

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\  
 Data File : VD067632.D  
 Acq On : 16 Nov 2020 11:18  
 Operator : VA/SY  
 Sample : VD1116SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1116SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/17/2020 6:57:54 PM

Quant Time: Nov 17 01:17:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110320S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 00:56:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 291811   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 420852   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 384514   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 195816   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 110283   | 43.22 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 86.44% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 113173   | 44.63 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.26% |      |
| 50) Toluene-d8            | 10.34  | 98  | 403449   | 45.28 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.56% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 145847   | 47.41 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.82% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 56031  | 21.091  | ug/l   | 98     |
| 3) Chloromethane              | 2.21 | 50  | 33877  | 18.643  | ug/l   | 92     |
| 4) Vinyl Chloride             | 2.35 | 62  | 36922  | 18.224  | ug/l   | 94     |
| 5) Bromomethane               | 2.76 | 94  | 30528  | 18.591  | ug/l   | 93     |
| 6) Chloroethane               | 2.92 | 64  | 23507  | 18.820  | ug/l   | 91     |
| 7) Trichlorofluoromethane     | 3.28 | 101 | 110103 | 20.989  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.71 | 74  | 20122  | 19.037  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.10 | 101 | 53968  | 20.381  | ug/l   | 97     |
| 10) Methyl Iodide             | 4.30 | 142 | 51426  | 18.121  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.20 | 59  | 15134  | 127.759 | ug/l # | 88     |
| 12) 1,1-Dichloroethene        | 4.07 | 96  | 47942  | 19.684  | ug/l   | 93     |
| 13) Acrolein                  | 3.92 | 56  | 4497   | 63.557  | ug/l   | 97     |
| 14) Allyl chloride            | 4.71 | 41  | 49880  | 19.135  | ug/l   | 97     |
| 15) Acrylonitrile             | 5.41 | 53  | 37419  | 95.767  | ug/l   | 99     |
| 16) Acetone                   | 4.15 | 43  | 33227  | 87.021  | ug/l   | 91     |
| 17) Carbon Disulfide          | 4.41 | 76  | 139244 | 18.657  | ug/l # | 91     |
| 18) Methyl Acetate            | 4.71 | 43  | 15009  | 19.022  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 94046  | 19.576  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.96 | 84  | 54703  | 20.282  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.48 | 96  | 54974  | 19.379  | ug/l   | 96     |
| 22) Diisopropyl ether         | 6.36 | 45  | 101371 | 19.956  | ug/l # | 92     |
| 23) Vinyl Acetate             | 6.31 | 43  | 252990 | 95.145  | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 79070  | 19.027  | ug/l   | 98     |
| 25) 2-Butanone                | 7.21 | 43  | 37148  | 91.051  | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 93007  | 21.206  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 57709  | 19.599  | ug/l   | 97     |
| 28) Bromochloromethane        | 7.54 | 49  | 26744  | 18.092  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.56 | 42  | 22131  | 90.556  | ug/l   | 89     |
| 30) Chloroform                | 7.71 | 83  | 100642 | 20.300  | ug/l   | 99     |
| 31) Cyclohexane               | 7.99 | 56  | 69936  | 18.898  | ug/l # | 86     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 105034 | 20.533  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 73501  | 20.403  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.29 | 43  | 19444  | 20.790  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 102675 | 21.937  | ug/l   | 99     |

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 Sample : VD1116SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1116SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/17/2020 6:57:54 PM

Quant Time: Nov 17 01:17:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110320S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 00:56:28 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 84602    | 19.953  | ug/l   | 94       |
| 40) Benzene                    | 8.36  | 78   | 199328   | 20.427  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.53  | 41   | 10316m   | 18.453  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 62327    | 20.673  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 35015    | 18.931  | ug/l   | 98       |
| 44) Trichloroethene            | 9.12  | 130  | 64316    | 20.045  | ug/l   | 88       |
| 45) 1,2-Dichloropropane        | 9.40  | 63   | 41990    | 19.903  | ug/l   | 92       |
| 46) Dibromomethane             | 9.48  | 93   | 27876    | 20.780  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.67  | 83   | 74171    | 20.343  | ug/l   | 92       |
| 48) Methyl methacrylate        | 9.46  | 41   | 17888    | 18.731  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 5915     | 434.351 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 85256    | 96.378  | ug/l   | 95       |
| 52) Toluene                    | 10.41 | 92   | 142407   | 21.788  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 64118    | 20.533  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 73419    | 19.789  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 36975    | 20.832  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 35254    | 19.234  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 58185    | 20.372  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 85399    | 99.914  | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.99 | 43   | 61074    | 98.743  | ug/l   | 96       |
| 60) Dibromochloromethane       | 11.14 | 129  | 55264    | 21.048  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 35221    | 19.772  | ug/l   | 95       |
| 64) Tetrachloroethene          | 10.88 | 164  | 61227    | 21.501  | ug/l   | 92       |
| 65) Chlorobenzene              | 11.67 | 112  | 152810   | 20.631  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 59554    | 20.400  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.75 | 91   | 262652   | 20.723  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.86 | 106  | 207237   | 42.028  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 91118    | 20.697  | ug/l   | 99       |
| 70) Styrene                    | 12.20 | 104  | 159565   | 20.800  | ug/l   | 97       |
| 71) Bromoform                  | 12.37 | 173  | 31327    | 21.041  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.48 | 105  | 264913   | 20.933  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.30 | 43   | 32544    | 19.543  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 34387    | 19.927  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 21825m   | 18.476  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 66293    | 21.330  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.83 | 91   | 307187   | 21.221  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 171239   | 20.825  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 233963   | 21.642  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 10969    | 18.853  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 190964   | 21.654  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 191760   | 20.929  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 227610   | 21.151  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 265404   | 21.458  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 254694   | 21.324  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 128125   | 21.605  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 121500   | 20.233  | ug/l   | 96       |
| 89) n-Butylbenzene             | 13.85 | 91   | 215088   | 20.849  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.12 | 117  | 46097    | 20.494  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 104627   | 20.385  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 6329     | 20.714  | ug/l   | 94       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111620\  
Data File : VD067632.D  
Acq On : 16 Nov 2020 11:18  
Operator : VA/SY  
Sample : VD1116SBS01  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

Manual Integrations  
APPROVED

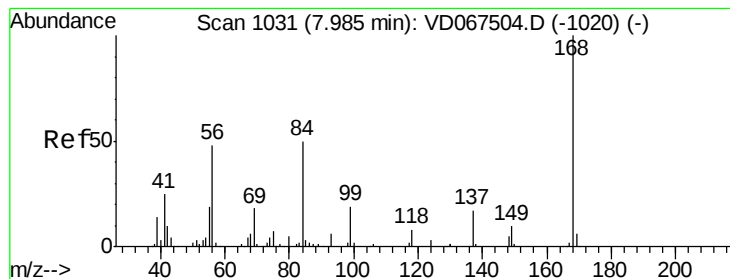
MMDadoda  
11/17/2020 6:57:54 PM

Quant Time: Nov 17 01:17:53 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110320S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 04 00:56:28 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 71675    | 20.575 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 48751    | 20.910 | ug/l  | 97       |
| 95) Naphthalene            | 15.41 | 128  | 106839   | 19.873 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 60991    | 20.445 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion:168 Resp: 291811

Ion Ratio Lower Upper

168 100

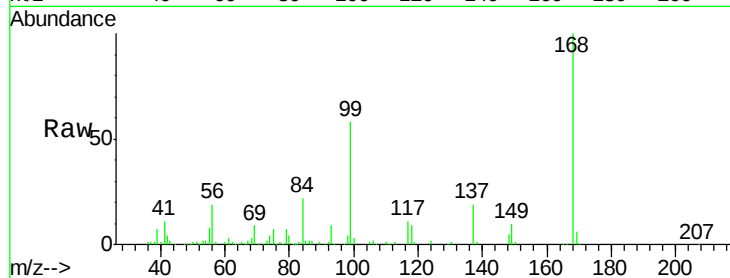
99 57.3 45.0 67.6

Manual Integrations

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11/17/2020 6:57:54 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

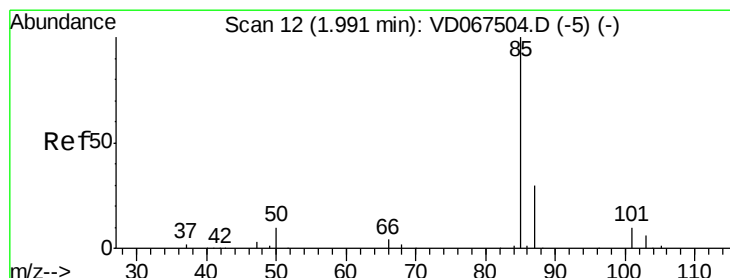
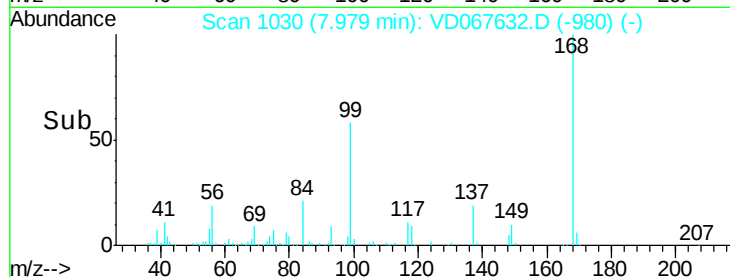
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50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.091 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067632.D

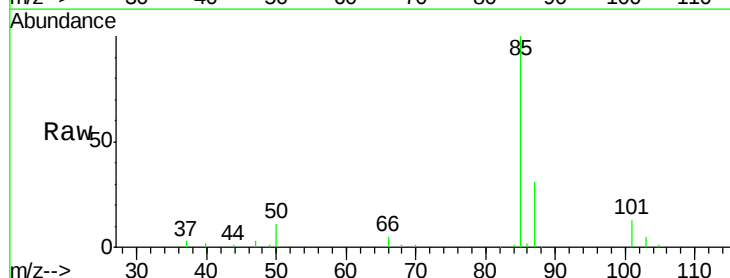
Acq: 16 Nov 2020 11:18

Tgt Ion: 85 Resp: 56031

Ion Ratio Lower Upper

85 100

87 31.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

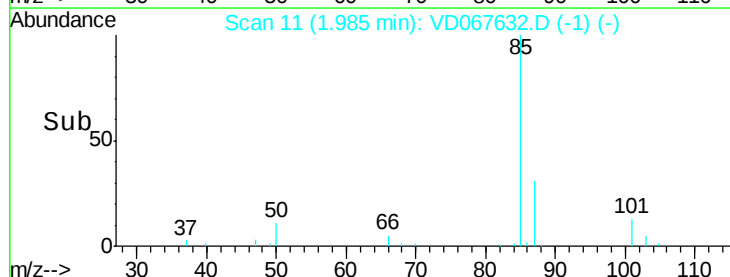
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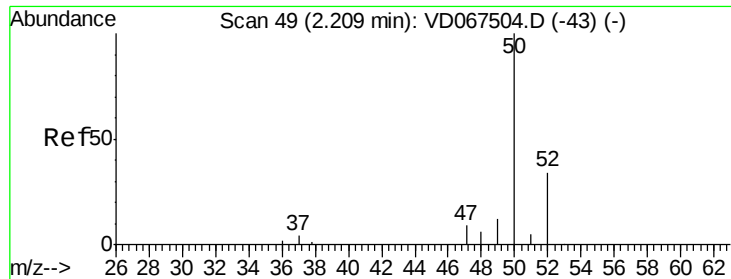
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.643 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion: 50 Resp: 33877

Ion Ratio Lower Upper

50 100

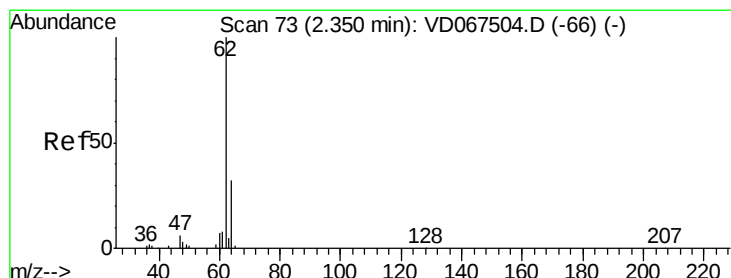
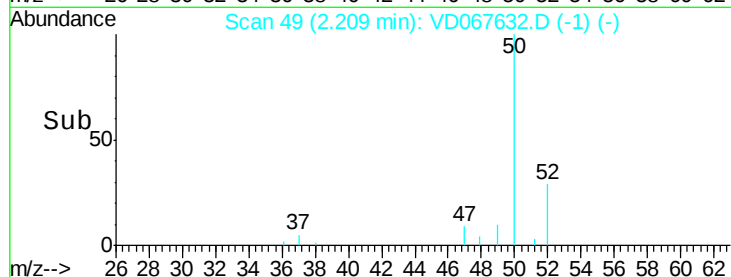
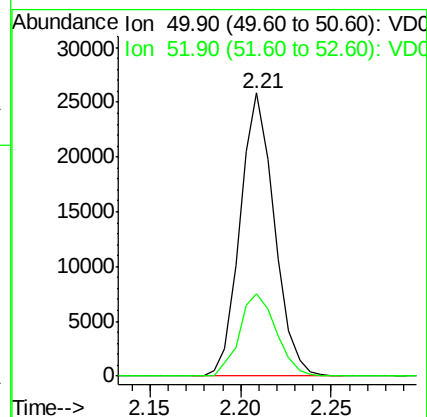
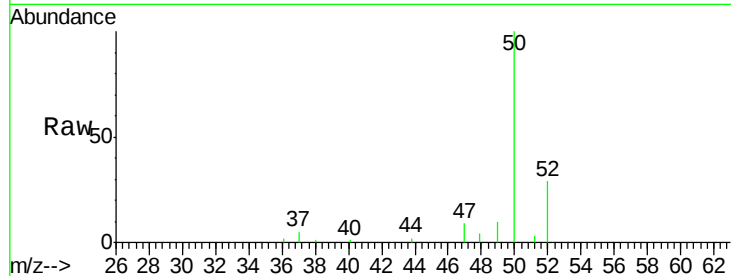
52 29.2 27.3 40.9

Manual Integrations

APPROVED

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11/17/2020 6:57:54 PM



#4

Vinyl Chloride

Concen: 18.224 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067632.D

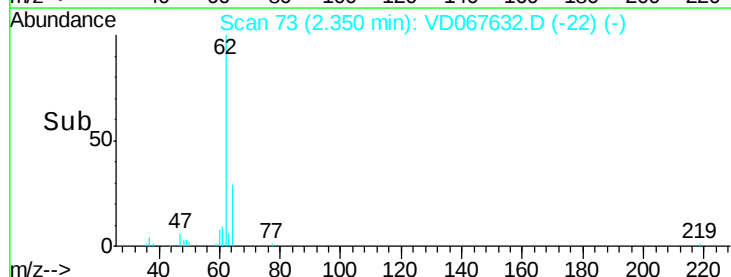
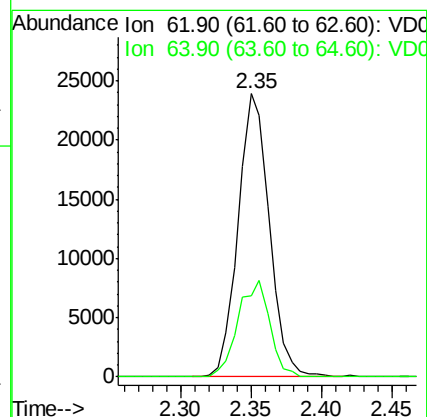
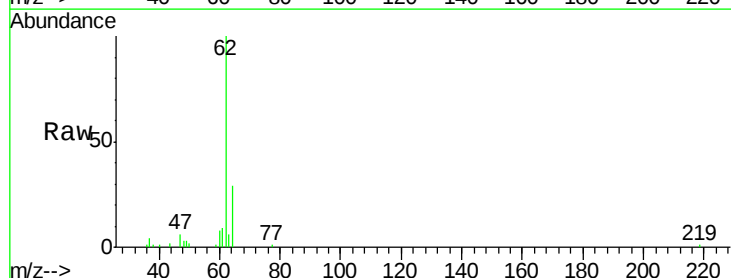
Acq: 16 Nov 2020 11:18

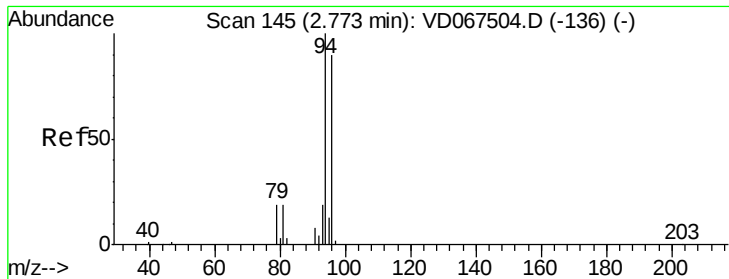
Tgt Ion: 62 Resp: 36922

Ion Ratio Lower Upper

62 100

64 28.5 25.6 38.4





#5

Bromomethane

Concen: 18.591 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion: 94 Resp: 30528

Ion Ratio Lower Upper

94 100

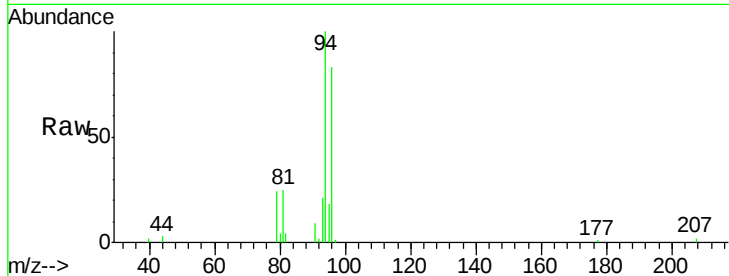
96 83.2 72.2 108.2

Manual Integrations

APPROVED

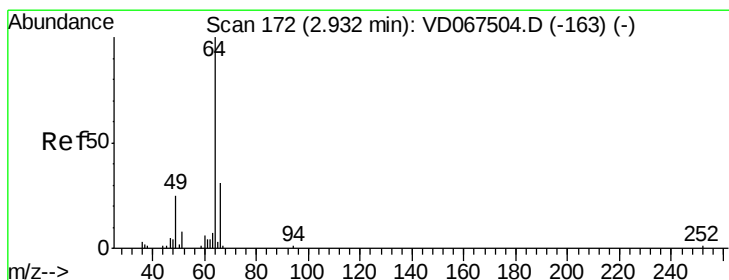
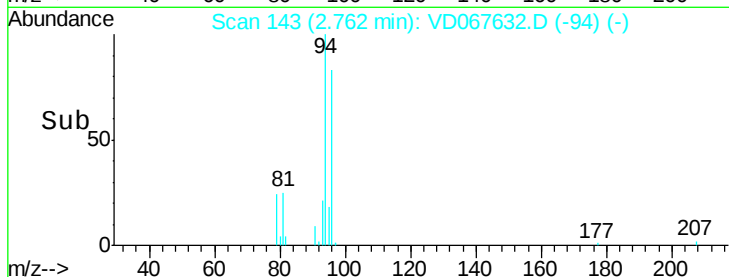
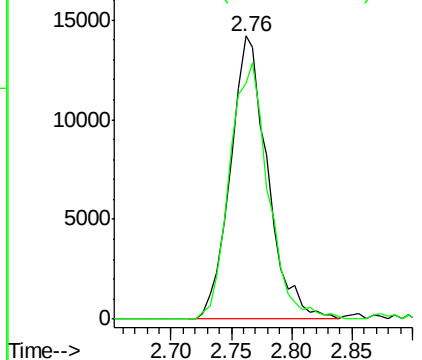
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.820 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067632.D

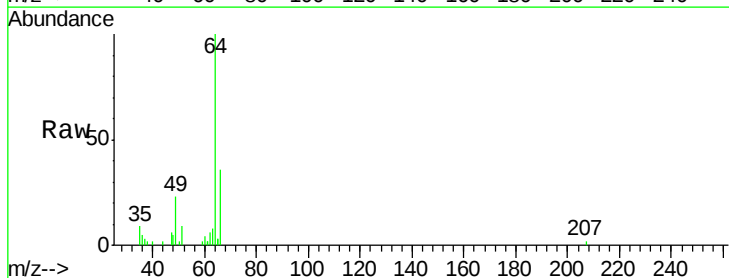
Acq: 16 Nov 2020 11:18

Tgt Ion: 64 Resp: 23507

Ion Ratio Lower Upper

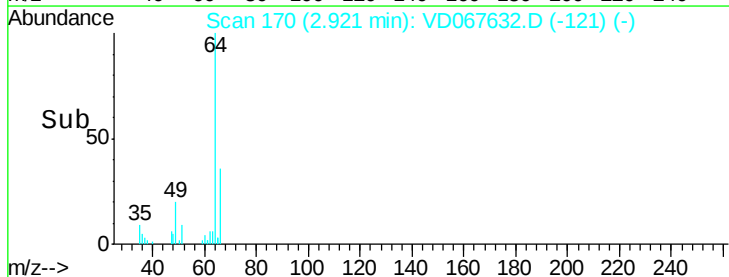
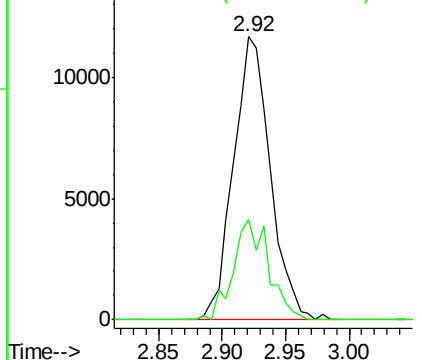
64 100

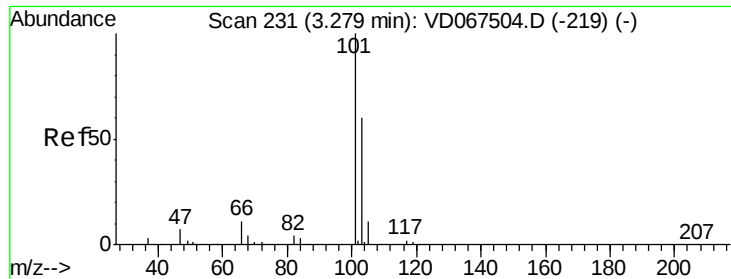
66 35.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

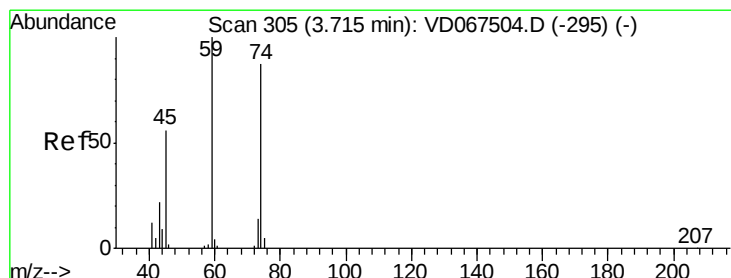
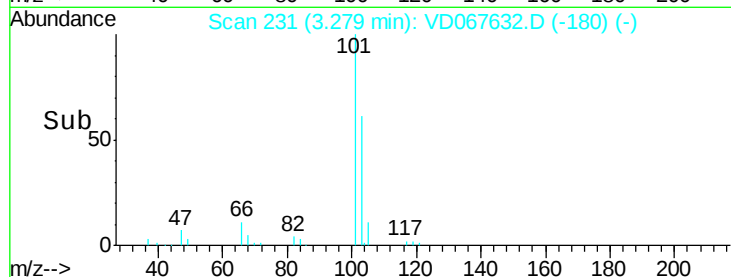
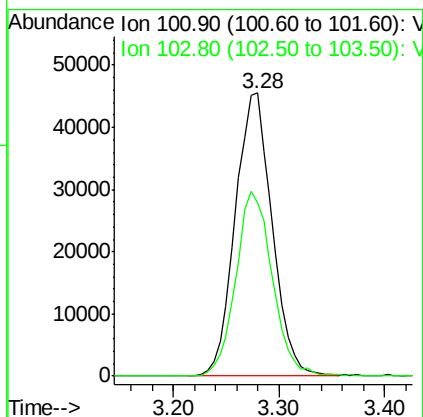
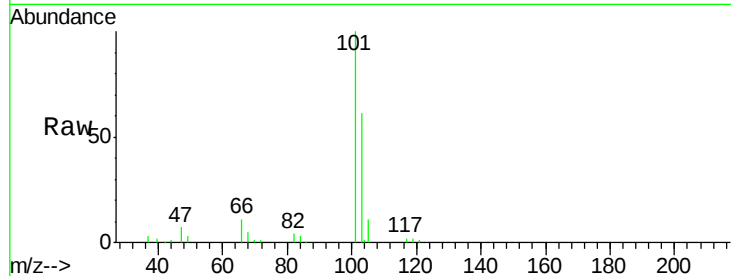
Trichlorofluoromethane  
Concen: 20.989 ug/l  
RT: 3.28 min Scan# 231  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 101     | 100  |       |      |       |       |
| 103     | 61.2 | 48.1  | 72.1 |       |       |

Manual Integrations  
APPROVED

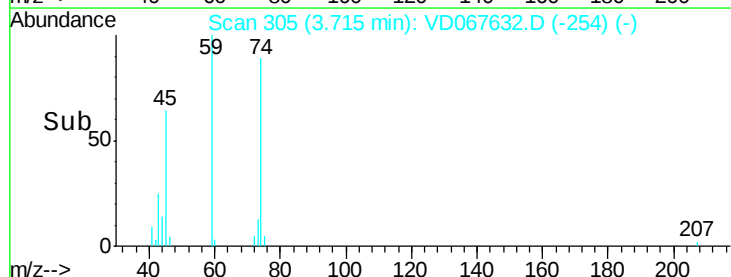
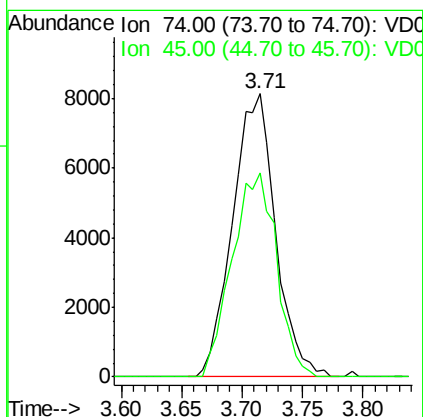
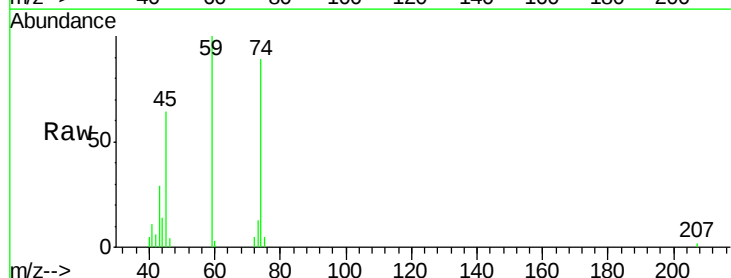
MMDadoda  
11/17/2020 6:57:54 PM

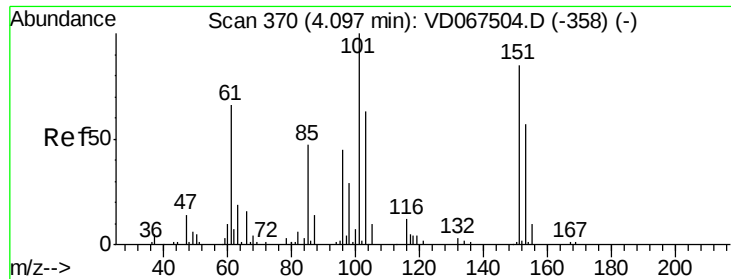


#8

Diethyl Ether  
Concen: 19.037 ug/l  
RT: 3.71 min Scan# 305  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 74      | 100  |       |       |       |       |
| 45      | 74.4 | 38.2  | 114.6 |       |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.381 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

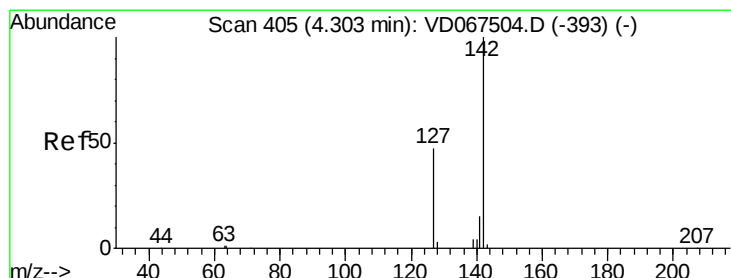
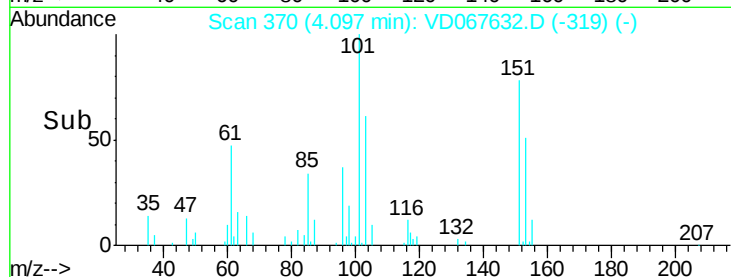
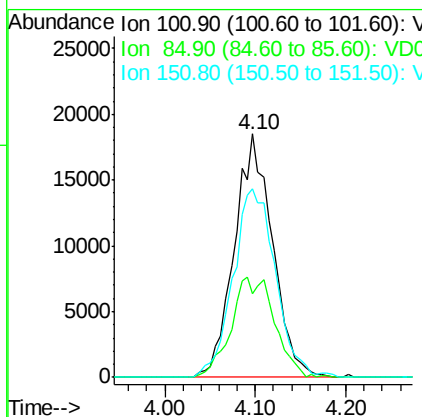
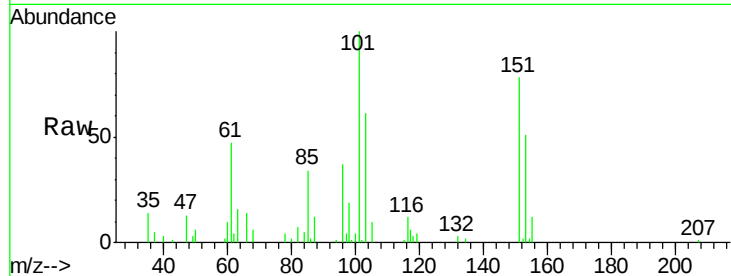
ClientSampleId :

VD1116SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 53968 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.6  | 34.4  | 51.6  |
| 151       | 86.6  | 68.1  | 102.1 |

Manual Integrations  
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11/17/2020 6:57:54 PM



#10

Methyl Iodide

Concen: 18.121 ug/l

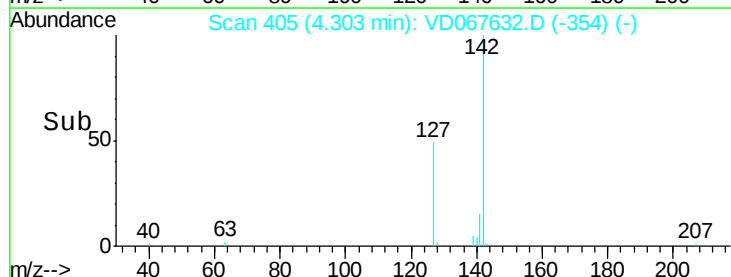
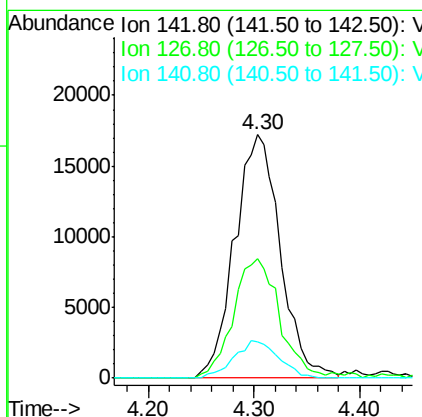
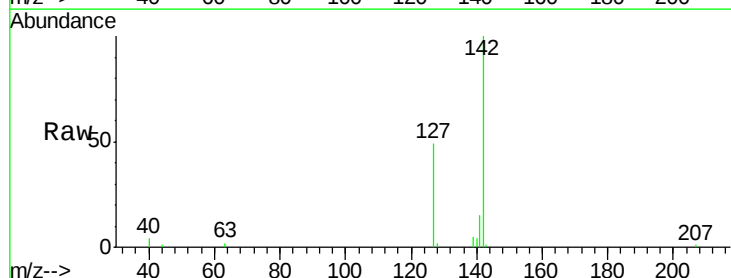
RT: 4.30 min Scan# 405

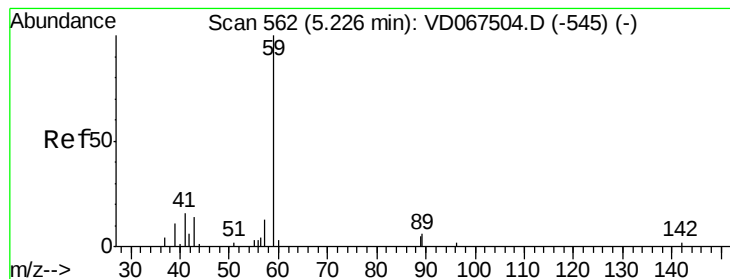
Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 51426 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 49.4  | 40.0  | 60.0  |
| 141       | 15.0  | 11.7  | 17.5  |





