

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\  
 Data File : VD066741.D  
 Acq On : 17 Sep 2020 13:42  
 Operator : VA/SY  
 Sample : L4033-19  
 Misc : 7.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 51-53

Quant Time: Sep 18 01:14:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D091520S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 15 16:35:37 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 425518   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 739654   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 665145   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 221787   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 235902   | 51.96 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.92% |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 233590   | 51.51 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.02% |      |
| 50) Toluene-d8            | 10.34  | 98  | 905878   | 56.07 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 112.14% |      |
| 62) 4-Bromofluorobenzene  | 12.63  | 95  | 269960   | 48.41 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.82%  |      |

## Target Compounds

|                            |       |     |         |           | Qvalue |     |
|----------------------------|-------|-----|---------|-----------|--------|-----|
| 2) Dichlorodifluoromethane | 1.99  | 85  | 316     | Below Cal |        | 88  |
| 11) Tert butyl alcohol     | 5.21  | 59  | 2177    | Below Cal | #      | 76  |
| 13) Acrolein               | 3.93  | 56  | 460     | 1.437     | ug/l # | 16  |
| 15) Acrylonitrile          | 5.49  | 53  | 3076    | 3.350     | ug/l # | 19  |
| 16) Acetone                | 4.16  | 43  | 474399  | 513.127   | ug/l   | 93  |
| 17) Carbon Disulfide       | 4.41  | 76  | 376413  | 28.134    | ug/l   | 96  |
| 18) Methyl Acetate         | 4.73  | 43  | 3285    | Below Cal | #      | 65  |
| 20) Methylene Chloride     | 4.97  | 84  | 30605   | Below Cal |        | 95  |
| 25) 2-Butanone             | 7.21  | 43  | 78009   | 64.799    | ug/l   | 91  |
| 31) Cyclohexane            | 7.98  | 56  | 141141  | 17.600    | ug/l # | 96  |
| 36) 1,1-Dichloropropene    | 7.98  | 75  | 37275   | 4.902     | ug/l # | 49  |
| 37) Ethyl Acetate          | 7.21  | 43  | 78009   | 27.096    | ug/l # | 71  |
| 38) Carbon Tetrachloride   | 7.98  | 117 | 44741   | 5.540     | ug/l # | 17  |
| 39) Methylcyclohexane      | 9.35  | 83  | 173139  | 19.905    | ug/l   | 98  |
| 40) Benzene                | 8.35  | 78  | 4149699 | 201.698   | ug/l   | 100 |
| 42) 1,2-Dichloroethane     | 8.34  | 62  | 36687   | 5.756     | ug/l # | 76  |
| 43) Isopropyl Acetate      | 8.44  | 43  | 9963    | 1.839     | ug/l # | 51  |
| 48) Methyl methacrylate    | 9.41  | 41  | 13660   | 4.956     | ug/l # | 16  |
| 51) 4-Methyl-2-Pentanone   | 10.23 | 43  | 137202  | 49.180    | ug/l   | 97  |
| 52) Toluene                | 10.40 | 92  | 2956979 | 224.356   | ug/l   | 98  |
| 53) t-1,3-Dichloropropene  | 10.40 | 75  | 36247   | 5.328     | ug/l # | 1   |
| 55) 1,1,2-Trichloroethane  | 10.78 | 97  | 10449   | 2.836     | ug/l # | 24  |
| 56) Ethyl methacrylate     | 10.67 | 69  | 5578    | 1.334     | ug/l # | 11  |
| 59) 2-Hexanone             | 10.94 | 43  | 13546   | 7.226     | ug/l # | 26  |
| 67) Ethyl Benzene          | 11.74 | 91  | 551104  | 22.093    | ug/l   | 100 |
| 68) m/p-Xylenes            | 11.85 | 106 | 911623  | 96.697    | ug/l   | 98  |
| 69) o-Xylene               | 12.18 | 106 | 278948  | 33.482    | ug/l   | 99  |
| 70) Styrene                | 12.19 | 104 | 47168   | 3.217     | ug/l # | 2   |
| 73) Isopropylbenzene       | 12.48 | 105 | 26116   | 1.577     | ug/l   | 97  |
| 74) N-amyl acetate         | 12.34 | 43  | 4836    | 1.385     | ug/l # | 1   |
| 76) 1,2,3-Trichloropropane | 12.63 | 75  | 149979  | 79.002    | ug/l # | 100 |
| 78) n-propylbenzene        | 12.82 | 91  | 54860   | 2.718     | ug/l   | 98  |
| 79) 2-Chlorotoluene        | 12.88 | 91  | 27141   | 2.378     | ug/l # | 44  |
| 80) 1,3,5-Trimethylbenzene | 12.96 | 105 | 75774   | 5.413     | ug/l   | 95  |

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MSVOA\_D  
ClientSampleId :  
51-53

Quant Time: Sep 18 01:14:56 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D091520S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 15 16:35:37 2020  
Response via : Initial Calibration

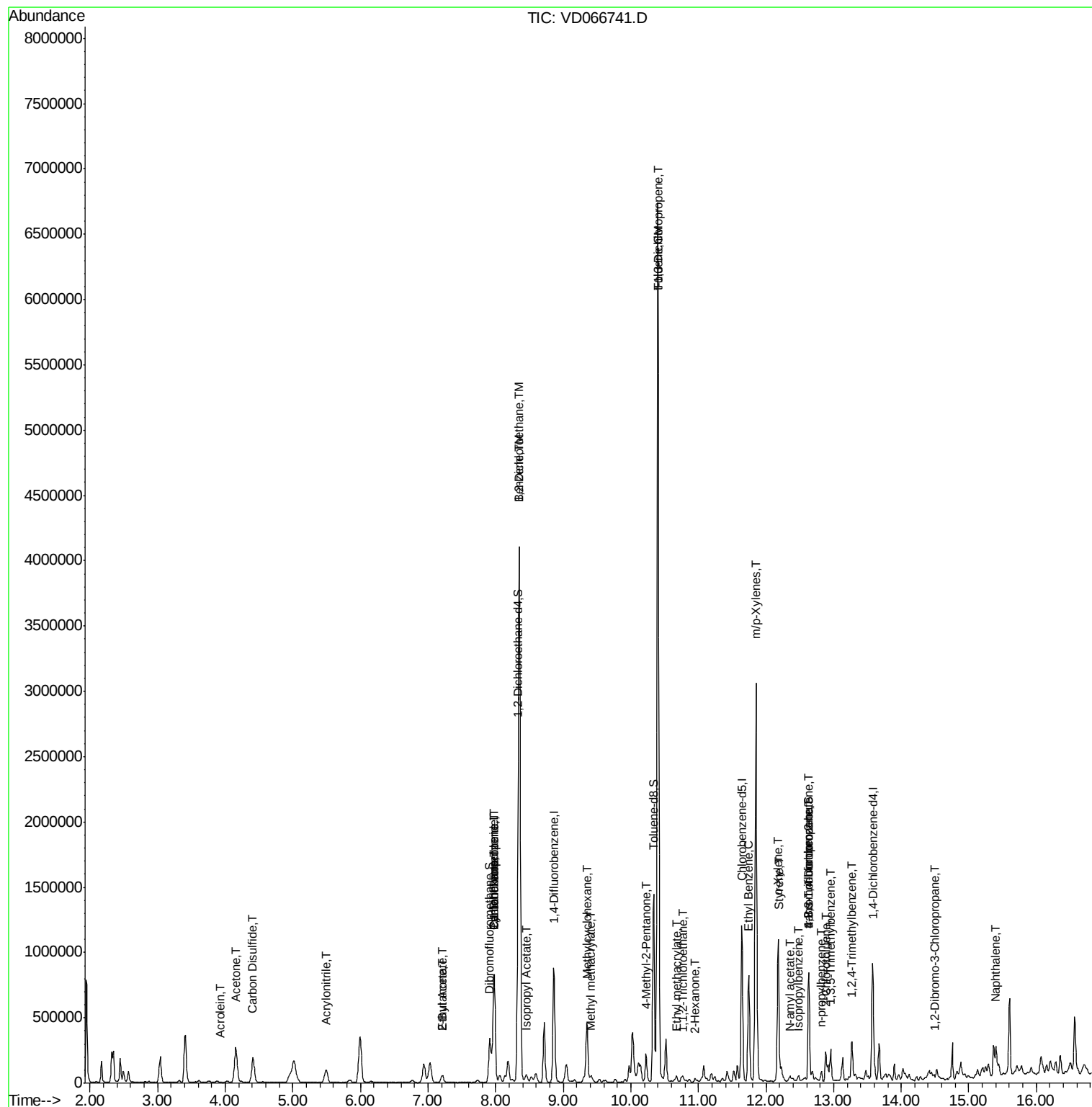
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 81) trans-1,4-Dichloro-2-buten | 12.63 | 75   | 149979   | 170.501 | ug/l # | 8        |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 176185   | 12.593  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.50 | 75   | 525      | 1.154   | ug/l # | 7        |
| 95) Naphthalene                | 15.40 | 128  | 186398   | 28.118  | ug/l # | 92       |

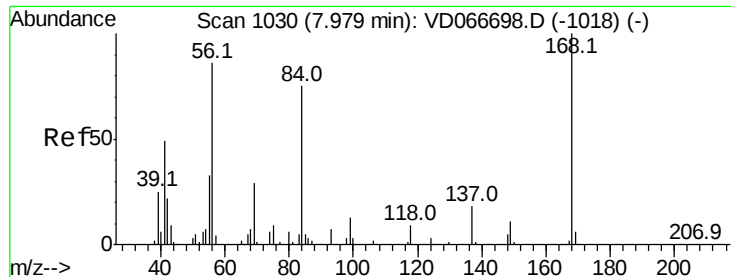
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091720\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

