

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\  
 Data File : VD065930.D  
 Acq On : 07 Jul 2020 19:32  
 Operator : VA/SY  
 Sample : L3216-01 2.5PPBLOD  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations  
 APPROVED

MMDadoda  
 7/8/2020 12:05:19 PM

Quant Time: Jul 08 10:07:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 09:45:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 387307   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 613444   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 567032   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 271798   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 182881   | 53.28 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.56% |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 191581   | 50.63 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.26% |      |
| 50) Toluene-d8            | 10.34  | 98  | 695269   | 50.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.70% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 244024   | 51.47 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.94% |      |

## Target Compounds

|                               |      |     |       |        |        | Qvalue |
|-------------------------------|------|-----|-------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 11326 | 3.289  | ug/l   | 93     |
| 3) Chloromethane              | 2.21 | 50  | 10288 | 3.014  | ug/l   | 96     |
| 4) Vinyl Chloride             | 2.35 | 62  | 8858  | 2.826  | ug/l   | 90     |
| 5) Bromomethane               | 2.77 | 94  | 6073  | 3.059  | ug/l   | 100    |
| 6) Chloroethane               | 2.93 | 64  | 5726  | 3.056  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.28 | 101 | 23422 | 3.487  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.70 | 74  | 5901  | 3.202  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.10 | 101 | 13384 | 3.331  | ug/l   | 96     |
| 10) Methyl Iodide             | 4.30 | 142 | 10437 | 2.735  | ug/l   | 96     |
| 11) Tert butyl alcohol        | 5.20 | 59  | 9504m | 38.610 | ug/l   |        |
| 12) 1,1-Dichloroethene        | 4.08 | 96  | 11975 | 3.190  | ug/l   | 82     |
| 13) Acrolein                  | 3.93 | 56  | 3250  | 16.048 | ug/l # | 64     |
| 14) Allyl chloride            | 4.73 | 41  | 19104 | 3.003  | ug/l # | 25     |
| 15) Acrylonitrile             | 5.42 | 53  | 12343 | 15.298 | ug/l   | 99     |
| 16) Acetone                   | 4.16 | 43  | 12322 | 15.318 | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.41 | 76  | 36842 | 3.080  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.73 | 43  | 7065  | 3.747  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.47 | 73  | 23783 | 2.993  | ug/l # | 89     |
| 20) Methylene Chloride        | 4.96 | 84  | 54131 | 9.473  | ug/l   | 93     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 13524 | 3.202  | ug/l   | 99     |
| 22) Diisopropyl ether         | 6.37 | 45  | 34365 | 2.875  | ug/l   | 94     |
| 23) Vinyl Acetate             | 6.30 | 43  | 87080 | 12.762 | ug/l   | 95     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 21615 | 3.032  | ug/l   | 96     |
| 25) 2-Butanone                | 7.21 | 43  | 18258 | 17.177 | ug/l   | 91     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 21380 | 3.429  | ug/l   | 88     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 13722 | 3.024  | ug/l   | 91     |
| 28) Bromochloromethane        | 7.54 | 49  | 7342  | 2.727  | ug/l # | 11     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 9300  | 13.759 | ug/l   | 92     |
| 30) Chloroform                | 7.71 | 83  | 21396 | 2.961  | ug/l   | 98     |
| 31) Cyclohexane               | 7.98 | 56  | 26897 | 3.835  | ug/l # | 55     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 19518 | 2.960  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 18844 | 3.110  | ug/l   | 94     |
| 37) Ethyl Acetate             | 7.29 | 43  | 6443m | 2.538  | ug/l   |        |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 19186 | 2.954  | ug/l # | 83     |

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 Sample : L3216-01 2.5PPBL0D  
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 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations  
 APPROVED

MMDadoda  
 7/8/2020 12:05:19 PM

Quant Time: Jul 08 10:07:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 09:45:47 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 21719    | 2.920  | ug/l # | 90       |
| 40) Benzene                    | 8.35  | 78   | 49038    | 2.930  | ug/l   | 96       |
| 41) Methacrylonitrile          | 7.53  | 41   | 3997m    | 2.712  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 14174    | 2.989  | ug/l   | 95       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 13826    | 2.926  | ug/l # | 59       |
| 44) Trichloroethene            | 9.12  | 130  | 14430    | 2.934  | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 12713    | 3.060  | ug/l   | 99       |
| 46) Dibromomethane             | 9.47  | 93   | 6167     | 2.851  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.66  | 83   | 16890    | 2.911  | ug/l # | 96       |
| 48) Methyl methacrylate        | 9.46  | 41   | 6697     | 2.815  | ug/l # | 90       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 1283     | 49.925 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 32402    | 13.564 | ug/l   | 98       |
| 52) Toluene                    | 10.40 | 92   | 31186    | 2.929  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 15411    | 2.825  | ug/l   | 90       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 17526    | 2.659  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 9021     | 3.027  | ug/l # | 91       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 9702     | 2.666  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 14411    | 2.765  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 25933    | 14.712 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.99 | 43   | 21476    | 13.072 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.14 | 129  | 12174    | 2.990  | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 8023     | 2.700  | ug/l   | 91       |
| 64) Tetrachloroethene          | 10.88 | 164  | 14149    | 3.431  | ug/l   | 91       |
| 65) Chlorobenzene              | 11.67 | 112  | 34269    | 2.999  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 12392    | 2.899  | ug/l   | 95       |
| 67) Ethyl Benzene              | 11.75 | 91   | 60083    | 2.960  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.86 | 106  | 44723    | 5.799  | ug/l   | 96       |
| 69) o-Xylene                   | 12.18 | 106  | 19201    | 2.733  | ug/l   | 98       |
| 70) Styrene                    | 12.20 | 104  | 33504    | 2.763  | ug/l   | 98       |
| 71) Bromoform                  | 12.36 | 173  | 7010     | 2.899  | ug/l # | 94       |
| 73) Isopropylbenzene           | 12.48 | 105  | 54018    | 2.848  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.29 | 43   | 11390    | 2.676  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 9690     | 3.077  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 5210m    | 2.285  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 14722    | 3.200  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.82 | 91   | 67316    | 3.027  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 36531    | 2.896  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 46472    | 2.995  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 2679m    | 2.525  | ug/l   |          |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 41135    | 3.108  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 37509    | 2.838  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 43860    | 2.840  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.40 | 105  | 55401    | 2.957  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 49525    | 2.890  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 27525    | 3.197  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 27973    | 3.257  | ug/l   | 86       |
| 89) n-Butylbenzene             | 13.84 | 91   | 46966    | 2.919  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.11 | 117  | 11182    | 3.236  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.89 | 146  | 23054    | 3.064  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 1748     | 3.319  | ug/l   | 95       |

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Sample : L3216-01 2.5PPBL0D  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

Manual Integrations  
APPROVED

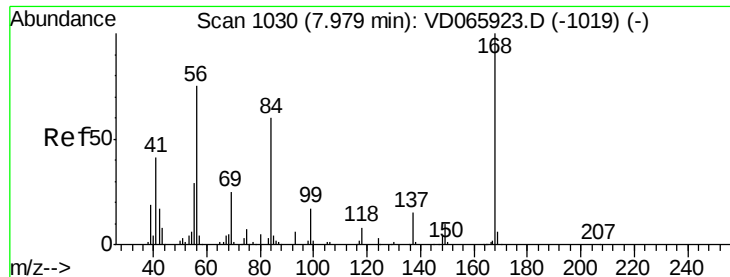
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7/8/2020 12:05:19 PM

Quant Time: Jul 08 10:07:08 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D070720S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 08 09:45:47 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 16269    | 3.034 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 10186    | 3.140 | ug/l  | 98       |
| 95) Naphthalene            | 15.40 | 128  | 27264    | 3.031 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 15994    | 3.458 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:168 Resp: 387307

Ion Ratio Lower Upper

168 100

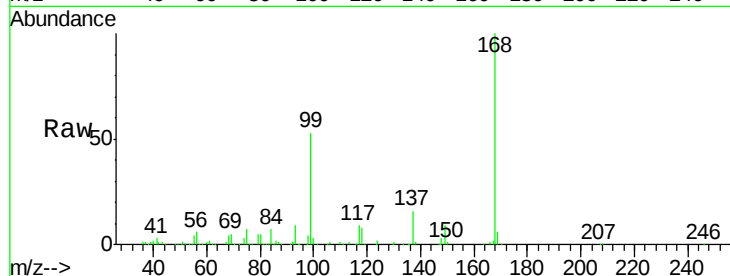
99 53.1 43.1 64.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

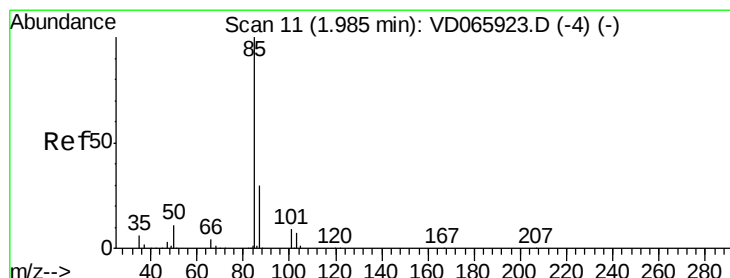
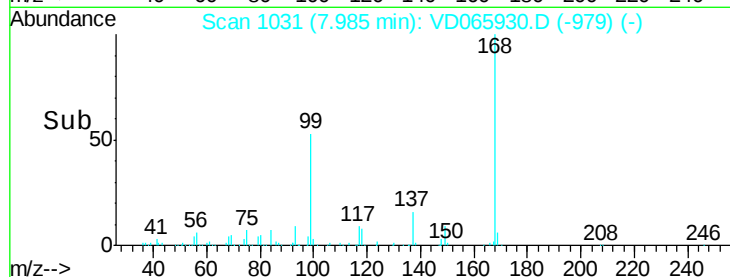
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.289 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065930.D

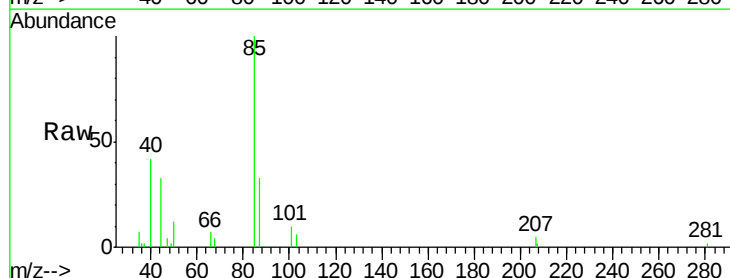
Acq: 07 Jul 2020 19:32

Tgt Ion: 85 Resp: 11326

Ion Ratio Lower Upper

85 100

87 33.5 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

10000

8000

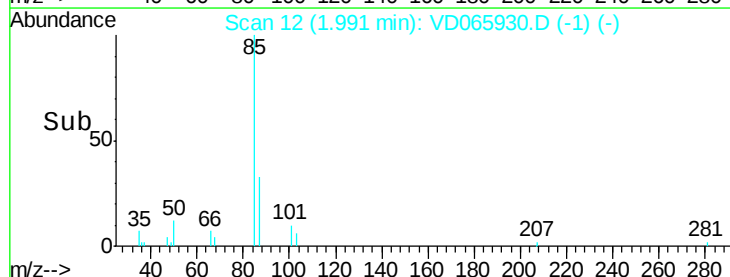
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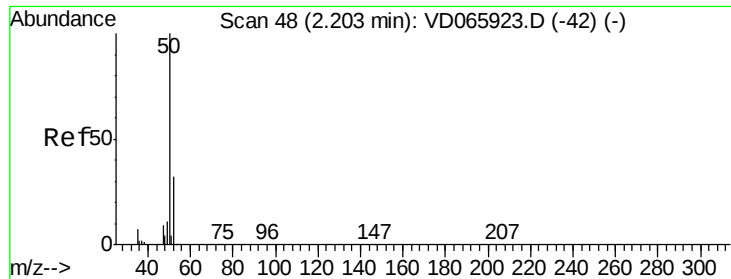
4000

2000

0

Time-->





#3

Chloromethane

Concen: 3.014 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 50 Resp: 10288

Ion Ratio Lower Upper

50 100

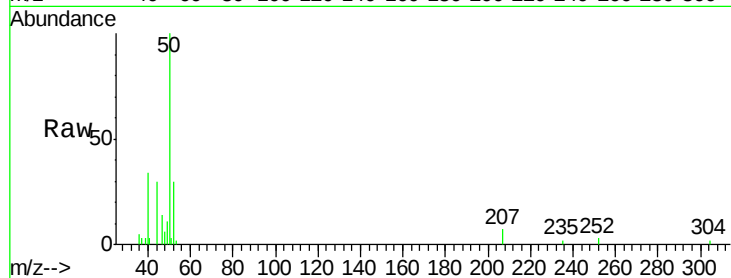
52 30.0 25.6 38.4

Manual Integrations

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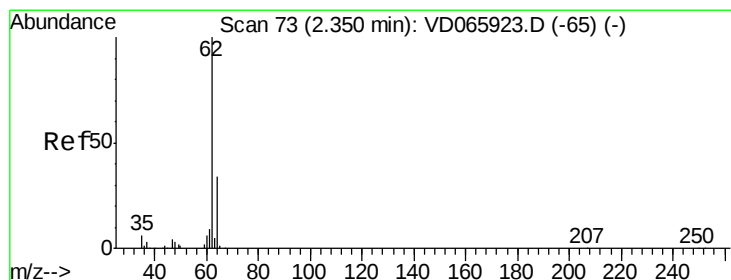
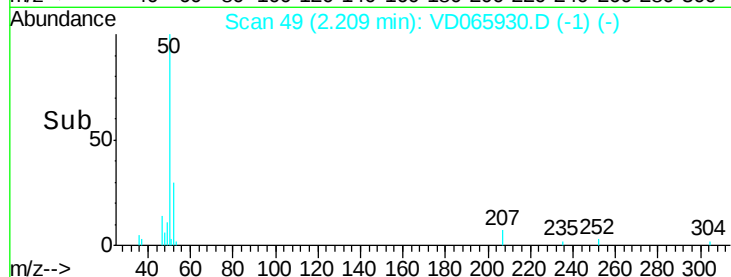
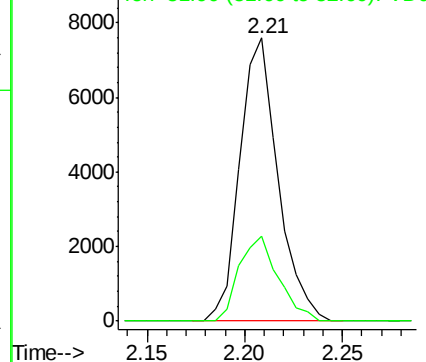
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 2.826 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065930.D

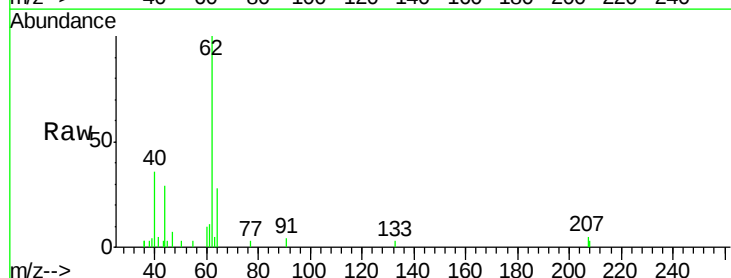
Acq: 07 Jul 2020 19:32

Tgt Ion: 62 Resp: 8858

Ion Ratio Lower Upper

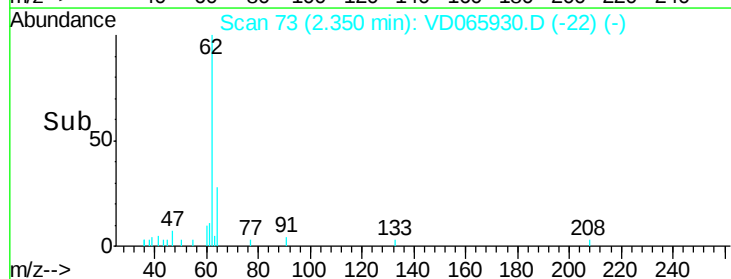
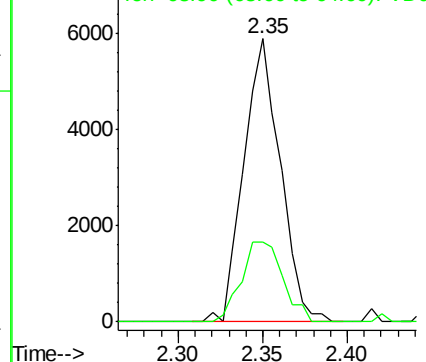
62 100

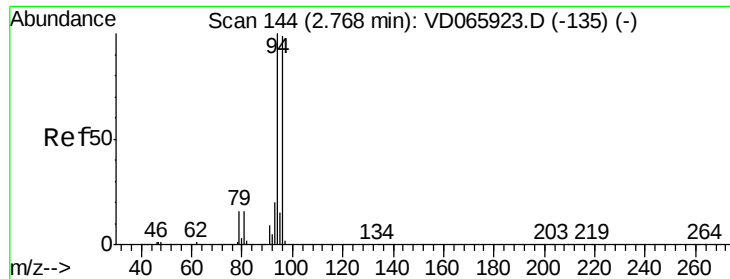
64 28.3 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 3.059 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 94 Resp: 6073

Ion Ratio Lower Upper

94 100

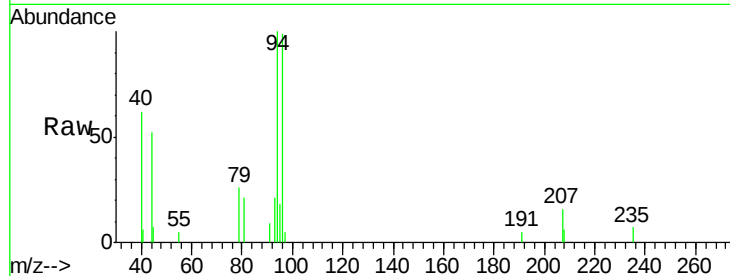
96 98.9 78.8 118.2

Manual Integrations

APPROVED

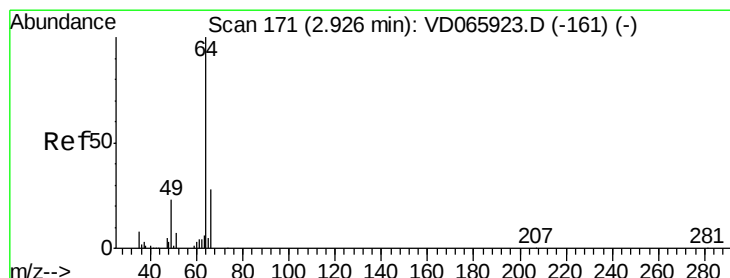
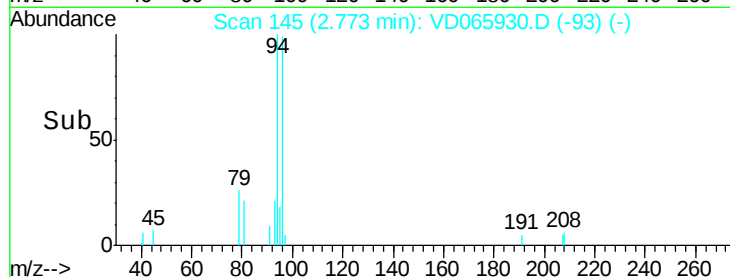
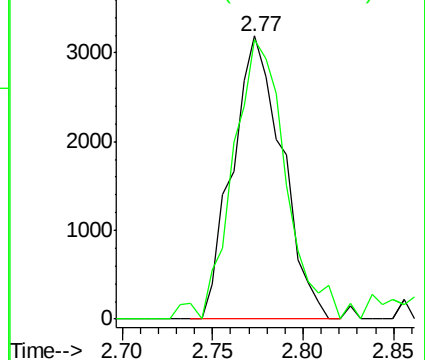
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 3.056 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065930.D

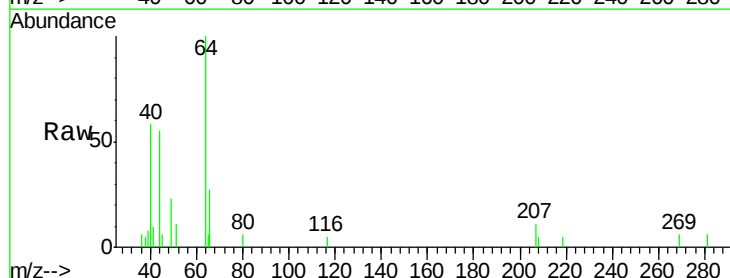
Acq: 07 Jul 2020 19:32

Tgt Ion: 64 Resp: 5726

Ion Ratio Lower Upper

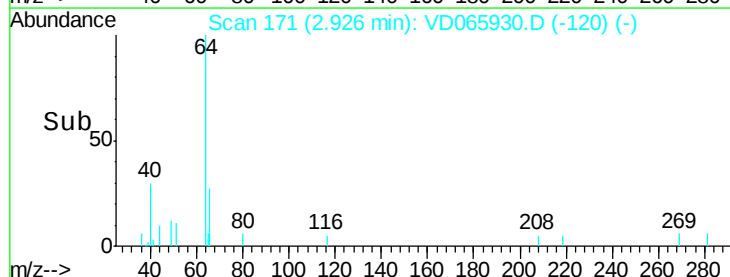
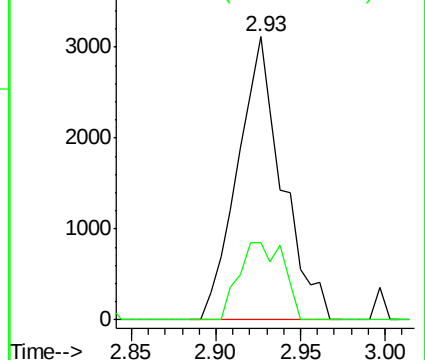
64 100

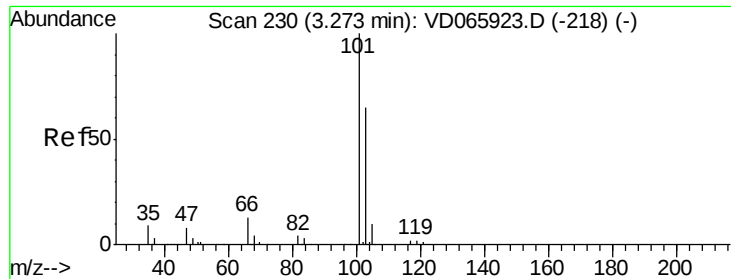
66 27.5 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

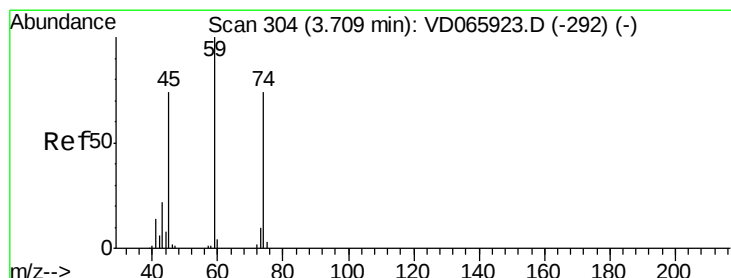
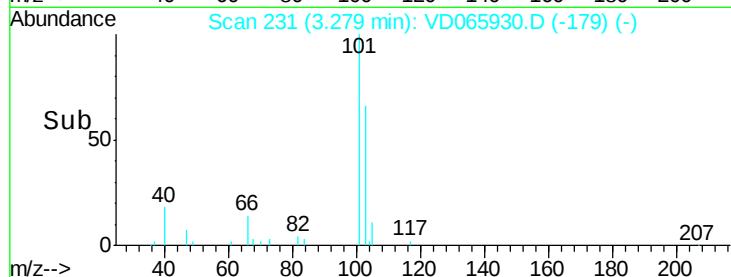
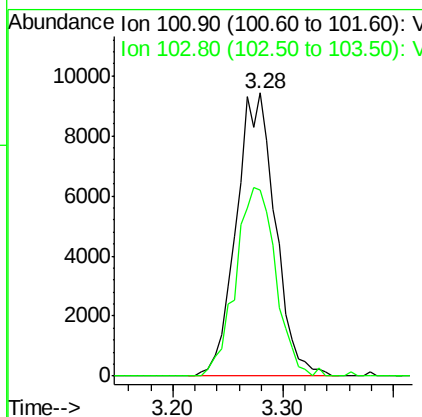
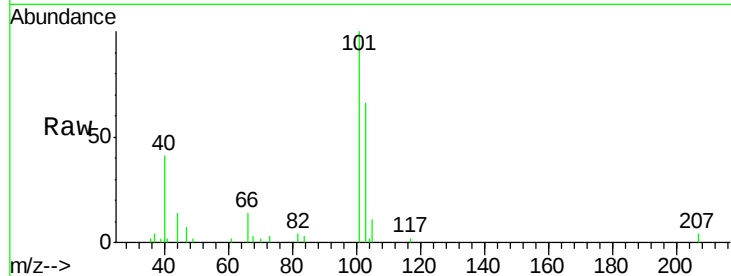
Trichlorofluoromethane  
Concen: 3.487 ug/l  
RT: 3.28 min Scan# 231  
Delta R.T. 0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.5  | 51.7  | 77.5  |

Manual Integrations  
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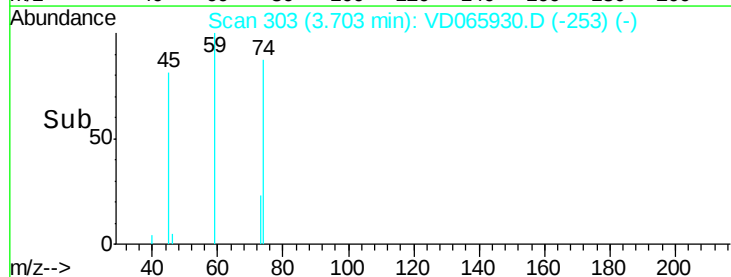
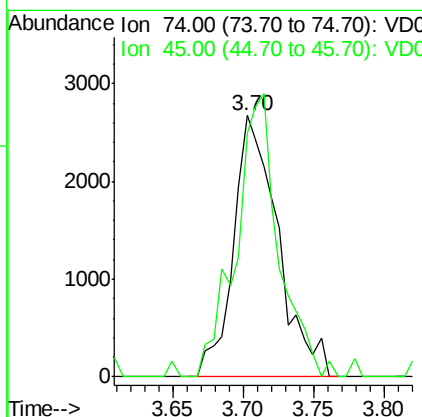
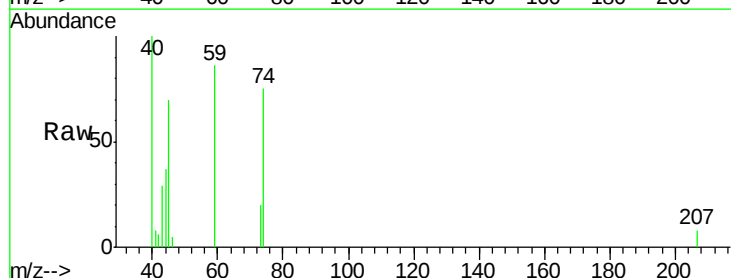
MMDadoda  
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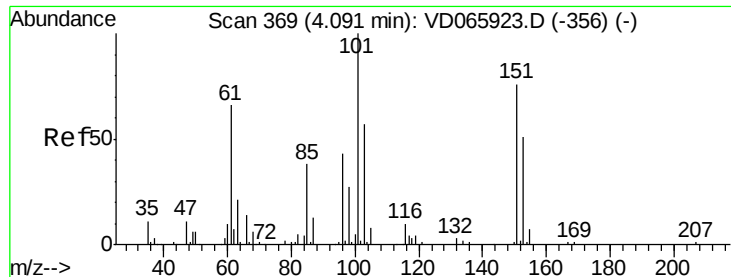


#8

Diethyl Ether  
Concen: 3.202 ug/l  
RT: 3.70 min Scan# 303  
Delta R.T. -0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 103.9 | 51.1  | 153.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.331 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

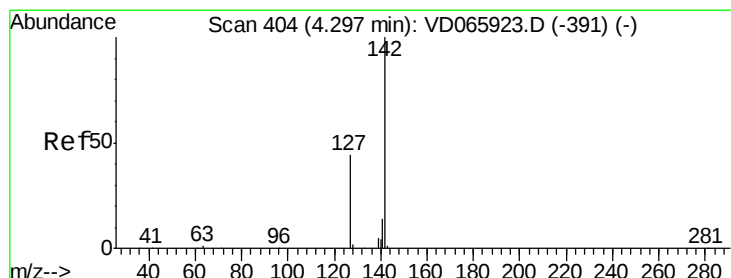
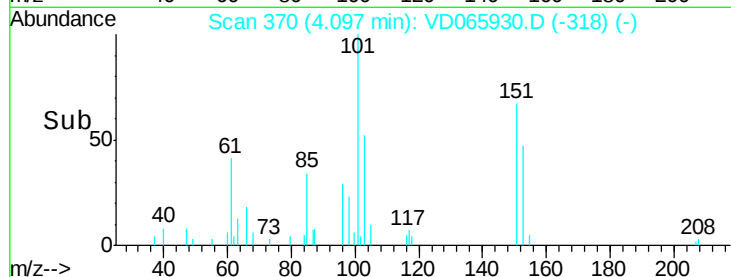
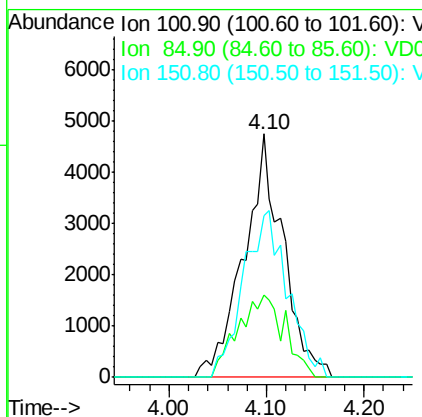
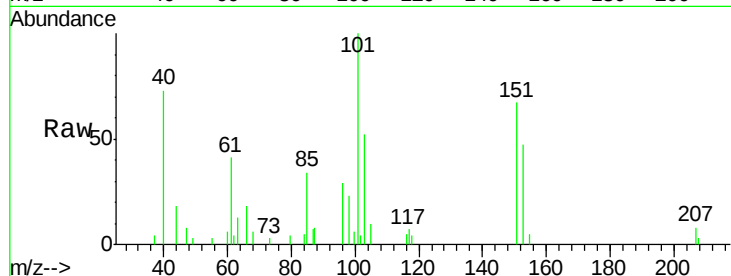
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 13384 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 40.0  | 33.8  | 50.8  |
| 151       | 76.6  | 64.1  | 96.1  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 2.735 ug/l

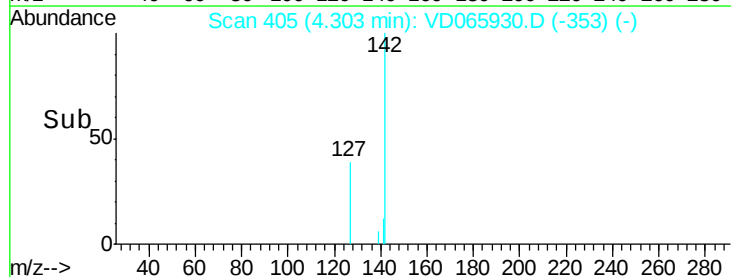
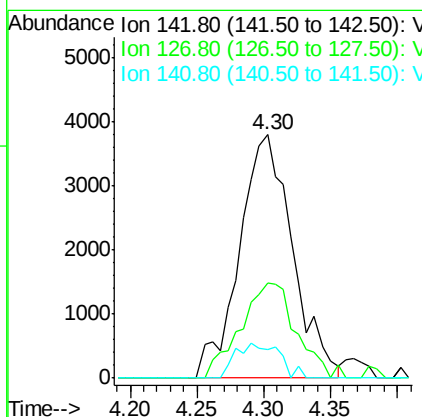
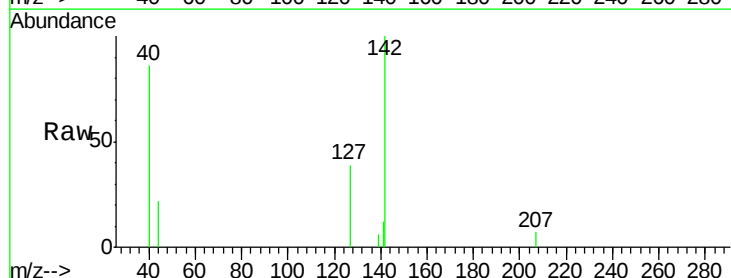
RT: 4.30 min Scan# 405

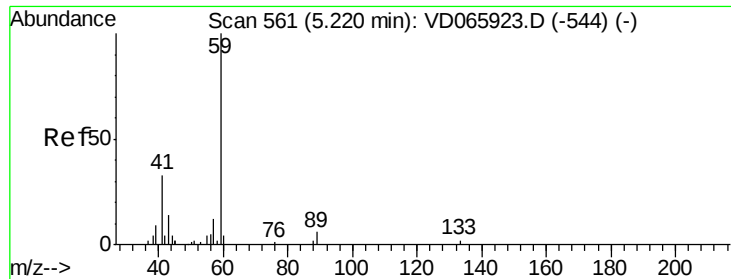
Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 10437 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.0  | 34.6  | 51.8  |
| 141       | 11.8  | 11.6  | 17.4  |