#11

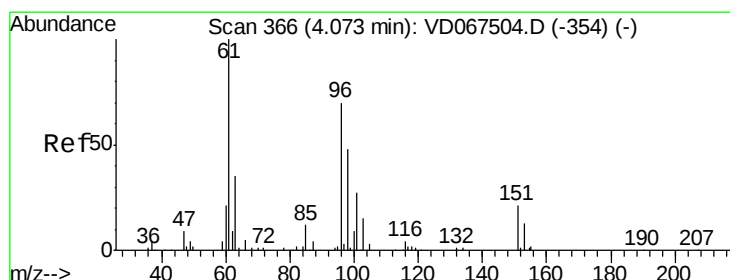
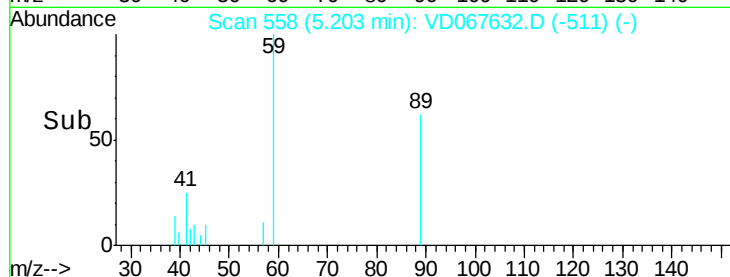
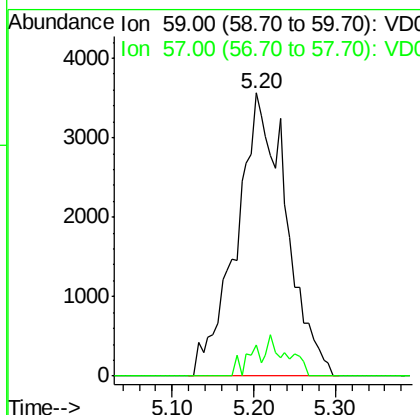
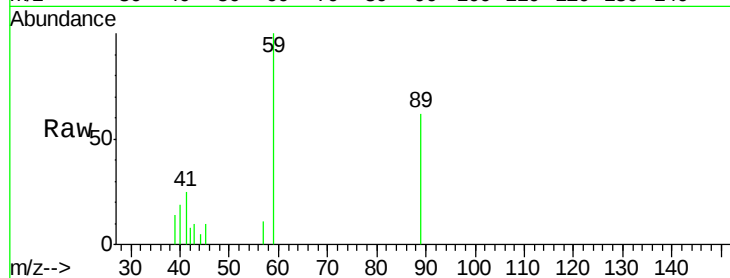
Tert butyl alcohol  
Concen: 127.759 ug/l  
RT: 5.20 min Scan# 558  
Delta R.T. -0.02 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

Tot Ion: 59 Resp: 15134  
Ion Ratio Lower Upper  
59 100  
57 3.2 5.9 8.9#

Manual Integrations  
APPROVED

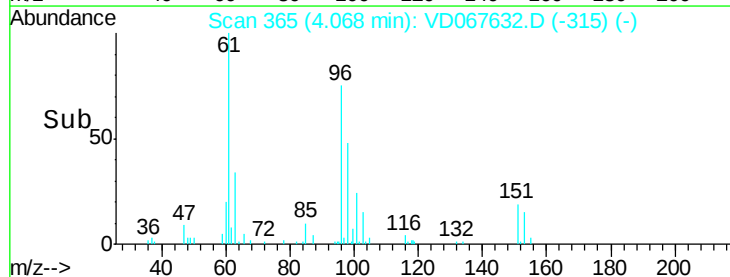
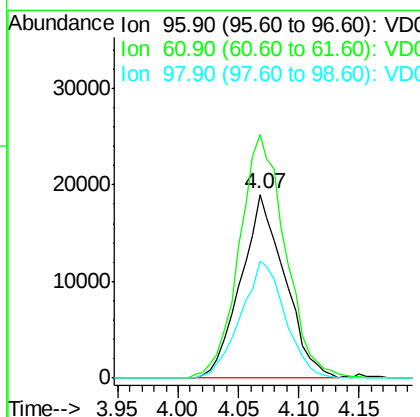
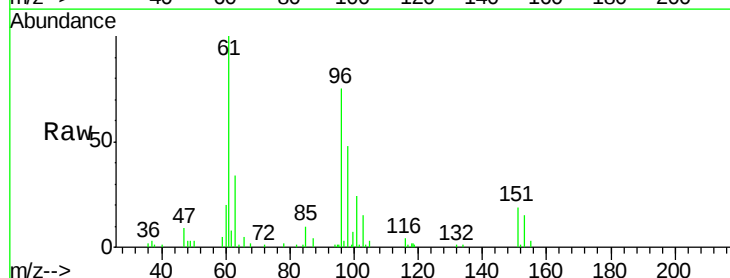
MMDadoda  
11/17/2020 6:57:54 PM

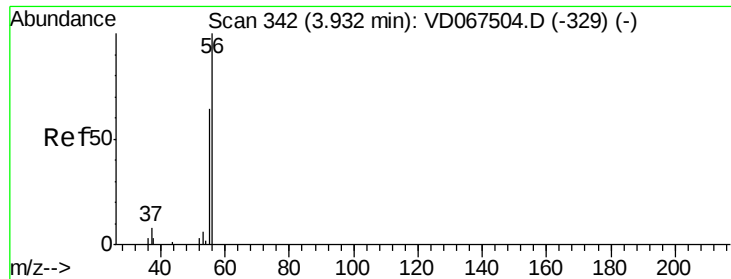


#12

1,1-Dichloroethene  
Concen: 19.684 ug/l  
RT: 4.07 min Scan# 365  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Tgt Ion: 96 Resp: 47942  
Ion Ratio Lower Upper  
96 100  
61 132.5 114.5 171.7  
98 64.0 54.5 81.7





#13

Acrolein

Concen: 63.557 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion: 56 Resp: 4497

Ion Ratio Lower Upper

56 100

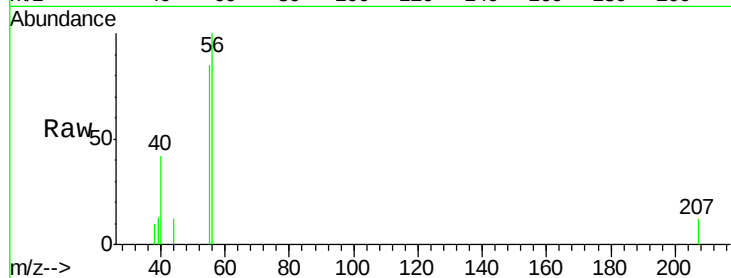
55 67.5 55.8 83.8

Manual Integrations

APPROVED

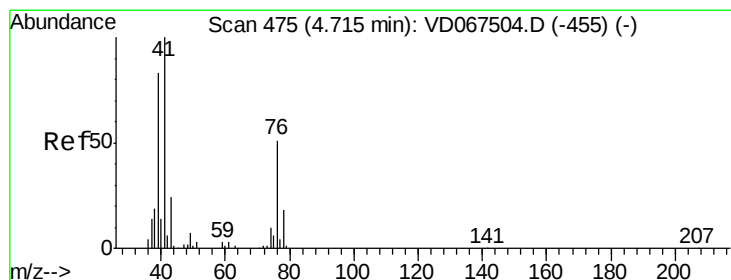
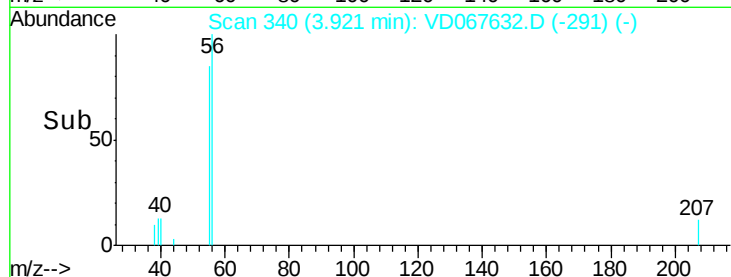
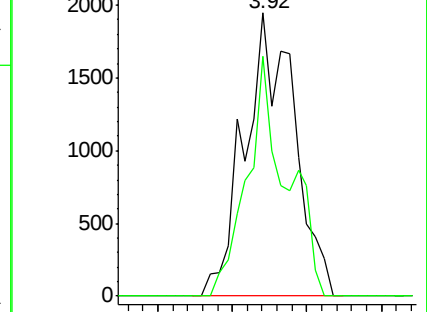
MMDadoda

11/17/2020 6:57:54 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.135 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

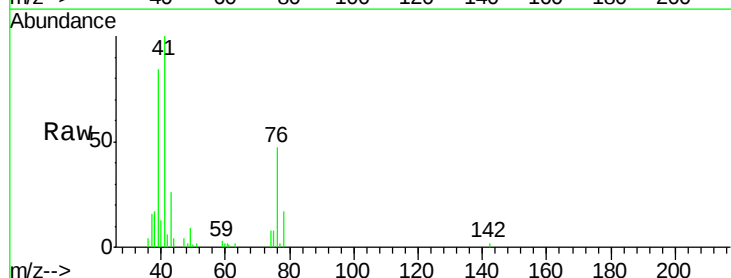
Tgt Ion: 41 Resp: 49880

Ion Ratio Lower Upper

41 100

39 87.7 67.4 101.0

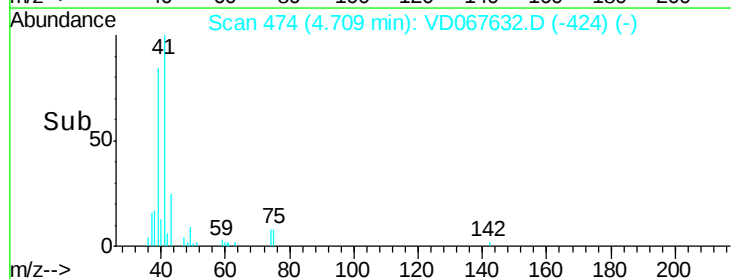
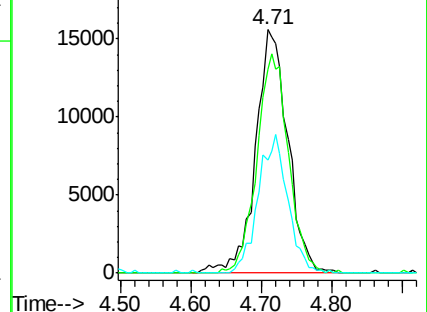
76 52.1 42.2 63.2

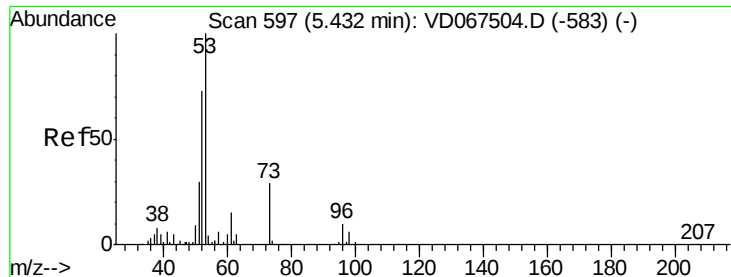


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 95.767 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

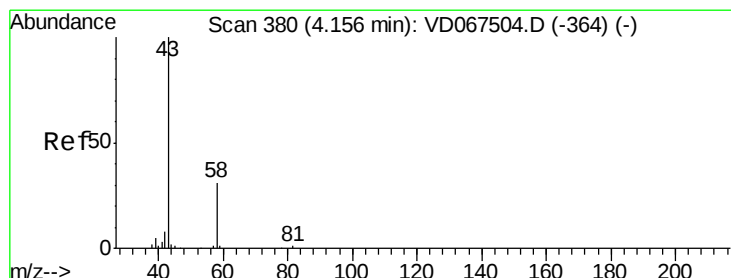
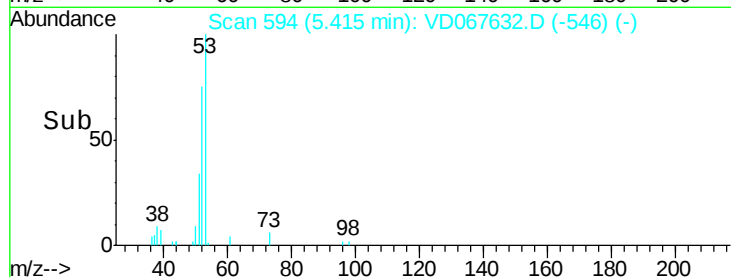
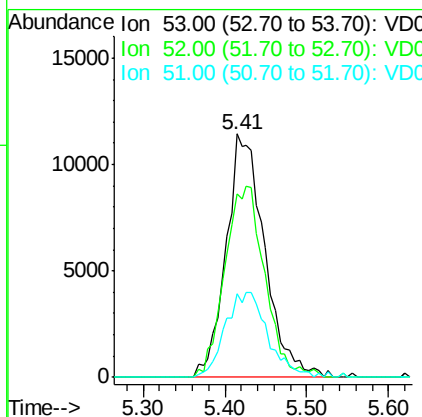
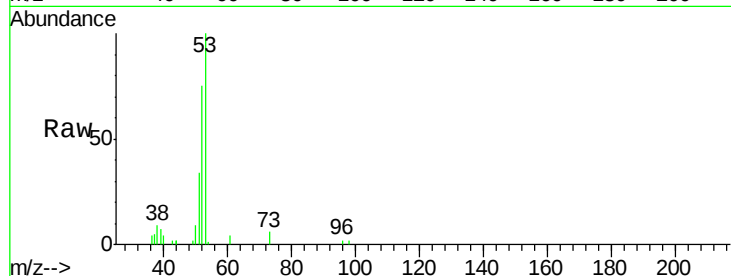
ClientSampleId :

VD1116SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 37419 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.8  | 64.8  | 97.2  |
| 51       | 38.6  | 29.5  | 44.3  |

Manual Integrations  
APPROVED

MMDadoda  
11/17/2020 6:57:54 PM



#16

Acetone

Concen: 87.021 ug/l

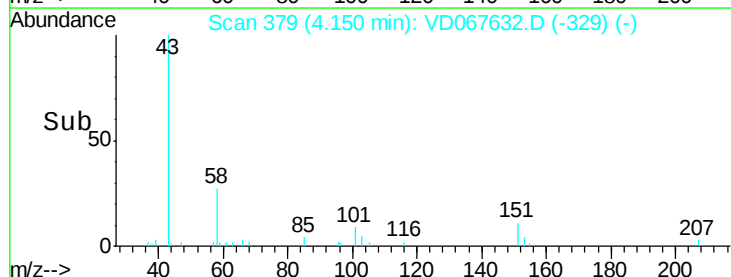
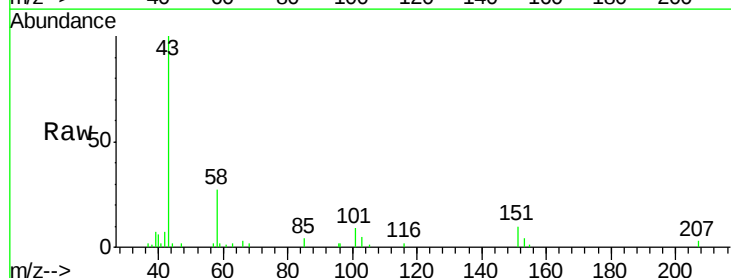
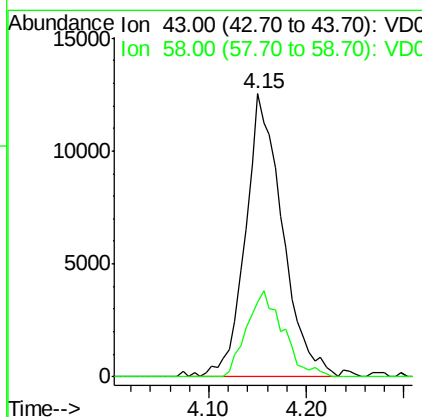
RT: 4.15 min Scan# 379

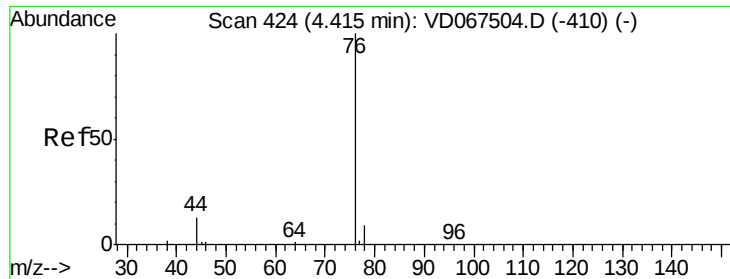
Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 33227 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 26.6  | 25.2  | 37.8  |





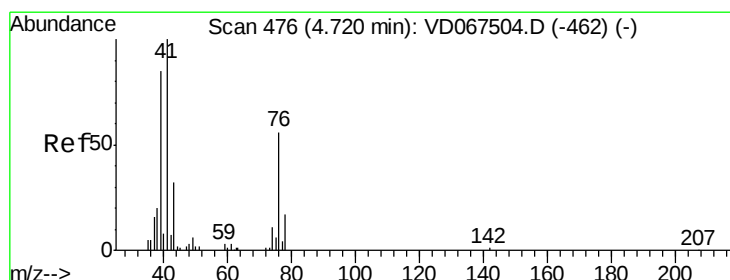
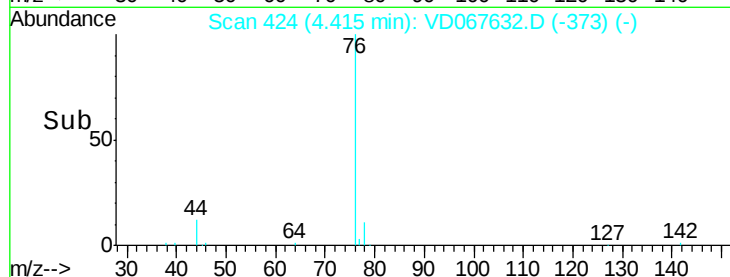
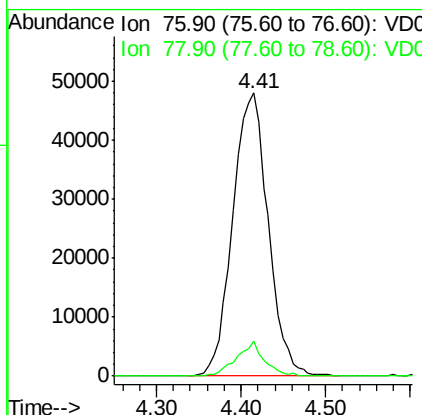
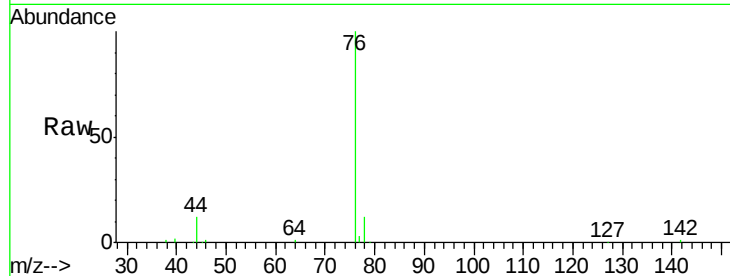
#17  
Carbon Disulfide  
Concen: 18.657 ug/l  
RT: 4.41 min Scan# 424  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

Tot Ion: 76 Resp: 139244  
Ion Ratio Lower Upper  
76 100  
78 12.3 7.2 10.8#

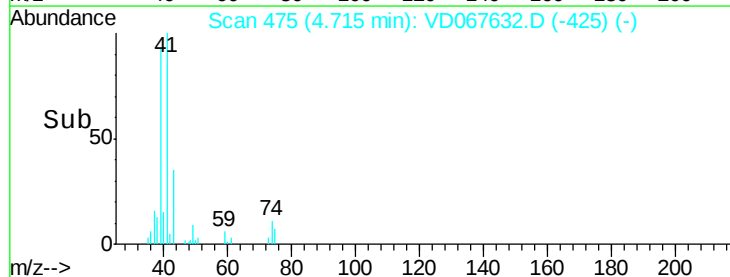
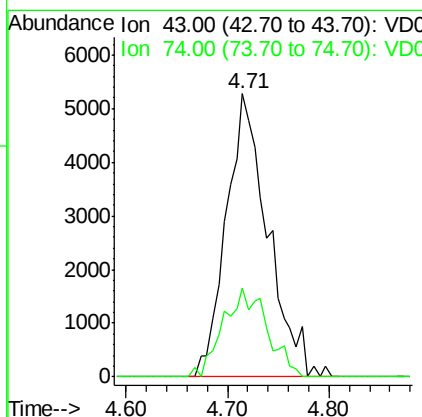
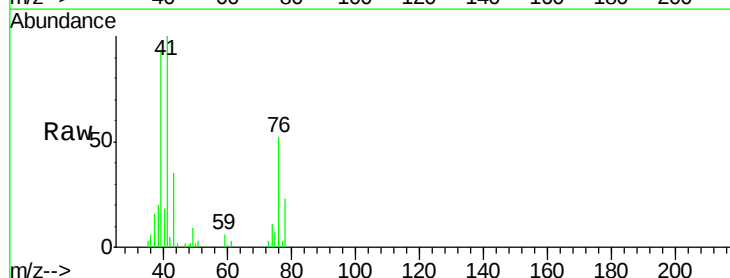
Manual Integrations  
APPROVED

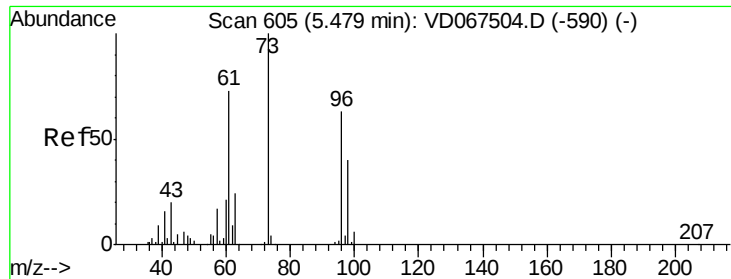
MMDadoda  
11/17/2020 6:57:54 PM



#18  
Methyl Acetate  
Concen: 19.022 ug/l  
RT: 4.71 min Scan# 475  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Tgt Ion: 43 Resp: 15009  
Ion Ratio Lower Upper  
43 100  
74 33.1 27.2 40.8





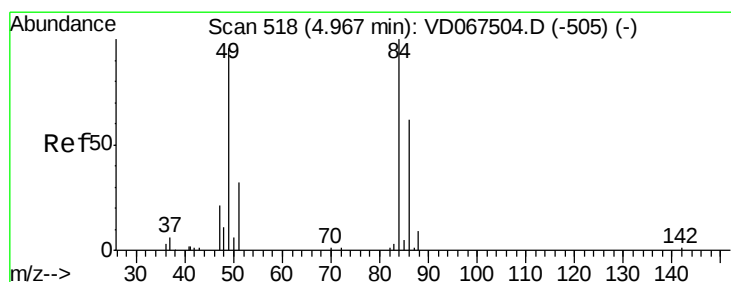
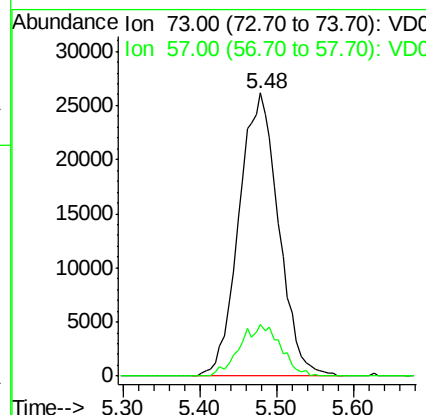
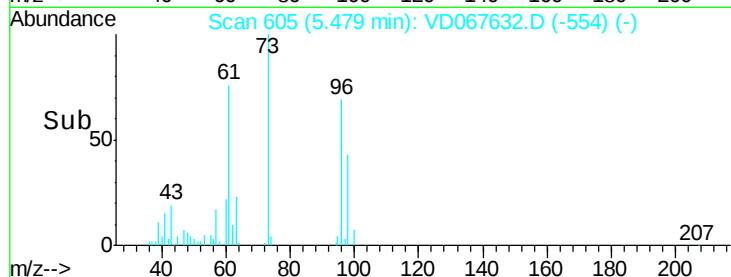
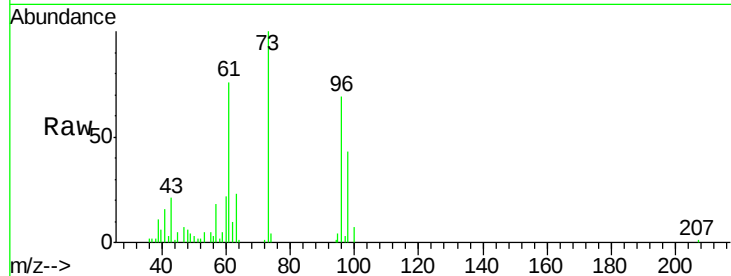
#19  
Methyl tert-butyl Ether  
Concen: 19.576 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

Tot Ion: 73 Resp: 94046  
Ion Ratio Lower Upper  
73 100  
57 18.4 13.4 20.0

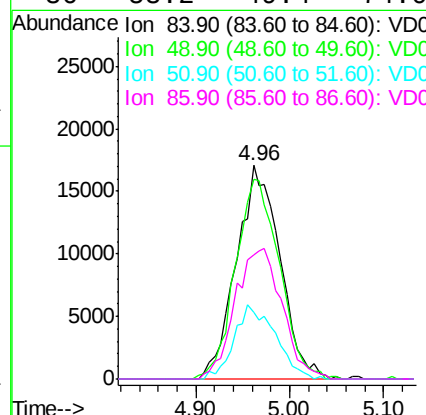
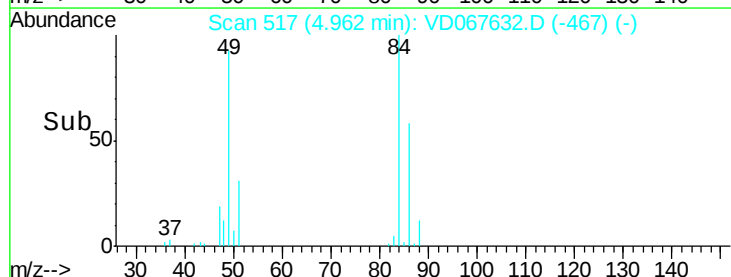
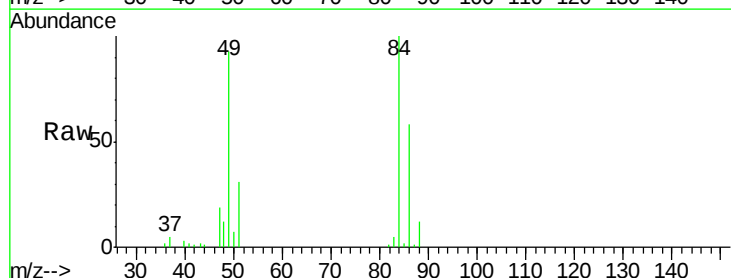
Manual Integrations  
APPROVED

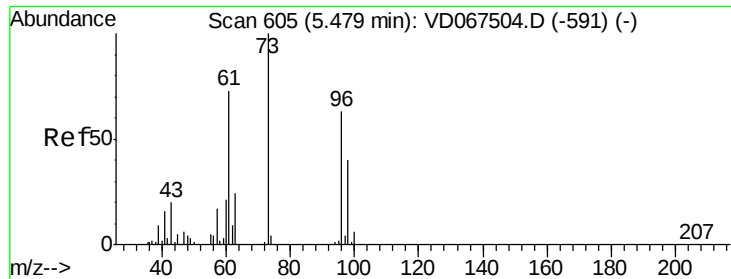
MMDadoda  
11/17/2020 6:57:54 PM



#20  
Methylene Chloride  
Concen: 20.282 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Tgt Ion: 84 Resp: 54703  
Ion Ratio Lower Upper  
84 100  
49 93.4 77.0 115.4  
51 30.9 25.4 38.2  
86 58.2 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 19.379 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

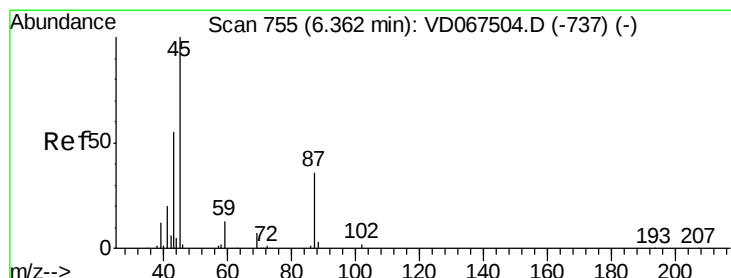
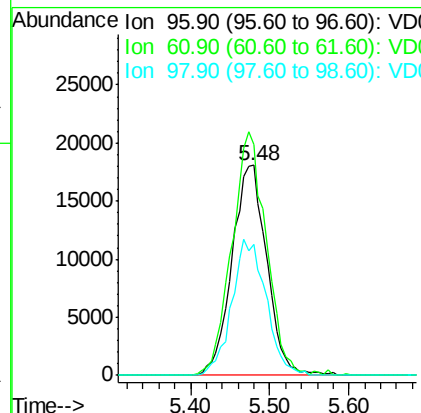
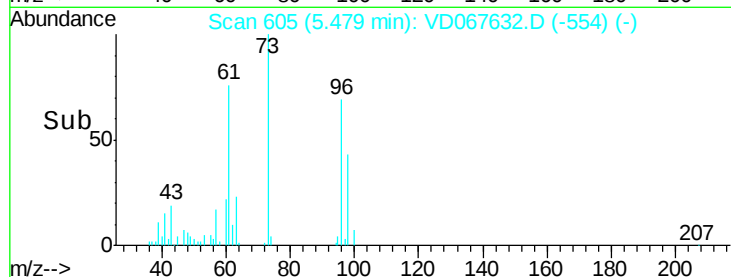
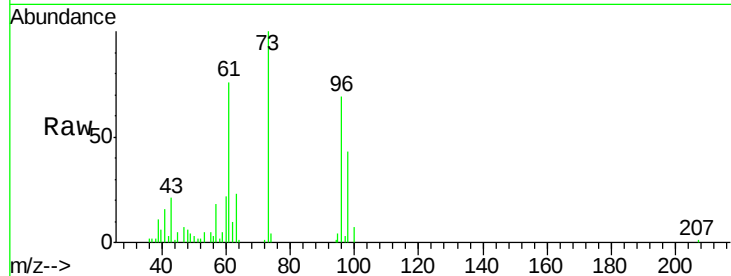
ClientSampleId :

VD1116SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 54974 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 109.9 | 93.0  | 139.6 |
| 98       | 62.1  | 50.9  | 76.3  |

Manual Integrations  
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MMDadoda  
11/17/2020 6:57:54 PM



#22

Diisopropyl ether

Concen: 19.956 ug/l

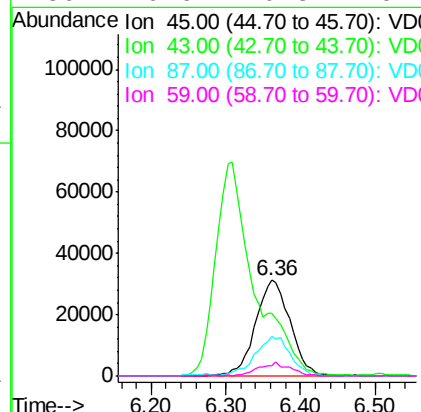
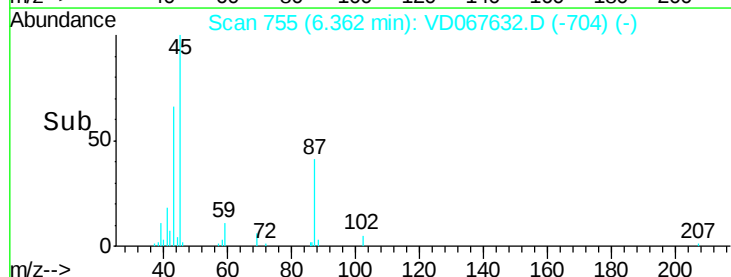
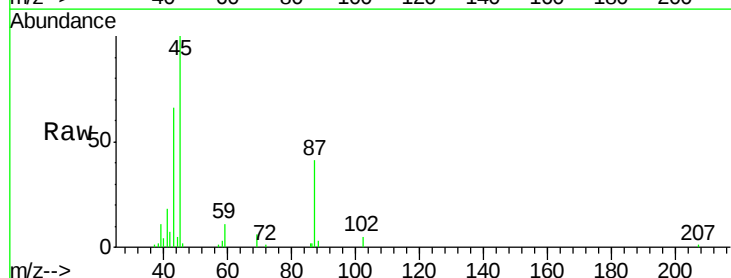
RT: 6.36 min Scan# 755

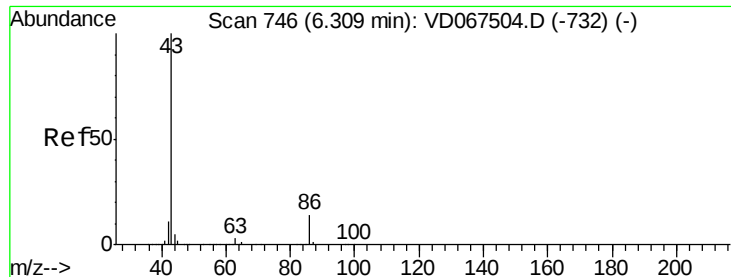
Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 101371 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 64.4  | 46.2  | 69.4   |
| 87       | 41.0  | 29.4  | 44.2   |
| 59       | 10.6  | 10.8  | 16.2#  |