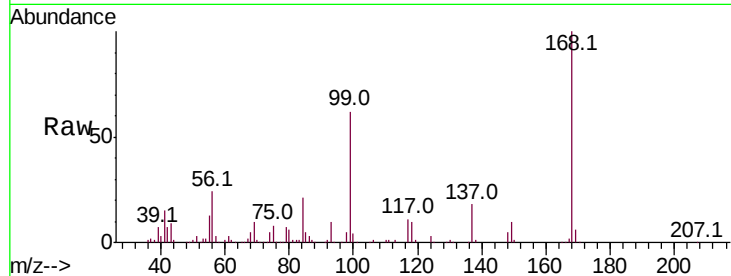
Instrument :  
MSVOA\_D  
ClientSampled :  
51-53

Tot Ion:168 Resp: 425518

Ion Ratio Lower Upper

168 100

99 62.1 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

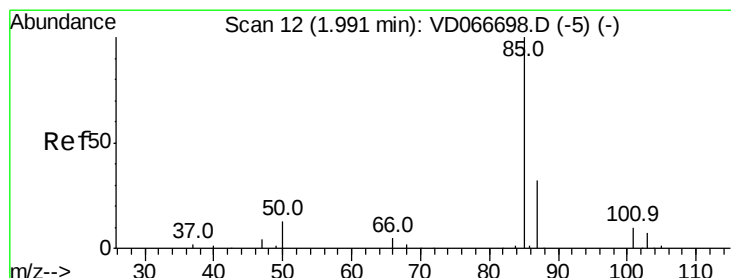
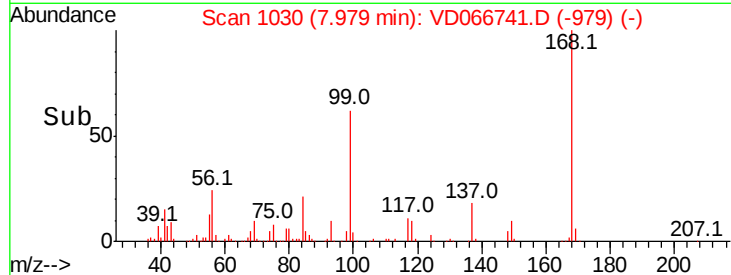
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD066741.D

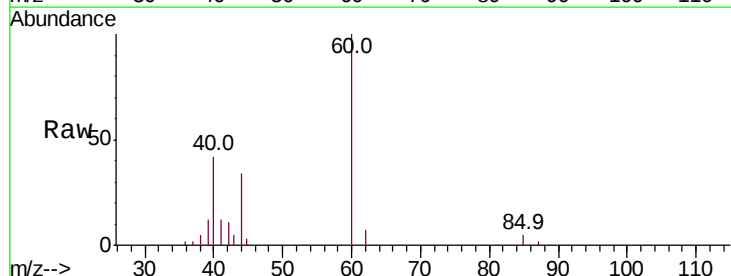
Acq: 17 Sep 2020 13:42

Tgt Ion: 85 Resp: 316

Ion Ratio Lower Upper

85 100

87 38.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

400

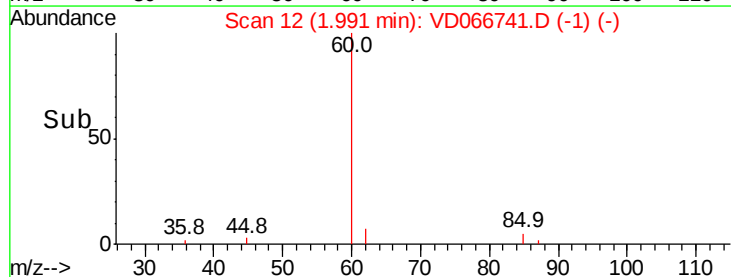
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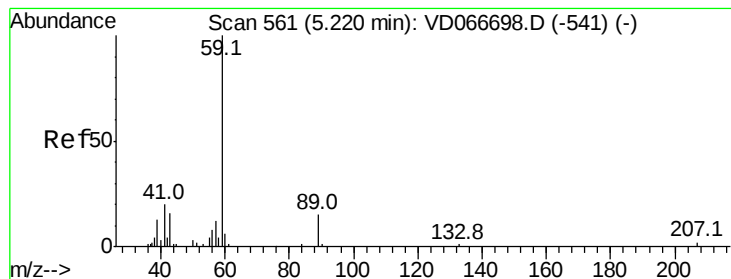
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100

0

Time-->



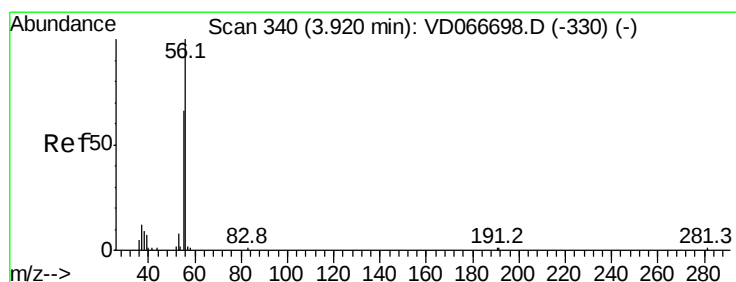
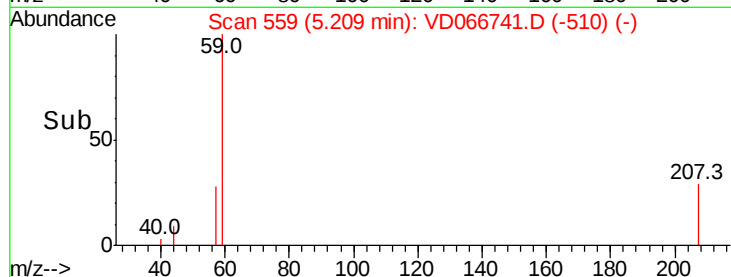
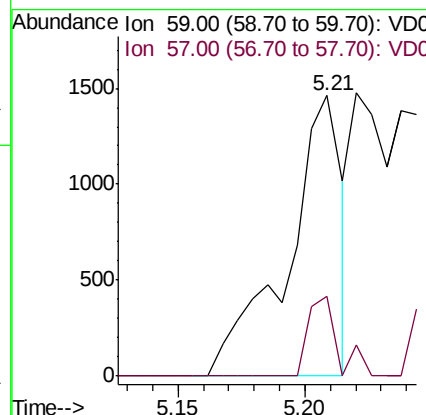
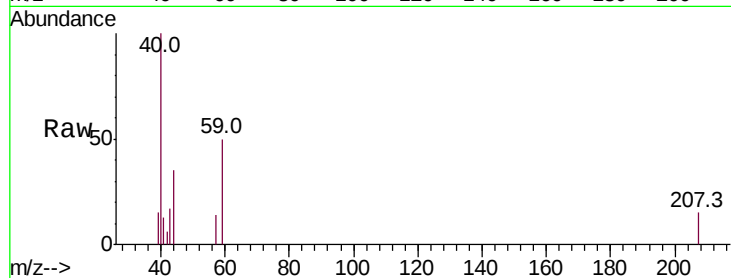


#11

Tert butyl alcohol  
 Concen: Below Cal  
 RT: 5.21 min Scan# 559  
 Delta R.T. -0.01 min  
 Lab File: VD066741.D  
 Acq: 17 Sep 2020 13:42

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 51-53

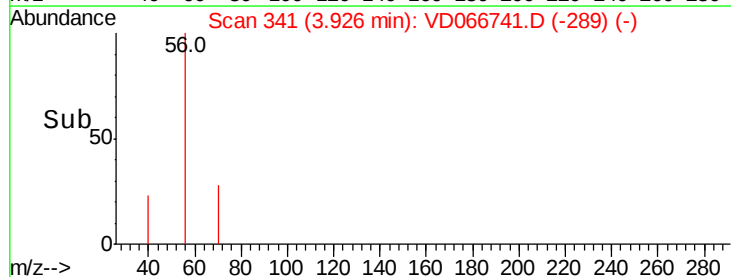
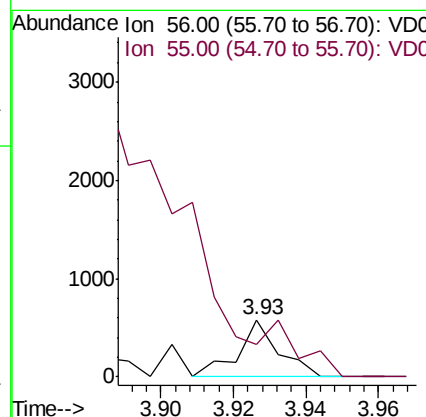
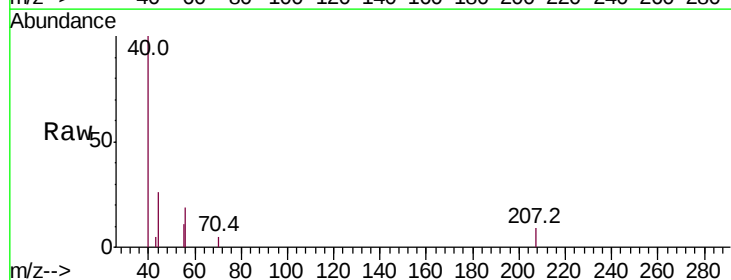
Tot Ion: 59 Resp: 2177  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 6.7 10.1#