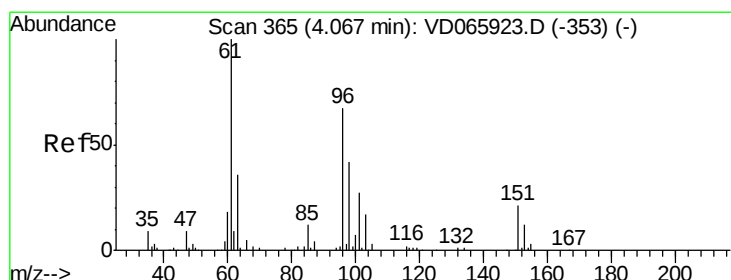
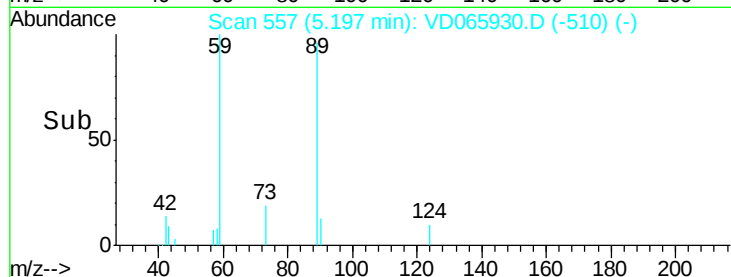
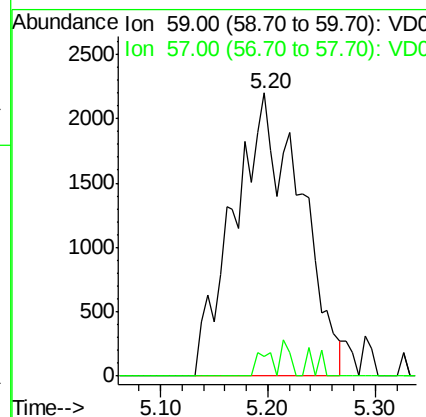
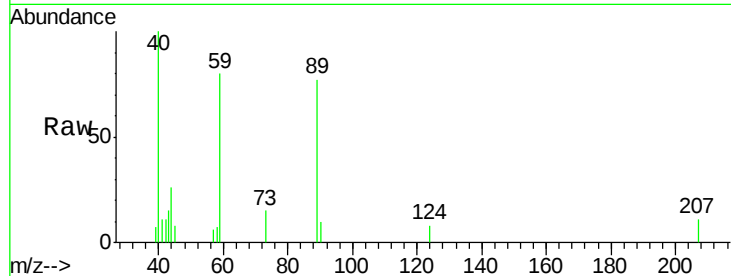
#11  
Tert butyl alcohol  
Concen: 38.610 ug/l m  
RT: 5.20 min Scan# 557  
Delta R.T. -0.02 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 59 Resp: 9504  
Ion Ratio Lower Upper  
59 100  
57 1.9 8.7 13.1#

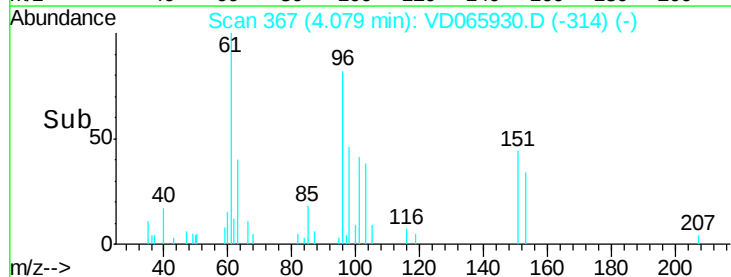
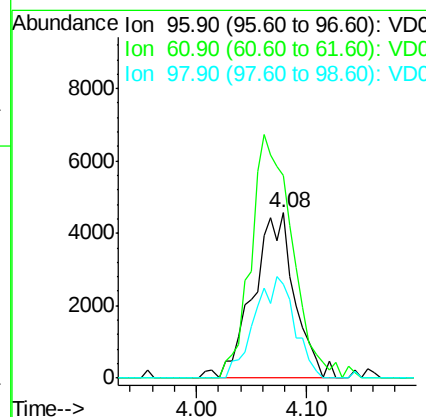
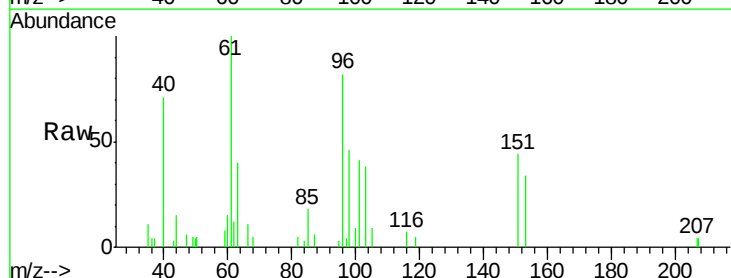
Manual Integrations  
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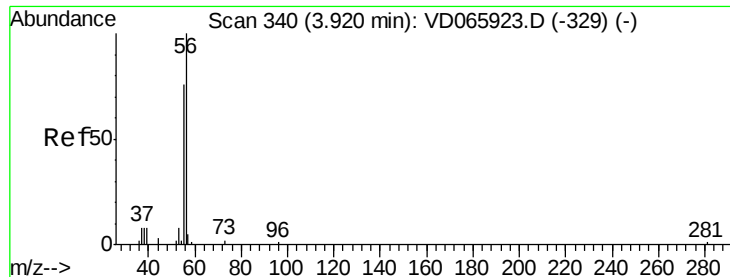
MMDadoda  
7/8/2020 12:05:19 PM



#12  
1,1-Dichloroethene  
Concen: 3.190 ug/l  
RT: 4.08 min Scan# 367  
Delta R.T. 0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Tgt Ion: 96 Resp: 11975  
Ion Ratio Lower Upper  
96 100  
61 122.2 120.2 180.2  
98 56.4 50.6 76.0





#13

Acrolein

Concen: 16.048 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 56 Resp: 3250

Ion Ratio Lower Upper

56 100

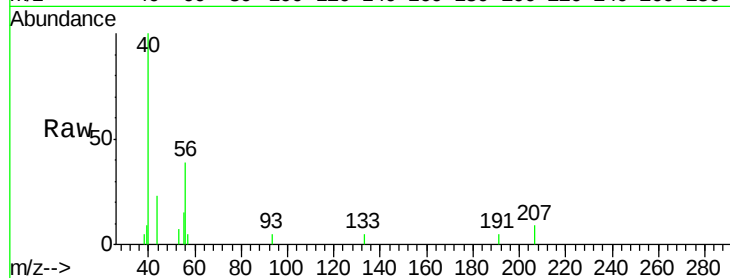
55 39.4 55.0 82.6#

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

1500

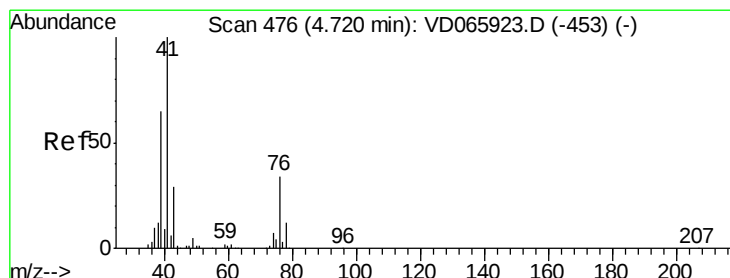
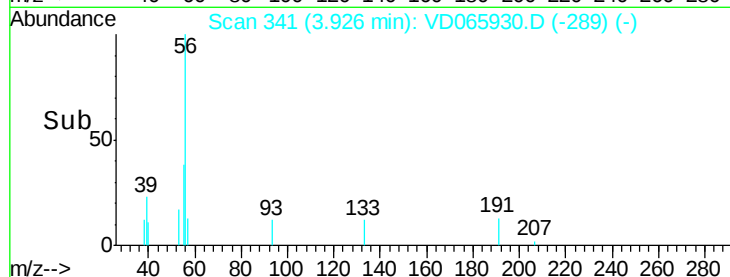
1000

500

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 3.003 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

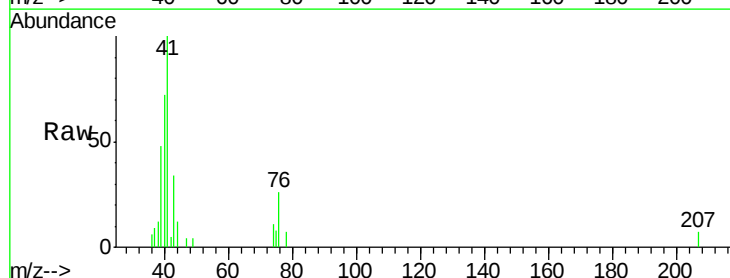
Tgt Ion: 41 Resp: 19104

Ion Ratio Lower Upper

41 100

39 0.0 52.2 78.4#

76 0.0 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

4.73

8000

6000

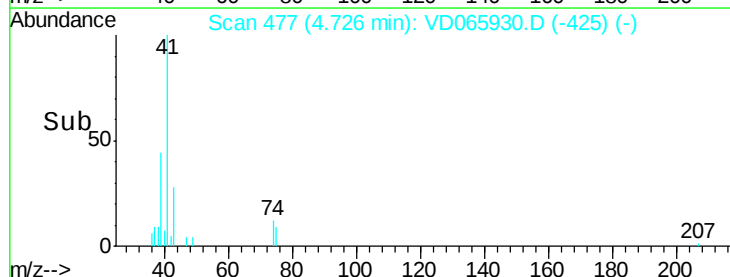
4000

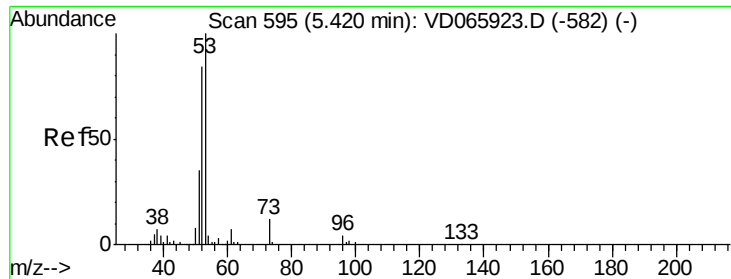
2000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 15.298 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

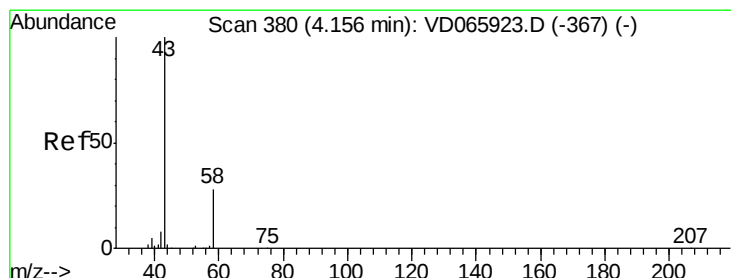
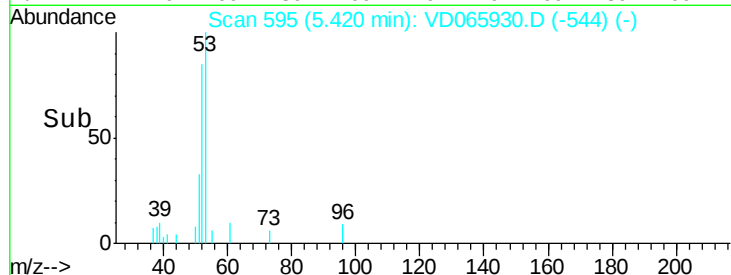
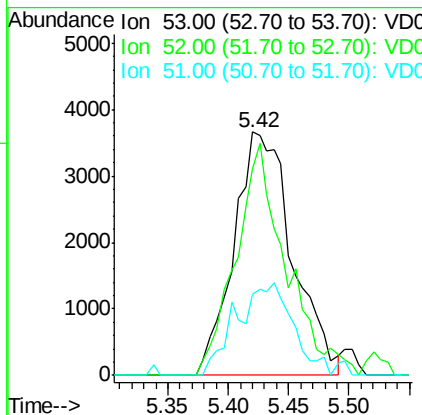
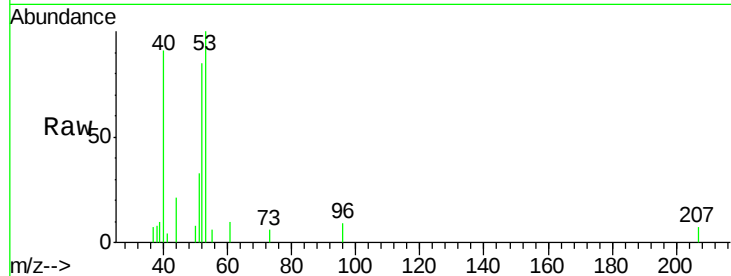
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 12343 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.8  | 66.3  | 99.5  |
| 51       | 36.6  | 29.8  | 44.8  |

Manual Integrations  
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#16

Acetone

Concen: 15.318 ug/l

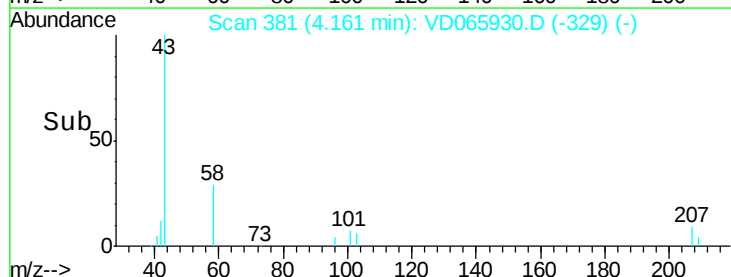
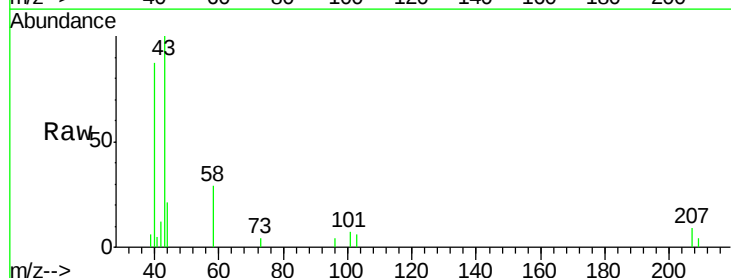
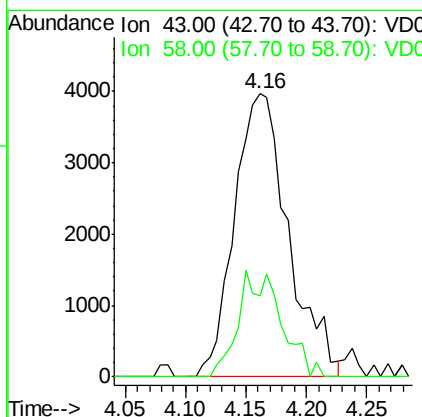
RT: 4.16 min Scan# 381

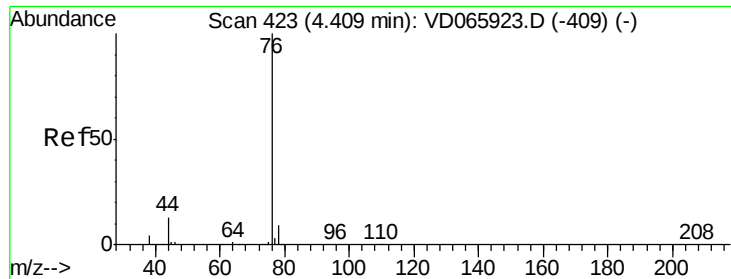
Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 12322 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.7  | 22.7  | 34.1  |





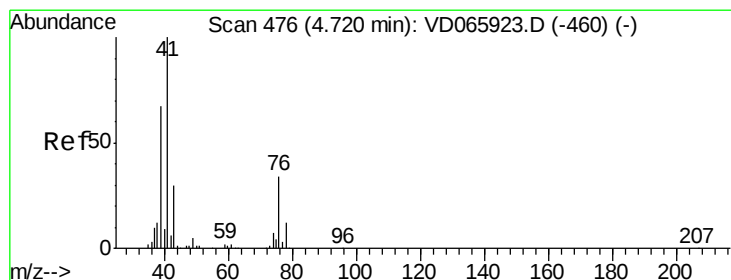
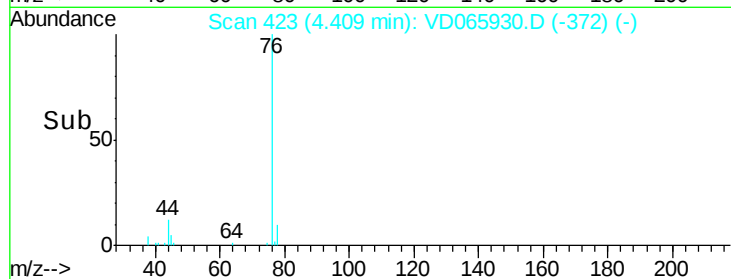
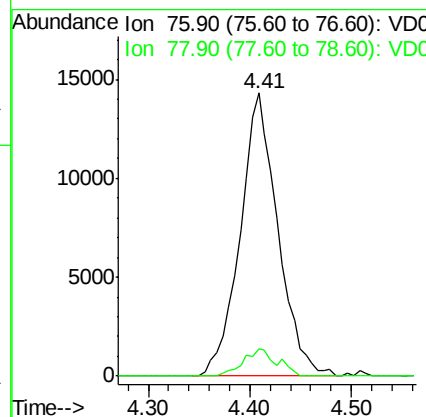
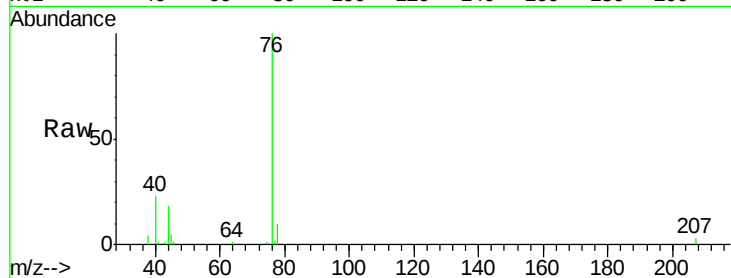
#17  
Carbon Disulfide  
Concen: 3.080 ug/l  
RT: 4.41 min Scan# 423  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 76 Resp: 36842  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.5 11.3

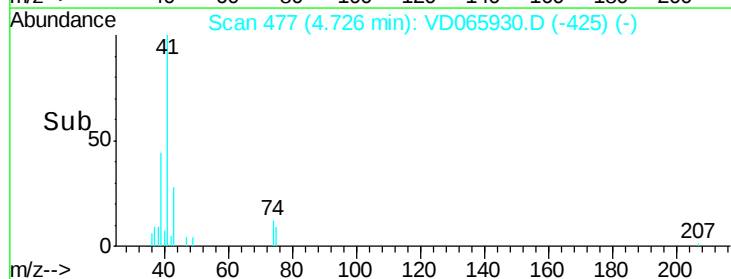
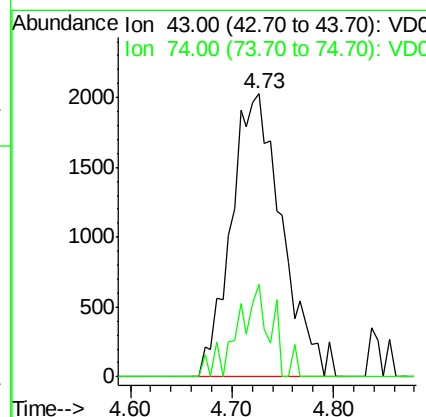
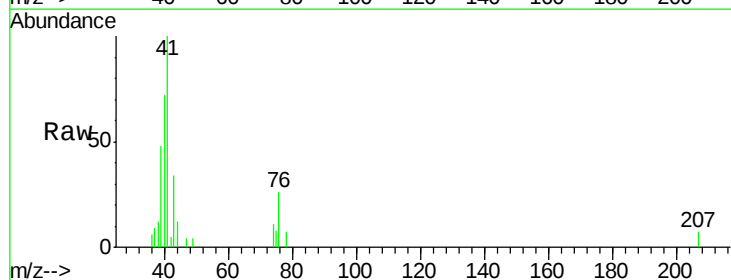
Manual Integrations  
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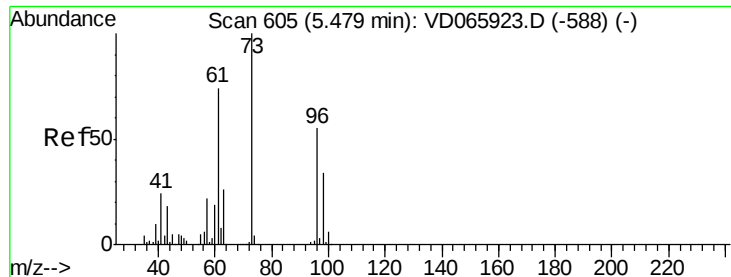
MMDadoda  
7/8/2020 12:05:19 PM



#18  
Methyl Acetate  
Concen: 3.747 ug/l  
RT: 4.73 min Scan# 477  
Delta R.T. 0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Tgt Ion: 43 Resp: 7065  
Ion Ratio Lower Upper  
43 100  
74 20.4 17.8 26.8





#19

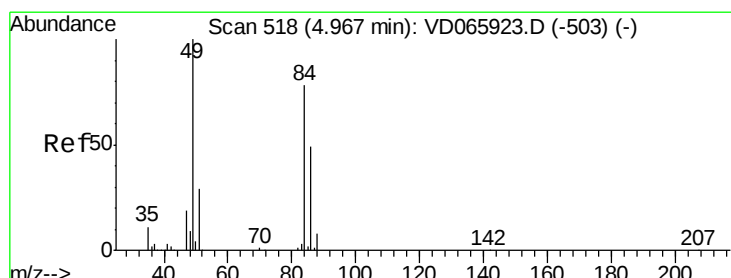
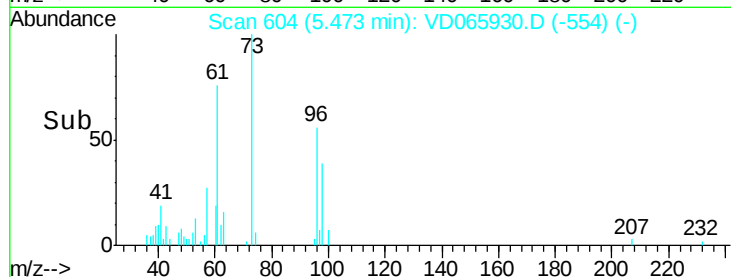
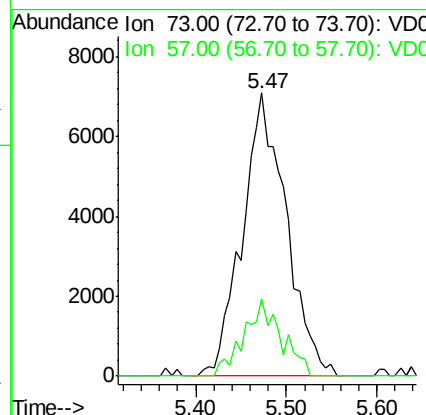
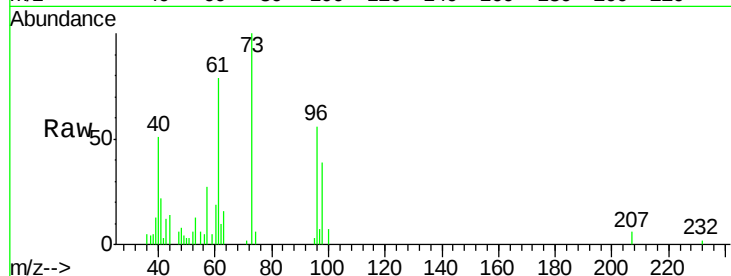
Methyl tert-butyl Ether  
 Concen: 2.993 ug/l  
 RT: 5.47 min Scan# 604  
 Delta R.T. -0.01 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 73 Resp: 23783  
 Ion Ratio Lower Upper  
 73 100  
 57 27.5 17.7 26.5#

Manual Integrations  
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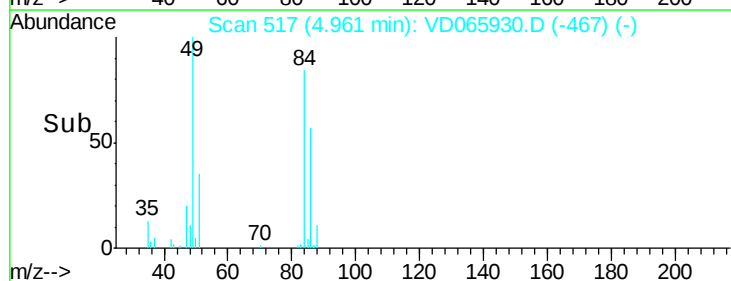
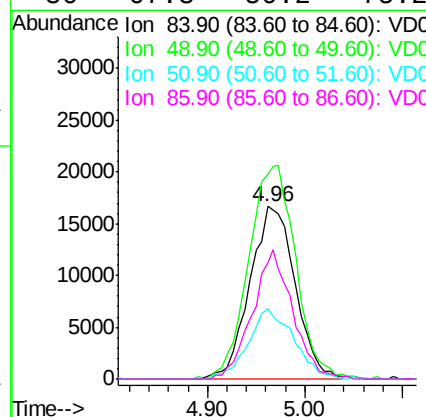
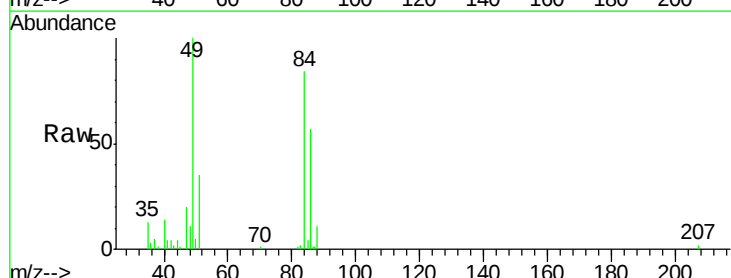
MMDadoda  
 7/8/2020 12:05:19 PM

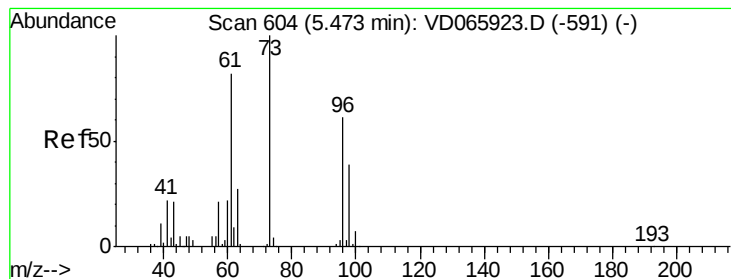


#20

Methylene Chloride  
 Concen: 9.473 ug/l  
 RT: 4.96 min Scan# 517  
 Delta R.T. -0.01 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Tgt Ion: 84 Resp: 54131  
 Ion Ratio Lower Upper  
 84 100  
 49 118.7 102.2 153.2  
 51 41.2 29.8 44.6  
 86 67.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 3.202 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

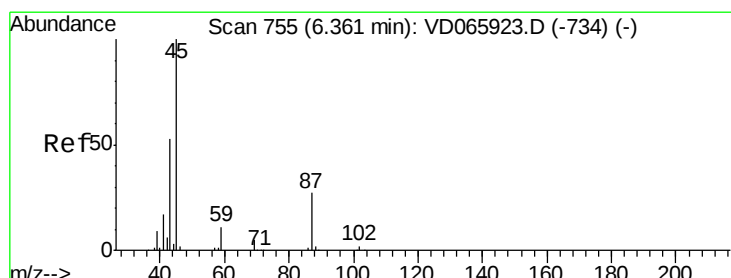
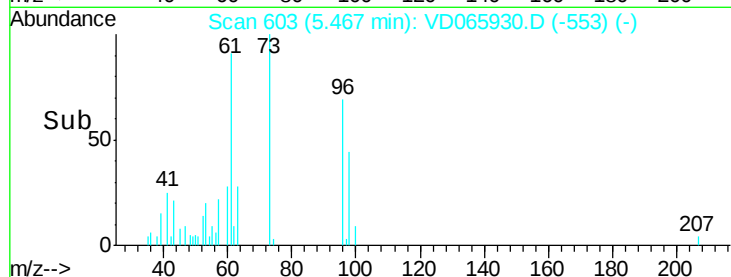
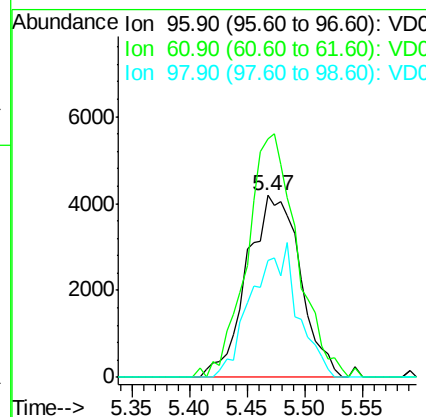
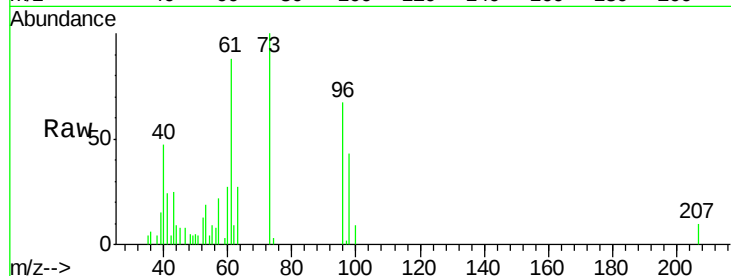
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 13524 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 131.2 | 106.6 | 160.0 |
| 98       | 64.2  | 51.0  | 76.6  |

Manual Integrations  
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#22

Diisopropyl ether

Concen: 2.875 ug/l

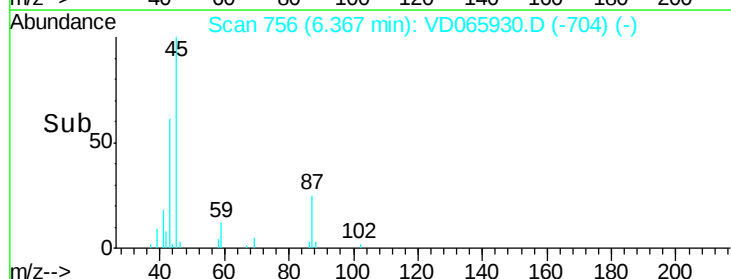
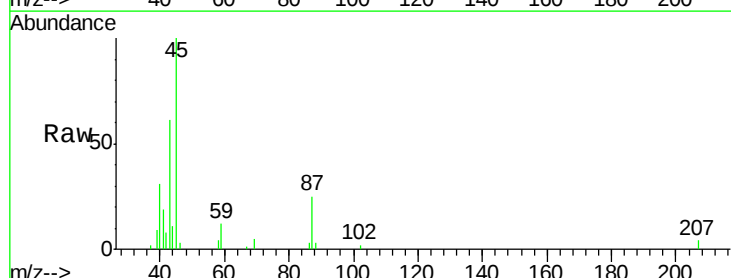
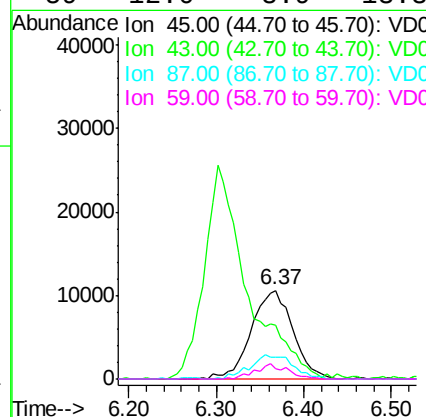
RT: 6.37 min Scan# 756

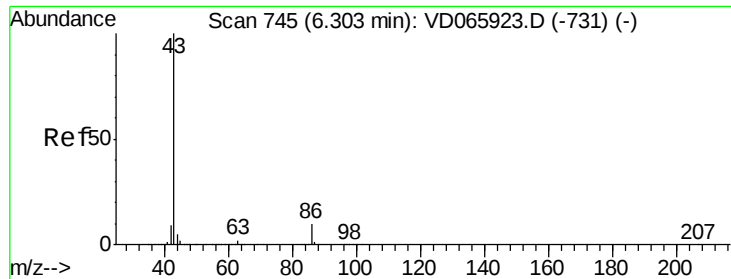
Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 34365 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 58.1  | 42.5  | 63.7  |
| 87       | 25.2  | 22.2  | 33.2  |
| 59       | 12.0  | 8.9   | 13.3  |