#23

Vinyl Acetate

Concen: 95.145 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion: 43 Resp: 252990

Ion Ratio Lower Upper

43 100

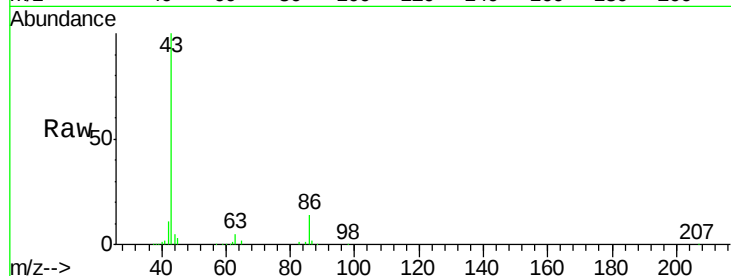
86 14.5 11.6 17.4

Manual Integrations

APPROVED

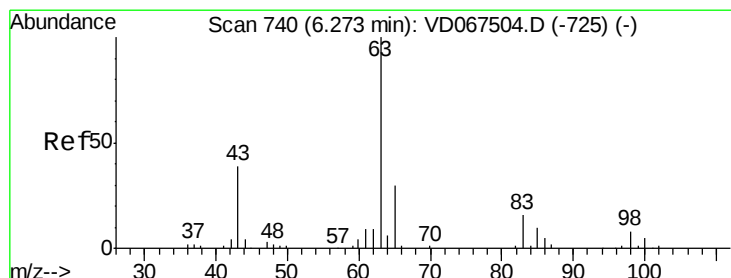
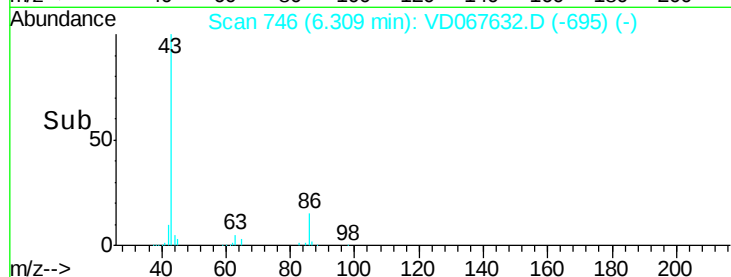
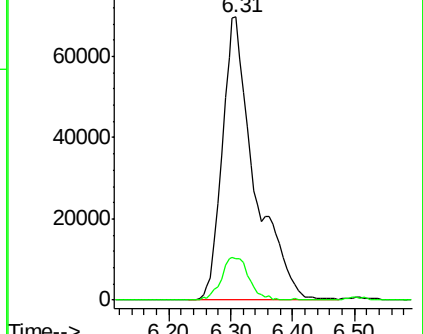
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.027 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

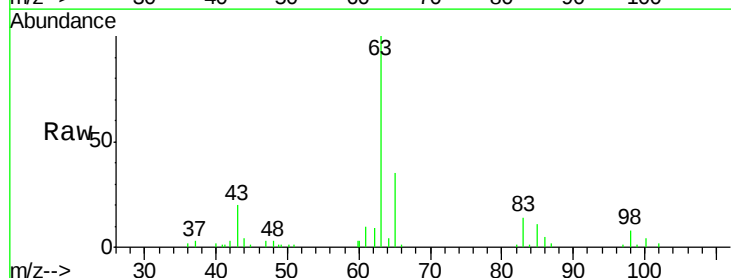
Tgt Ion: 63 Resp: 79070

Ion Ratio Lower Upper

63 100

98 8.4 3.9 11.5

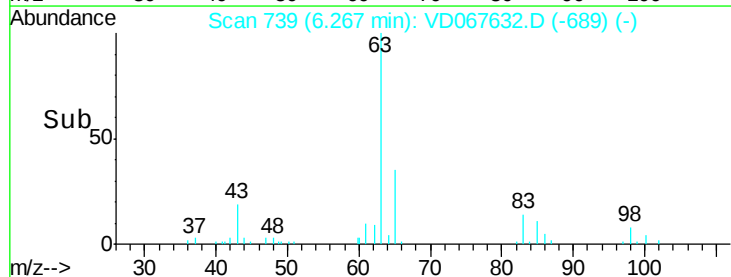
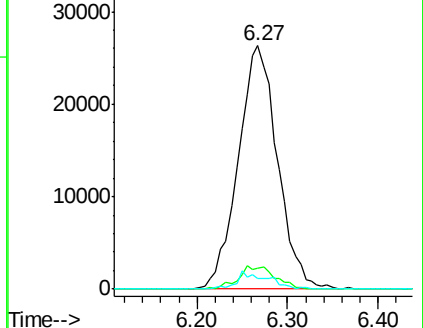
100 4.1 2.6 7.8

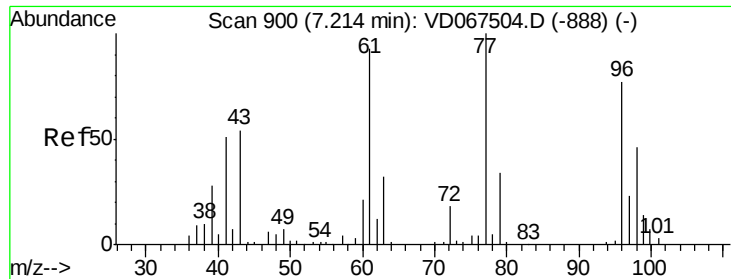


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 91.051 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion: 43 Resp: 37148

Ion Ratio Lower Upper

43 100

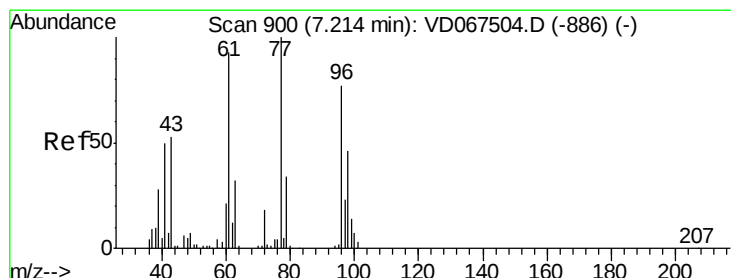
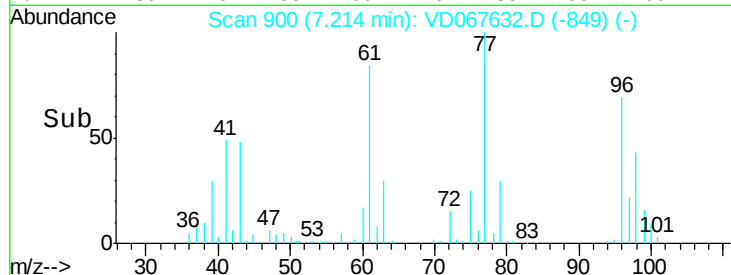
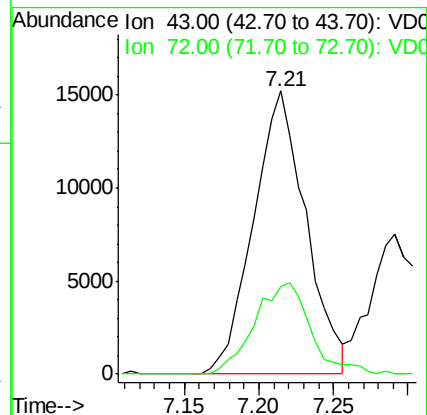
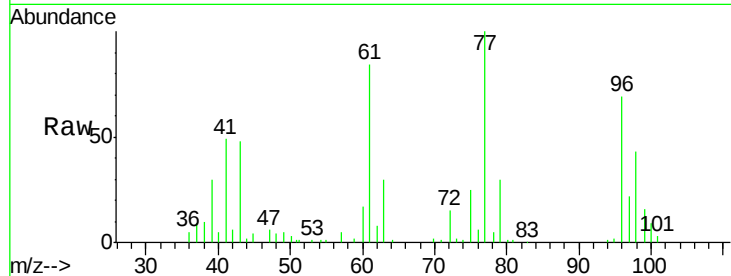
72 31.1 26.4 39.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.206 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067632.D

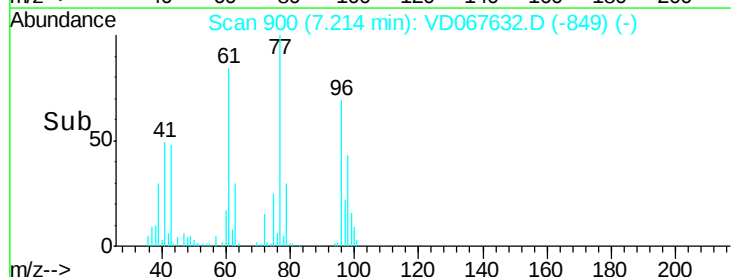
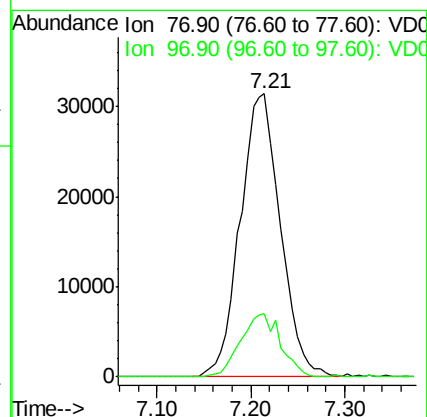
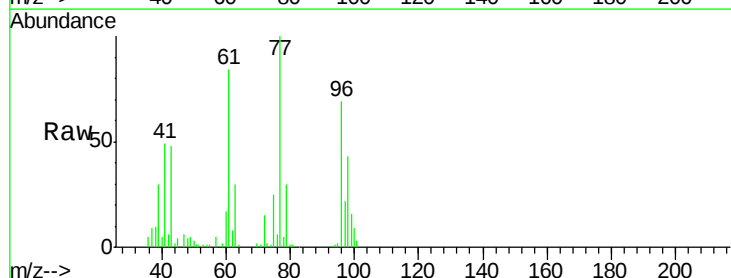
Acq: 16 Nov 2020 11:18

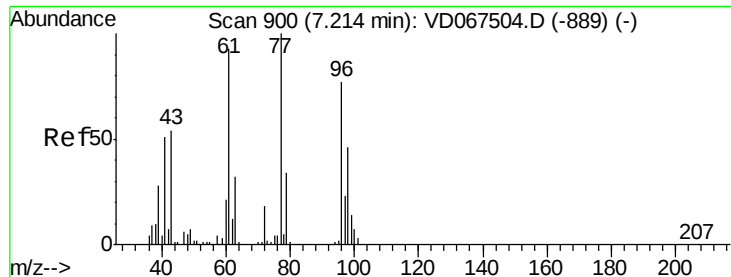
Tgt Ion: 77 Resp: 93007

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3





#27

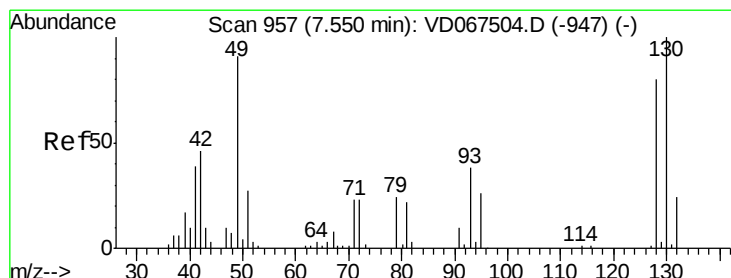
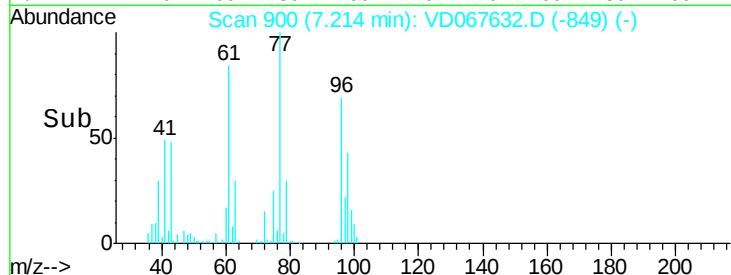
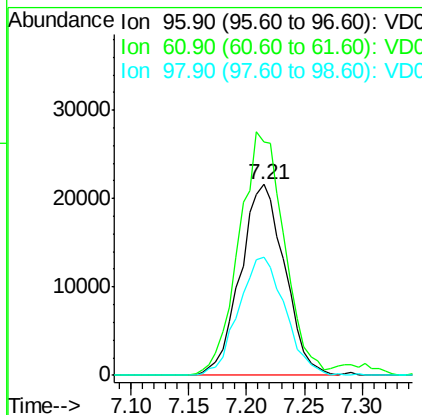
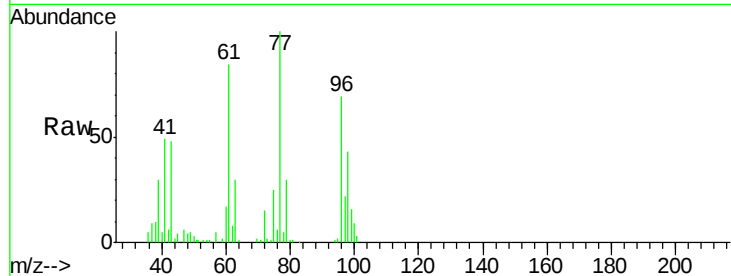
cis-1,2-Dichloroethene  
Concen: 19.599 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 130.1 | 0.0   | 251.6 |
| 98      | 64.9  | 0.0   | 128.0 |

Manual Integrations  
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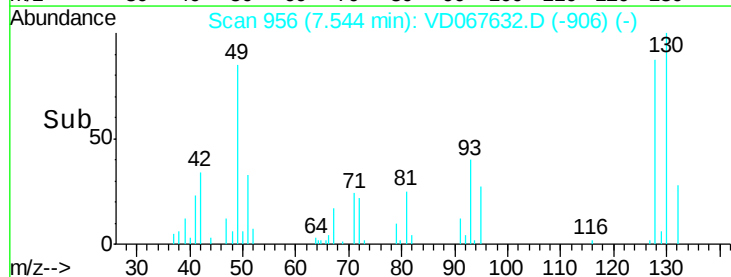
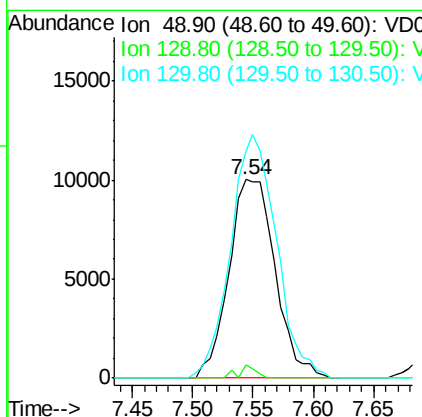
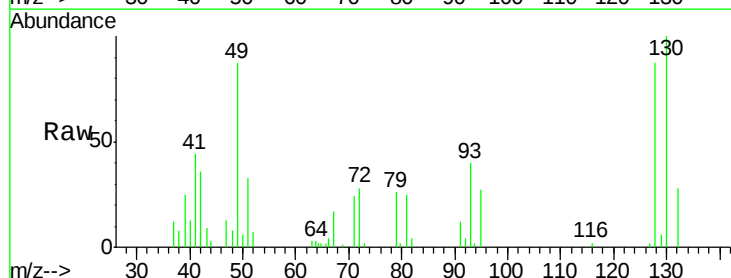
MMDadoda  
11/17/2020 6:57:54 PM

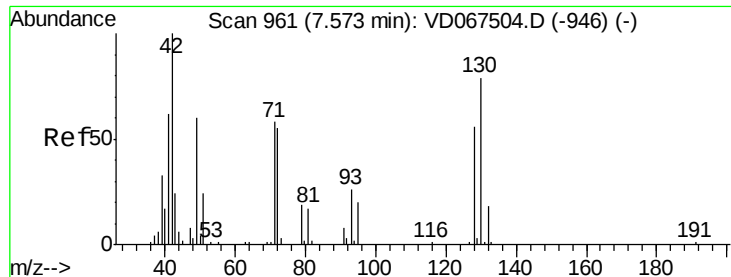


#28

Bromochloromethane  
Concen: 18.092 ug/l  
RT: 7.54 min Scan# 956  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.3   | 0.0   | 6.4   |
| 130     | 121.4 | 94.6  | 142.0 |





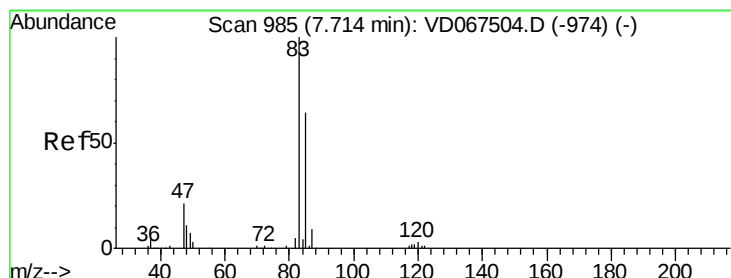
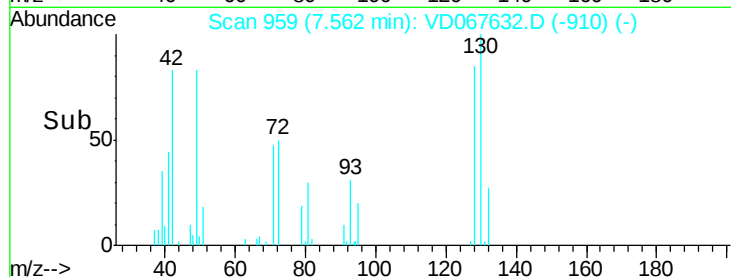
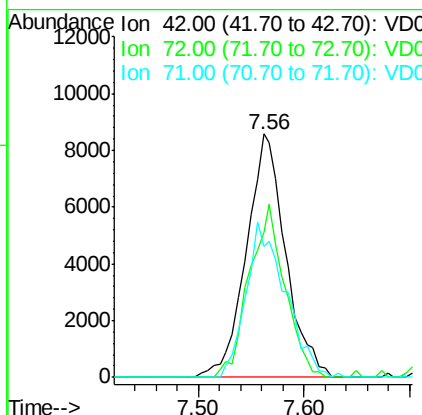
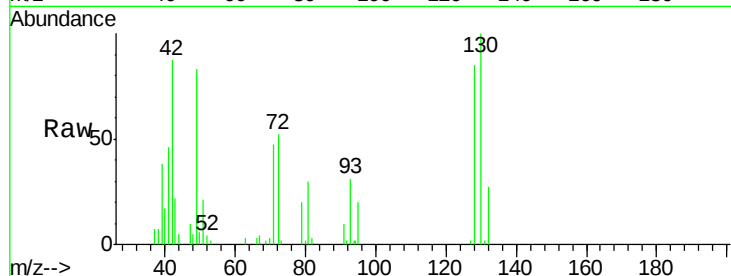
#29  
Tetrahydrofuran  
Concen: 90.556 ug/l  
RT: 7.56 min Scan# 959  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 64.7  | 46.3  | 69.5  |
| 71      | 63.7  | 44.0  | 66.0  |

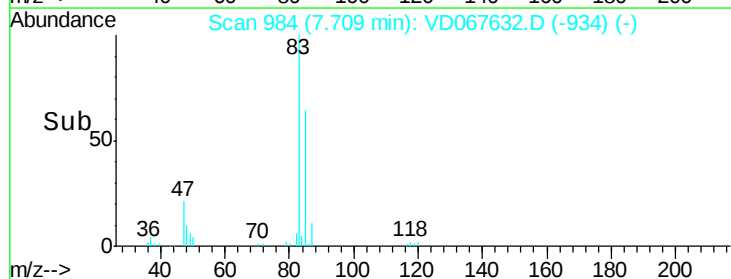
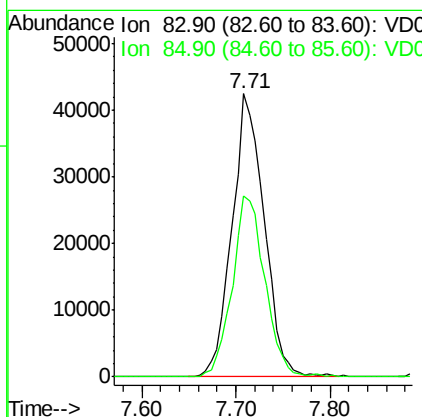
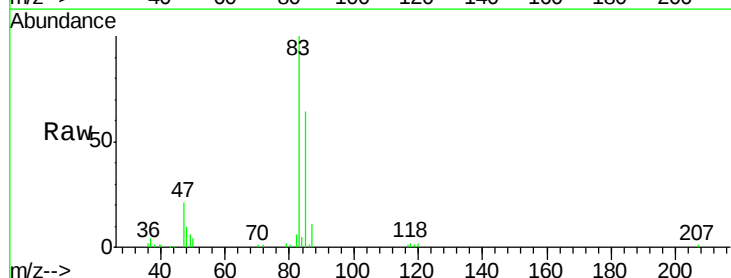
Manual Integrations  
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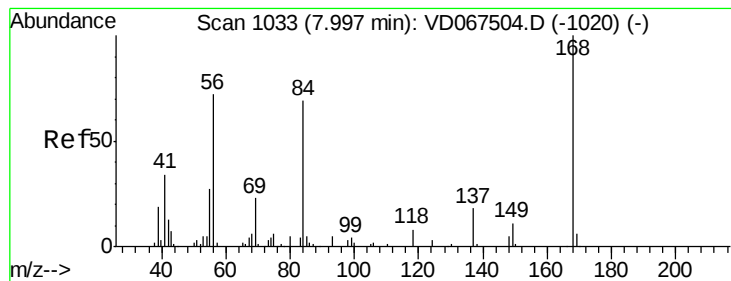
MMDadoda  
11/17/2020 6:57:54 PM



#30  
Chloroform  
Concen: 20.300 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.7  | 51.5  | 77.3  |





#31

Cyclohexane

Concen: 18.898 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion: 56 Resp: 69936

Ion Ratio Lower Upper

56 100

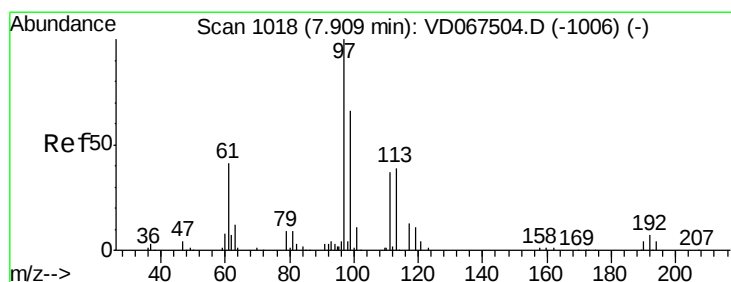
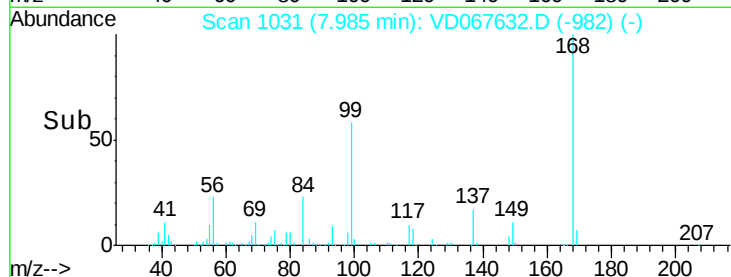
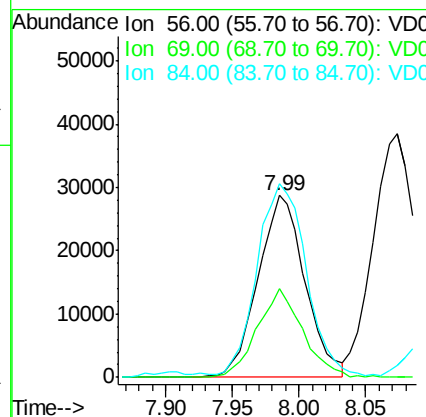
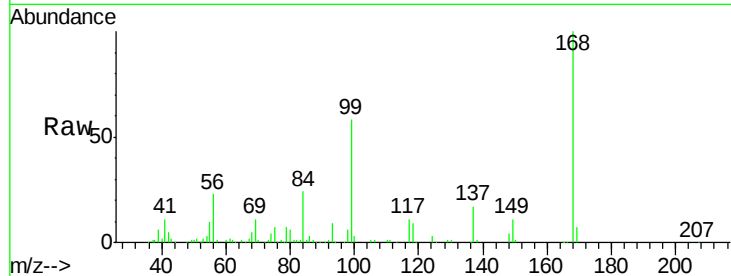
69 48.7 25.9 38.9#

84 104.2 76.2 114.4

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 20.533 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

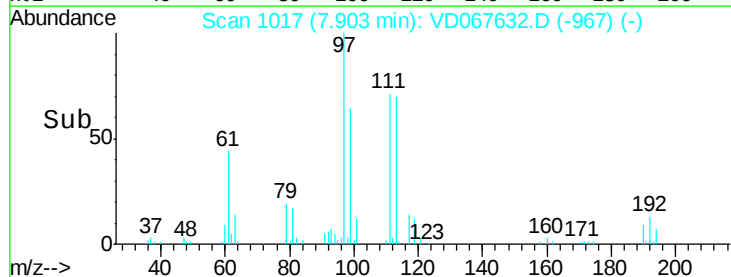
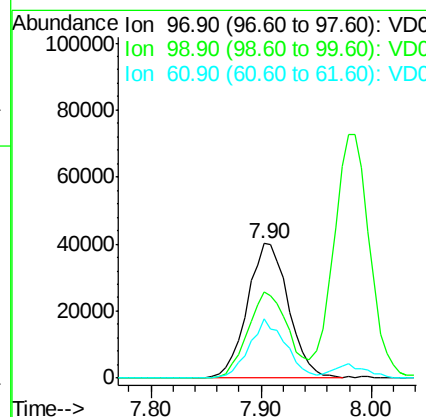
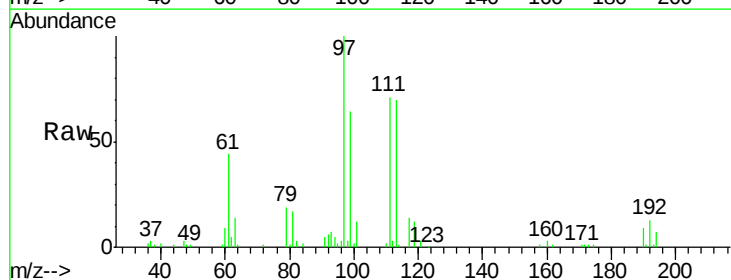
Tgt Ion: 97 Resp: 105034

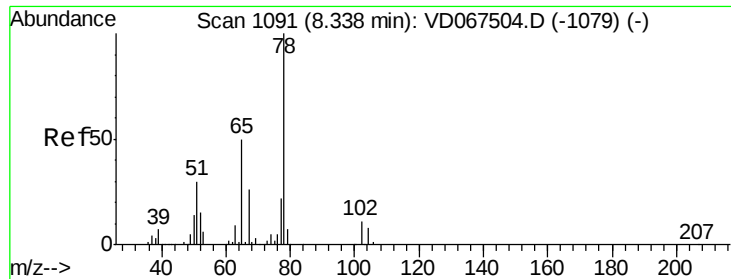
Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.6

61 38.7 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 43.222 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion: 65 Resp: 110283

Ion Ratio Lower Upper

65 100

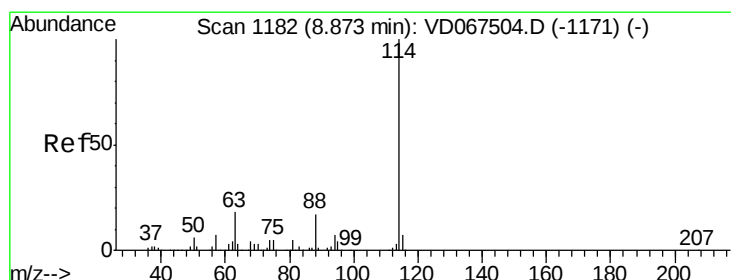
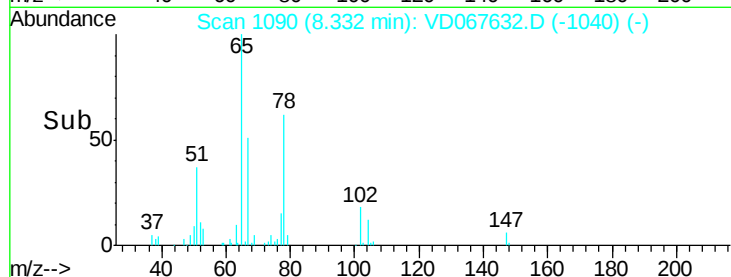
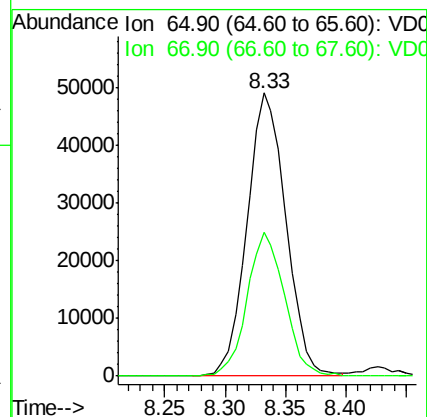
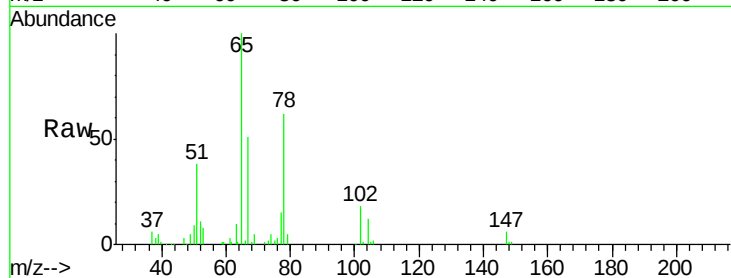
67 49.2 0.0 99.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

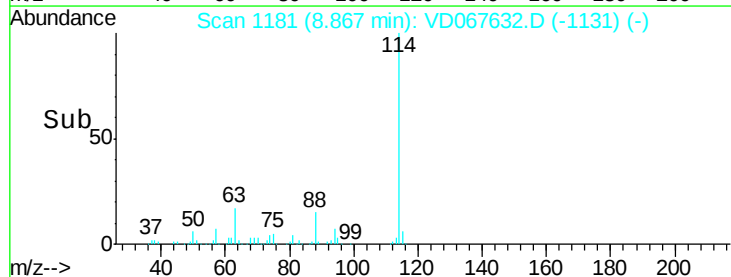
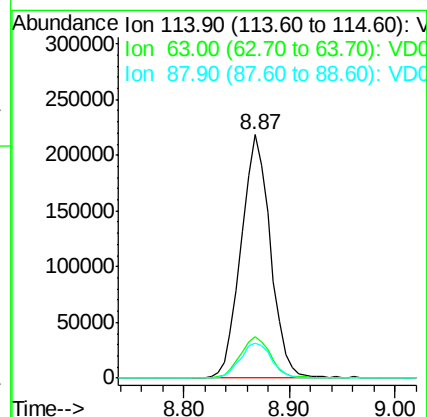
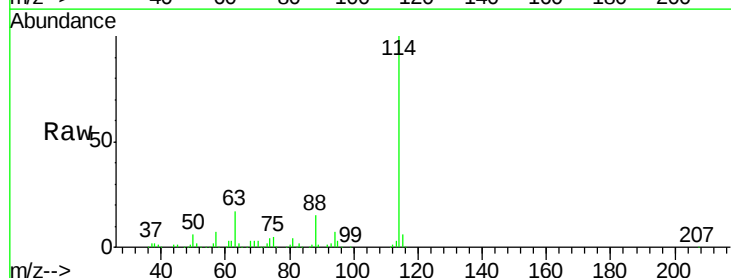
Tgt Ion: 114 Resp: 420852

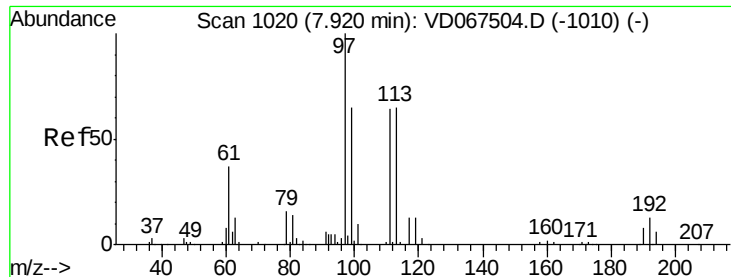
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 14.6 0.0 33.0