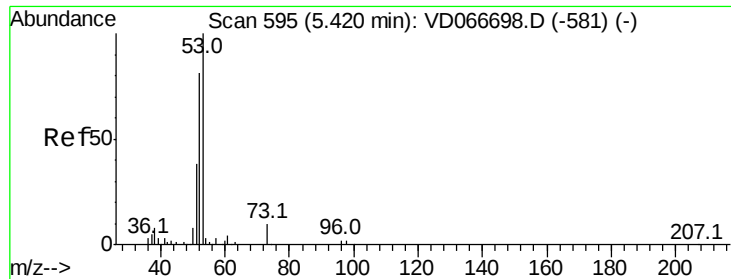


#13

Acrolein  
 Concen: 1.437 ug/l  
 RT: 3.93 min Scan# 341  
 Delta R.T. 0.01 min  
 Lab File: VD066741.D  
 Acq: 17 Sep 2020 13:42

Tgt Ion: 56 Resp: 460  
 Ion Ratio Lower Upper  
 56 100  
 55 0.0 54.7 82.1#





#15

Acrylonitrile

Concen: 3.350 ug/l

RT: 5.49 min Scan# 606

Delta R.T. 0.06 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA\_D

ClientSampled :

51-53

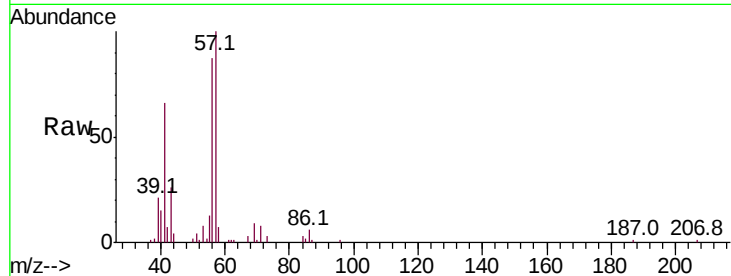
Tot Ion: 53 Resp: 3076

Ion Ratio Lower Upper

53 100

52 19.4 66.6 99.8#

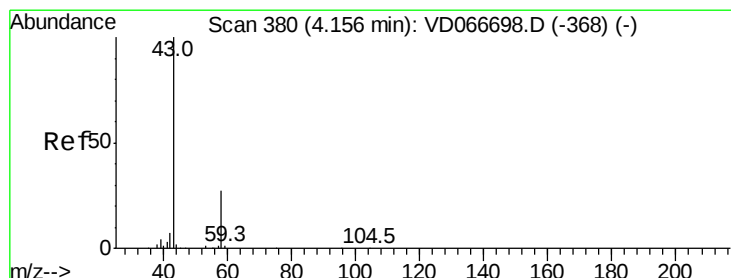
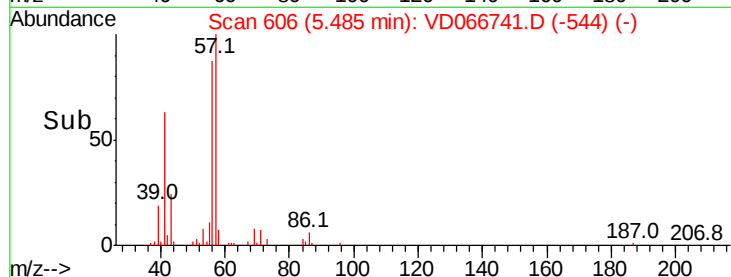
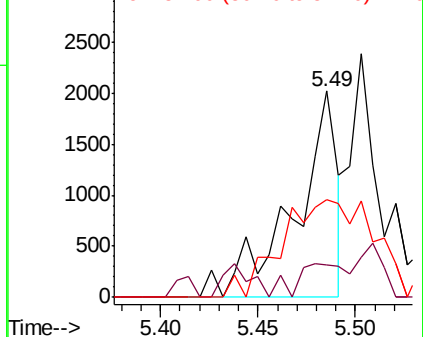
51 101.8 31.0 46.6#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 513.127 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066741.D

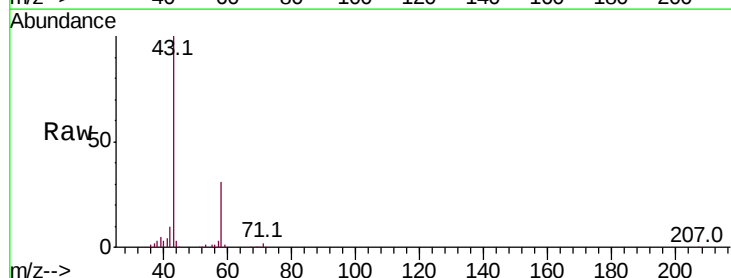
Acq: 17 Sep 2020 13:42

Tgt Ion: 43 Resp: 474399

Ion Ratio Lower Upper

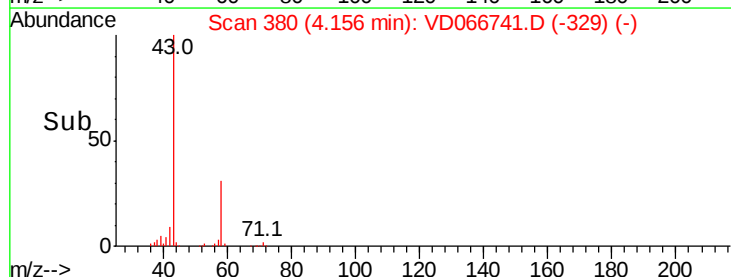
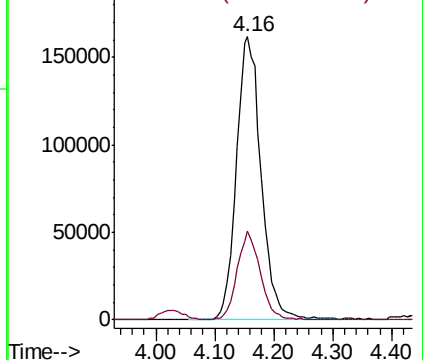
43 100

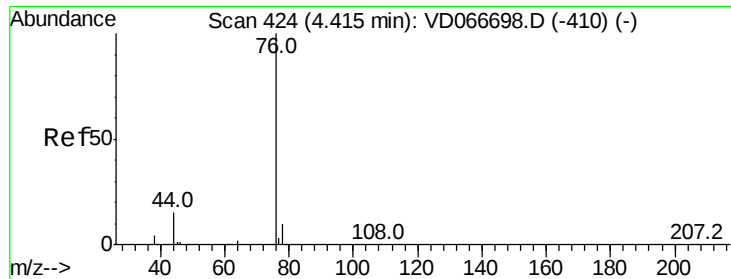
58 31.2 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

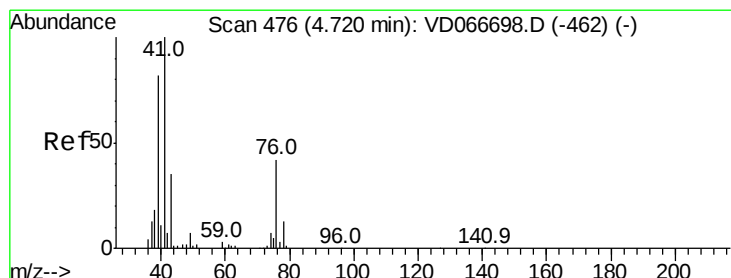
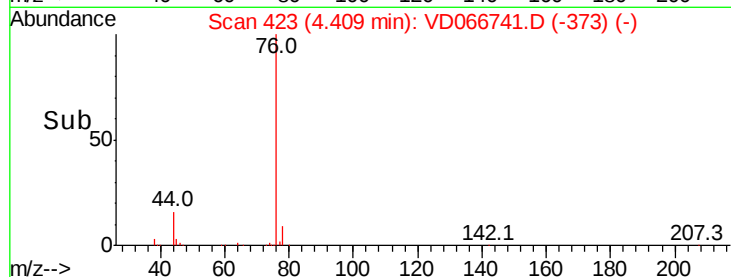
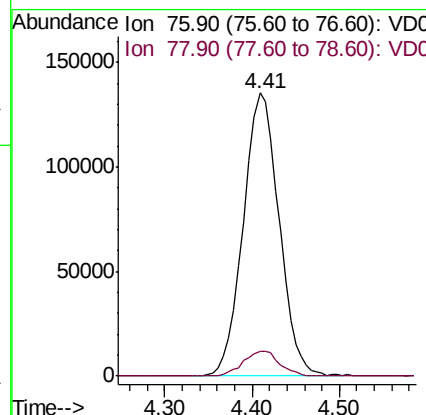
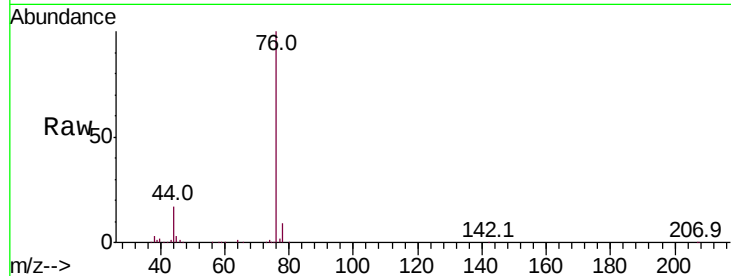




#17  
Carbon Disulfide  
Concen: 28.134 ug/l  
RT: 4.41 min Scan# 423  
Delta R.T. -0.01 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