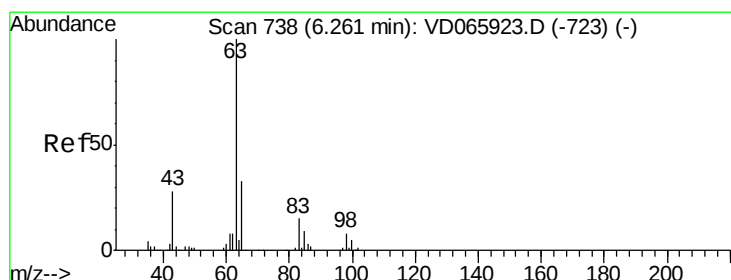
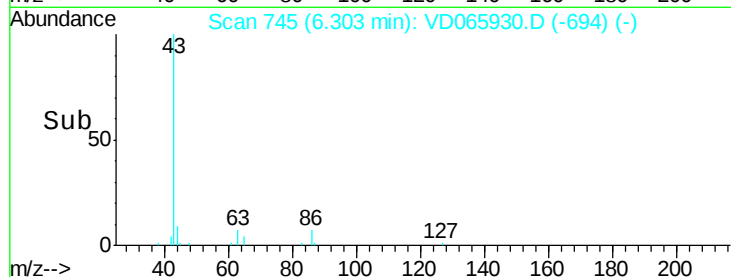
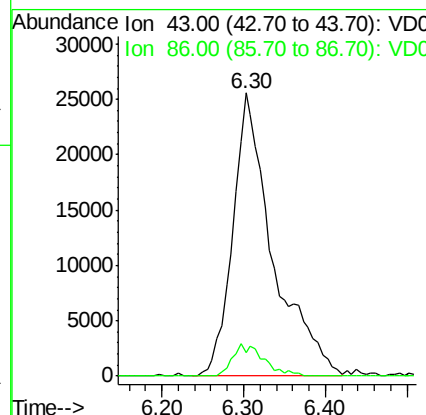
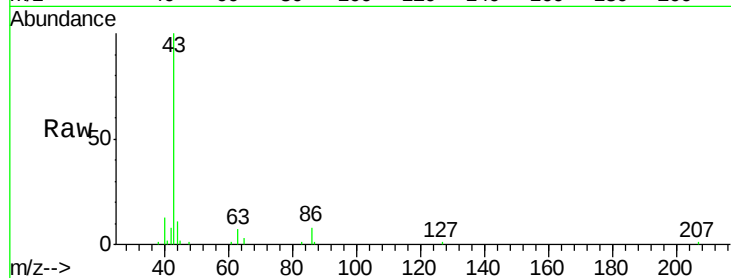
#23  
 Vinyl Acetate  
 Concen: 12.762 ug/l  
 RT: 6.30 min Scan# 745  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

| Tot Ion   | 43  | Resp  | 87080 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 43        | 100 |       |       |
| 86        | 8.3 | 8.1   | 12.1  |

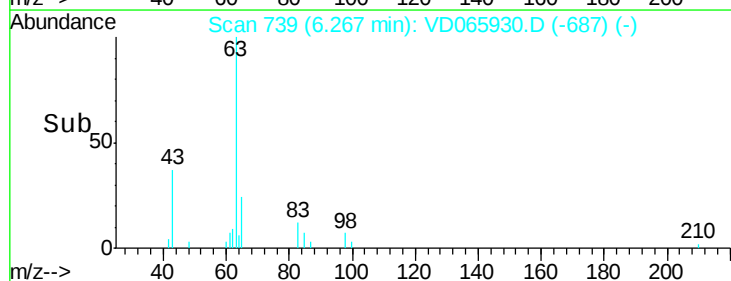
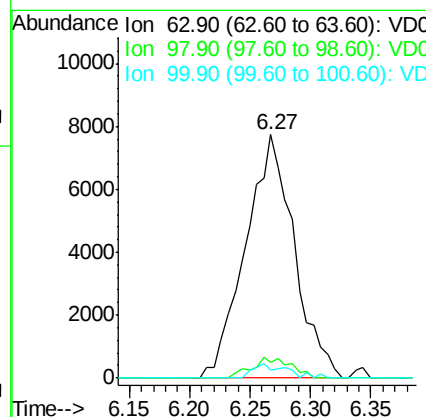
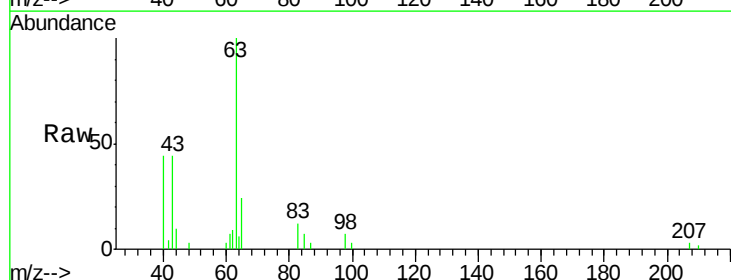
Manual Integrations  
 APPROVED

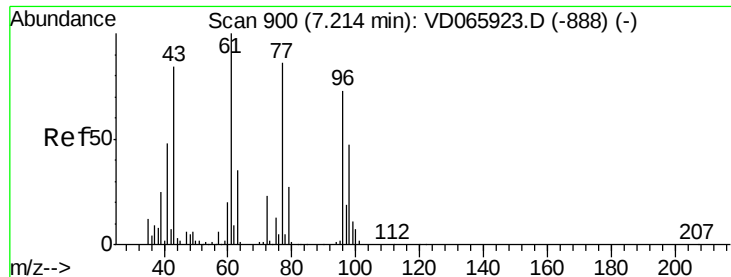
MMDadoda  
 7/8/2020 12:05:19 PM



#24  
 1,1-Dichloroethane  
 Concen: 3.032 ug/l  
 RT: 6.27 min Scan# 739  
 Delta R.T. 0.01 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

| Tgt Ion   | 63  | Resp  | 21615 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 63        | 100 |       |       |
| 98        | 6.6 | 3.8   | 11.4  |
| 100       | 3.3 | 2.5   | 7.5   |





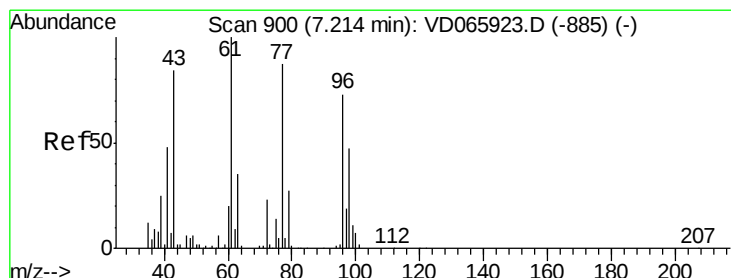
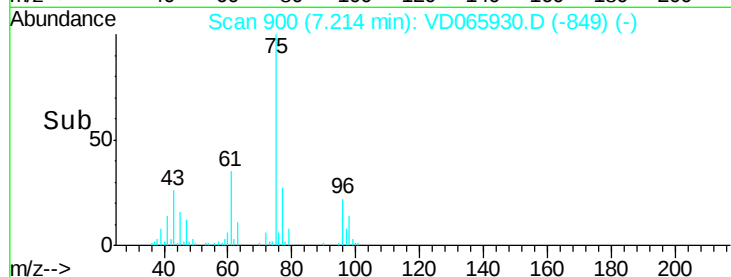
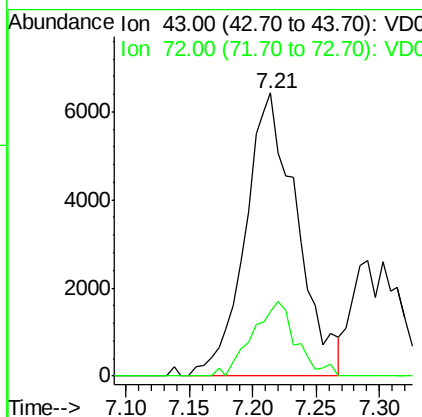
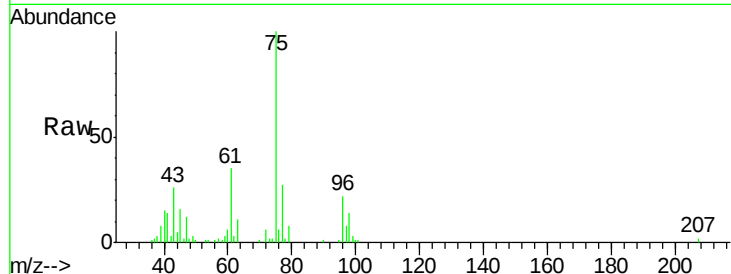
#25  
2-Butanone  
Concen: 17.177 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion   | 43   | Resp  | 18258 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 72        | 22.8 | 22.1  | 33.1  |

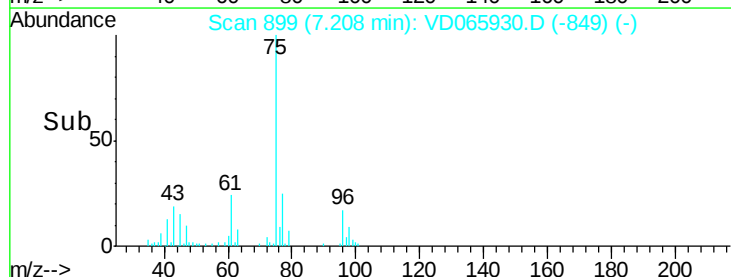
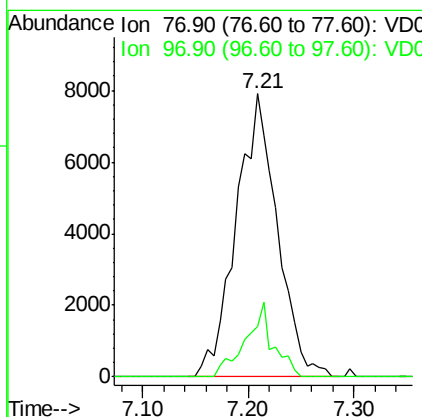
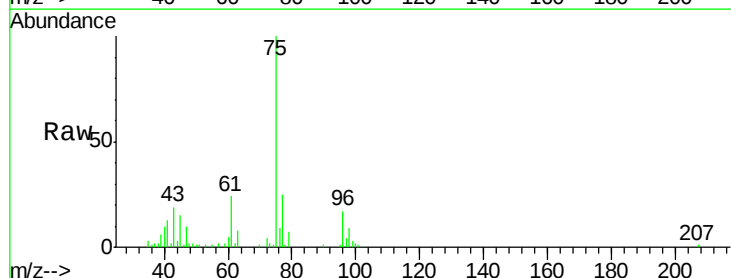
Manual Integrations  
APPROVED

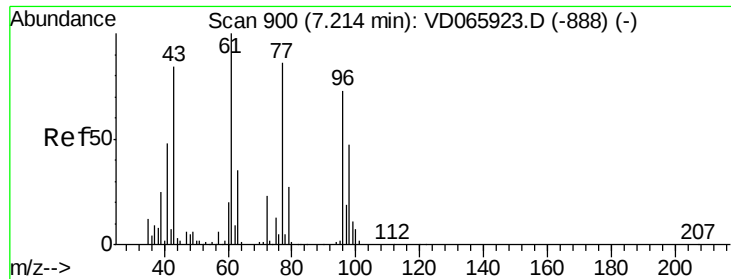
MMDadoda  
7/8/2020 12:05:19 PM



#26  
2,2-Dichloropropane  
Concen: 3.429 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion   | 77   | Resp  | 21380 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 97        | 17.5 | 11.6  | 34.8  |





#27

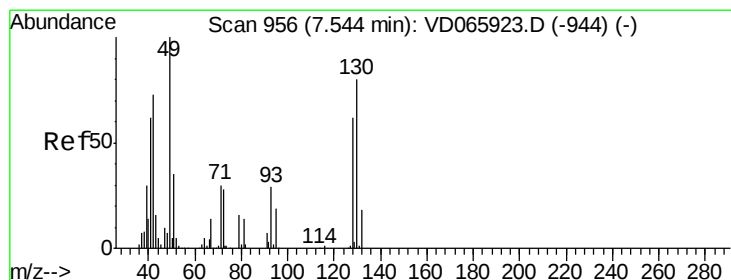
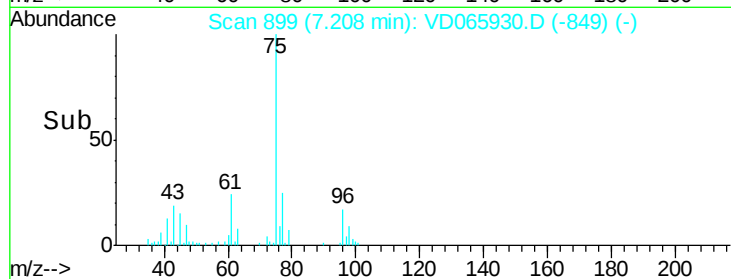
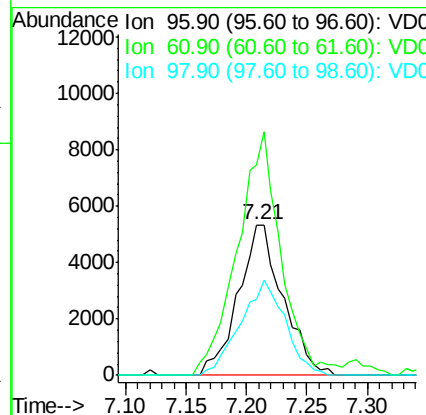
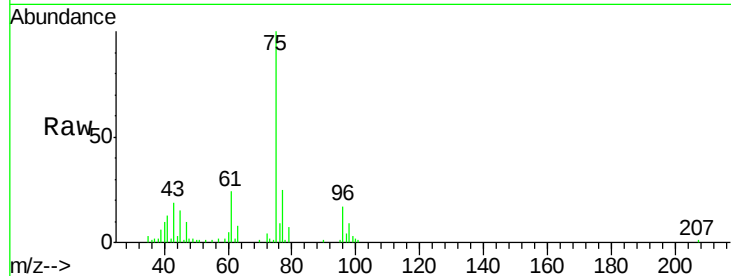
cis-1,2-Dichloroethene  
Concen: 3.024 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 158.8 | 0.0   | 286.6 |
| 98      | 63.4  | 0.0   | 128.2 |

Manual Integrations  
APPROVED

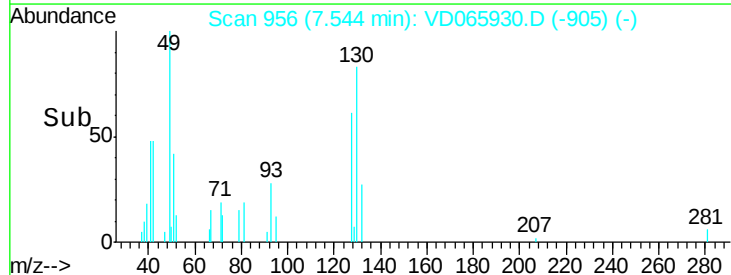
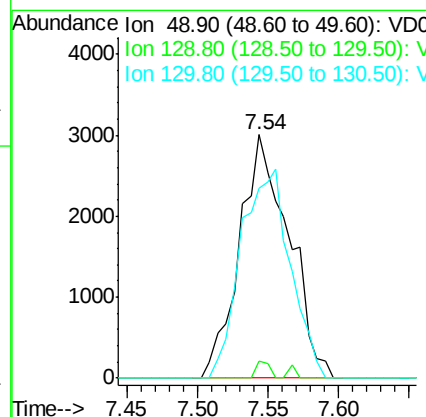
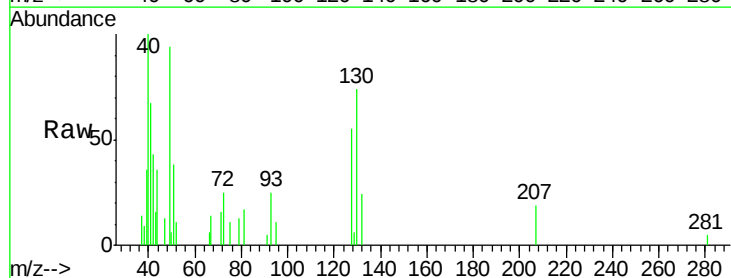
MMDadoda  
7/8/2020 12:05:19 PM

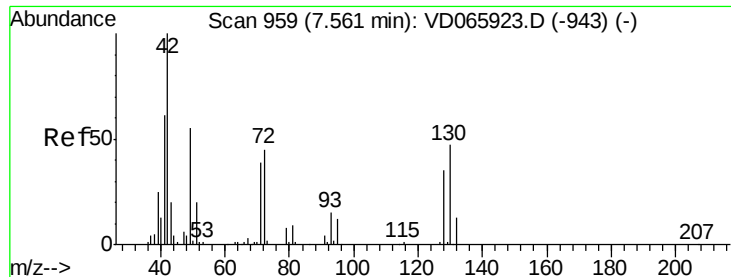


#28

Bromochloromethane  
Concen: 2.727 ug/l  
RT: 7.54 min Scan# 956  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.8   | 0.0   | 4.8   |
| 130     | 0.0   | 65.8  | 98.8# |





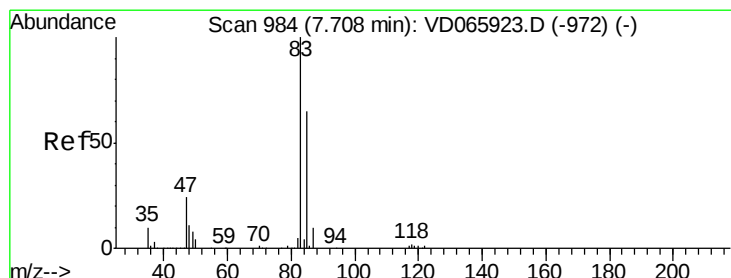
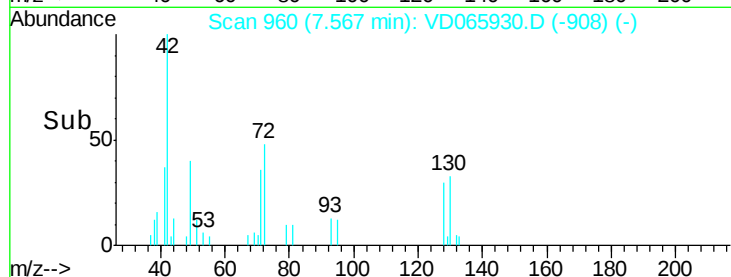
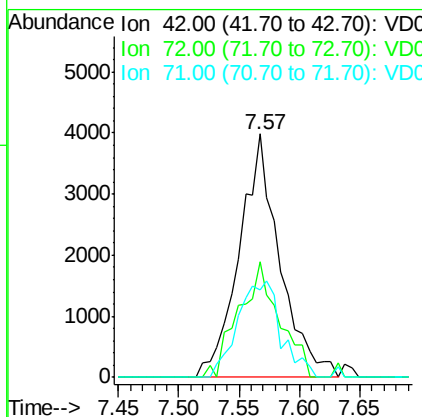
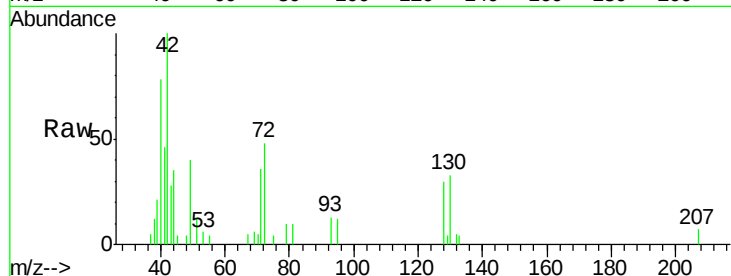
#29  
Tetrahydrofuran  
Concen: 13.759 ug/l  
RT: 7.57 min Scan# 960  
Delta R.T. 0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 47.1  | 32.8  | 49.2  |
| 71      | 42.3  | 31.0  | 46.4  |

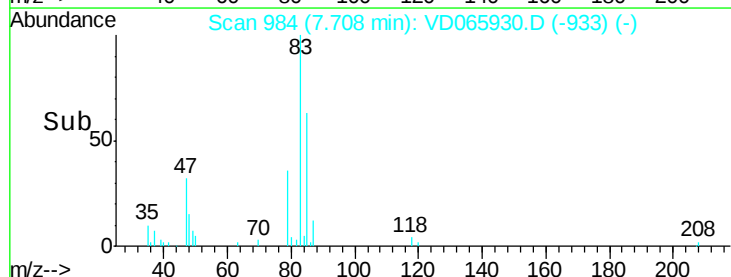
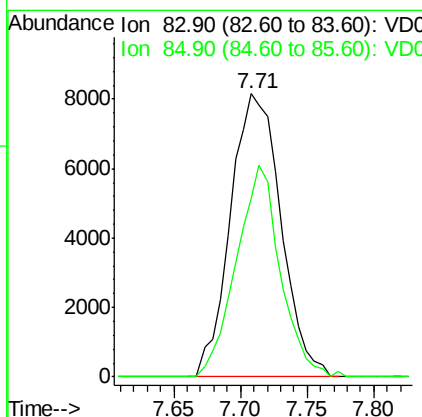
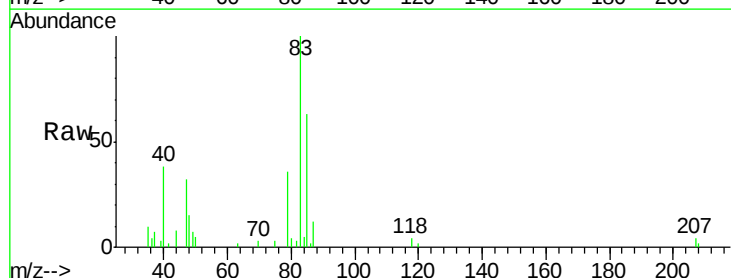
Manual Integrations  
APPROVED

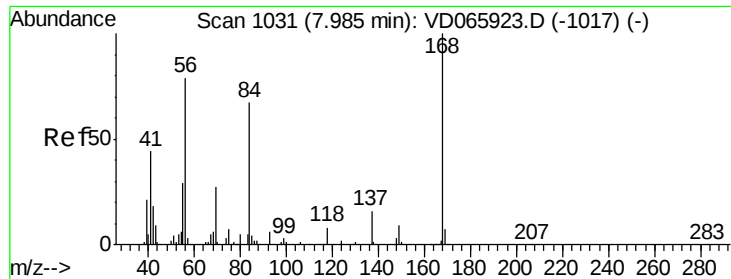
MMDadoda  
7/8/2020 12:05:19 PM



#30  
Chloroform  
Concen: 2.961 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.2  | 51.6  | 77.4  |





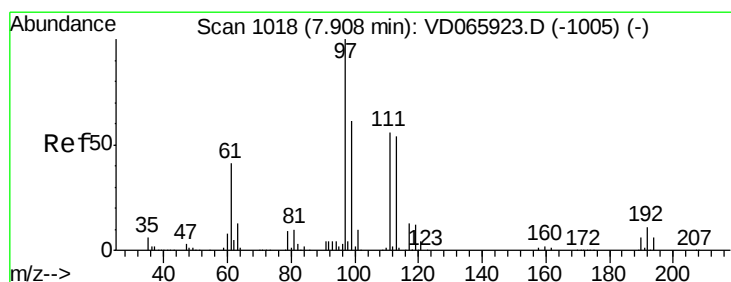
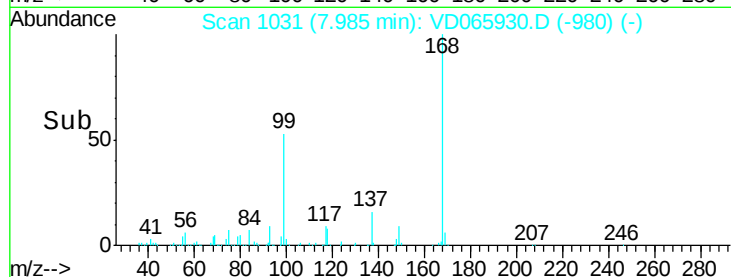
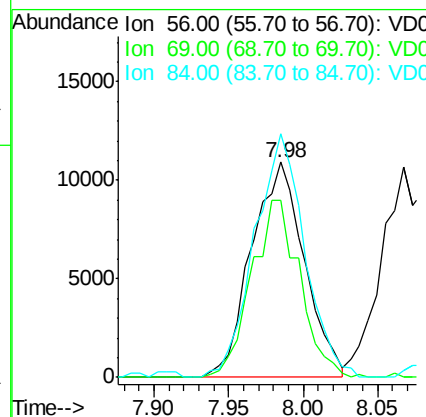
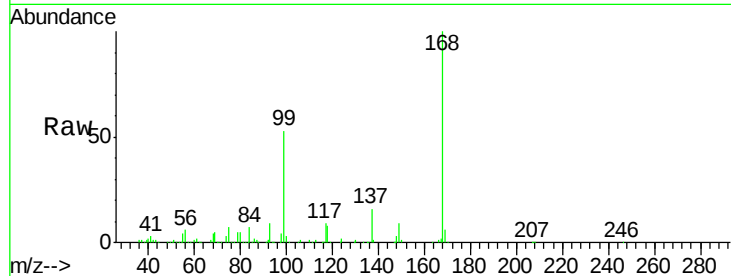
#31  
Cvclohexane  
Concen: 3.835 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 56      | 100   |       |        |
| 69      | 82.0  | 27.4  | 41.0#  |
| 84      | 113.1 | 68.6  | 102.8# |

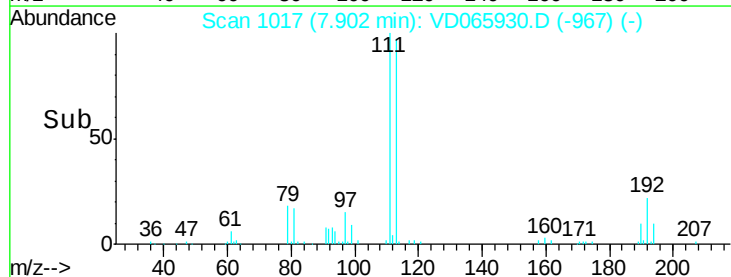
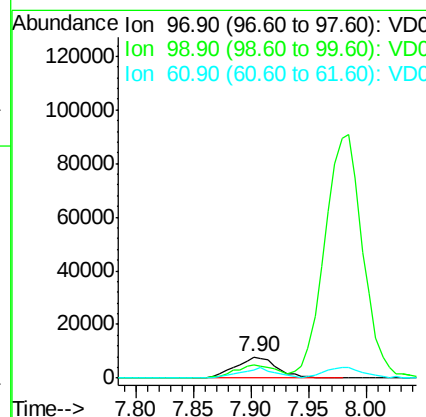
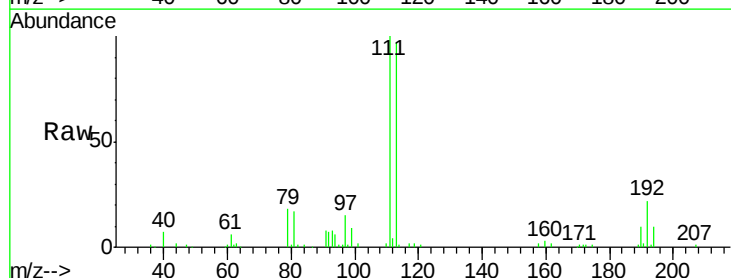
Manual Integrations  
APPROVED

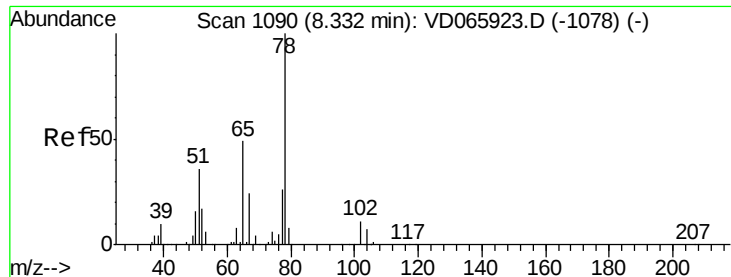
MMDadoda  
7/8/2020 12:05:19 PM



#32  
1,1,1-Trichloroethane  
Concen: 2.960 ug/l  
RT: 7.90 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 61.4  | 51.6  | 77.4  |
| 61      | 41.3  | 33.6  | 50.4  |





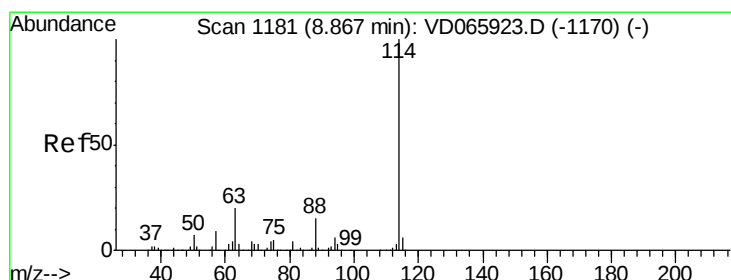
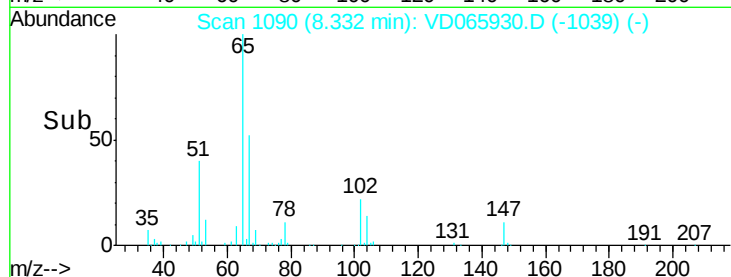
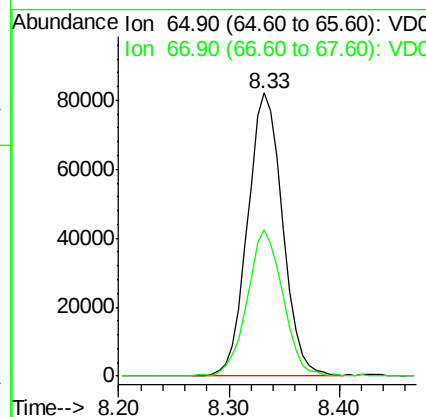
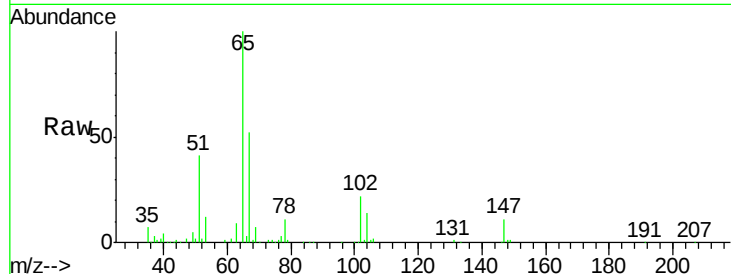
#33  
 1,2-Dichloroethane-d4  
 Concen: 53.281 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.7  | 0.0   | 105.6 |

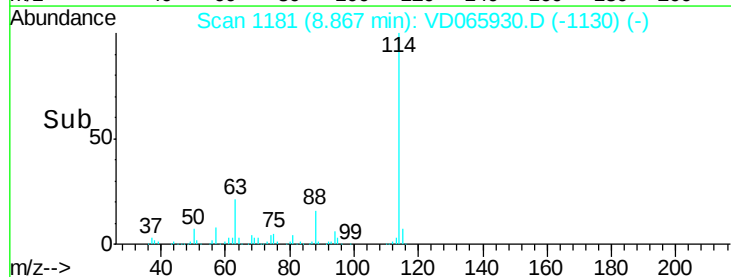
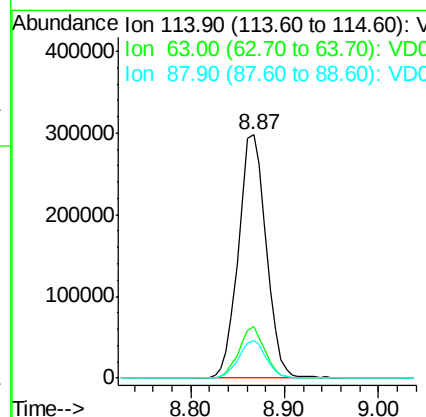
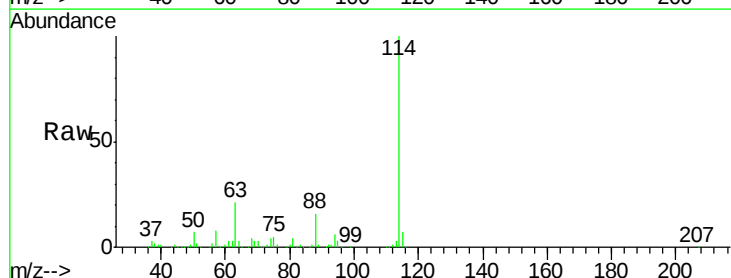
Manual Integrations  
 APPROVED

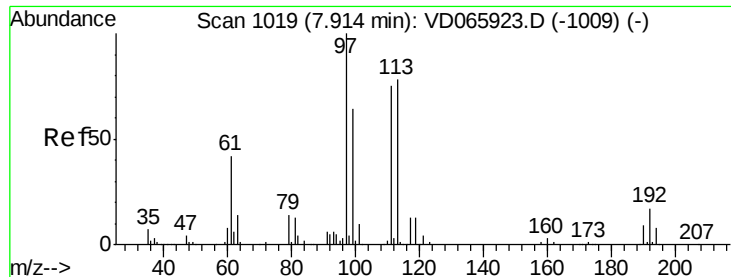
MMDadoda  
 7/8/2020 12:05:19 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.1  | 0.0   | 39.2  |
| 88      | 15.6  | 0.0   | 30.0  |