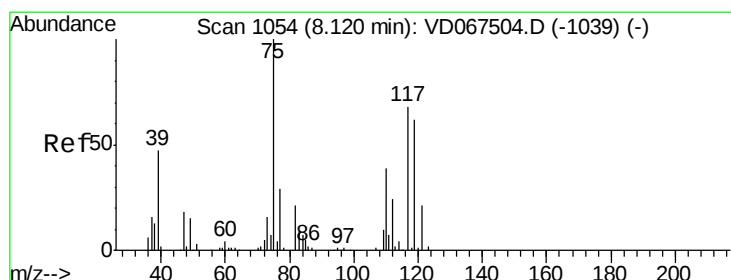
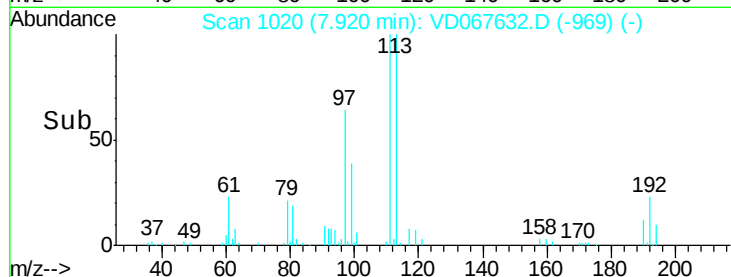
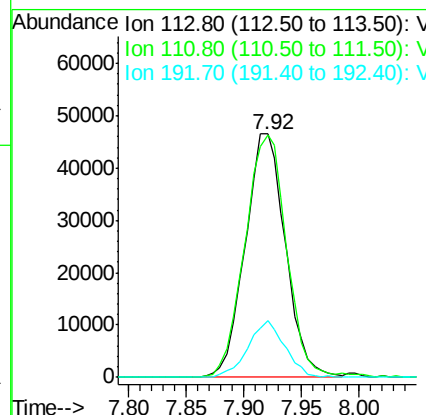
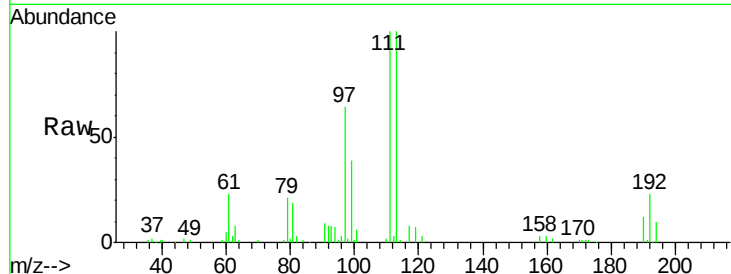
#35  
Dibromofluoromethane  
Concen: 44.633 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 113173 |       |       |
| 111     | 102.4 | 80.0   | 120.0 |       |
| 192     | 21.4  | 16.3   | 24.5  |       |

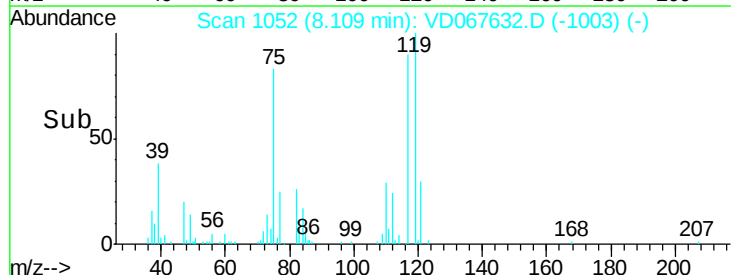
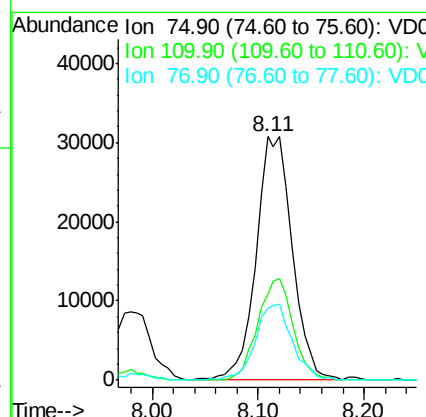
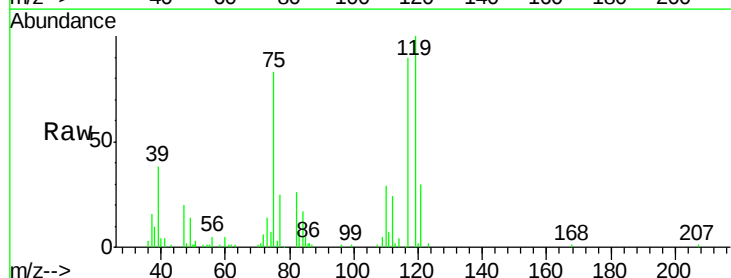
Manual Integrations  
APPROVED

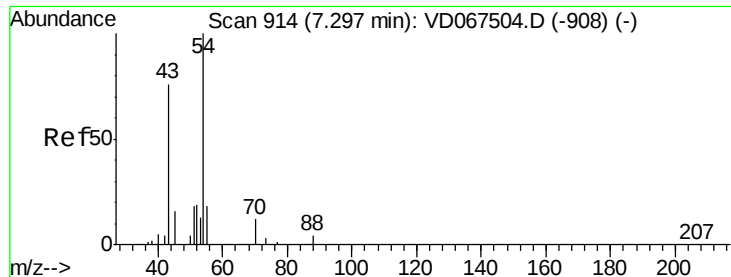
MMDadoda  
11/17/2020 6:57:54 PM



#36  
1,1-Dichloropropene  
Concen: 20.403 ug/l  
RT: 8.11 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 73501 |       |       |
| 110     | 40.4  | 19.9  | 59.7  |       |
| 77      | 31.8  | 24.8  | 37.2  |       |





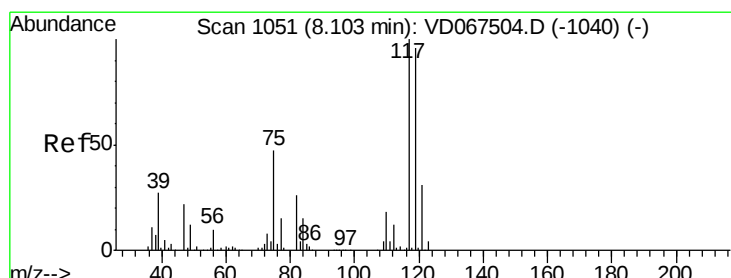
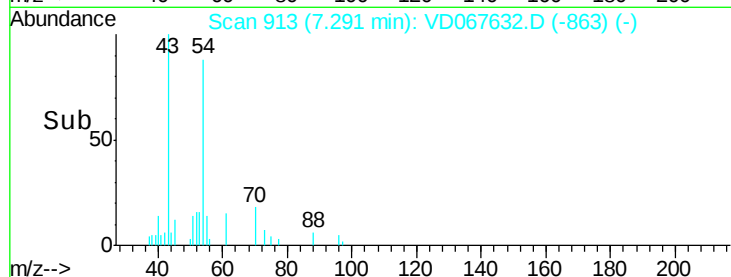
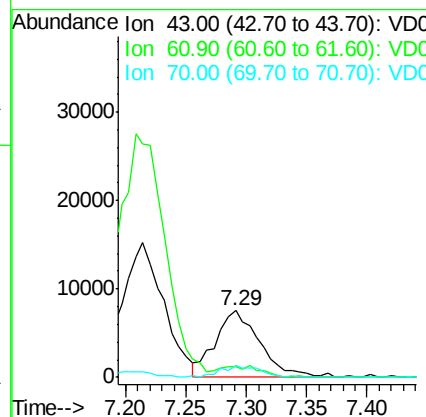
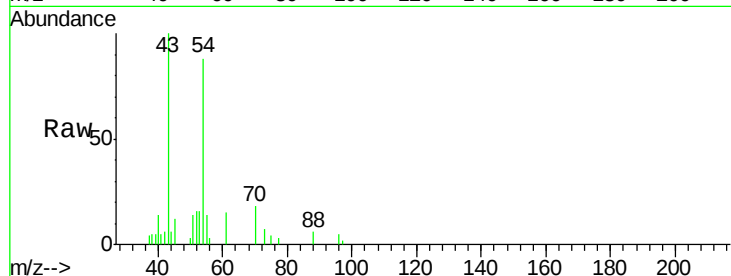
#37  
Ethyl Acetate  
Concen: 20.790 ug/l  
RT: 7.29 min Scan# 913  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.6  | 12.8  | 19.2  |
| 70      | 15.8  | 11.7  | 17.5  |

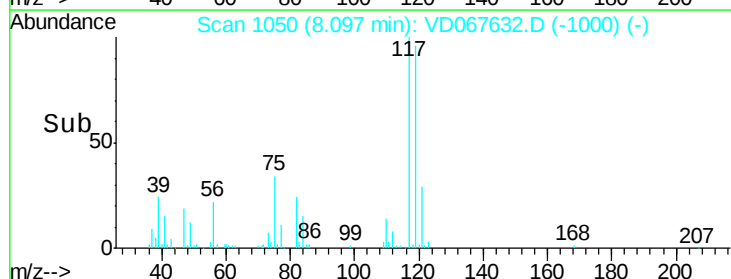
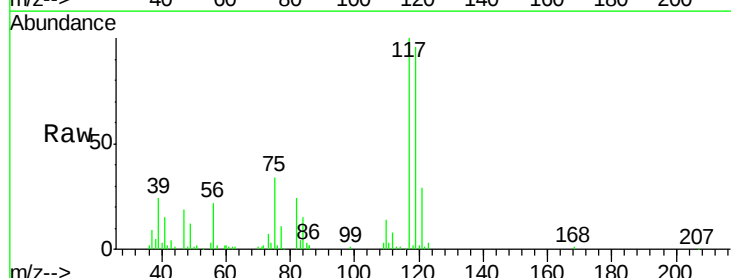
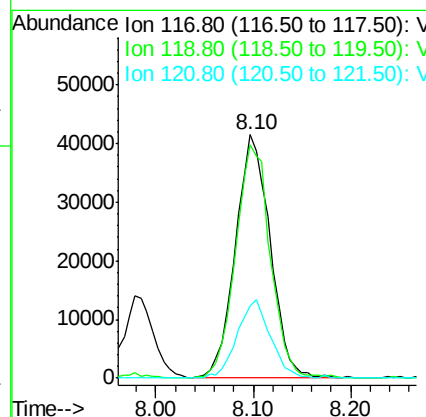
Manual Integrations  
APPROVED

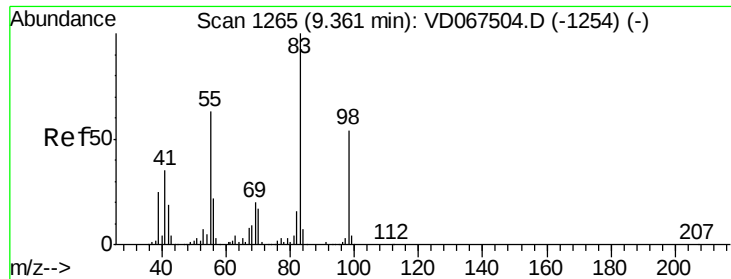
MMDadoda  
11/17/2020 6:57:54 PM



#38  
Carbon Tetrachloride  
Concen: 21.937 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.8  | 76.9  | 115.3 |
| 121     | 29.4  | 24.5  | 36.7  |





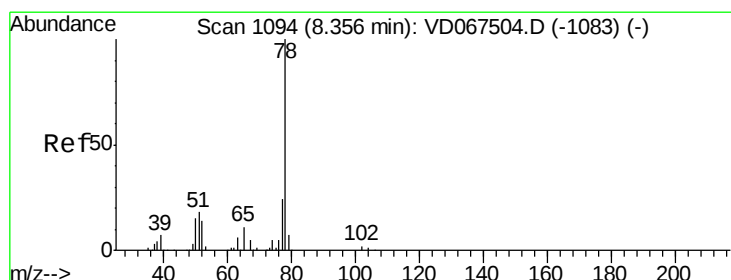
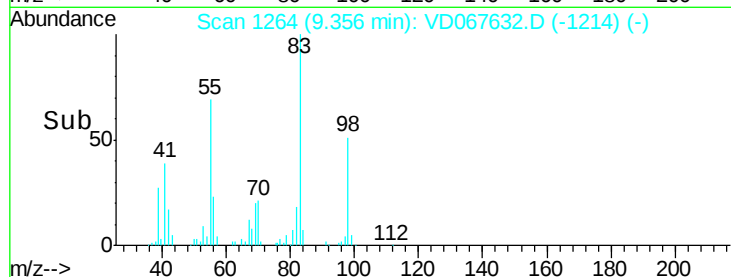
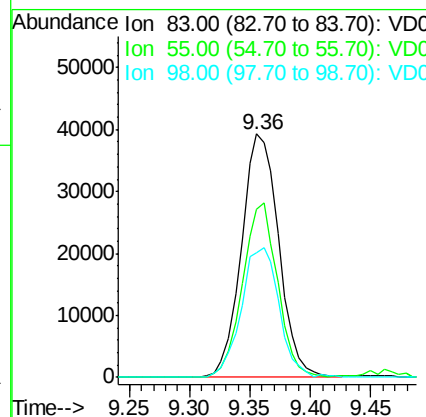
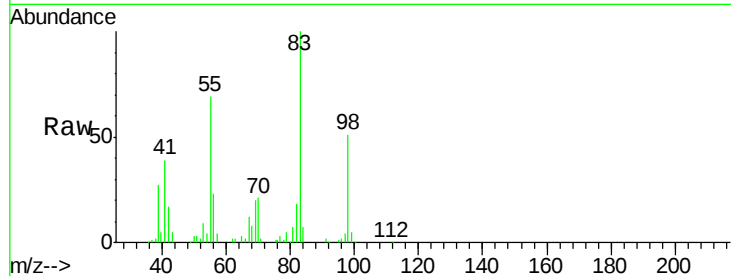
#39  
Methvlcvclohexane  
Concen: 19.953 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 69.1  | 50.5  | 75.7  |
| 98      | 51.4  | 43.4  | 65.0  |

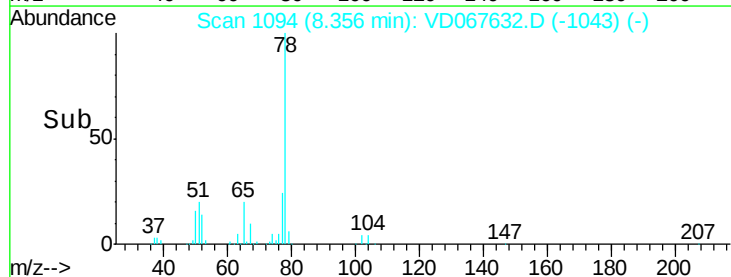
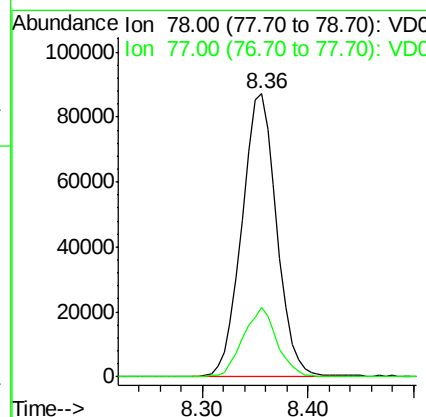
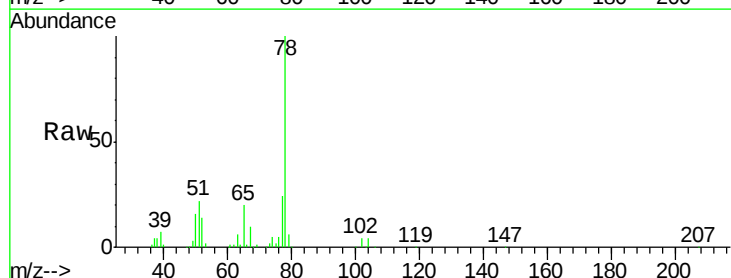
Manual Integrations  
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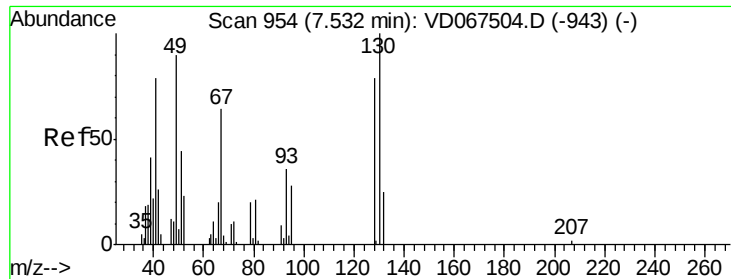
MMDadoda  
11/17/2020 6:57:54 PM



#40  
Benzene  
Concen: 20.427 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.5  | 19.1  | 28.7  |





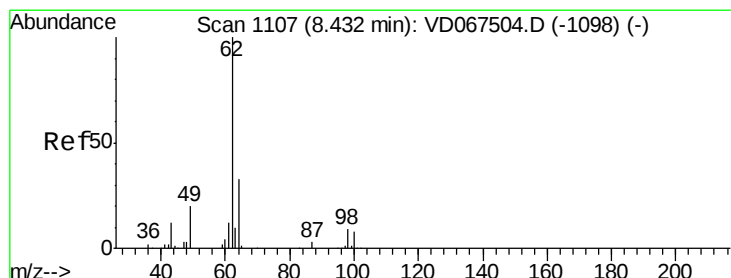
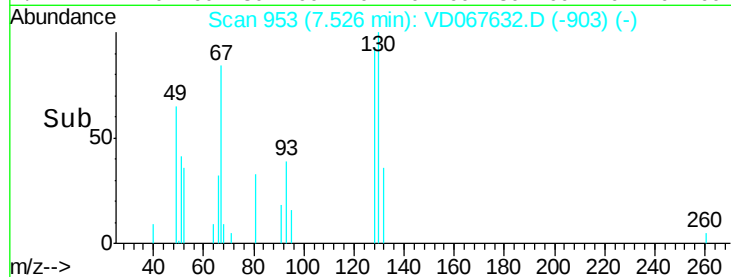
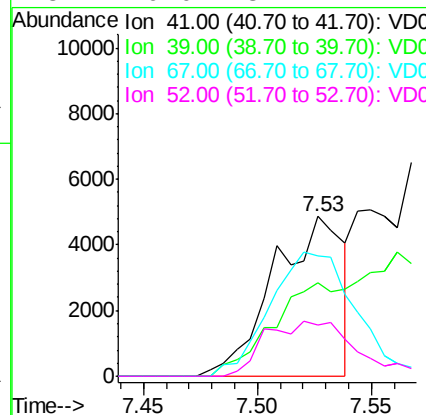
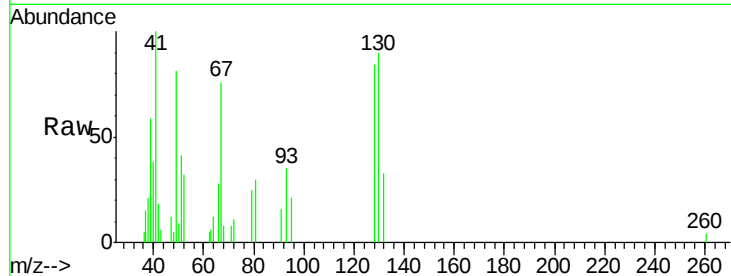
#41  
Methacrylonitrile  
Concen: 18.453 ug/l m  
RT: 7.53 min Scan# 953  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 39      | 0.0   | 51.3  | 76.9#  |
| 67      | 0.0   | 78.9  | 118.3# |
| 52      | 0.0   | 31.4  | 47.2#  |

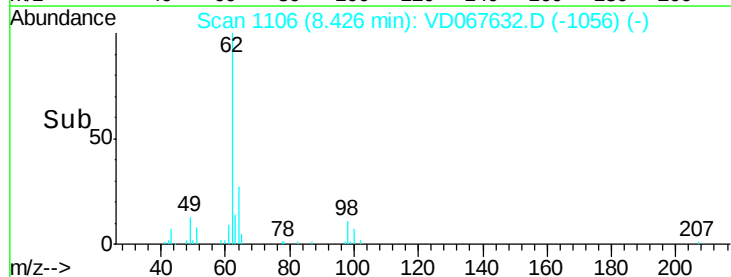
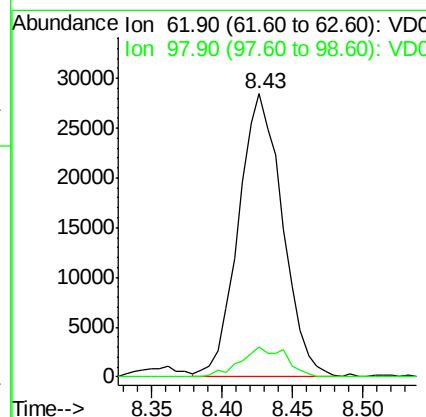
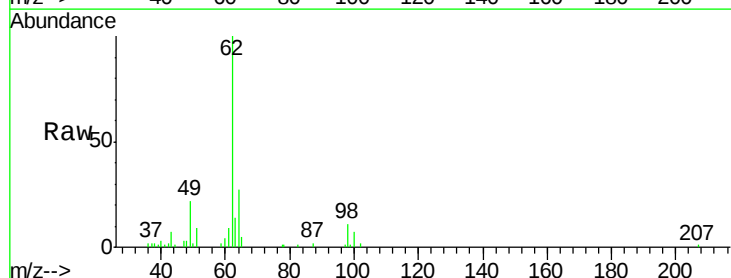
Manual Integrations  
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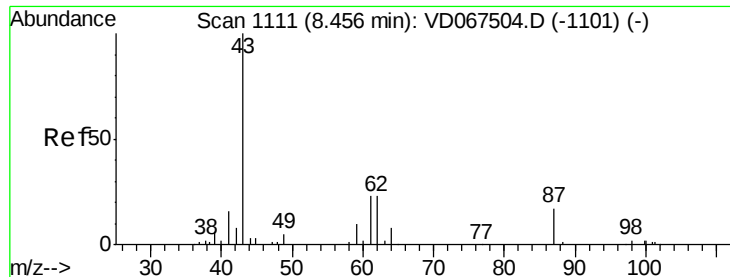
MMDadoda  
11/17/2020 6:57:54 PM



#42  
1,2-Dichloroethane  
Concen: 20.673 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.7  | 0.0   | 19.8  |





#43

Isopropyl Acetate

Concen: 18.931 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

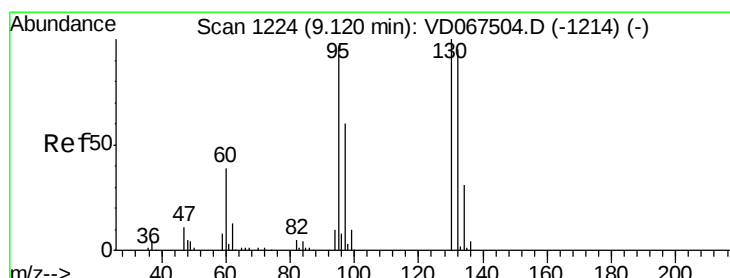
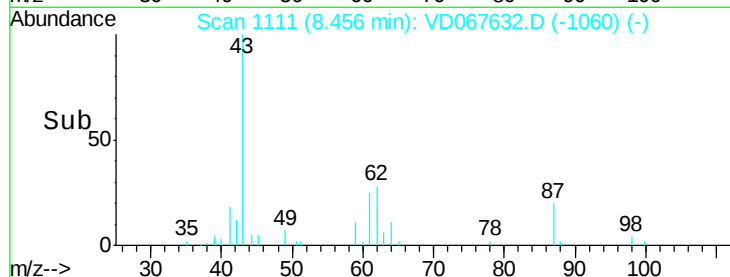
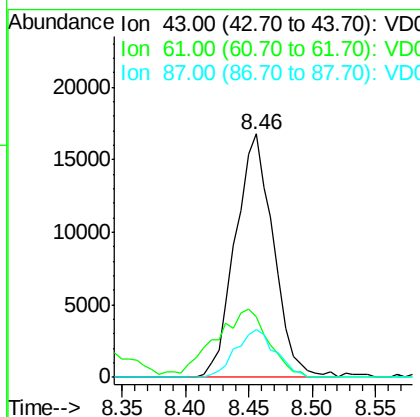
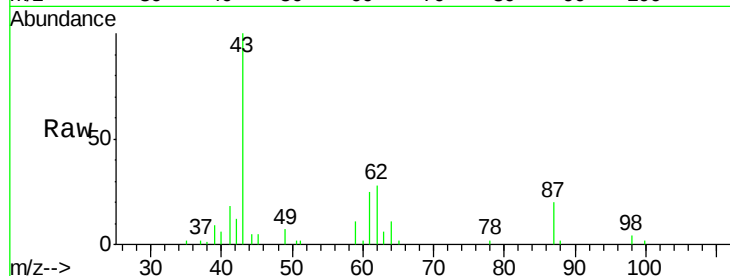
ClientSampleId :

VD1116SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 35015 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 39.1  | 30.5  | 45.7  |
| 87       | 20.3  | 14.7  | 22.1  |

Manual Integrations  
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#44

Trichloroethene

Concen: 20.045 ug/l

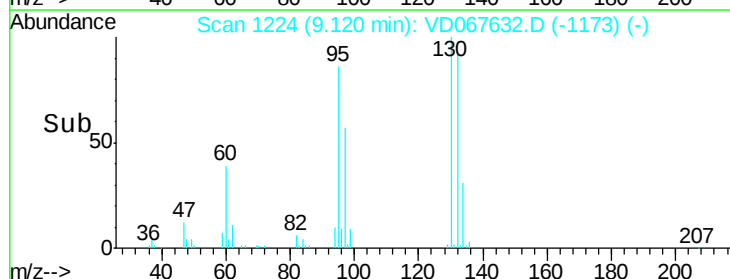
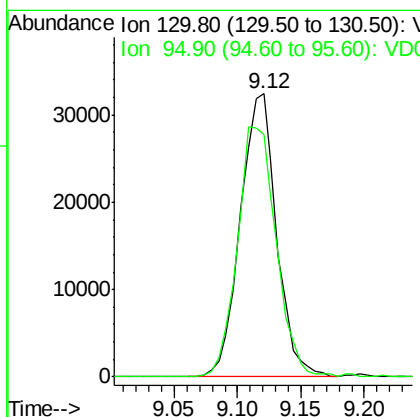
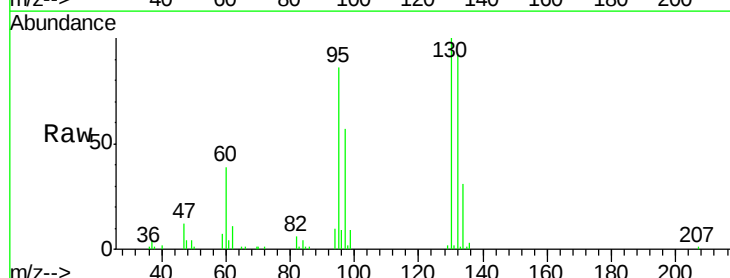
RT: 9.12 min Scan# 1224

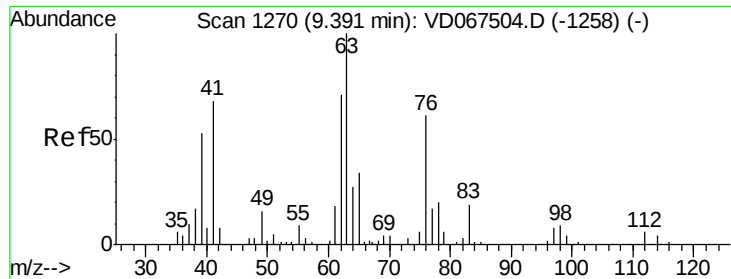
Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 64316 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 85.6  | 0.0   | 194.4 |





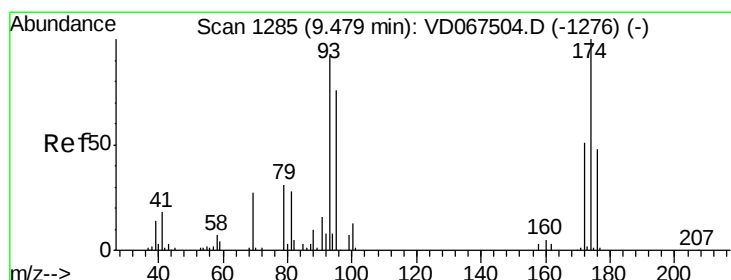
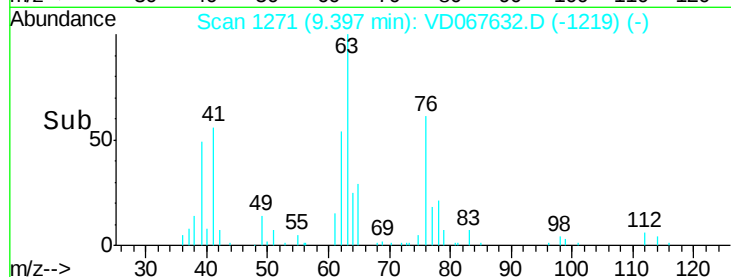
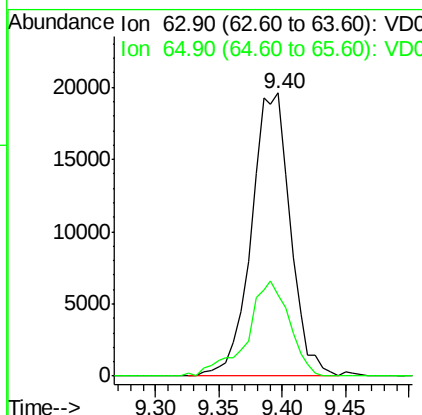
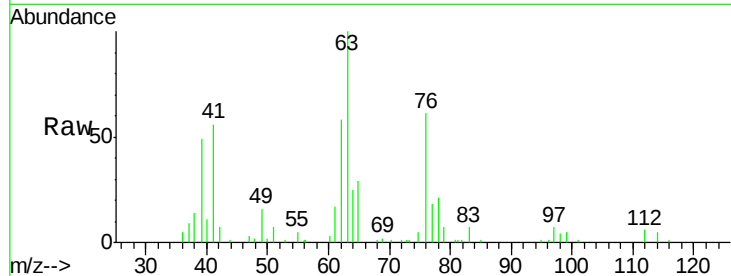
#45  
 1,2-Dichloropropane  
 Concen: 19.903 ug/l  
 RT: 9.40 min Scan# 1271  
 Delta R.T. 0.01 min  
 Lab File: VD067632.D  
 Acq: 16 Nov 2020 11:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1116SBS01

Tot Ion: 63 Resp: 41990  
 Ion Ratio Lower Upper  
 63 100  
 65 28.8 26.9 40.3

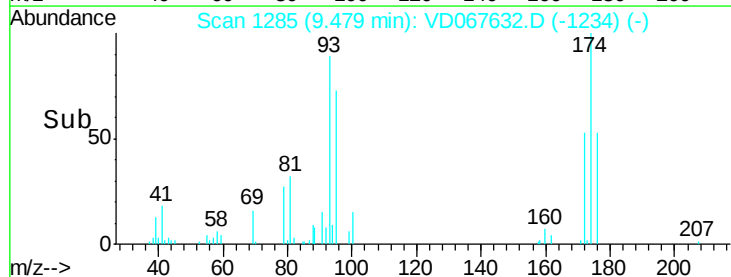
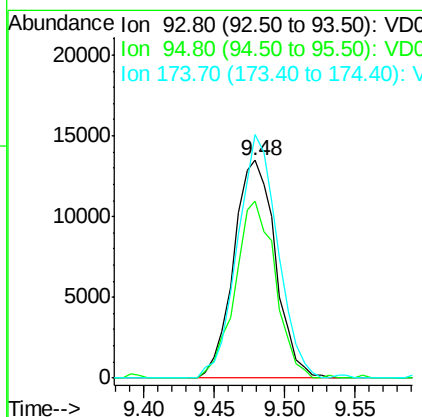
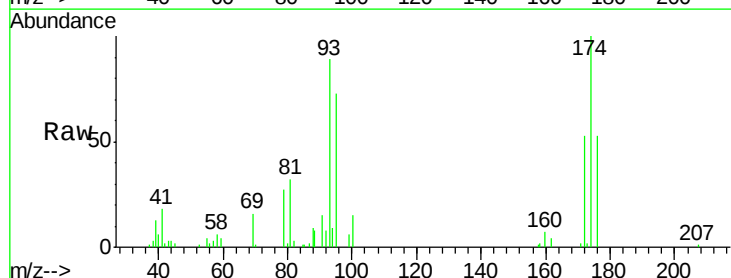
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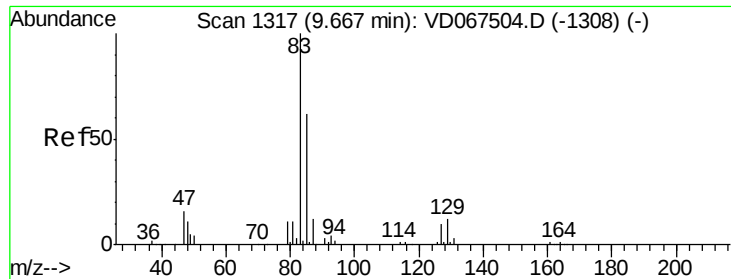
MMDadoda  
 11/17/2020 6:57:54 PM



#46  
 Dibromomethane  
 Concen: 20.780 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. 0.00 min  
 Lab File: VD067632.D  
 Acq: 16 Nov 2020 11:18

Tgt Ion: 93 Resp: 27876  
 Ion Ratio Lower Upper  
 93 100  
 95 78.2 66.4 99.6  
 174 108.1 88.2 132.4