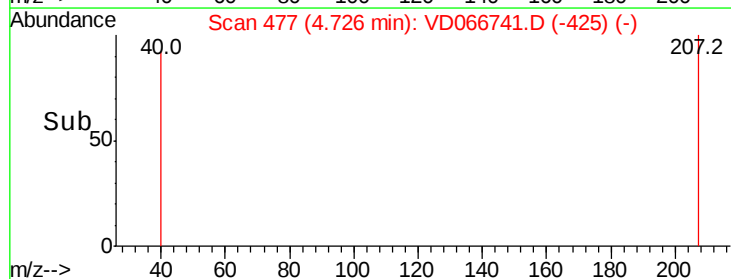
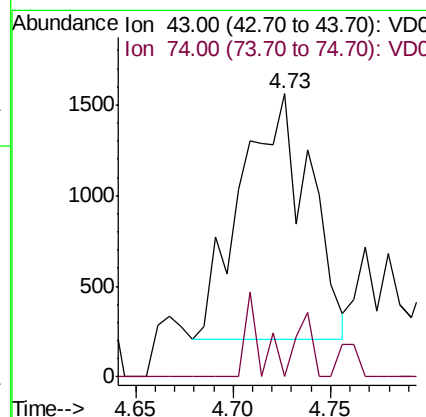
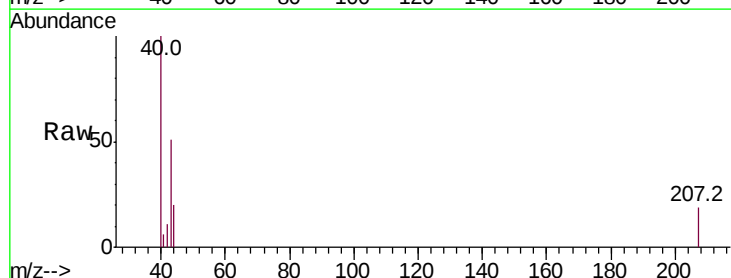
Instrument :  
MSVOA\_D  
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51-53

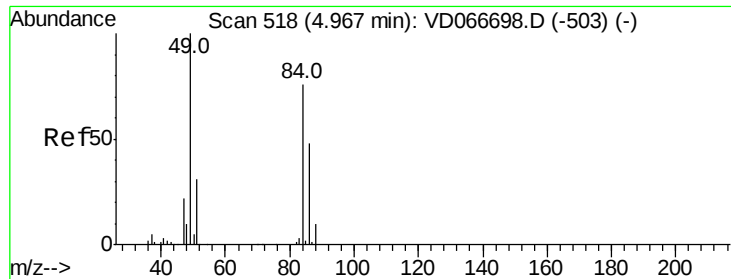
Tot Ion: 76 Resp: 376413  
Ion Ratio Lower Upper  
76 100  
78 8.6 8.0 12.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.73 min Scan# 477  
Delta R.T. 0.01 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

Tgt Ion: 43 Resp: 3285  
Ion Ratio Lower Upper  
43 100  
74 6.2 18.6 28.0#

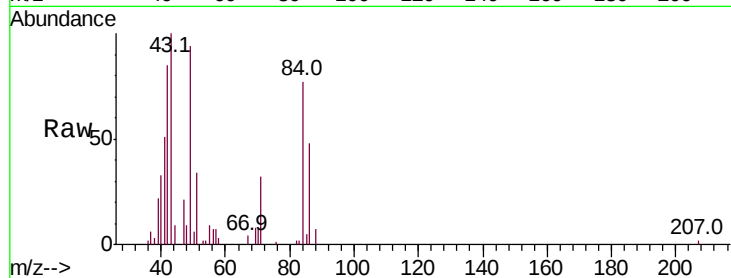




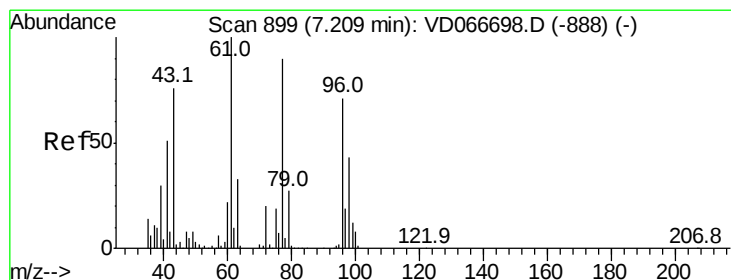
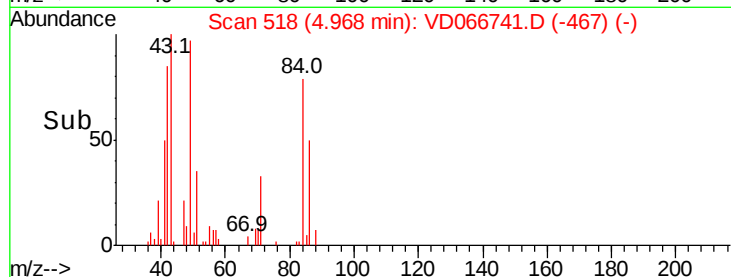
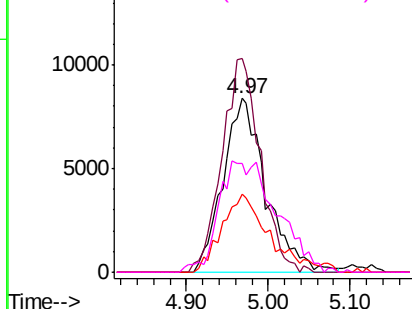
#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.97 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
51-53

Tot Ion: 84 Resp: 30605  
Ion Ratio Lower Upper  
84 100  
49 123.0 105.0 157.6  
51 44.7 32.2 48.4  
86 62.5 50.4 75.6

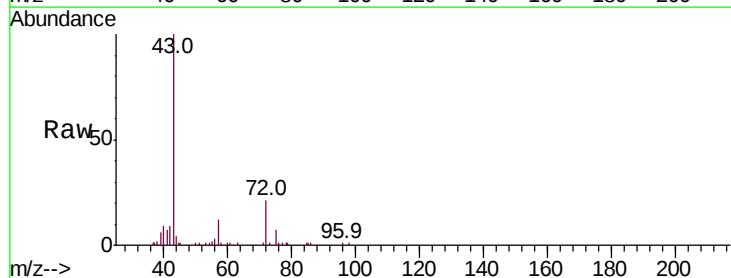


Abundance Ion 83.90 (83.60 to 84.60): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

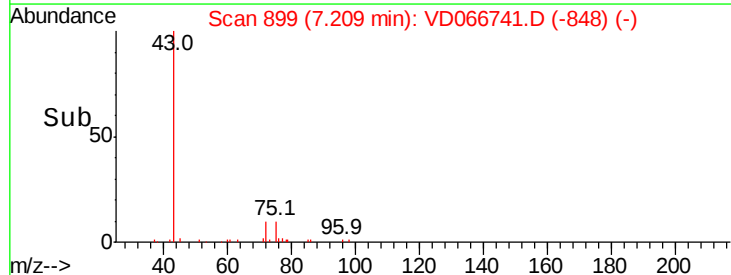
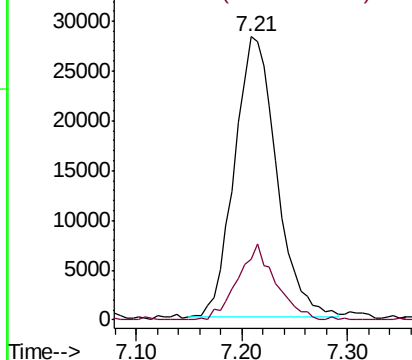


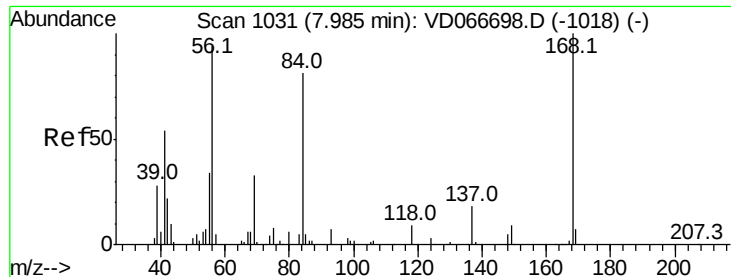
#25  
2-Butanone  
Concen: 64.799 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. 0.00 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

Tgt Ion: 43 Resp: 78009  
Ion Ratio Lower Upper  
43 100  
72 21.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC