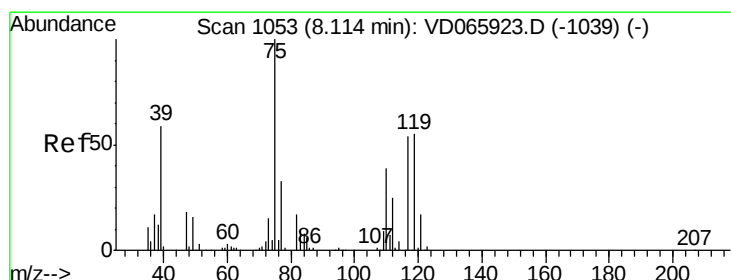
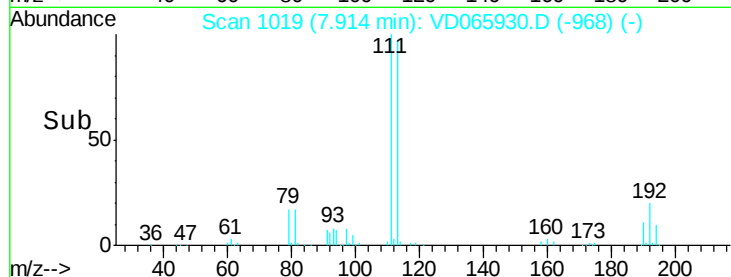
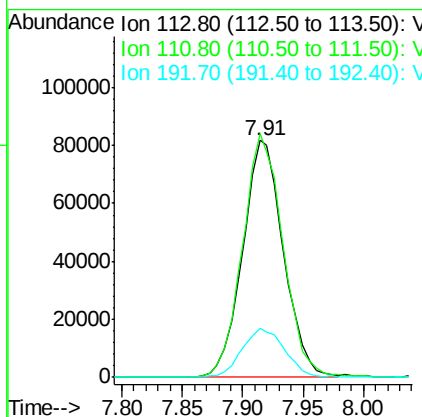
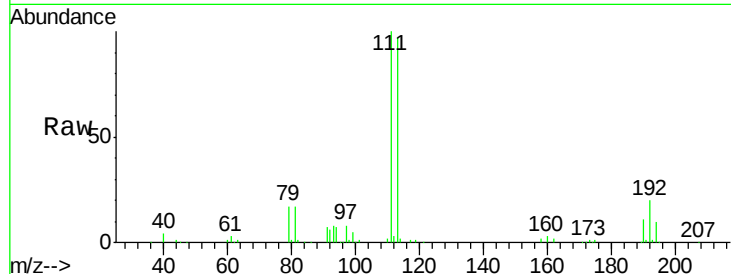
#35  
 Dibromofluoromethane  
 Concen: 50.626 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.6 | 80.9  | 121.3 |
| 192     | 21.7  | 17.1  | 25.7  |

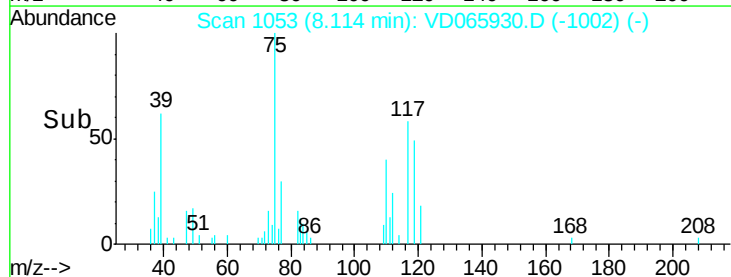
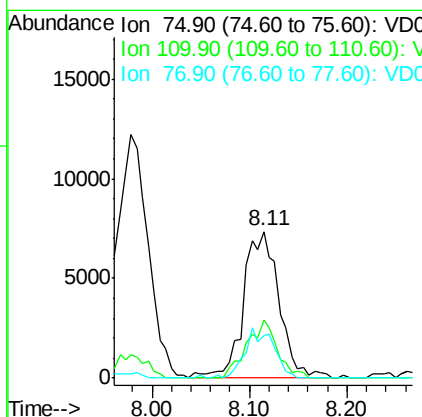
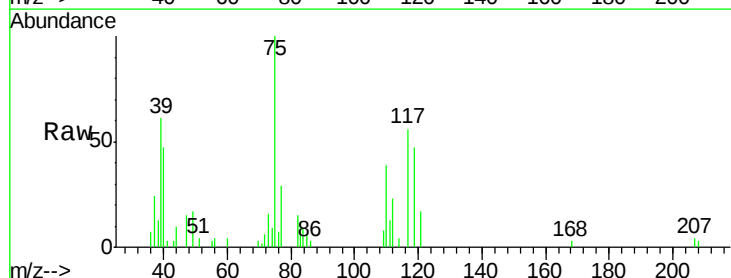
Manual Integrations  
 APPROVED

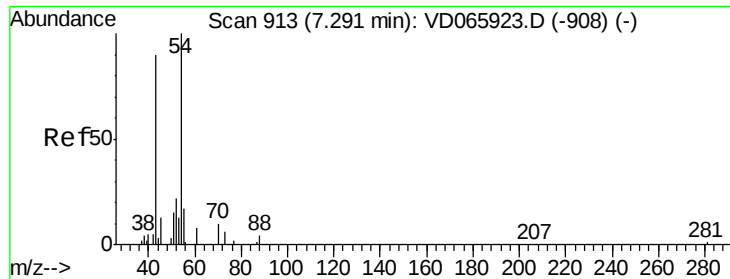
MMDadoda  
 7/8/2020 12:05:19 PM



#36  
 1,1-Dichloropropene  
 Concen: 3.110 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.8  | 18.5  | 55.5  |
| 77      | 27.8  | 25.6  | 38.4  |





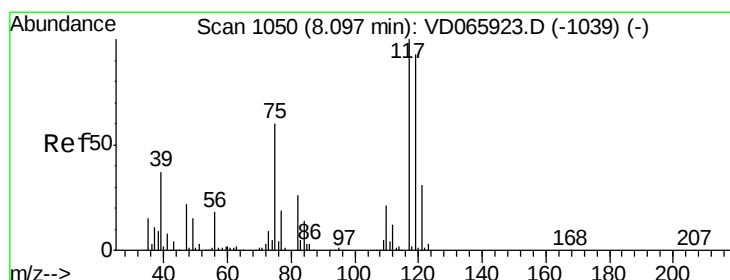
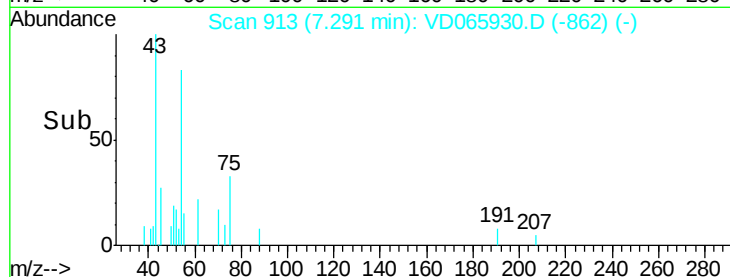
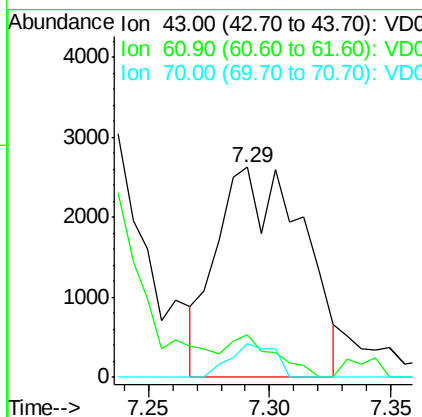
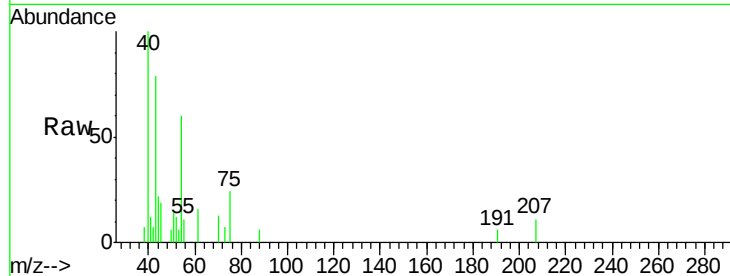
#37  
Ethyl Acetate  
Concen: 2.538 ug/l m  
RT: 7.29 min Scan# 913  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 10.8  | 9.4   | 14.0  |
| 70      | 8.5   | 8.3   | 12.5  |

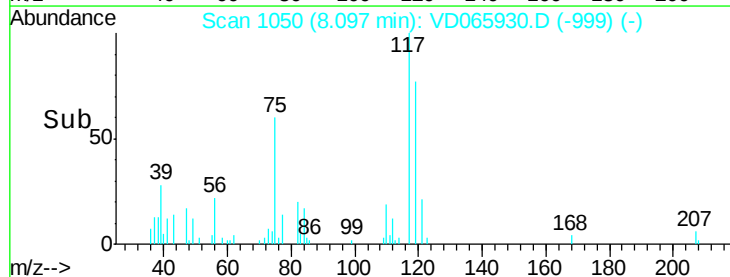
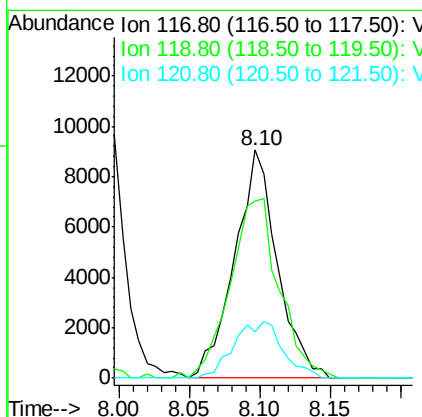
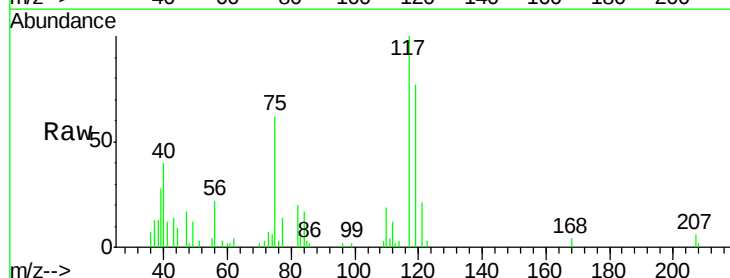
Manual Integrations  
APPROVED

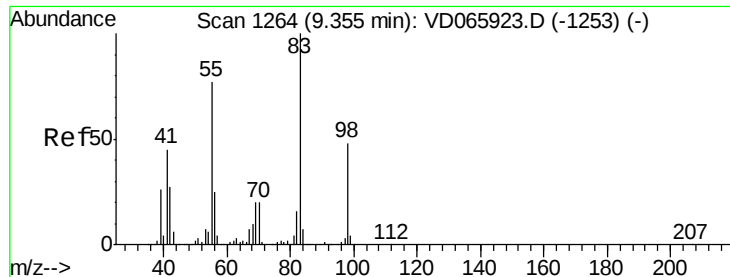
MMDadoda  
7/8/2020 12:05:19 PM



#38  
Carbon Tetrachloride  
Concen: 2.954 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 77.4  | 74.7  | 112.1 |
| 121     | 20.5  | 24.9  | 37.3  |





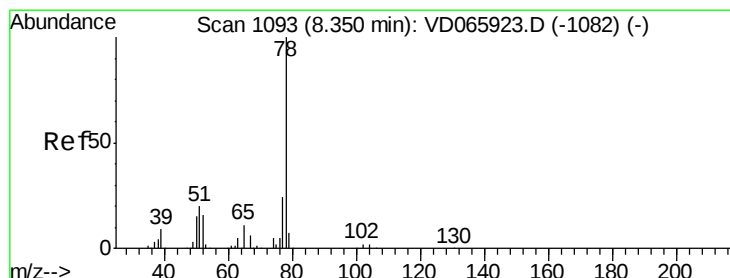
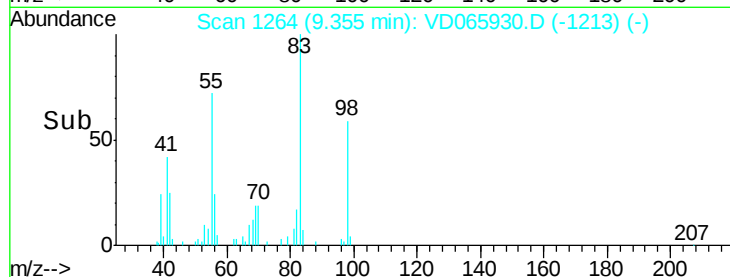
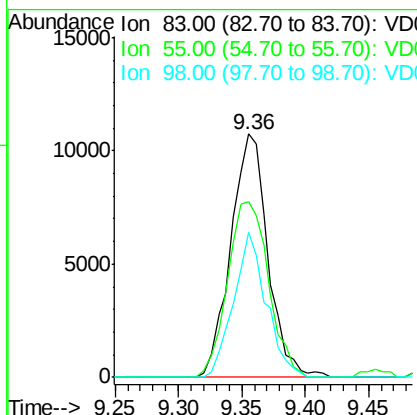
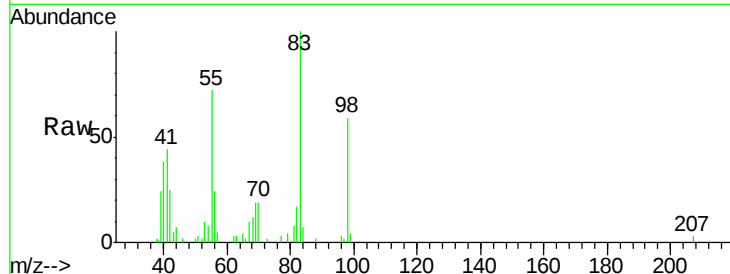
#39  
Methvlcvclohexane  
Concen: 2.920 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 83      | 100   | 21719 |       |       |
| 55      | 72.1  |       | 61.7  | 92.5  |
| 98      | 59.3  |       | 38.6  | 58.0  |

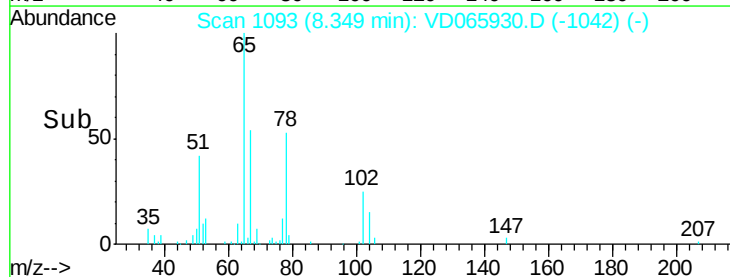
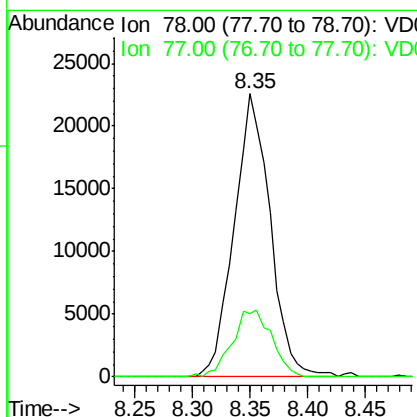
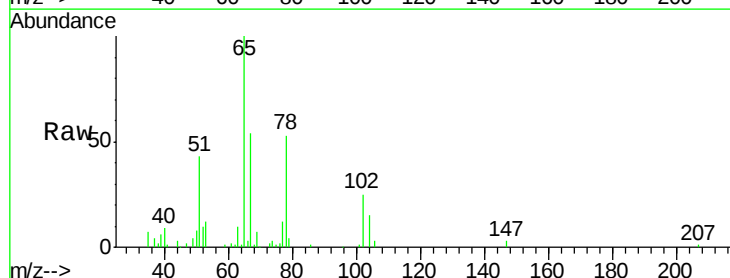
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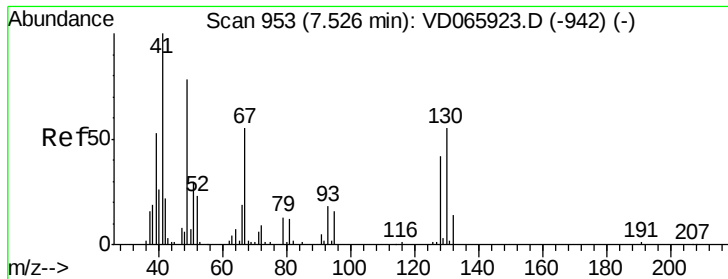
MMDadoda  
7/8/2020 12:05:19 PM



#40  
Benzene  
Concen: 2.930 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 78      | 100   | 49038 |       |       |
| 77      | 22.4  |       | 19.4  | 29.0  |





#41

Methacrylonitrile

Concen: 2.712 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 41 Resp: 3997

Ion Ratio Lower Upper

41 100

39 79.5 42.4 63.6#

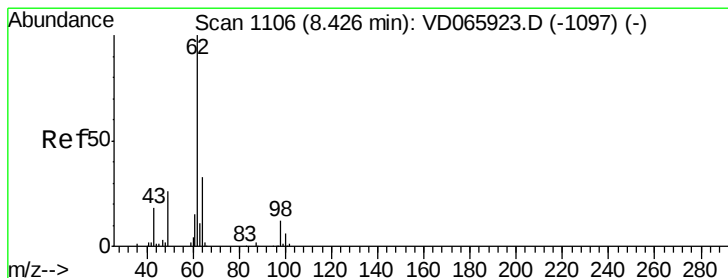
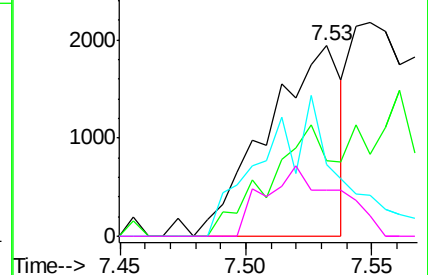
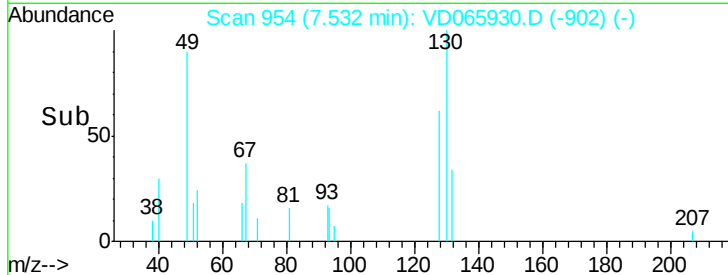
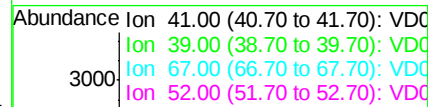
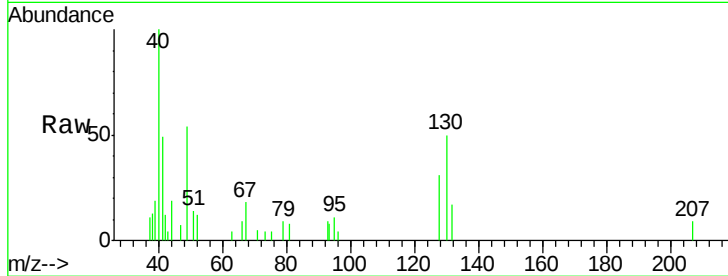
67 0.0 53.6 80.4#

52 0.0 22.2 33.2#

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#42

1,2-Dichloroethane

Concen: 2.989 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065930.D

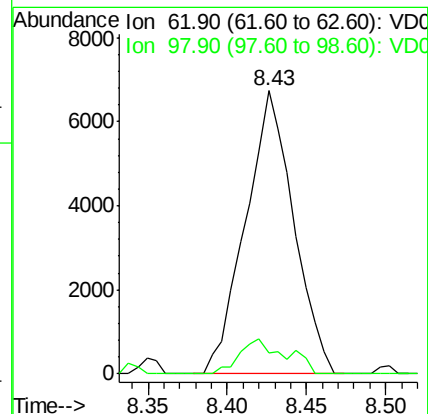
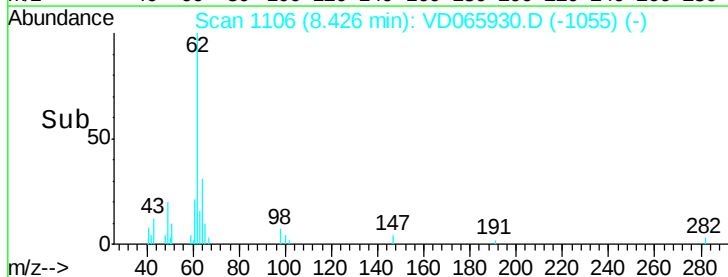
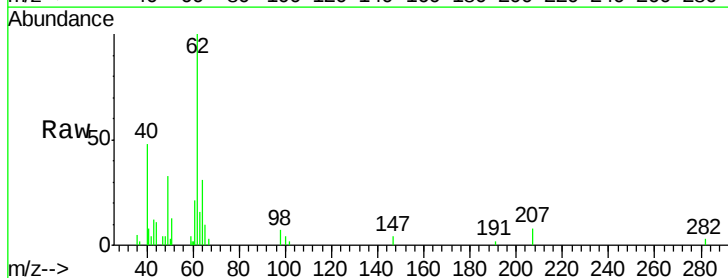
Acq: 07 Jul 2020 19:32

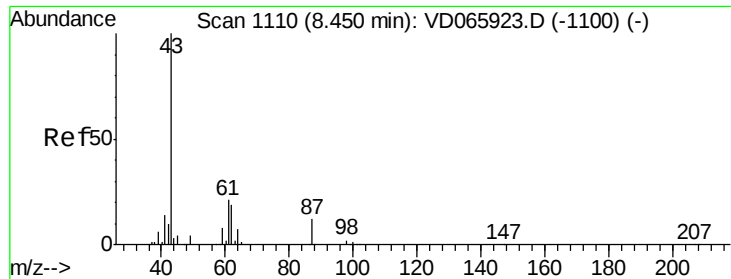
Tgt Ion: 62 Resp: 14174

Ion Ratio Lower Upper

62 100

98 11.9 0.0 20.0





#43

Isopropyl Acetate

Concen: 2.926 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

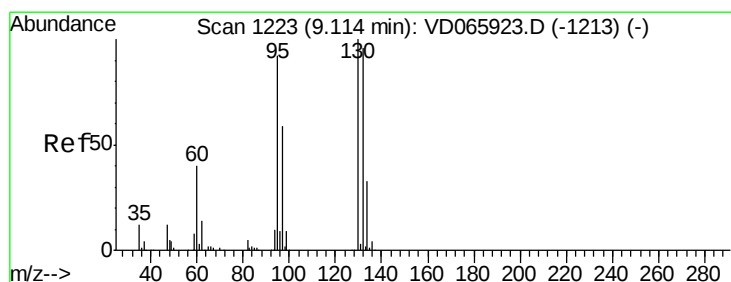
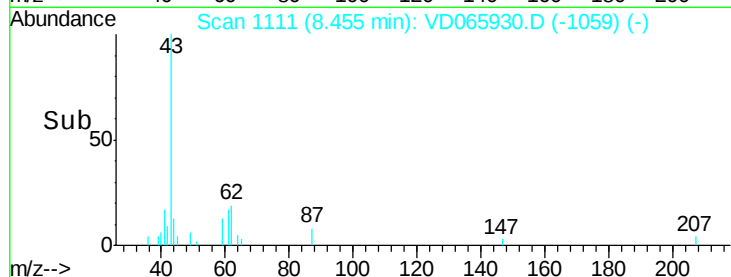
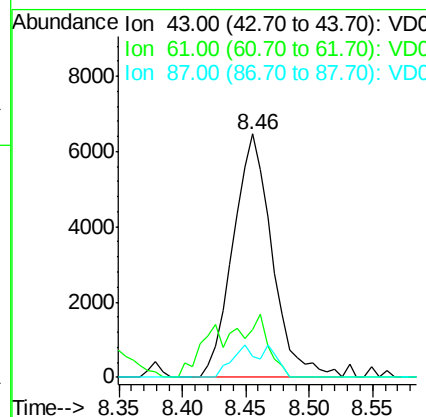
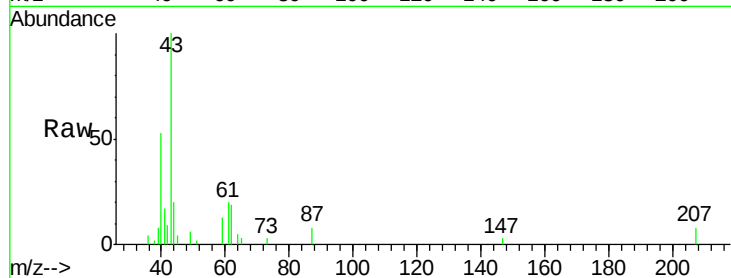
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 13826 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 23.2  | 34.8# |
| 87       | 8.2   | 10.0  | 15.0# |

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#44

Trichloroethene

Concen: 2.934 ug/l

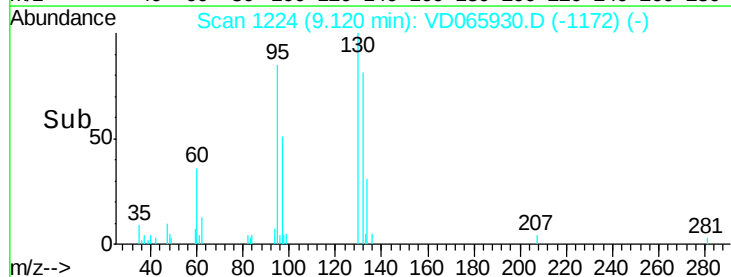
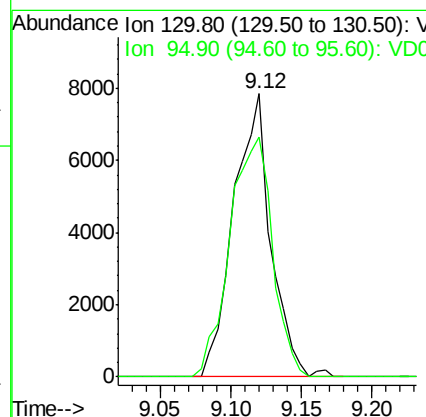
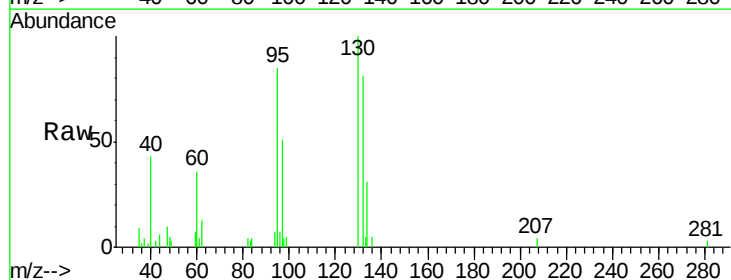
RT: 9.12 min Scan# 1224

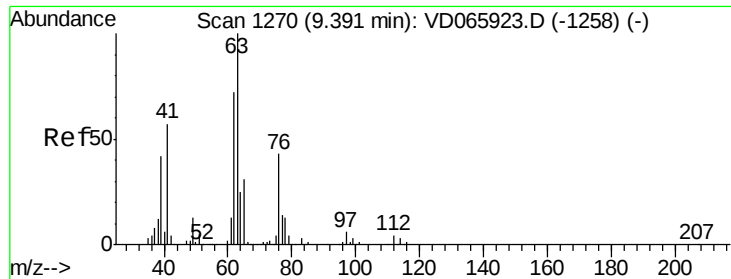
Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 14430 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 84.8  | 0.0   | 184.6 |





#45

1,2-Dichloropropane

Concen: 3.060 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 63 Resp: 12713

Ion Ratio Lower Upper

63 100

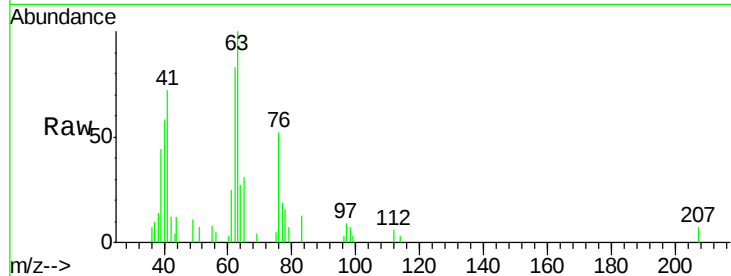
65 30.5 25.0 37.6

Manual Integrations

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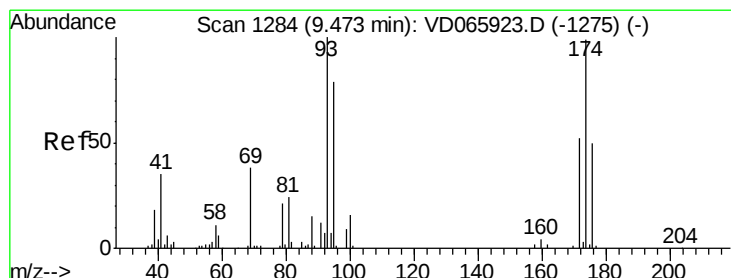
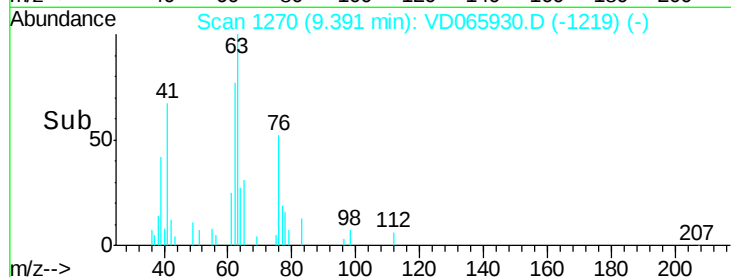
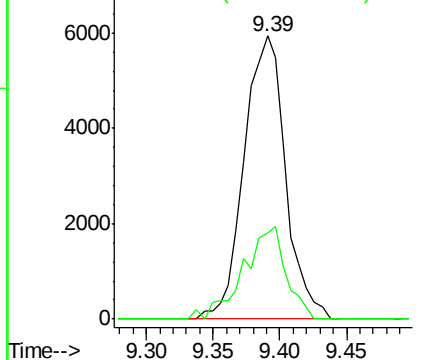
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 2.851 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

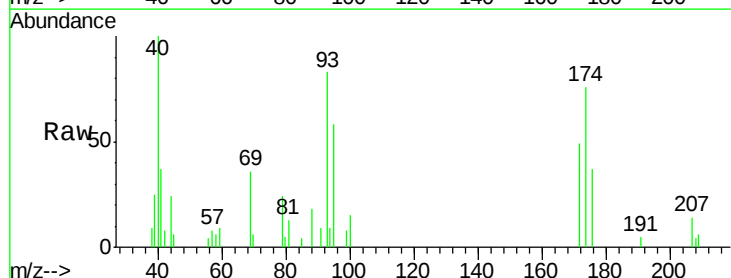
Tgt Ion: 93 Resp: 6167

Ion Ratio Lower Upper

93 100

95 79.4 68.2 102.2

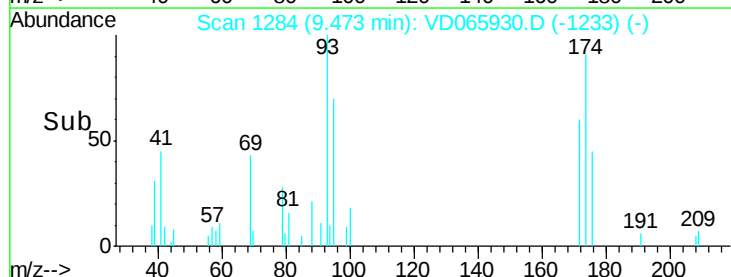
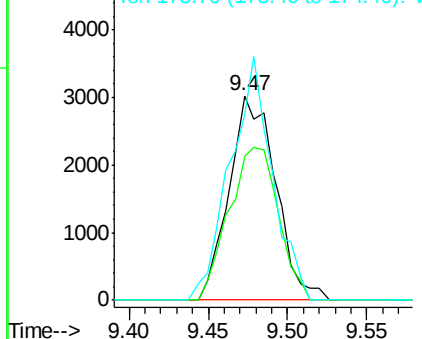
174 107.2 88.0 132.0

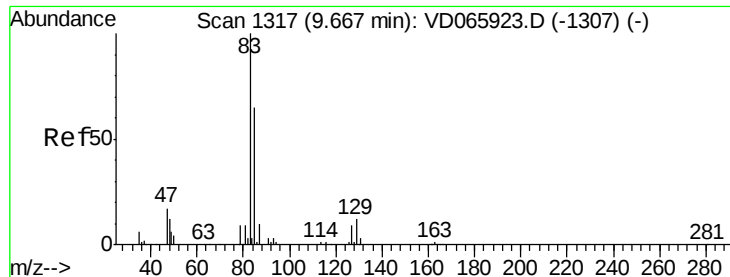


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.911 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

