

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070820\  
 Data File : VD065940.D  
 Acq On : 08 Jul 2020 15:10  
 Operator : VA/SY  
 Sample : L3216-03 4PPBMDL  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020DL

Manual Integrations  
 APPROVED

MMDadoda  
 7/9/2020 10:48:21 AM

Quant Time: Jul 09 01:47:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 09 01:34:51 2020  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene         | 7.98  | 168  | 404979   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.87  | 114  | 619778   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.65 | 117  | 572493   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.58 | 152  | 287594   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds   |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.33  | 65   | 168966   | 47.08  | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 94.16% |          |
| 35) Dibromofluoromethane      | 7.91  | 113  | 184692   | 48.31  | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 96.62% |          |
| 50) Toluene-d8                | 10.34 | 98   | 660505   | 47.35  | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 94.70% |          |
| 62) 4-Bromofluorobenzene      | 12.64 | 95   | 232014   | 48.43  | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 96.86% |          |
| Target Compounds              |       |      |          |        |        |          |
|                               |       |      |          |        | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.99  | 85   | 16635    | 4.620  | ug/l   | 94       |
| 3) Chloromethane              | 2.21  | 50   | 14732    | 4.128  | ug/l   | 98       |
| 4) Vinyl Chloride             | 2.35  | 62   | 13105    | 3.999  | ug/l # | 86       |
| 5) Bromomethane               | 2.77  | 94   | 8933     | 4.303  | ug/l   | 91       |
| 6) Chloroethane               | 2.93  | 64   | 7753     | 3.958  | ug/l   | 98       |
| 7) Trichlorofluoromethane     | 3.27  | 101  | 31326    | 4.460  | ug/l   | 98       |
| 8) Diethyl Ether              | 3.70  | 74   | 7740     | 4.017  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09  | 101  | 17742    | 4.223  | ug/l   | 93       |
| 10) Methyl Iodide             | 4.30  | 142  | 14742    | 3.695  | ug/l   | 98       |
| 11) Tert butyl alcohol        | 5.22  | 59   | 5274m    | 20.491 | ug/l   |          |
| 12) 1,1-Dichloroethene        | 4.07  | 96   | 16467    | 4.196  | ug/l   | 88       |
| 13) Acrolein                  | 3.91  | 56   | 4670     | 22.054 | ug/l   | 93       |
| 14) Allyl chloride            | 4.71  | 41   | 26474    | 3.980  | ug/l   | 99       |
| 15) Acrylonitrile             | 5.41  | 53   | 15304    | 18.140 | ug/l   | 94       |
| 16) Acetone                   | 4.16  | 43   | 16635    | 19.777 | ug/l # | 87       |
| 17) Carbon Disulfide          | 4.41  | 76   | 53211    | 4.255  | ug/l   | 96       |
| 18) Methyl Acetate            | 4.71  | 43   | 9633     | 4.886  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether   | 5.48  | 73   | 32022    | 3.854  | ug/l   | 95       |
| 20) Methylene Chloride        | 4.96  | 84   | 55523    | 9.292  | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene  | 5.47  | 96   | 19504    | 4.417  | ug/l   | 97       |
| 22) Diisopropyl ether         | 6.36  | 45   | 48069    | 3.846  | ug/l   | 92       |
| 23) Vinyl Acetate             | 6.30  | 43   | 120703   | 16.918 | ug/l   | 95       |
| 24) 1,1-Dichloroethane        | 6.27  | 63   | 31280    | 4.197  | ug/l   | 98       |
| 25) 2-Butanone                | 7.21  | 43   | 21287    | 19.152 | ug/l # | 88       |
| 26) 2,2-Dichloropropane       | 7.20  | 77   | 28451    | 4.363  | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene    | 7.21  | 96   | 19127    | 4.031  | ug/l   | 95       |
| 28) Bromochloromethane        | 7.54  | 49   | 12534    | 4.452  | ug/l   | 97       |
| 29) Tetrahydrofuran           | 7.56  | 42   | 12390    | 17.531 | ug/l   | 95       |
| 30) Chloroform                | 7.71  | 83   | 31676    | 4.192  | ug/l   | 95       |
| 31) Cyclohexane               | 7.98  | 56   | 34979    | 4.770  | ug/l # | 74       |
| 32) 1,1,1-Trichloroethane     | 7.91  | 97   | 27411    | 3.975  | ug/l   | 97       |
| 36) 1,1-Dichloropropene       | 8.11  | 75   | 24599    | 4.019  | ug/l   | 95       |
| 37) Ethyl Acetate             | 7.30  | 43   | 9393     | 3.662  | ug/l # | 94       |
| 38) Carbon Tetrachloride      | 8.09  | 117  | 27476    | 4.188  | ug/l # | 89       |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
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Manual Integrations  
 APPROVED

MMDadoda  
 7/9/2020 10:48:21 AM

Quant Time: Jul 09 01:47:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 09 01:34:51 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.35  | 83   | 30461    | 4.053  | ug/l   | 97       |
| 40) Benzene                    | 8.36  | 78   | 67529    | 3.993  | ug/l   | 94       |
| 41) Methacrylonitrile          | 7.53  | 41   | 6710     | 4.506  | ug/l # | 88       |
| 42) 1,2-Dichloroethane         | 8.42  | 62   | 19818    | 4.137  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 8.45  | 43   | 18566    | 3.889  | ug/l   | 94       |
| 44) Trichloroethene            | 9.11  | 130  | 21042    | 4.235  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.38  | 63   | 16752    | 3.991  | ug/l   | 97       |
| 46) Dibromomethane             | 9.47  | 93   | 8971     | 4.105  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.66  | 83   | 22141    | 3.777  | ug/l # | 92       |
| 48) Methyl methacrylate        | 9.45  | 41   | 7842     | 3.263  | ug/l # | 75       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 2052     | 79.033 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 42487    | 17.603 | ug/l   | 97       |
| 52) Toluene                    | 10.41 | 92   | 44957    | 4.179  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 21857    | 3.966  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 24961    | 3.748  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 12217    | 4.058  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 13161    | 3.579  | ug/l   | 93       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 19491    | 3.702  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 32951    | 18.503 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.98 | 43   | 28271    | 17.032 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.14 | 129  | 16445    | 3.998  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 11619    | 3.871  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 17752    | 4.264  | ug/l   | 94       |
| 65) Chlorobenzene              | 11.67 | 112  | 48434    | 4.198  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 17468    | 4.048  | ug/l   | 95       |
| 67) Ethyl Benzene              | 11.74 | 91   | 79340    | 3.871  | ug/l   | 96       |
| 68) m/p-Xylenes                | 11.86 | 106  | 61704    | 7.924  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 27523    | 3.880  | ug/l   | 98       |
| 70) Styrene                    | 12.20 | 104  | 47477    | 3.877  | ug/l   | 99       |
| 71) Bromoform                  | 12.36 | 173  | 9947     | 4.074  | ug/l # | 95       |
| 73) Isopropylbenzene           | 12.48 | 105  | 73968    | 3.685  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.29 | 43   | 15684    | 3.482  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 12237    | 3.672  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 8651m    | 3.586  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 20347    | 4.180  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.82 | 91   | 93450    | 3.971  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 51946    | 3.891  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 61305    | 3.734  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 4231     | 3.768  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 54831    | 3.915  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 52394    | 3.746  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 61700    | 3.776  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.40 | 105  | 74232    | 3.745  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 66828    | 3.686  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 37328    | 4.098  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 36840    | 4.054  | ug/l   | 89       |
| 89) n-Butylbenzene             | 13.84 | 91   | 64037    | 3.761  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.11 | 117  | 14409    | 3.941  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.89 | 146  | 30866    | 3.877  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 2152     | 3.862  | ug/l   | 97       |

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Sample : L3216-03 4PPBMDL  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

Manual Integrations  
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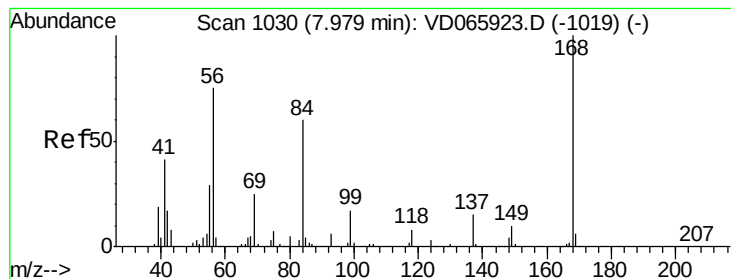
MMDadoda  
7/9/2020 10:48:21 AM

Quant Time: Jul 09 01:47:43 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D070720S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 09 01:34:51 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.16 | 180  | 21705    | 3.825 | ug/l  | 94       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 13784    | 4.016 | ug/l  | 96       |
| 95) Naphthalene            | 15.40 | 128  | 32661    | 3.432 | ug/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 19691    | 4.023 | ug/l  | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion:168 Resp: 404979

Ion Ratio Lower Upper

168 100

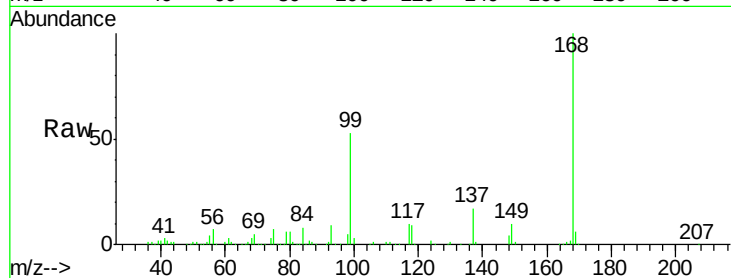
99 52.2 43.1 64.7

Manual Integrations

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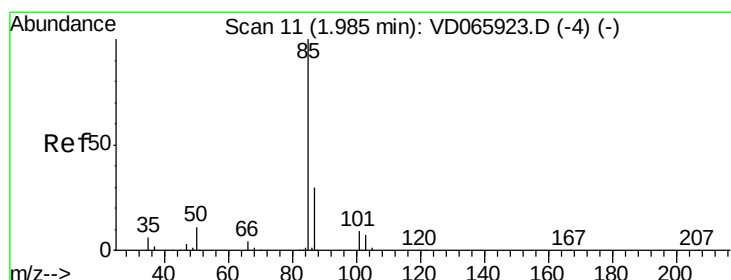
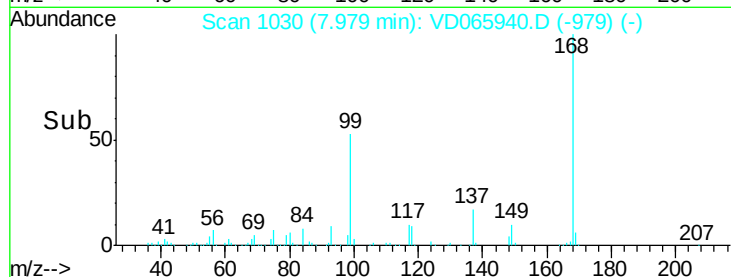
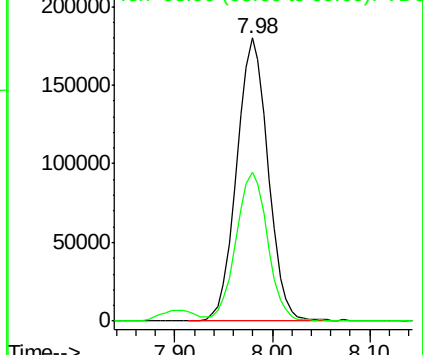
MMDadoda

7/9/2020 10:48:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.620 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065940.D

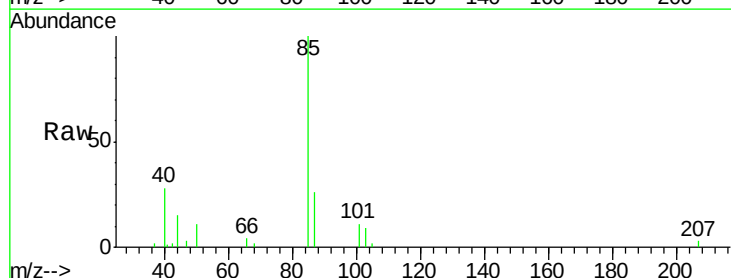
Acq: 08 Jul 2020 15:10

Tgt Ion: 85 Resp: 16635

Ion Ratio Lower Upper

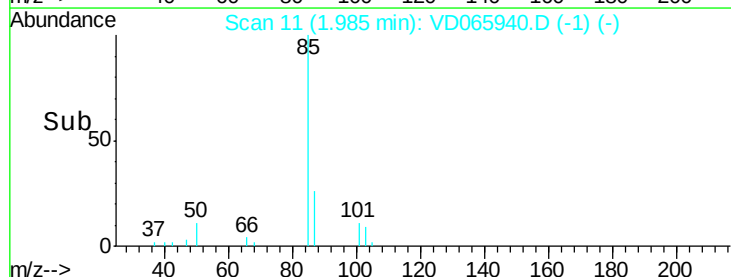
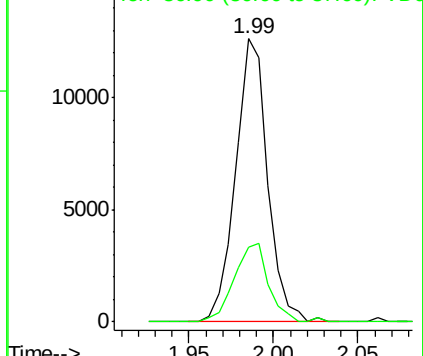
85 100

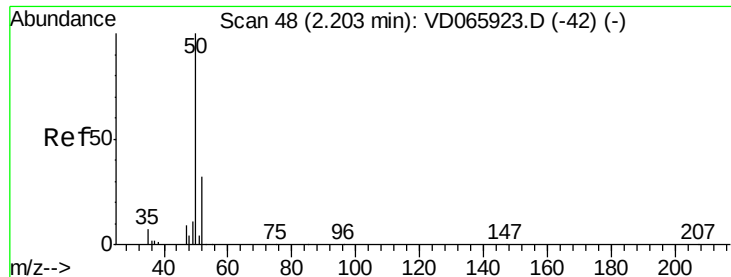
87 26.4 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 4.128 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion: 50 Resp: 14732

Ion Ratio Lower Upper

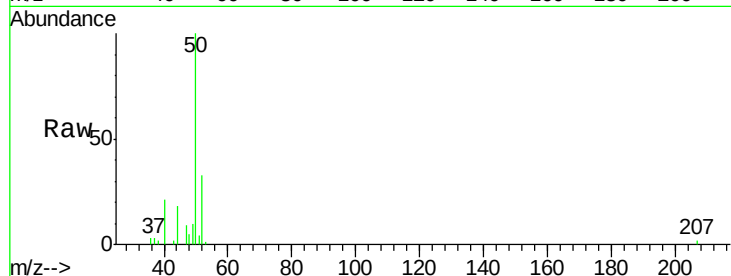
50 100

52 33.2 25.6 38.4

Manual Integrations  
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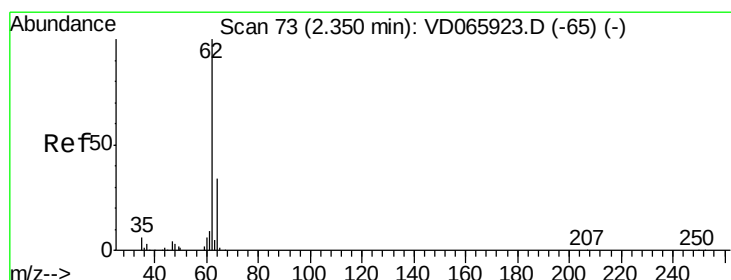
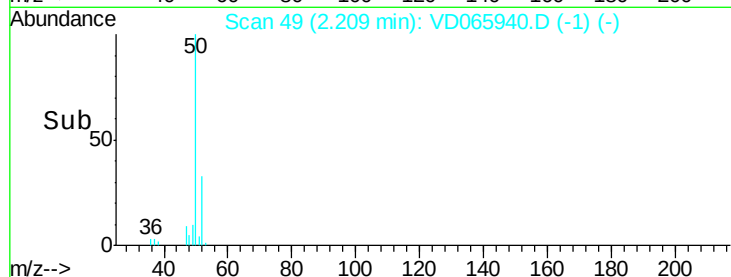
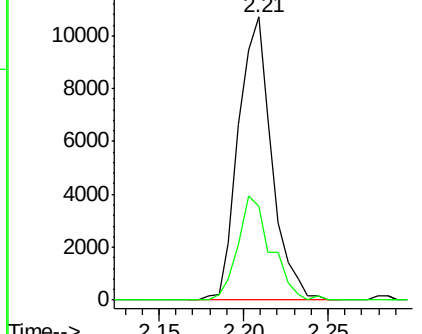
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 3.999 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065940.D

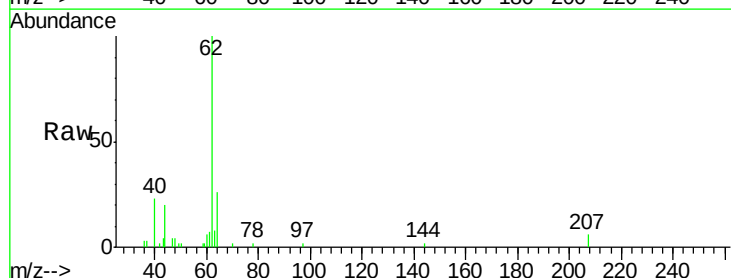
Acq: 08 Jul 2020 15:10

Tgt Ion: 62 Resp: 13105

Ion Ratio Lower Upper

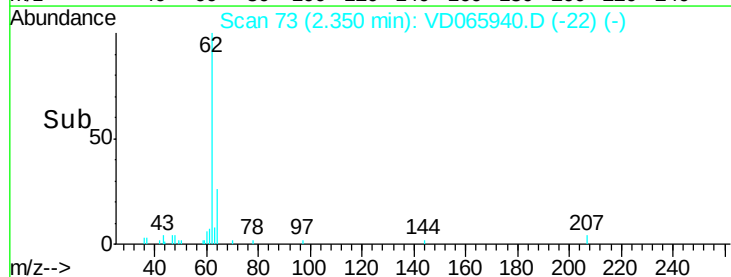
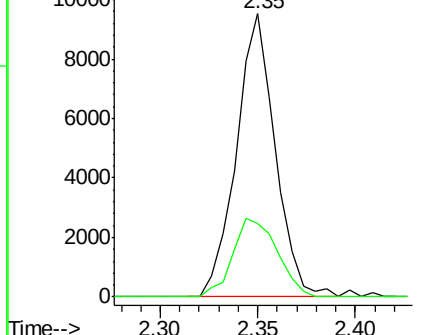
62 100

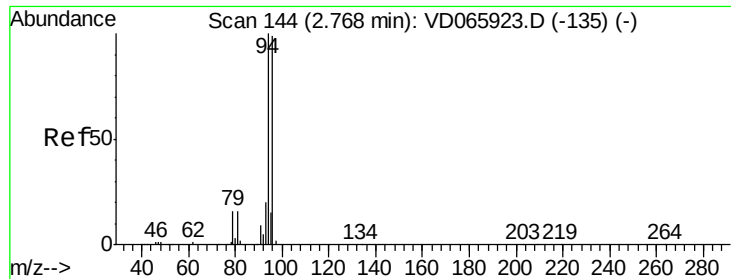
64 25.9 27.2 40.8#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 4.303 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion: 94 Resp: 8933

Ion Ratio Lower Upper

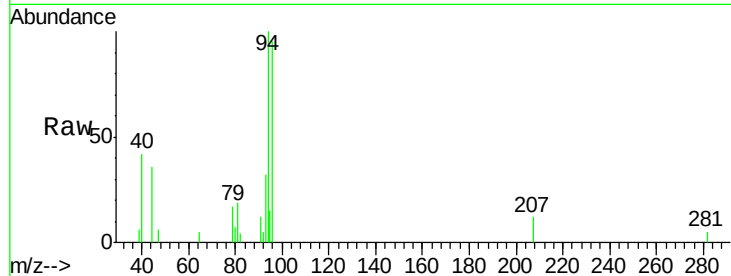
94 100

96 90.0 78.8 118.2

Manual Integrations  
APPROVED

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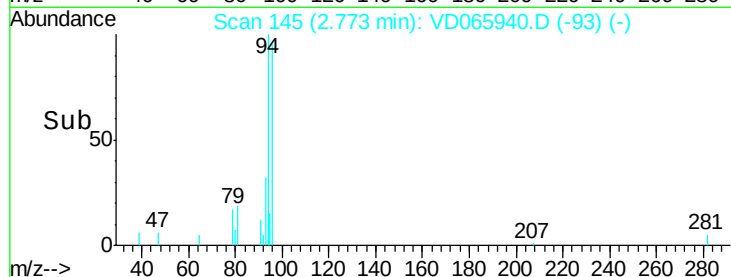
7/9/2020 10:48:21 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77



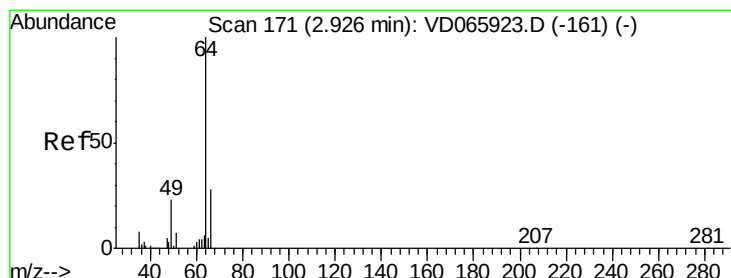
Abundance

Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

Time-->



#6

Chloroethane

Concen: 3.958 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065940.D

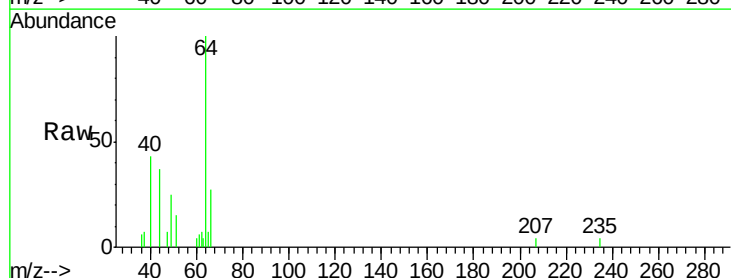
Acq: 08 Jul 2020 15:10

Tgt Ion: 64 Resp: 7753

Ion Ratio Lower Upper

64 100

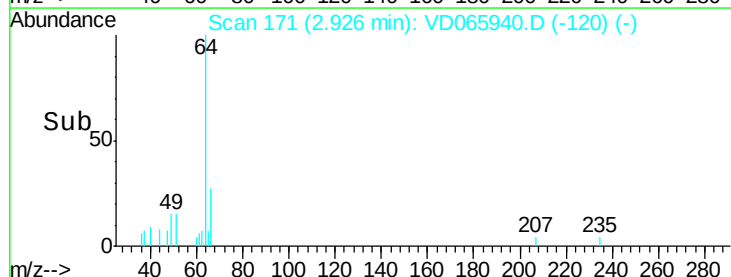
66 27.0 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93



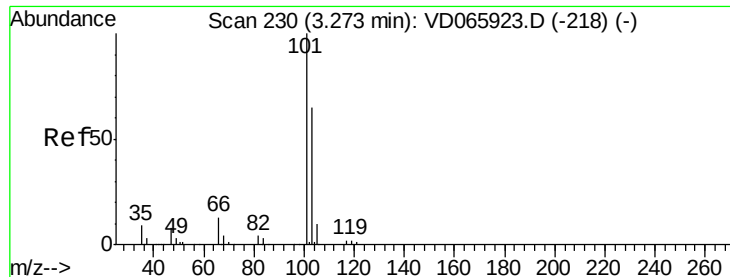
Abundance

Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

Time-->



#7

Trichlorofluoromethane

Concen: 4.460 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion:101 Resp: 31326

Ion Ratio Lower Upper

101 100

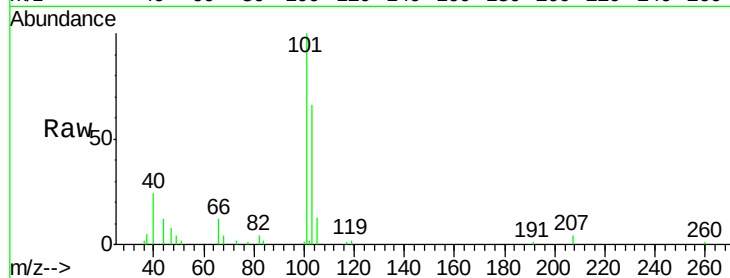
103 66.2 51.7 77.5

Manual Integrations

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7/9/2020 10:48:21 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

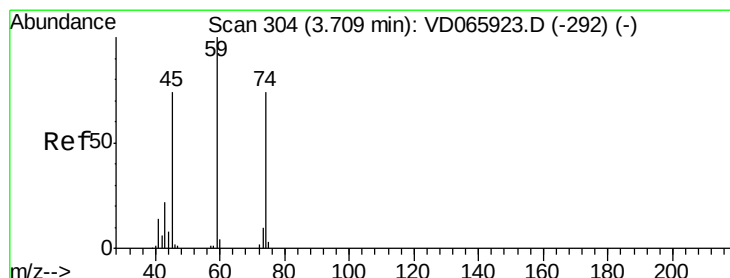
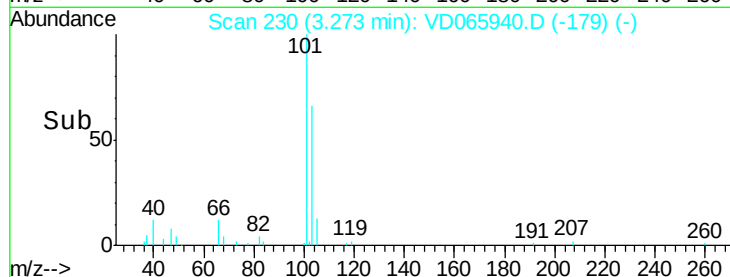
15000

10000

5000

0

Time-->



#8

Diethyl Ether

Concen: 4.017 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065940.D

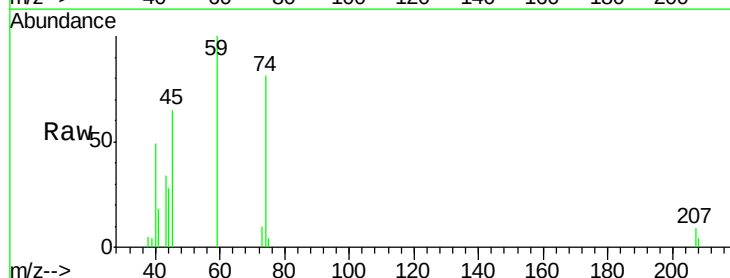
Acq: 08 Jul 2020 15:10

Tgt Ion: 74 Resp: 7740

Ion Ratio Lower Upper

74 100

45 106.1 51.1 153.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

4000

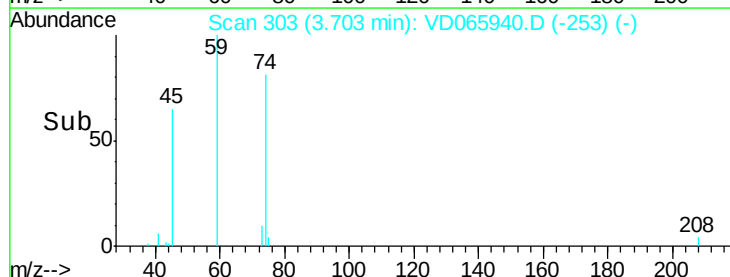
3000

2000

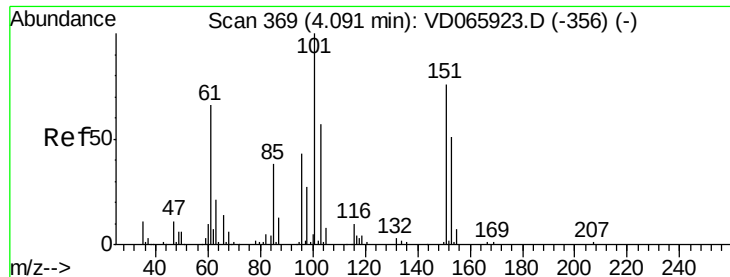
1000

0

Time-->







#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.223 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

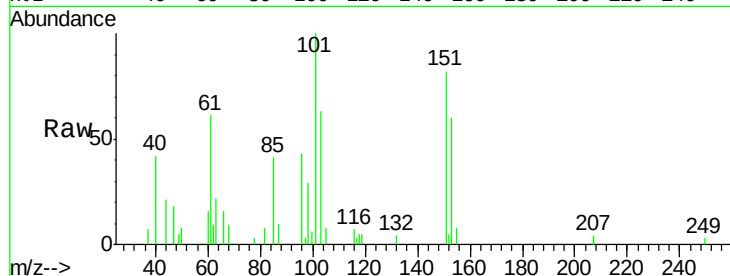
ClientSampleId :

MDL-SOIL-03-QT3-2020DL

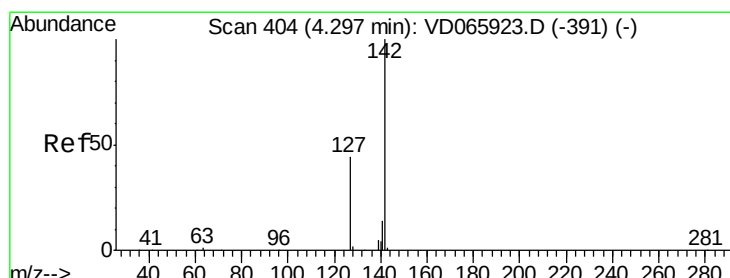
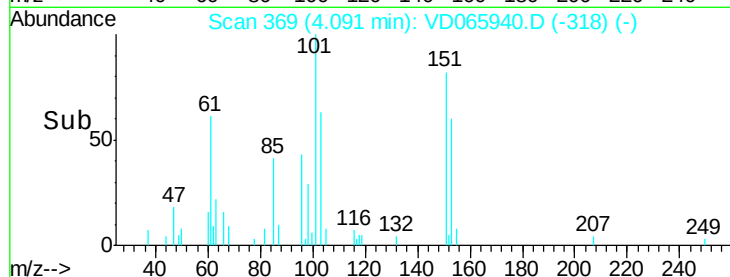
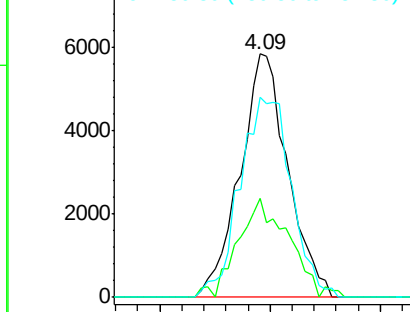
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 17742 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.4  | 33.8  | 50.8  |
| 151       | 88.6  | 64.1  | 96.1  |

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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.695 ug/l

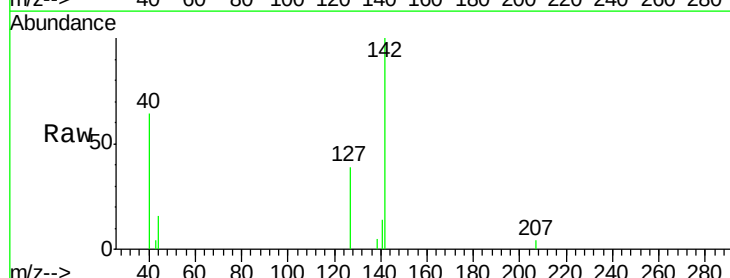
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

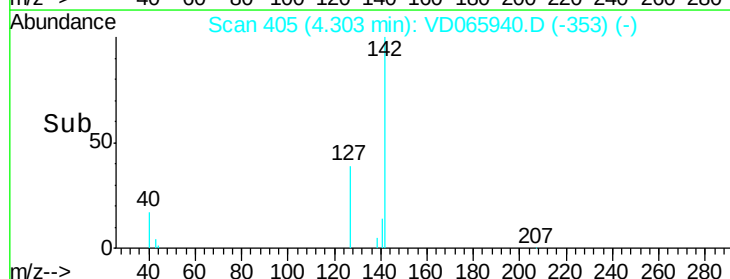
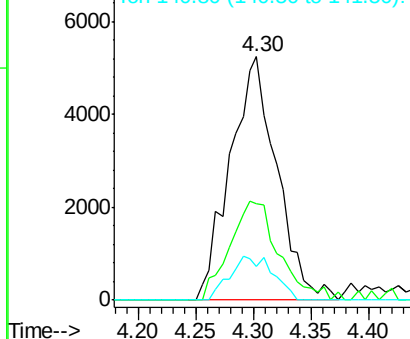
Lab File: VD065940.D

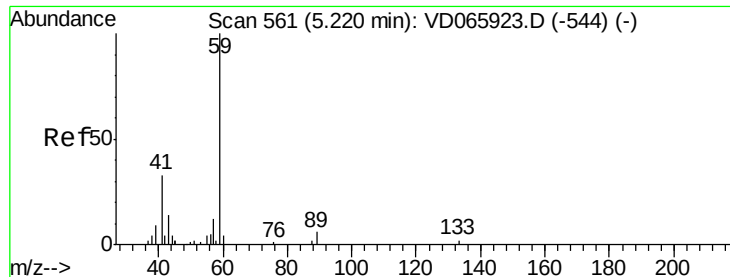
Acq: 08 Jul 2020 15:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 14742 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.8  | 34.6  | 51.8  |
| 141       | 16.7  | 11.6  | 17.4  |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 20.491 ug/l m