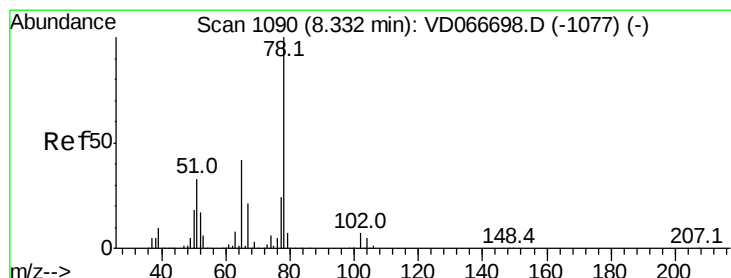
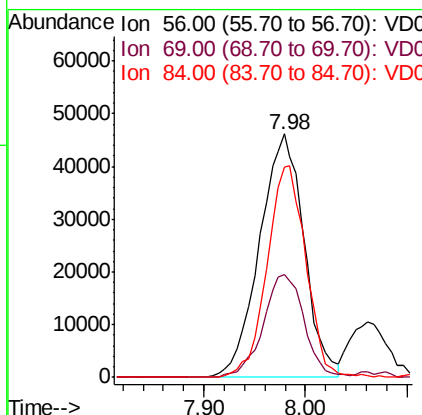
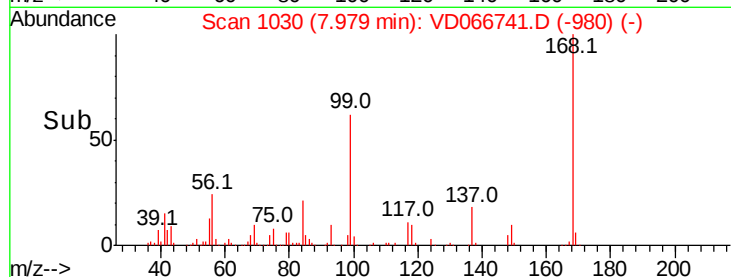
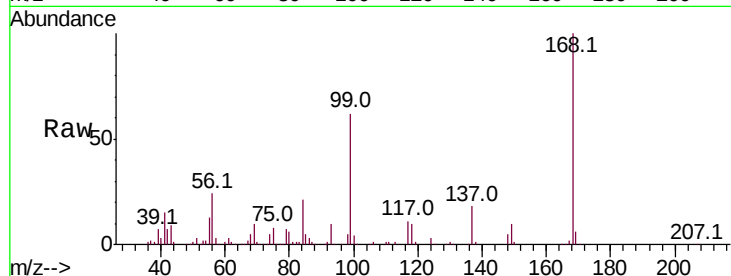




#31  
Cyclohexane  
Concen: 17.600 ug/l  
RT: 7.98 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

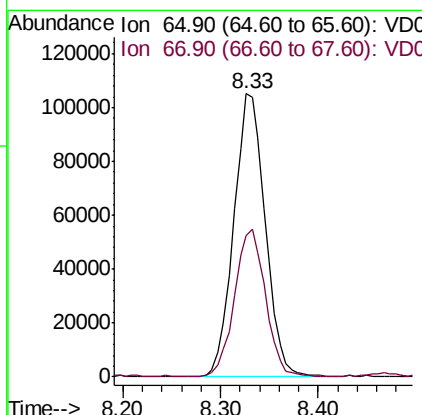
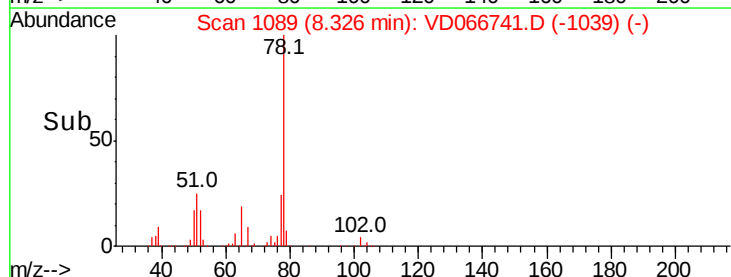
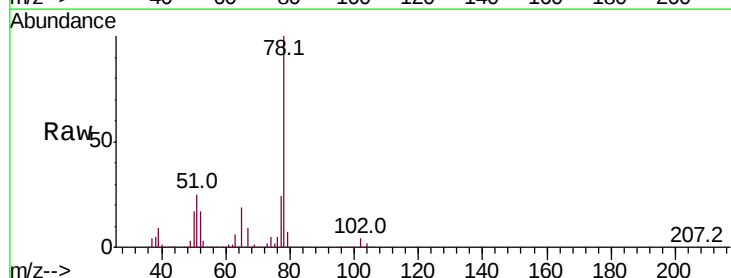
Instrument :  
MSVOA\_D  
ClientSampled :  
51-53

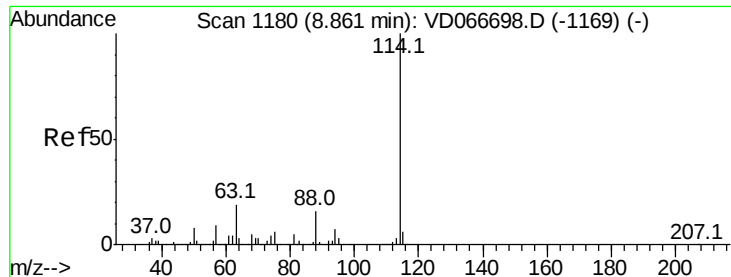
Tot Ion: 56 Resp: 141141  
Ion Ratio Lower Upper  
56 100  
69 42.3 27.7 41.5#  
84 86.4 68.5 102.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.961 ug/l  
RT: 8.33 min Scan# 1089  
Delta R.T. -0.01 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

Tgt Ion: 65 Resp: 235902  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA\_D

ClientSampleId :

51-53

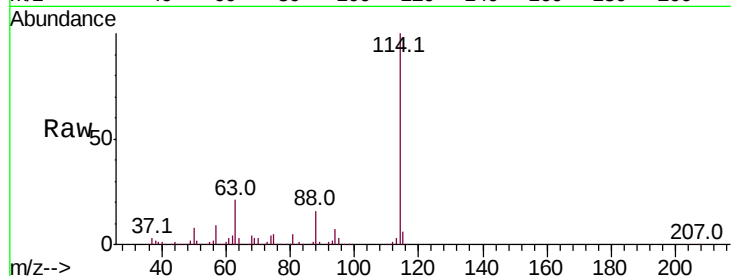
Tot Ion:114 Resp: 739654

Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.6

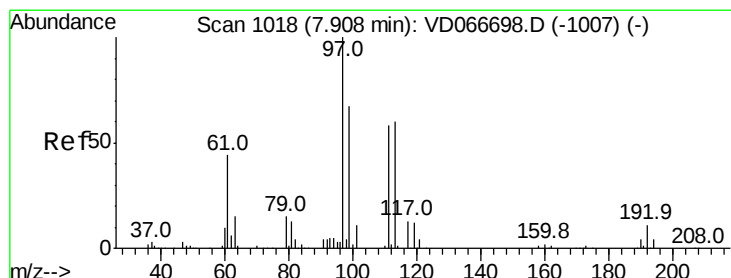
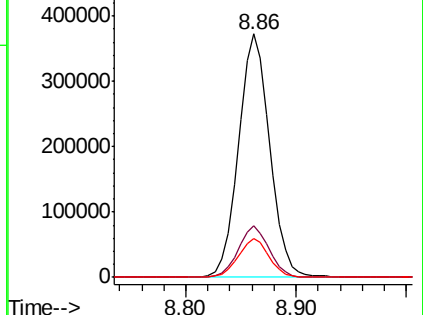
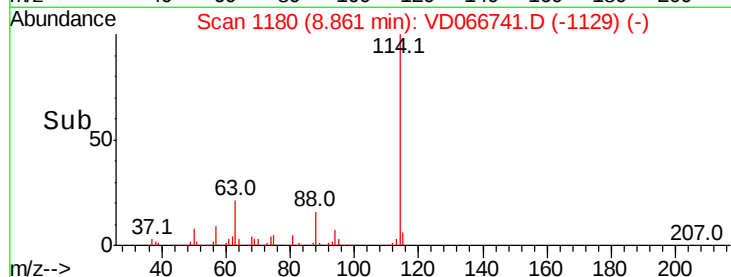
88 16.0 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 51.511 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

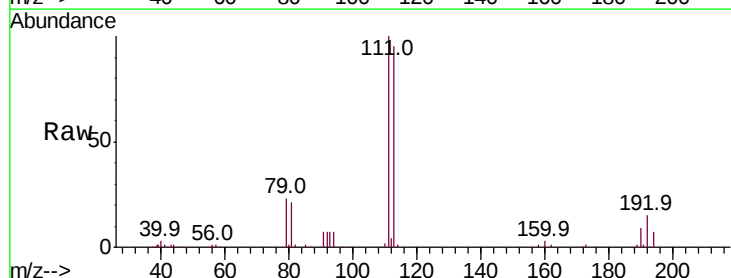
Tgt Ion:113 Resp: 233590

Ion Ratio Lower Upper

113 100

111 102.5 83.2 124.8

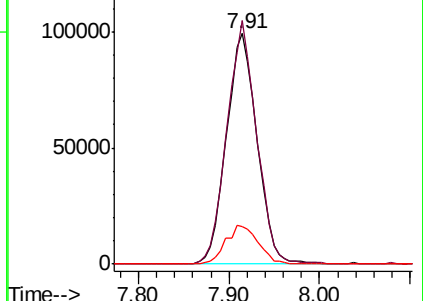
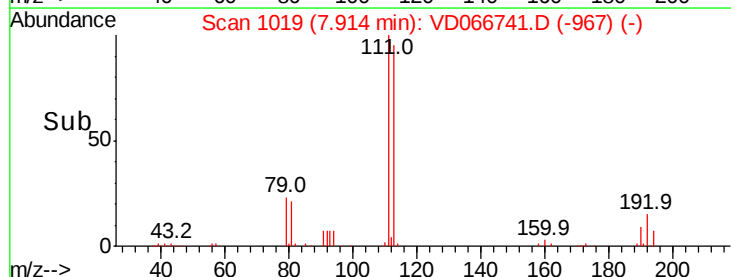
192 17.7 14.8 22.2

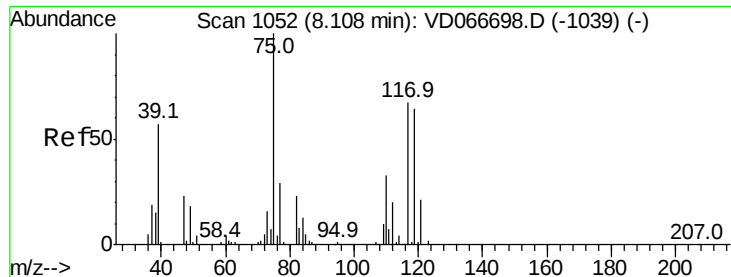


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.902 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA\_D