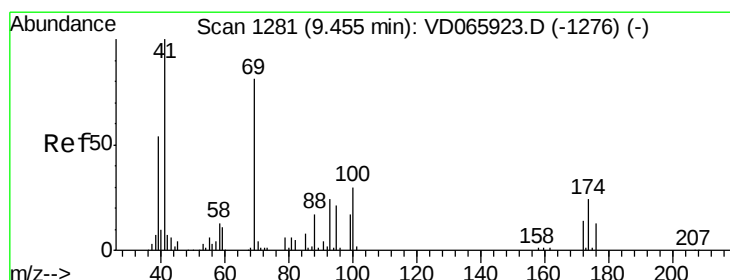
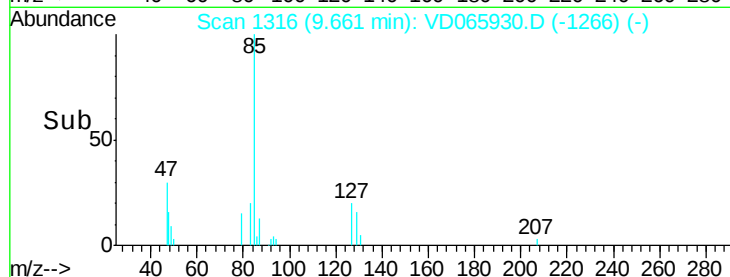
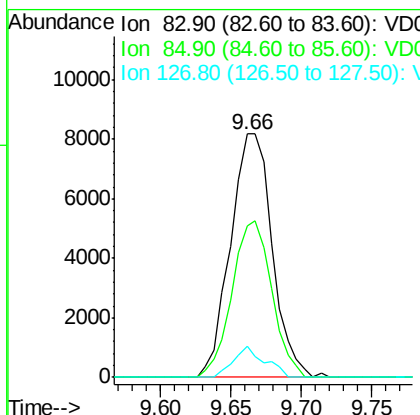
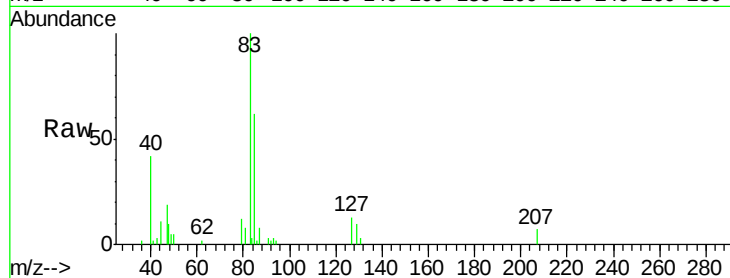
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 16890 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.4  | 51.6  | 77.4  |
| 127      | 12.8  | 7.2   | 10.8# |

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#48

Methyl methacrylate

Concen: 2.815 ug/l

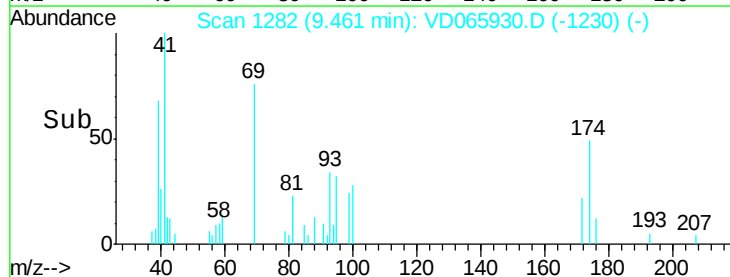
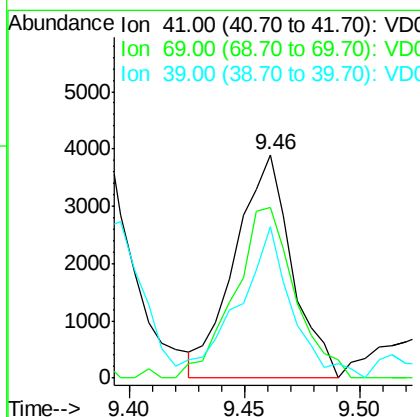
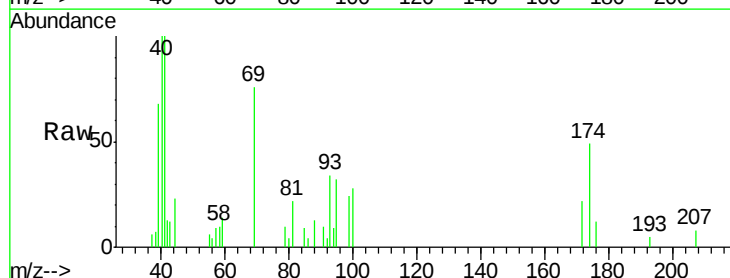
RT: 9.46 min Scan# 1282

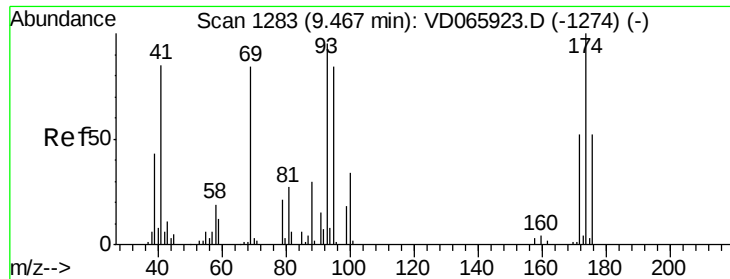
Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 6697  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 81.0  | 62.2  | 93.4  |
| 39       | 63.7  | 39.9  | 59.9# |





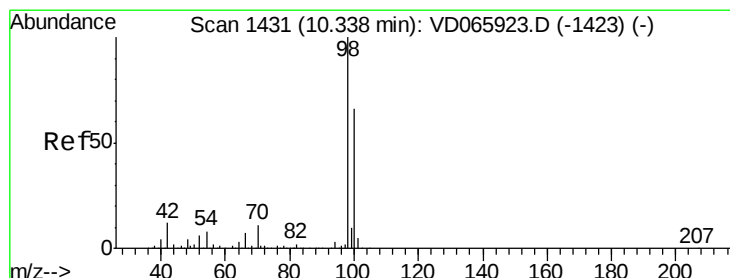
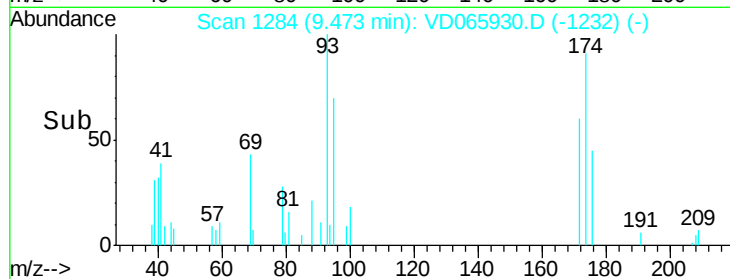
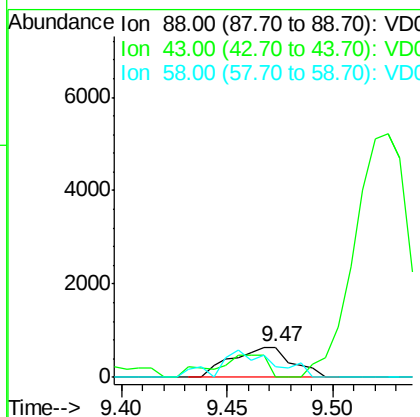
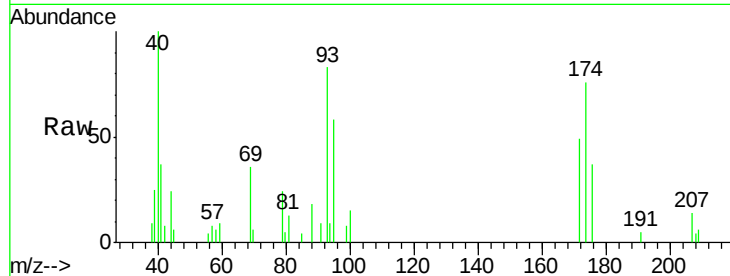
#49  
1,4-Dioxane  
Concen: 49.925 ug/l  
RT: 9.47 min Scan# 1284  
Delta R.T. 0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 62.2  | 28.2  | 42.4# |
| 58      | 81.5  | 58.6  | 87.8  |

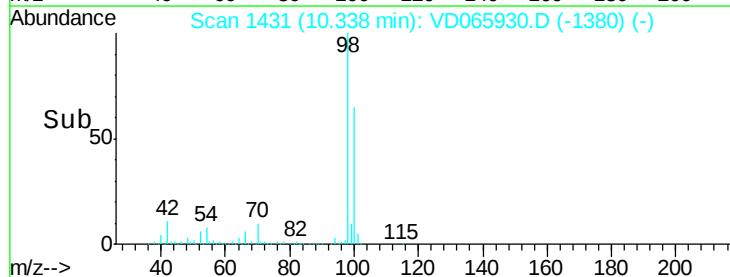
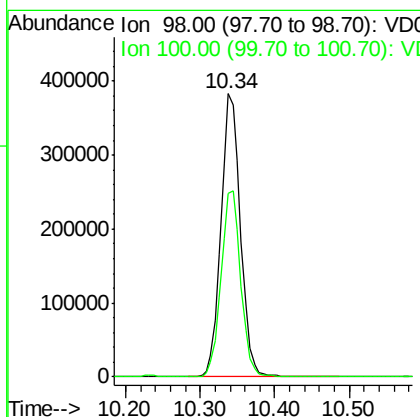
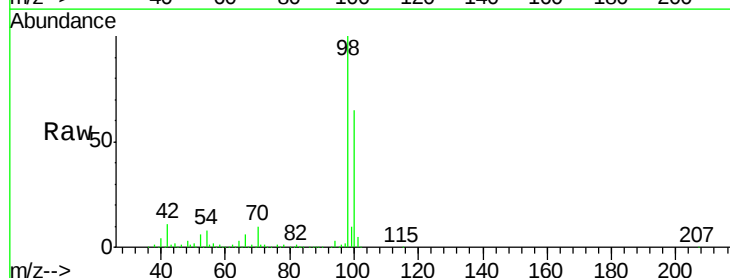
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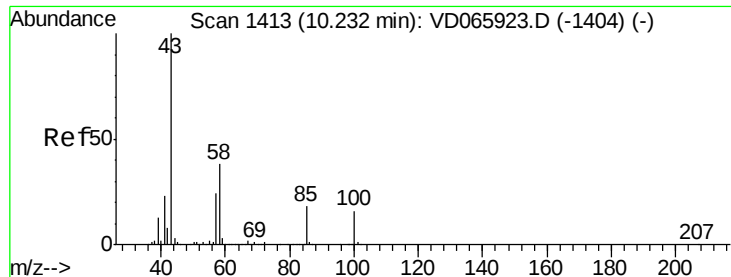
MMDadoda  
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#50  
Toluene-d8  
Concen: 50.355 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.3  | 53.1  | 79.7  |





#51

4-Methyl-2-Pentanone

Concen: 13.564 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 32402

Ion Ratio Lower Upper

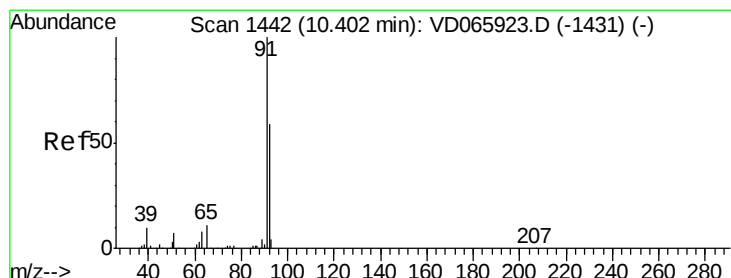
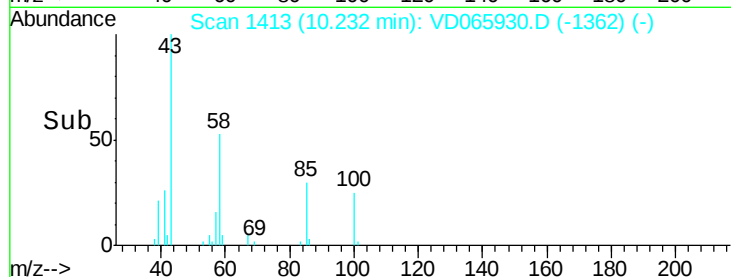
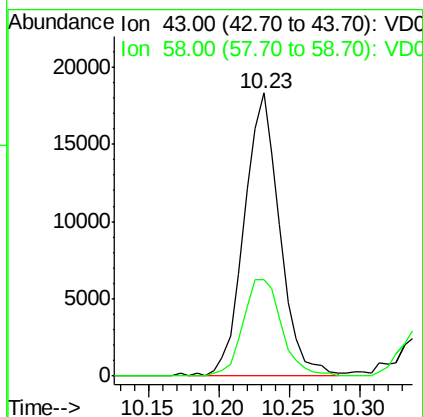
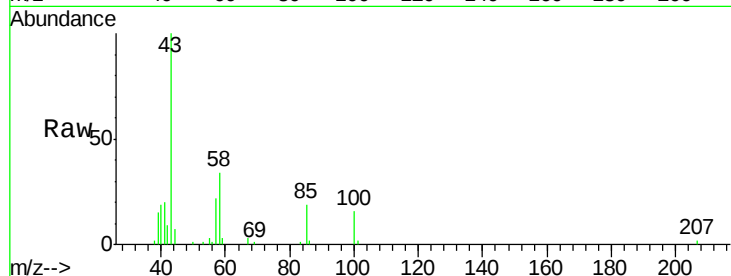
43 100

58 37.2 30.5 45.7

Manual Integrations  
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#52

Toluene

Concen: 2.929 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065930.D

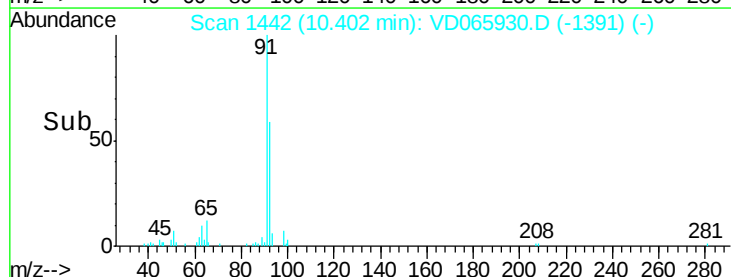
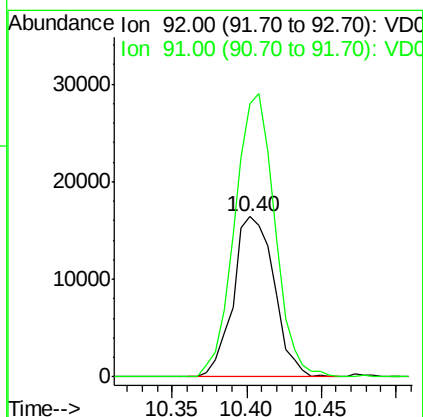
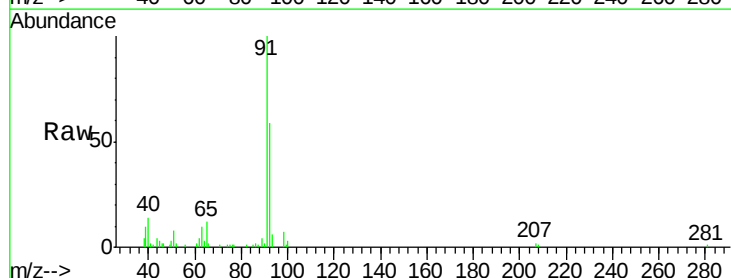
Acq: 07 Jul 2020 19:32

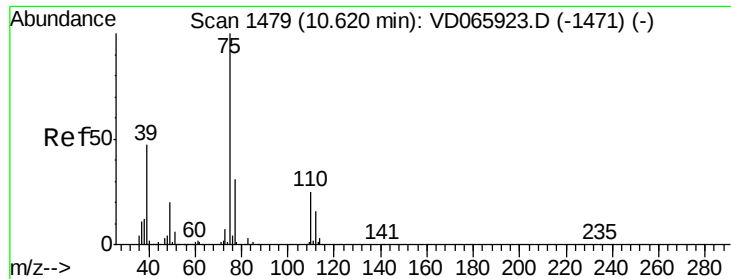
Tgt Ion: 92 Resp: 31186

Ion Ratio Lower Upper

92 100

91 173.2 136.0 204.0





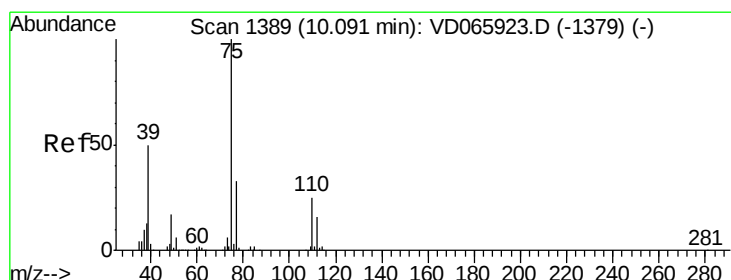
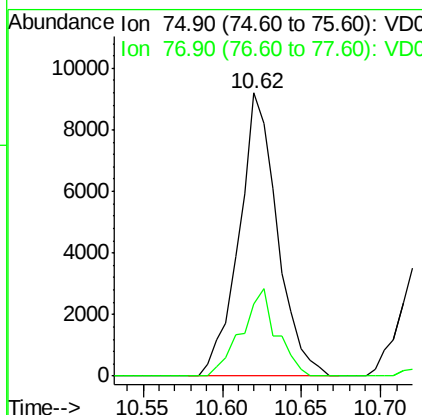
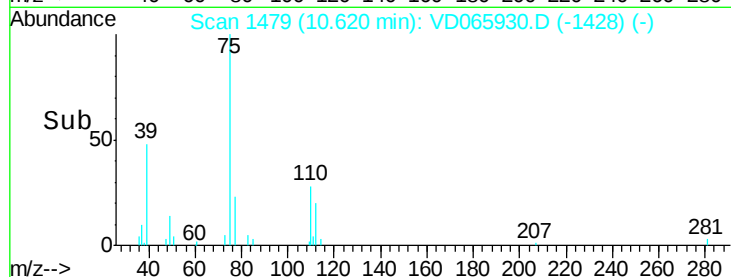
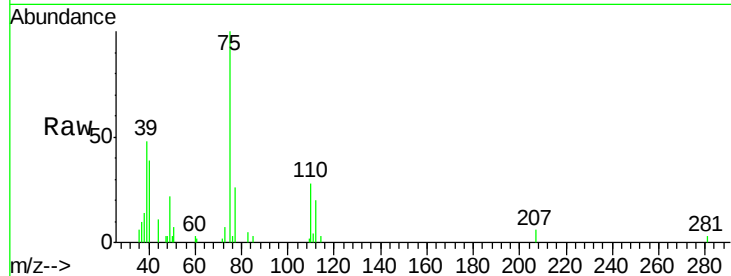
#53  
t-1,3-Dichloropropene  
Concen: 2.825 ug/l  
RT: 10.62 min Scan# 1479  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 75 Resp: 15411  
Ion Ratio Lower Upper  
75 100  
77 25.7 25.1 37.7

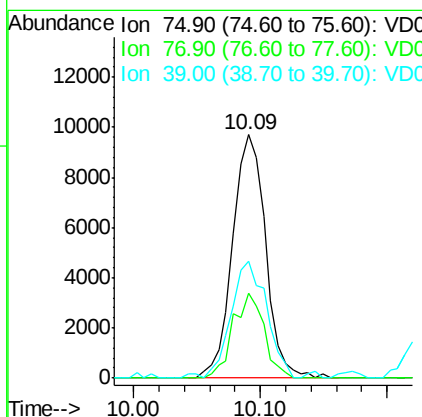
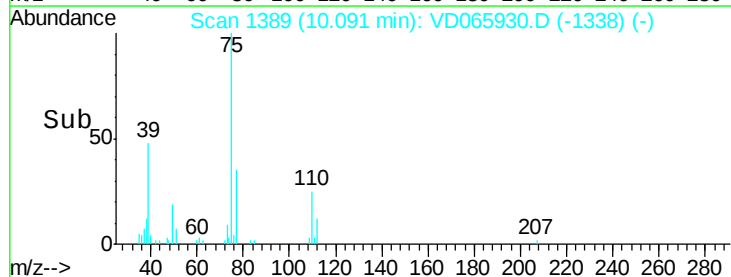
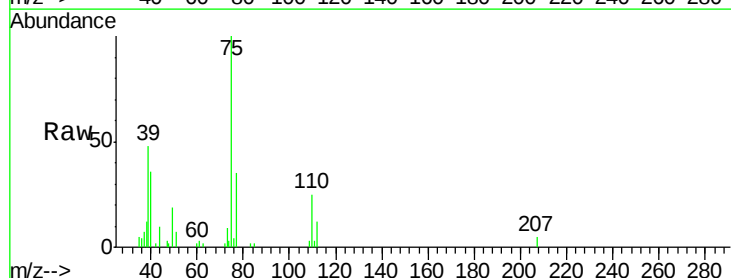
Manual Integrations  
APPROVED

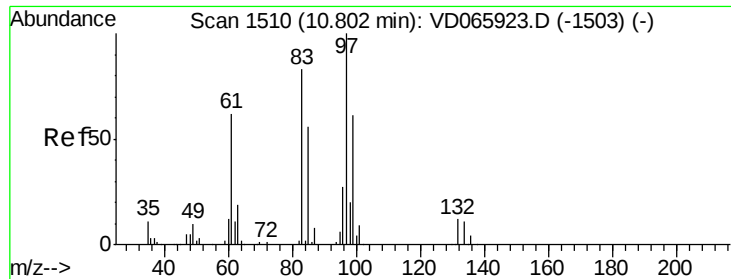
MMDadoda  
7/8/2020 12:05:19 PM



#54  
cis-1,3-Dichloropropene  
Concen: 2.659 ug/l  
RT: 10.09 min Scan# 1389  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Tgt Ion: 75 Resp: 17526  
Ion Ratio Lower Upper  
75 100  
77 35.0 26.6 39.8  
39 46.3 39.6 59.4





#55

1,1,2-Trichloroethane

Concen: 3.027 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

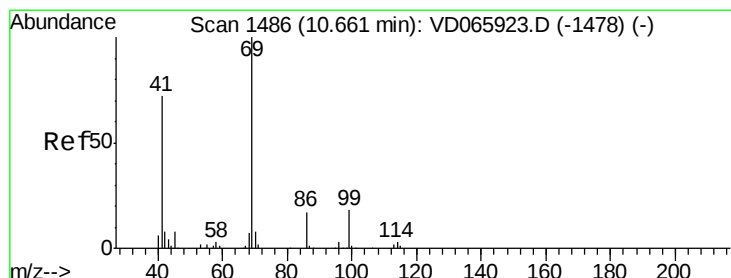
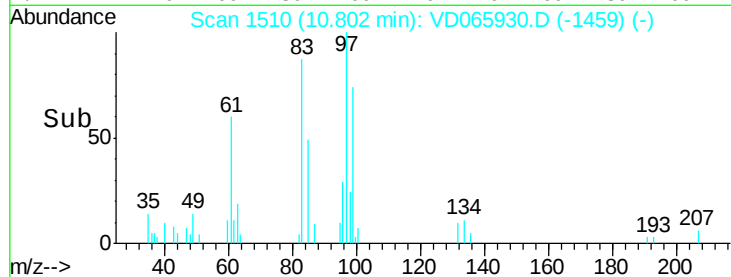
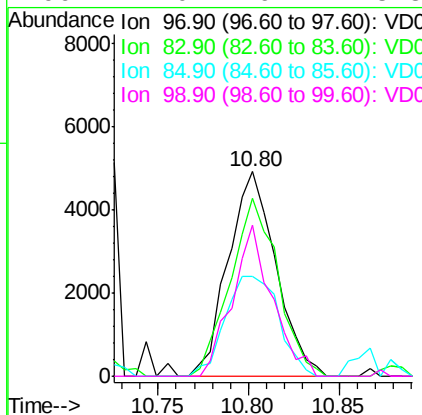
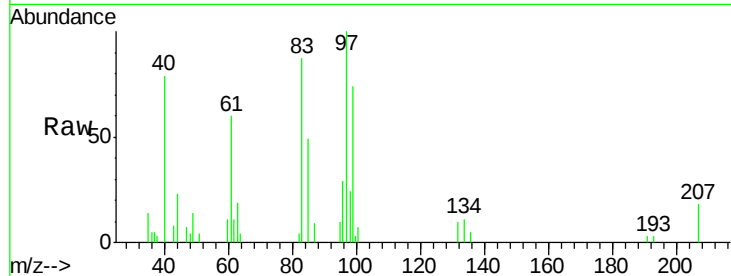
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 9021  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.3  | 66.9  | 100.3 |
| 85       | 49.2  | 44.5  | 66.7  |
| 99       | 74.0  | 49.2  | 73.8# |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 2.666 ug/l

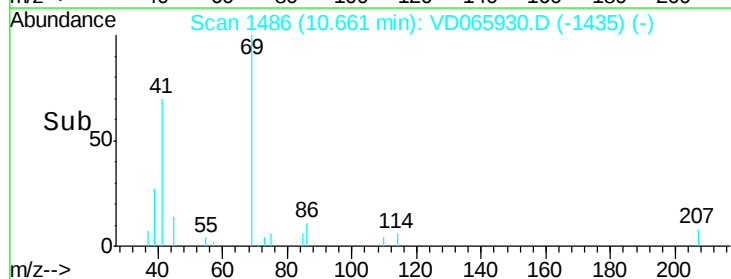
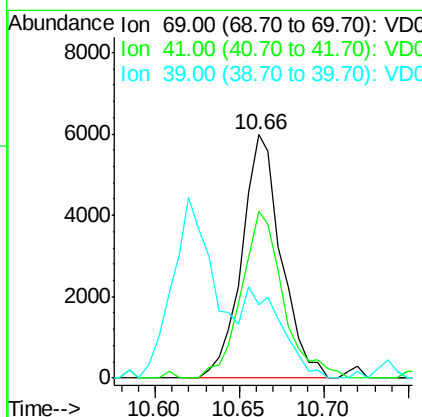
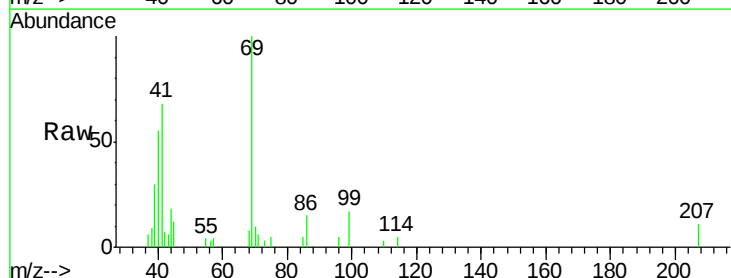
RT: 10.66 min Scan# 1486

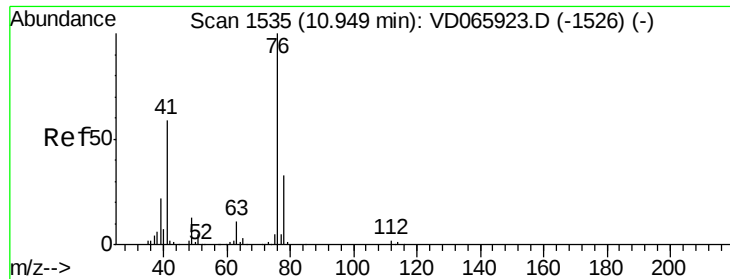
Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 9702  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 72.9  | 56.5  | 84.7  |
| 39       | 34.3  | 29.2  | 43.8  |





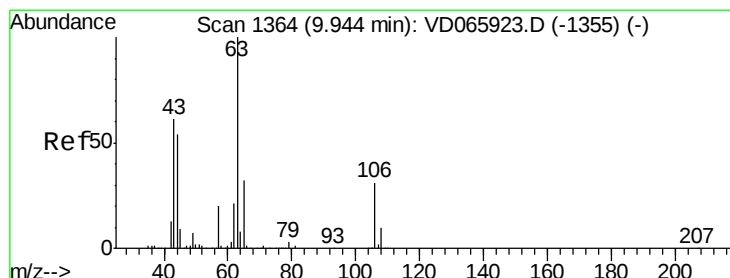
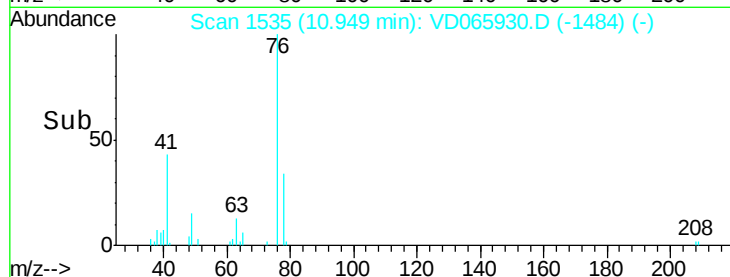
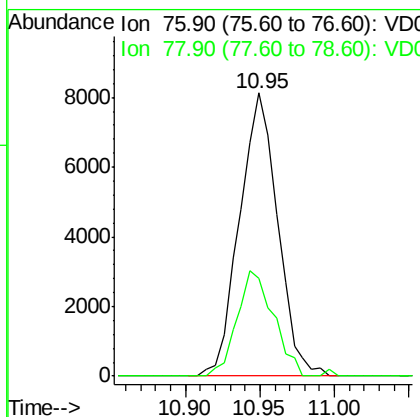
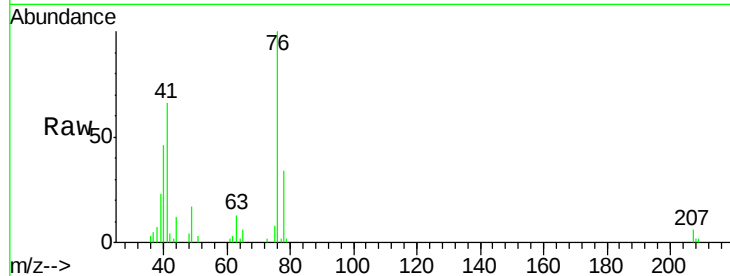
#57  
 1,3-Dichloropropane  
 Concen: 2.765 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 35.8  | 25.8  | 38.6  |

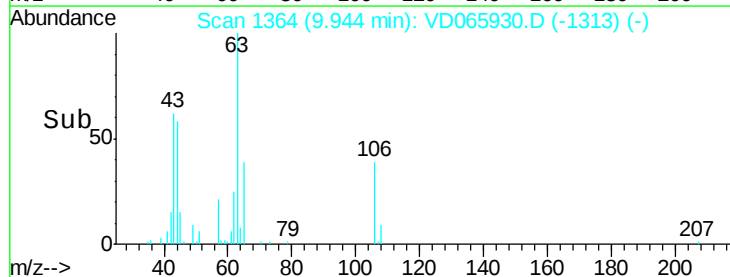
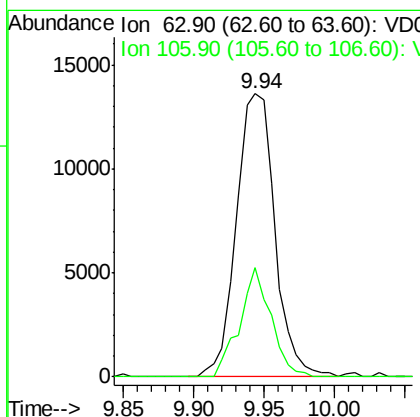
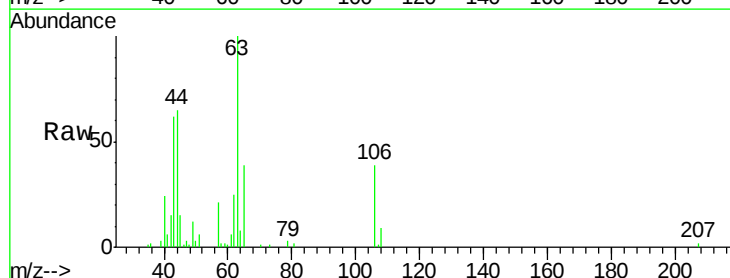
Manual Integrations  
 APPROVED

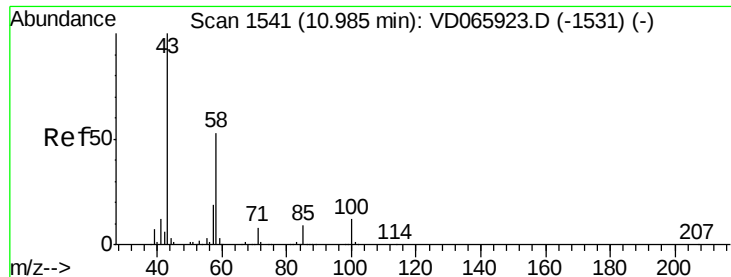
MMDadoda  
 7/8/2020 12:05:19 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 14.712 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 31.5  | 23.8  | 35.6  |