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion: 59 Resp: 5274

Ion Ratio Lower Upper

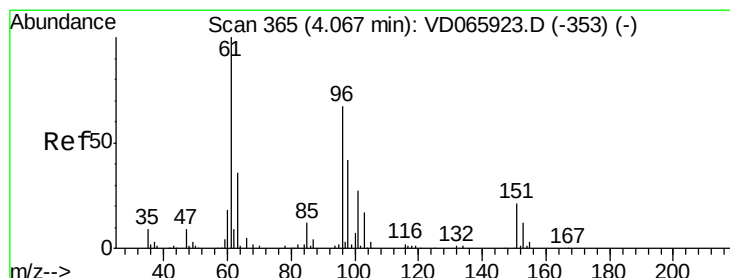
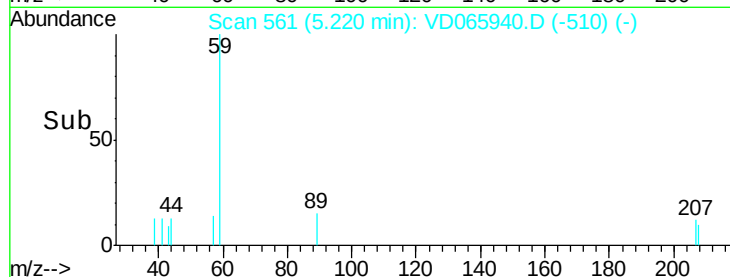
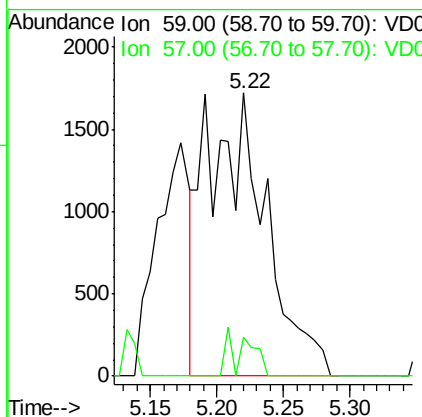
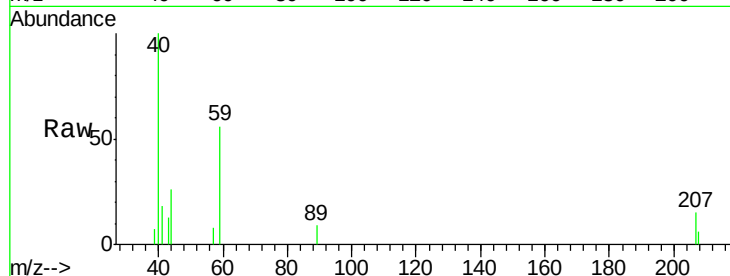
59 100

57 0.0 8.7 13.1#

Manual Integrations  
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#12

1,1-Dichloroethene

Concen: 4.196 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

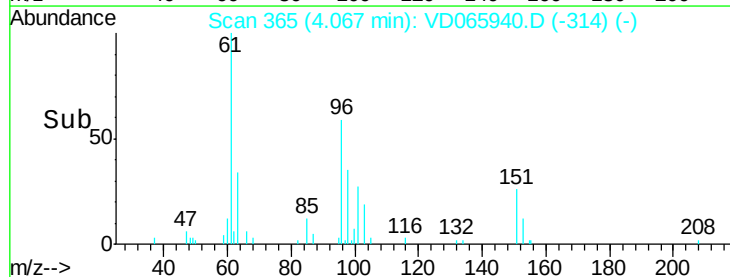
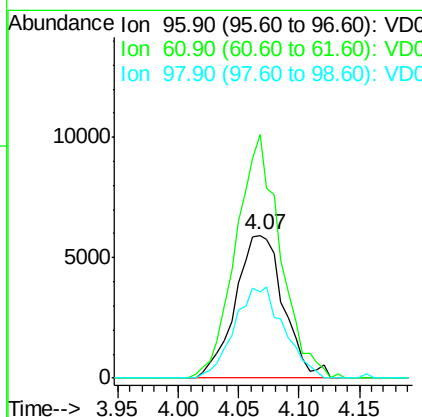
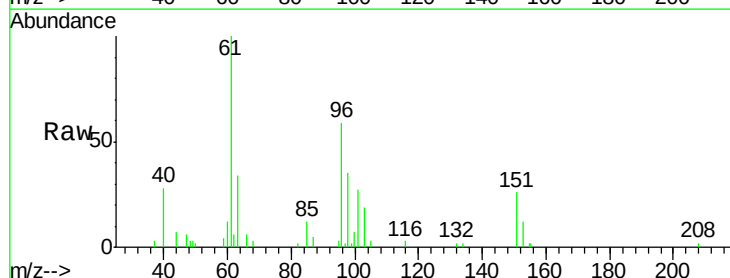
Tgt Ion: 96 Resp: 16467

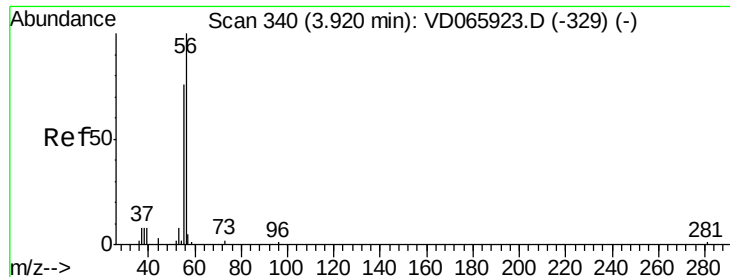
Ion Ratio Lower Upper

96 100

61 170.7 120.2 180.2

98 60.5 50.6 76.0





#13

Acrolein

Concen: 22.054 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion: 56 Resp: 4670

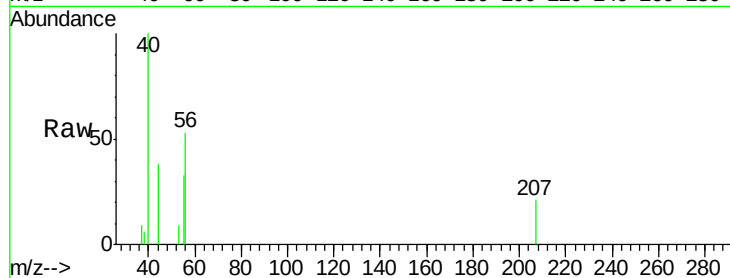
Ion Ratio Lower Upper

56 100

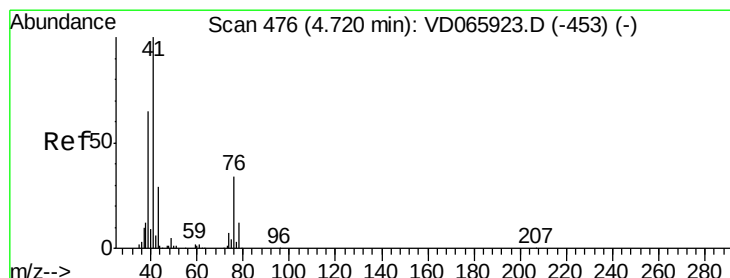
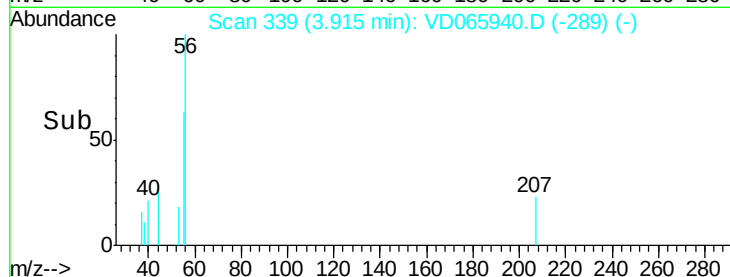
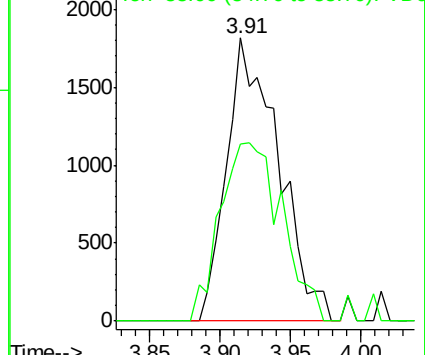
55 74.7 55.0 82.6

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Abundance Ion 56.00 (55.70 to 56.70): VDC  
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 3.980 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

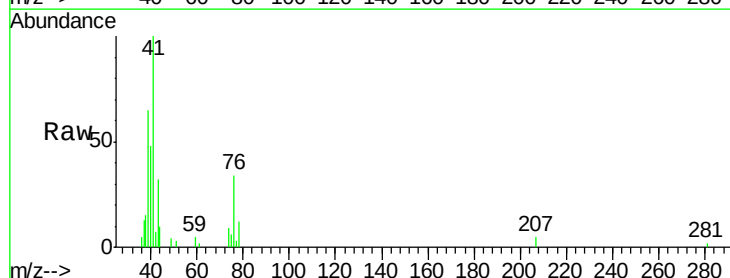
Tgt Ion: 41 Resp: 26474

Ion Ratio Lower Upper

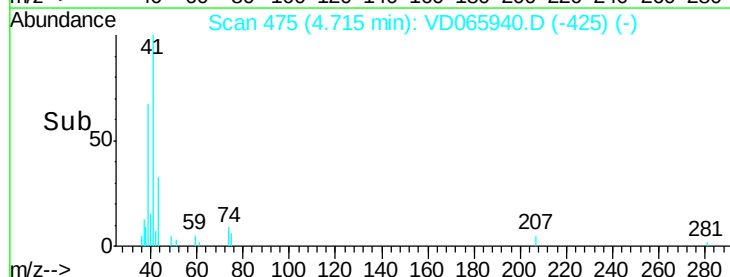
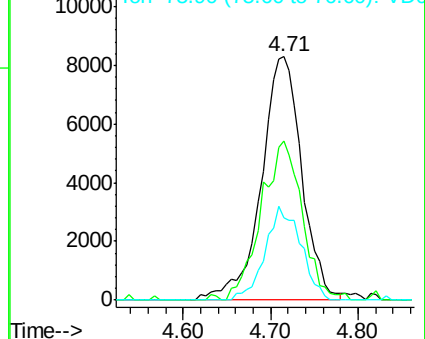
41 100

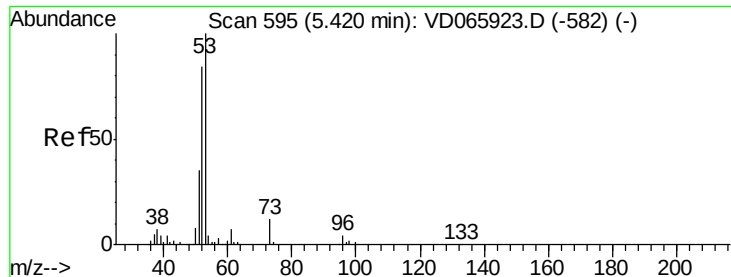
39 66.1 52.2 78.4

76 34.0 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VDC  
Ion 39.00 (38.70 to 39.70): VDC  
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 18.140 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

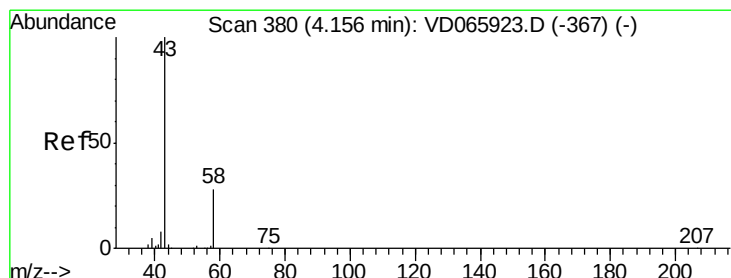
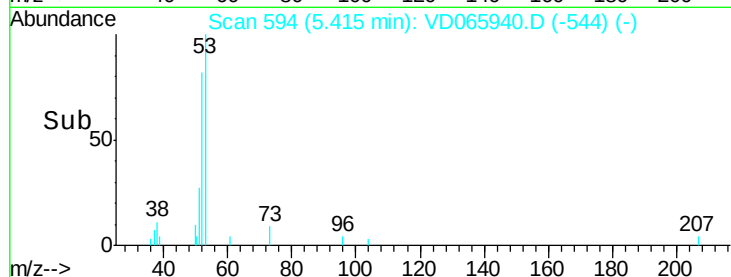
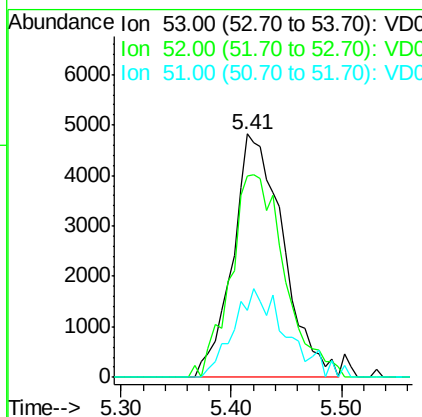
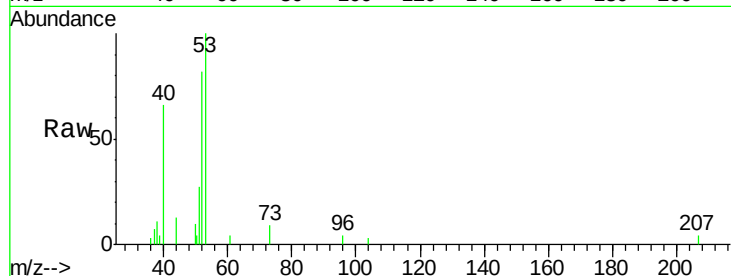
ClientSampleId :

MDL-SOIL-03-QT3-2020DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 15304 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 89.5  | 66.3  | 99.5  |
| 51       | 38.7  | 29.8  | 44.8  |

Manual Integrations  
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#16

Acetone

Concen: 19.777 ug/l

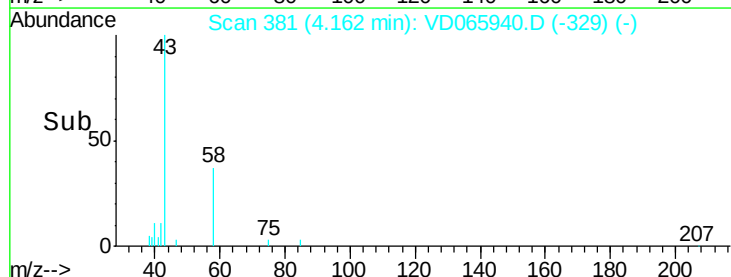
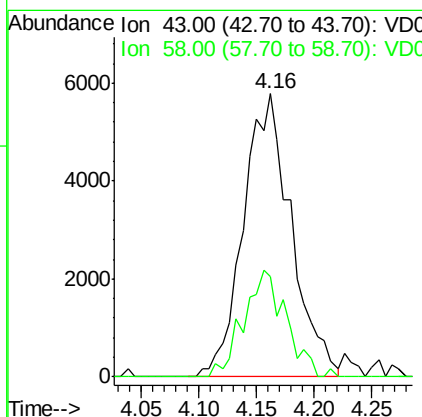
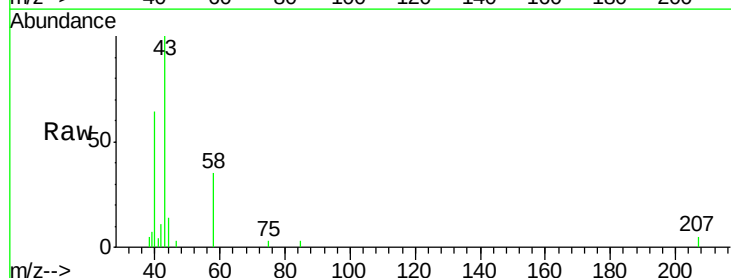
RT: 4.16 min Scan# 381

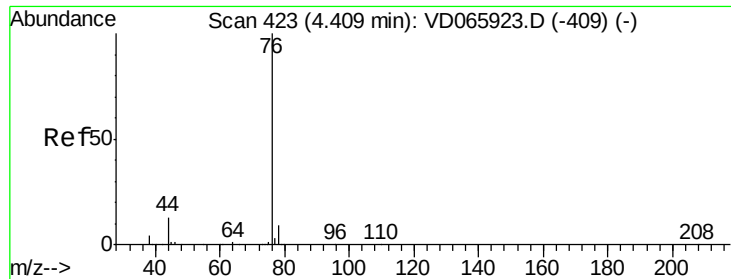
Delta R.T. 0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16635 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 35.3  | 22.7  | 34.1# |





#17

Carbon Disulfide

Concen: 4.255 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion: 76 Resp: 53211

Ion Ratio Lower Upper

76 100

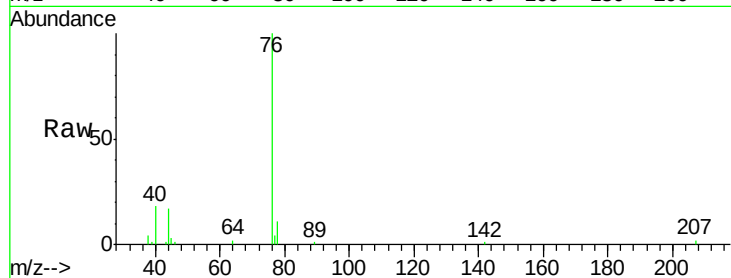
78 10.8 7.5 11.3

Manual Integrations

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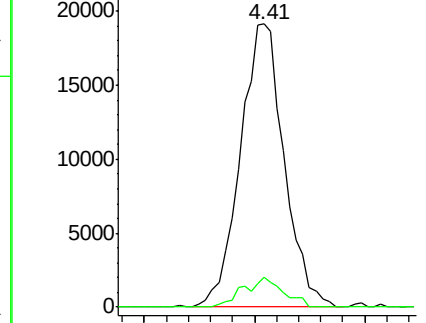
MMDadoda

7/9/2020 10:48:21 AM

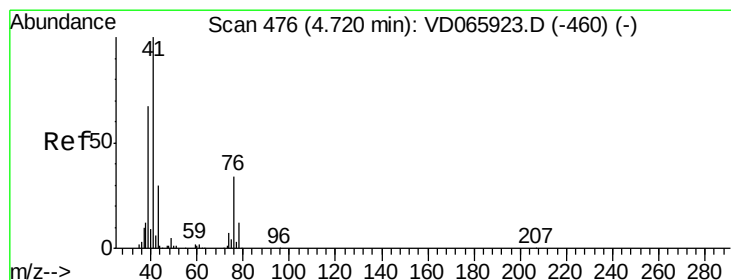
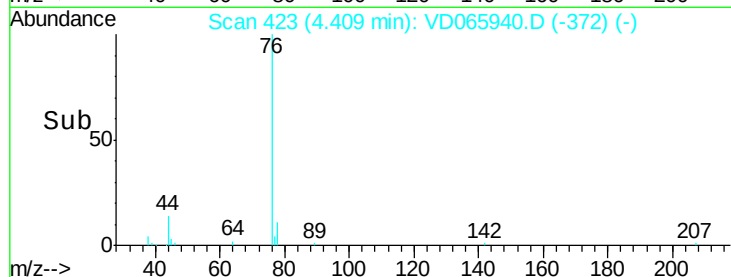


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time-->



#18

Methyl Acetate

Concen: 4.886 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065940.D

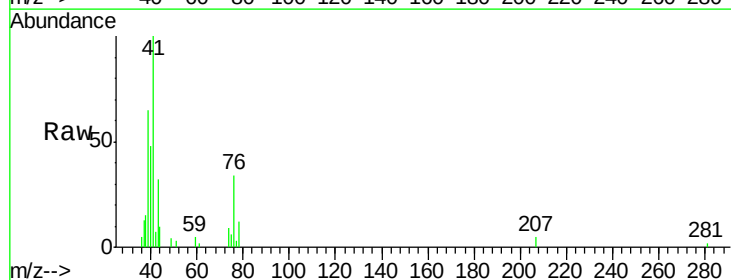
Acq: 08 Jul 2020 15:10

Tgt Ion: 43 Resp: 9633

Ion Ratio Lower Upper

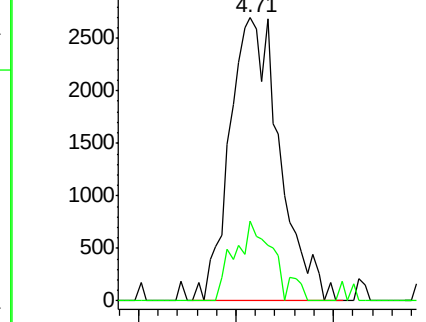
43 100

74 20.1 17.8 26.8

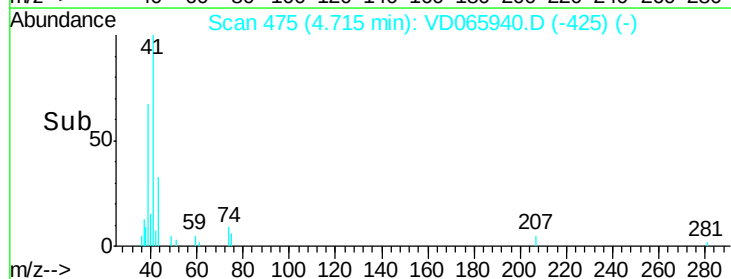


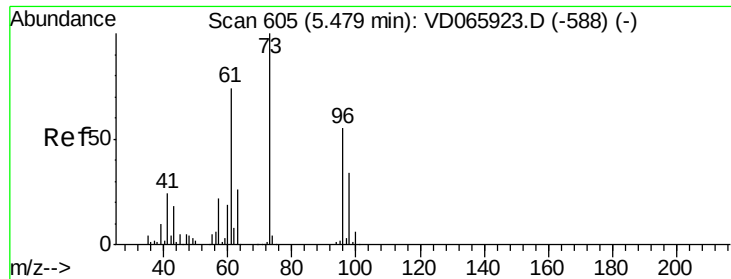
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->





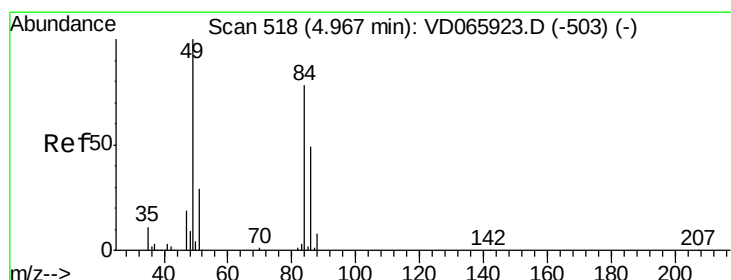
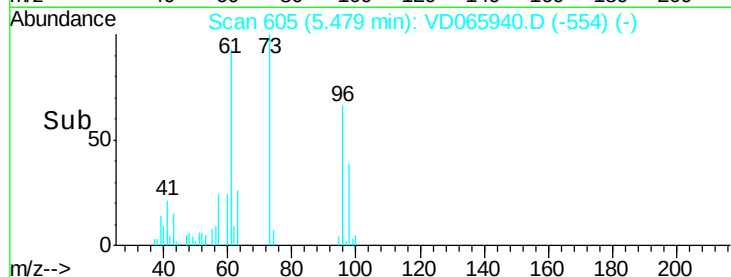
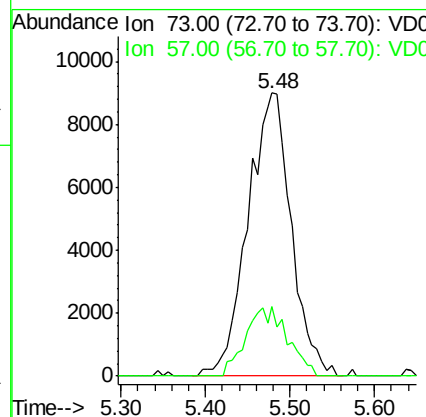
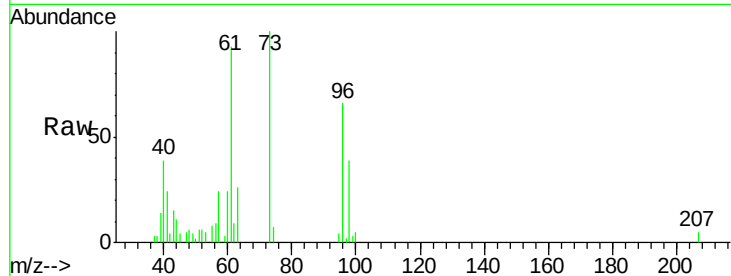
#19  
Methyl tert-butyl Ether  
Concen: 3.854 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

Tot Ion: 73 Resp: 32022  
Ion Ratio Lower Upper  
73 100  
57 24.5 17.7 26.5

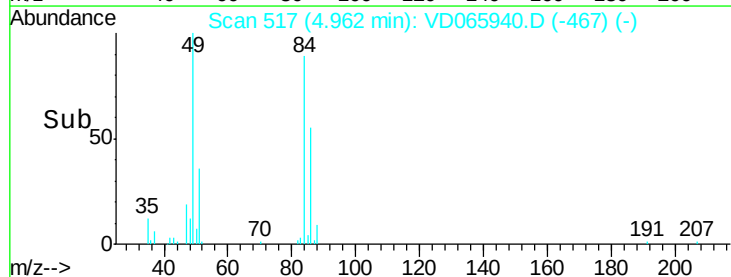
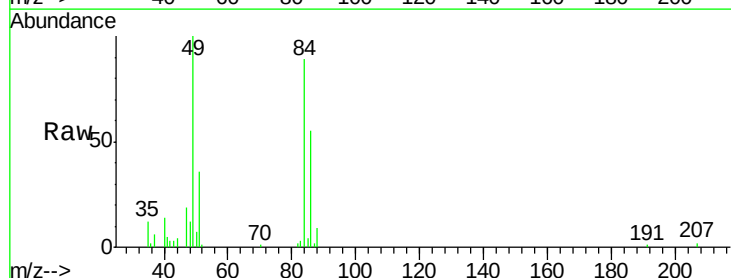
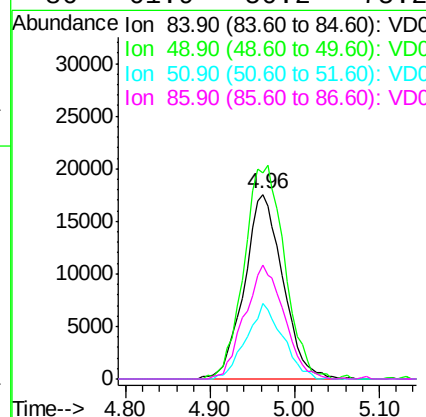
Manual Integrations  
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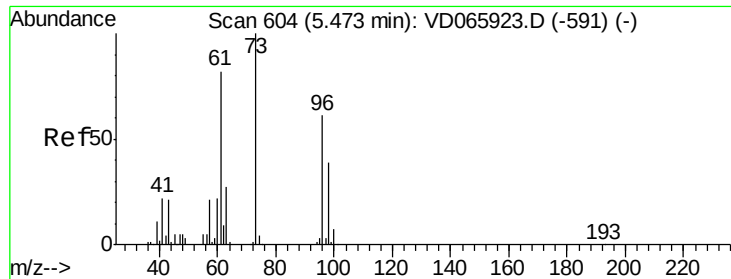
MMDadoda  
7/9/2020 10:48:21 AM



#20  
Methylene Chloride  
Concen: 9.292 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Tgt Ion: 84 Resp: 55523  
Ion Ratio Lower Upper  
84 100  
49 111.9 102.2 153.2  
51 40.7 29.8 44.6  
86 61.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 4.417 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

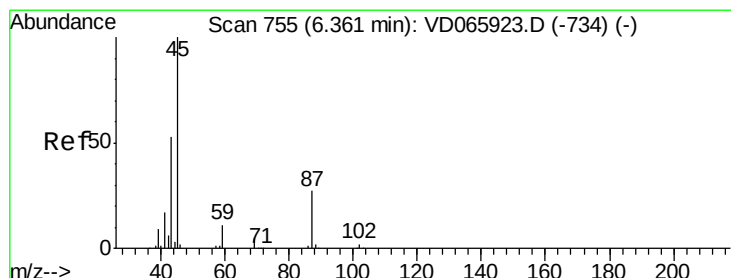
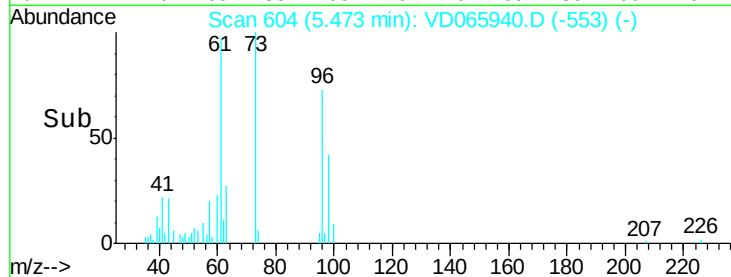
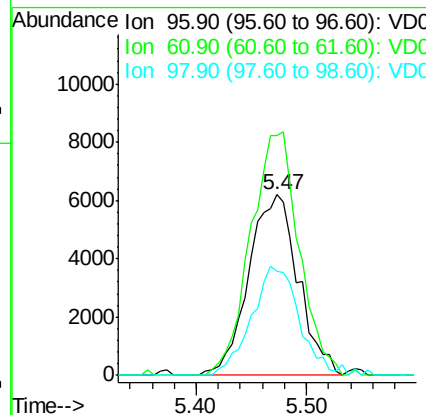
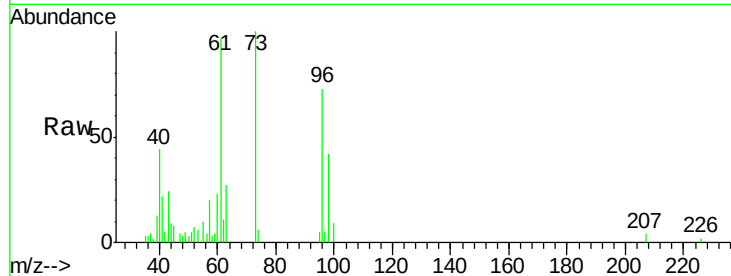
ClientSampleId :

MDL-SOIL-03-QT3-2020DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 19504 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 133.0 | 106.6 | 160.0 |
| 98       | 57.7  | 51.0  | 76.6  |

Manual Integrations  
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MMDadoda  
7/9/2020 10:48:21 AM



#22

Diisopropyl ether

Concen: 3.846 ug/l

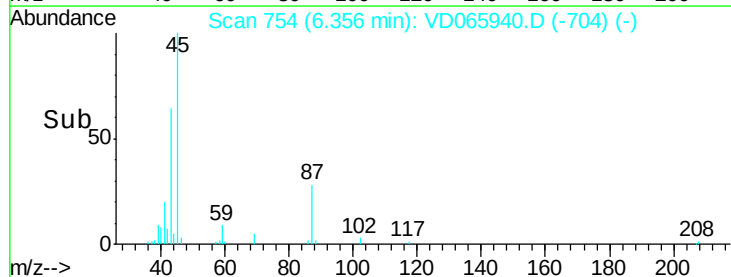
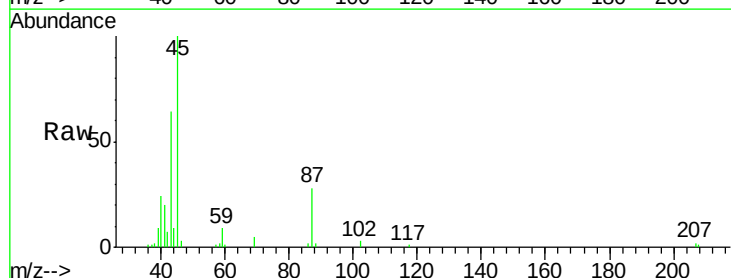
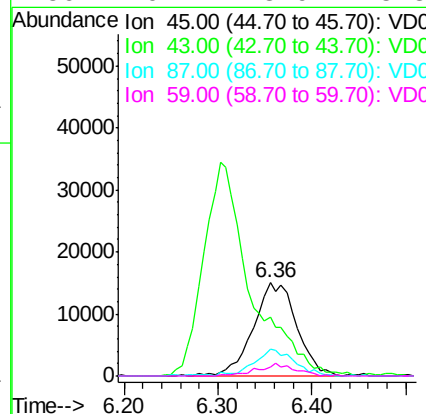
RT: 6.36 min Scan# 754

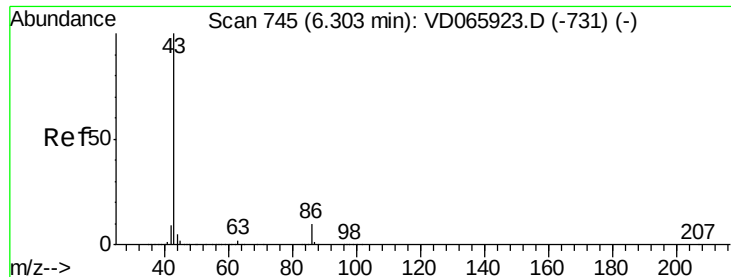
Delta R.T. -0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 48069 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 61.2  | 42.5  | 63.7  |
| 87       | 28.5  | 22.2  | 33.2  |
| 59       | 9.1   | 8.9   | 13.3  |





#23

Vinyl Acetate

Concen: 16.918 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion: 43 Resp: 120703