ClientSampled :

51-53

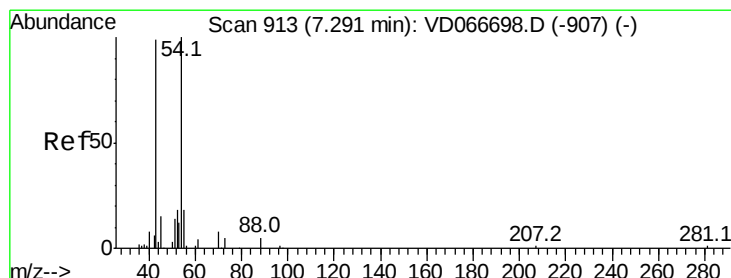
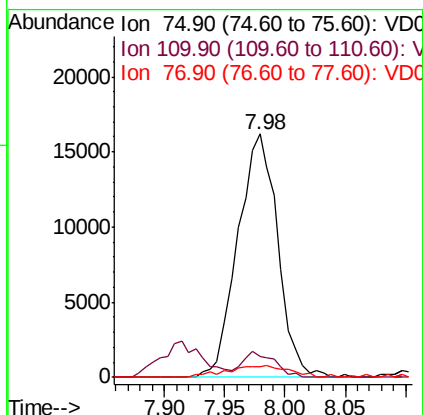
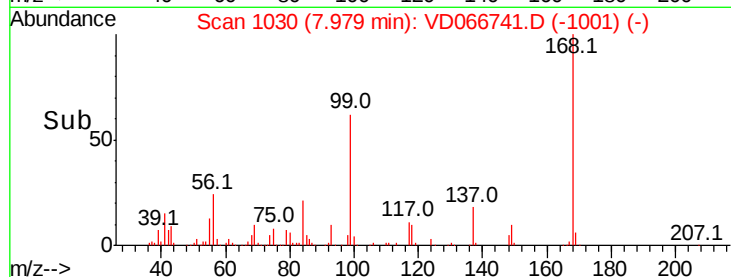
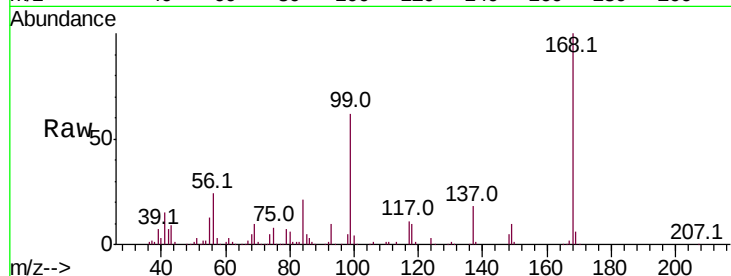
Tot Ion: 75 Resp: 37275

Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.2#

77 0.0 25.0 37.6#



#37

Ethyl Acetate

Concen: 27.096 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.08 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

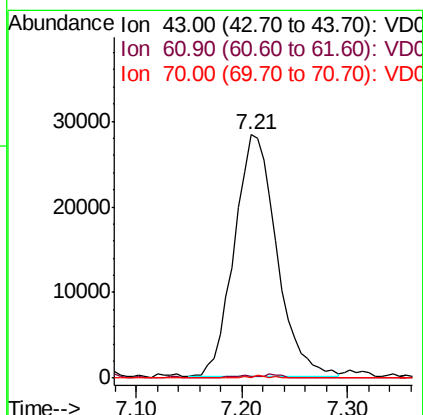
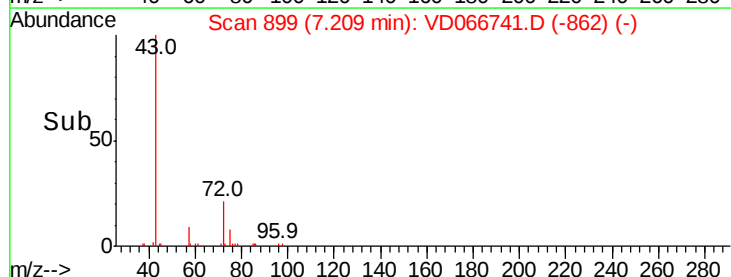
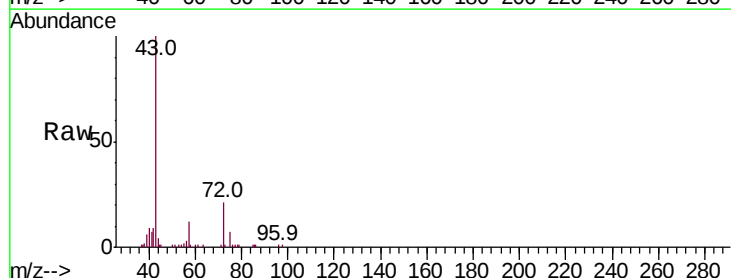
Tgt Ion: 43 Resp: 78009

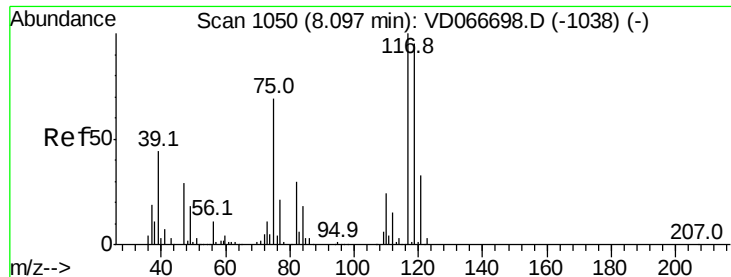
Ion Ratio Lower Upper

43 100

61 0.6 10.4 15.6#

70 0.4 7.5 11.3#

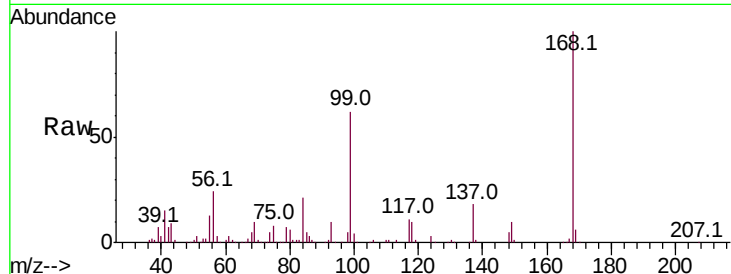




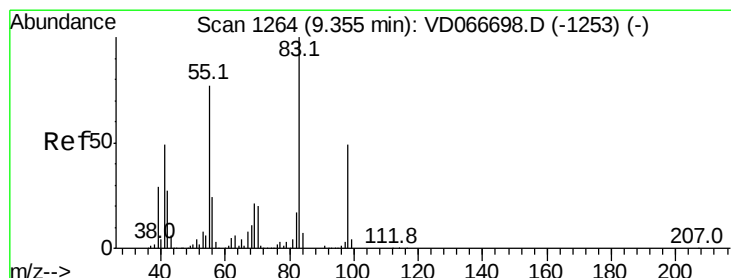
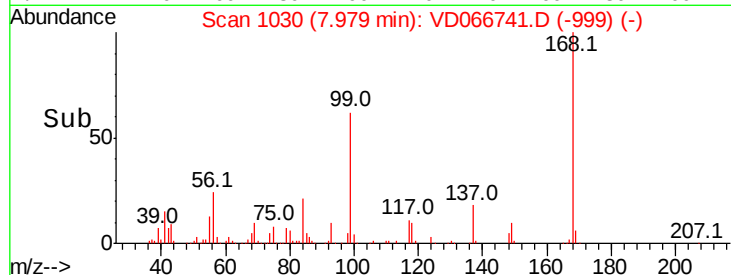
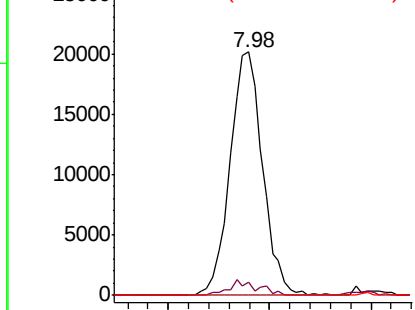
#38  
Carbon Tetrachloride  
Concen: 5.540 ug/l  
RT: 7.98 min Scan# 1030  
Delta R.T. -0.12 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

Instrument :  
MSVOA\_D  
ClientSampled :  
51-53

Tot Ion:117 Resp: 44741  
Ion Ratio Lower Upper  
117 100  
119 5.5 75.8 113.6#  
121 0.0 26.2 39.4#

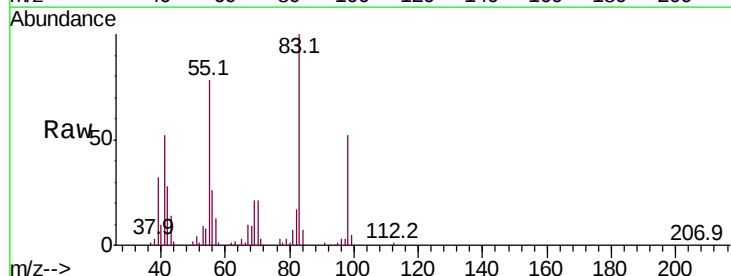


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

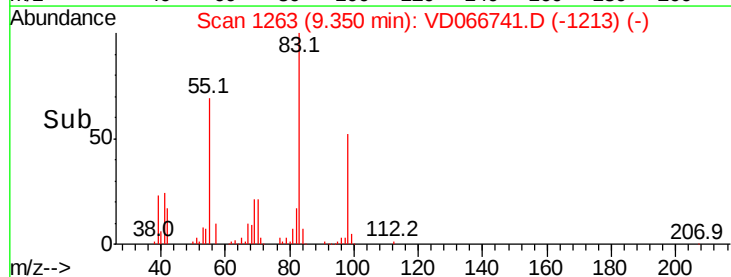
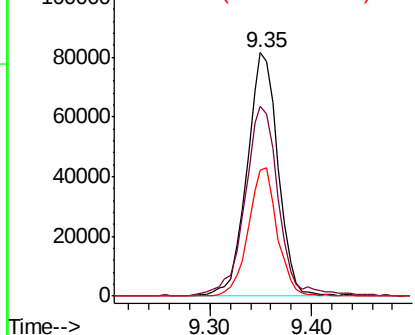