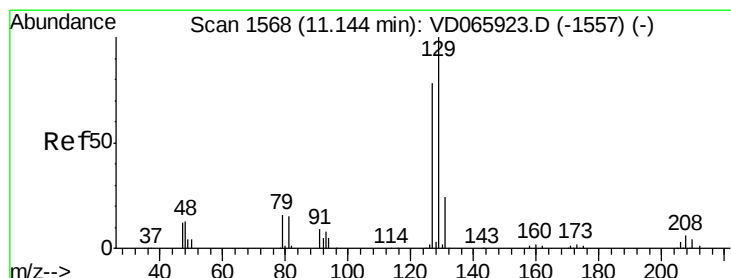
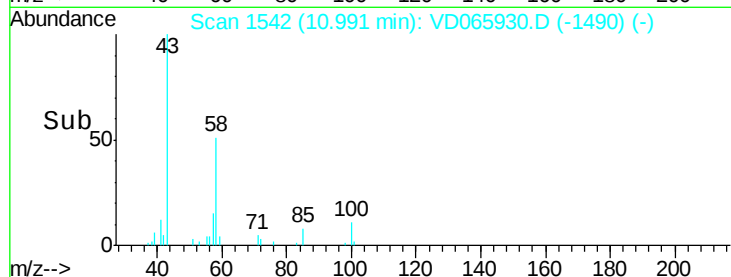
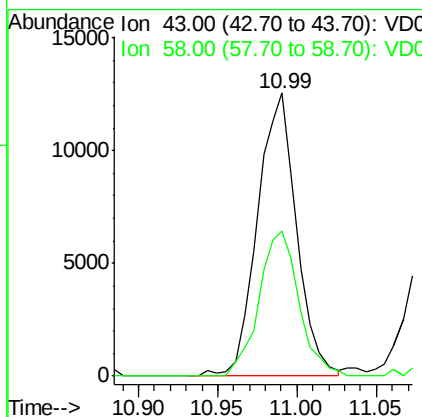
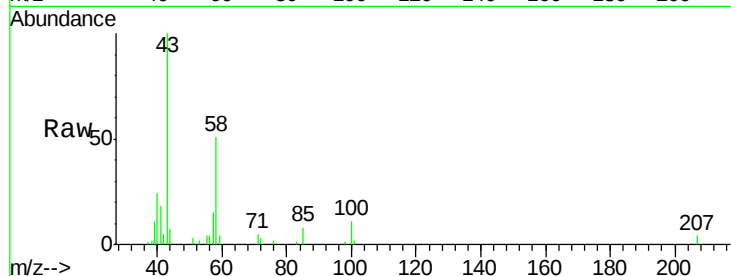
#59  
2-Hexanone  
Concen: 13.072 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 21476  
Ion Ratio Lower Upper  
43 100  
58 52.4 26.6 79.8

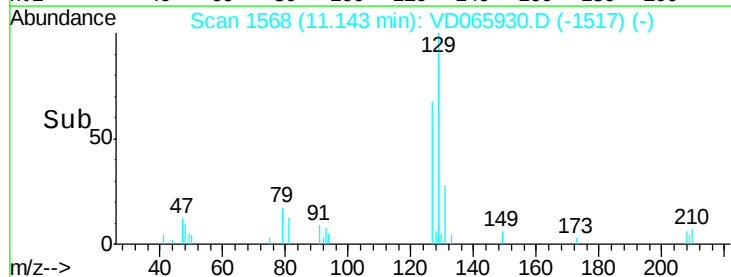
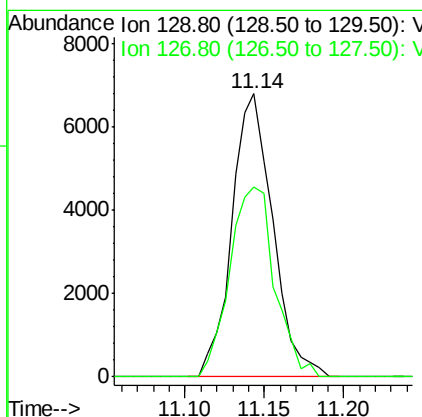
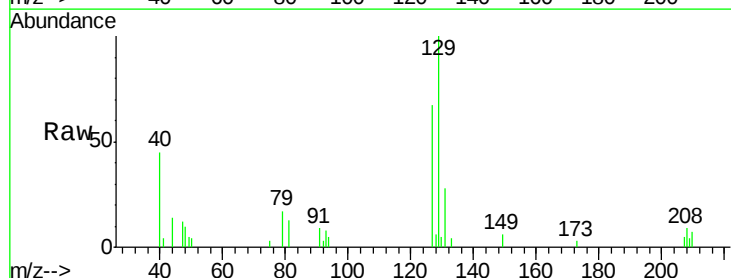
Manual Integrations  
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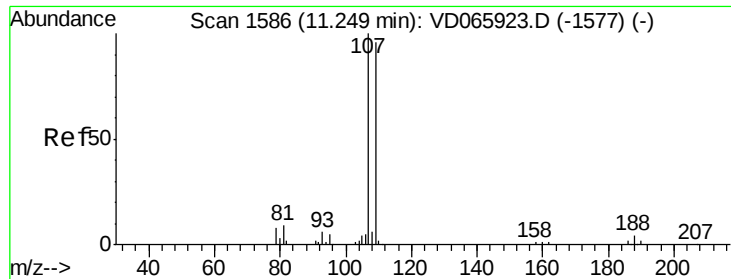
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 2.990 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Tgt Ion: 129 Resp: 12174  
Ion Ratio Lower Upper  
129 100  
127 73.6 38.8 116.4





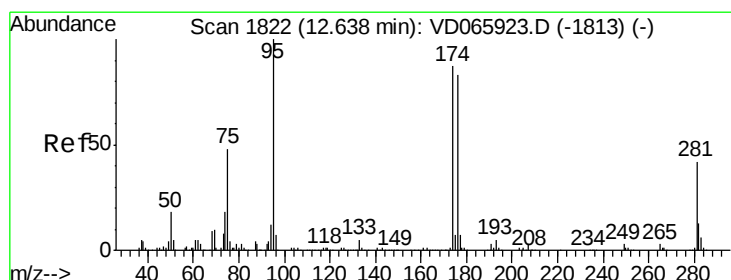
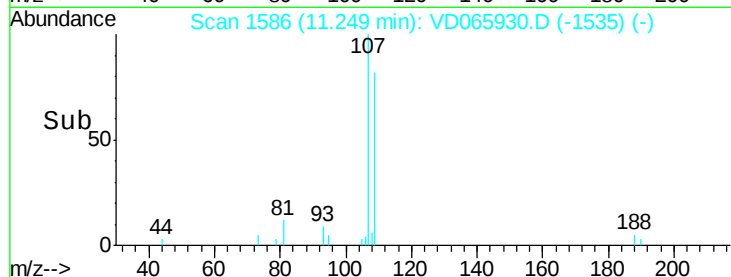
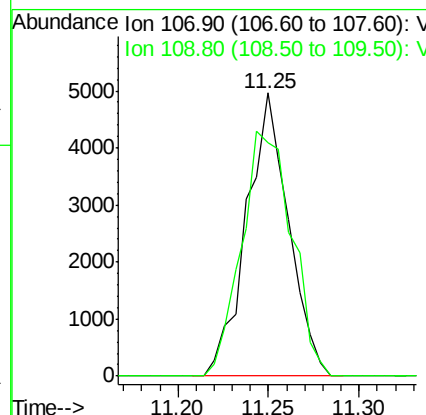
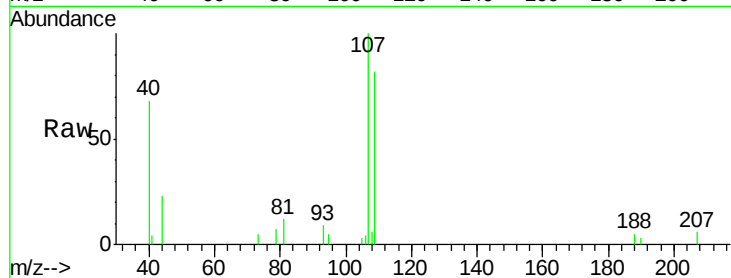
#61  
 1,2-Dibromoethane  
 Concen: 2.700 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 107 Resp: 8023  
 Ion Ratio Lower Upper  
 107 100  
 109 102.9 75.4 113.0

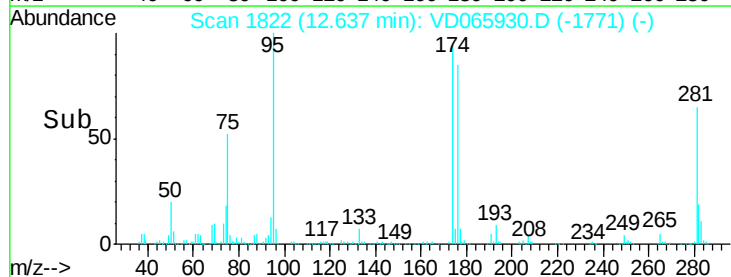
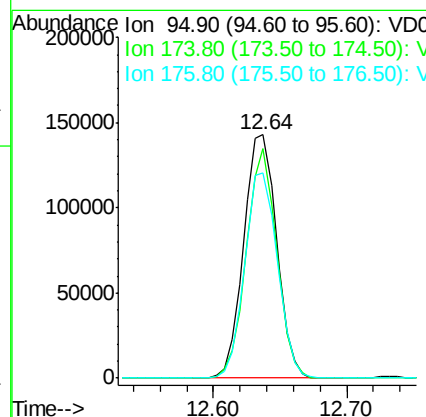
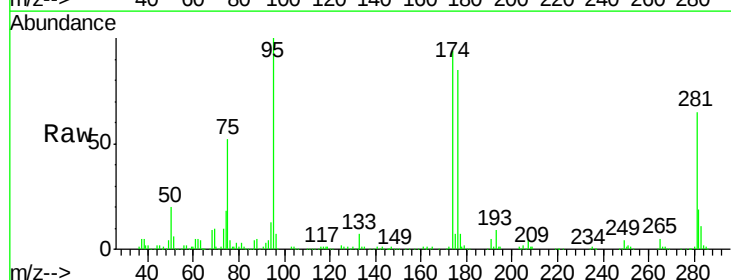
Manual Integrations  
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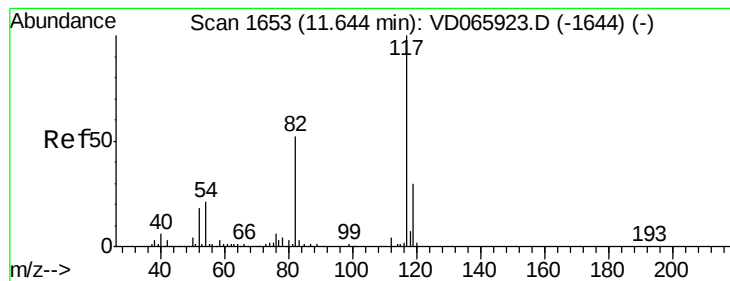
MMDadoda  
 7/8/2020 12:05:19 PM



#62  
 4-Bromofluorobenzene  
 Concen: 51.465 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Tgt Ion: 95 Resp: 244024  
 Ion Ratio Lower Upper  
 95 100  
 174 86.6 0.0 169.4  
 176 83.7 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: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

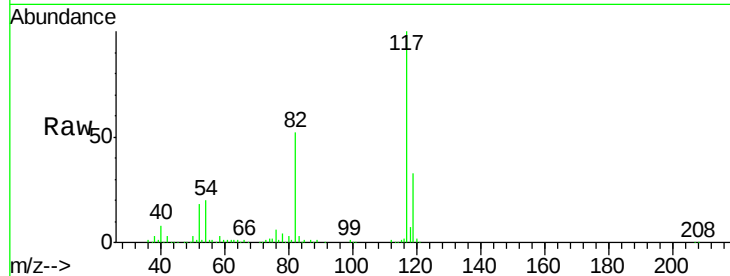
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

| Tot Ion   | 117   | Resp  | 567032 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 51.9  | 41.8  | 62.8   |
| 119       | 33.3  | 24.3  | 36.5   |

Manual Integrations  
APPROVED

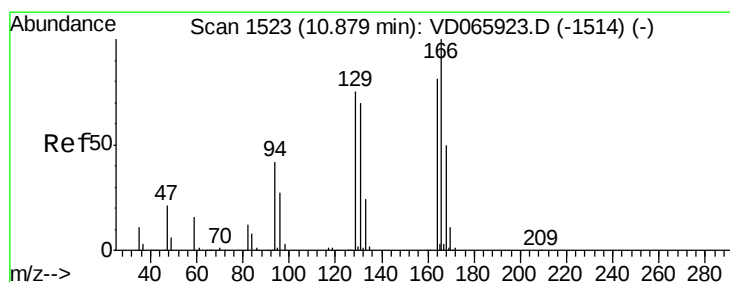
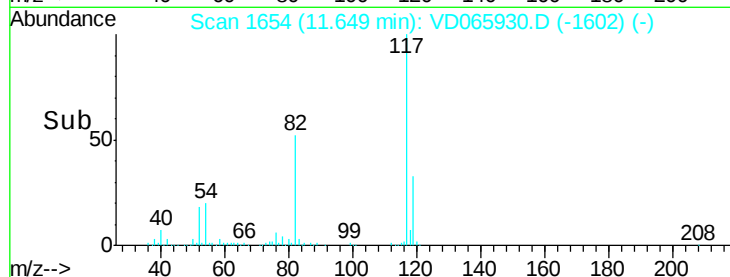
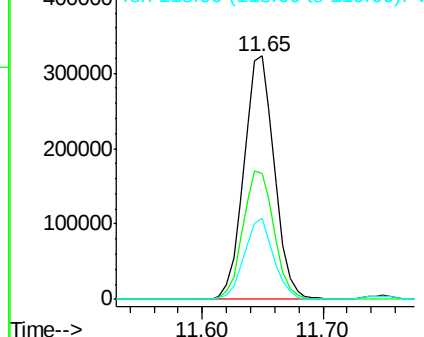
MMDadoda  
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 3.431 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

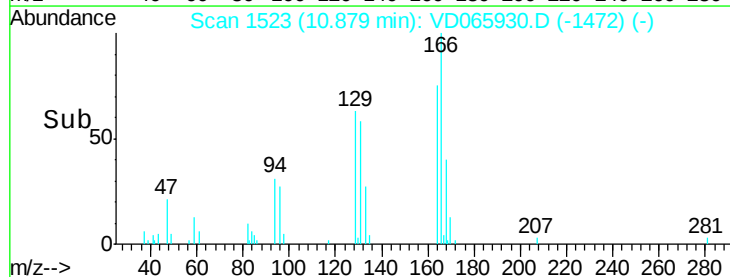
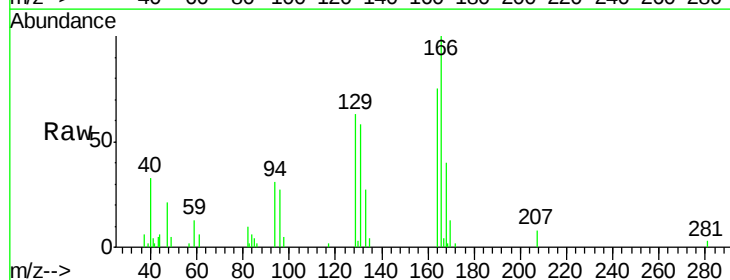
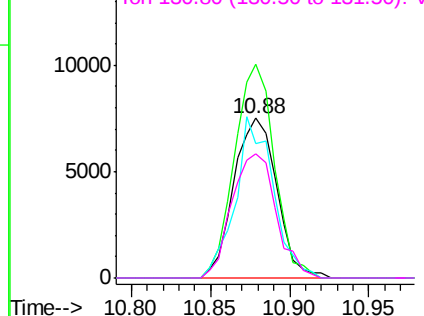
| Tgt Ion   | 164   | Resp  | 14149 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 133.7 | 99.0  | 148.4 |
| 129       | 84.1  | 73.9  | 110.9 |
| 131       | 77.9  | 69.6  | 104.4 |

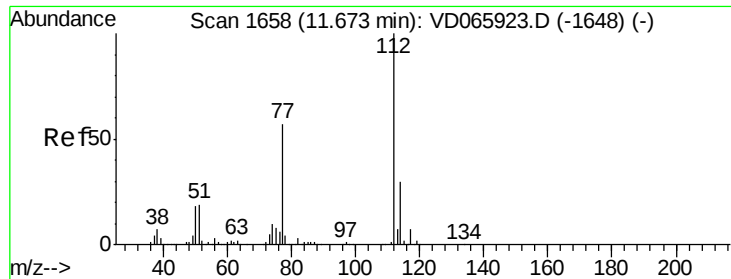
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 2.999 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:112 Resp: 34269

Ion Ratio Lower Upper

112 100

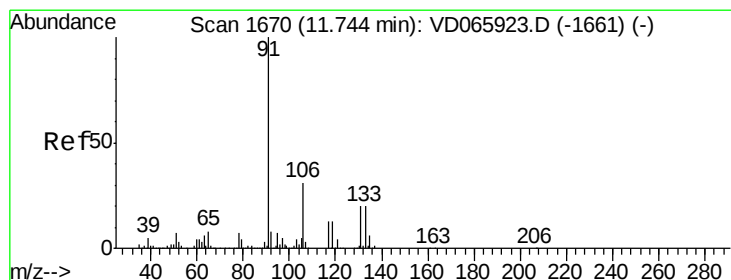
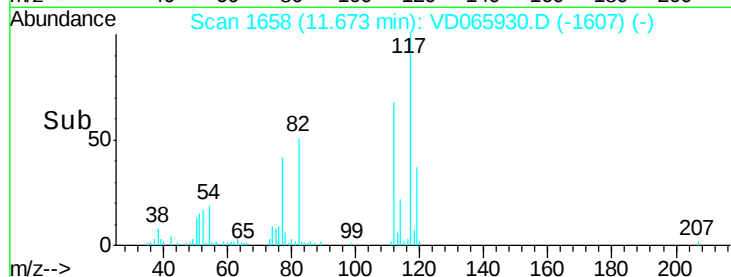
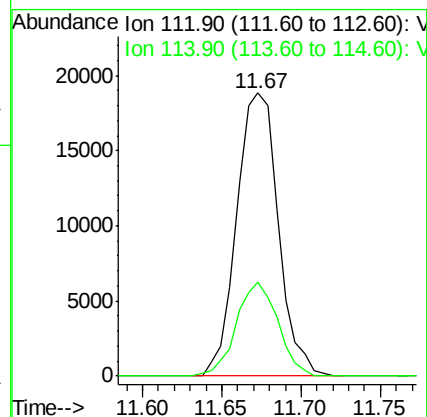
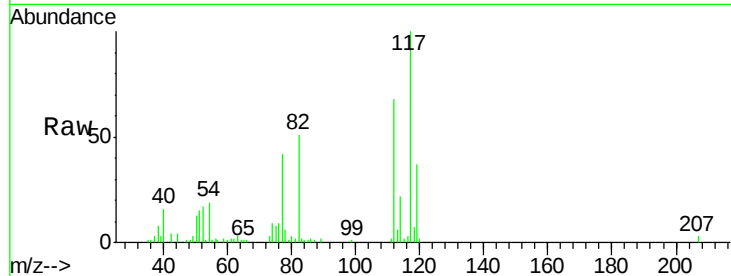
114 33.0 24.2 36.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 2.899 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

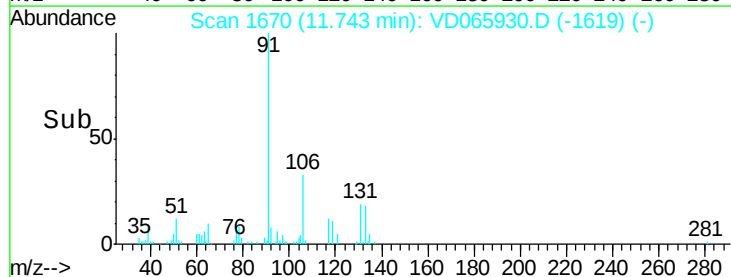
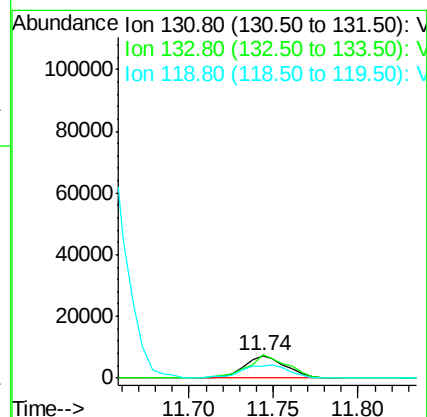
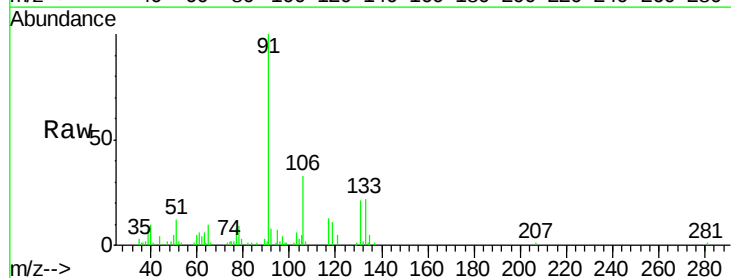
Tgt Ion:131 Resp: 12392

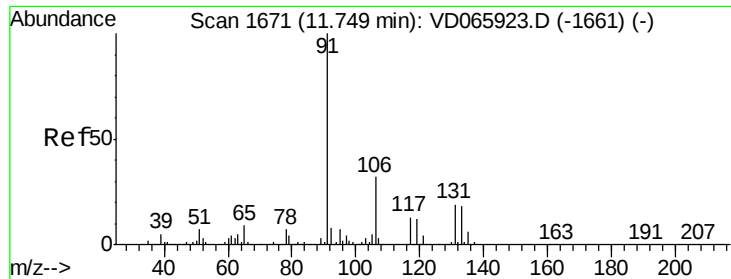
Ion Ratio Lower Upper

131 100

133 103.0 47.9 143.6

119 65.3 31.9 95.9





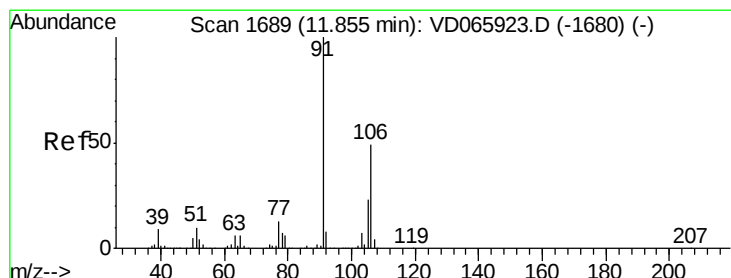
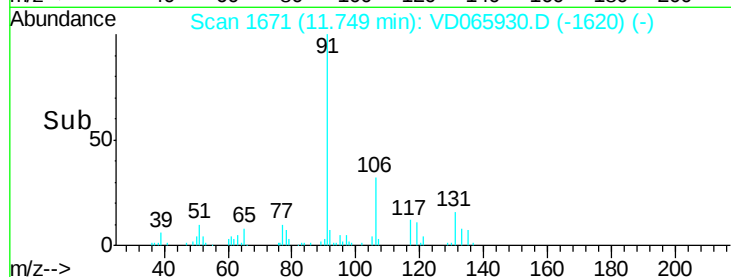
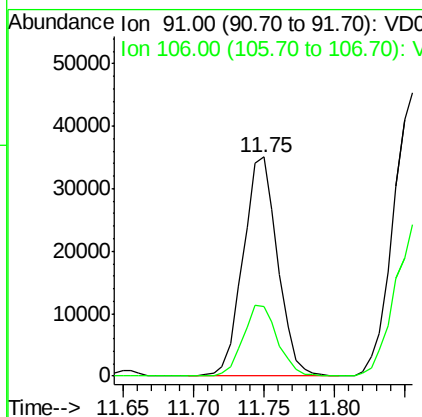
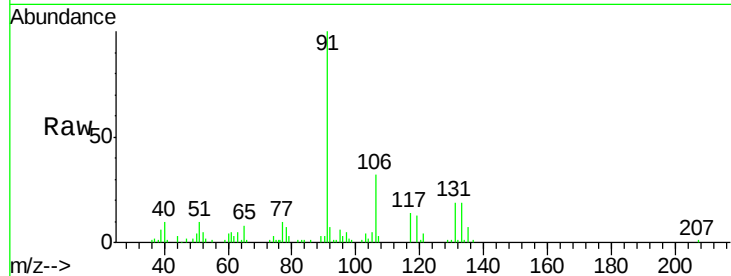
#67  
Ethyl Benzene  
Concen: 2.960 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 91 Resp: 60083  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.2 37.8

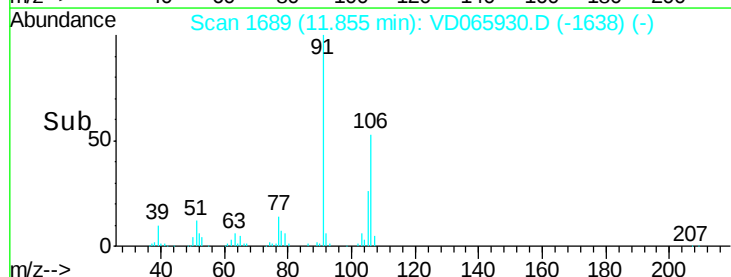
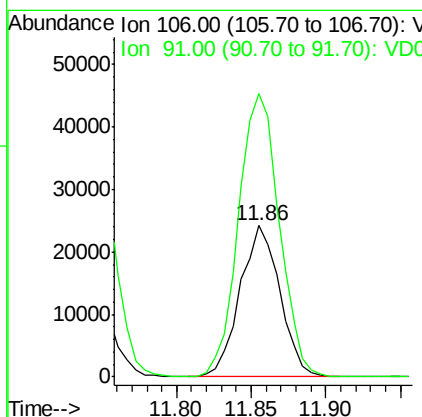
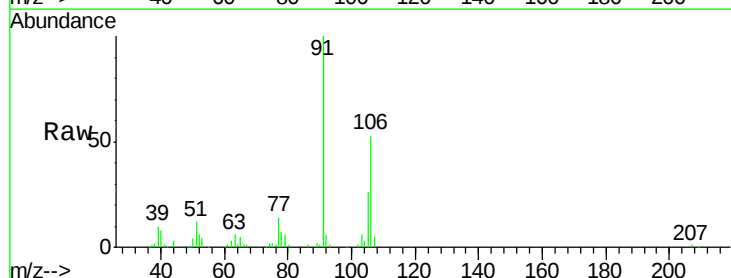
Manual Integrations  
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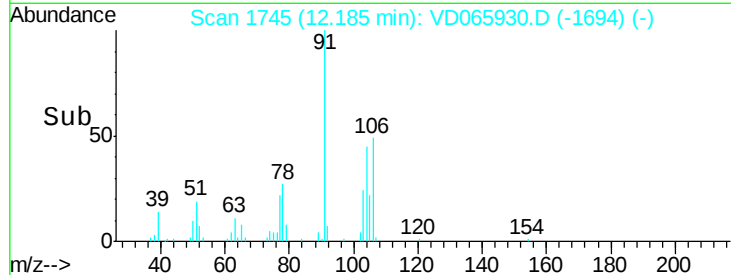
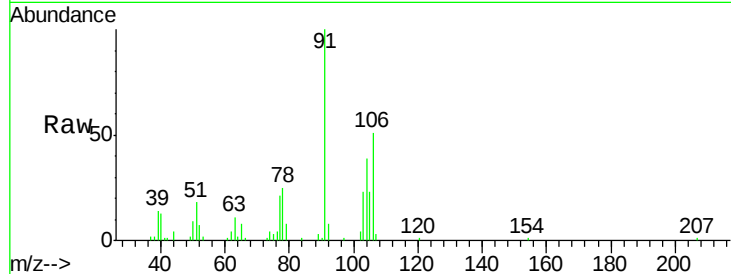
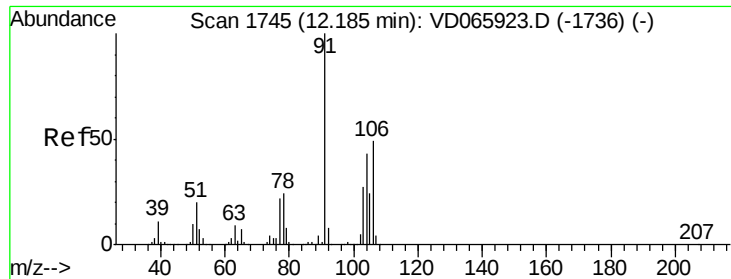
MMDadoda  
7/8/2020 12:05:19 PM



#68  
m/p-Xylenes  
Concen: 5.799 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Tgt Ion: 106 Resp: 44723  
Ion Ratio Lower Upper  
106 100  
91 192.2 158.2 237.2





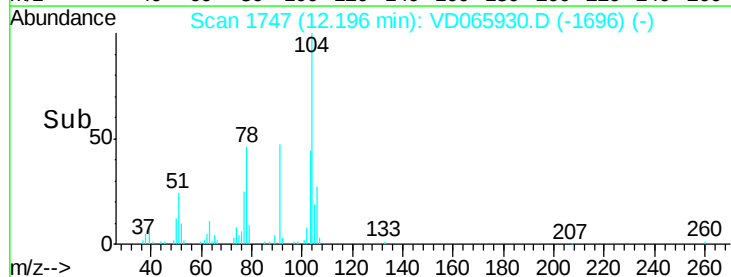
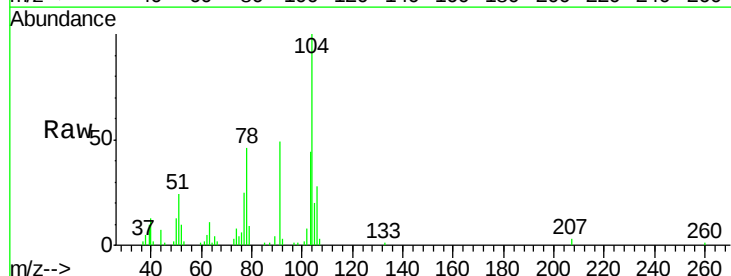
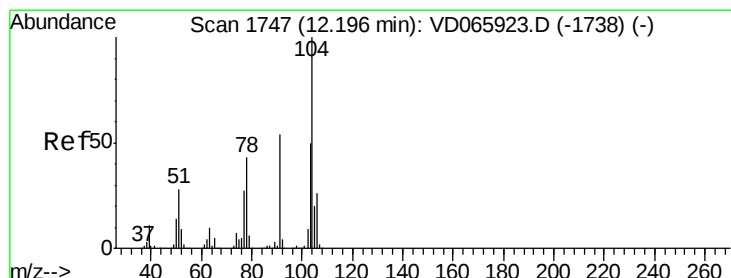
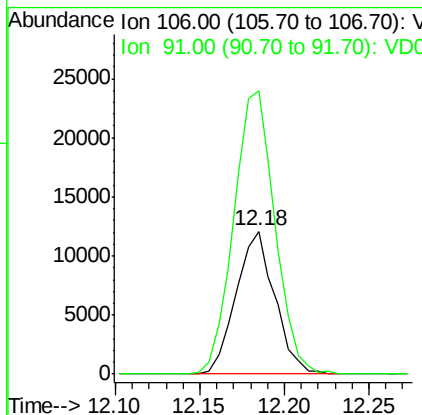
#69  
o-Xylene  
Concen: 2.733 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Tot Ion:106 Resp: 19201  
Ion Ratio Lower Upper  
106 100  
91 211.3 104.1 312.2

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

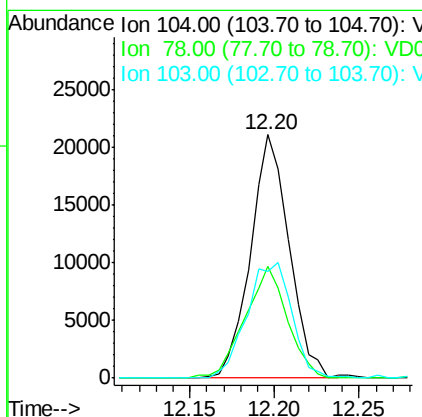
Manual Integrations  
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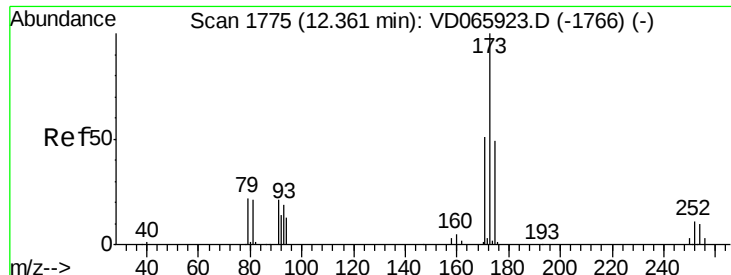
MMDadoda  
7/8/2020 12:05:19 PM



#70  
Styrene  
Concen: 2.763 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Tgt Ion:104 Resp: 33504  
Ion Ratio Lower Upper  
104 100  
78 50.0 38.8 58.2  
103 55.3 43.6 65.4





#71

Bromoform

Concen: 2.899 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

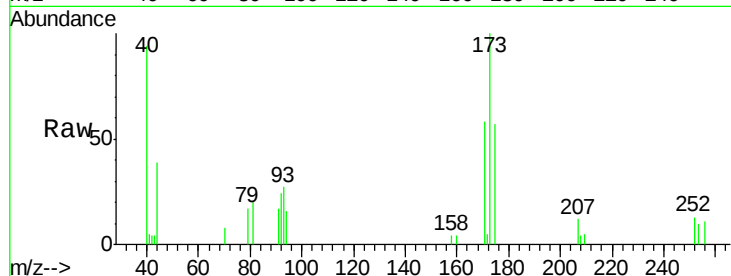
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