Ion Ratio Lower Upper

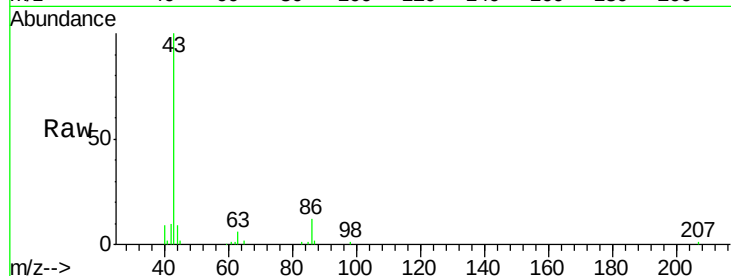
43 100

86 12.0 8.1 12.1

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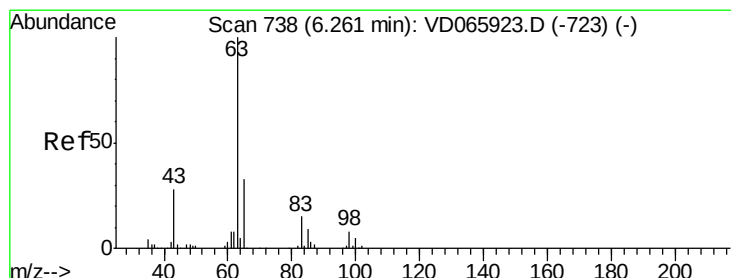
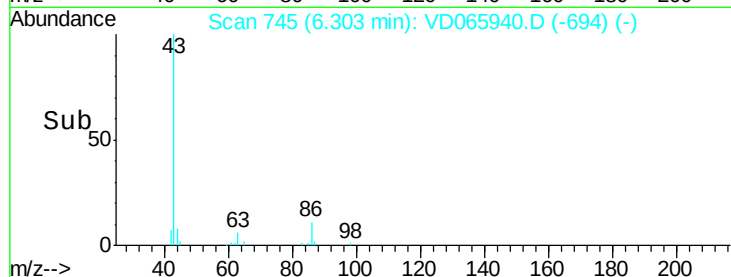
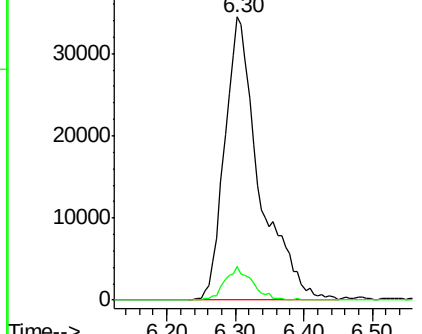
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.197 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

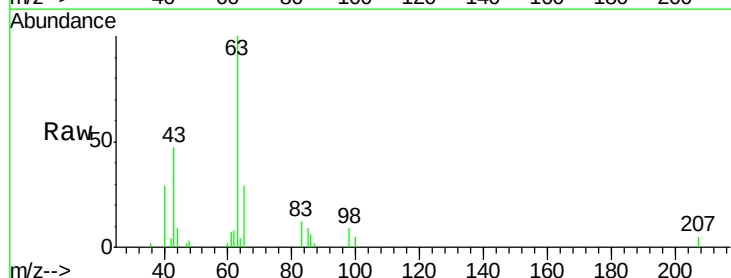
Tgt Ion: 63 Resp: 31280

Ion Ratio Lower Upper

63 100

98 8.7 3.8 11.4

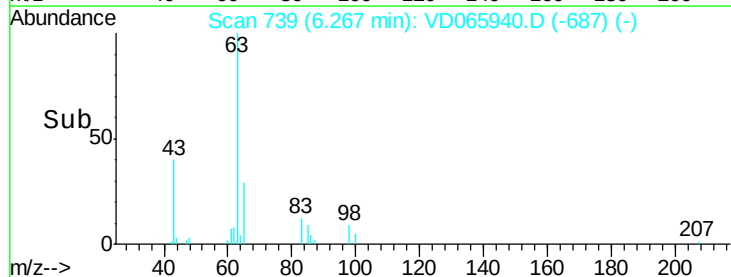
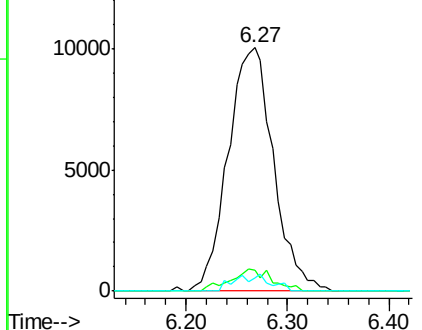
100 5.4 2.5 7.5



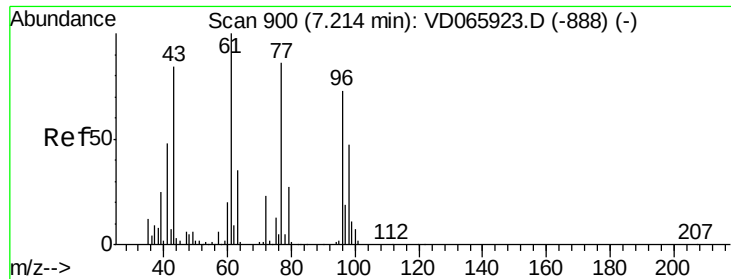
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC







#25

2-Butanone

Concen: 19.152 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion: 43 Resp: 21287

Ion Ratio Lower Upper

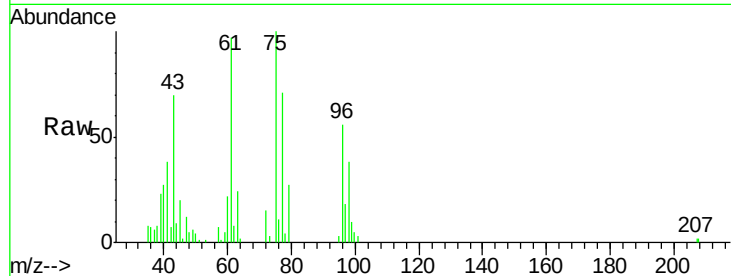
43 100

72 21.4 22.1 33.1#

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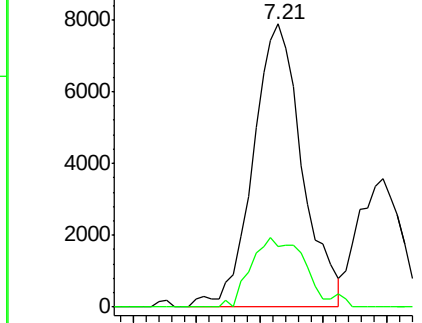
MMDadoda

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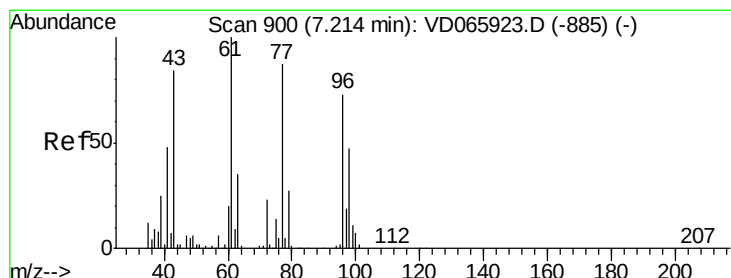
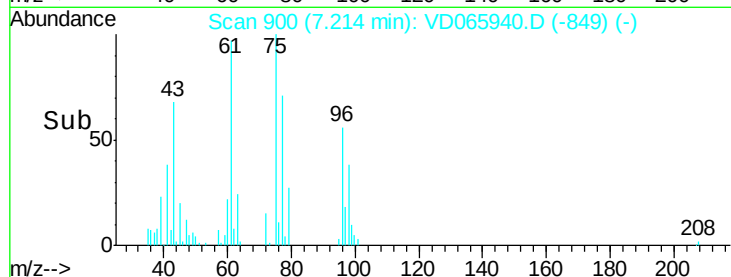


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 4.363 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065940.D

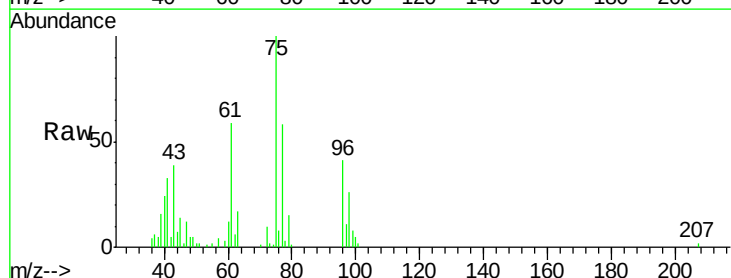
Acq: 08 Jul 2020 15:10

Tgt Ion: 77 Resp: 28451

Ion Ratio Lower Upper

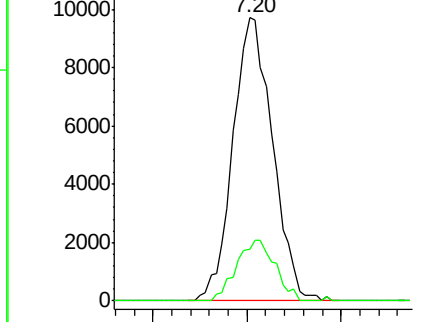
77 100

97 20.8 11.6 34.8

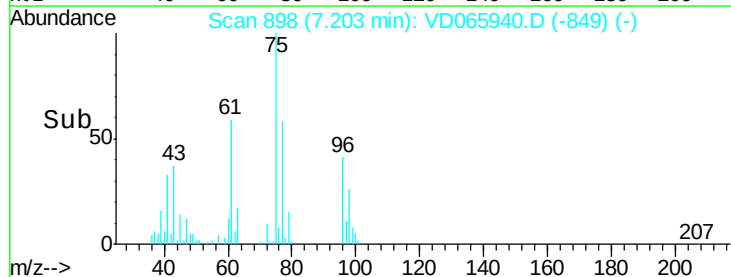


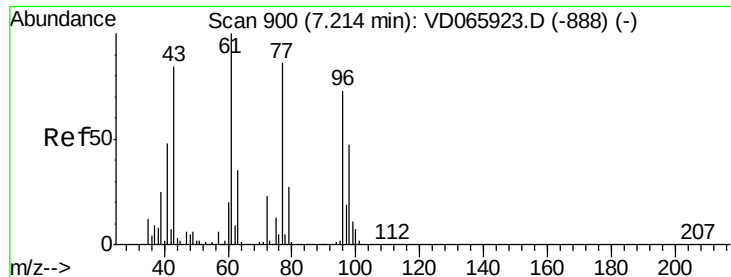
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->





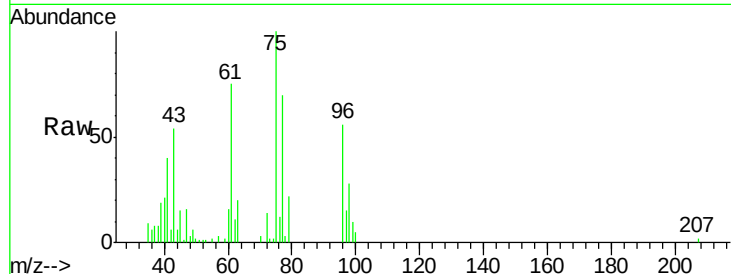
#27  
 cis-1,2-Dichloroethene  
 Concen: 4.031 ug/l  
 RT: 7.21 min Scan# 899  
 Delta R.T. -0.01 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020DL

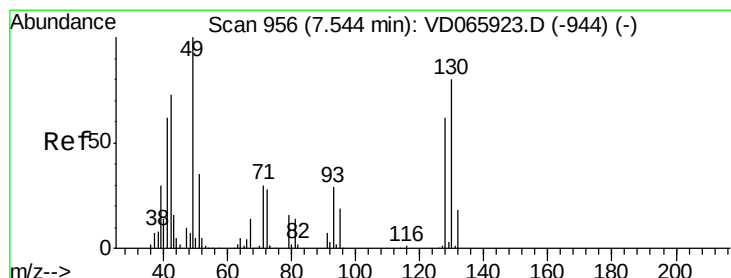
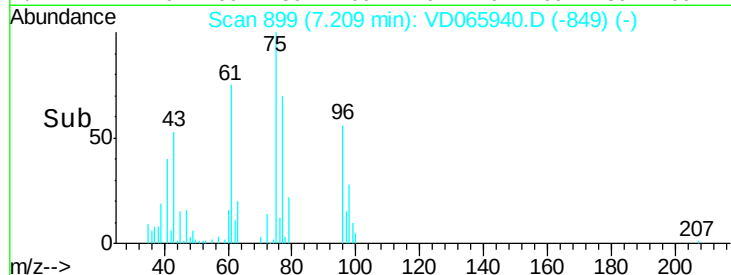
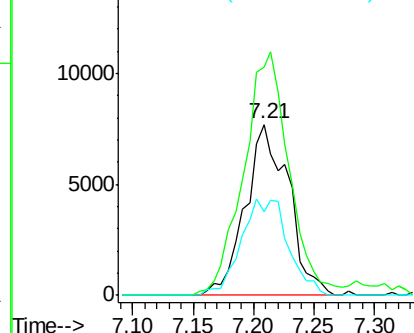
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 149.8 | 0.0   | 286.6 |
| 98      | 61.4  | 0.0   | 128.2 |

Manual Integrations  
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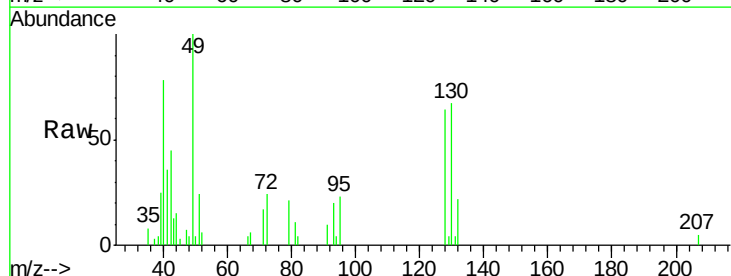


Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.90 (60.60 to 61.60): VDC  
 Ion 97.90 (97.60 to 98.60): VDC

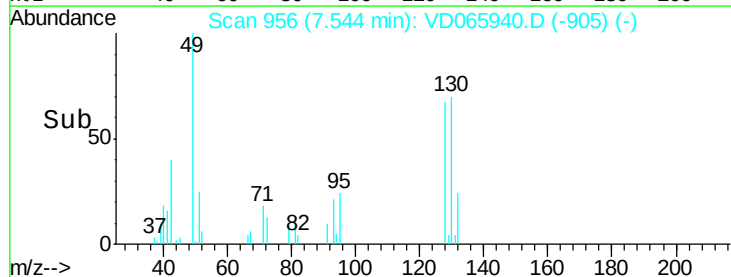
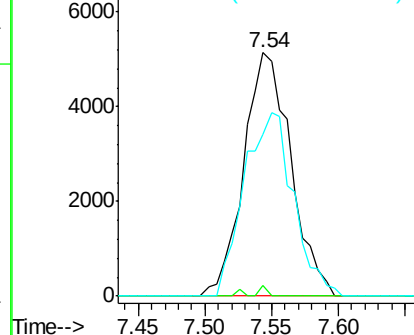


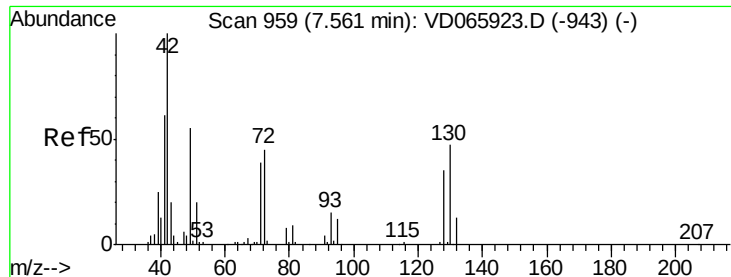
#28  
 Bromochloromethane  
 Concen: 4.452 ug/l  
 RT: 7.54 min Scan# 956  
 Delta R.T. 0.00 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.6   | 0.0   | 4.8   |
| 130     | 79.2  | 65.8  | 98.8  |



Abundance Ion 48.90 (48.60 to 49.60): VDC  
 Ion 128.80 (128.50 to 129.50): VDC  
 Ion 129.80 (129.50 to 130.50): VDC





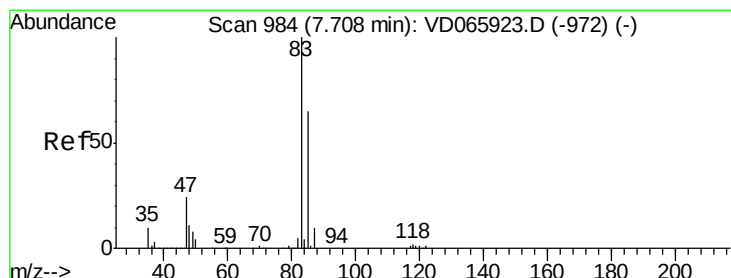
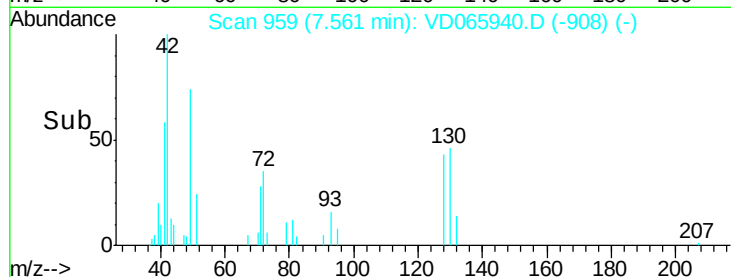
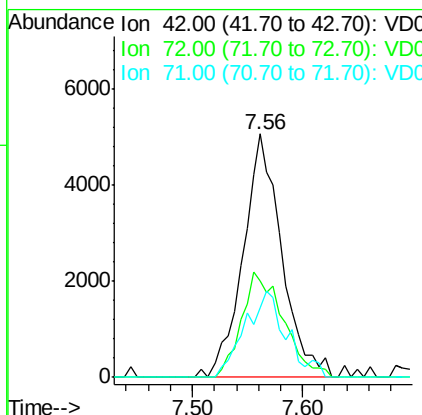
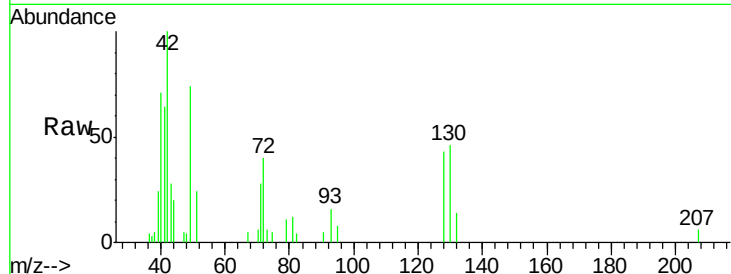
#29  
Tetrahydrofuran  
Concen: 17.531 ug/l  
RT: 7.56 min Scan# 959  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.9  | 32.8  | 49.2  |
| 71      | 38.1  | 31.0  | 46.4  |

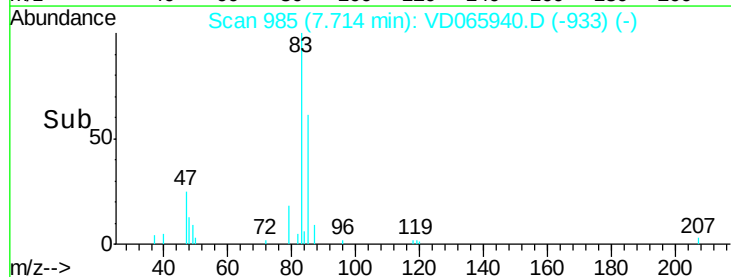
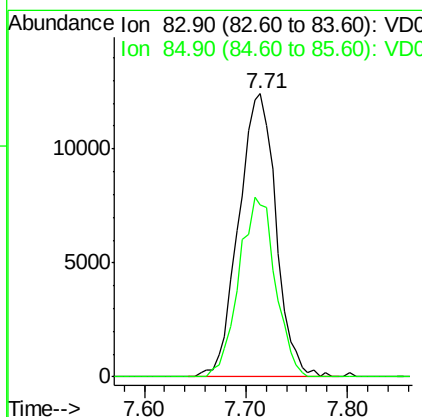
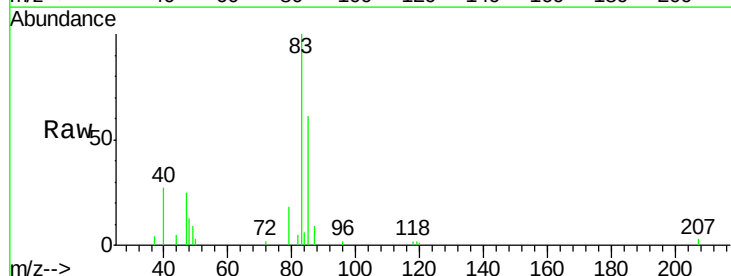
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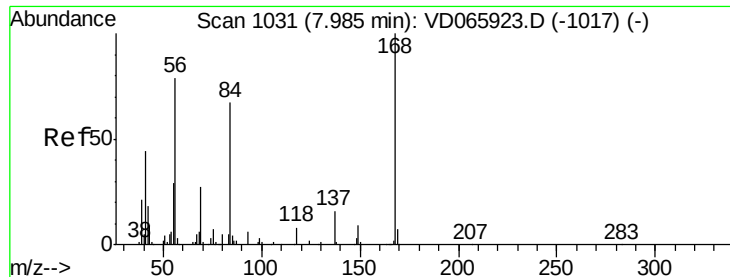
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#30  
Chloroform  
Concen: 4.192 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. 0.01 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 60.7  | 51.6  | 77.4  |





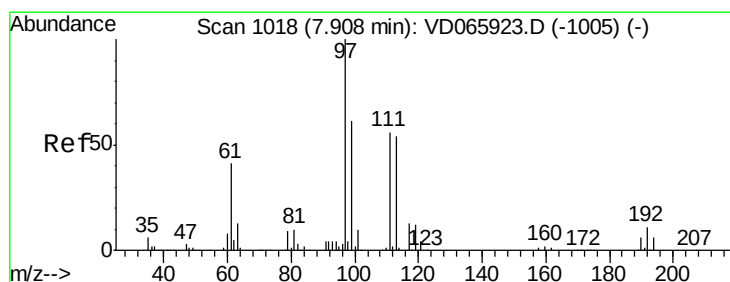
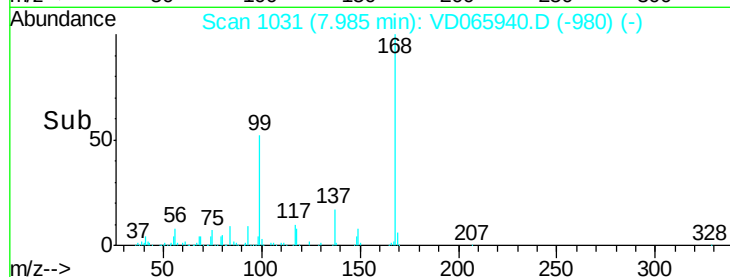
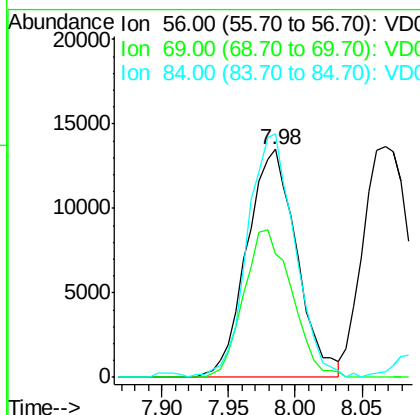
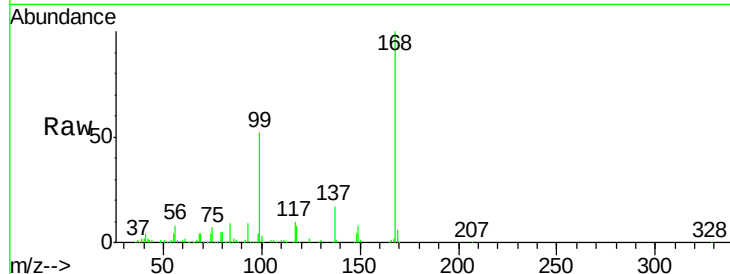
#31  
Cyclohexane  
Concen: 4.770 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 56      | 100   |       |        |
| 69      | 54.1  | 27.4  | 41.0#  |
| 84      | 106.9 | 68.6  | 102.8# |

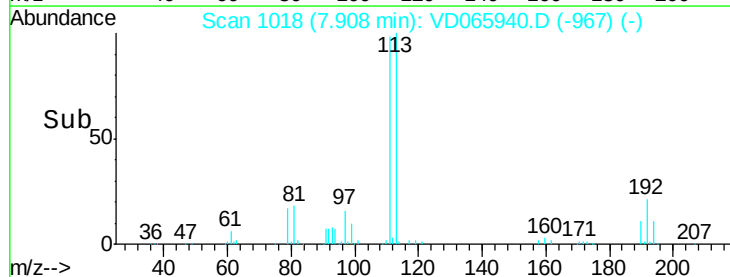
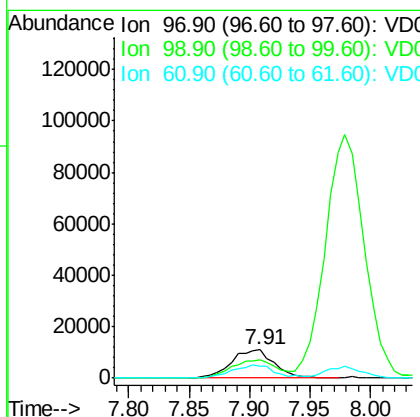
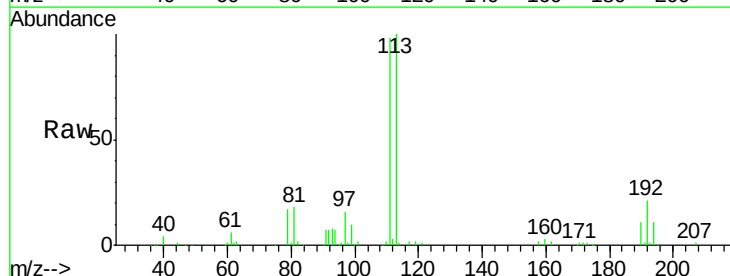
Manual Integrations  
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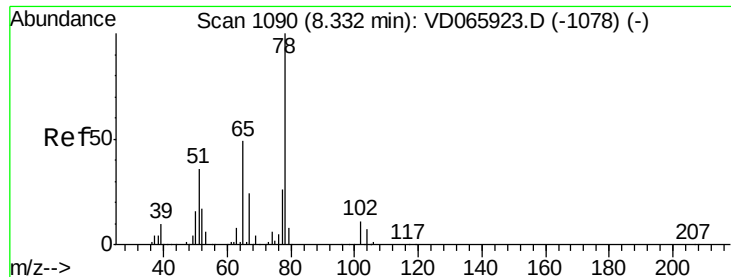
MMDadoda  
7/9/2020 10:48:21 AM



#32  
1,1,1-Trichloroethane  
Concen: 3.975 ug/l  
RT: 7.91 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 66.4  | 51.6  | 77.4  |
| 61      | 44.9  | 33.6  | 50.4  |





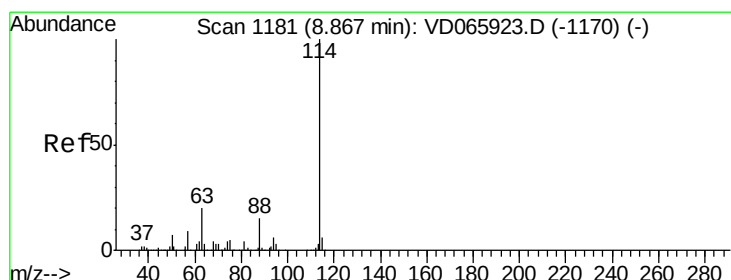
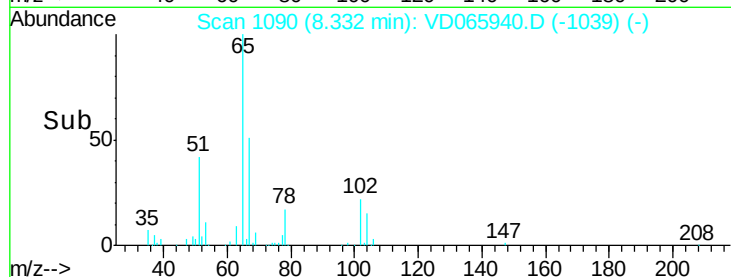
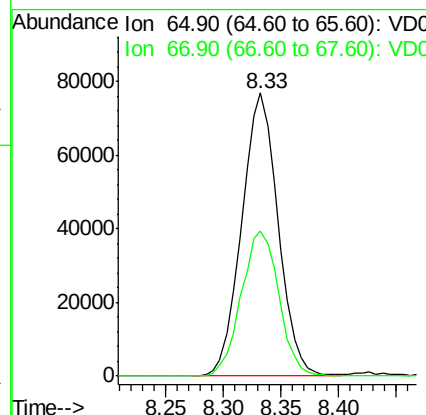
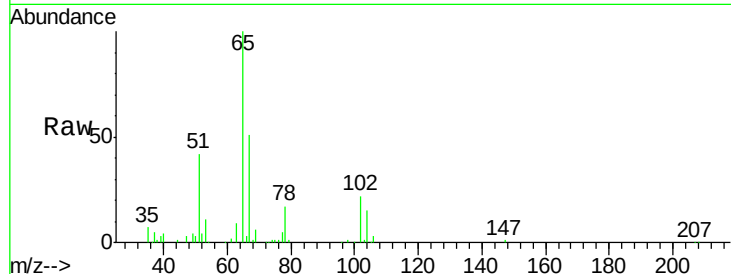
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.079 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. 0.00 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 168966 |       |       |
| 67      | 52.8  | 0.0    | 105.6 |       |

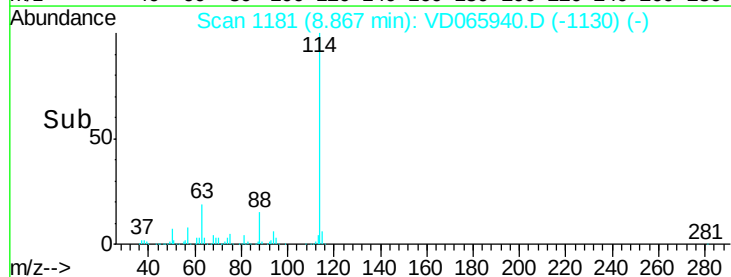
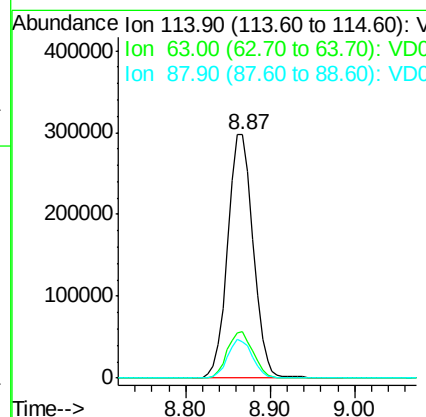
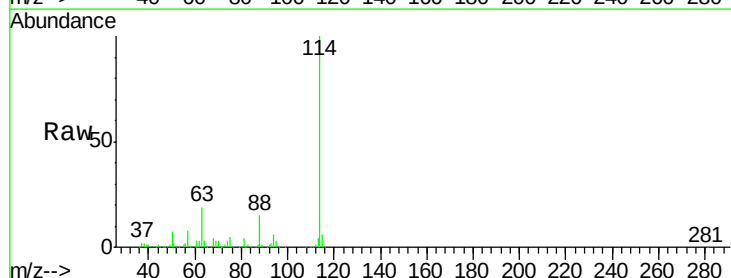
Manual Integrations  
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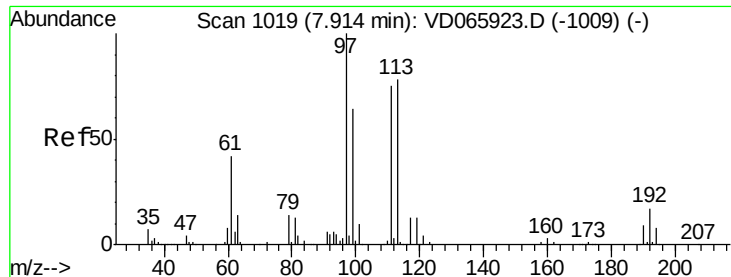
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 619778 |       |       |
| 63      | 19.0  | 0.0    | 39.2  |       |
| 88      | 14.7  | 0.0    | 30.0  |       |





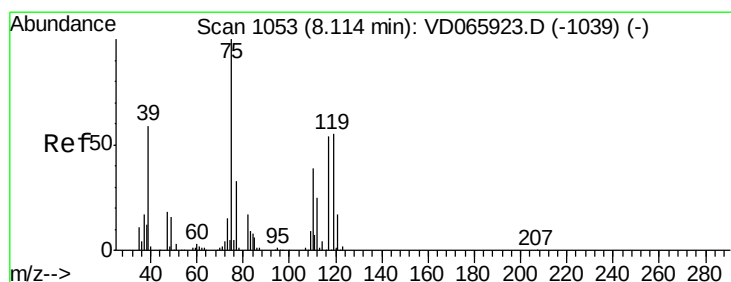
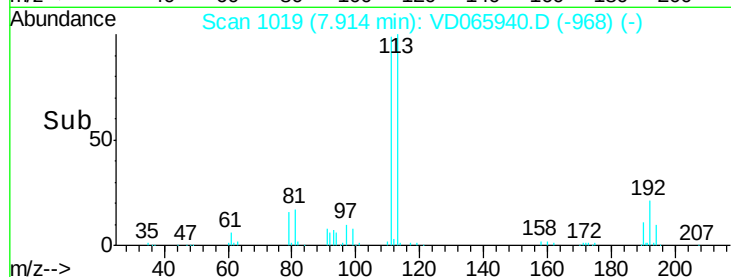
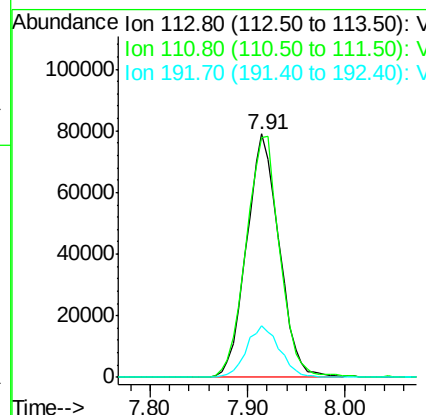
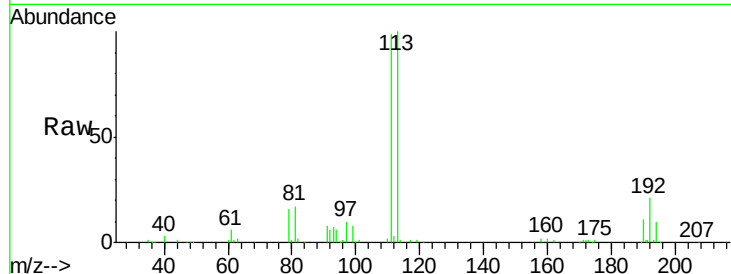
#35  
 Dibromofluoromethane  
 Concen: 48.306 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. 0.00 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.6 | 80.9  | 121.3 |
| 192     | 21.4  | 17.1  | 25.7  |