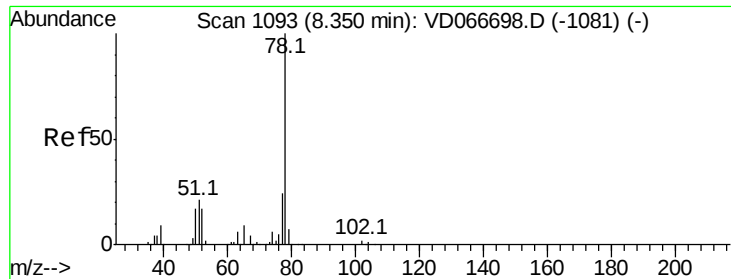
#39  
Methylcyclohexane  
Concen: 19.905 ug/l  
RT: 9.35 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

Tgt Ion: 83 Resp: 173139  
Ion Ratio Lower Upper  
83 100  
55 77.6 61.5 92.3  
98 51.5 39.3 58.9



Abundance Ion 83.00 (82.70 to 83.70): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.00 (97.70 to 98.70): VDC





#40

Benzene

Concen: 201.698 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA\_D

ClientSampleId :

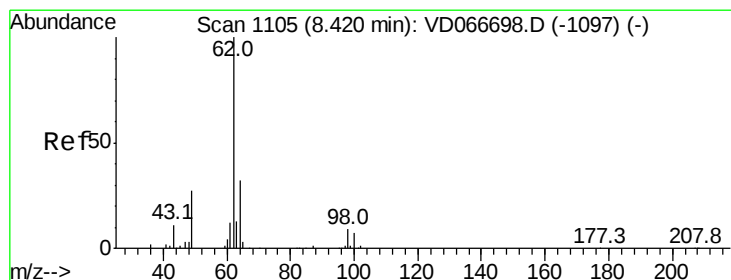
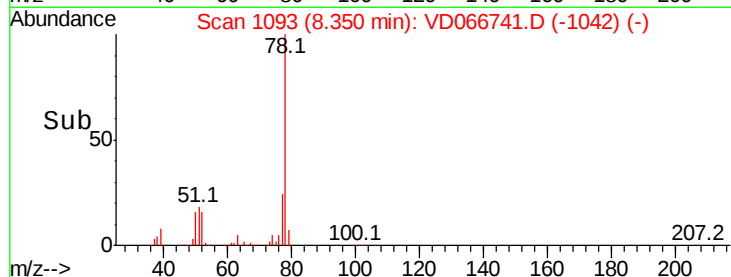
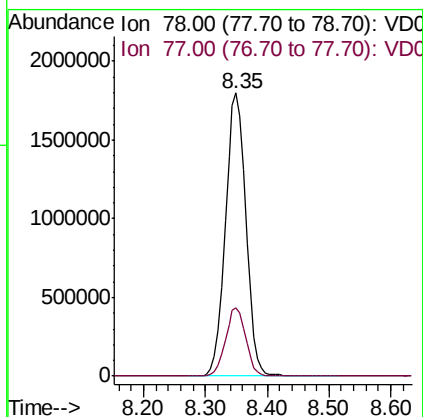
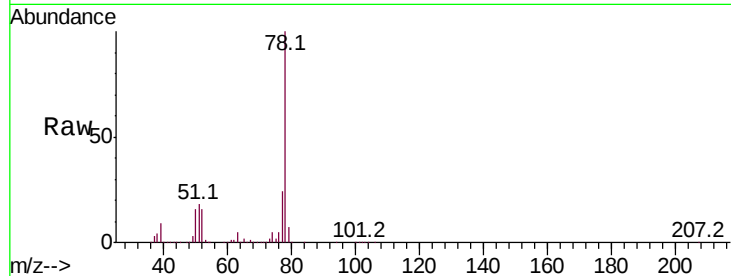
51-53

Tot Ion: 78 Resp: 4149699

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9



#42

1,2-Dichloroethane

Concen: 5.756 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. -0.08 min

Lab File: VD066741.D

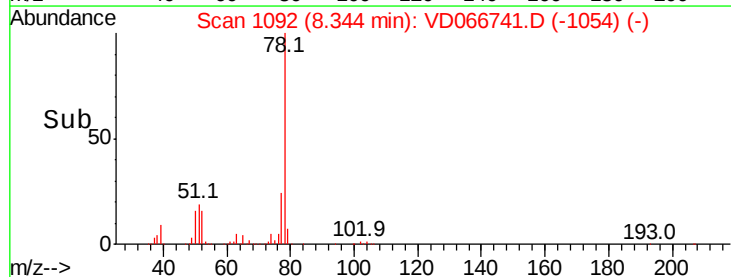
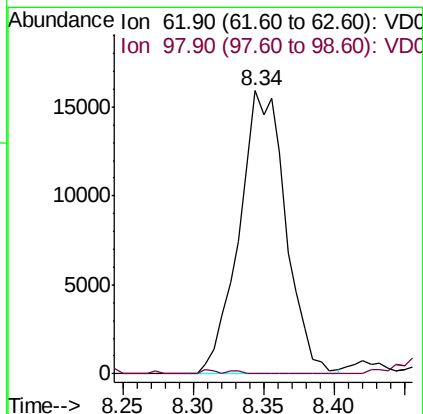
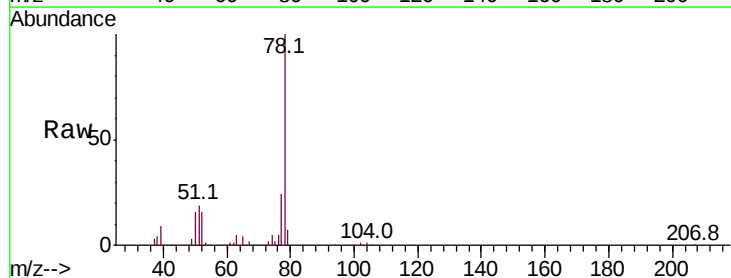
Acq: 17 Sep 2020 13:42

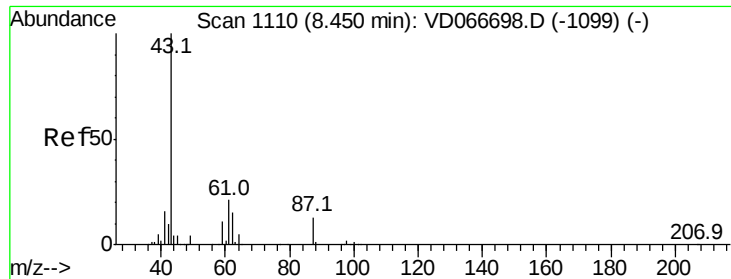
Tgt Ion: 62 Resp: 36687

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6





#43

Isopropyl Acetate

Concen: 1.839 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA\_D

ClientSampleId :

51-53

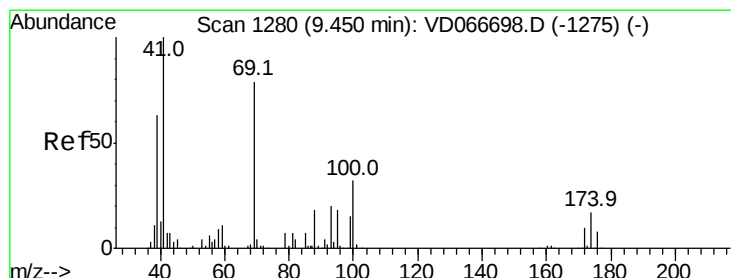
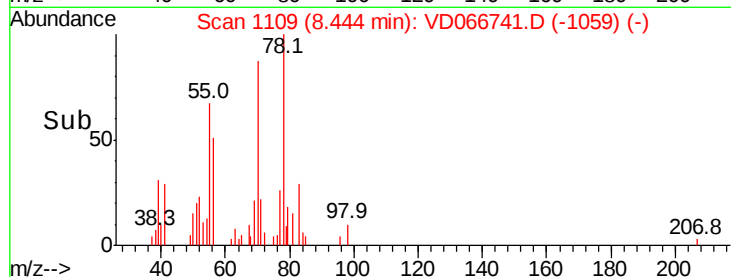
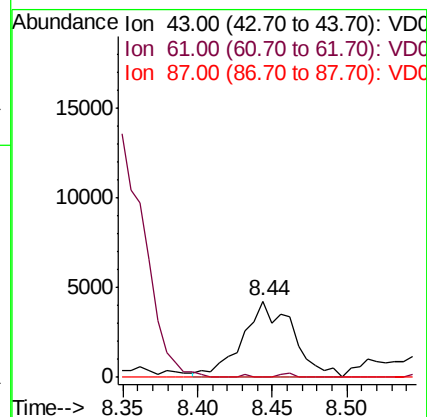
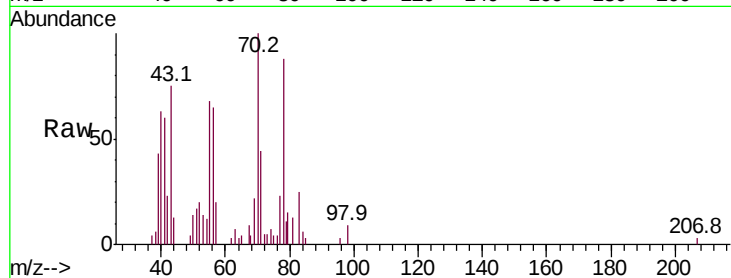
Tot Ion: 43 Resp: 9963