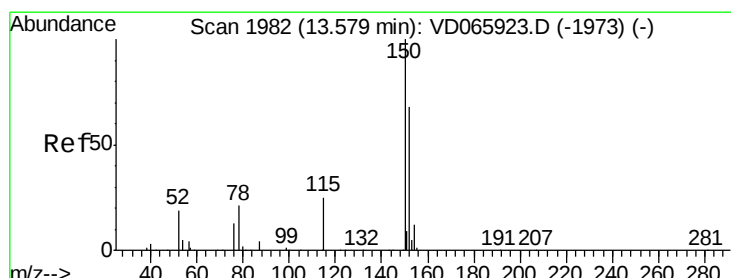
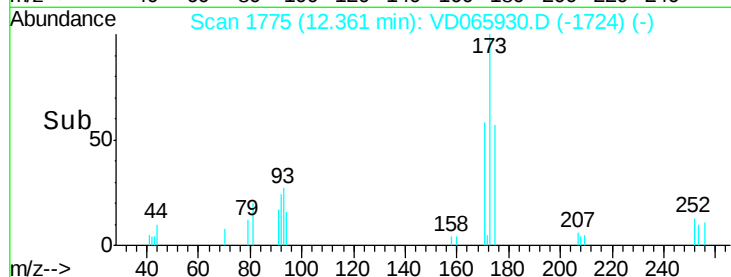
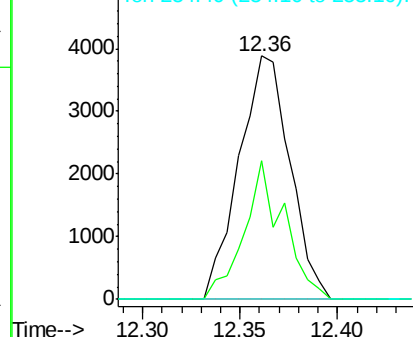
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 173   | Resp: | 7010 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 44.6  | 24.2  | 72.6 |
| 254       | 0.0   | 0.0   | 0.0  |

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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

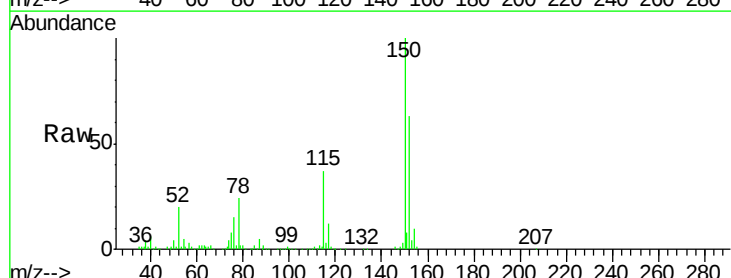
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

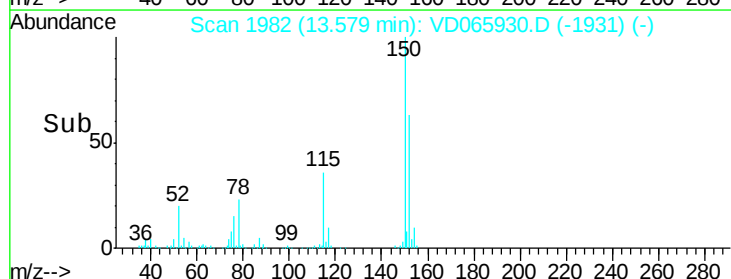
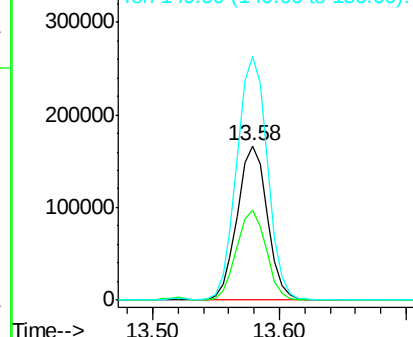
Lab File: VD065930.D

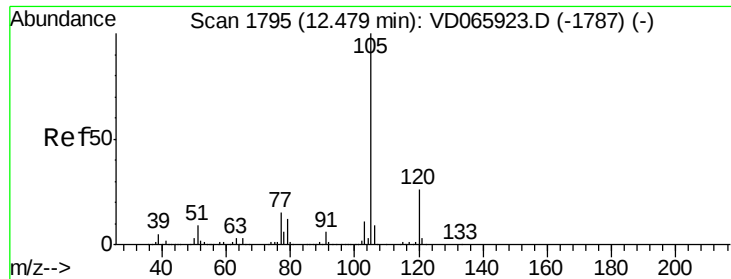
Acq: 07 Jul 2020 19:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 271798 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 57.3  | 27.8  | 83.3   |
| 150       | 161.5 | 0.0   | 347.2  |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





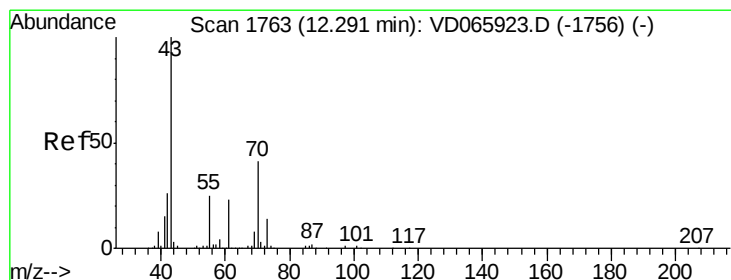
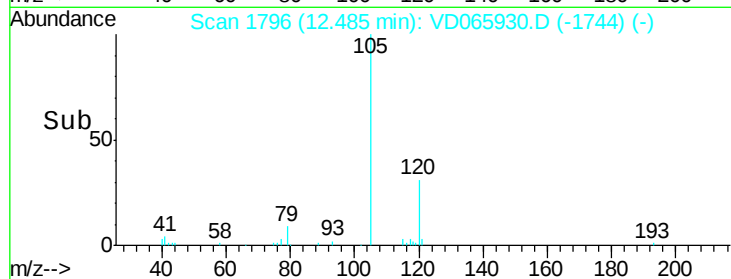
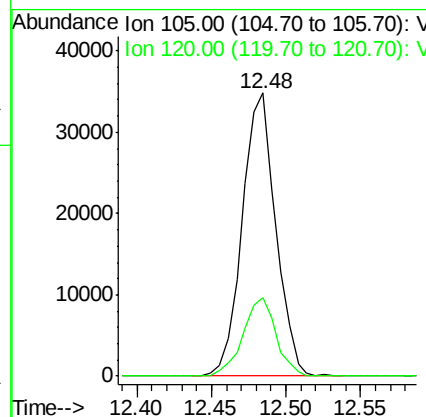
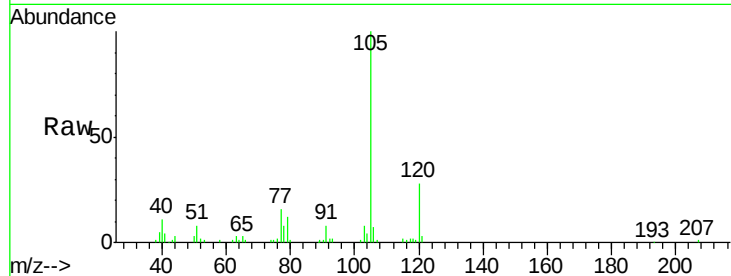
#73  
Isopropylbenzene  
Concen: 2.848 ug/l  
RT: 12.48 min Scan# 1796  
Delta R.T. 0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.3  | 13.3  | 39.8  |

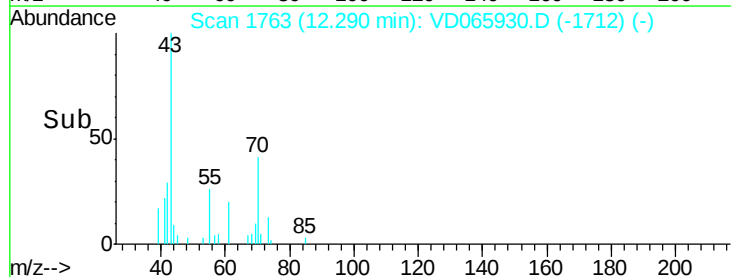
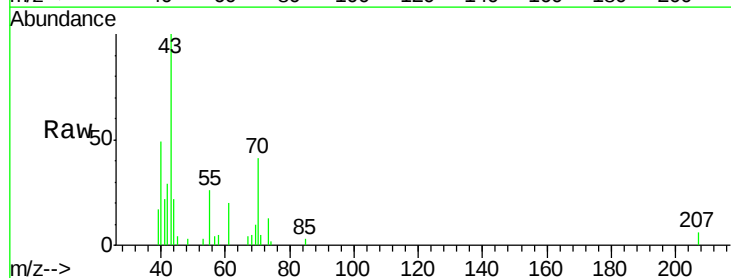
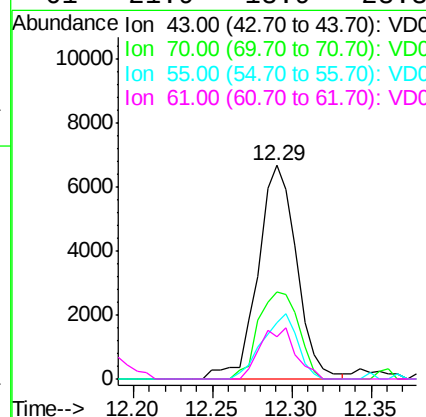
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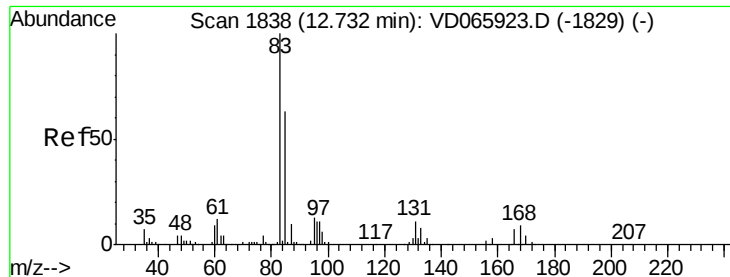
MMDadoda  
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#74  
N-ethyl acetate  
Concen: 2.676 ug/l  
RT: 12.29 min Scan# 1763  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 42.1  | 33.6  | 50.4  |
| 55      | 27.8  | 20.1  | 30.1  |
| 61      | 21.9  | 18.9  | 28.3  |





#75

1,1,2,2-Tetrachloroethane

Concen: 3.077 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

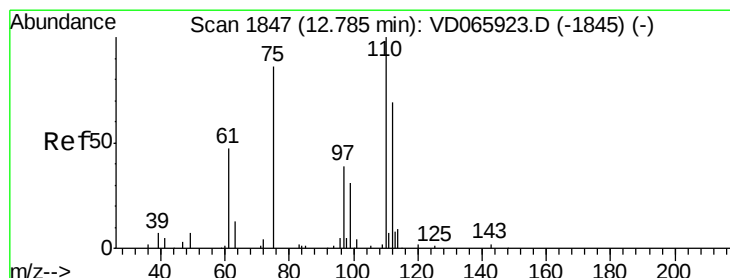
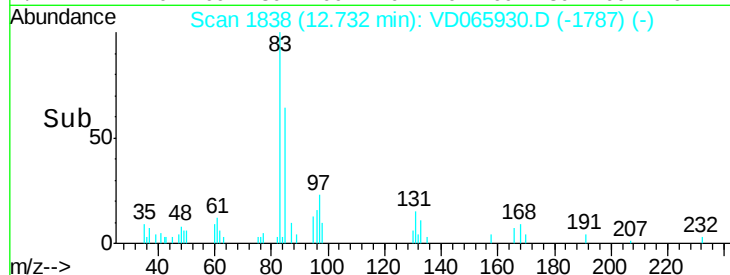
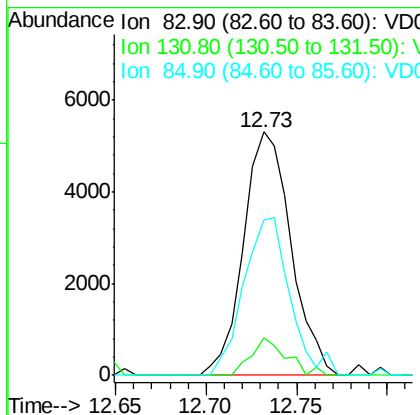
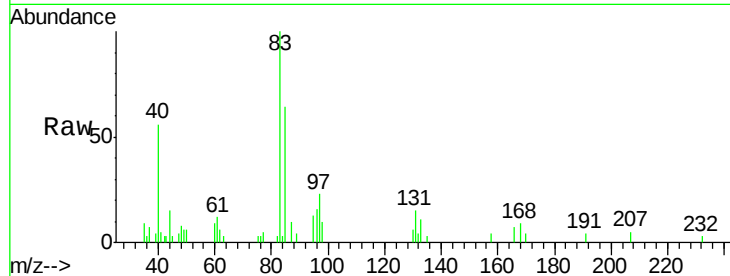
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 9690  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.4  | 5.6   | 16.8  |
| 85       | 62.6  | 32.6  | 98.0  |

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#76

1,2,3-Trichloropropane

Concen: 2.285 ug/l m

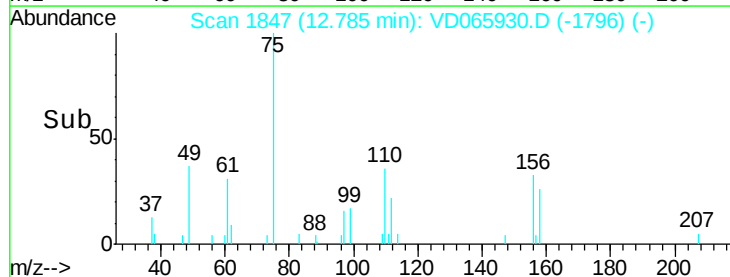
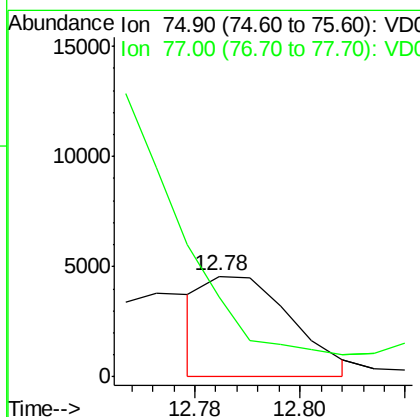
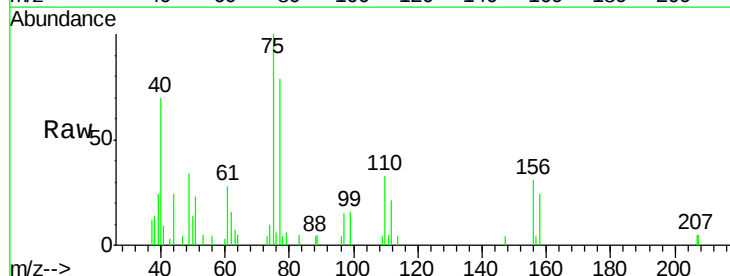
RT: 12.78 min Scan# 1847

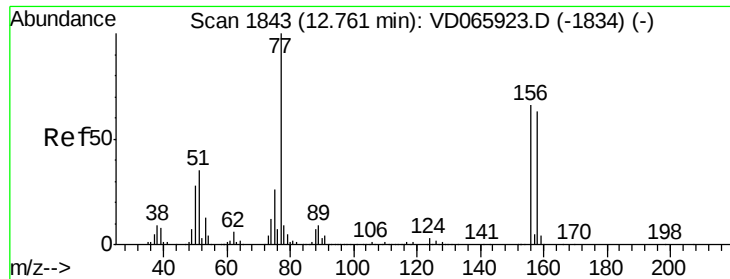
Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5210  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 495.3 | 0.0   | 0.0#  |





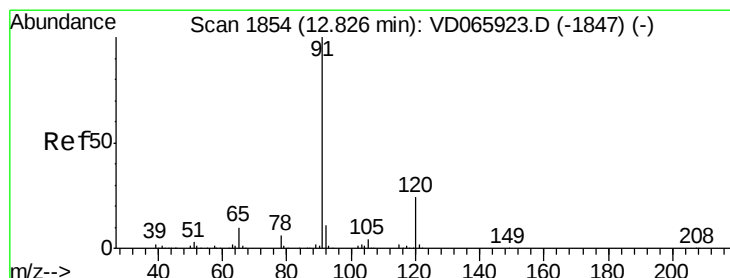
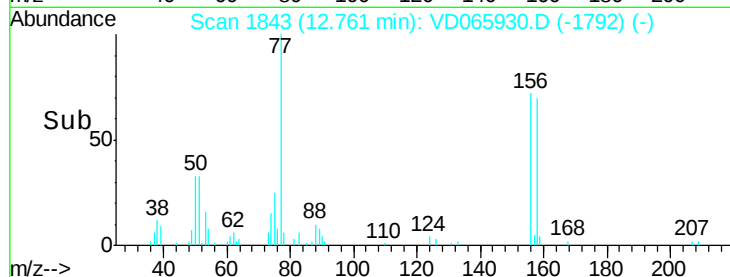
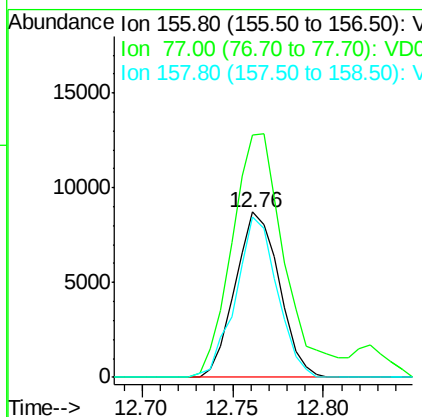
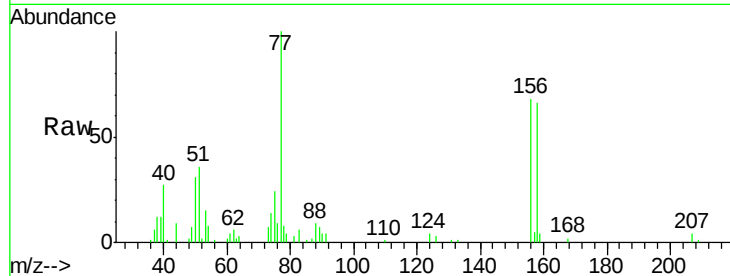
#77  
Bromobenzene  
Concen: 3.200 ug/l  
RT: 12.76 min Scan# 1843  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 175.3 | 85.0  | 255.0 |
| 158     | 91.2  | 49.0  | 147.0 |

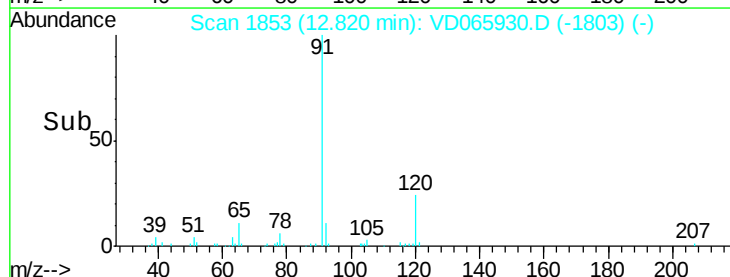
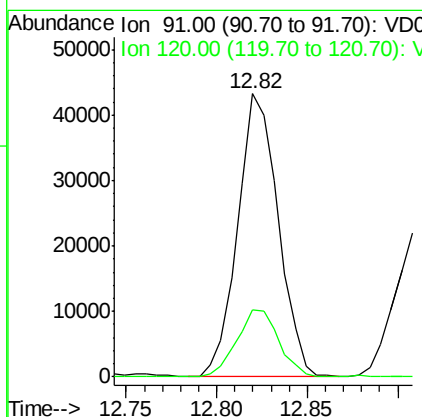
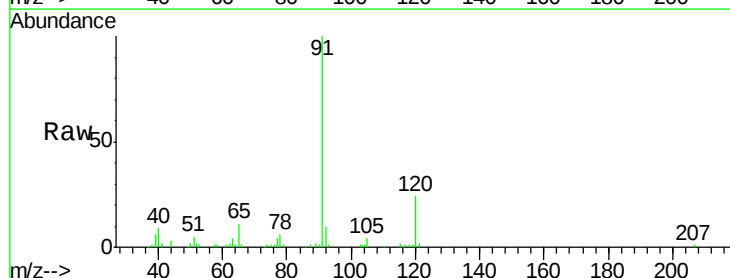
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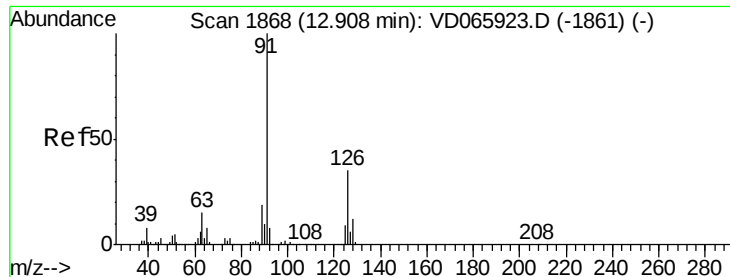
MMDadoda  
7/8/2020 12:05:19 PM



#78  
n-propylbenzene  
Concen: 3.027 ug/l  
RT: 12.82 min Scan# 1853  
Delta R.T. -0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.5  | 11.8  | 35.4  |





#79

2-Chlorotoluene

Concen: 2.896 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

ClientSampled :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 91 Resp: 36531

Ion Ratio Lower Upper

91 100

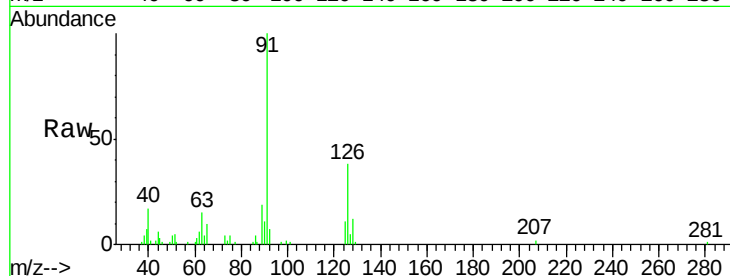
126 36.6 17.6 52.8

Manual Integrations

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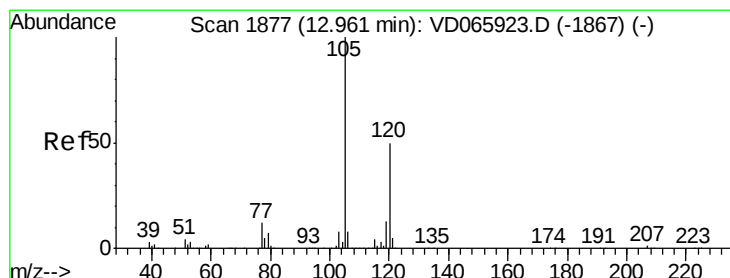
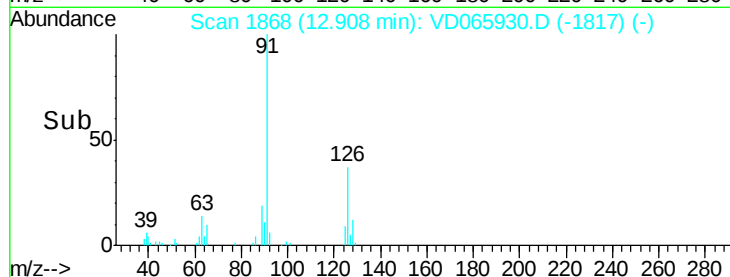


Abundance Ion 91.00 (90.70 to 91.70): VD065930.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD065930.D (-1817) (-)

12.91

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.995 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD065930.D

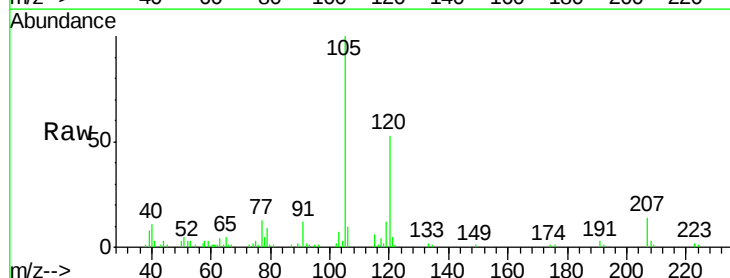
Acq: 07 Jul 2020 19:32

Tgt Ion:105 Resp: 46472

Ion Ratio Lower Upper

105 100

120 48.6 25.2 75.6

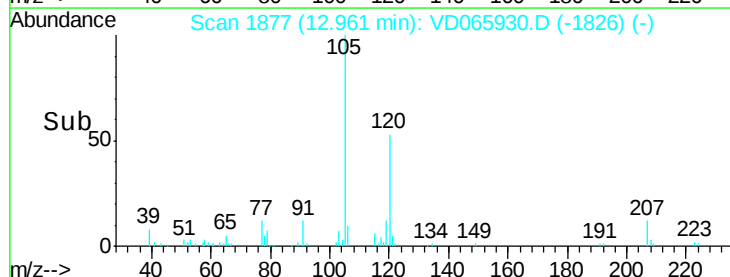


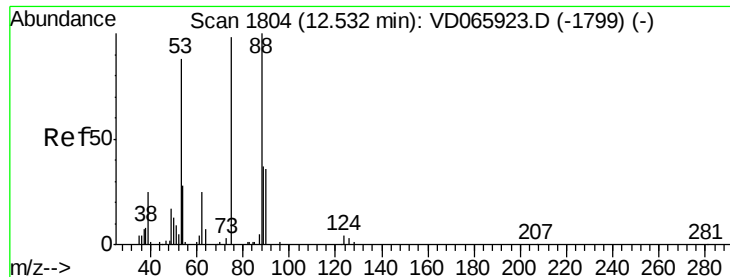
Abundance Ion 105.00 (104.70 to 105.70): VD065930.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD065930.D (-1826) (-)

12.96

Time-->





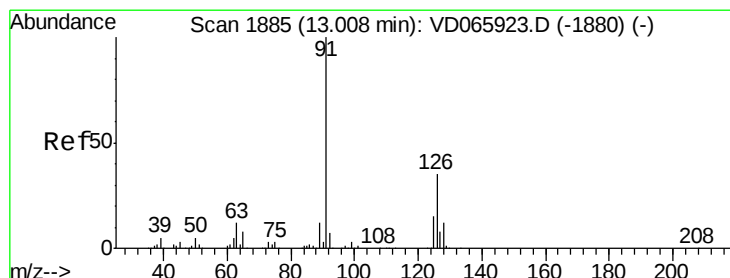
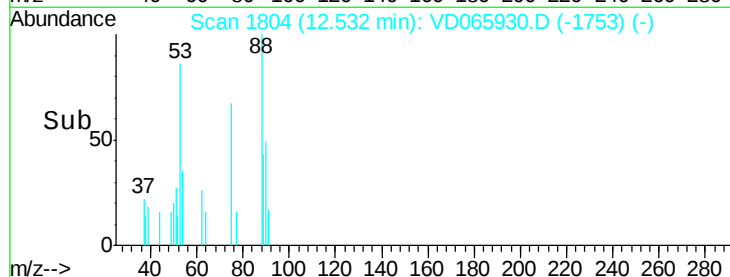
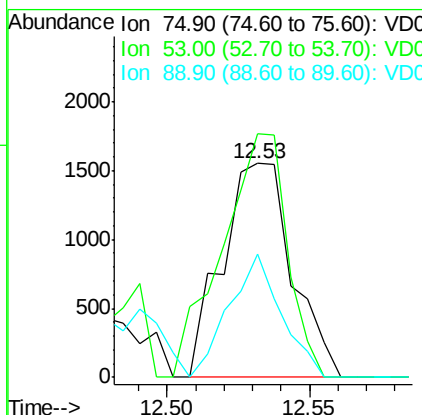
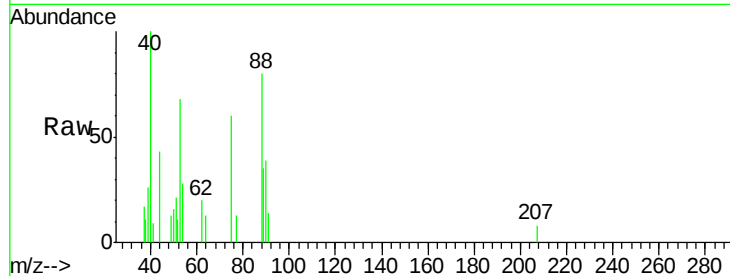
#81  
trans-1,4-Dichloro-2-butene  
Concen: 2.525 ug/l m  
RT: 12.53 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 75 Resp: 2679  
Ion Ratio Lower Upper  
75 100  
53 3.2 75.8 113.8#  
89 38.7 37.5 56.3

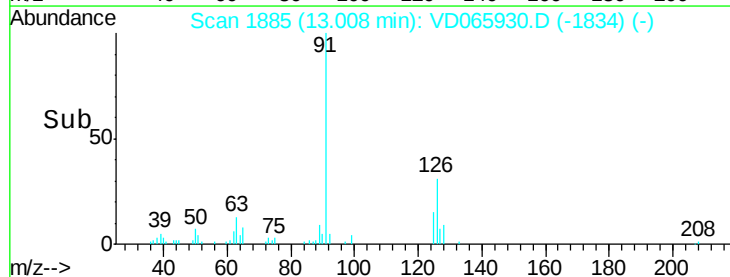
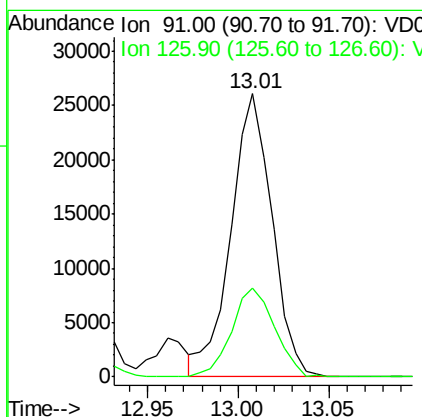
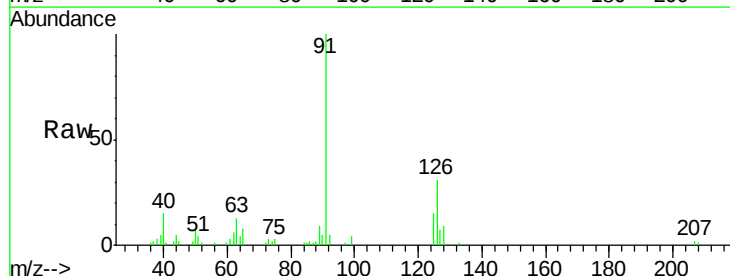
Manual Integrations  
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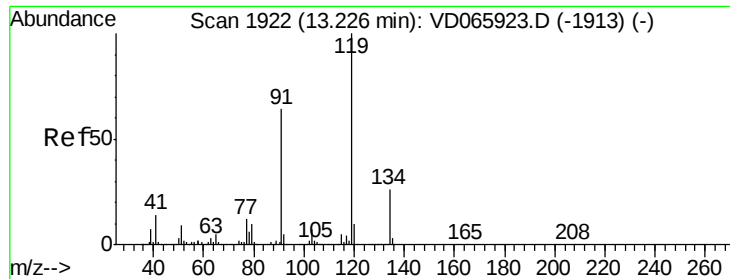
MMDadoda  
7/8/2020 12:05:19 PM



#82  
4-Chlorotoluene  
Concen: 3.108 ug/l  
RT: 13.01 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Tgt Ion: 91 Resp: 41135  
Ion Ratio Lower Upper  
91 100  
126 32.9 17.3 51.7





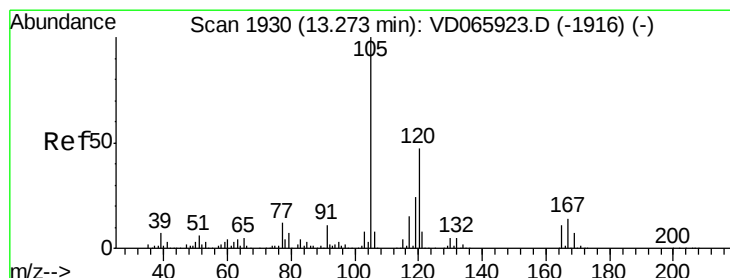
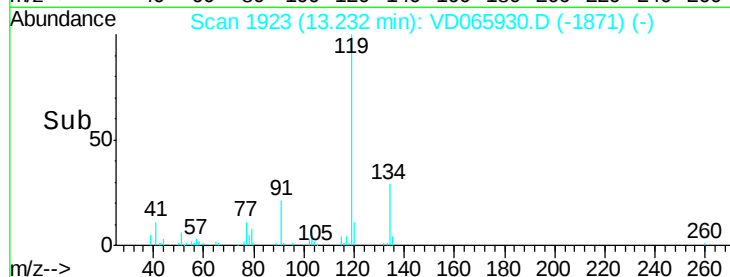
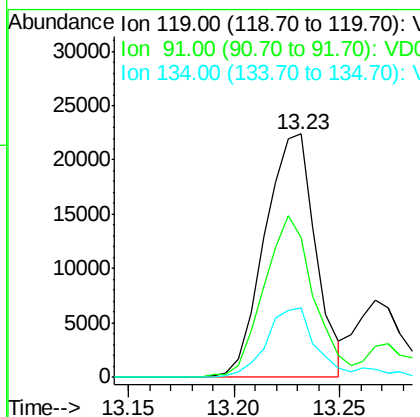
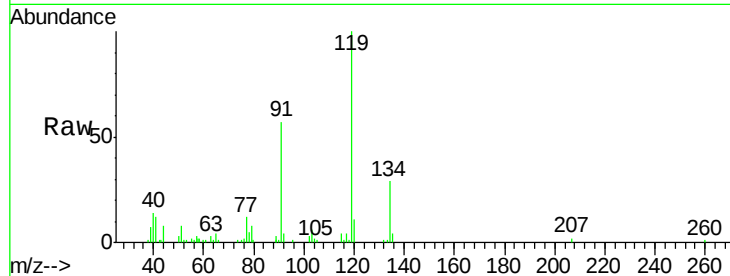
#83  
tert-Butylbenzene  
Concen: 2.838 ug/l  
RT: 13.23 min Scan# 1923  
Delta R.T. 0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 65.1  | 32.4  | 97.2  |
| 134     | 27.3  | 14.1  | 42.4  |