#47

Bromodichloromethane

Concen: 20.343 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

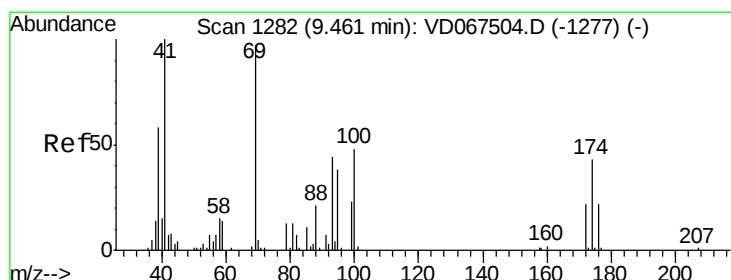
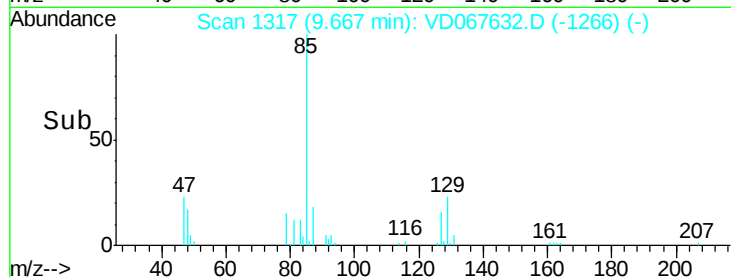
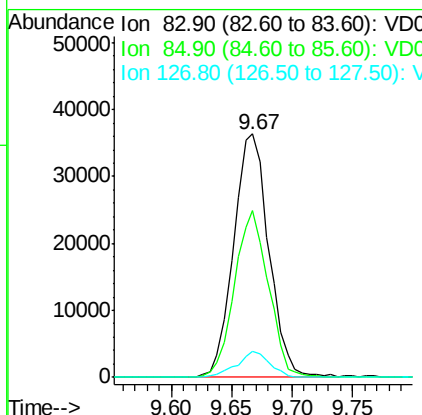
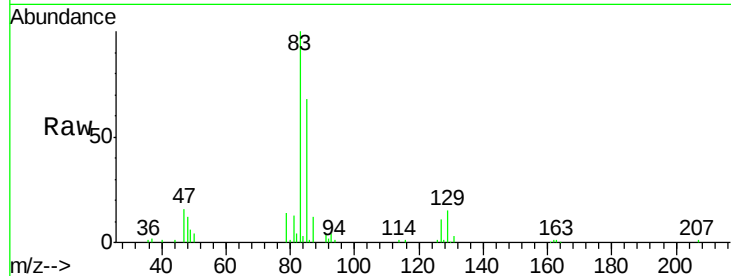
ClientSampleId :

VD1116SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 74171 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 68.3  | 49.4  | 74.2  |
| 127      | 10.7  | 7.7   | 11.5  |

Manual Integrations  
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11/17/2020 6:57:54 PM



#48

Methyl methacrylate

Concen: 18.731 ug/l

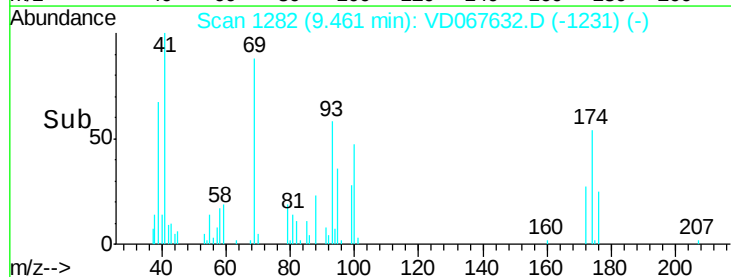
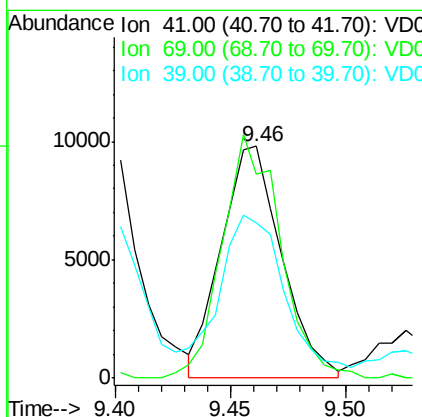
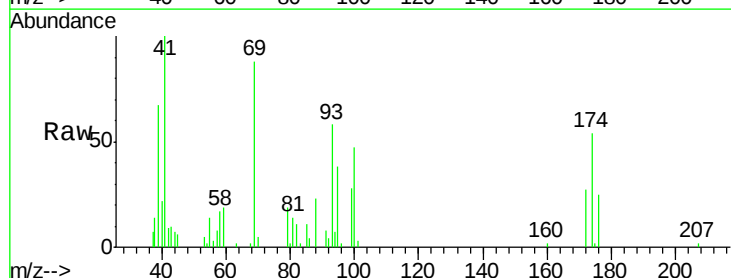
RT: 9.46 min Scan# 1282

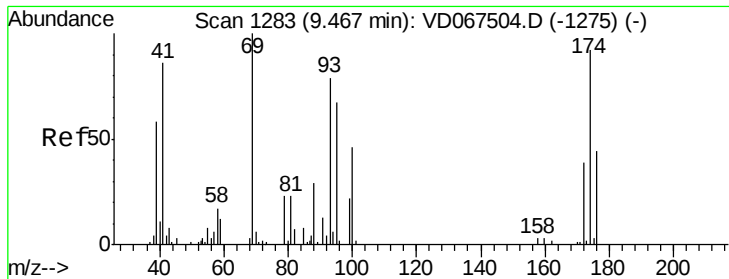
Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 17888 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 101.2 | 80.6  | 121.0 |
| 39       | 66.8  | 50.2  | 75.4  |





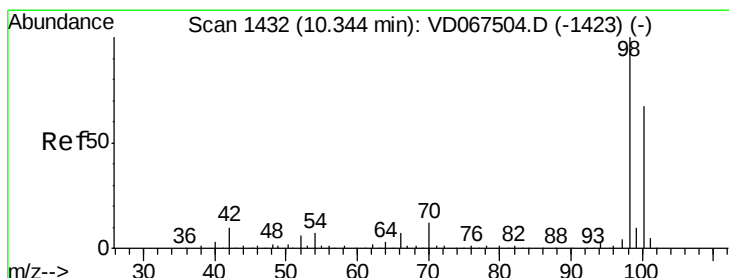
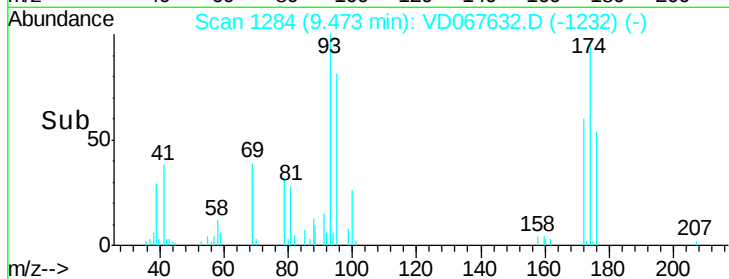
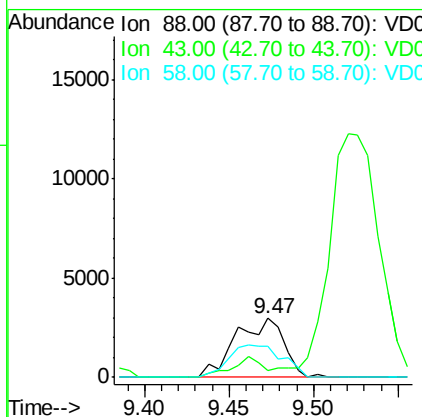
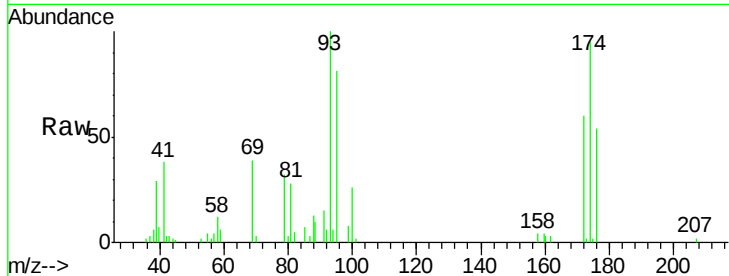
#49  
1,4-Dioxane  
Concen: 434.351 ug/l  
RT: 9.47 min Scan# 1284  
Delta R.T. 0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 27.2  | 23.6  | 35.4  |
| 58      | 60.9  | 44.7  | 67.1  |

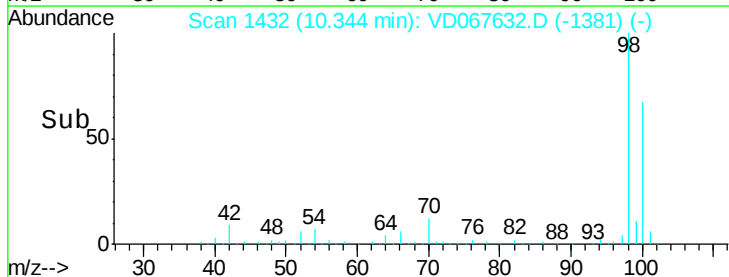
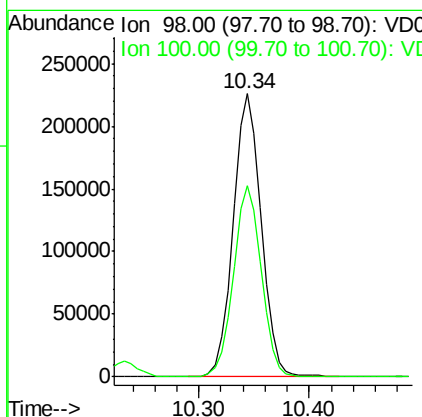
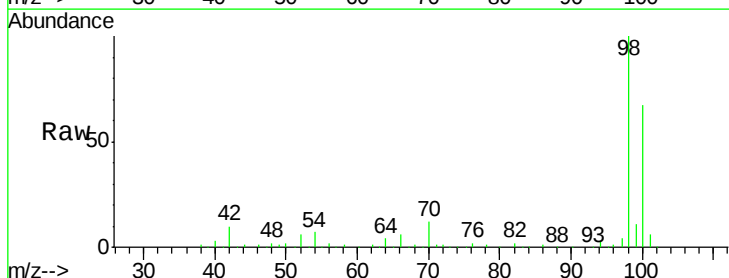
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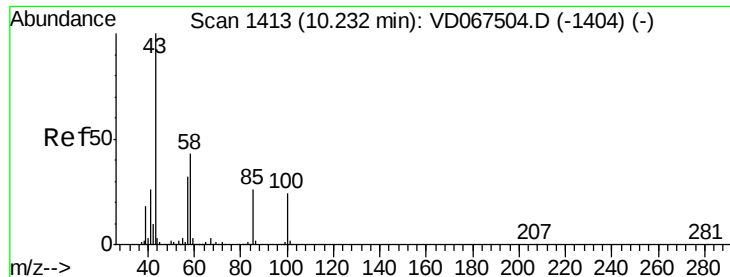
MMDadoda  
11/17/2020 6:57:54 PM



#50  
Toluene-d8  
Concen: 45.277 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.9  | 53.0  | 79.6  |





#51

4-Methyl-2-Pentanone

Concen: 96.378 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion: 43 Resp: 85256

Ion Ratio Lower Upper

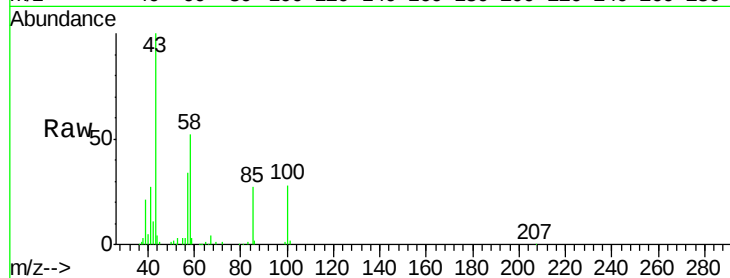
43 100

58 47.5 35.6 53.4

Manual Integrations  
APPROVED

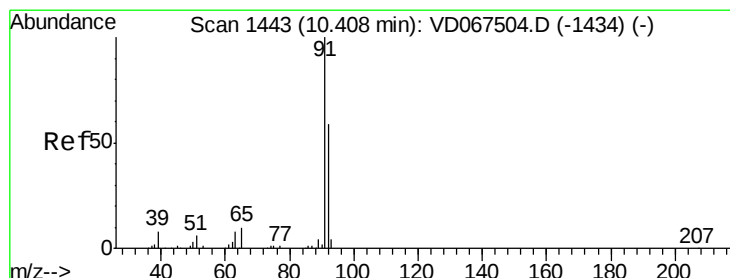
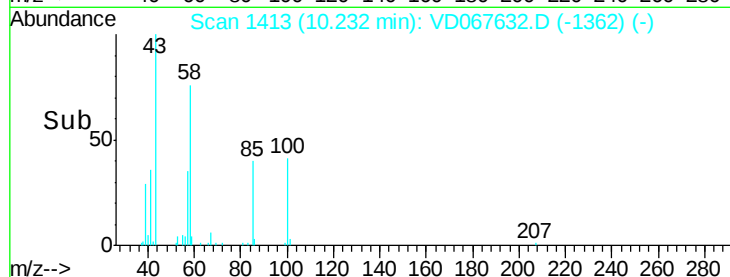
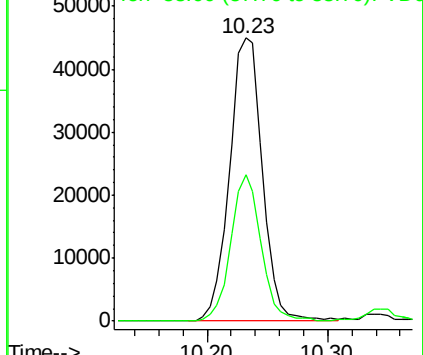
MMDadoda

11/17/2020 6:57:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.788 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067632.D

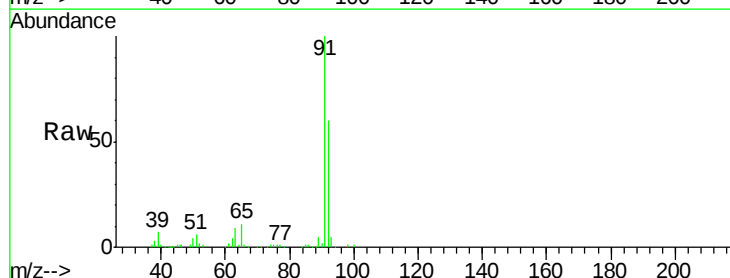
Acq: 16 Nov 2020 11:18

Tgt Ion: 92 Resp: 142407

Ion Ratio Lower Upper

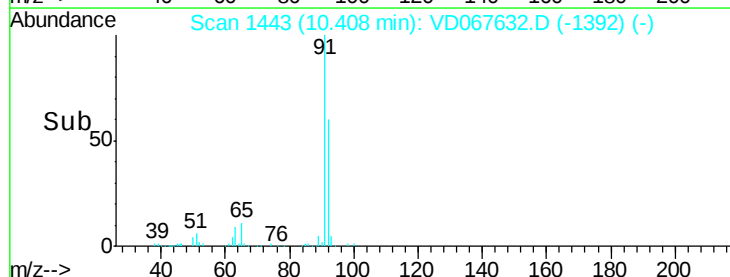
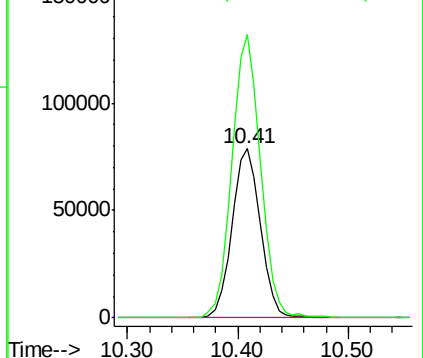
92 100

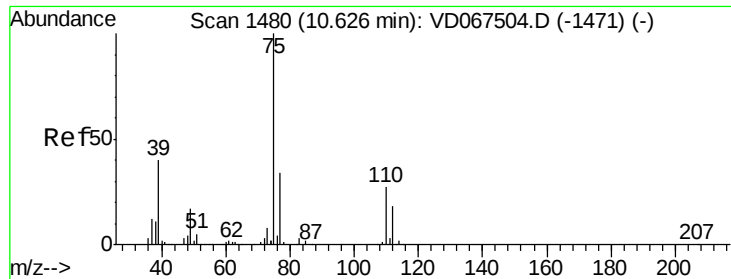
91 168.0 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





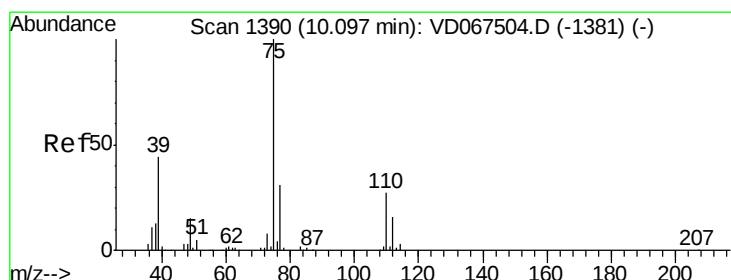
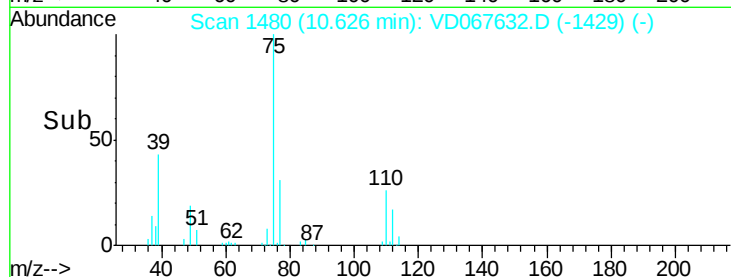
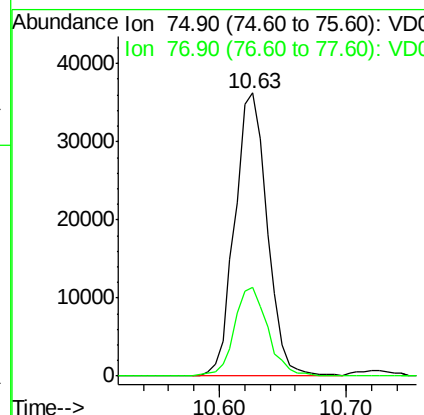
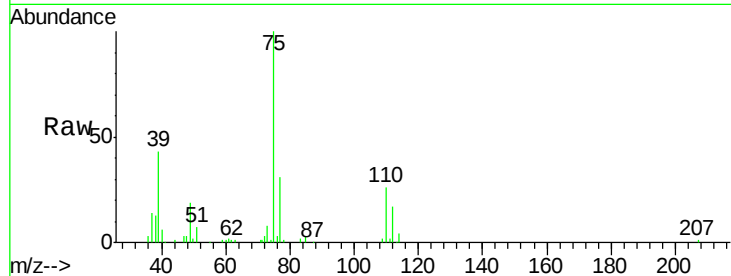
#53  
t-1,3-Dichloropropene  
Concen: 20.533 ug/l  
RT: 10.63 min Scan# 1480  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.2  | 27.0  | 40.6  |

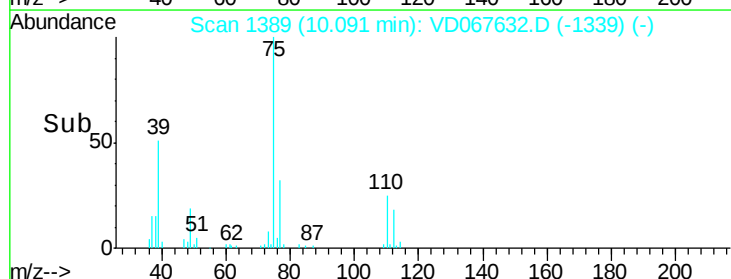
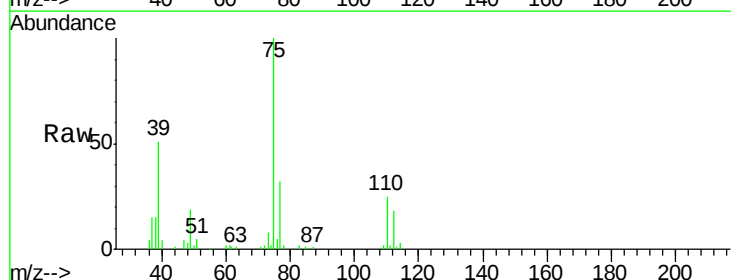
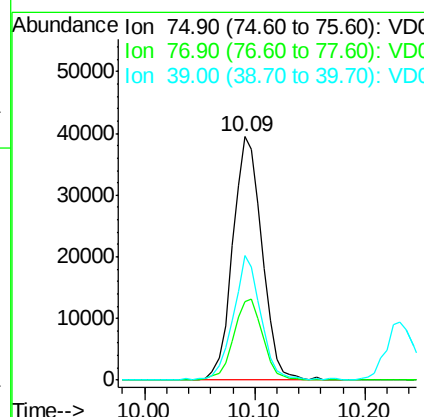
Manual Integrations  
APPROVED

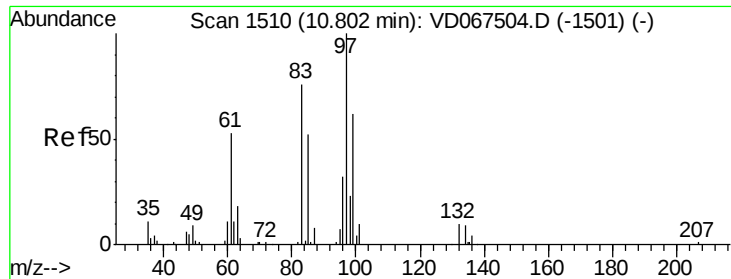
MMDadoda  
11/17/2020 6:57:54 PM



#54  
cis-1,3-Dichloropropene  
Concen: 19.789 ug/l  
RT: 10.09 min Scan# 1389  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.2  | 24.4  | 36.6  |
| 39      | 51.2  | 35.6  | 53.4  |





#55

1,1,2-Trichloroethane

Concen: 20.832 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion: 97 Resp: 36975

Ion Ratio Lower Upper

97 100

83 73.7 61.0 91.6

85 51.7 41.5 62.3

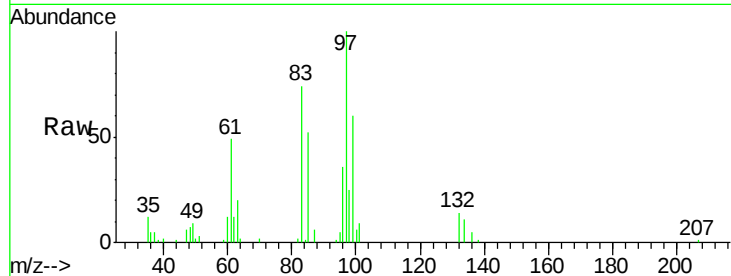
99 60.5 49.4 74.2

Manual Integrations

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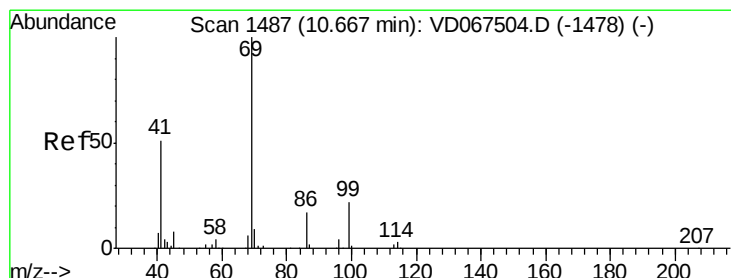
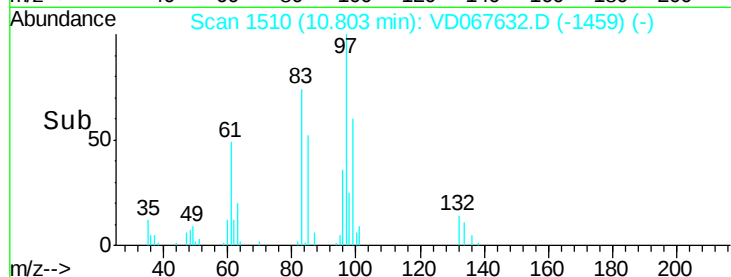
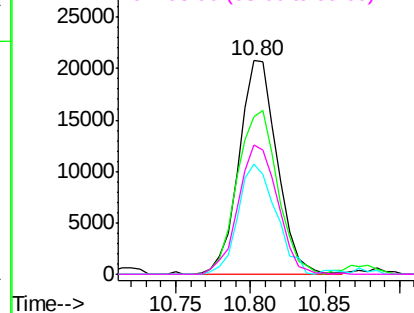
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.234 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

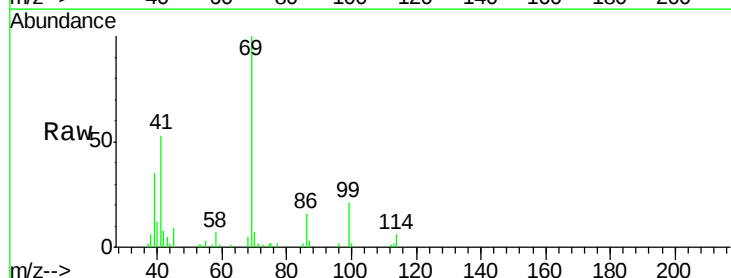
Tgt Ion: 69 Resp: 35254

Ion Ratio Lower Upper

69 100

41 57.2 45.4 68.0

39 35.0 27.4 41.0

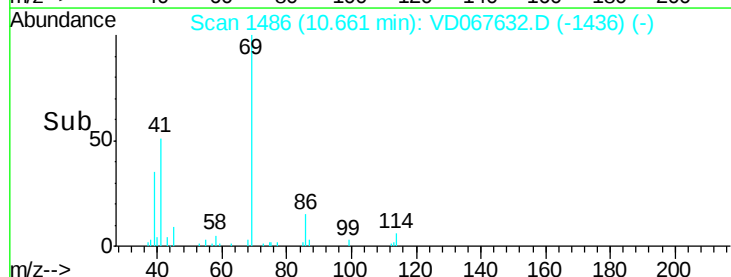
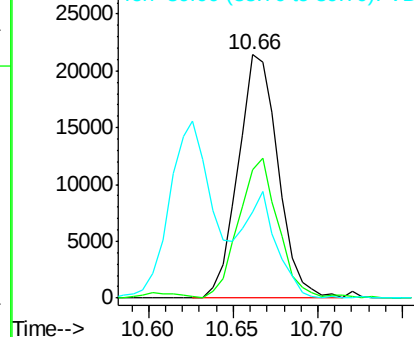


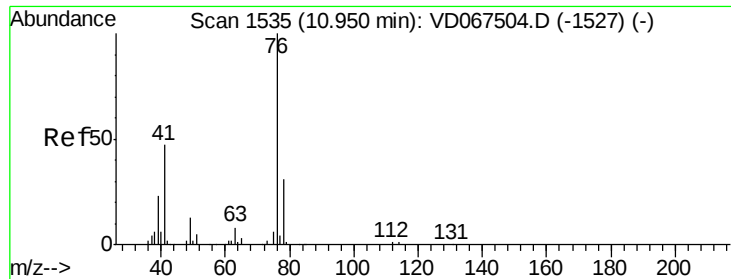
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





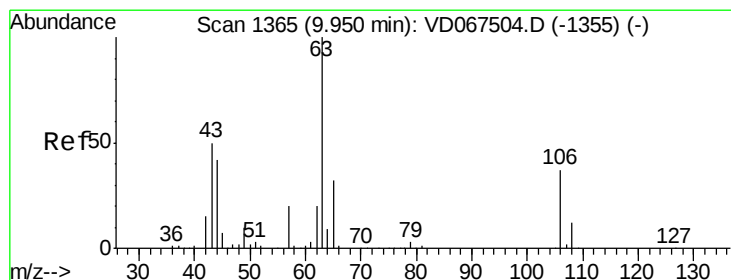
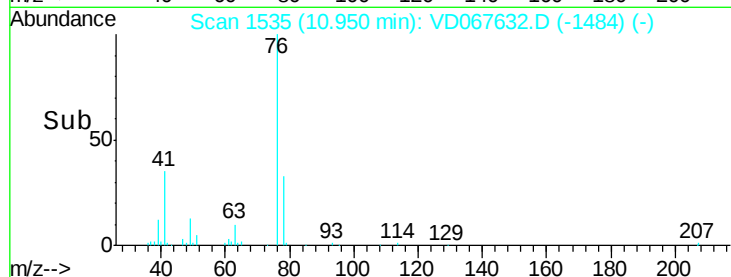
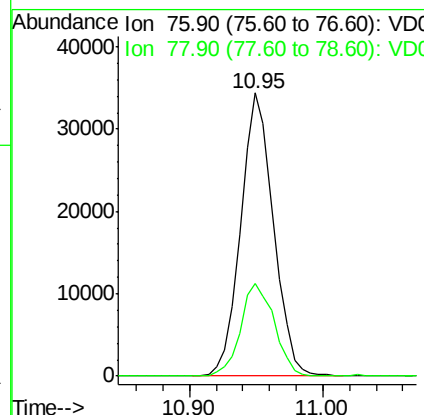
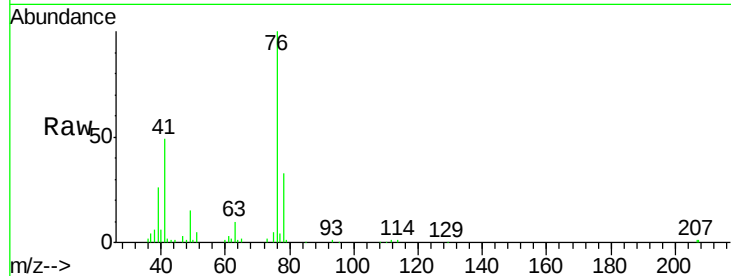
#57  
 1,3-Dichloropropane  
 Concen: 20.372 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VD067632.D  
 Acq: 16 Nov 2020 11:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.5  | 26.1  | 39.1  |

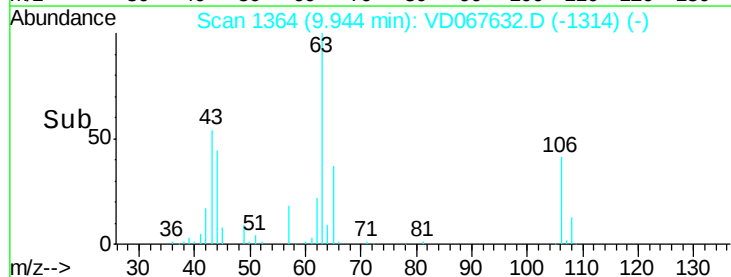
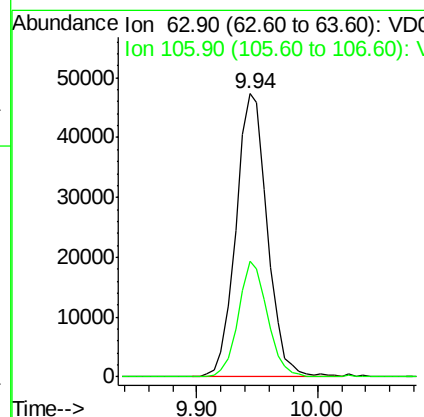
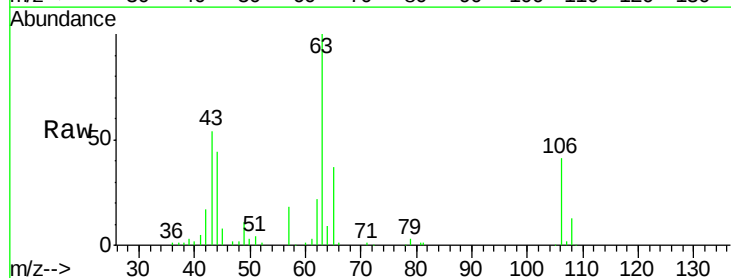
Manual Integrations  
 APPROVED

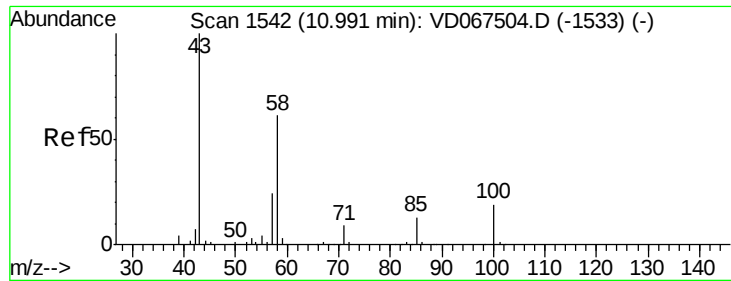
MMDadoda  
 11/17/2020 6:57:54 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 99.914 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. -0.01 min  
 Lab File: VD067632.D  
 Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 38.1  | 29.2  | 43.8  |