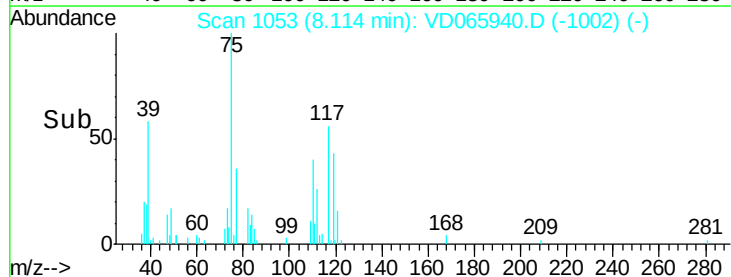
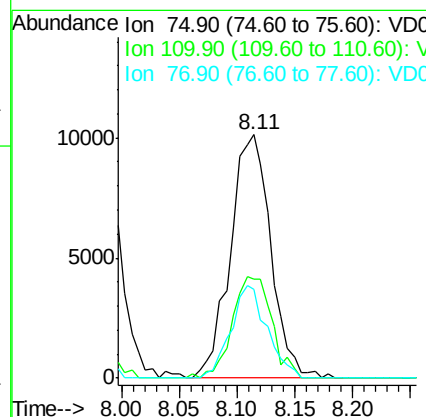
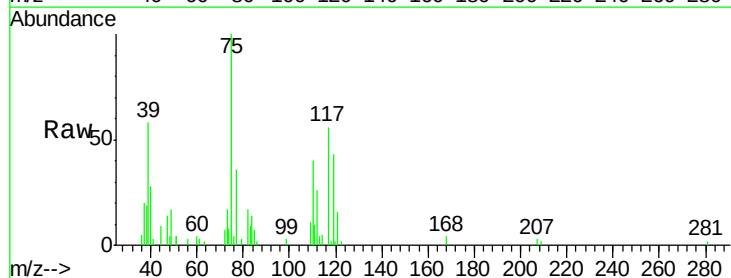
Manual Integrations  
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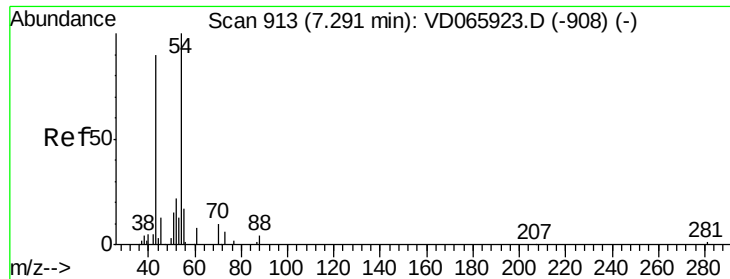
MMDadoda  
 7/9/2020 10:48:21 AM



#36  
 1,1-Dichloropropene  
 Concen: 4.019 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. 0.00 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 40.6  | 18.5  | 55.5  |
| 77      | 34.2  | 25.6  | 38.4  |





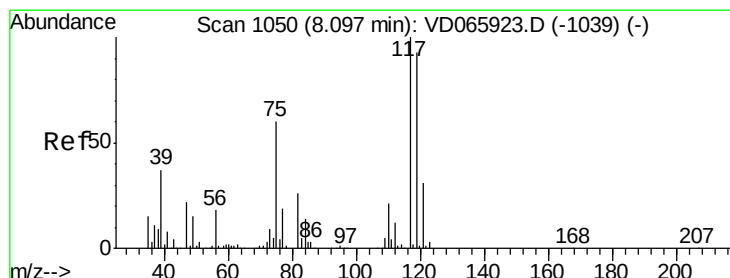
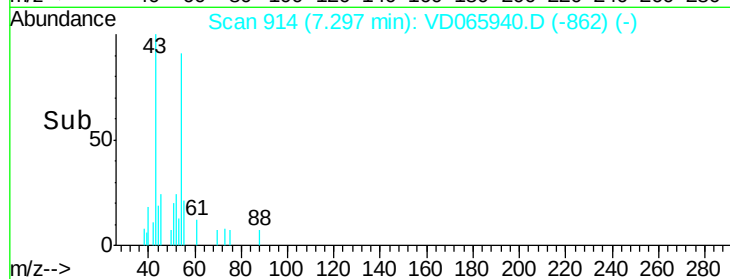
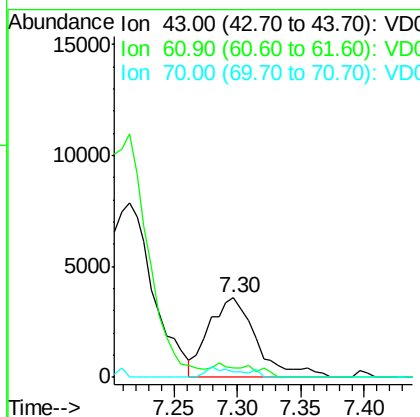
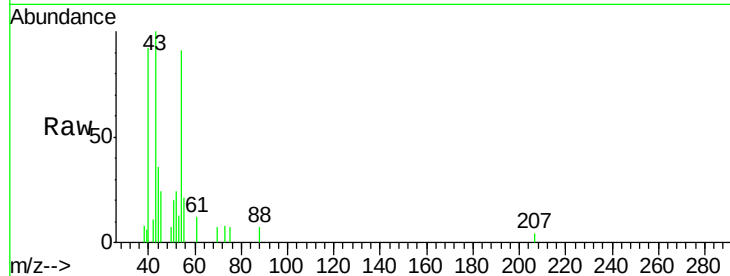
#37  
Ethyl Acetate  
Concen: 3.662 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. 0.01 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.6  | 9.4   | 14.0# |
| 70      | 8.9   | 8.3   | 12.5  |

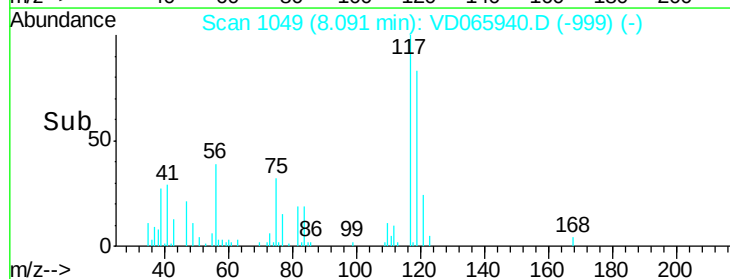
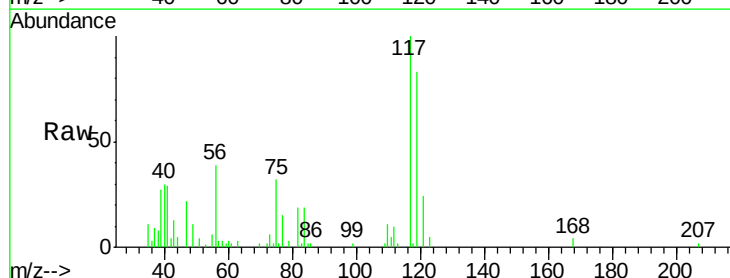
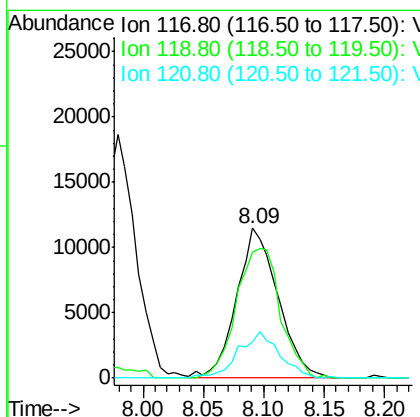
Manual Integrations  
APPROVED

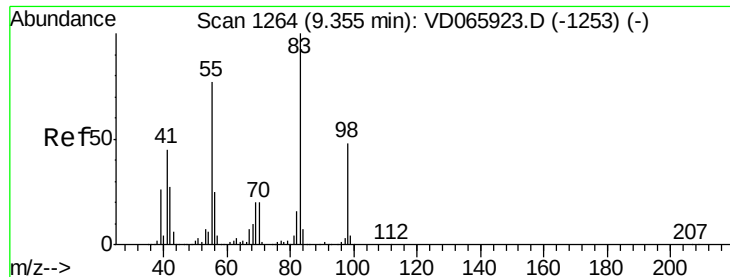
MMDadoda  
7/9/2020 10:48:21 AM



#38  
Carbon Tetrachloride  
Concen: 4.188 ug/l  
RT: 8.09 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 83.5  | 74.7  | 112.1 |
| 121     | 24.1  | 24.9  | 37.3# |





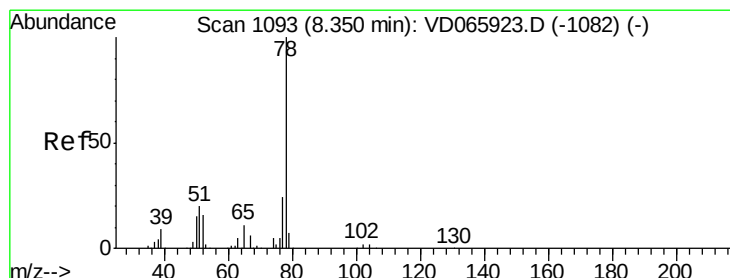
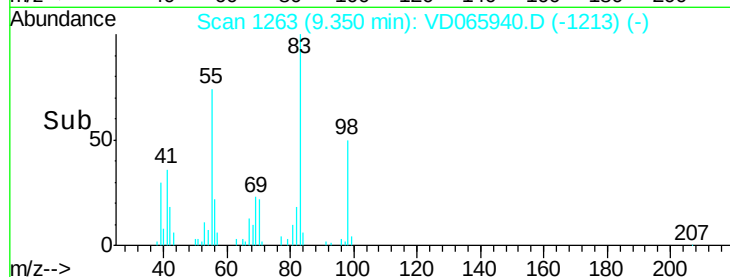
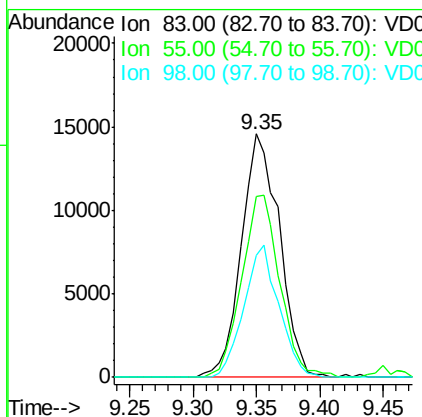
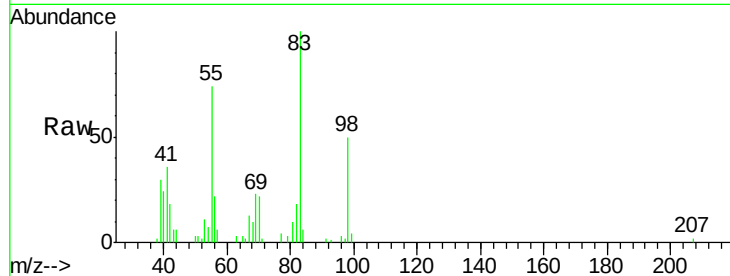
#39  
Methylvlclohexane  
Concen: 4.053 ug/l  
RT: 9.35 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 74.3  |      | 61.7  | 92.5  |
| 98      | 50.1  |      | 38.6  | 58.0  |

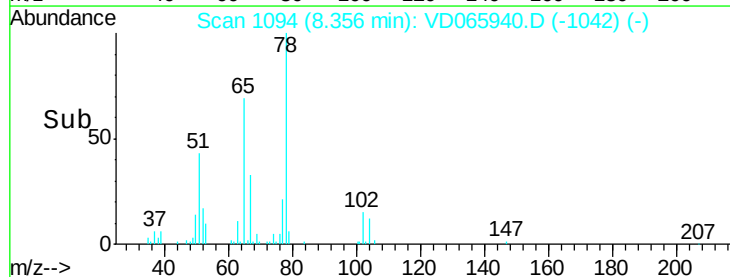
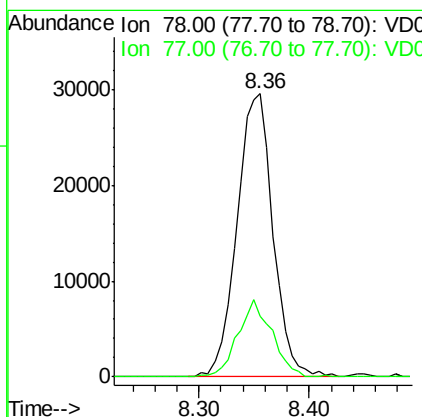
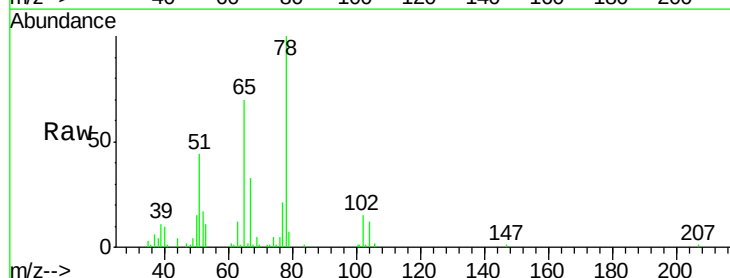
Manual Integrations  
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MMDadoda  
7/9/2020 10:48:21 AM

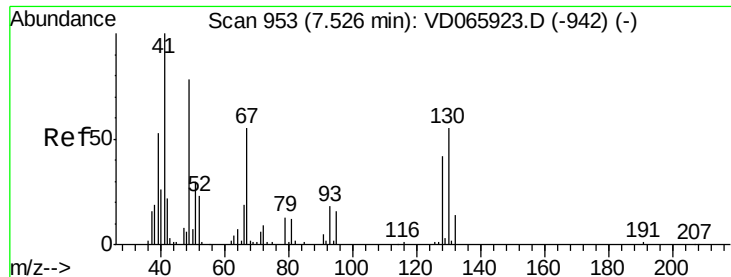


#40  
Benzene  
Concen: 3.993 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.01 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 21.3  |      | 19.4  | 29.0  |







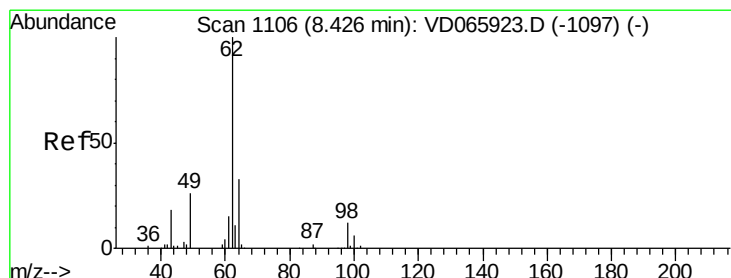
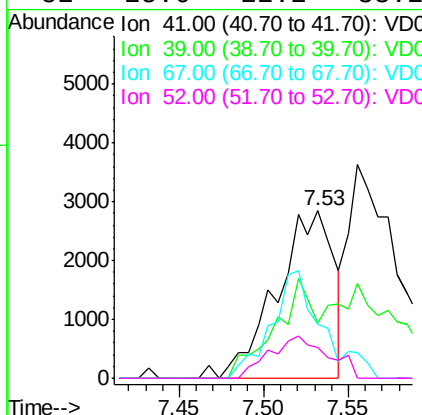
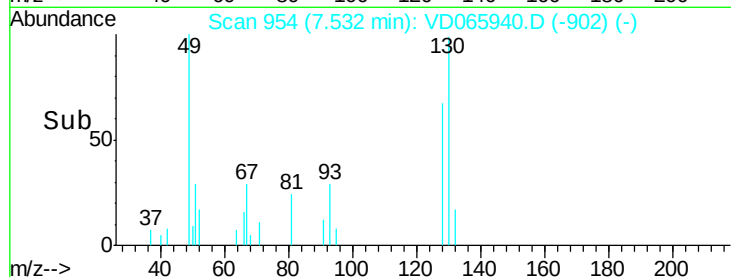
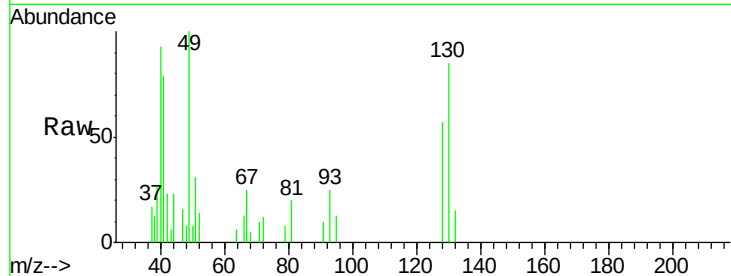
#41  
Methacrylonitrile  
Concen: 4.506 ug/l  
RT: 7.53 min Scan# 954  
Delta R.T. 0.01 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 6710  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 41.4  | 42.4  | 63.6# |
| 67       | 57.0  | 53.6  | 80.4  |
| 52       | 25.6  | 22.2  | 33.2  |

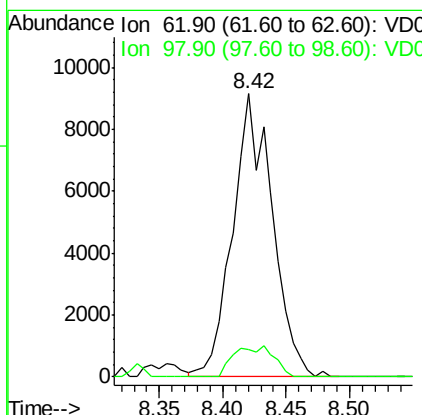
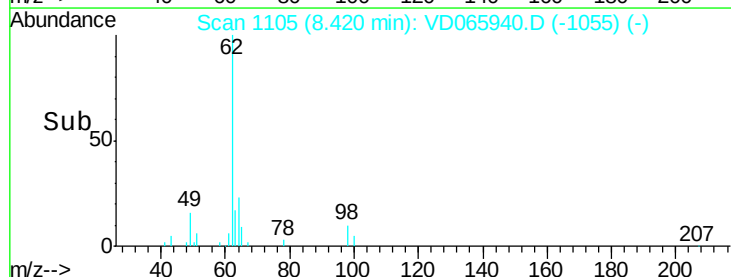
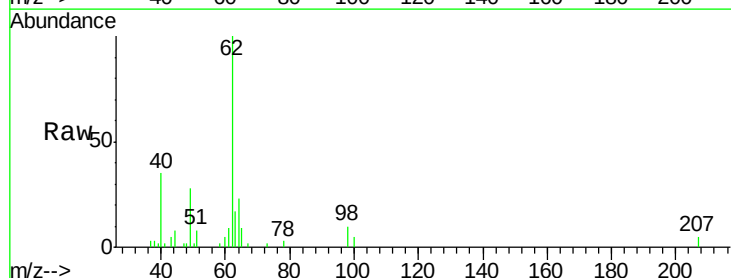
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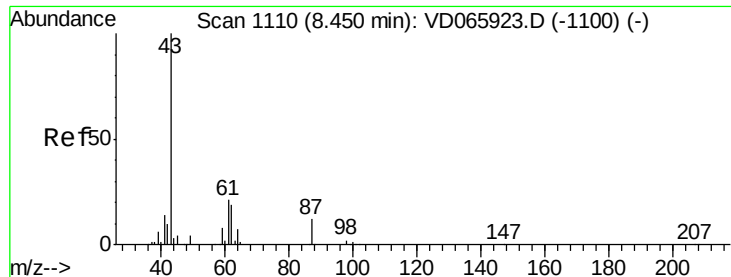
MMDadoda  
7/9/2020 10:48:21 AM



#42  
1,2-Dichloroethane  
Concen: 4.137 ug/l  
RT: 8.42 min Scan# 1105  
Delta R.T. -0.01 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 19818 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 11.1  | 0.0   | 20.0  |





#43

Isopropyl Acetate

Concen: 3.889 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

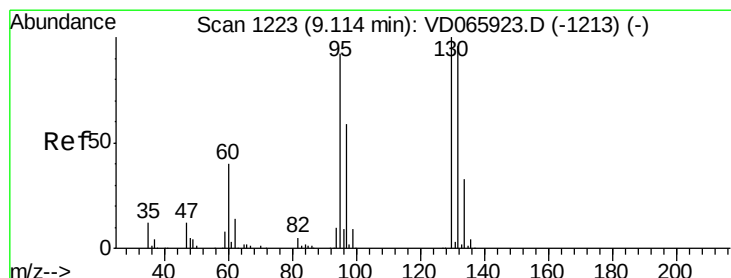
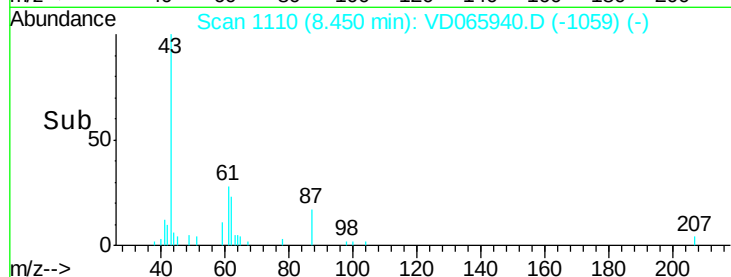
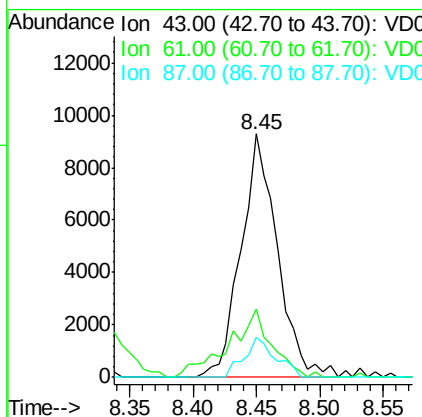
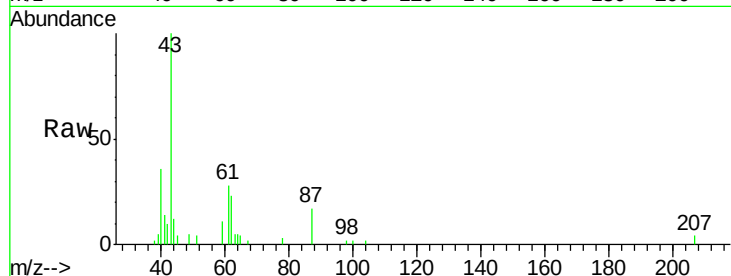
ClientSampleId :

MDL-SOIL-03-QT3-2020DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 18566 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 32.7  | 23.2  | 34.8  |
| 87       | 14.0  | 10.0  | 15.0  |

Manual Integrations  
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MMDadoda  
7/9/2020 10:48:21 AM



#44

Trichloroethene

Concen: 4.235 ug/l

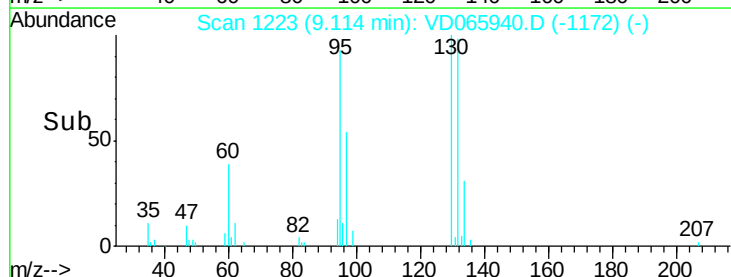
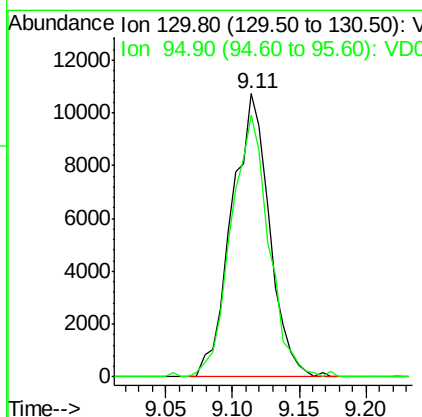
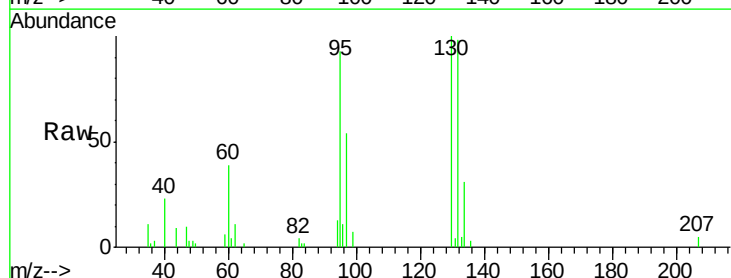
RT: 9.11 min Scan# 1223

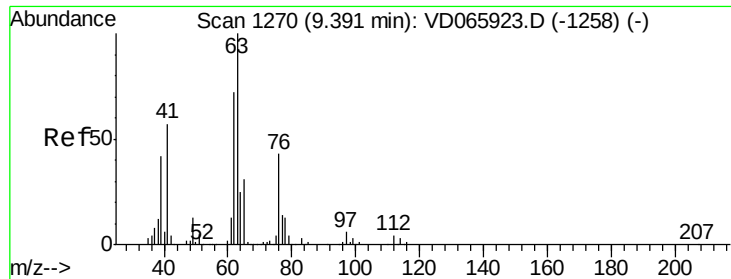
Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 21042 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 92.5  | 0.0   | 184.6 |





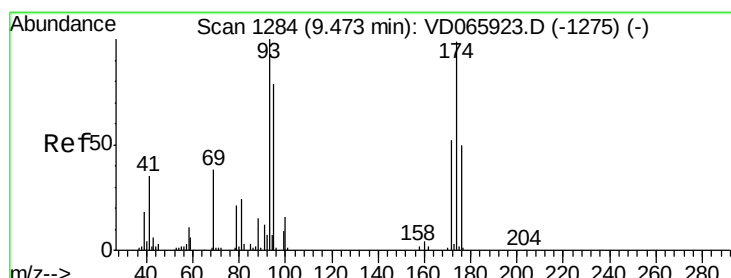
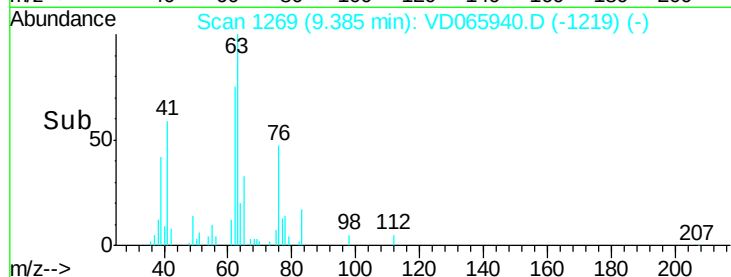
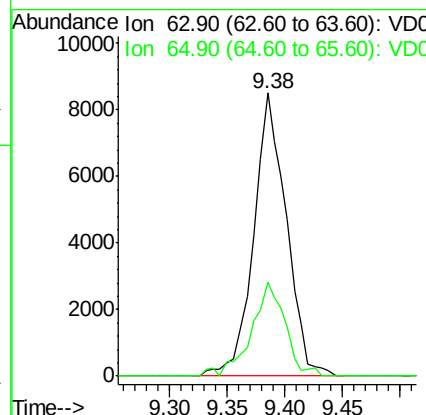
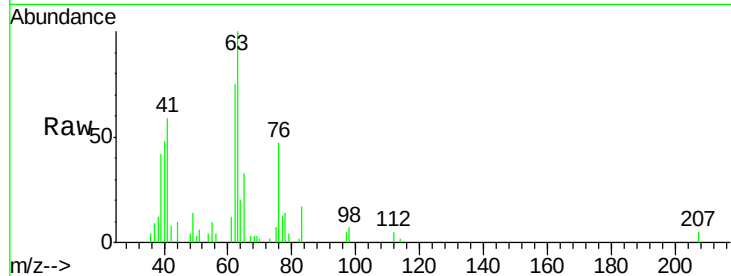
#45  
 1,2-Dichloropropane  
 Concen: 3.991 ug/l  
 RT: 9.38 min Scan# 1269  
 Delta R.T. -0.01 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020DL

Tot Ion: 63 Resp: 16752  
 Ion Ratio Lower Upper  
 63 100  
 65 33.1 25.0 37.6

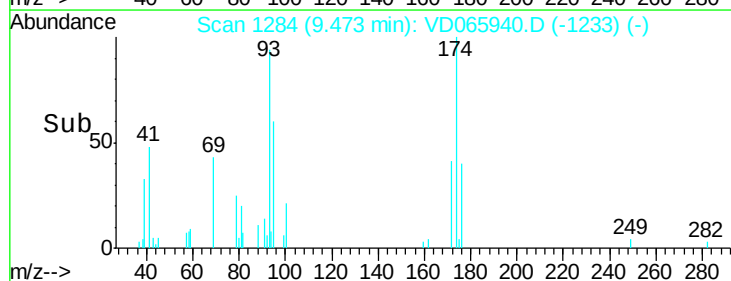
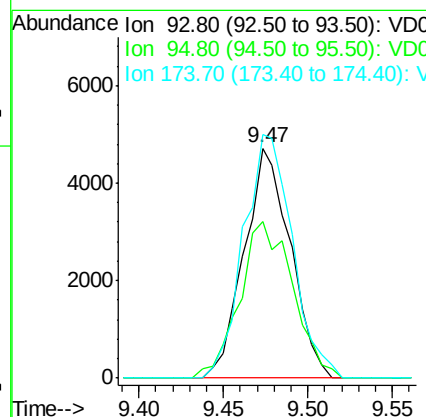
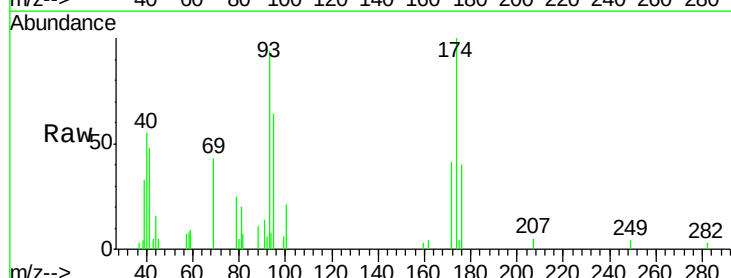
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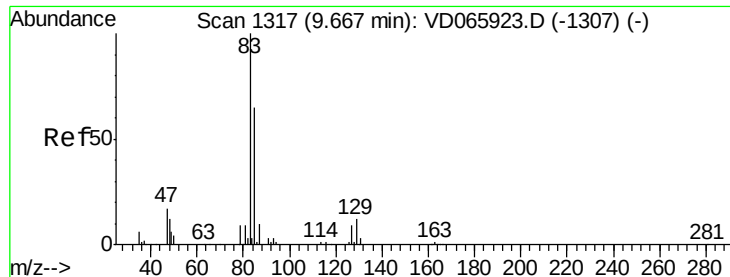
MMDadoda  
 7/9/2020 10:48:21 AM



#46  
 Dibromomethane  
 Concen: 4.105 ug/l  
 RT: 9.47 min Scan# 1284  
 Delta R.T. 0.00 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Tgt Ion: 93 Resp: 8971  
 Ion Ratio Lower Upper  
 93 100  
 95 78.2 68.2 102.2  
 174 111.9 88.0 132.0





#47

Bromodichloromethane

Concen: 3.777 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

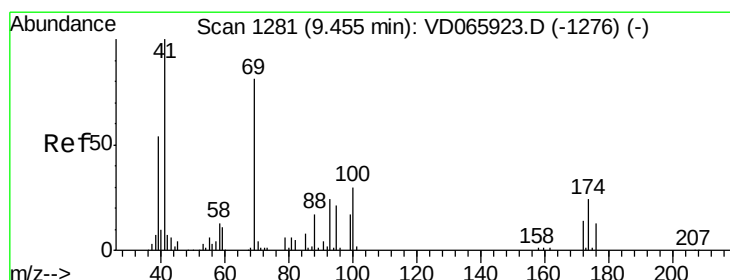
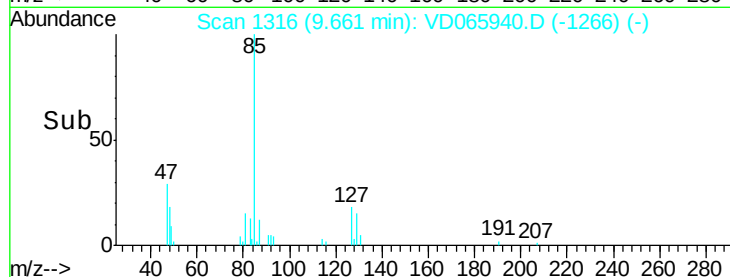
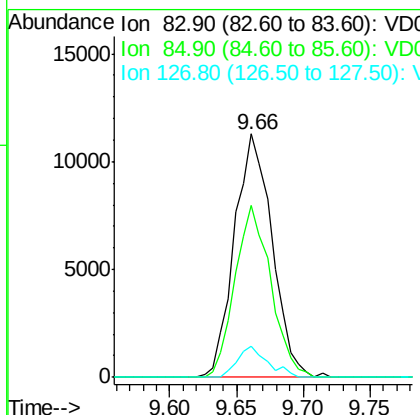
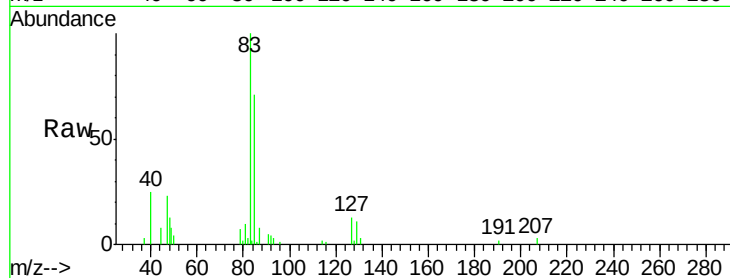
ClientSampleId :