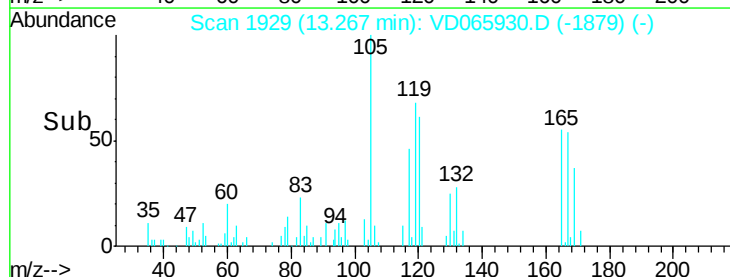
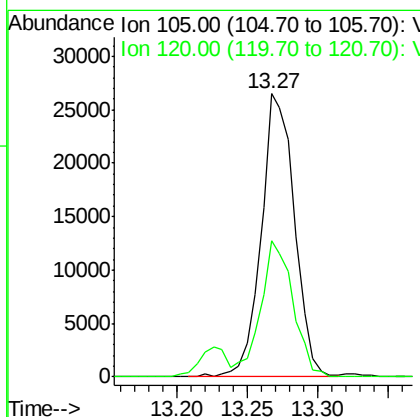
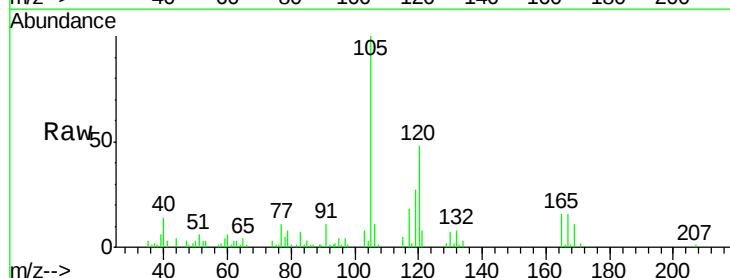
Manual Integrations  
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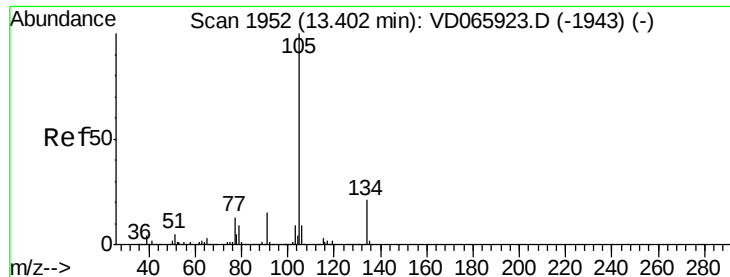
MMDadoda  
7/8/2020 12:05:19 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 2.840 ug/l  
RT: 13.27 min Scan# 1929  
Delta R.T. -0.01 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.2  | 23.2  | 69.5  |





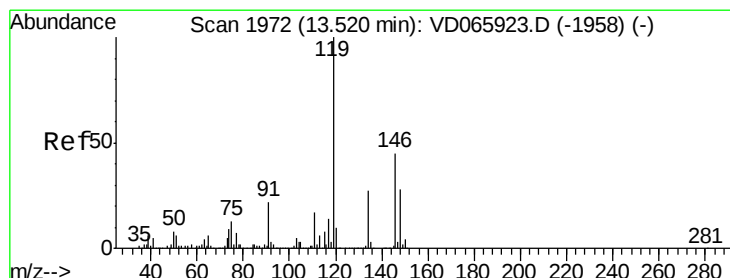
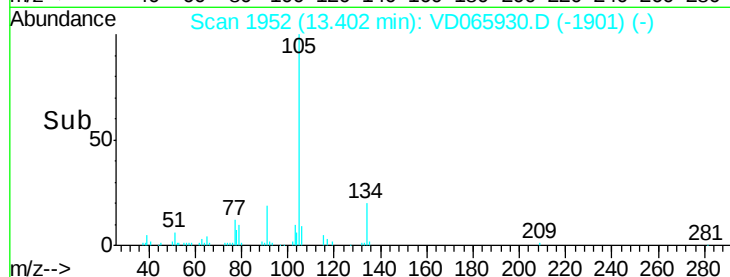
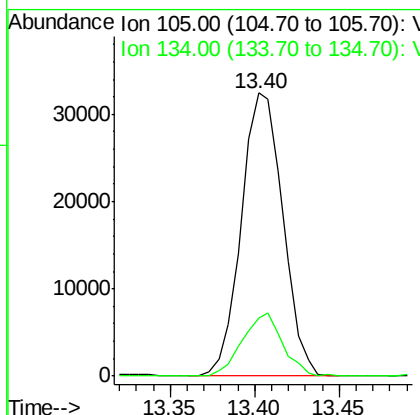
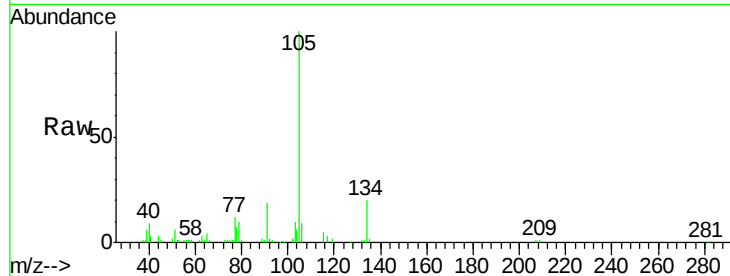
#85  
 sec-Butylbenzene  
 Concen: 2.957 ug/l  
 RT: 13.40 min Scan# 1952  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.5  | 10.4  | 31.1  |

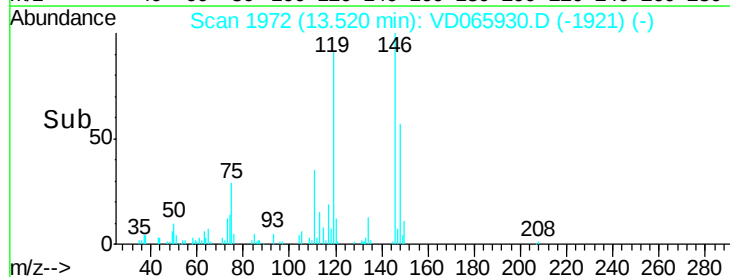
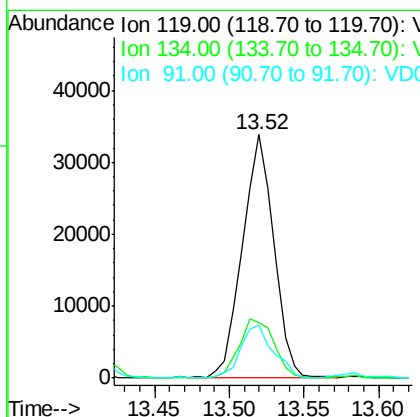
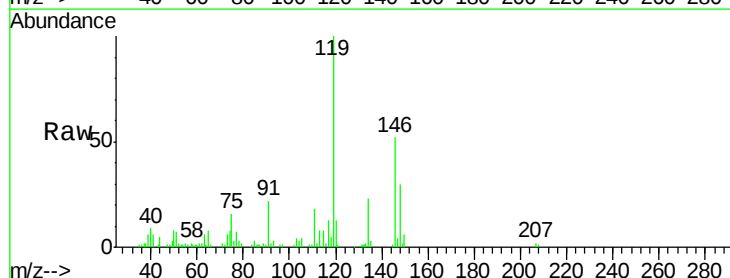
Manual Integrations  
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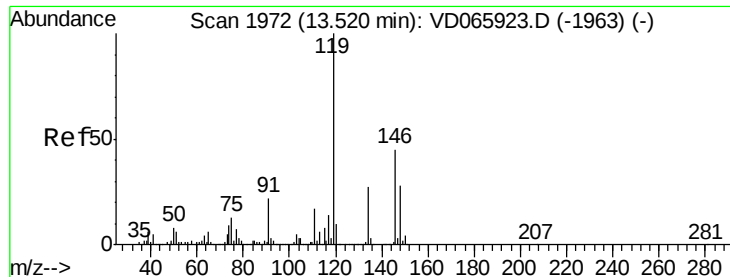
MMDadoda  
 7/8/2020 12:05:19 PM



#86  
 p-Isopropyltoluene  
 Concen: 2.890 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.9  | 13.4  | 40.1  |
| 91      | 22.6  | 11.3  | 33.8  |





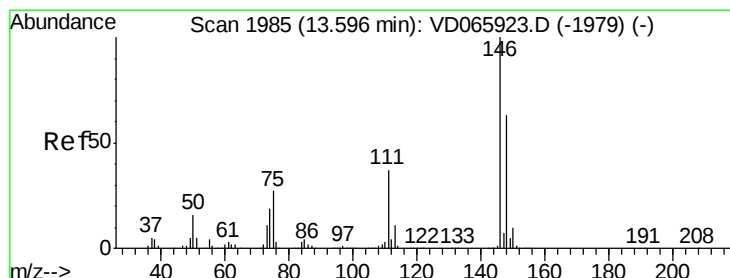
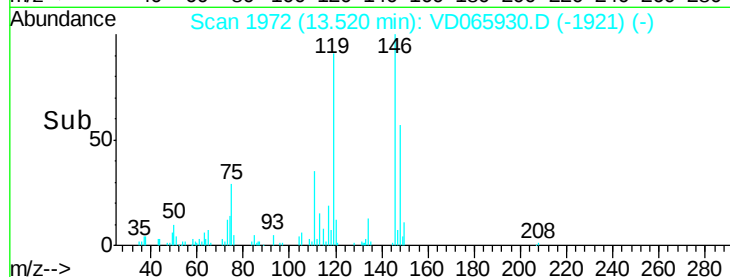
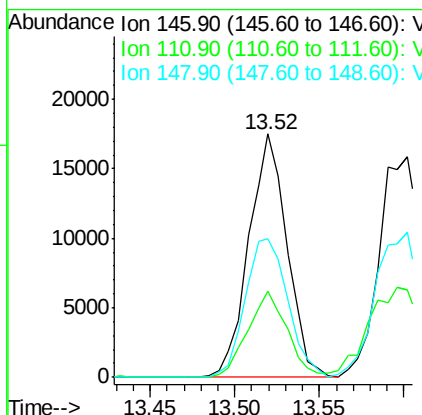
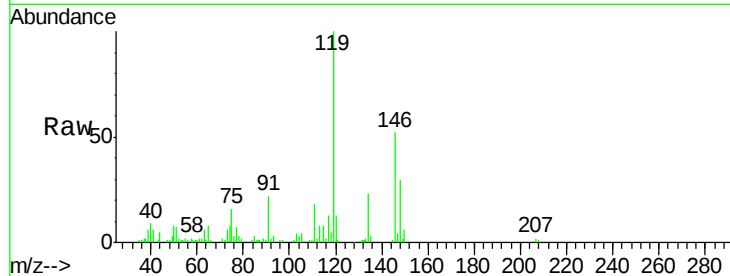
#87  
 1,3-Dichlorobenzene  
 Concen: 3.197 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 146     | 100   | 27525 |       |       |
| 111     | 36.0  | 19.3  | 57.8  |       |
| 148     | 63.5  | 32.0  | 96.0  |       |

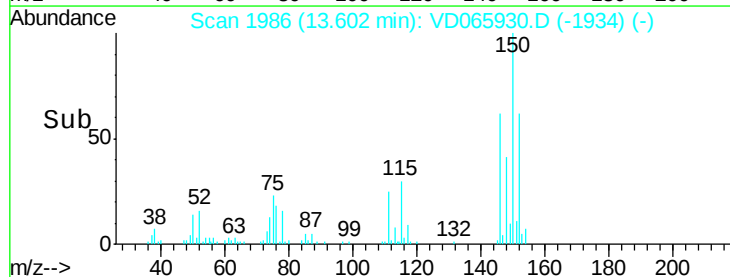
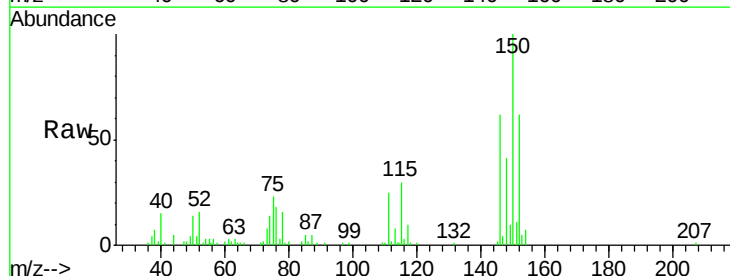
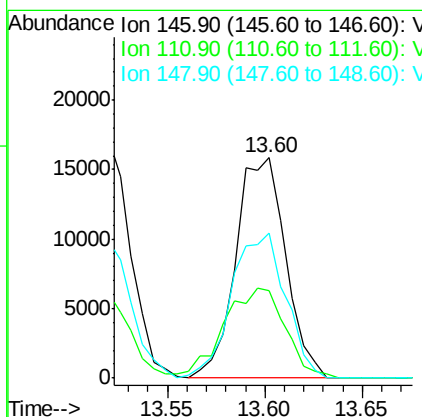
Manual Integrations  
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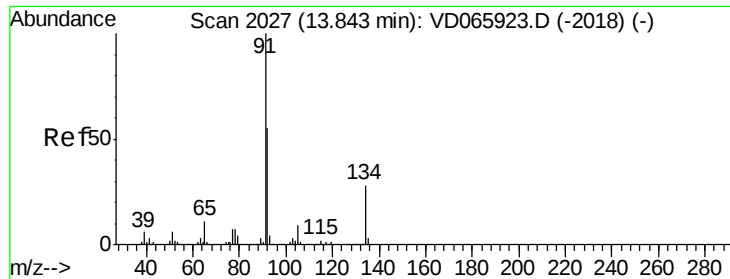
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 7/8/2020 12:05:19 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 3.257 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.01 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 146     | 100   | 27973 |       |       |
| 111     | 50.7  | 18.9  | 56.7  |       |
| 148     | 71.4  | 32.1  | 96.3  |       |





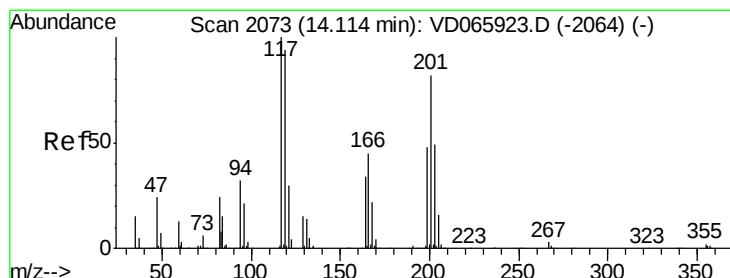
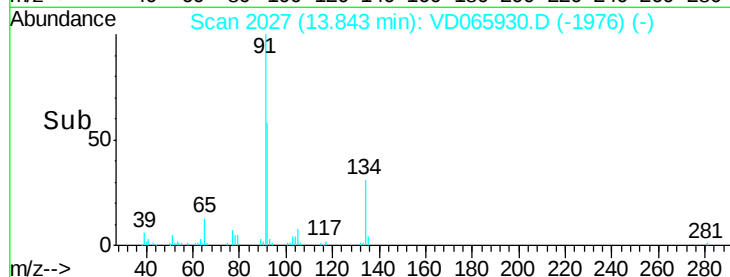
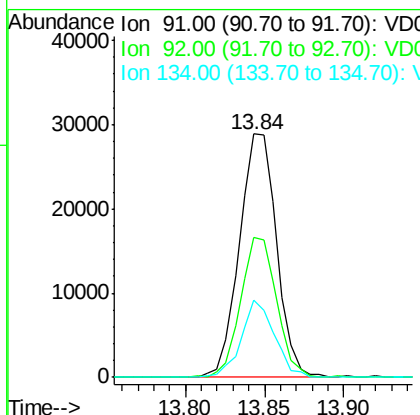
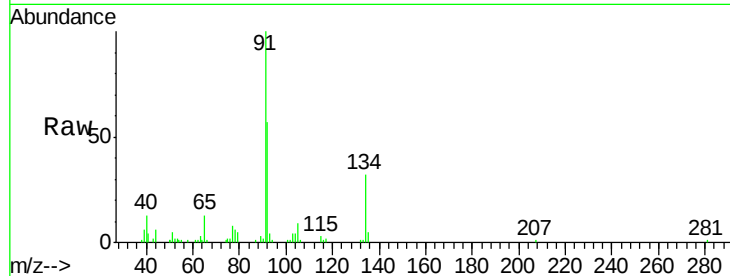
#89  
n-Butylbenzene  
Concen: 2.919 ug/l  
RT: 13.84 min Scan# 2027  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 55.7  | 27.2  | 81.6  |
| 134     | 28.1  | 13.8  | 41.3  |

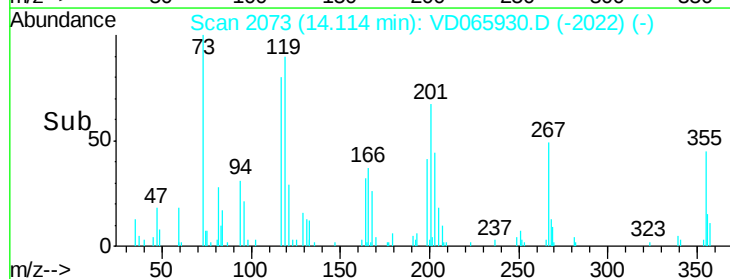
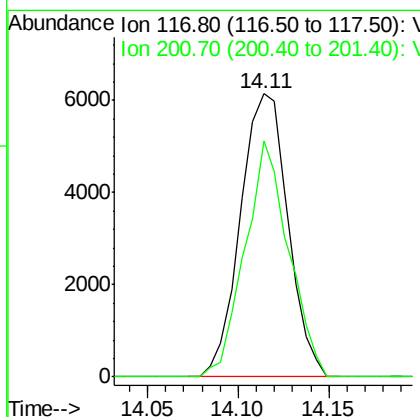
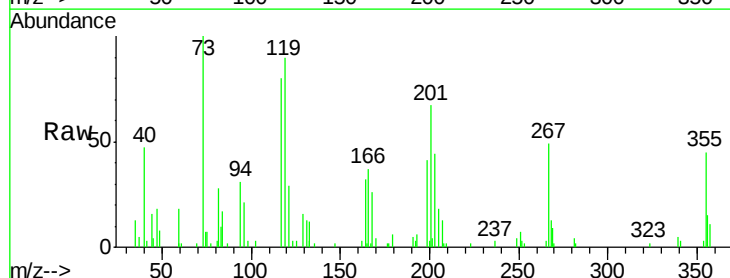
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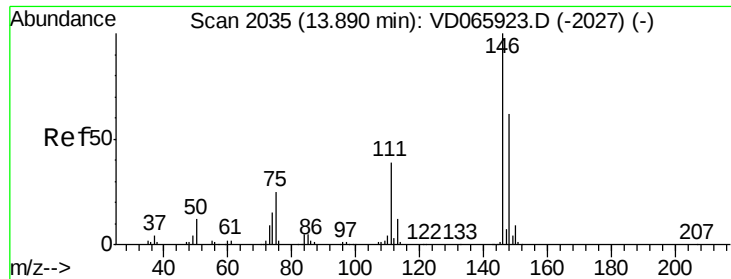
MMDadoda  
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#90  
Hexachloroethane  
Concen: 3.236 ug/l  
RT: 14.11 min Scan# 2073  
Delta R.T. -0.00 min  
Lab File: VD065930.D  
Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 76.8  | 40.0  | 120.0 |





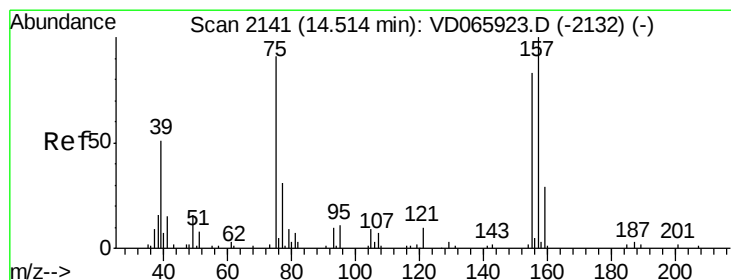
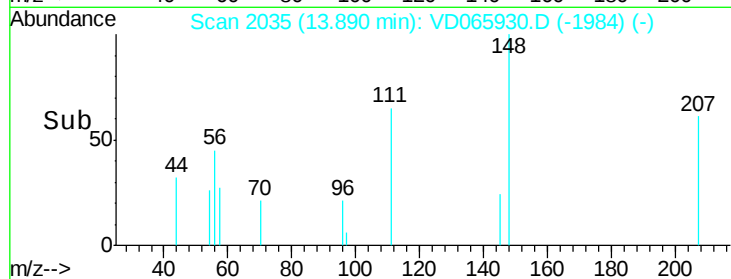
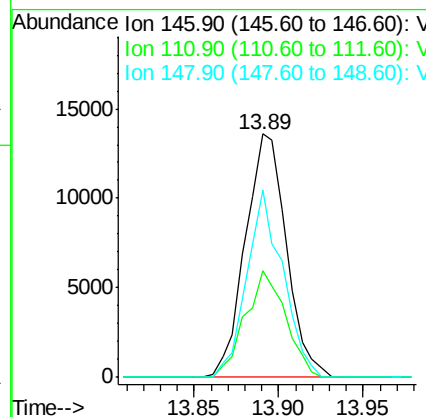
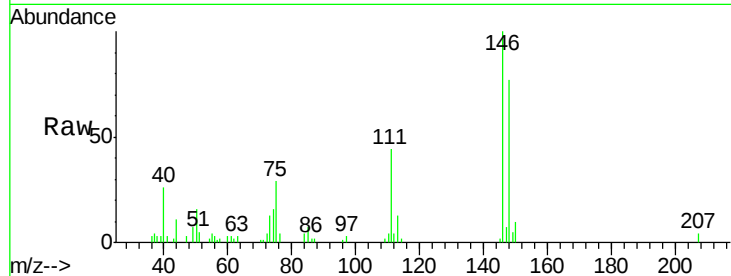
#91  
 1,2-Dichlorobenzene  
 Concen: 3.064 ug/l  
 RT: 13.89 min Scan# 2035  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.8  | 19.7  | 59.0  |
| 148     | 67.4  | 32.5  | 97.5  |

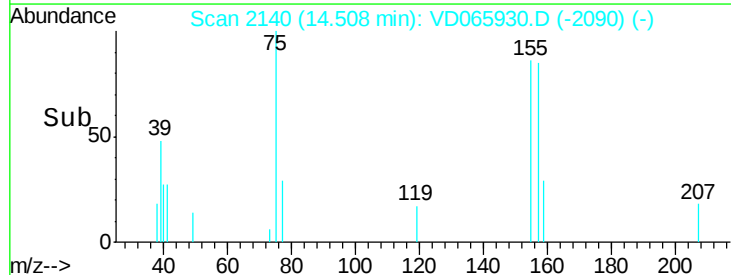
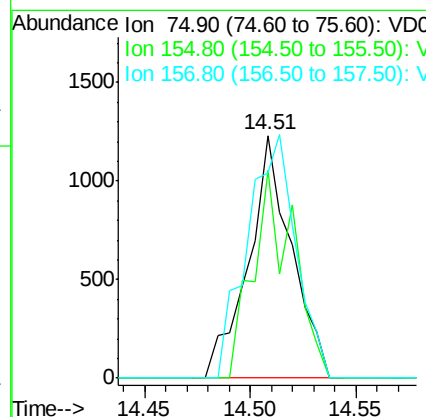
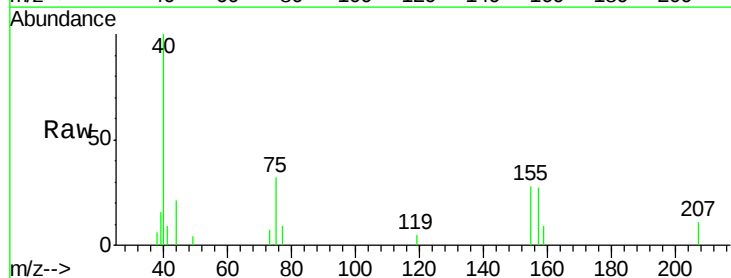
Manual Integrations  
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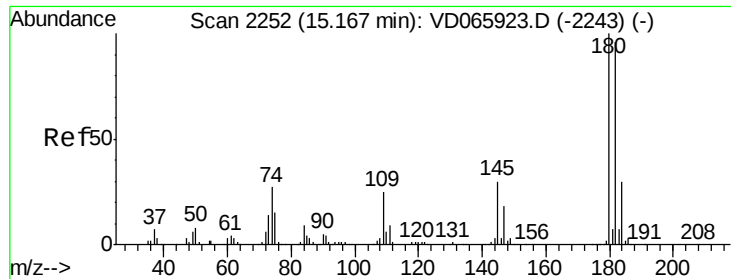
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 3.319 ug/l  
 RT: 14.51 min Scan# 2140  
 Delta R.T. -0.01 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 80.3  | 45.3  | 135.8 |
| 157     | 112.8 | 56.9  | 170.6 |





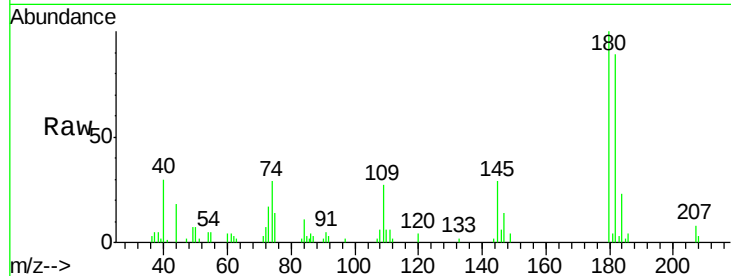
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.034 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

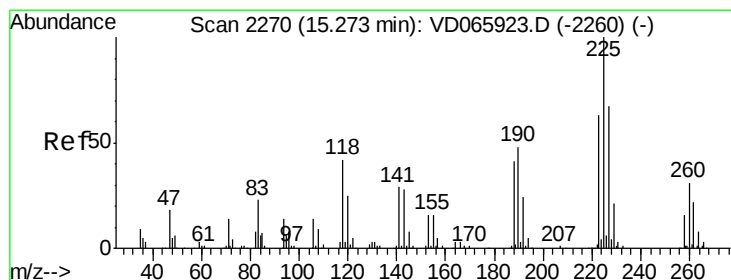
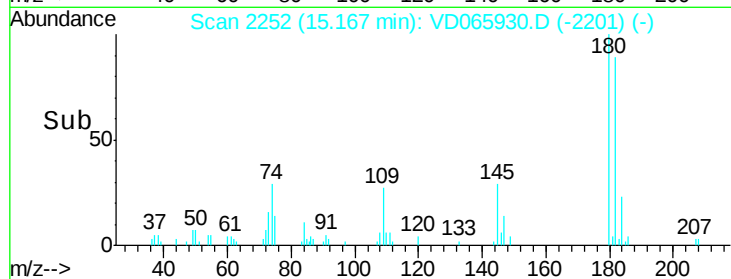
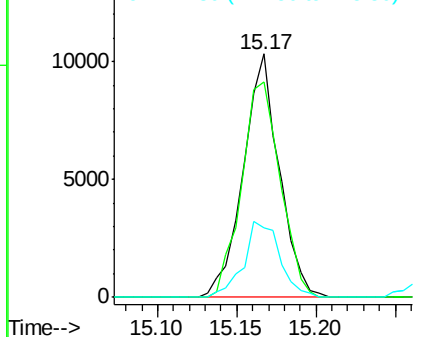
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 48.5  | 145.6 |
| 145     | 31.1  | 15.0  | 45.1  |

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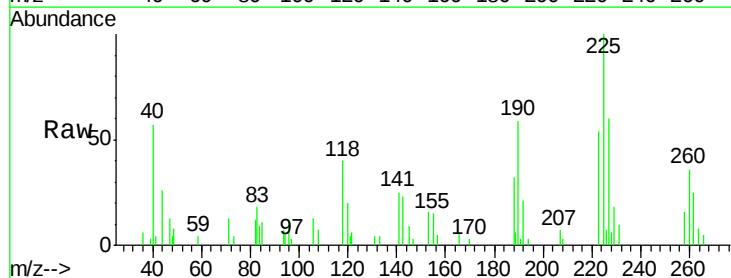


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

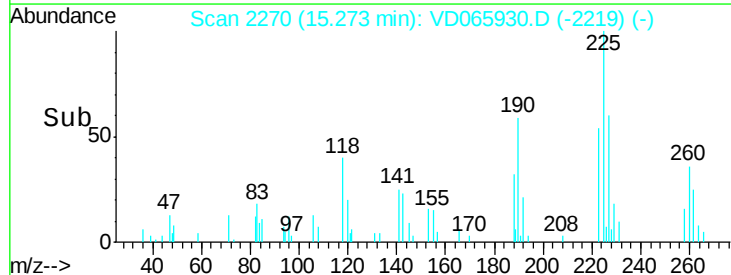
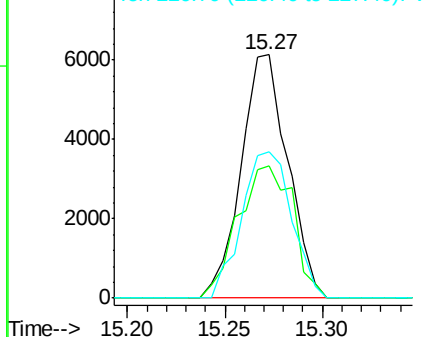


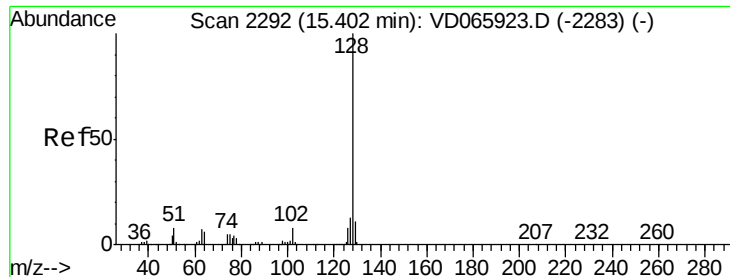
#94  
 Hexachlorobutadiene  
 Concen: 3.140 ug/l  
 RT: 15.27 min Scan# 2270  
 Delta R.T. -0.00 min  
 Lab File: VD065930.D  
 Acq: 07 Jul 2020 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.0  | 31.1  | 93.2  |
| 227     | 64.0  | 31.6  | 95.0  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.031 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

Instrument :

MSVOA\_D

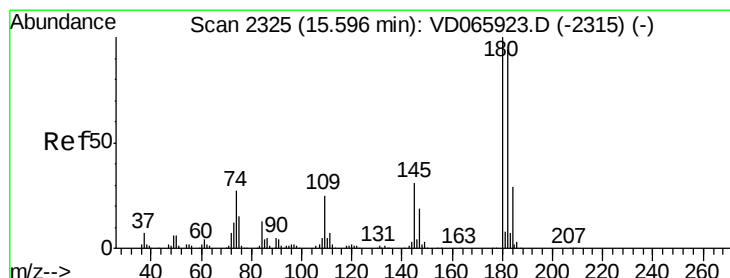
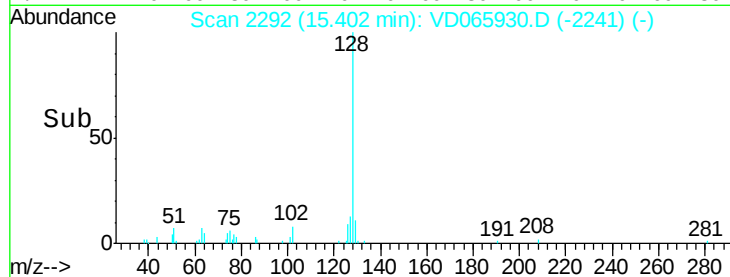
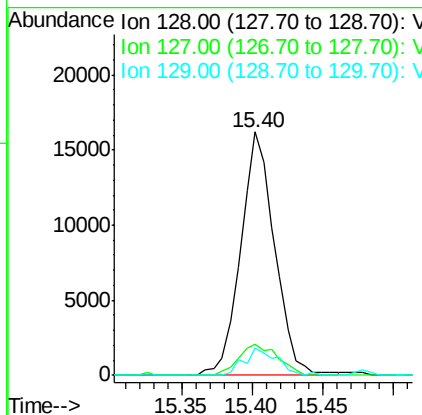
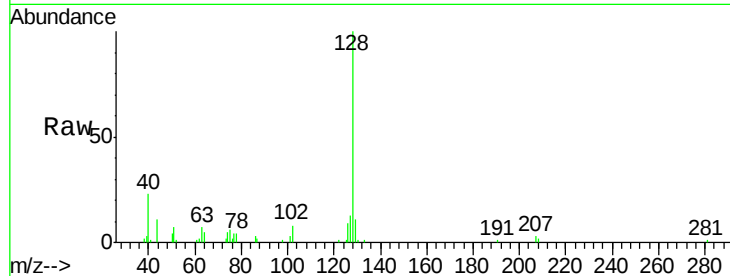
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 27264 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.6  | 10.8  | 16.2  |
| 129       | 11.0  | 8.9   | 13.3  |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 3.458 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD065930.D

Acq: 07 Jul 2020 19:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 15994 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.2  | 47.6  | 142.8 |
| 145       | 29.1  | 16.1  | 48.2  |