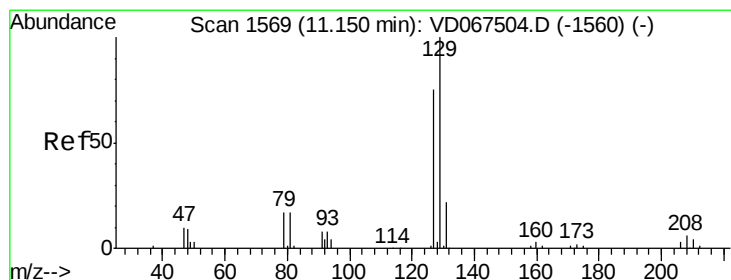
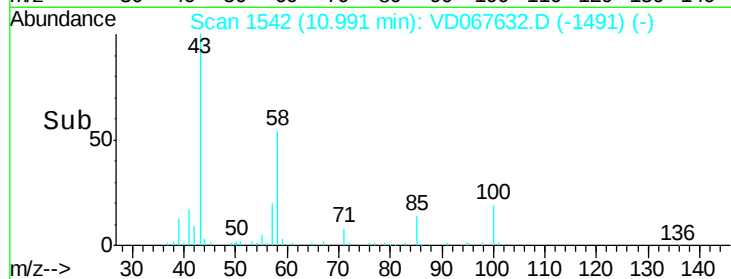
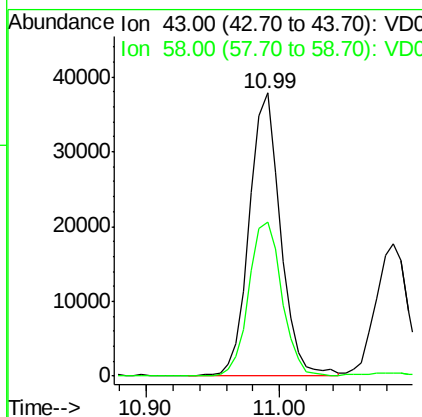
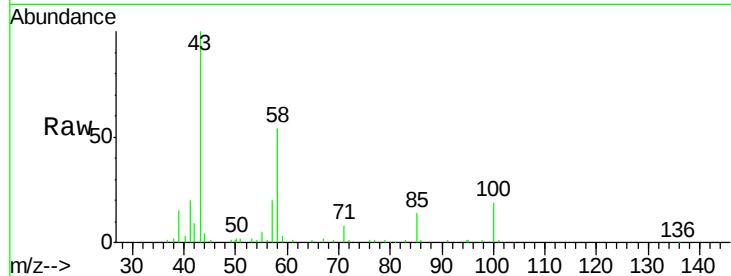
#59  
2-Hexanone  
Concen: 98.743 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

Tot Ion: 43 Resp: 61074  
Ion Ratio Lower Upper  
43 100  
58 57.4 30.3 90.9

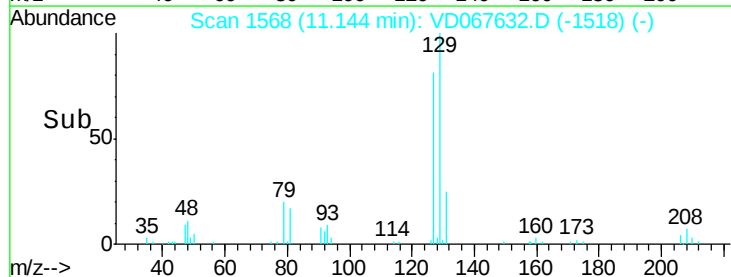
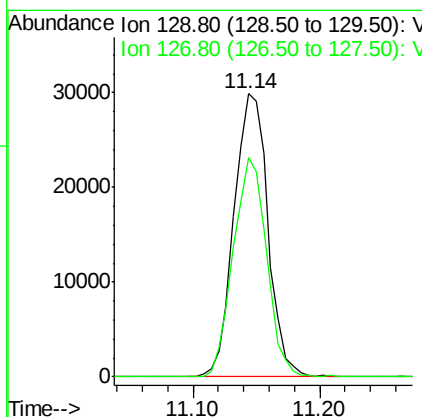
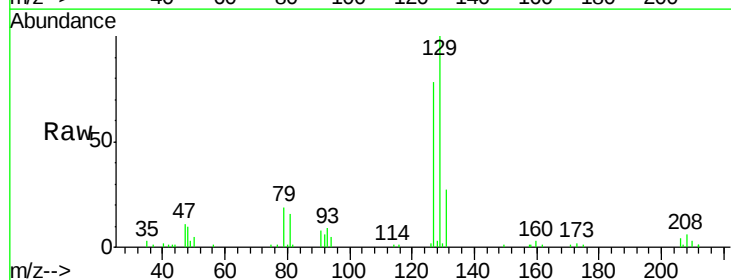
Manual Integrations  
APPROVED

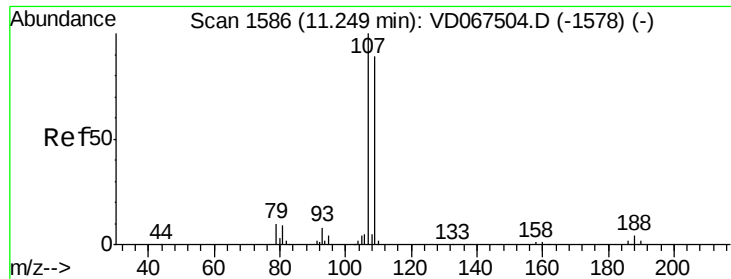
MMDadoda  
11/17/2020 6:57:54 PM



#60  
Dibromochloromethane  
Concen: 21.048 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Tgt Ion: 129 Resp: 55264  
Ion Ratio Lower Upper  
129 100  
127 76.2 38.0 114.1





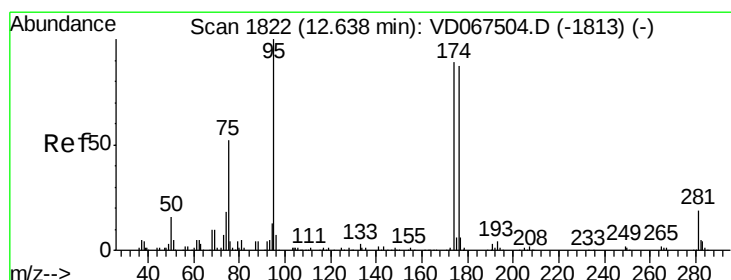
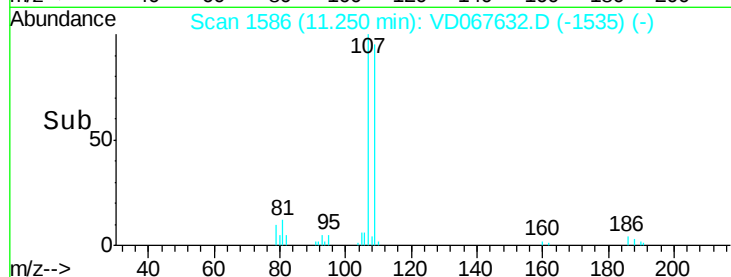
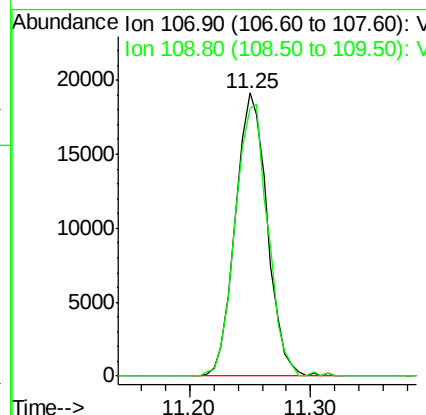
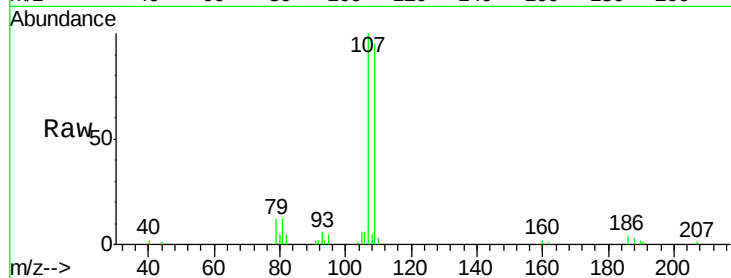
#61  
1,2-Dibromoethane  
Concen: 19.772 ug/l  
RT: 11.25 min Scan# 1586  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

Tot Ion: 107 Resp: 35221  
Ion Ratio Lower Upper  
107 100  
109 98.0 74.6 111.8

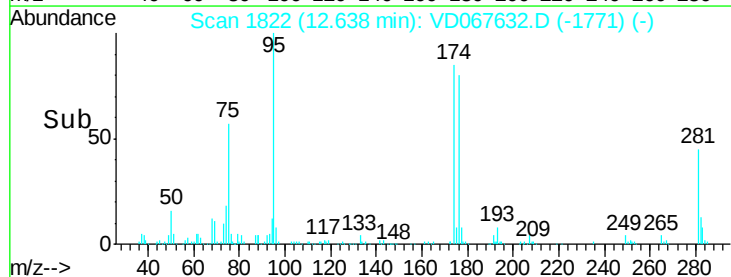
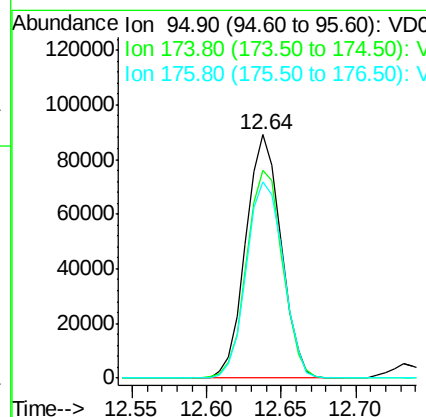
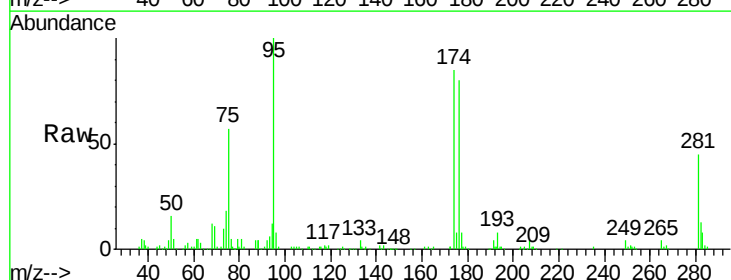
Manual Integrations  
APPROVED

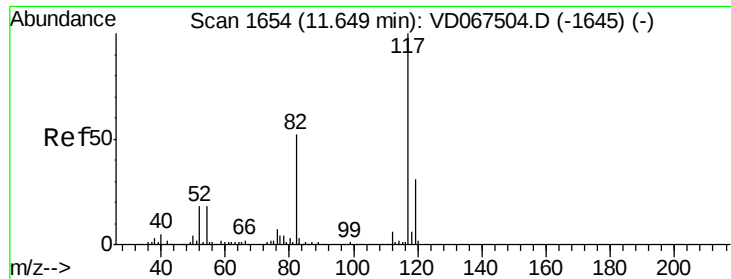
MMDadoda  
11/17/2020 6:57:54 PM



#62  
4-Bromofluorobenzene  
Concen: 47.408 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Tgt Ion: 95 Resp: 145847  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 177.8  
176 83.7 0.0 172.0





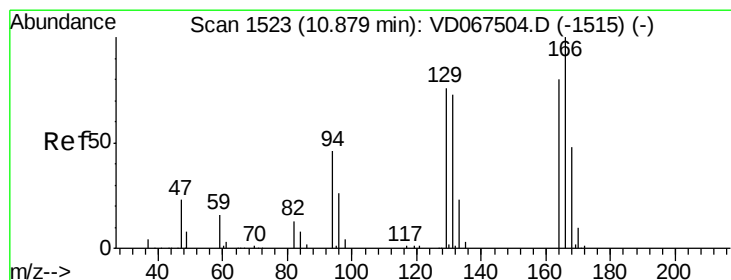
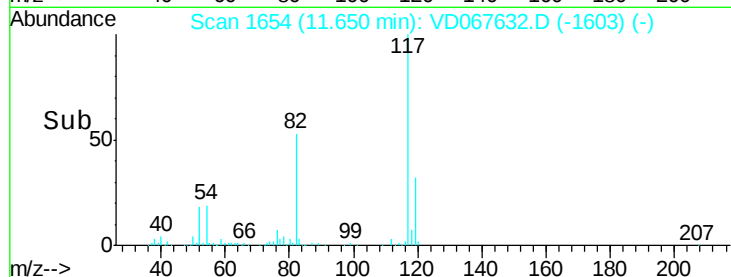
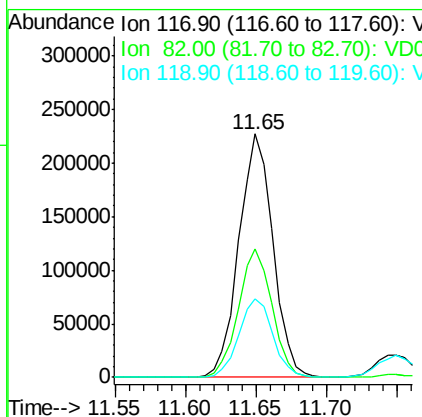
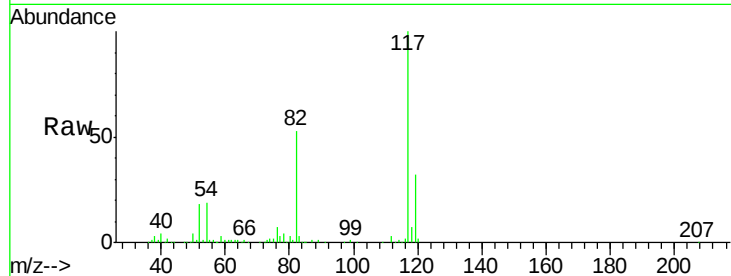
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 384514 |       |       |
| 82      | 52.7  |        | 41.6  | 62.4  |
| 119     | 32.2  |        | 25.1  | 37.7  |

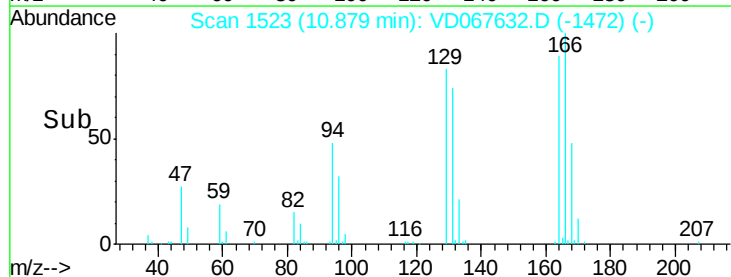
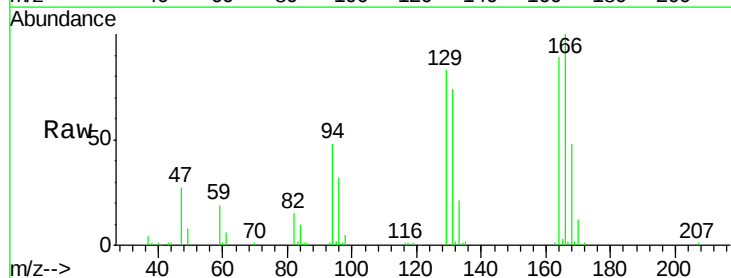
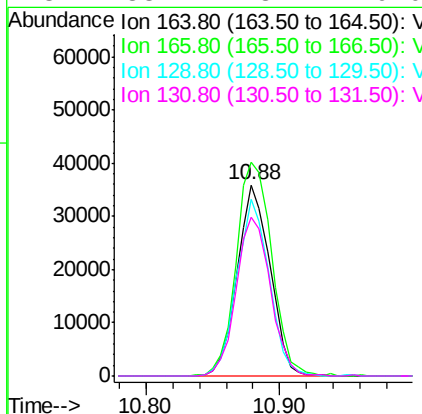
Manual Integrations  
APPROVED

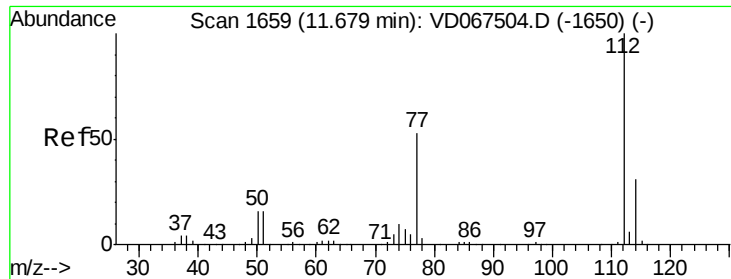
MMDadoda  
11/17/2020 6:57:54 PM



#64  
Tetrachloroethene  
Concen: 21.501 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 61227 |       |       |
| 166     | 111.8 |       | 99.9  | 149.9 |
| 129     | 92.5  |       | 75.5  | 113.3 |
| 131     | 83.2  |       | 73.4  | 110.0 |





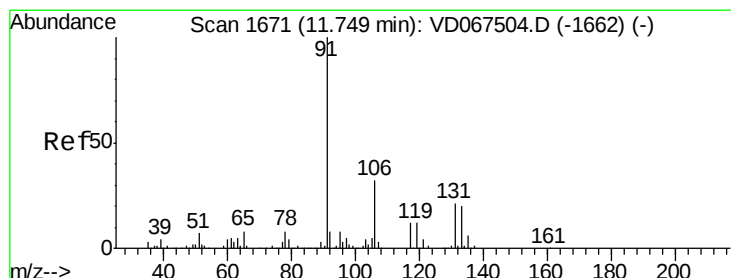
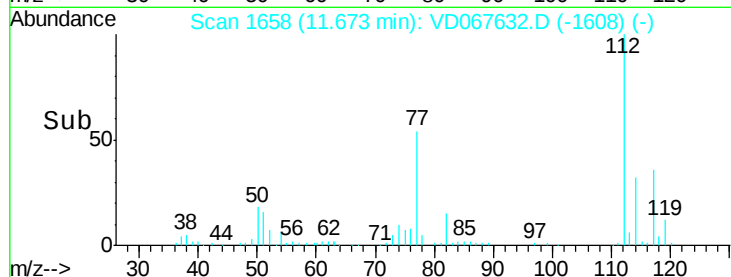
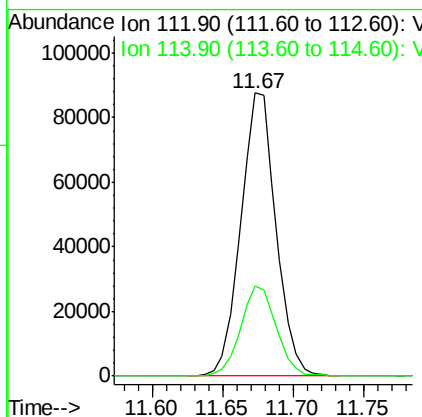
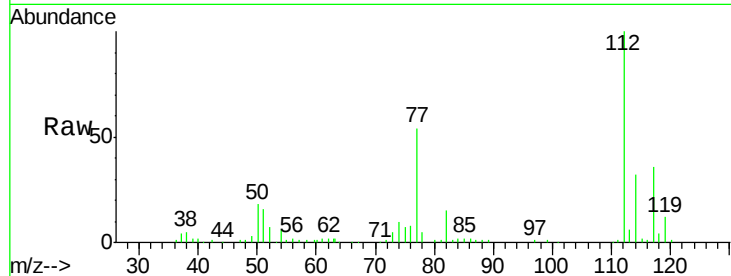
#65  
Chlorobenzene  
Concen: 20.631 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.6  | 24.9  | 37.3  |

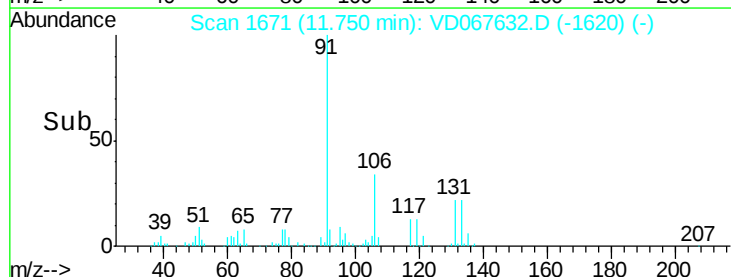
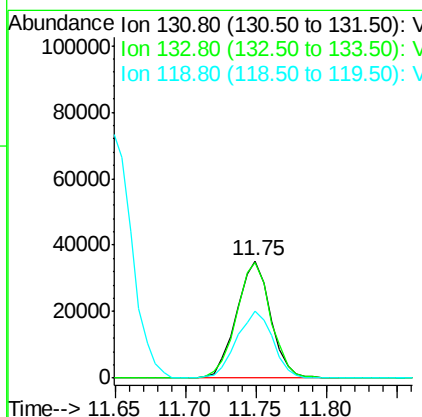
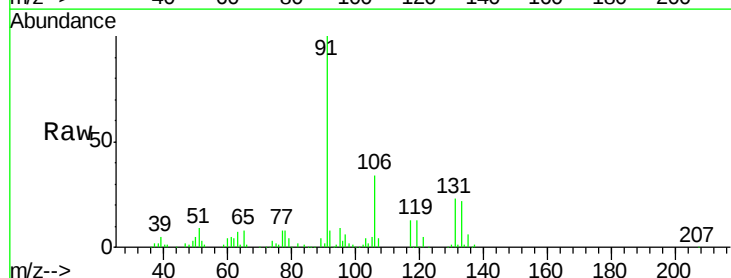
Manual Integrations  
APPROVED

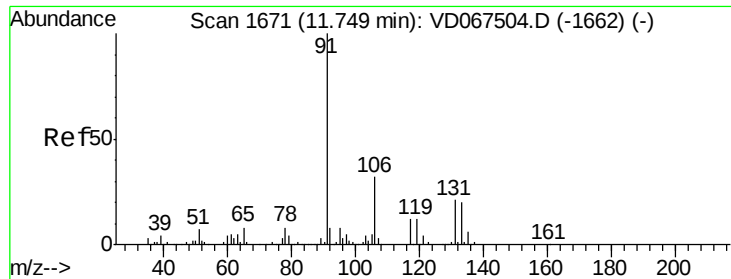
MMDadoda  
11/17/2020 6:57:54 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.400 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 99.5  | 48.0  | 144.0 |
| 119     | 61.1  | 30.1  | 90.5  |





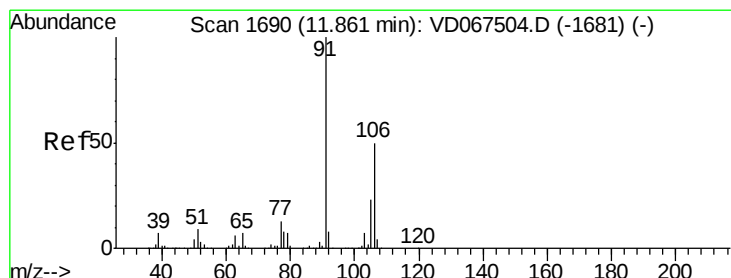
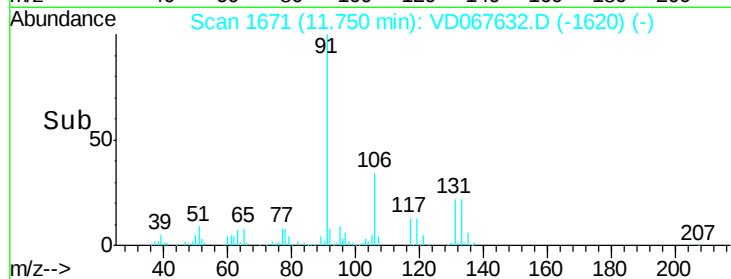
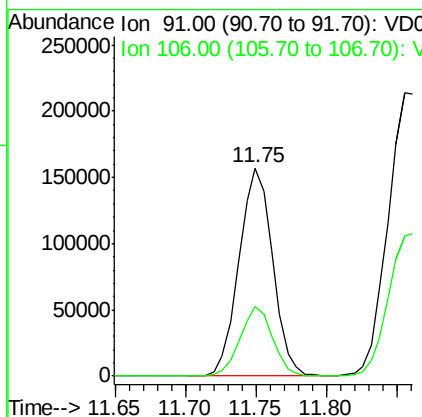
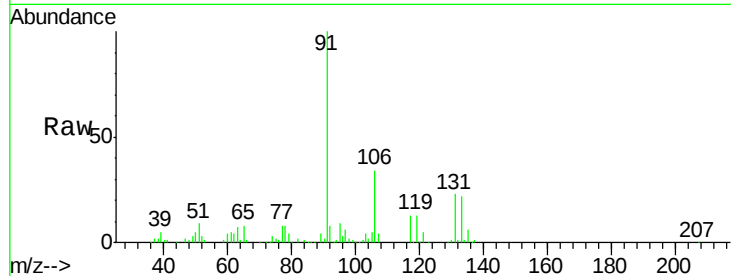
#67  
Ethyl Benzene  
Concen: 20.723 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 33.8  | 25.7  | 38.5  |

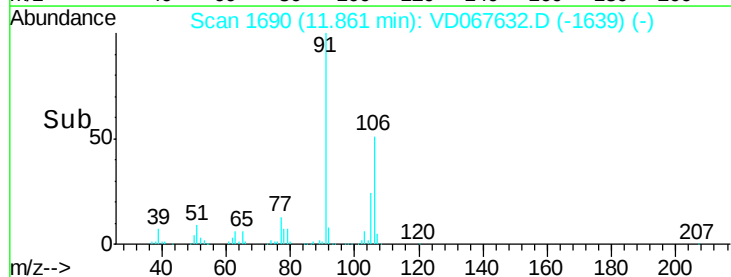
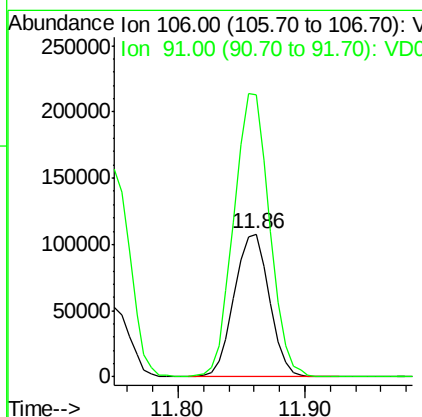
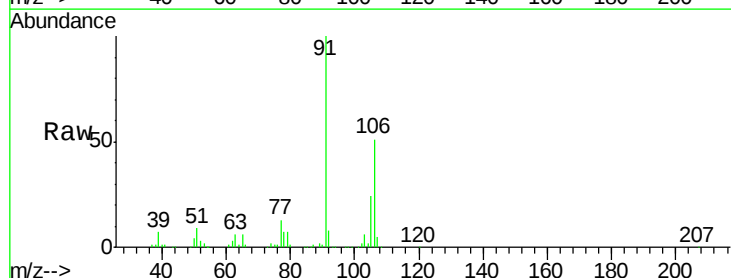
Manual Integrations  
APPROVED

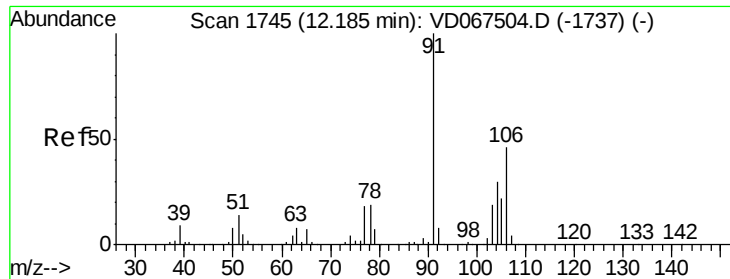
MMDadoda  
11/17/2020 6:57:54 PM



#68  
m/p-Xylenes  
Concen: 42.028 ug/l  
RT: 11.86 min Scan# 1690  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 201.9 | 162.6 | 244.0 |





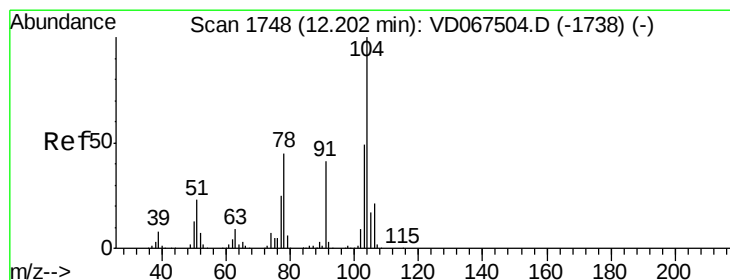
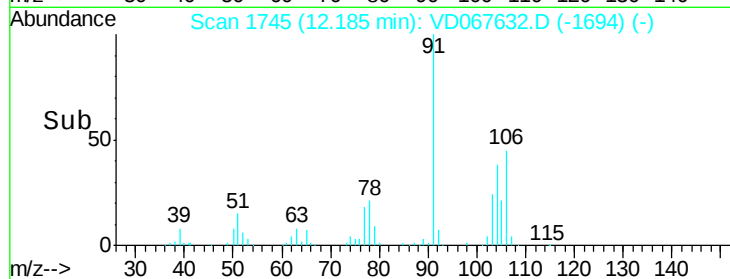
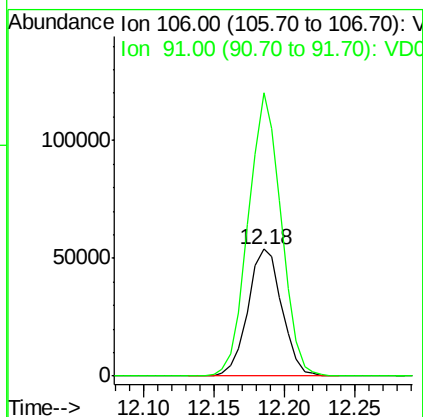
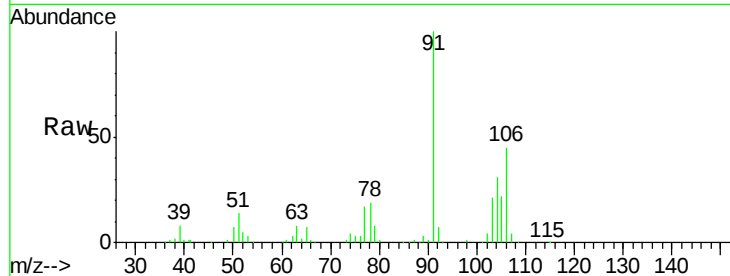
#69  
o-Xylene  
Concen: 20.697 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

Tot Ion:106 Resp: 91118  
Ion Ratio Lower Upper  
106 100  
91 215.5 107.1 321.1

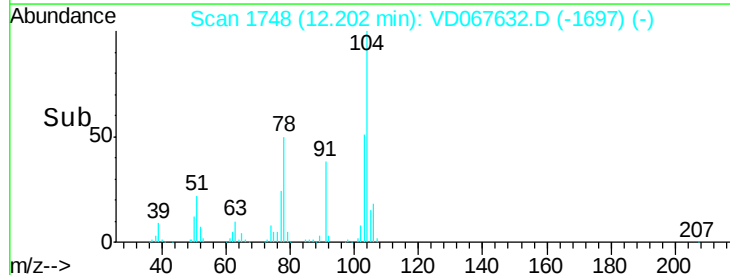
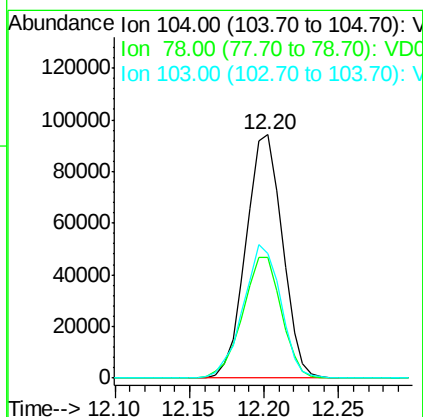
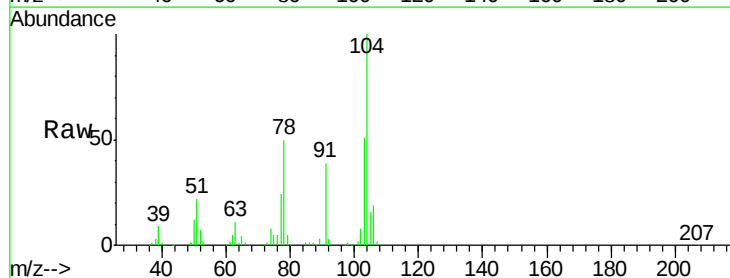
Manual Integrations  
APPROVED

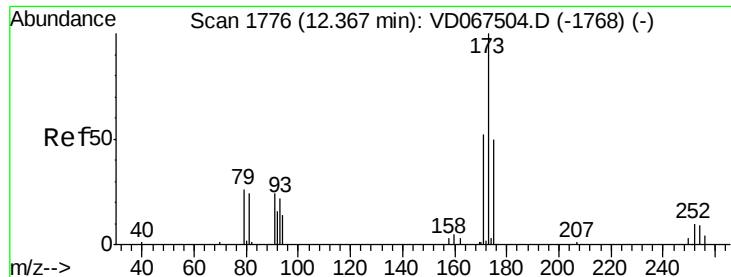
MMDadoda  
11/17/2020 6:57:54 PM



#70  
Styrene  
Concen: 20.800 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Tgt Ion:104 Resp: 159565  
Ion Ratio Lower Upper  
104 100  
78 52.9 39.8 59.8  
103 56.5 43.9 65.9





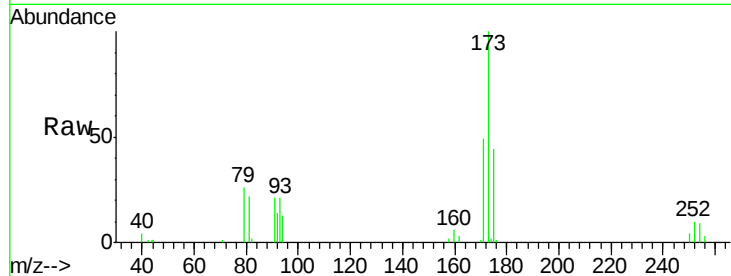
#71  
Bromoform  
Concen: 21.041 ug/l  
RT: 12.37 min Scan# 1776  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