MDL-SOIL-03-QT3-2020DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 22141 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 70.8  | 51.6  | 77.4  |
| 127       | 13.0  | 7.2   | 10.8# |

Manual Integrations  
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MMDadoda  
7/9/2020 10:48:21 AM



#48

Methyl methacrylate

Concen: 3.263 ug/l

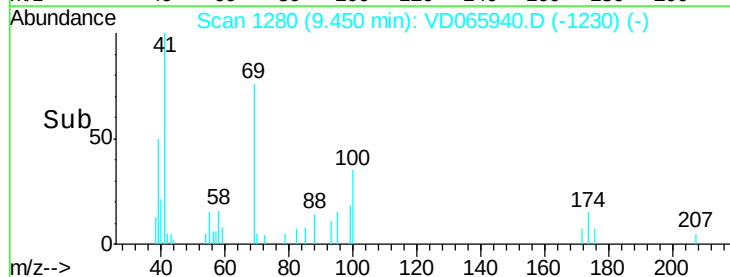
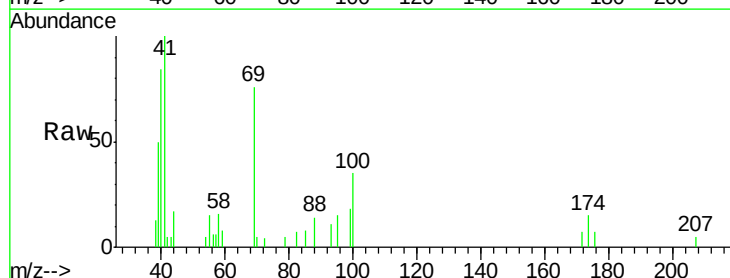
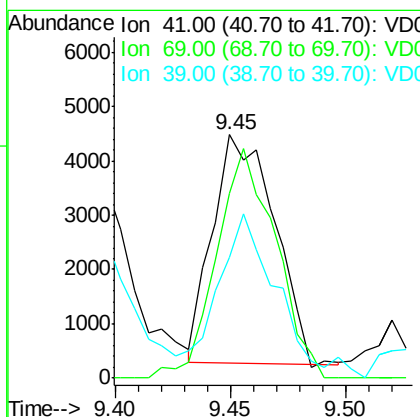
RT: 9.45 min Scan# 1280

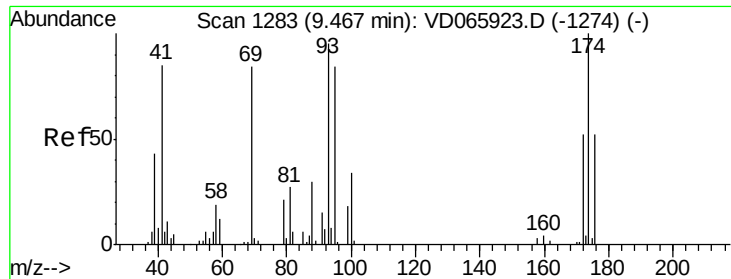
Delta R.T. -0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 7842  |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 96.3  | 62.2  | 93.4# |
| 39        | 70.4  | 39.9  | 59.9# |





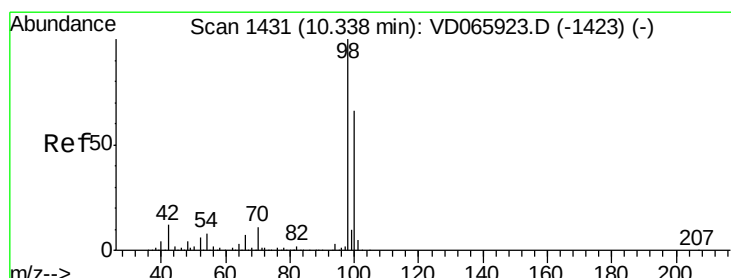
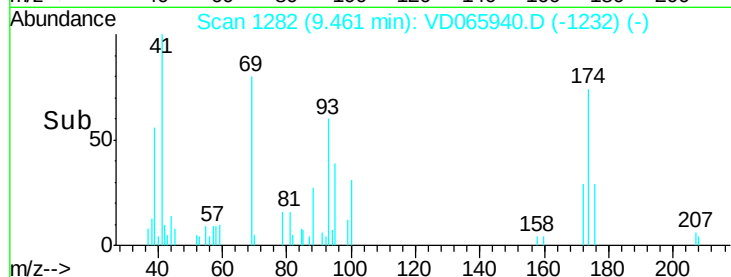
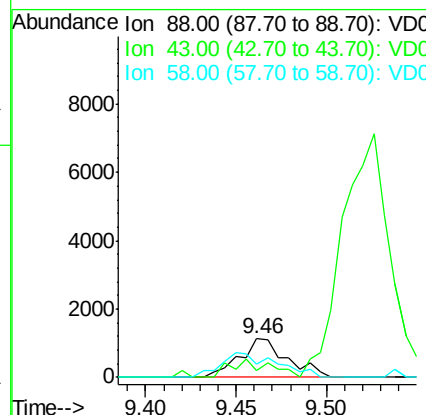
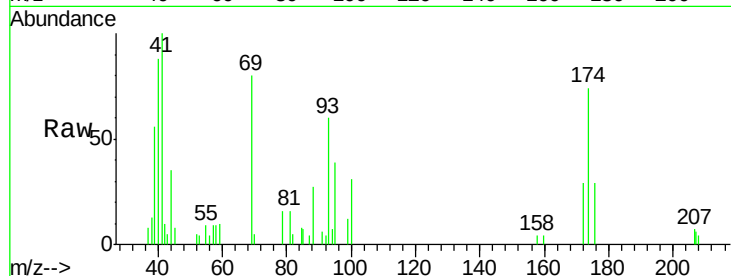
#49  
1,4-Dioxane  
Concen: 79.033 ug/l  
RT: 9.46 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

| Tot Ion | 88    | Resp  | 2052  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 39.2  | 28.2  | 42.4  |
| 58      | 74.5  | 58.6  | 87.8  |

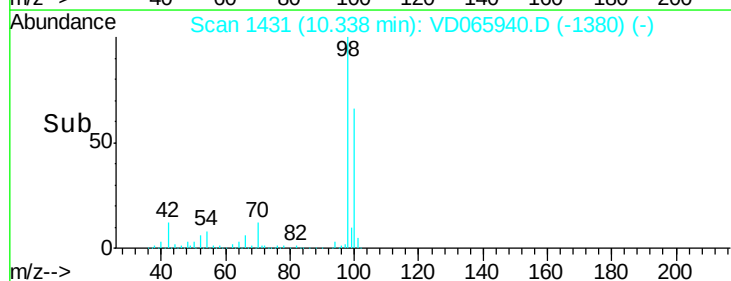
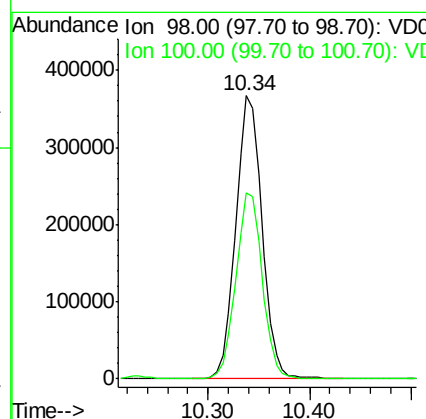
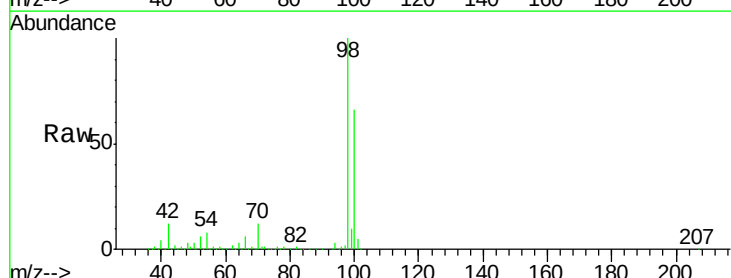
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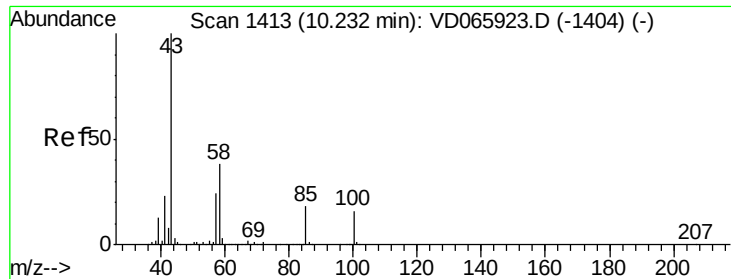
MMDadoda  
7/9/2020 10:48:21 AM



#50  
Toluene-d8  
Concen: 47.348 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

| Tgt Ion | 98    | Resp  | 660505 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 66.4  | 53.1  | 79.7   |





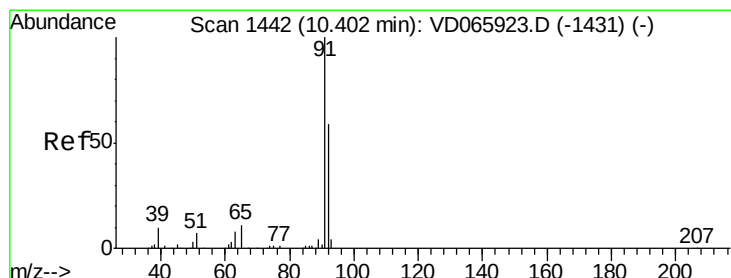
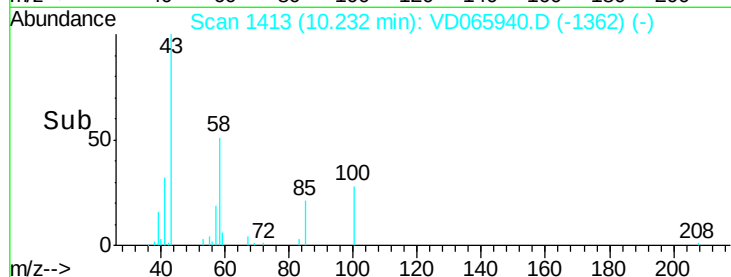
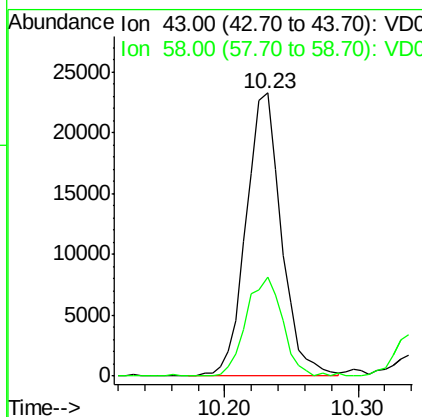
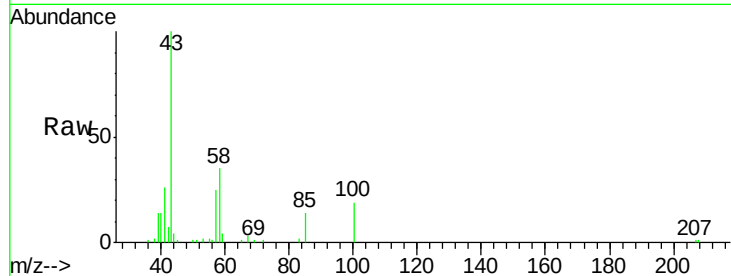
#51  
 4-Methyl-2-Pentanone  
 Concen: 17.603 ug/l  
 RT: 10.23 min Scan# 1413  
 Delta R.T. 0.00 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 MDL-SOIL-03-QT3-2020DL

Tot Ion: 43 Resp: 42487  
 Ion Ratio Lower Upper  
 43 100  
 58 36.1 30.5 45.7

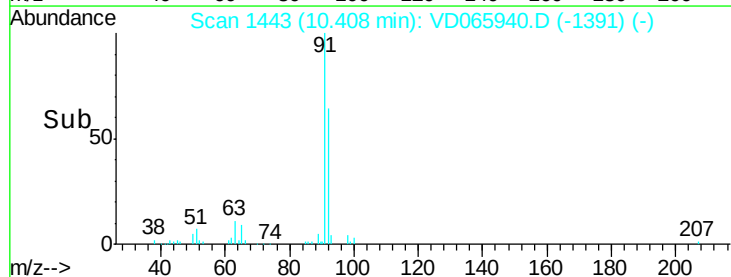
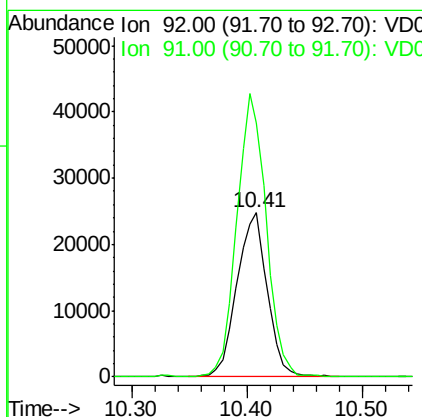
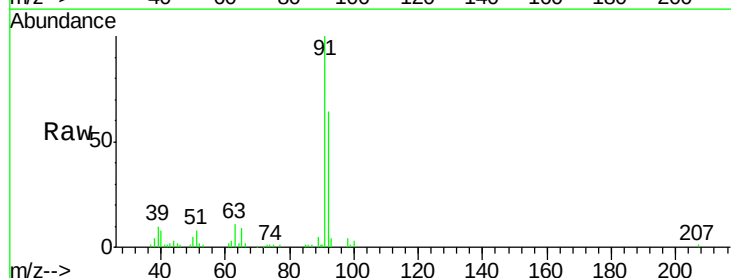
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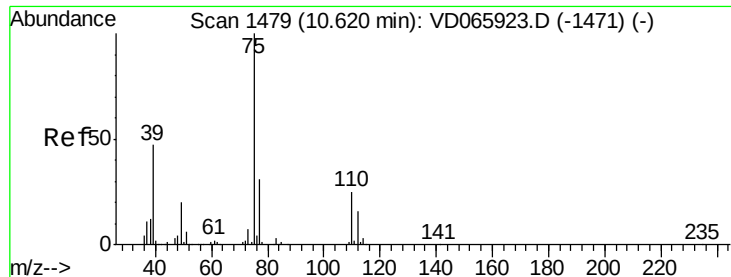
MMDadoda  
 7/9/2020 10:48:21 AM



#52  
 Toluene  
 Concen: 4.179 ug/l  
 RT: 10.41 min Scan# 1443  
 Delta R.T. 0.01 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Tgt Ion: 92 Resp: 44957  
 Ion Ratio Lower Upper  
 92 100  
 91 167.2 136.0 204.0





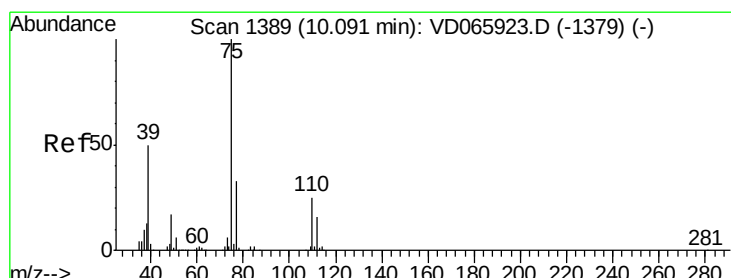
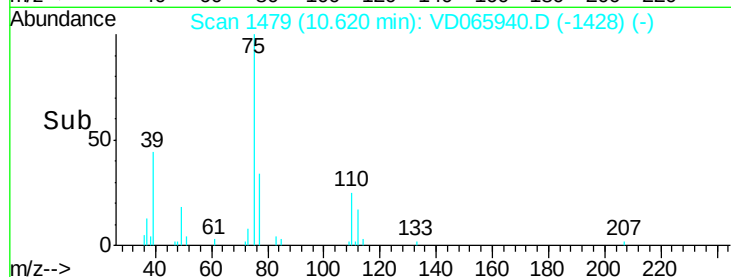
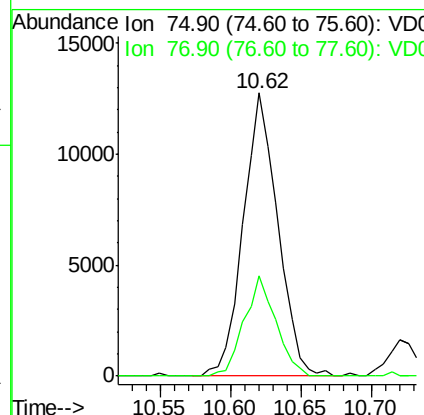
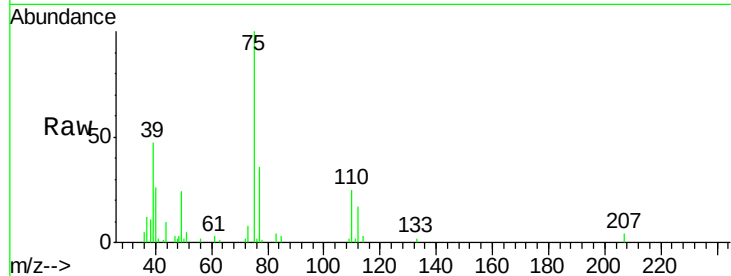
#53  
t-1,3-Dichloropropene  
Concen: 3.966 ug/l  
RT: 10.62 min Scan# 1479  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

Tot Ion: 75 Resp: 21857  
Ion Ratio Lower Upper  
75 100  
77 35.6 25.1 37.7

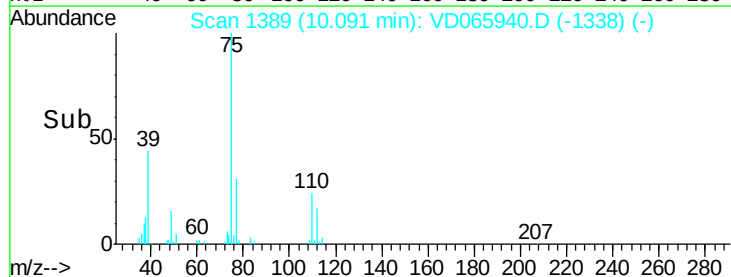
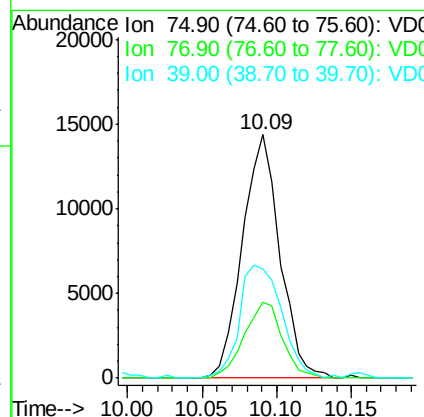
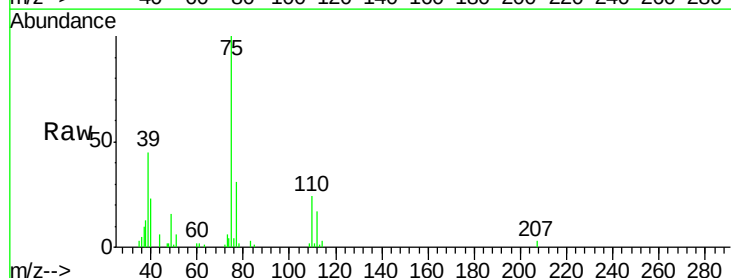
Manual Integrations  
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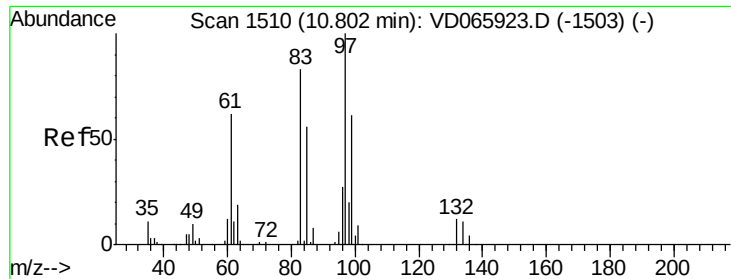
MMDadoda  
7/9/2020 10:48:21 AM



#54  
cis-1,3-Dichloropropene  
Concen: 3.748 ug/l  
RT: 10.09 min Scan# 1389  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Tgt Ion: 75 Resp: 24961  
Ion Ratio Lower Upper  
75 100  
77 31.3 26.6 39.8  
39 44.6 39.6 59.4





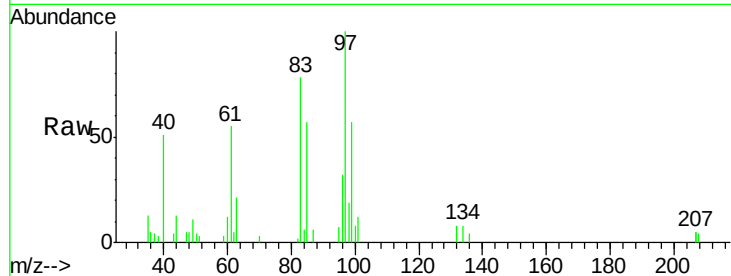
#55  
 1,1,2-Trichloroethane  
 Concen: 4.058 ug/l  
 RT: 10.80 min Scan# 1509  
 Delta R.T. -0.01 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020DL

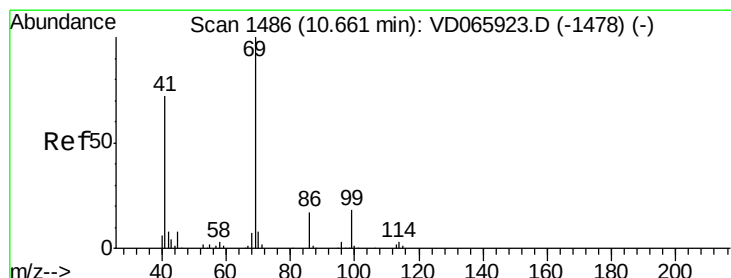
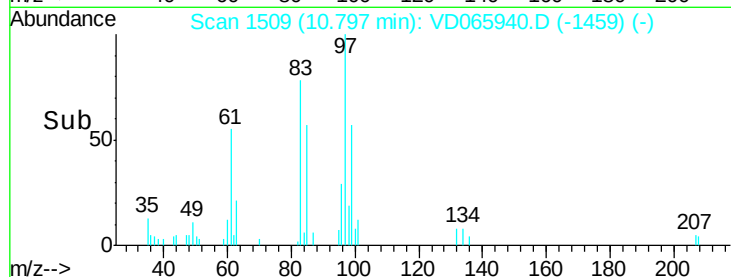
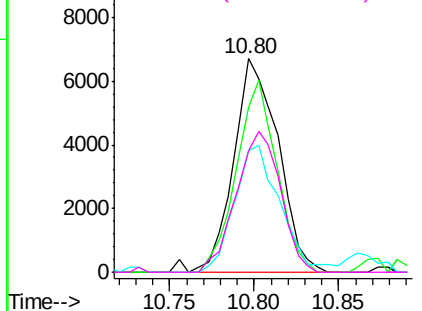
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 12217 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 77.5  | 66.9  | 100.3 |
| 85       | 56.9  | 44.5  | 66.7  |
| 99       | 57.0  | 49.2  | 73.8  |

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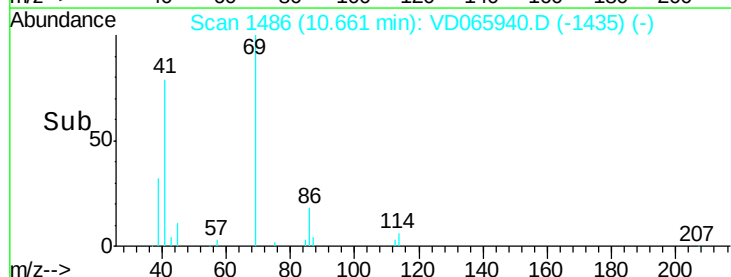
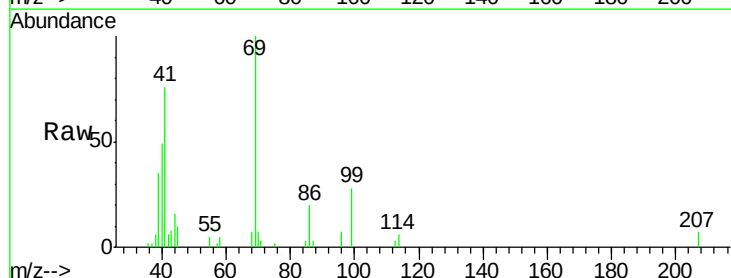
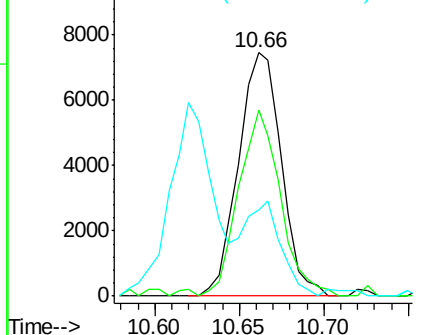
Abundance Ion 96.90 (96.60 to 97.60): VDC  
 Ion 82.90 (82.60 to 83.60): VDC  
 Ion 84.90 (84.60 to 85.60): VDC  
 Ion 98.90 (98.60 to 99.60): VDC



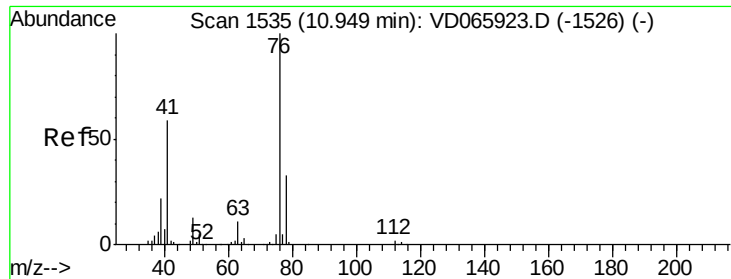
#56  
 Ethyl methacrylate  
 Concen: 3.579 ug/l  
 RT: 10.66 min Scan# 1486  
 Delta R.T. 0.00 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 13161 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 74.5  | 56.5  | 84.7  |
| 39       | 30.2  | 29.2  | 43.8  |

Abundance Ion 69.00 (68.70 to 69.70): VDC  
 Ion 41.00 (40.70 to 41.70): VDC  
 Ion 39.00 (38.70 to 39.70): VDC







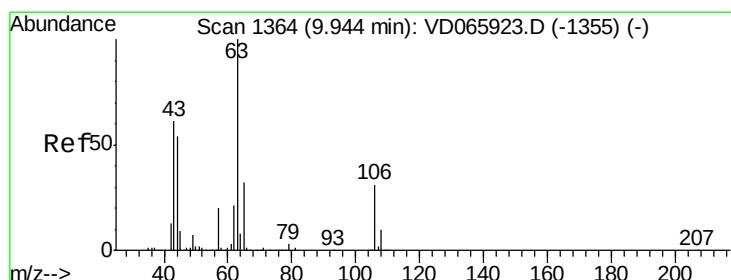
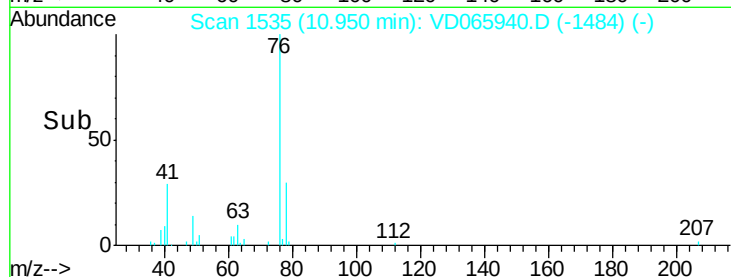
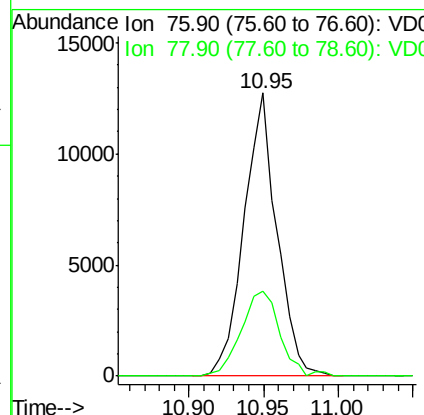
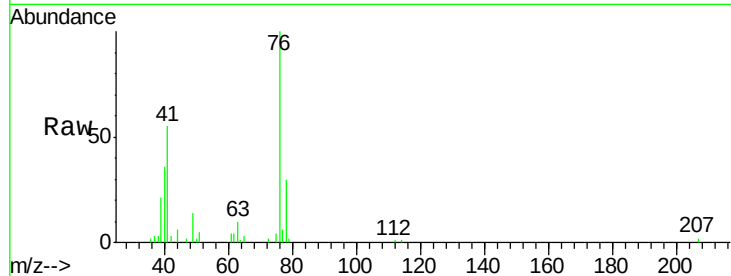
#57  
 1,3-Dichloropropane  
 Concen: 3.702 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020DL

Tot Ion: 76 Resp: 19491  
 Ion Ratio Lower Upper  
 76 100  
 78 35.3 25.8 38.6

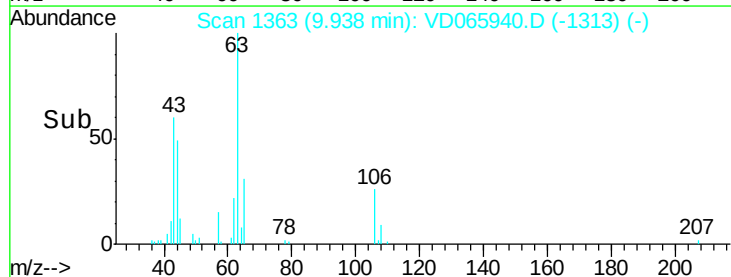
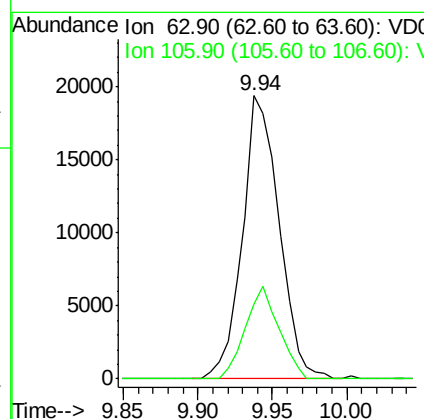
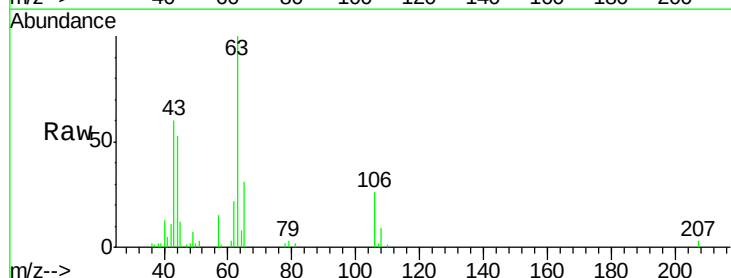
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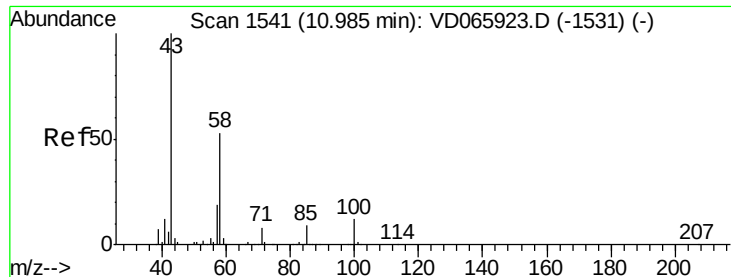
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 7/9/2020 10:48:21 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 18.503 ug/l  
 RT: 9.94 min Scan# 1363  
 Delta R.T. -0.01 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Tgt Ion: 63 Resp: 32951  
 Ion Ratio Lower Upper  
 63 100  
 106 29.7 23.8 35.6





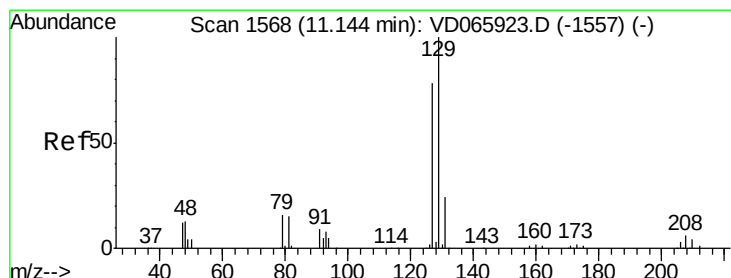
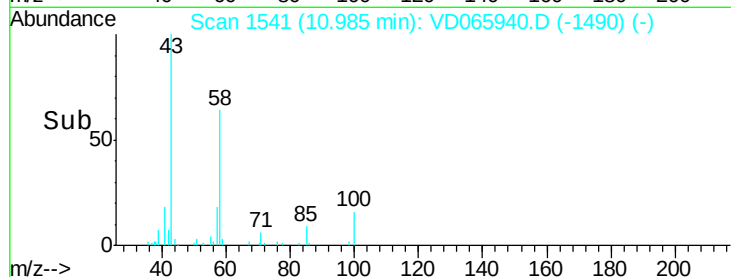
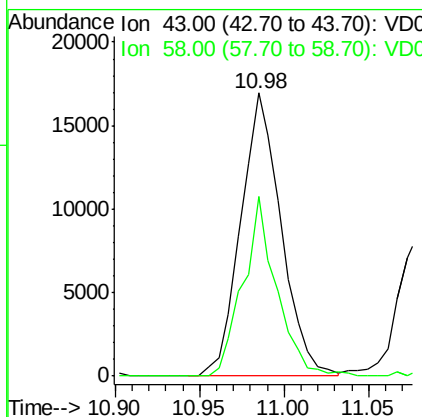
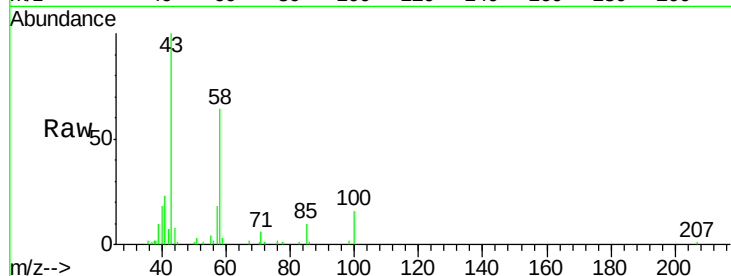
#59  
2-Hexanone  
Concen: 17.032 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

Tot Ion: 43 Resp: 28271  
Ion Ratio Lower Upper  
43 100  
58 53.0 26.6 79.8

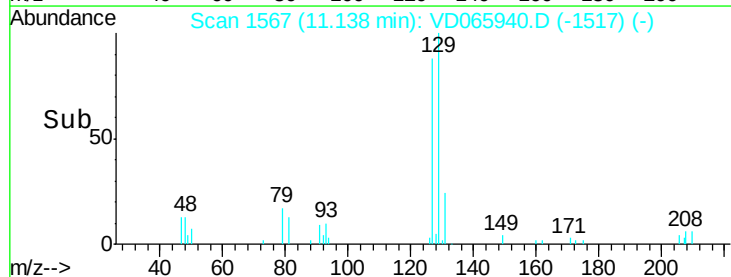
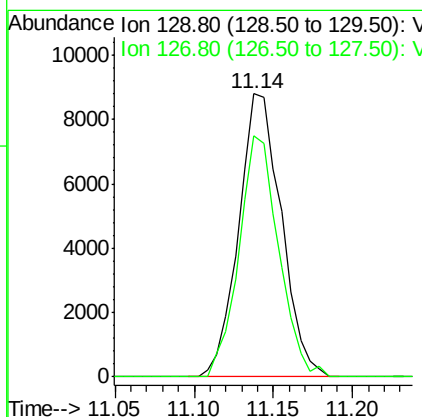
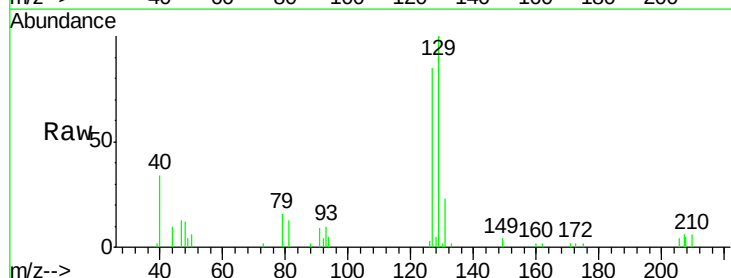
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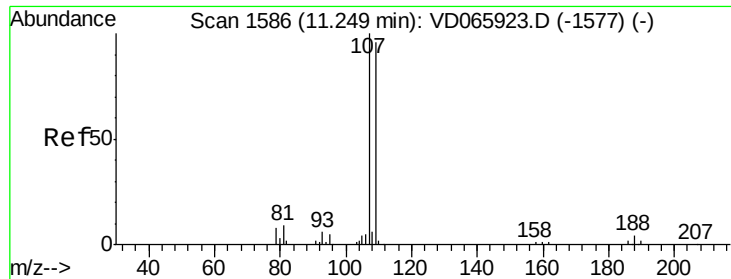
MMDadoda  
7/9/2020 10:48:21 AM



#60  
Dibromochloromethane  
Concen: 3.998 ug/l  
RT: 11.14 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Tgt Ion: 129 Resp: 16445  
Ion Ratio Lower Upper  
129 100  
127 79.4 38.8 116.4





#61

1,2-Dibromoethane

Concen: 3.871 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion: 107 Resp: 11619

Ion Ratio Lower Upper

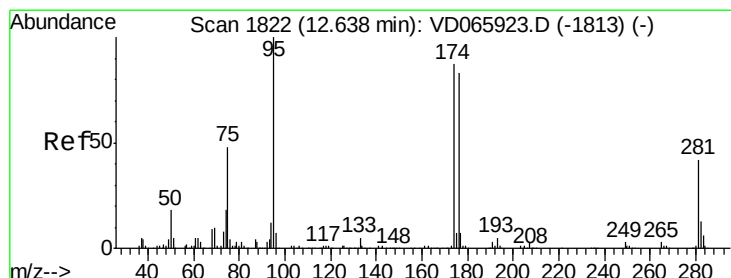
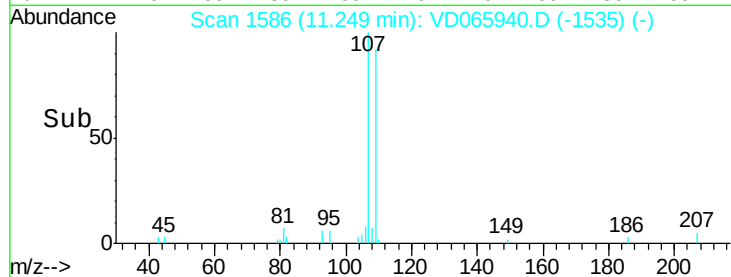
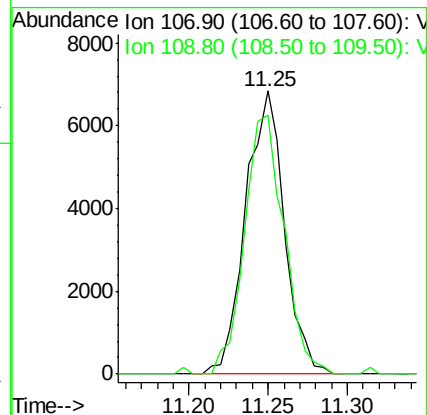
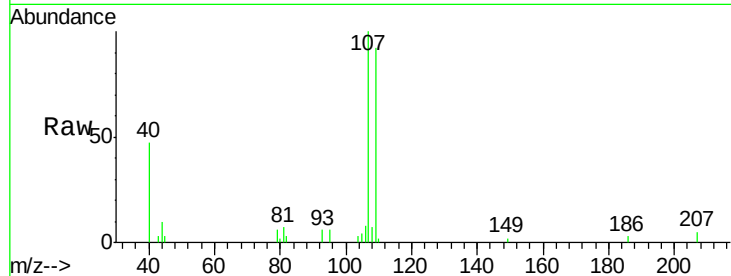
107 100

109 93.7 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 48.432 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

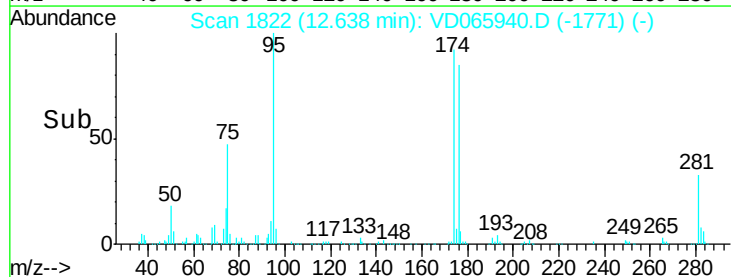
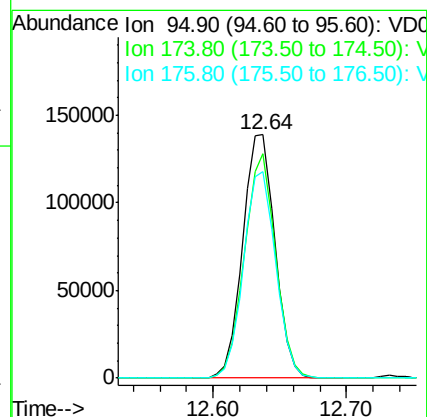
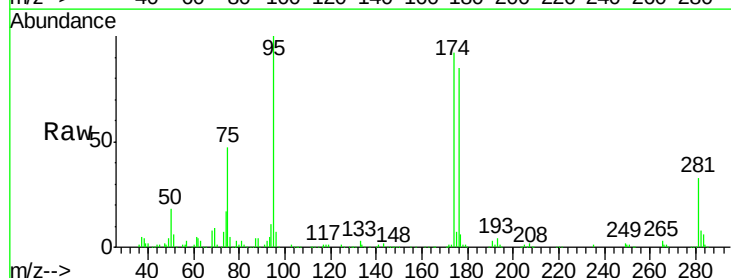
Tgt Ion: 95 Resp: 232014

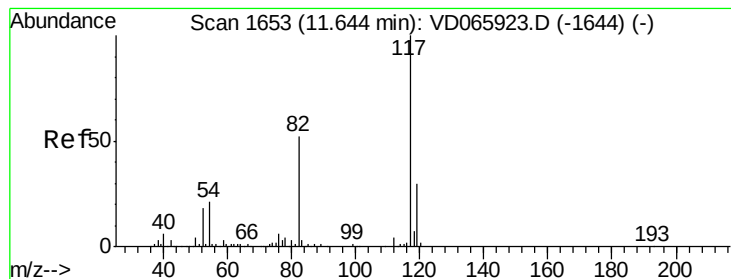
Ion Ratio Lower Upper

95 100

174 88.8 0.0 169.4

176 84.5 0.0 164.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

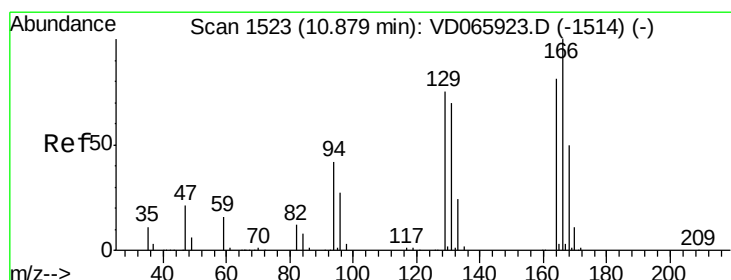
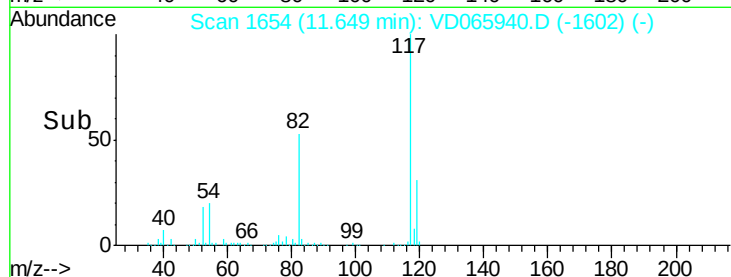
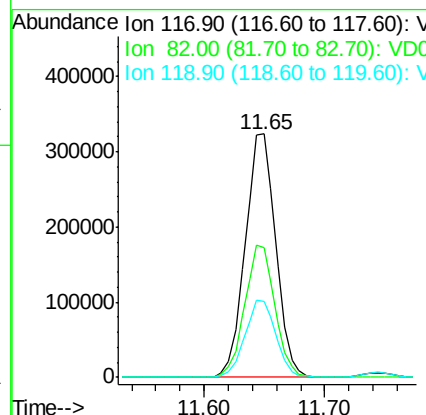
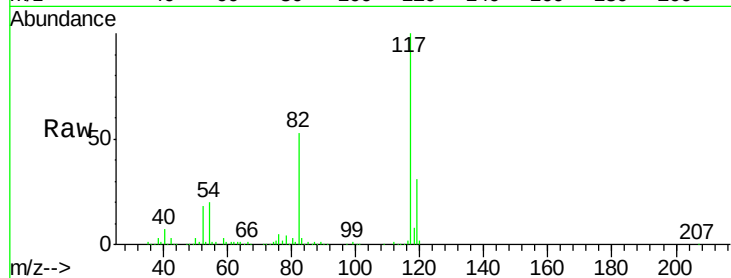
ClientSampleId :

MDL-SOIL-03-QT3-2020DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 572493 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 53.4  | 41.8  | 62.8   |
| 119       | 31.1  | 24.3  | 36.5   |

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#64

Tetrachloroethene

Concen: 4.264 ug/l

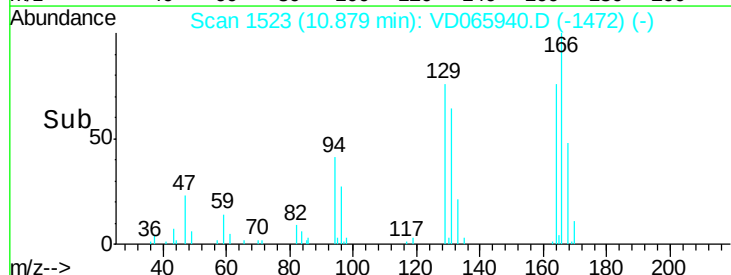
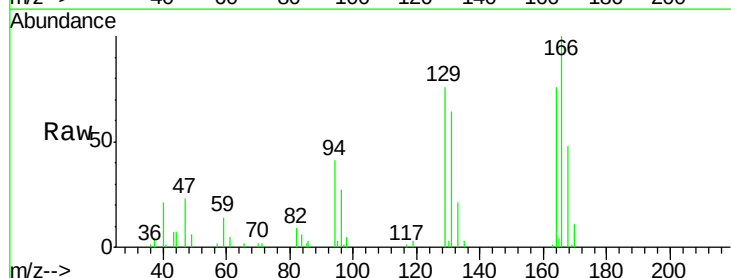
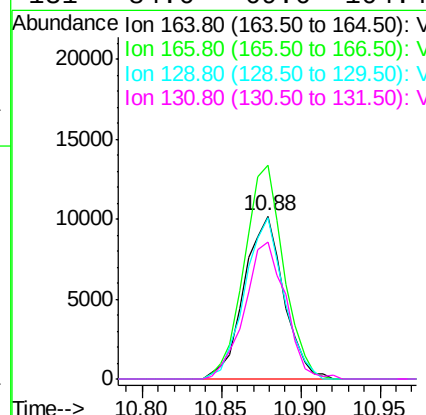
RT: 10.88 min Scan# 1523

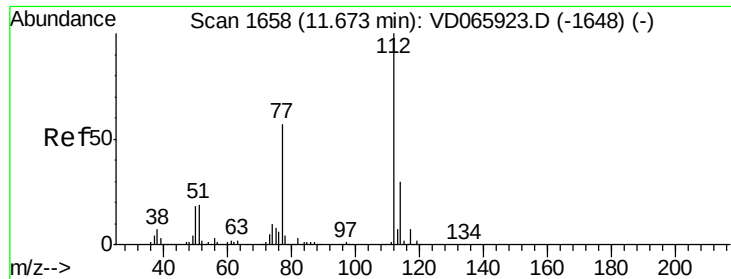
Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 17752 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 131.3 | 99.0  | 148.4 |
| 129       | 99.4  | 73.9  | 110.9 |
| 131       | 84.6  | 69.6  | 104.4 |





#65

Chlorobenzene

Concen: 4.198 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion:112 Resp: 48434

Ion Ratio Lower Upper

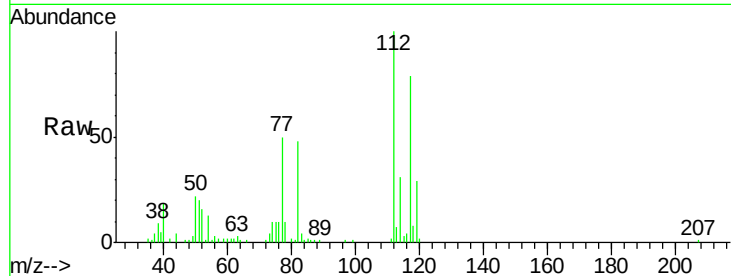
112 100

114 30.8 24.2 36.4

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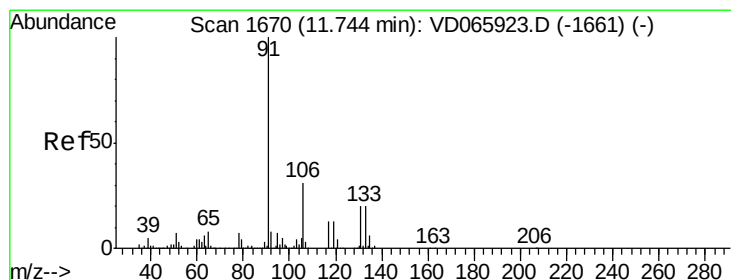
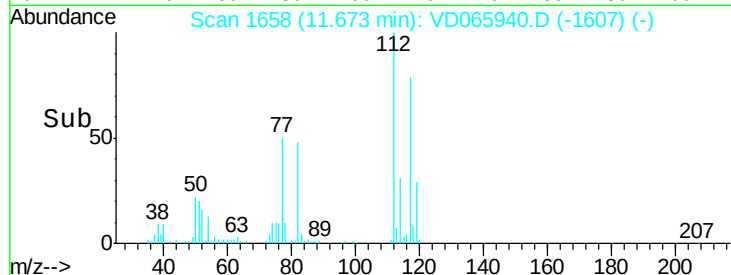
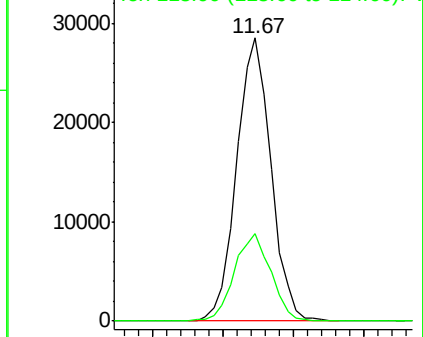
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.048 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

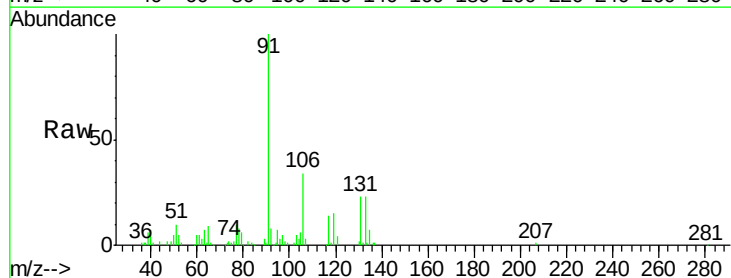
Tgt Ion:131 Resp: 17468

Ion Ratio Lower Upper

131 100

133 100.4 47.9 143.6

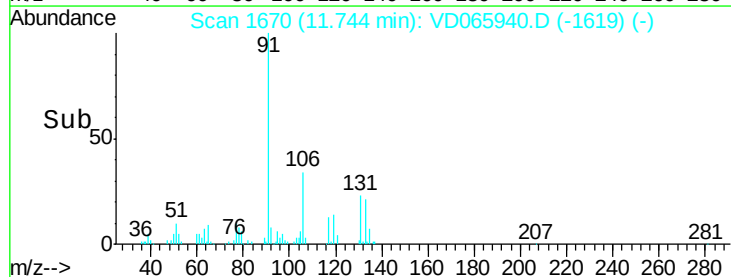
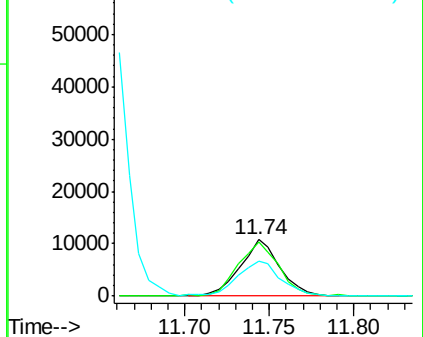
119 68.8 31.9 95.9

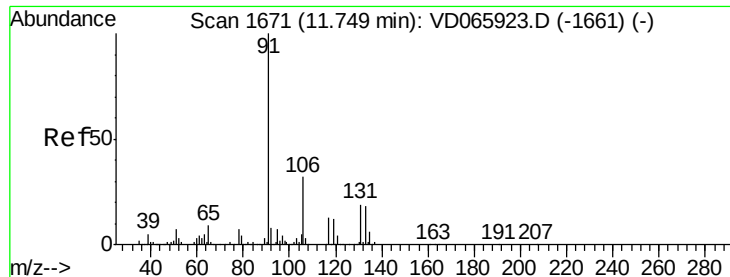


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 3.871 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleID :

MDL-SOIL-03-QT3-2020DL

Tot Ion: 91 Resp: 79340

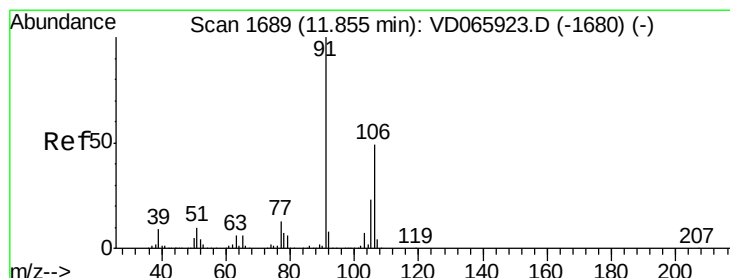
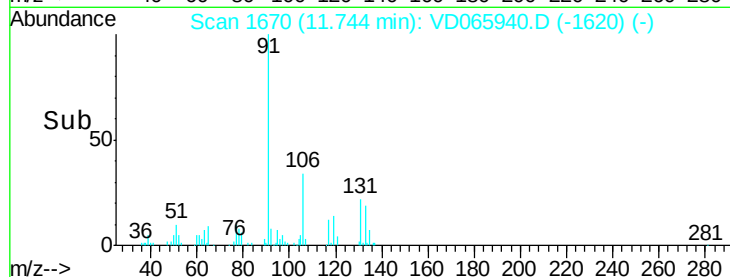
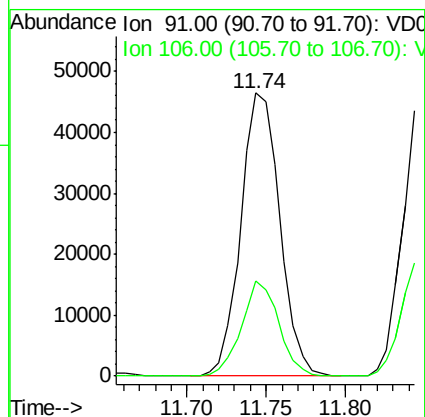
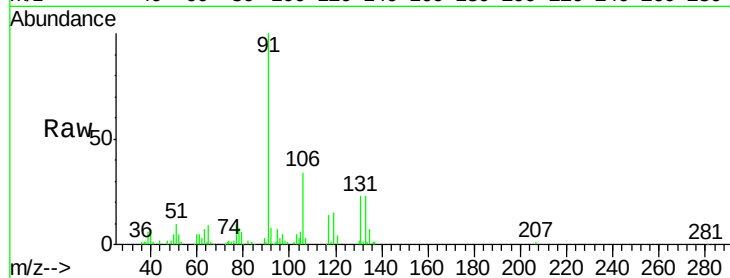
Ion Ratio Lower Upper

91 100

106 33.6 25.2 37.8

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#68

m/p-Xylenes

Concen: 7.924 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065940.D

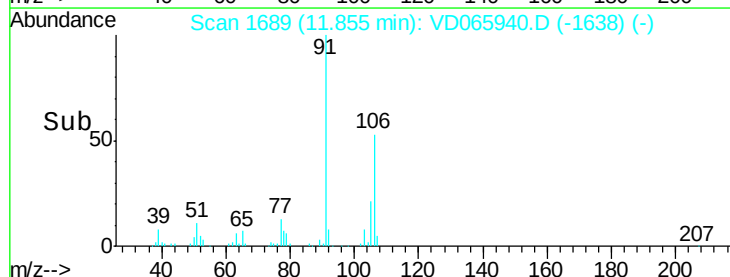
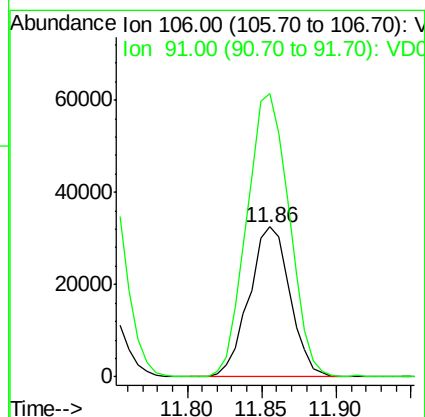
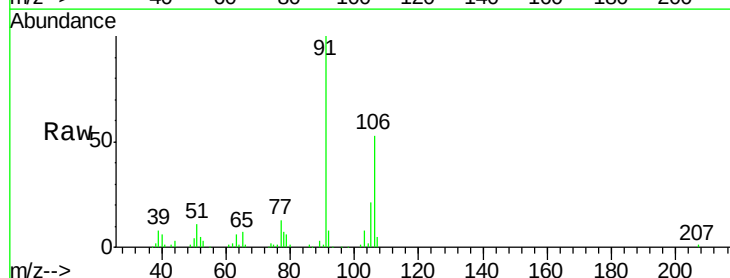
Acq: 08 Jul 2020 15:10

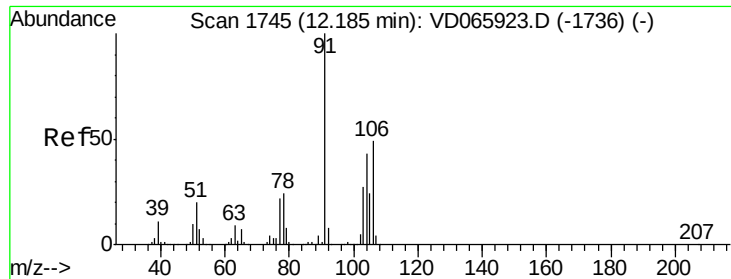
Tgt Ion: 106 Resp: 61704

Ion Ratio Lower Upper

106 100

91 195.7 158.2 237.2





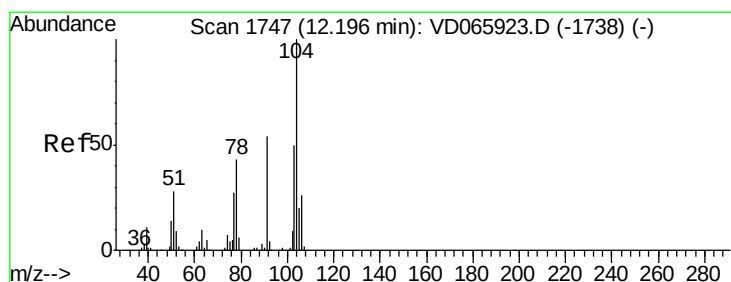
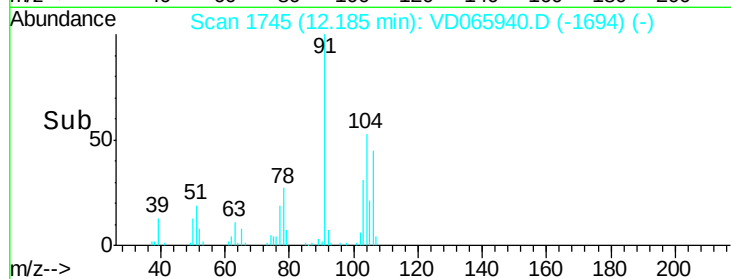
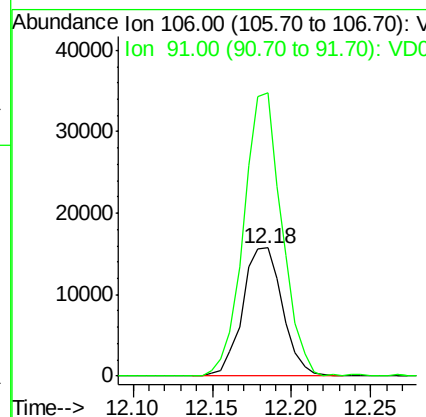
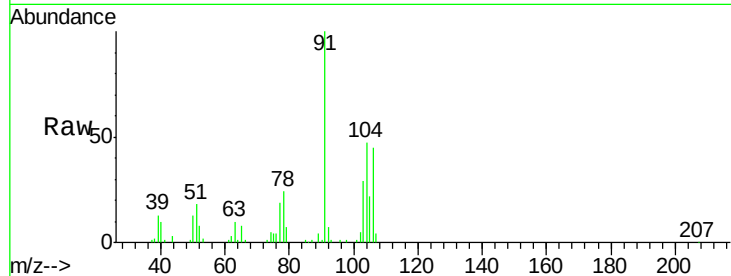
#69  
o-Xylene  
Concen: 3.880 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 210.8 | 104.1 | 312.2 |

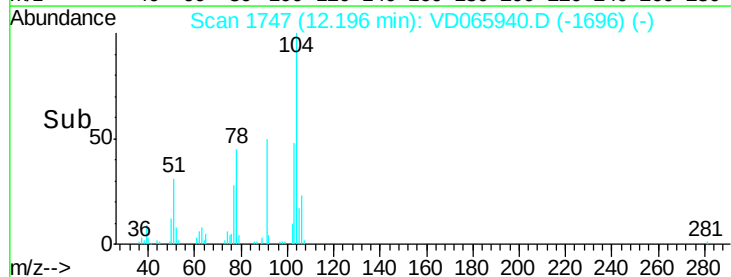
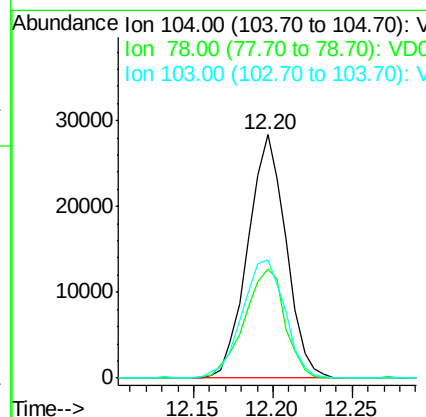
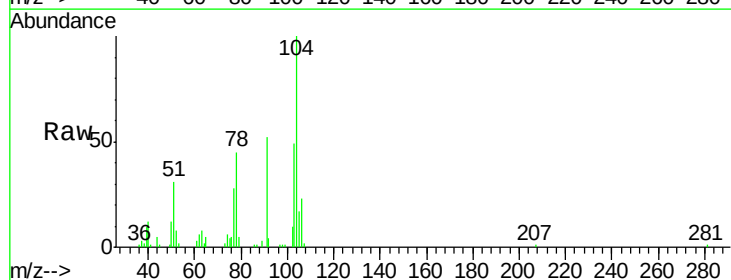
Manual Integrations  
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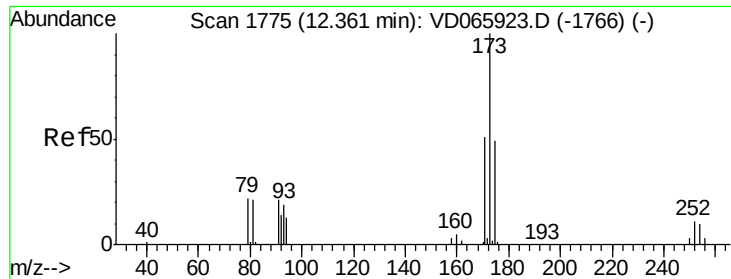
MMDadoda  
7/9/2020 10:48:21 AM



#70  
Styrene  
Concen: 3.877 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.7  | 38.8  | 58.2  |
| 103     | 54.3  | 43.6  | 65.4  |





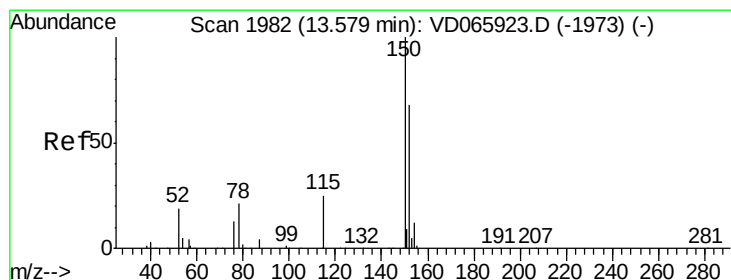
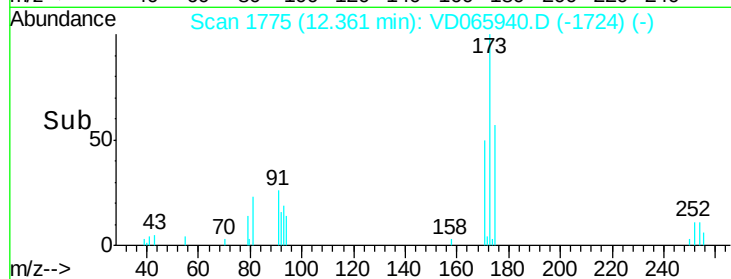
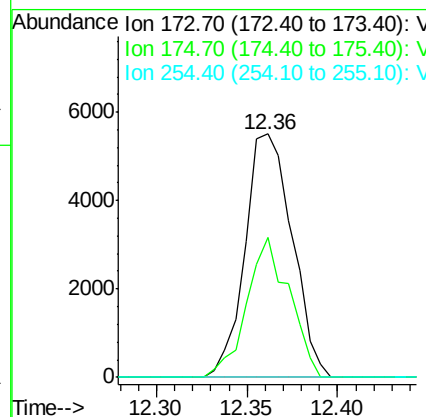
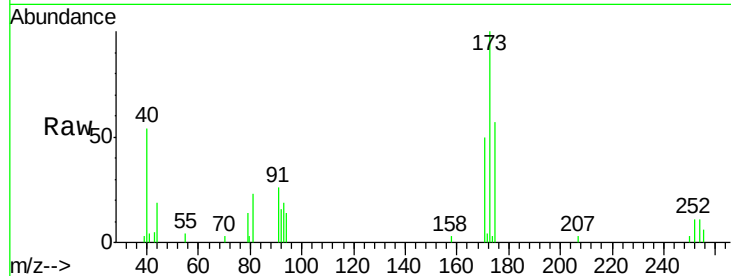
#71  
Bromoform  
Concen: 4.074 ug/l  
RT: 12.36 min Scan# 1775  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 51.7  | 24.2  | 72.6  |
| 254     | 0.0   | 0.0   | 0.0   |