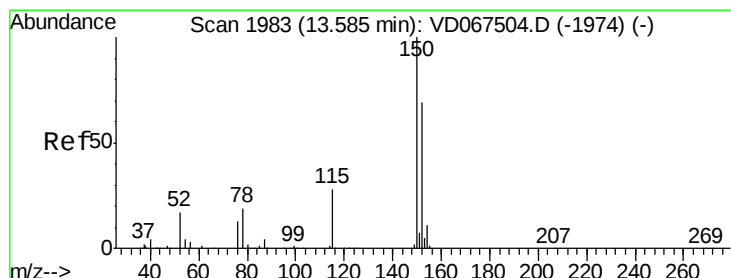
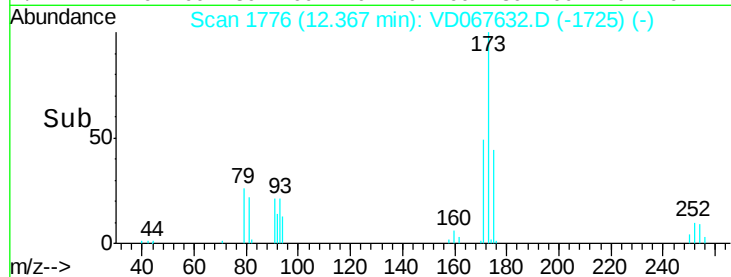
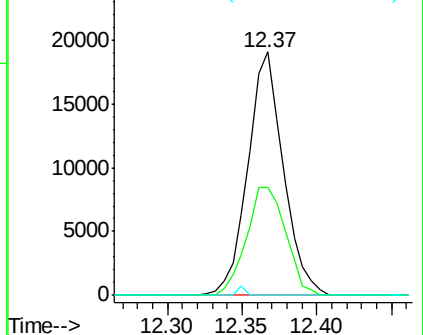
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.2  | 24.1  | 72.2  |
| 254     | 0.8   | 0.0   | 0.0#  |

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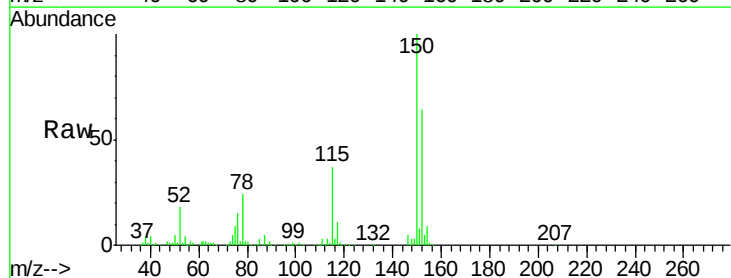


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

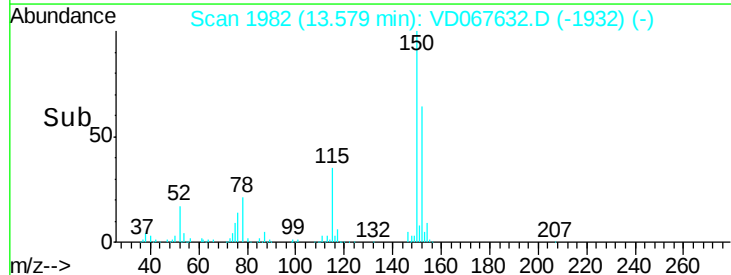
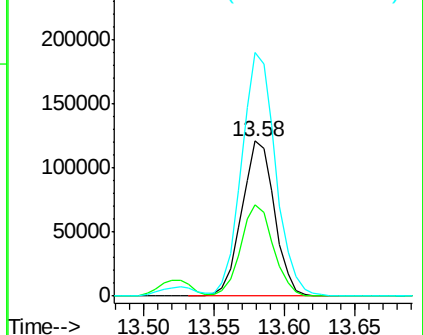


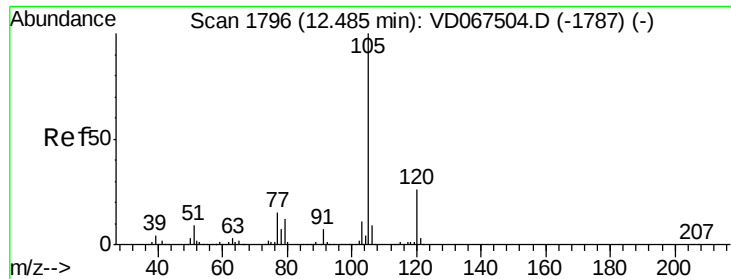
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.0  | 29.3  | 88.0  |
| 150     | 163.9 | 0.0   | 338.2 |



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: 20.933 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion: 105 Resp: 264913

Ion Ratio Lower Upper

105 100

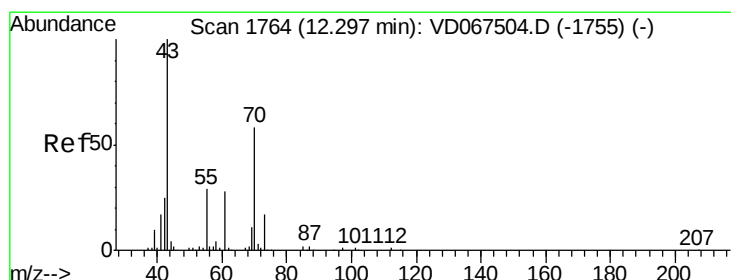
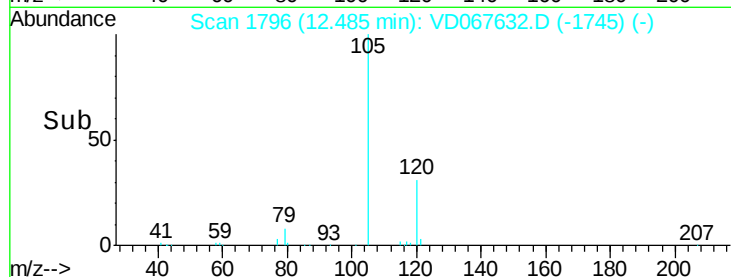
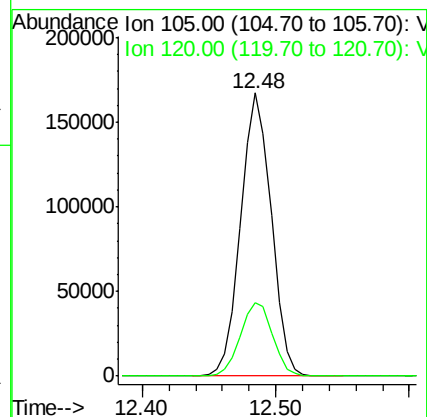
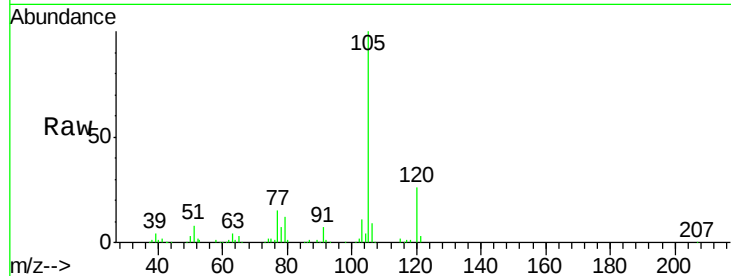
120 27.3 13.2 39.6

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#74

N-ethyl acetate

Concen: 19.543 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Tgt Ion: 43 Resp: 32544

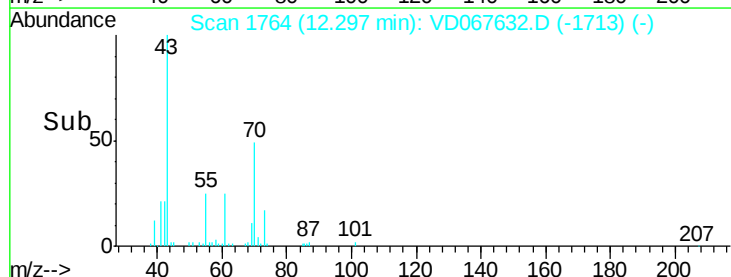
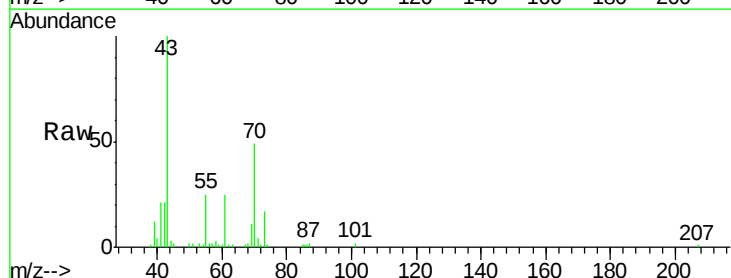
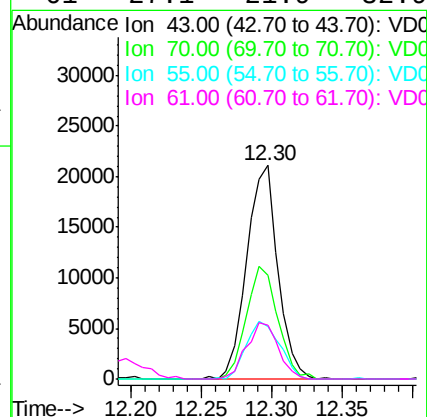
Ion Ratio Lower Upper

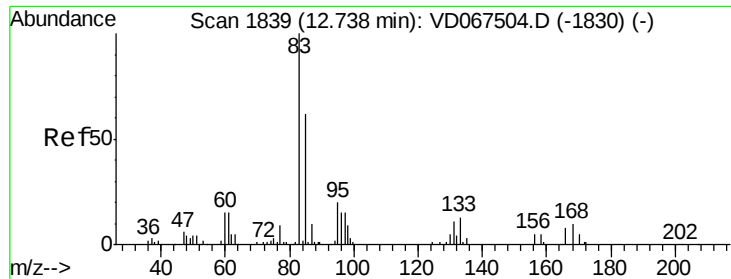
43 100

70 53.6 42.6 64.0

55 29.4 23.7 35.5

61 27.1 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.927 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

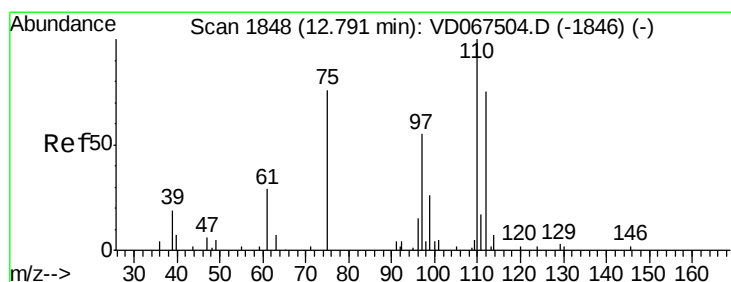
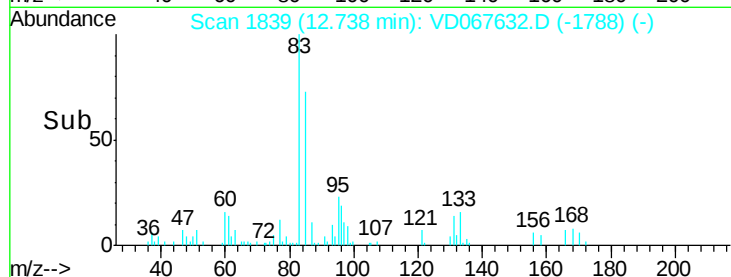
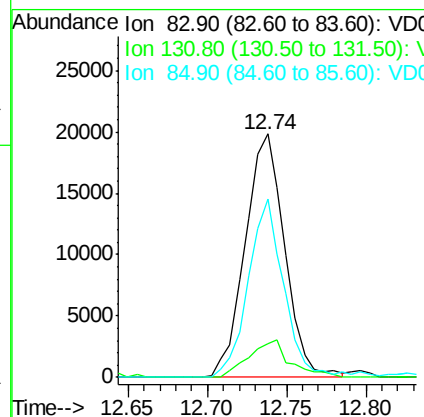
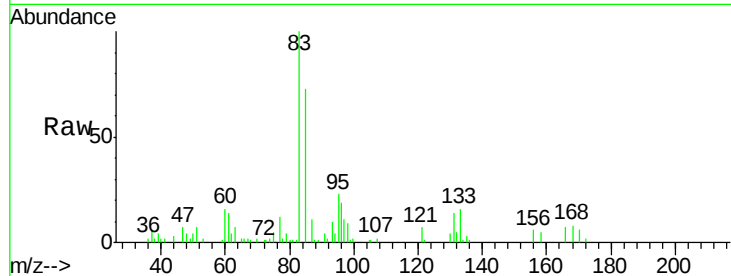
ClientSampleId :

VD1116SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 34387 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 15.8  | 7.1   | 21.3  |
| 85        | 64.9  | 32.9  | 98.7  |

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#76

1,2,3-Trichloropropane

Concen: 18.476 ug/l m

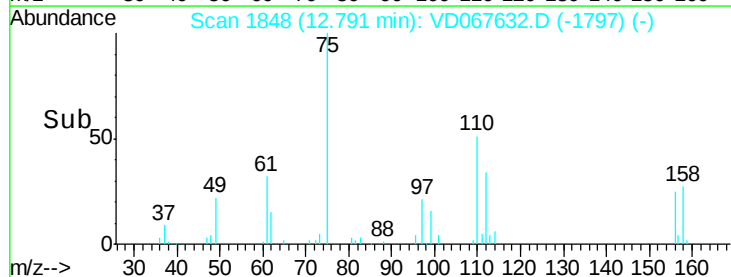
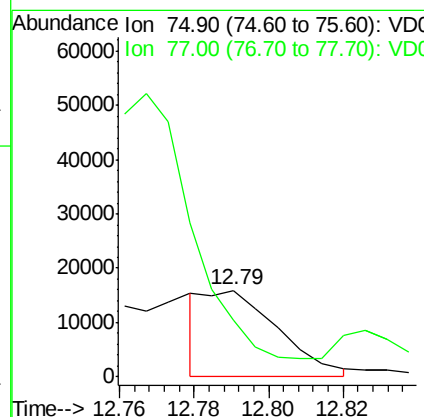
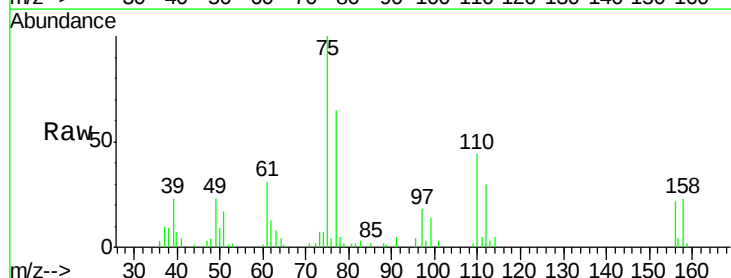
RT: 12.79 min Scan# 1848

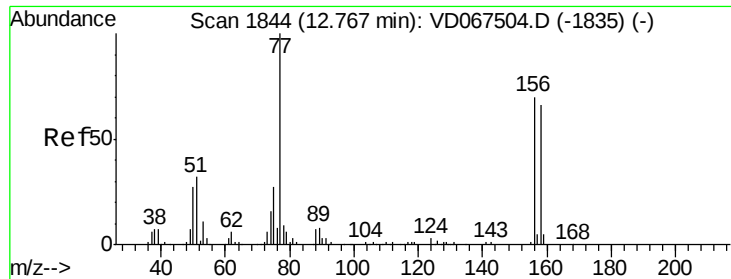
Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 21825 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 21.330 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion:156 Resp: 66293

Ion Ratio Lower Upper

156 100

77 148.4 77.8 233.5

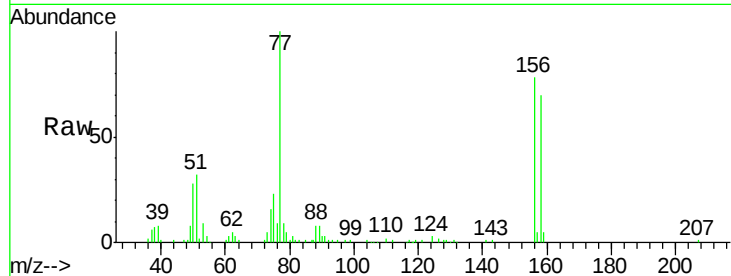
158 92.7 47.9 143.7

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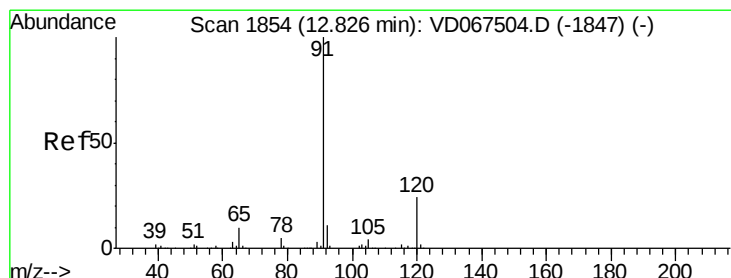
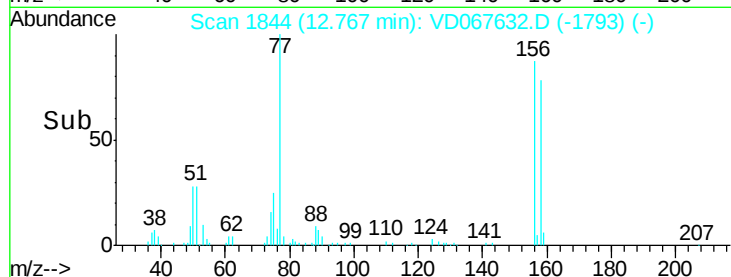
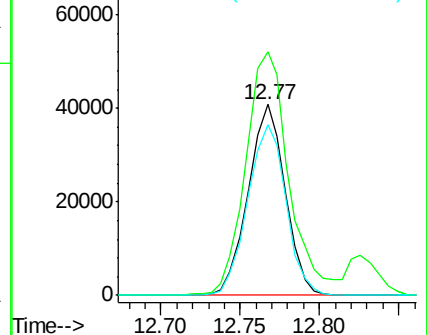
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.221 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067632.D

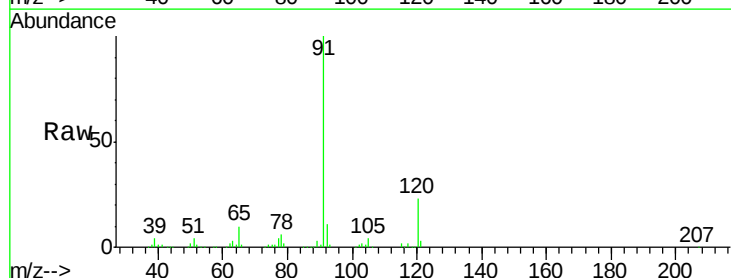
Acq: 16 Nov 2020 11:18

Tgt Ion: 91 Resp: 307187

Ion Ratio Lower Upper

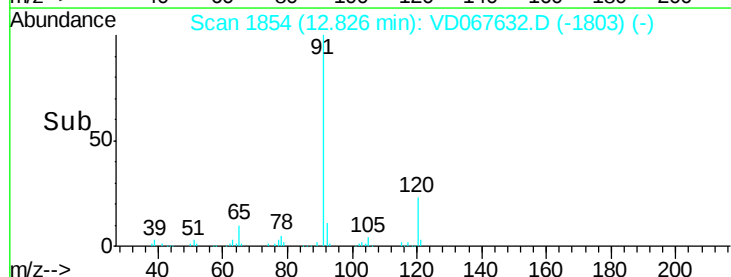
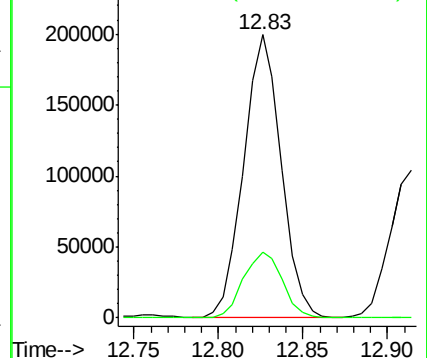
91 100

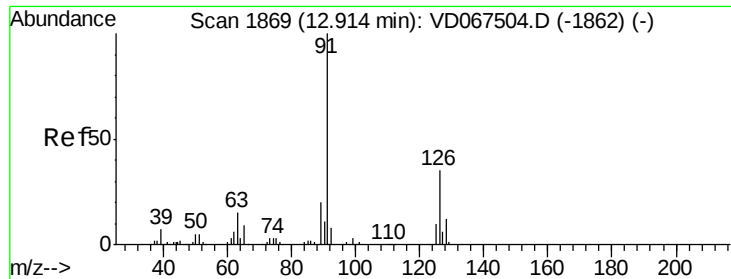
120 24.0 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.825 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion: 91 Resp: 171239

Ion Ratio Lower Upper

91 100

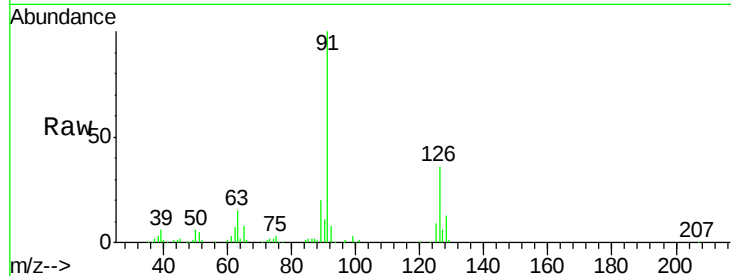
126 36.5 17.8 53.4

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Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067504.D (-1862) (-)

120000

100000

80000

60000

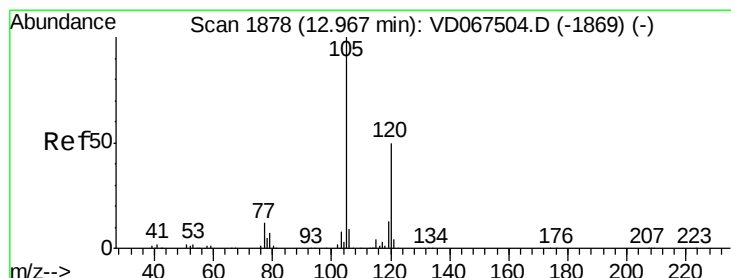
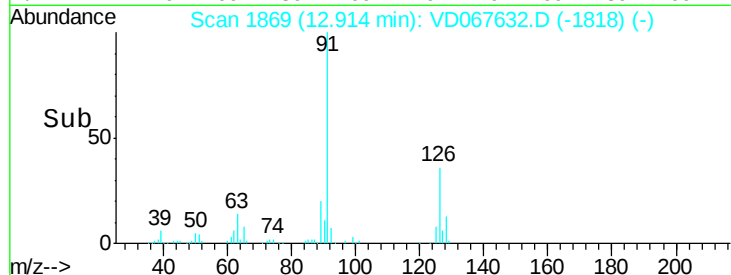
40000

20000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.642 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067632.D

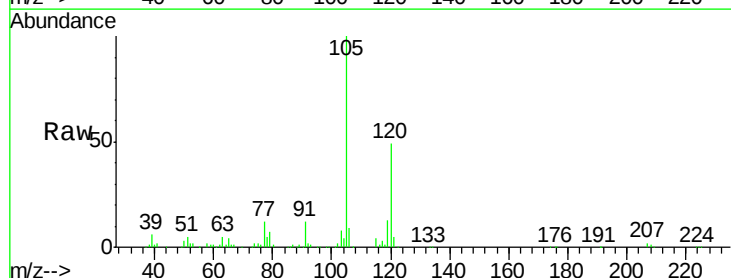
Acq: 16 Nov 2020 11:18

Tgt Ion:105 Resp: 233963

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD067504.D (-1869) (-)

150000

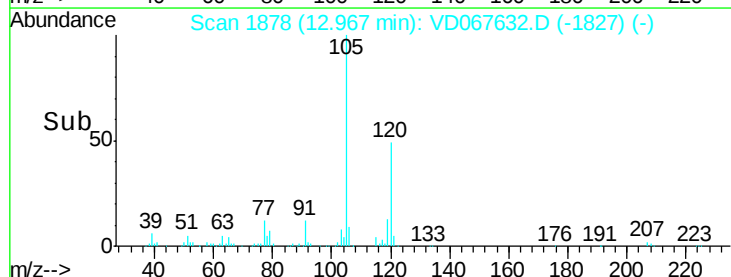
100000

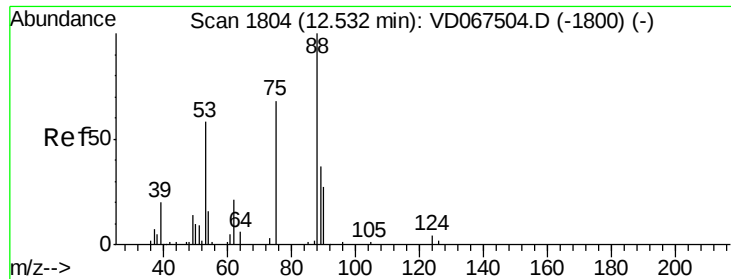
50000

0

12.90 12.97 13.00

Time-->





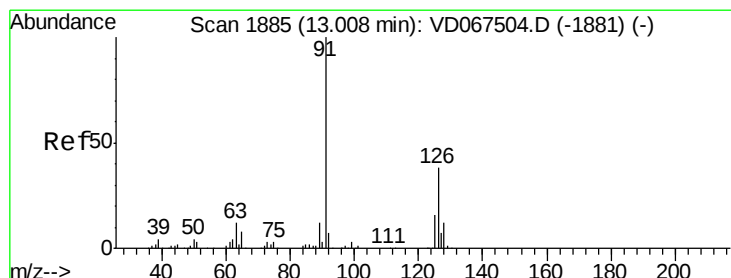
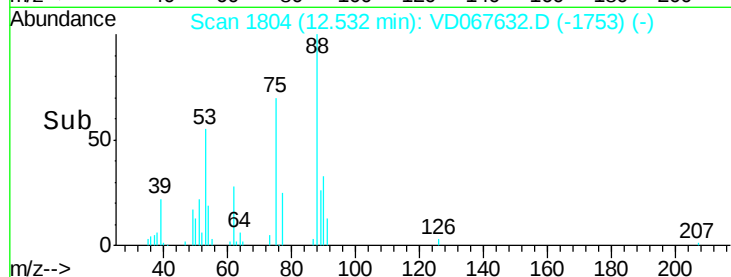
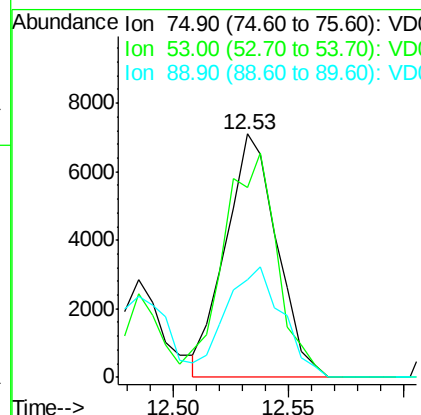
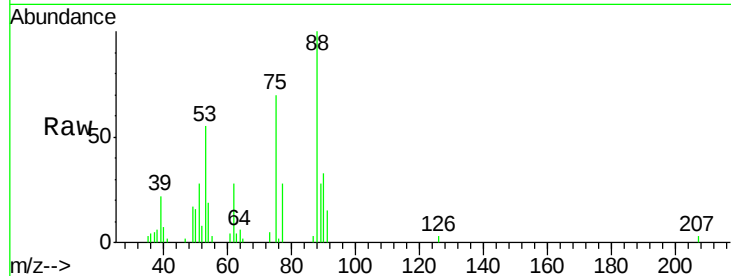
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.853 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 96.3  | 75.9  | 113.9 |
| 89      | 49.9  | 44.6  | 67.0  |

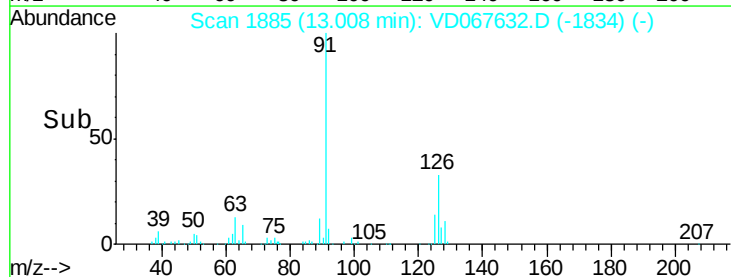
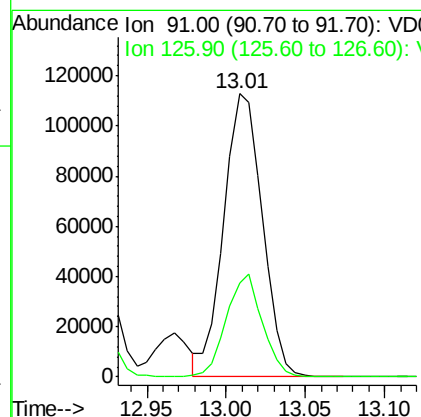
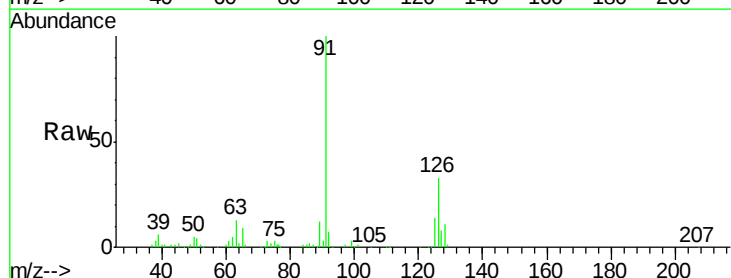
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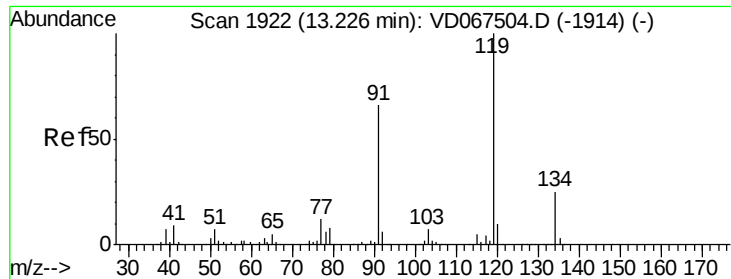
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 21.654 ug/l  
RT: 13.01 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.6  | 17.9  | 53.7  |





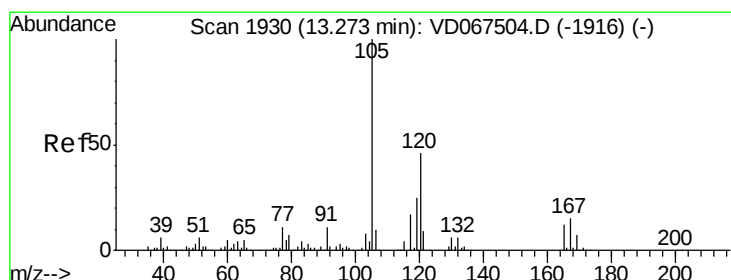
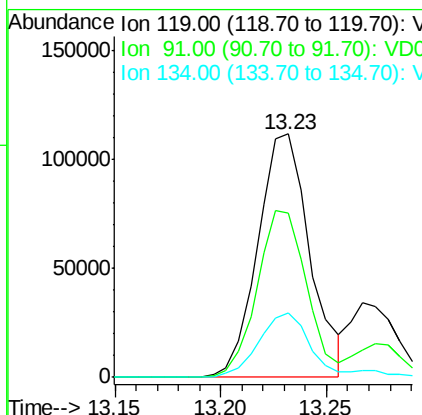
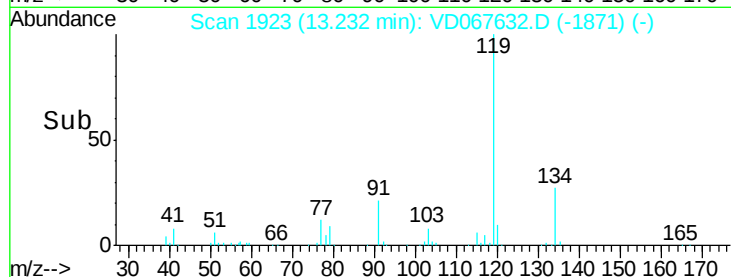
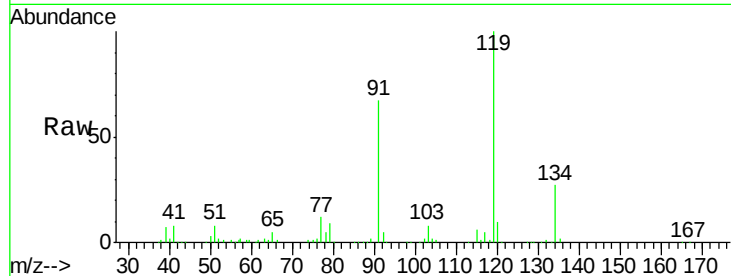
#83  
tert-Butylbenzene  
Concen: 20.929 ug/l  
RT: 13.23 min Scan# 1923  
Delta R.T. 0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 119     | 100  |       | 191760 |       |       |
| 91      | 65.5 | 32.7  | 98.1   |       |       |
| 134     | 25.9 | 13.4  | 40.2   |       |       |

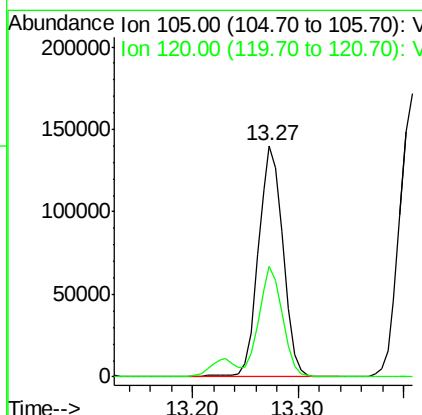
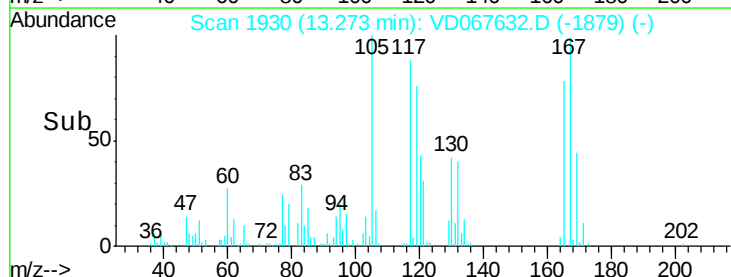
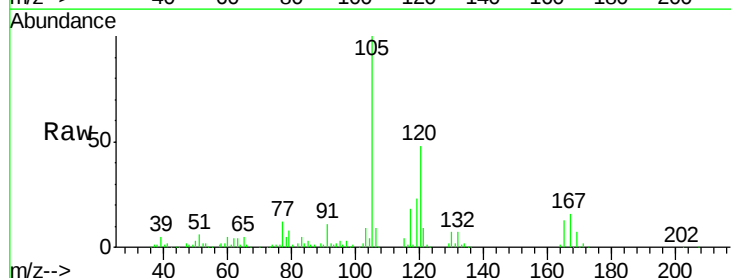
Manual Integrations  
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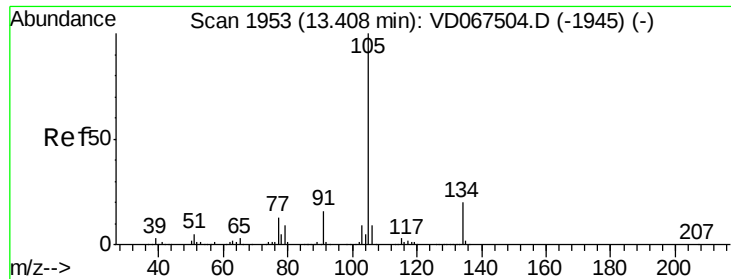
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 21.151 ug/l  
RT: 13.27 min Scan# 1930  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 227610 |       |       |
| 120     | 46.0 | 22.1  | 66.1   |       |       |





#85

sec-Butylbenzene

Concen: 21.458 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA\_D

ClientSampleId :

VD1116SBS01

Tot Ion:105 Resp: 265404

Ion Ratio Lower Upper

105 100

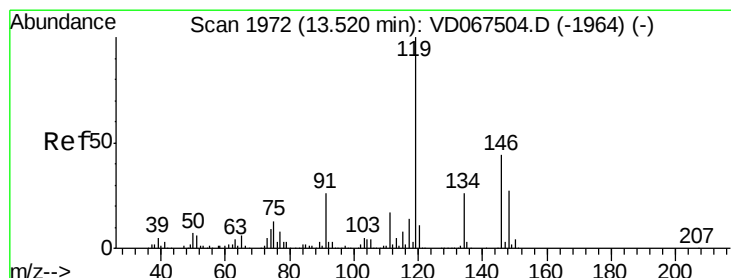
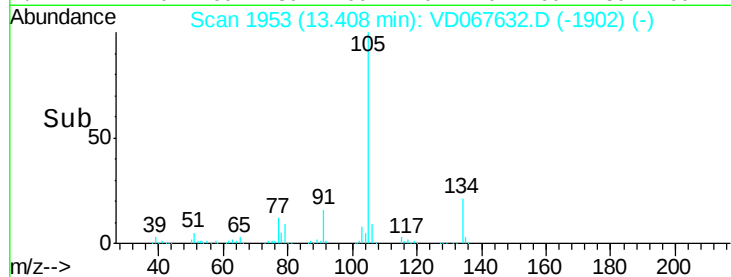
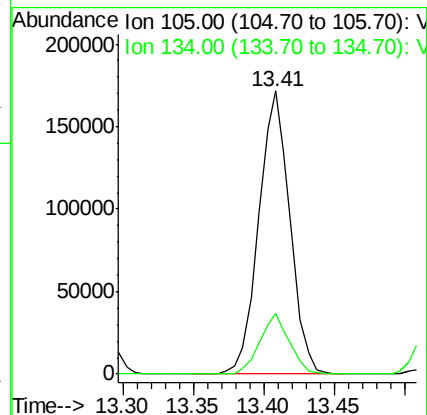
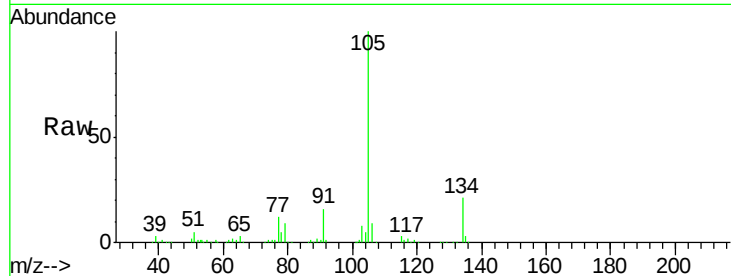
134 20.3 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.324 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

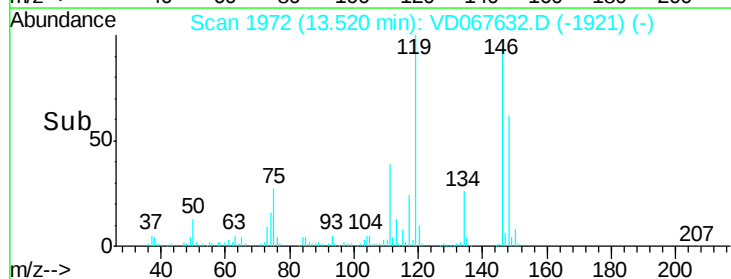
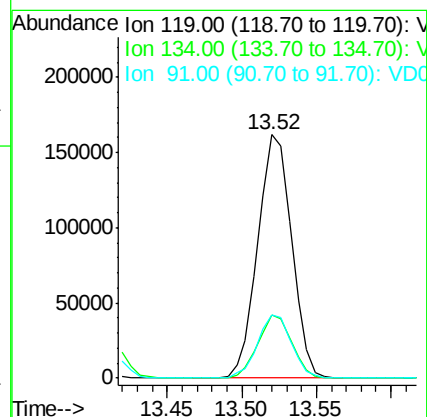
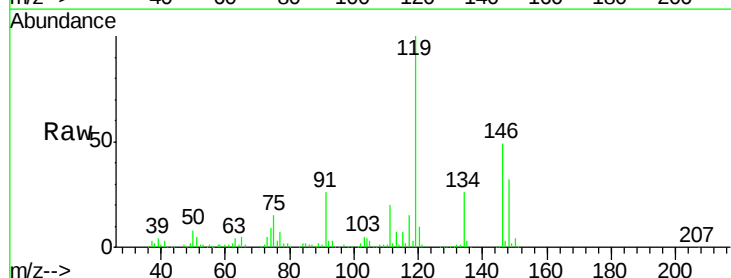
Tgt Ion:119 Resp: 254694

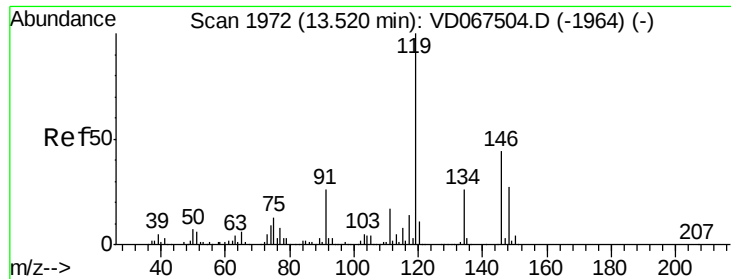
Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 25.8 12.2 36.4





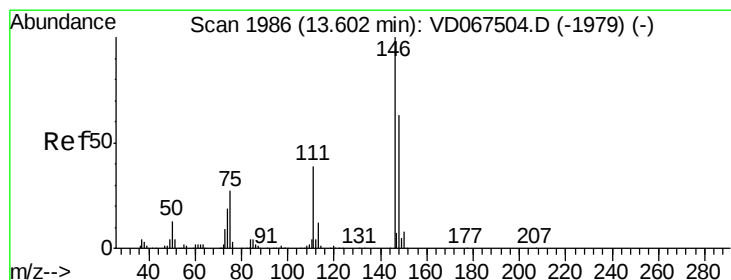
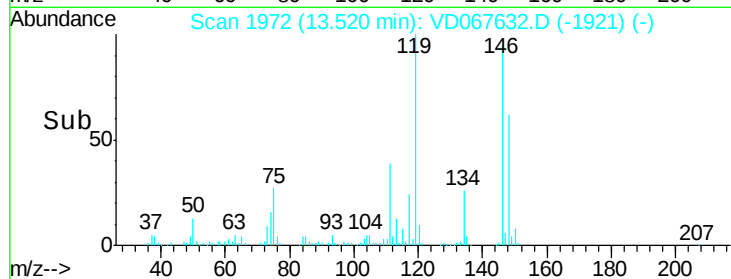
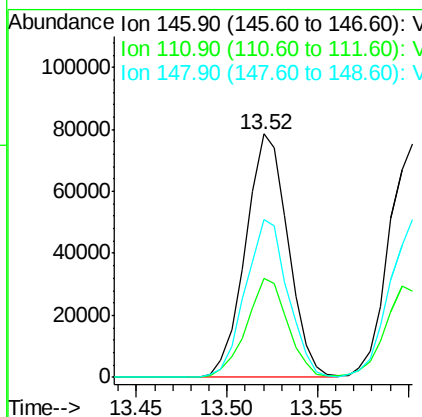
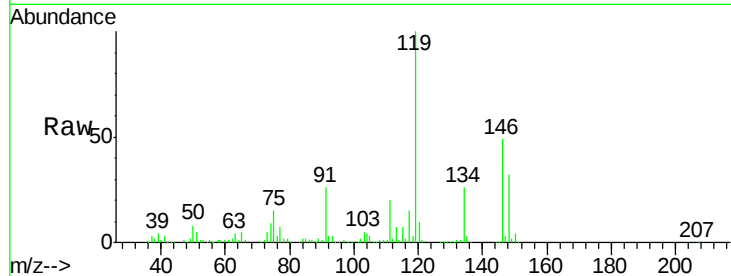
#87  
 1,3-Dichlorobenzene  
 Concen: 21.605 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. 0.00 min  
 Lab File: VD067632.D  
 Acq: 16 Nov 2020 11:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1116SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 128125 |       |       |
| 111     | 39.9  | 20.3   | 60.8  |       |
| 148     | 64.7  | 31.9   | 95.9  |       |

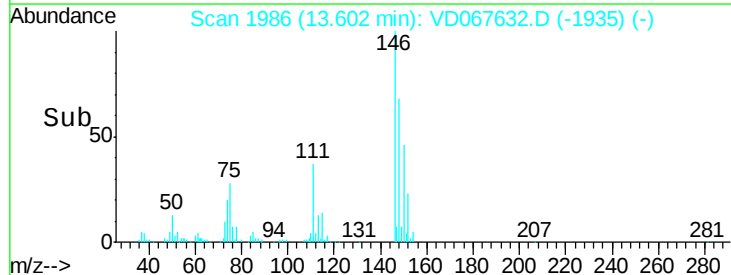
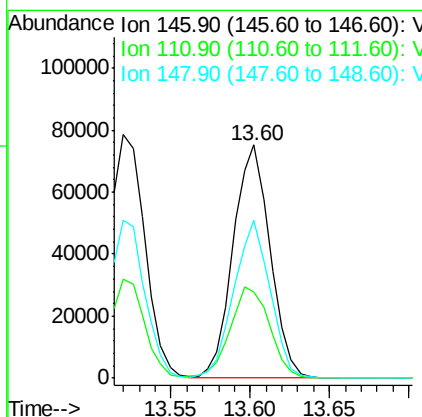
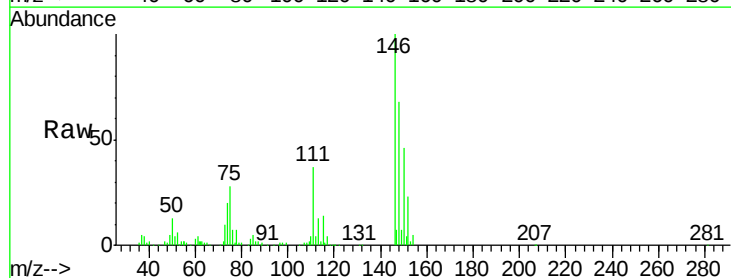
Manual Integrations  
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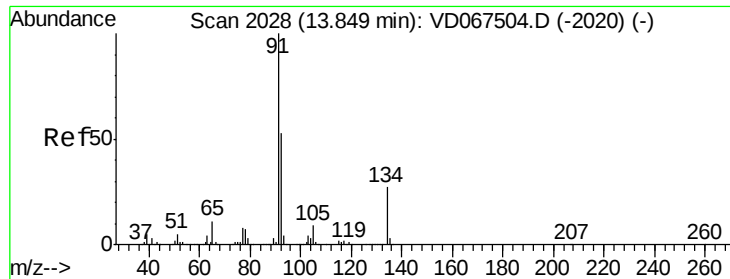
MMDadoda  
 11/17/2020 6:57:54 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.233 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VD067632.D  
 Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 121500 |       |       |
| 111     | 41.7  | 19.6   | 58.7  |       |
| 148     | 66.5  | 31.8   | 95.4  |       |





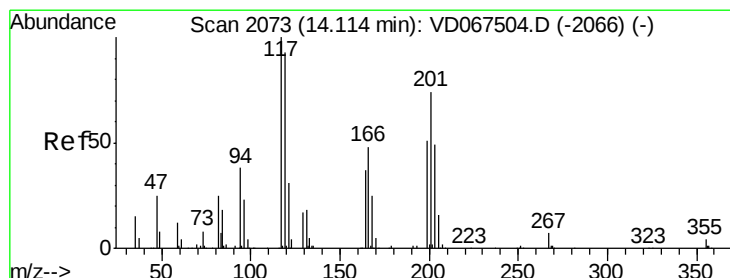
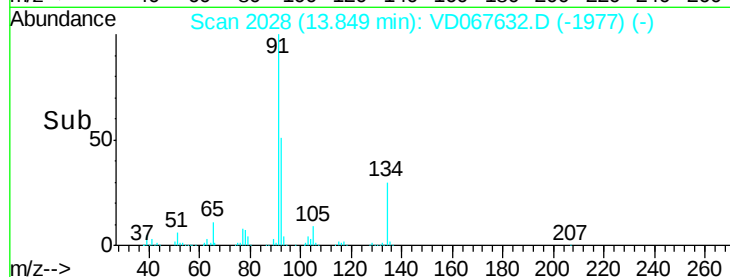
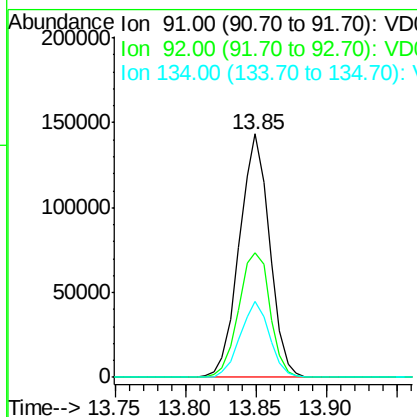
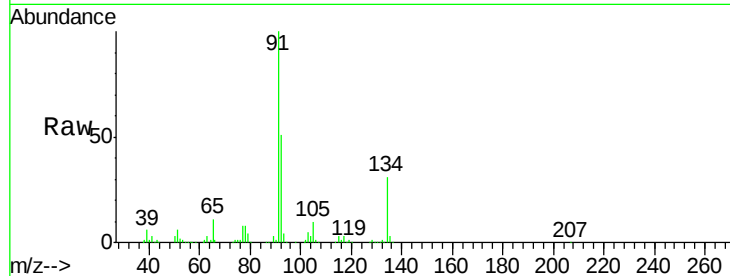
#89  
n-Butylbenzene  
Concen: 20.849 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.2  | 26.6  | 79.8  |
| 134     | 30.1  | 14.1  | 42.2  |

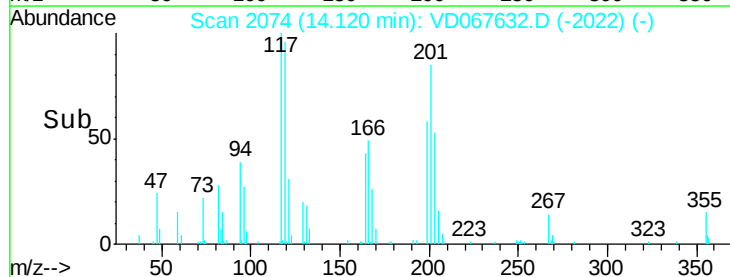
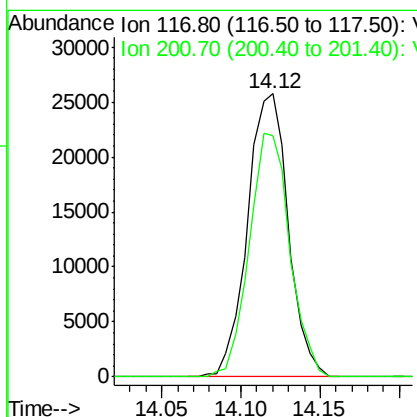
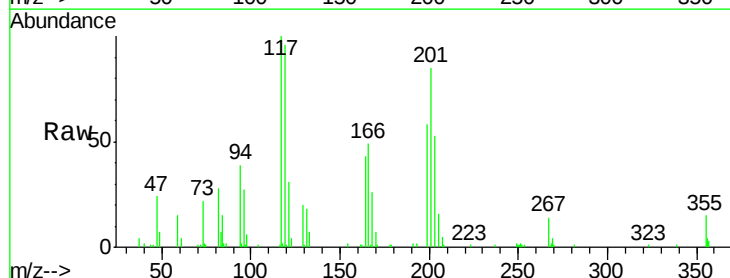
Manual Integrations  
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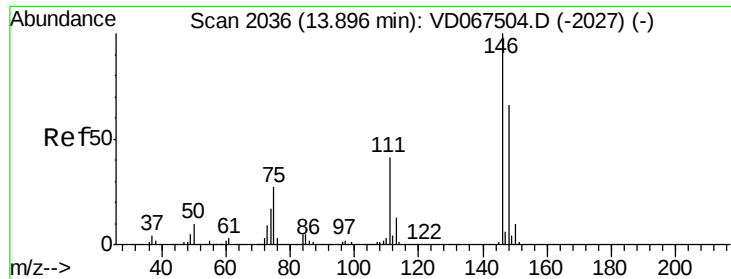
MMDadoda  
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#90  
Hexachloroethane  
Concen: 20.494 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.01 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 85.1  | 40.7  | 122.1 |





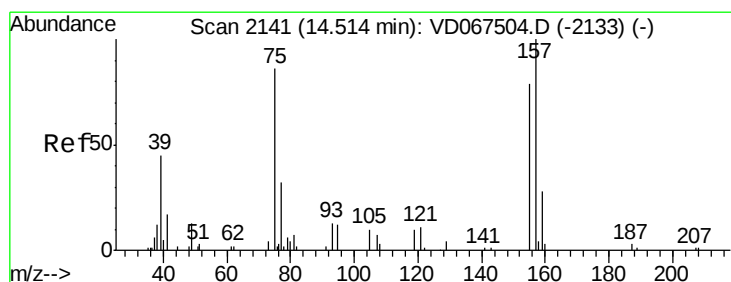
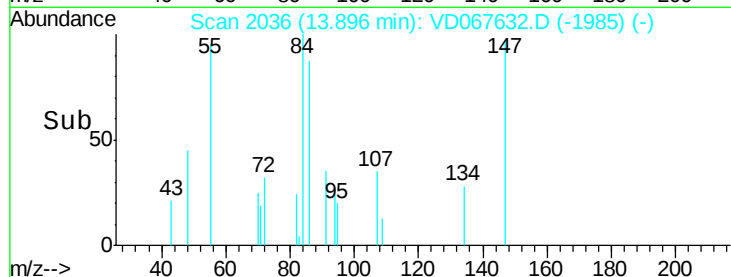
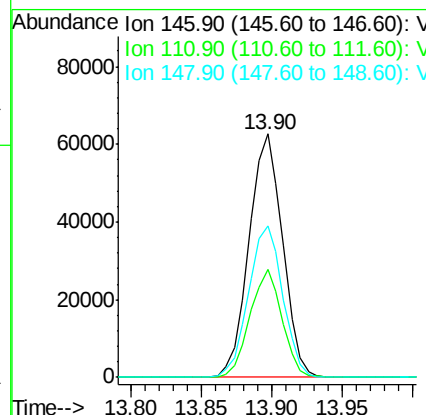
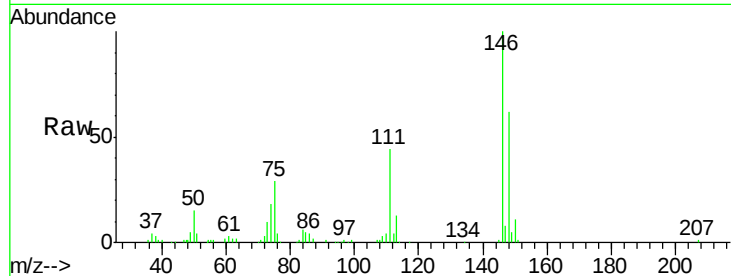
#91  
 1,2-Dichlorobenzene  
 Concen: 20.385 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: VD067632.D  
 Acq: 16 Nov 2020 11:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.4  | 20.7  | 62.1  |
| 148     | 63.4  | 31.5  | 94.5  |

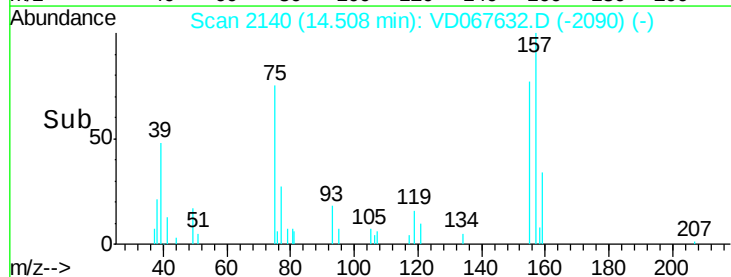
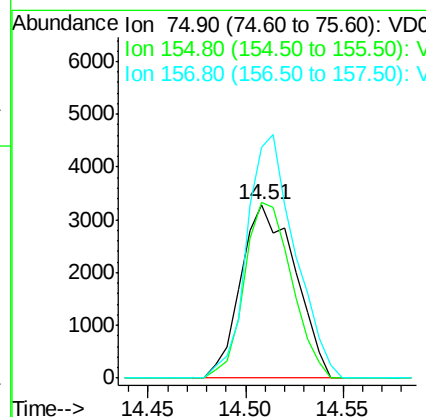
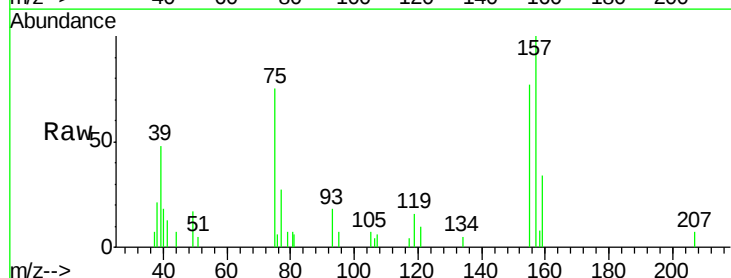
Manual Integrations  
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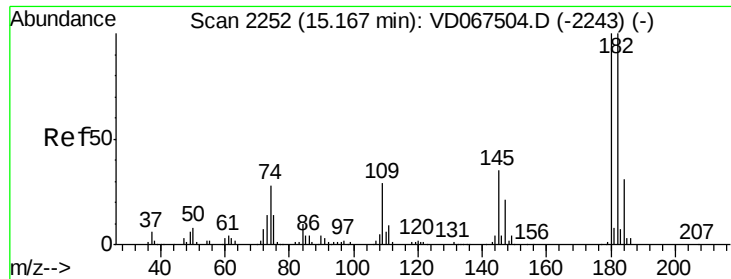
MMDadoda  
 11/17/2020 6:57:54 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.714 ug/l  
 RT: 14.51 min Scan# 2140  
 Delta R.T. -0.01 min  
 Lab File: VD067632.D  
 Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 88.2  | 46.6  | 139.8 |
| 157     | 123.9 | 58.1  | 174.2 |





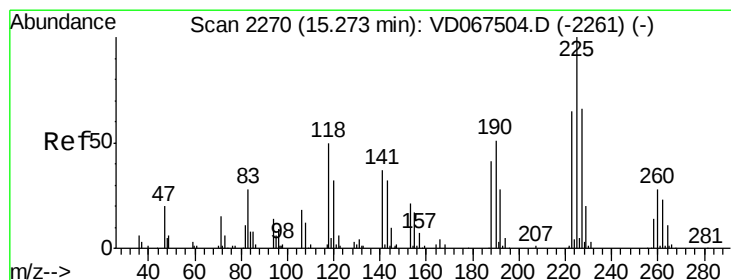
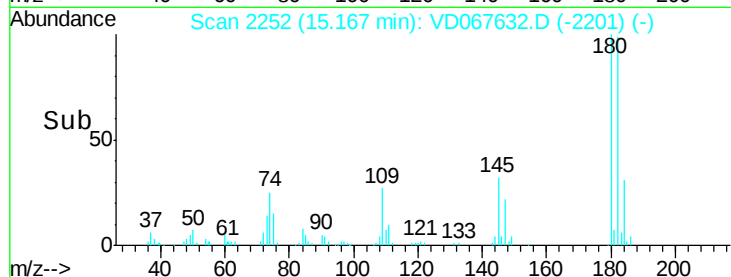
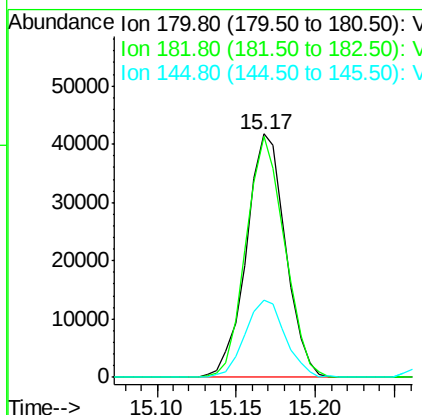
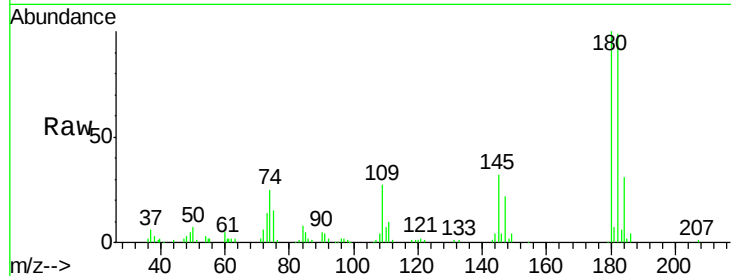
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.575 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. 0.00 min  
 Lab File: VD067632.D  
 Acq: 16 Nov 2020 11:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1116SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.7  | 47.4  | 142.3 |
| 145     | 32.7  | 16.2  | 48.6  |

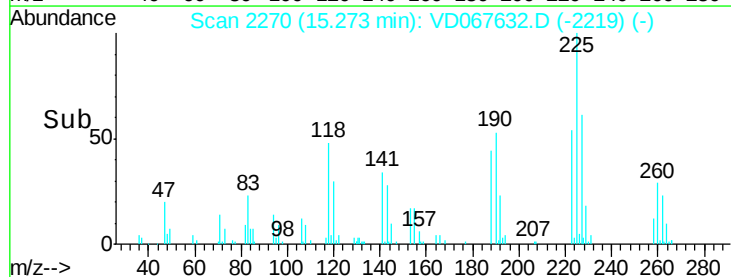
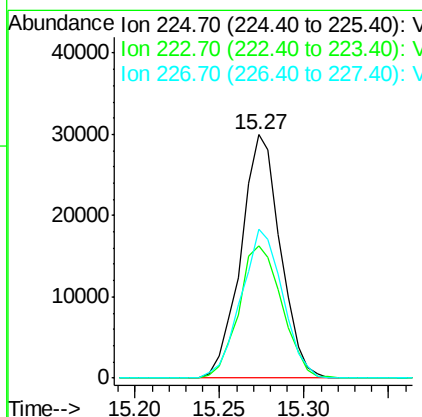
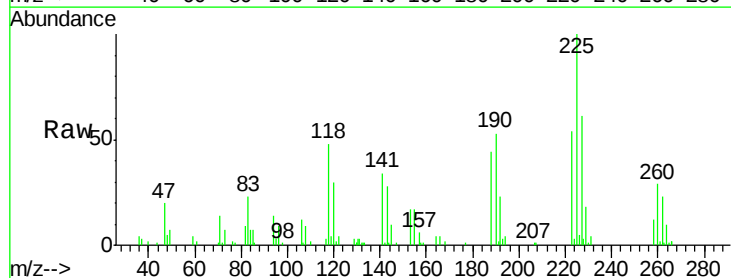
Manual Integrations  
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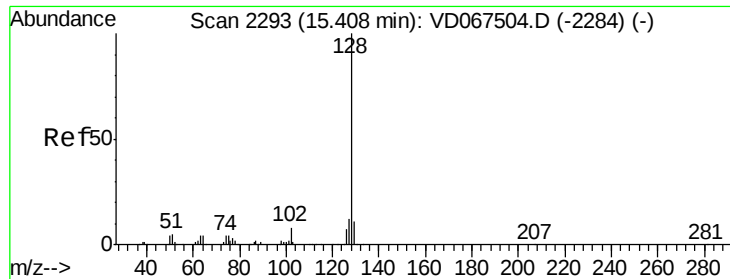
MMDadoda  
 11/17/2020 6:57:54 PM



#94  
 Hexachlorobutadiene  
 Concen: 20.910 ug/l  
 RT: 15.27 min Scan# 2270  
 Delta R.T. 0.00 min  
 Lab File: VD067632.D  
 Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 59.3  | 31.9  | 95.5  |
| 227     | 64.3  | 32.5  | 97.4  |





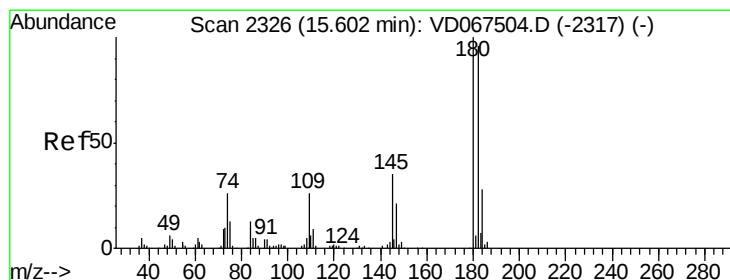
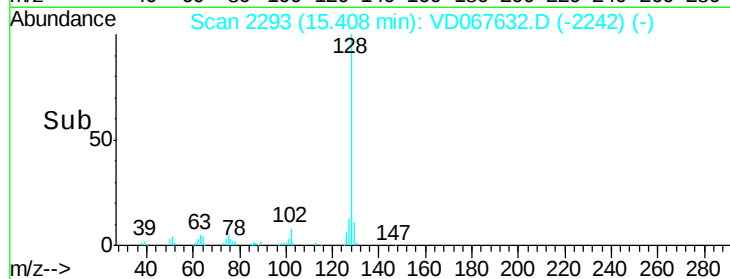
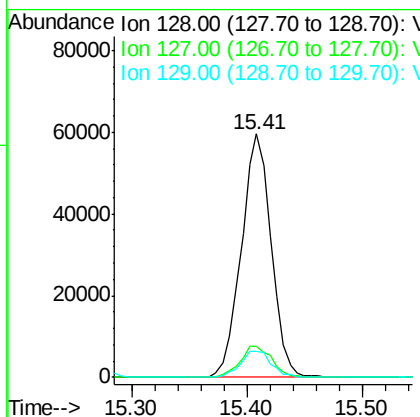
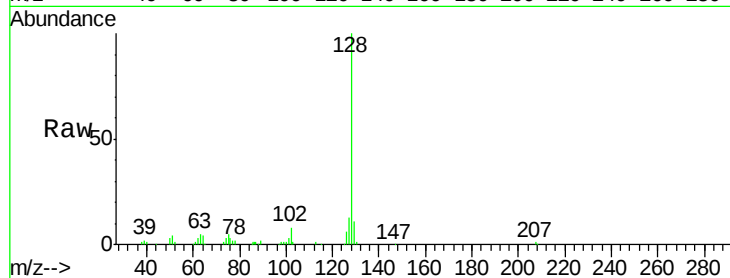
#95  
Naphthalene  
Concen: 19.873 ug/l  
RT: 15.41 min Scan# 2293  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1116SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 127     | 13.8  | 10.2 | 15.4  |       |
| 129     | 11.2  | 8.9  | 13.3  |       |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 20.445 ug/l  
RT: 15.60 min Scan# 2326  
Delta R.T. 0.00 min  
Lab File: VD067632.D  
Acq: 16 Nov 2020 11:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 94.9  | 46.9 | 140.8 |       |
| 145     | 33.7  | 17.1 | 51.2  |       |