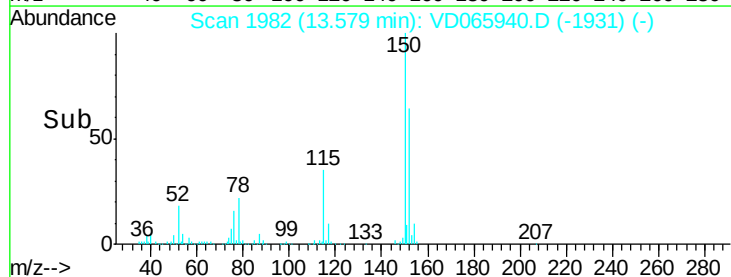
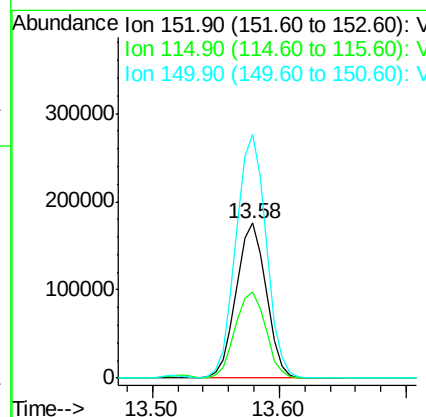
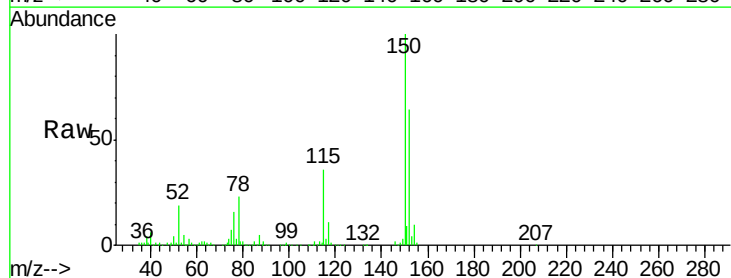
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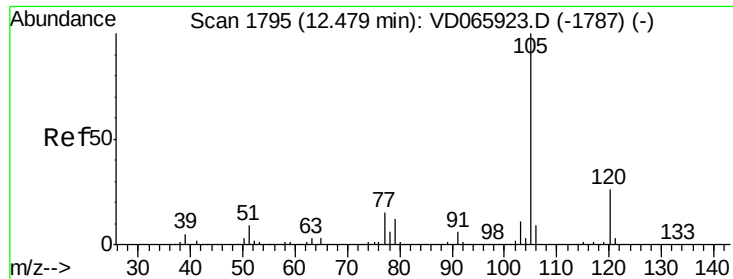


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.4  | 27.8  | 83.3  |
| 150     | 158.4 | 0.0   | 347.2 |







#73

Isopropylbenzene

Concen: 3.685 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion: 105 Resp: 73968

Ion Ratio Lower Upper

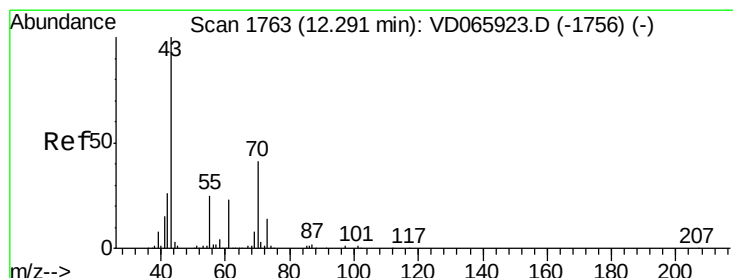
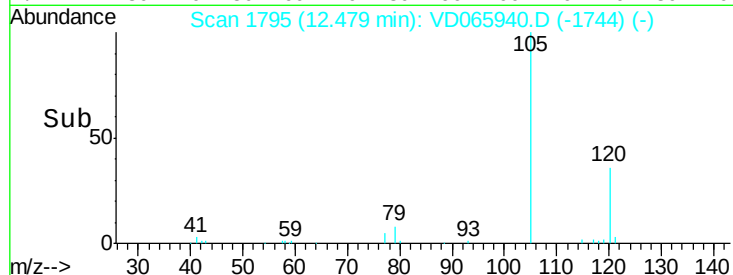
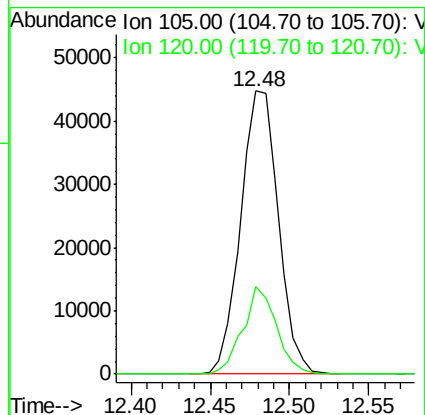
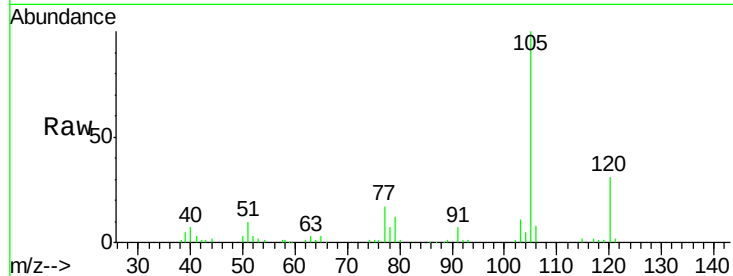
105 100

120 27.5 13.3 39.8

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#74

N-ethyl acetate

Concen: 3.482 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Tgt Ion: 43 Resp: 15684

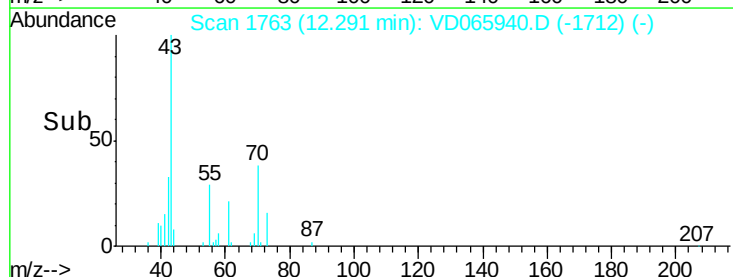
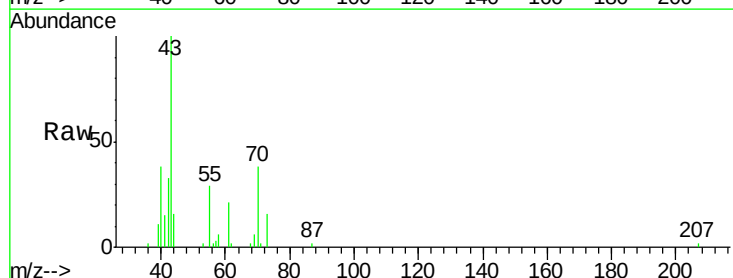
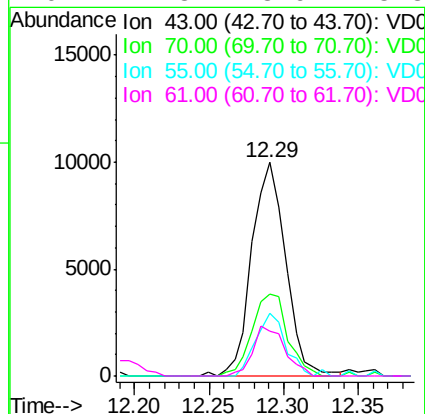
Ion Ratio Lower Upper

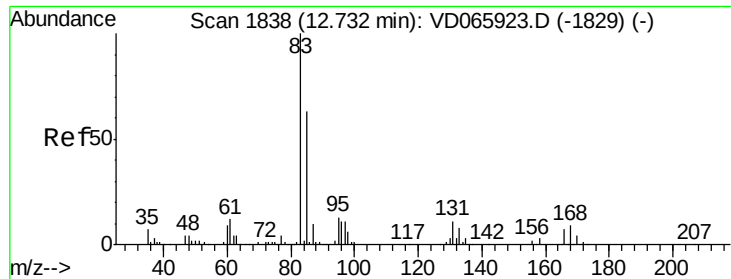
43 100

70 40.6 33.6 50.4

55 25.7 20.1 30.1

61 21.8 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 3.672 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

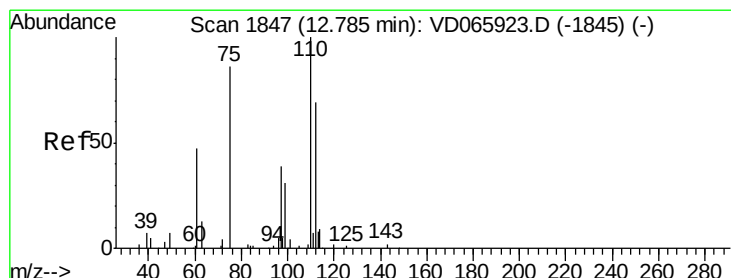
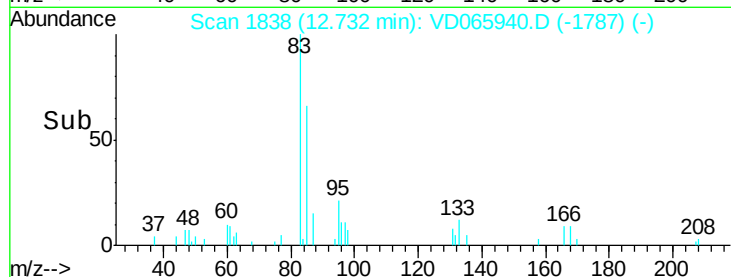
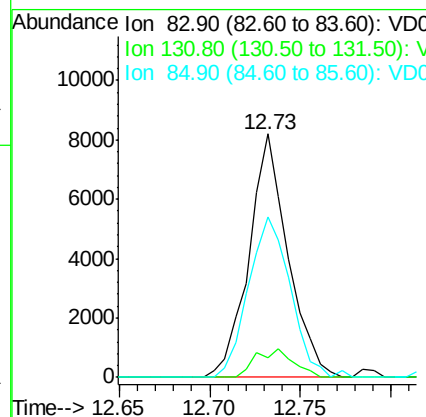
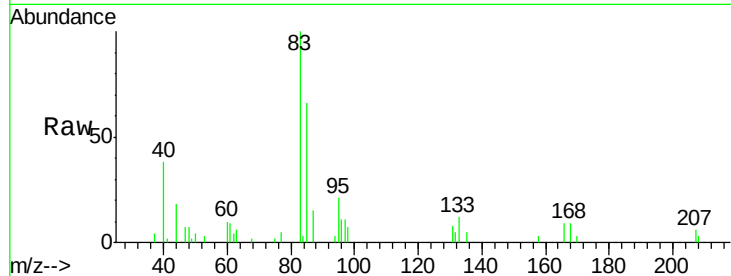
ClientSampleId :

MDL-SOIL-03-QT3-2020DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 12237 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.6  | 5.6   | 16.8  |
| 85        | 71.1  | 32.6  | 98.0  |

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#76

1,2,3-Trichloropropane

Concen: 3.586 ug/l m

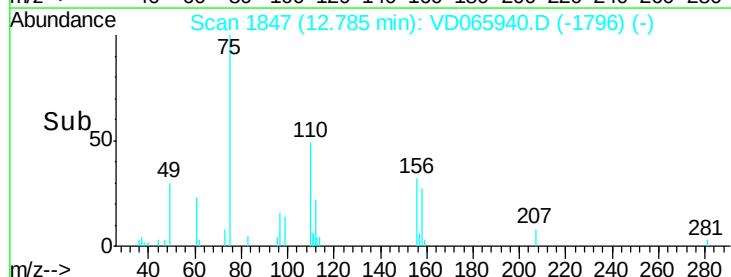
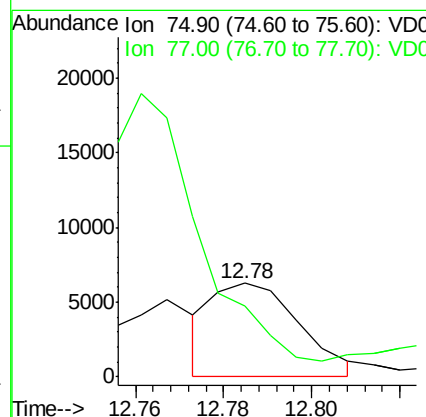
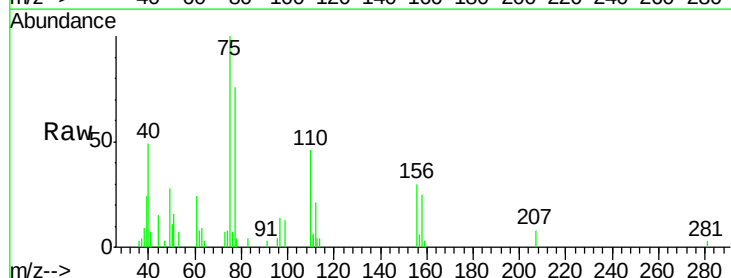
RT: 12.78 min Scan# 1847

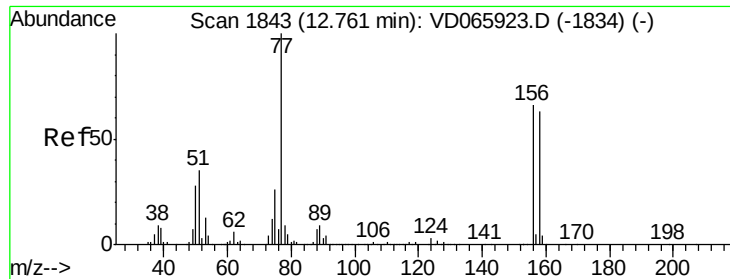
Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 8651 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 77        | 0.0   | 0.0   | 0.0  |





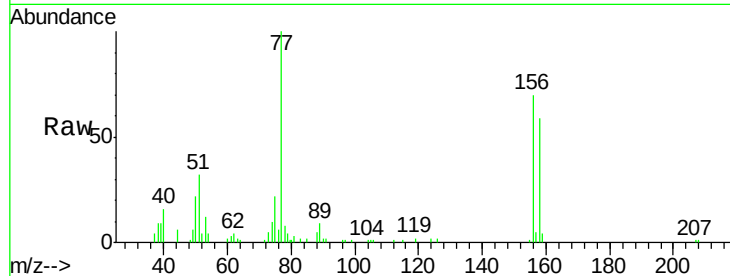
#77  
Bromobenzene  
Concen: 4.180 ug/l  
RT: 12.76 min Scan# 1843  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

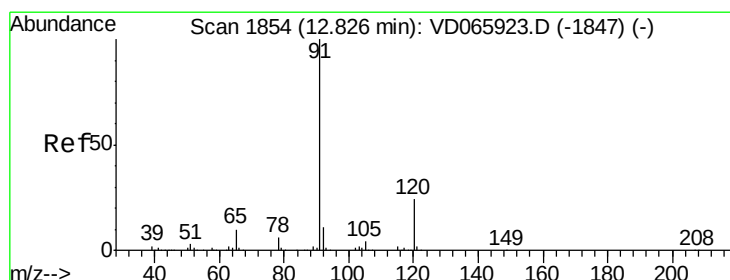
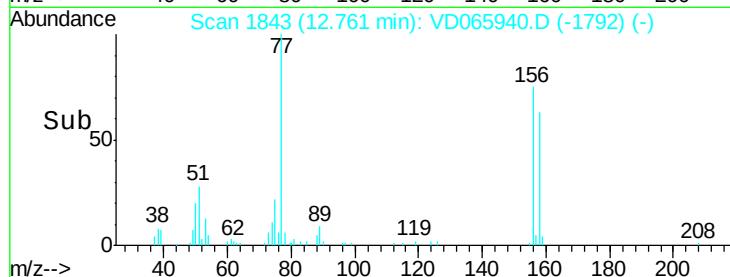
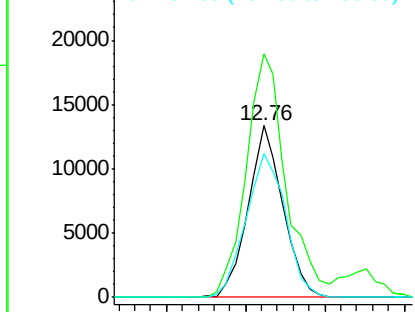
Tot Ion:156 Resp: 20347  
Ion Ratio Lower Upper  
156 100  
77 162.2 85.0 255.0  
158 94.7 49.0 147.0

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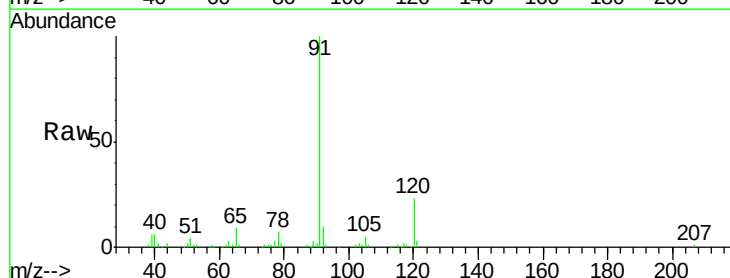


Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): V  
Ion 157.80 (157.50 to 158.50): V

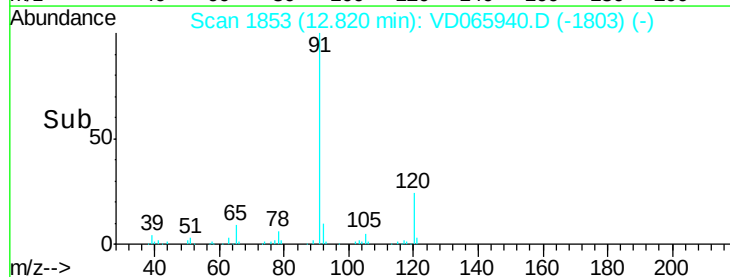
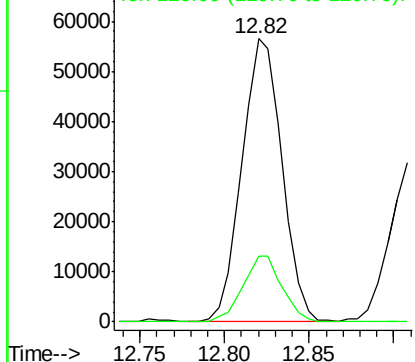


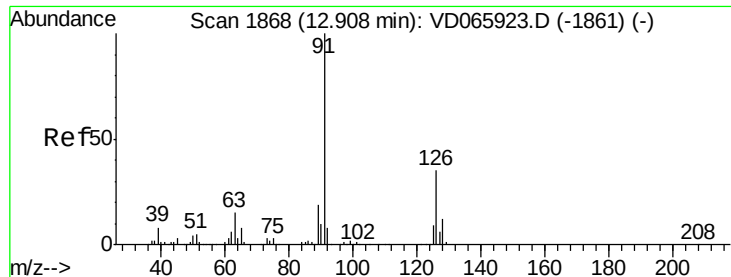
#78  
n-propylbenzene  
Concen: 3.971 ug/l  
RT: 12.82 min Scan# 1853  
Delta R.T. -0.01 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Tgt Ion: 91 Resp: 93450  
Ion Ratio Lower Upper  
91 100  
120 22.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 3.891 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion: 91 Resp: 51946

Ion Ratio Lower Upper

91 100

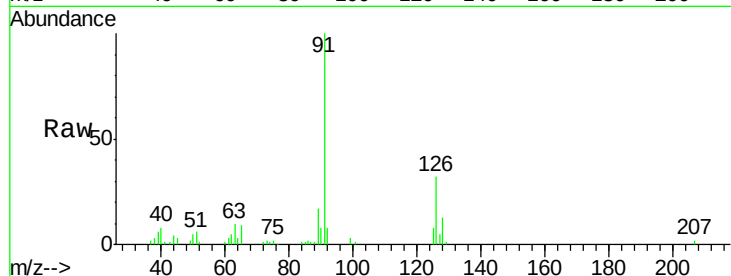
126 35.6 17.6 52.8

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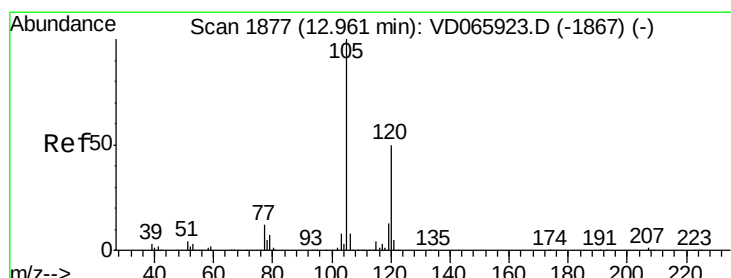
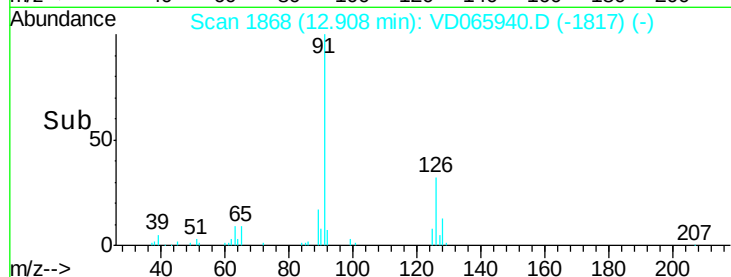
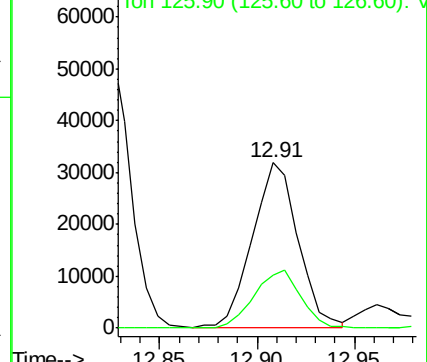
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Abundance Ion 91.00 (90.70 to 91.70): VD065923.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.734 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065940.D

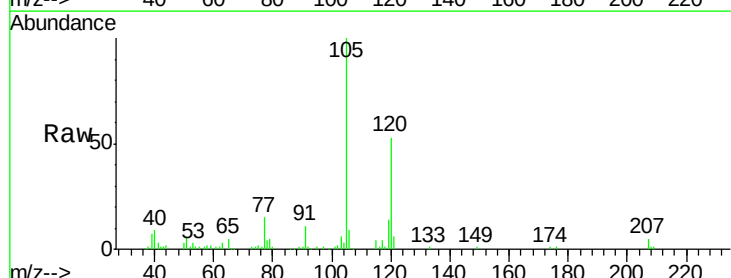
Acq: 08 Jul 2020 15:10

Tgt Ion: 105 Resp: 61305

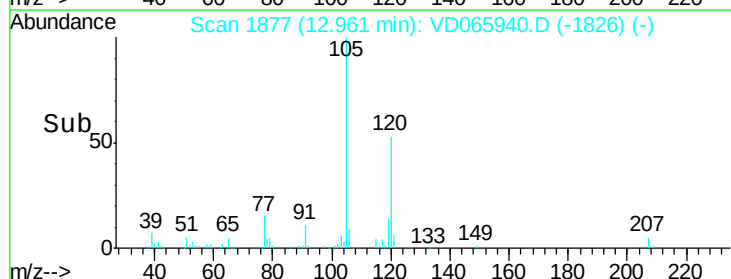
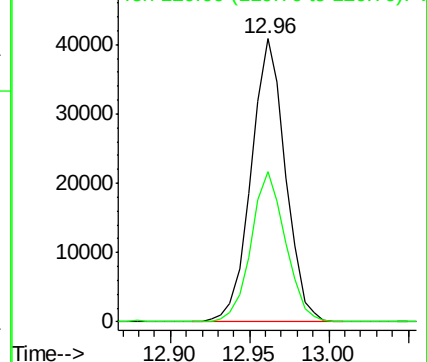
Ion Ratio Lower Upper

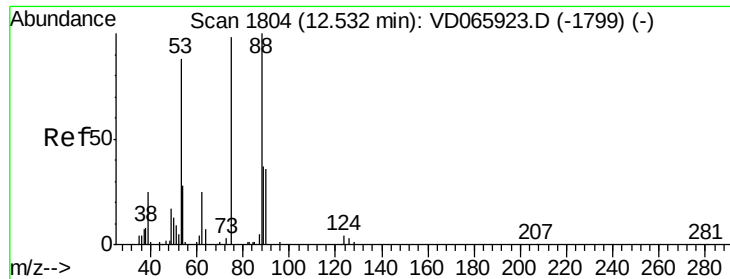
105 100

120 52.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065923.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3.768 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

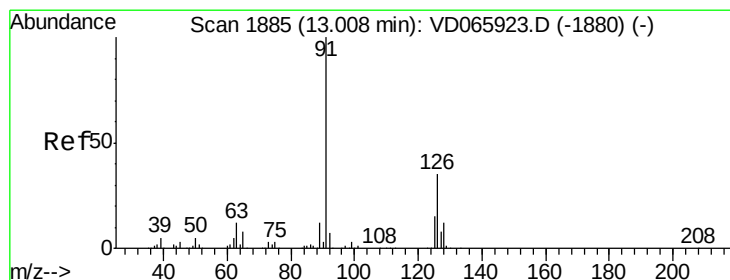
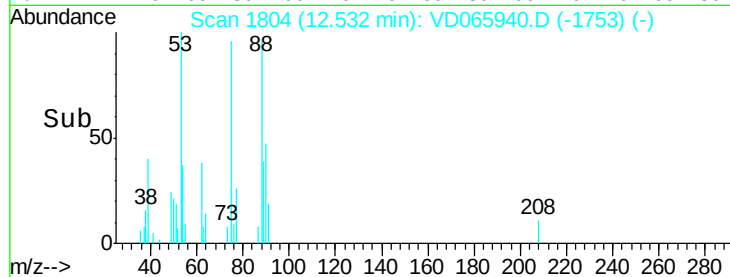
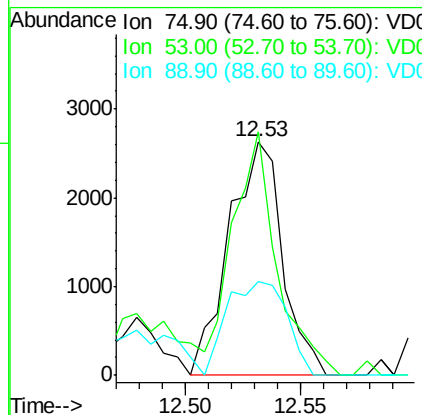
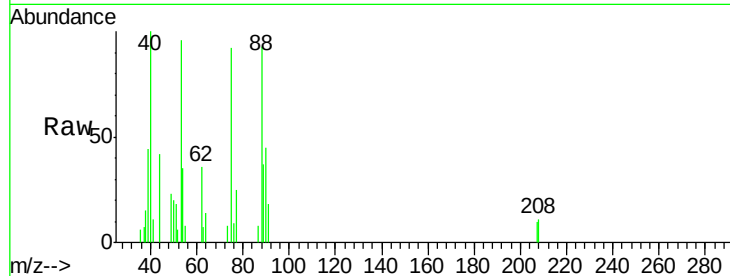
ClientSampleId :

MDL-SOIL-03-QT3-2020DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 4231  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 86.6  | 75.8  | 113.8 |
| 89       | 44.9  | 37.5  | 56.3  |

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#82

4-Chlorotoluene

Concen: 3.915 ug/l

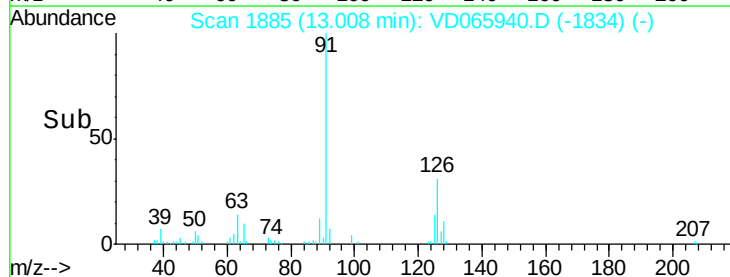
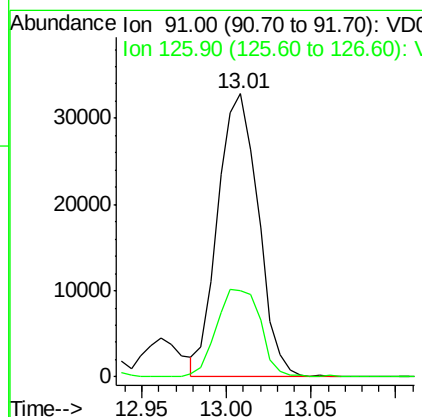
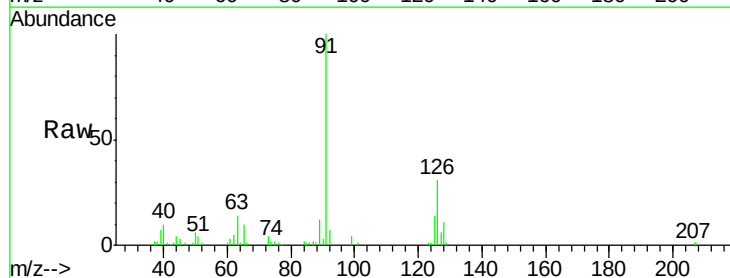
RT: 13.01 min Scan# 1885

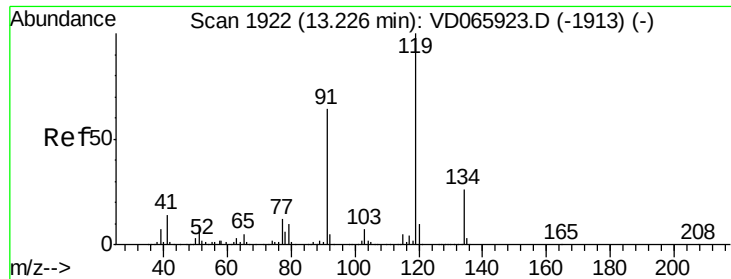
Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 54831 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 33.6  | 17.3  | 51.7  |





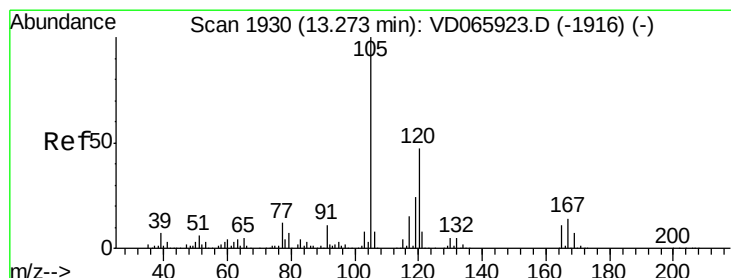
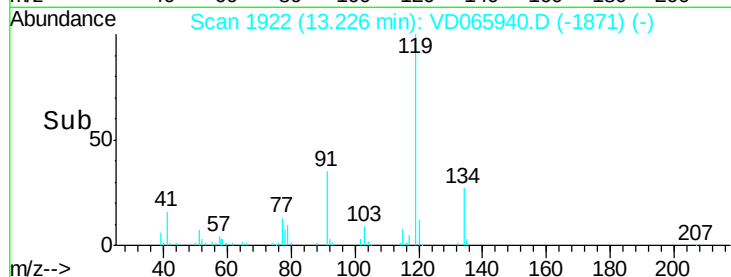
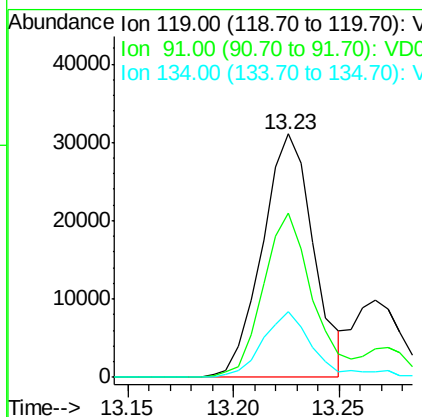
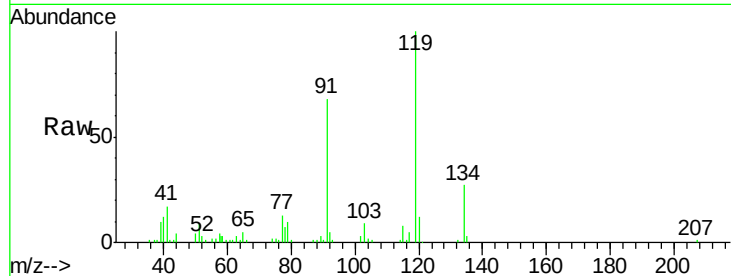
#83  
tert-Butylbenzene  
Concen: 3.746 ug/l  
RT: 13.23 min Scan# 1922  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.9  | 32.4  | 97.2  |
| 134     | 27.3  | 14.1  | 42.4  |

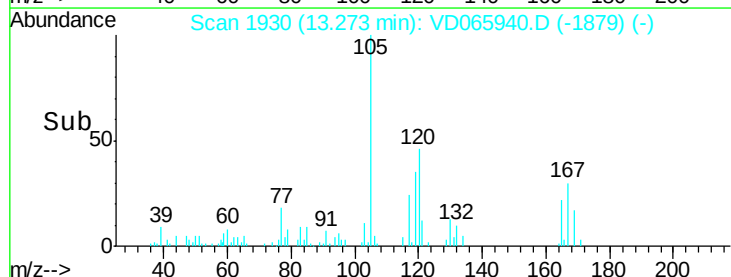
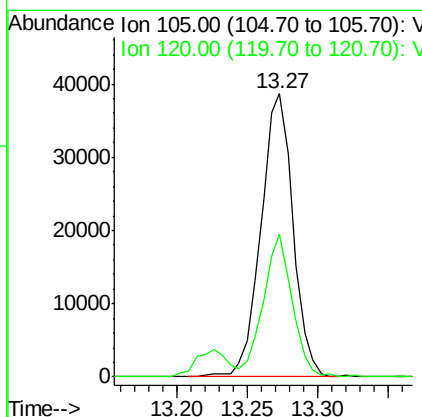
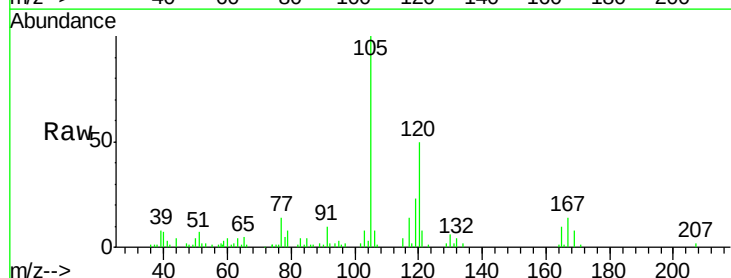
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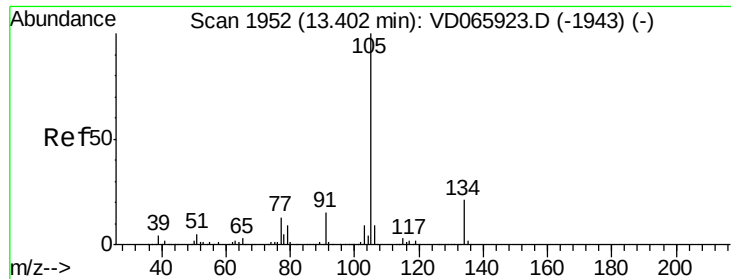
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#84  
1,2,4-Trimethylbenzene  
Concen: 3.776 ug/l  
RT: 13.27 min Scan# 1930  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.5  | 23.2  | 69.5  |





#85

sec-Butylbenzene

Concen: 3.745 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT3-2020DL

Tot Ion:105 Resp: 74232

Ion Ratio Lower Upper

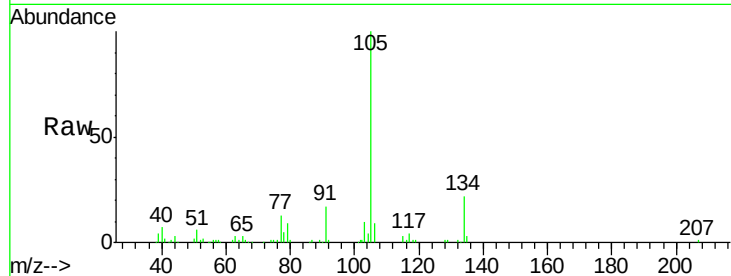
105 100

134 21.0 10.4 31.1

Manual Integrations  
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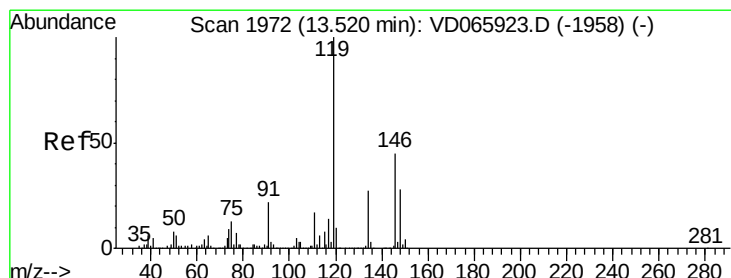
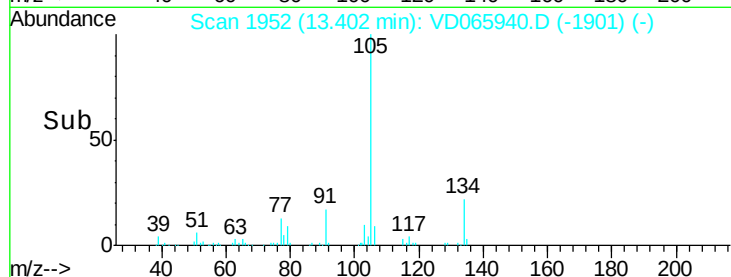
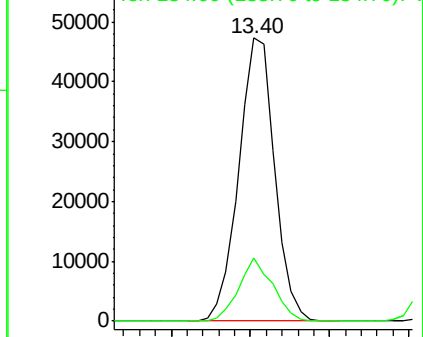
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.686 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

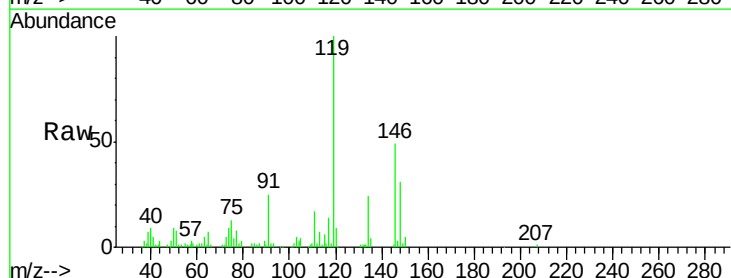
Tgt Ion:119 Resp: 66828

Ion Ratio Lower Upper

119 100

134 25.2 13.4 40.1

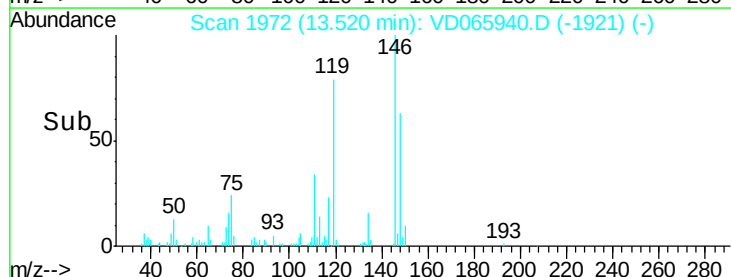
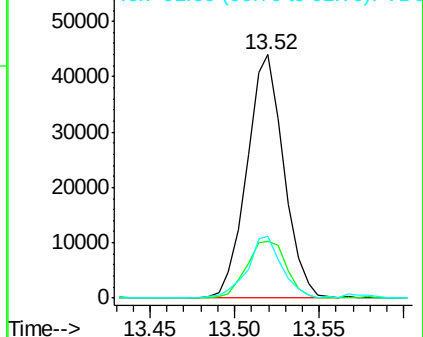
91 23.8 11.3 33.8

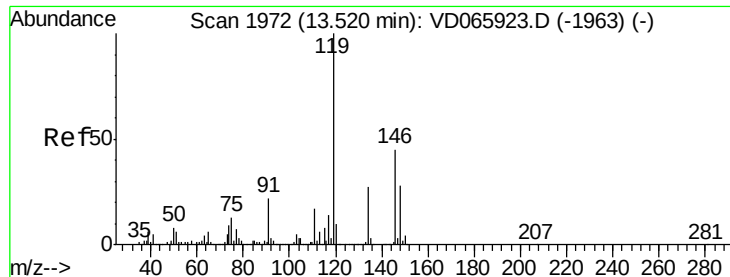


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





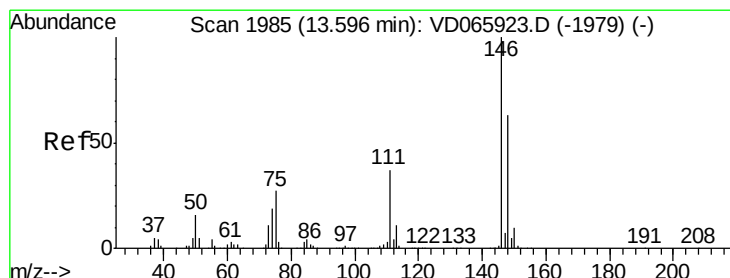
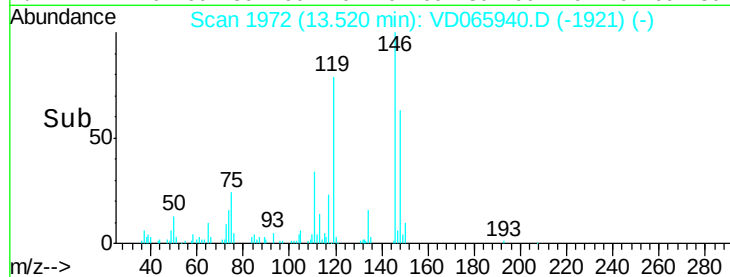
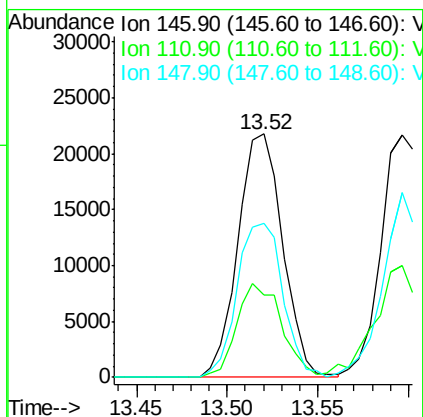
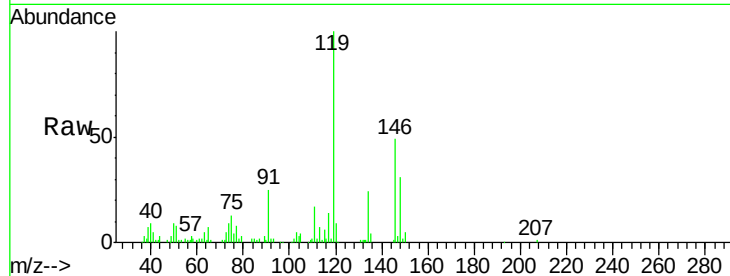
#87  
1,3-Dichlorobenzene  
Concen: 4.098 ug/l  
RT: 13.52 min Scan# 1972  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.8  | 19.3  | 57.8  |
| 148     | 64.8  | 32.0  | 96.0  |

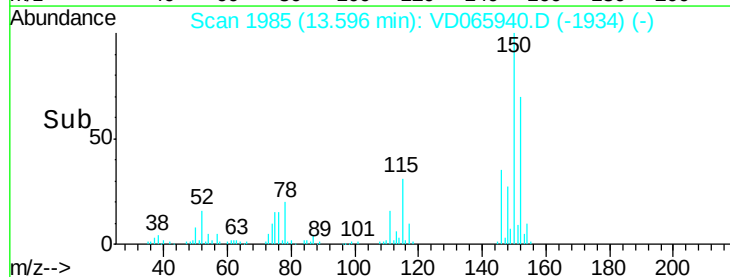
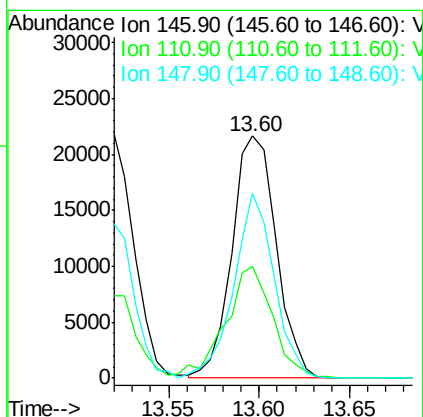
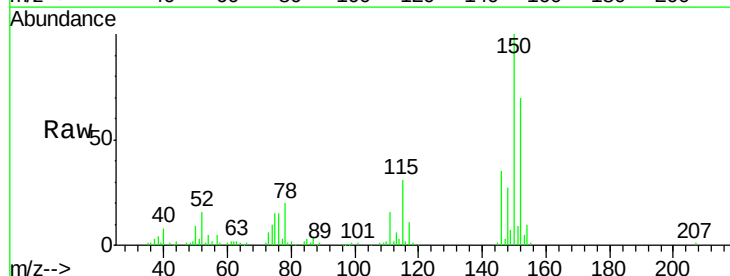
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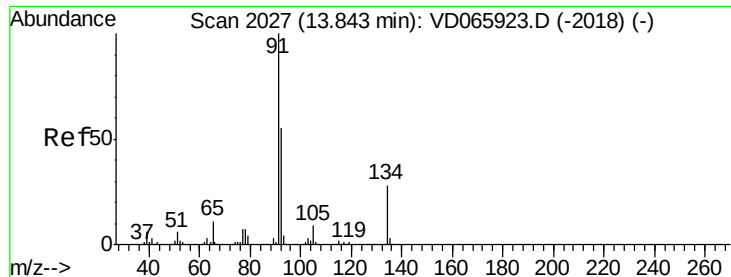


#88  
1,4-Dichlorobenzene  
Concen: 4.054 ug/l  
RT: 13.60 min Scan# 1985  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 49.1  | 18.9  | 56.7  |
| 148     | 69.7  | 32.1  | 96.3  |







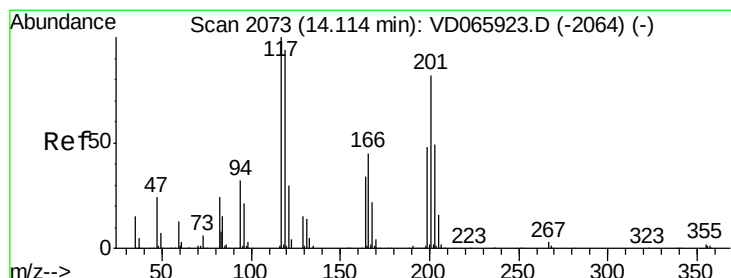
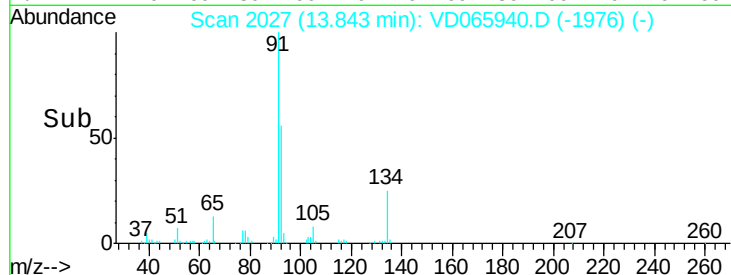
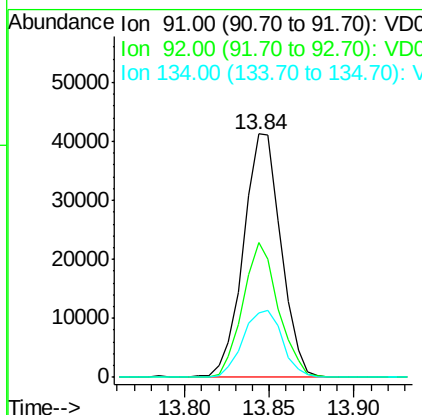
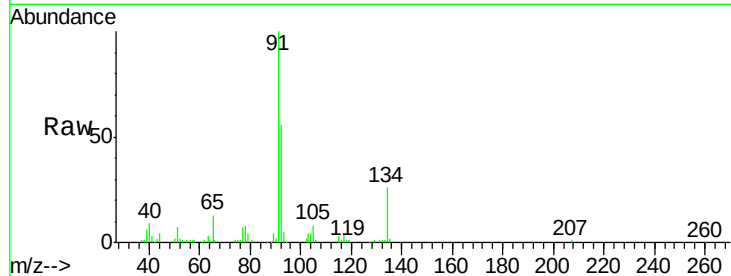
#89  
n-Butylbenzene  
Concen: 3.761 ug/l  
RT: 13.84 min Scan# 2027  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.5  | 27.2  | 81.6  |
| 134     | 28.6  | 13.8  | 41.3  |

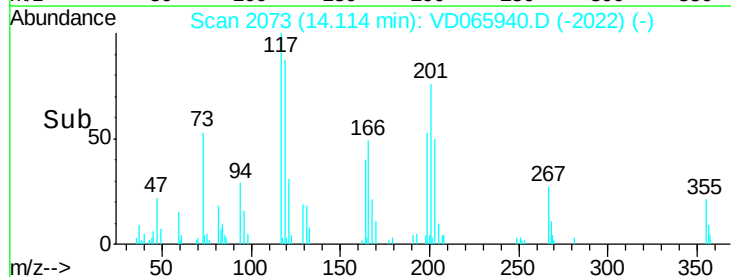
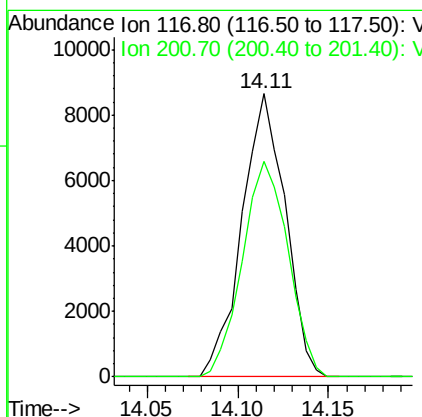
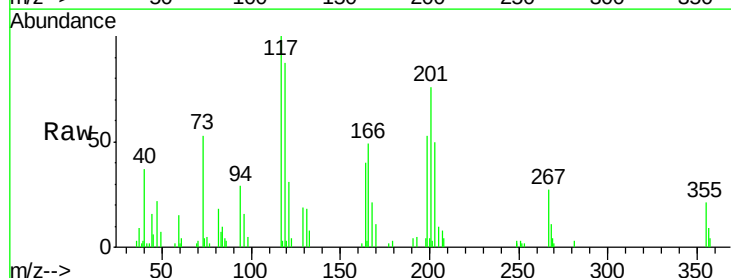
Manual Integrations  
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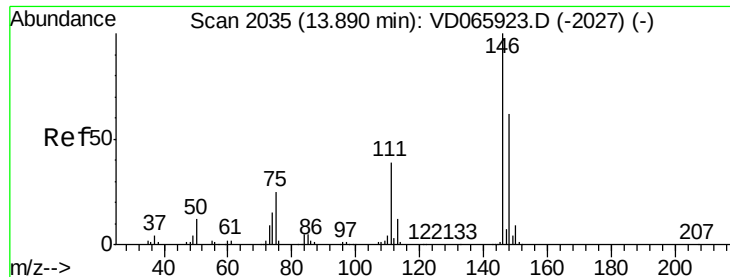
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#90  
Hexachloroethane  
Concen: 3.941 ug/l  
RT: 14.11 min Scan# 2073  
Delta R.T. 0.00 min  
Lab File: VD065940.D  
Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 80.1  | 40.0  | 120.0 |





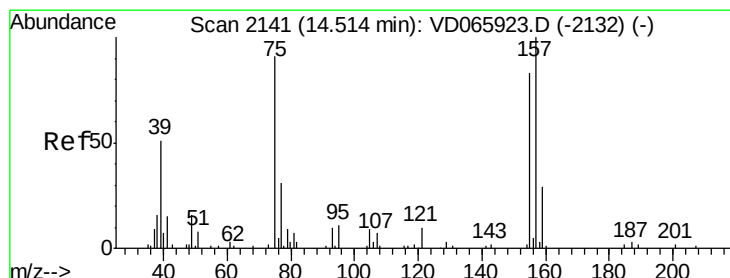
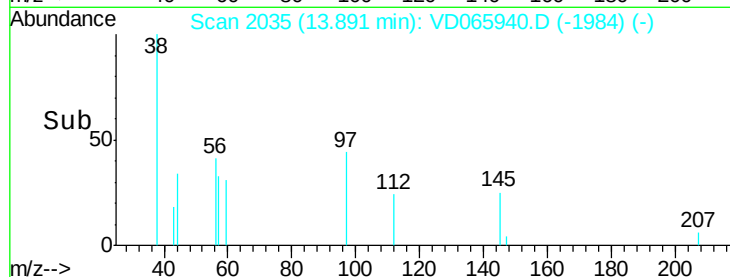
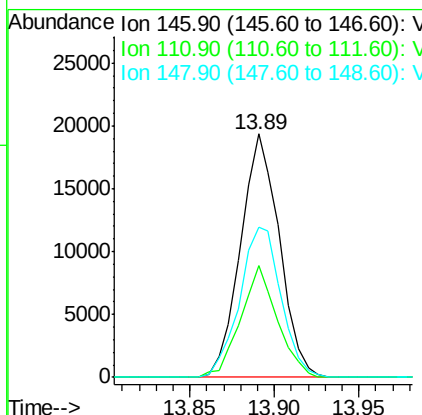
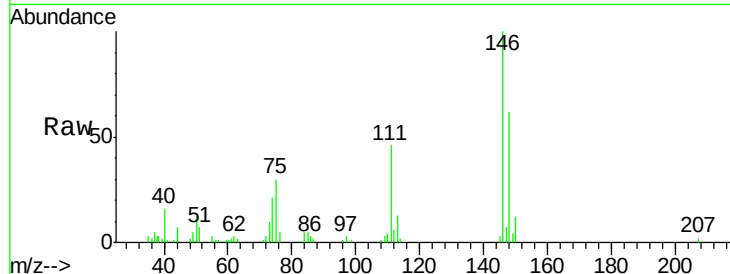
#91  
 1,2-Dichlorobenzene  
 Concen: 3.877 ug/l  
 RT: 13.89 min Scan# 2035  
 Delta R.T. 0.00 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.5  | 19.7  | 59.0  |
| 148     | 65.9  | 32.5  | 97.5  |

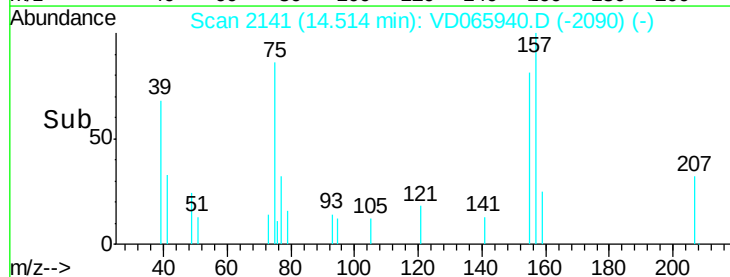
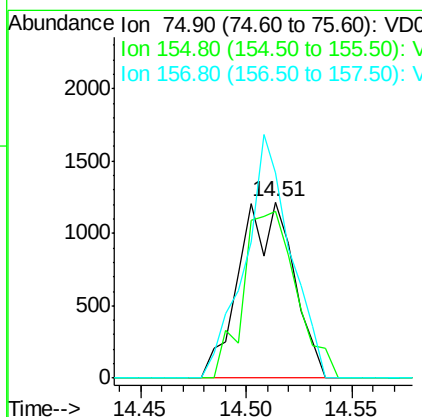
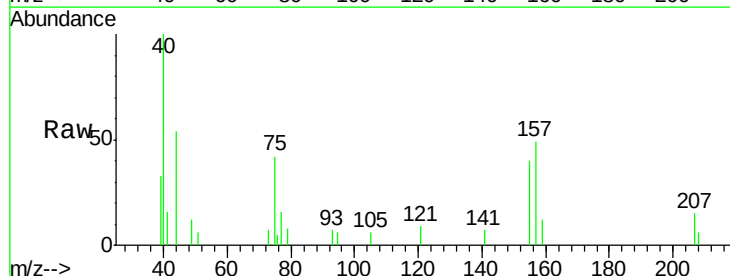
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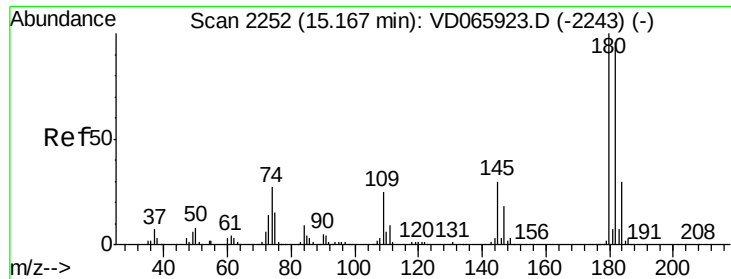
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 3.862 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. 0.00 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 93.4  | 45.3  | 135.8 |
| 157     | 117.3 | 56.9  | 170.6 |





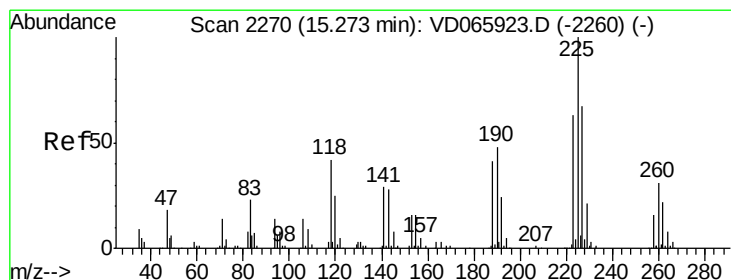
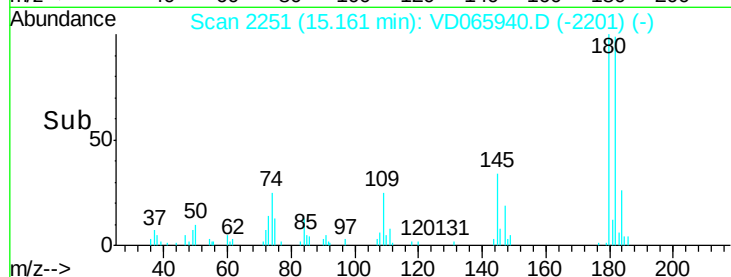
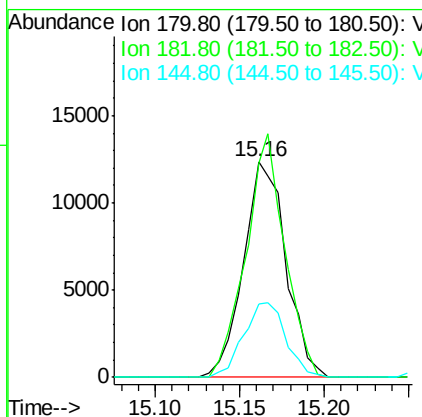
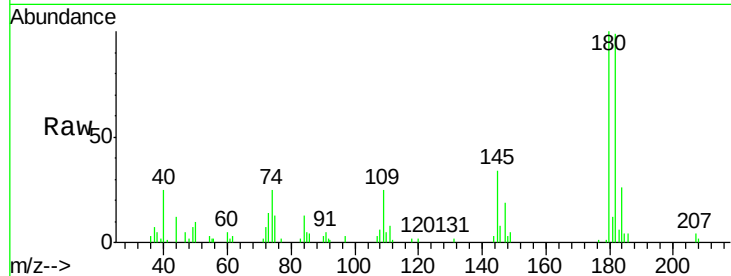
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.825 ug/l  
 RT: 15.16 min Scan# 2251  
 Delta R.T. -0.01 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 103.1 | 48.5  | 145.6 |
| 145     | 34.2  | 15.0  | 45.1  |

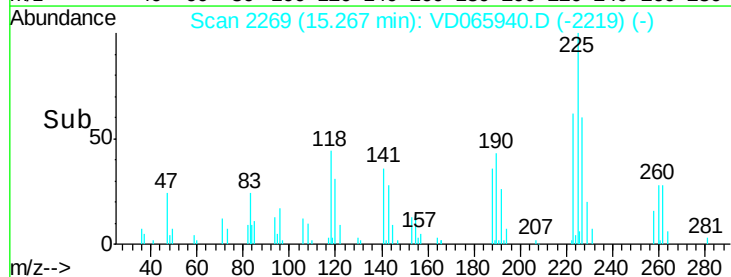
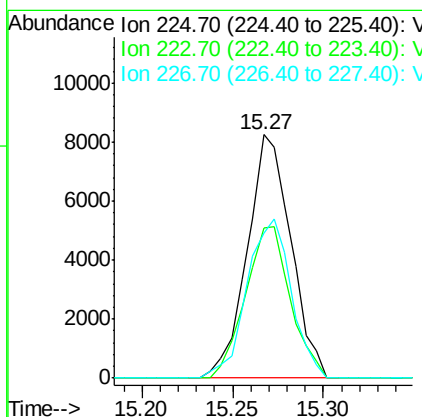
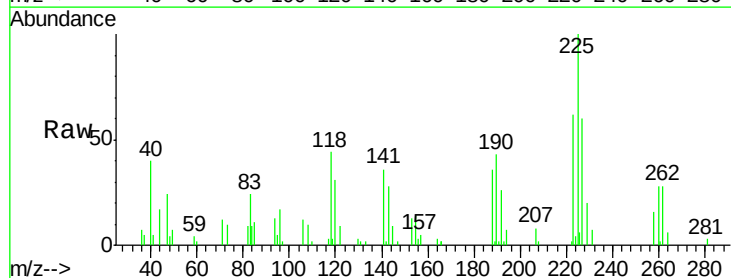
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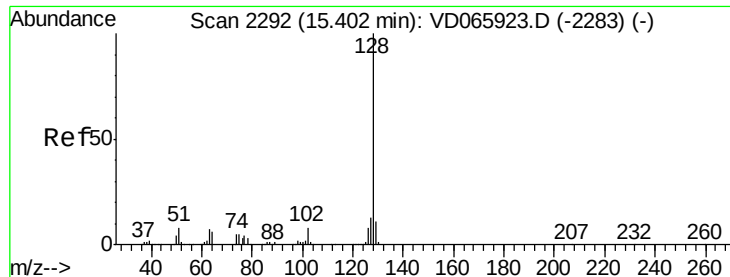
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 7/9/2020 10:48:21 AM



#94  
 Hexachlorobutadiene  
 Concen: 4.016 ug/l  
 RT: 15.27 min Scan# 2269  
 Delta R.T. -0.01 min  
 Lab File: VD065940.D  
 Acq: 08 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.2  | 31.1  | 93.2  |
| 227     | 66.7  | 31.6  | 95.0  |





#95

Naphthalene

Concen: 3.432 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

Instrument :

MSVOA\_D

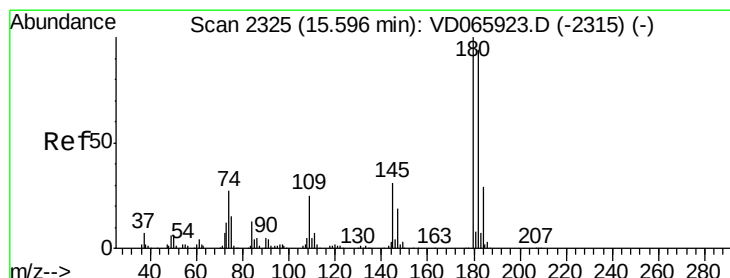
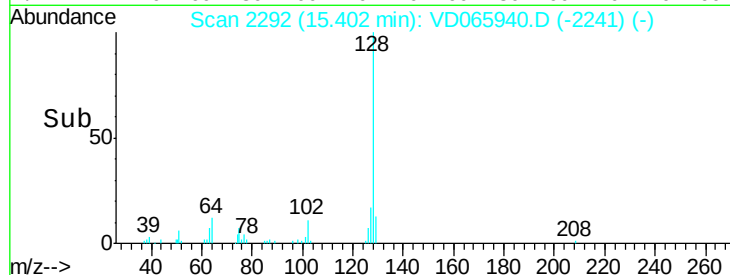
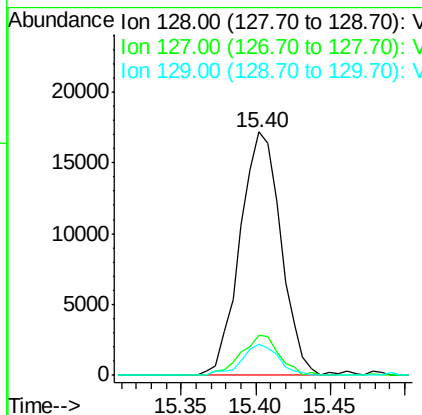
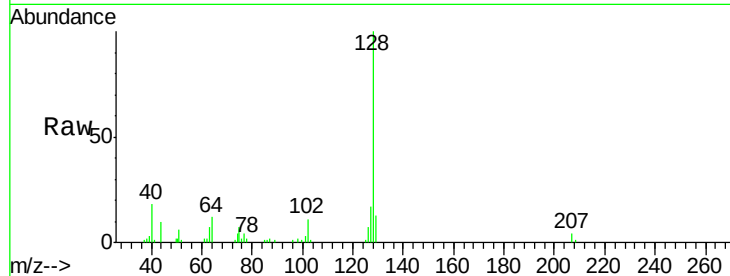
ClientSampleId :

MDL-SOIL-03-QT3-2020DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 32661 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 15.4  | 10.8  | 16.2  |
| 129       | 11.4  | 8.9   | 13.3  |

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#96

1,2,3-Trichlorobenzene

Concen: 4.023 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD065940.D

Acq: 08 Jul 2020 15:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 19691 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.6  | 47.6  | 142.8 |
| 145       | 29.3  | 16.1  | 48.2  |