Ion Ratio Lower Upper

43 100

61 0.0 24.8 37.2#

87 0.0 10.4 15.6#



#48

Methyl methacrylate

Concen: 4.956 ug/l

RT: 9.41 min Scan# 1273

Delta R.T. -0.04 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

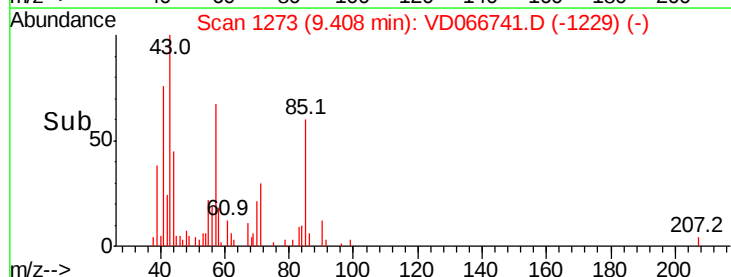
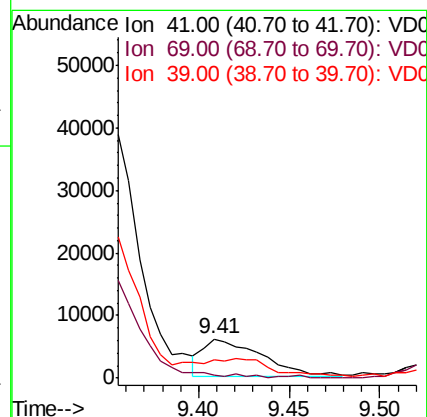
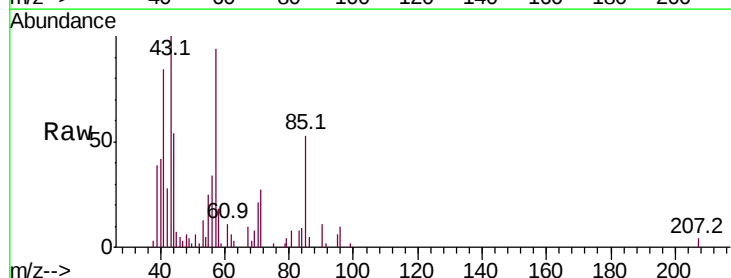
Tgt Ion: 41 Resp: 13660

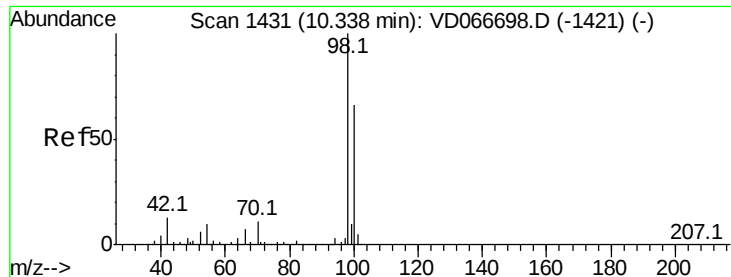
Ion Ratio Lower Upper

41 100

69 0.0 62.4 93.6#

39 0.0 44.8 67.2#

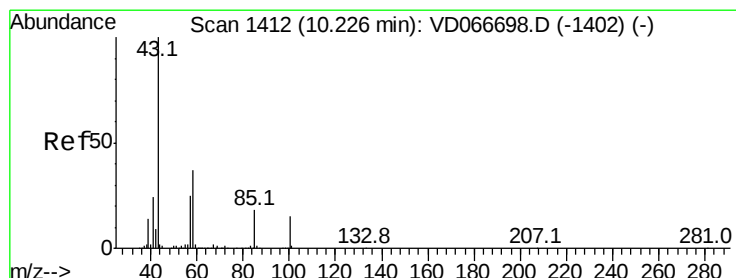
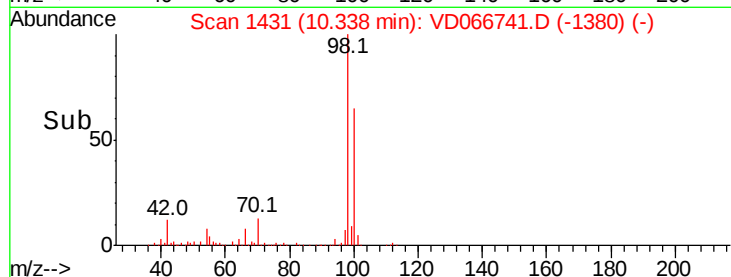
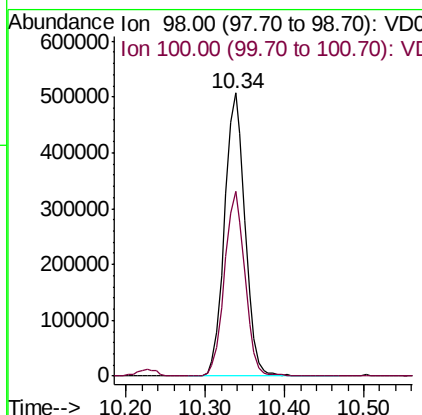
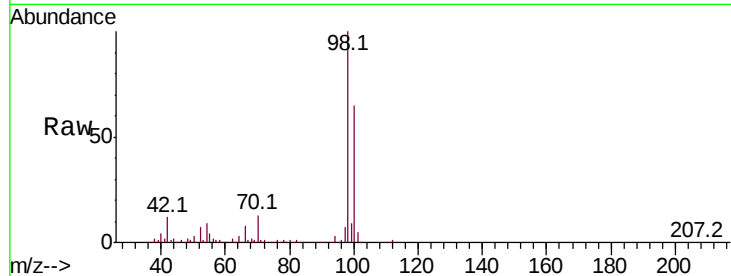




#50  
Toluene-d8  
Concen: 56.070 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

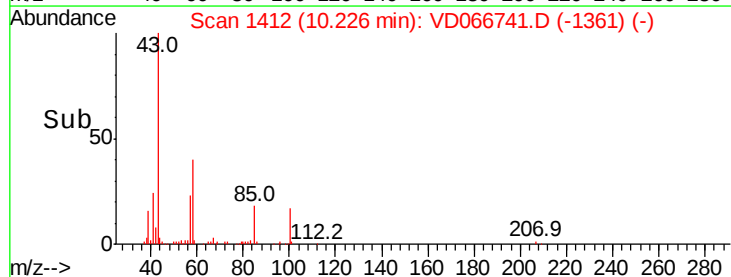
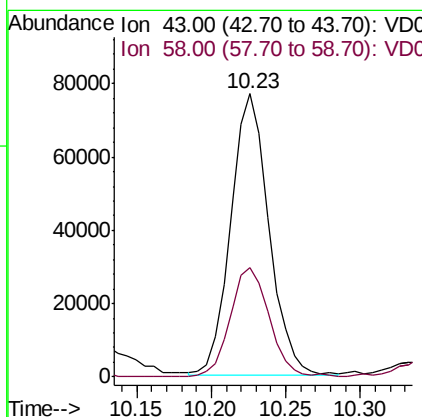
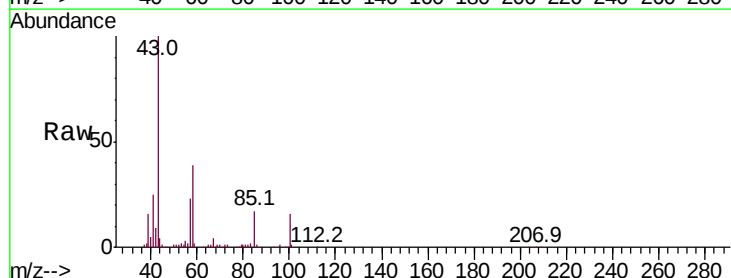
Instrument :  
MSVOA\_D  
ClientSampleId :  
51-53

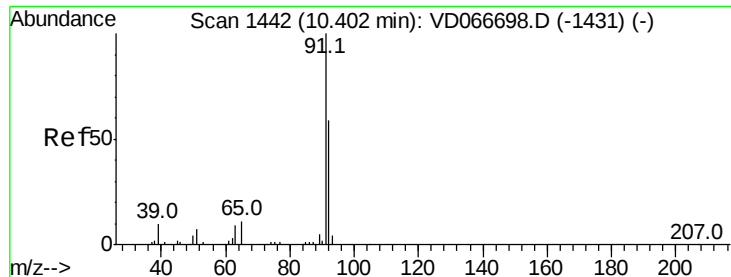
Tot Ion: 98 Resp: 905878  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.7 79.1



#51  
4-Methyl-2-Pentanone  
Concen: 49.180 ug/l  
RT: 10.23 min Scan# 1412  
Delta R.T. 0.00 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

Tgt Ion: 43 Resp: 137202  
Ion Ratio Lower Upper  
43 100  
58 39.8 30.4 45.6





#52

Toluene

Concen: 224.356 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA\_D

ClientSampleId :

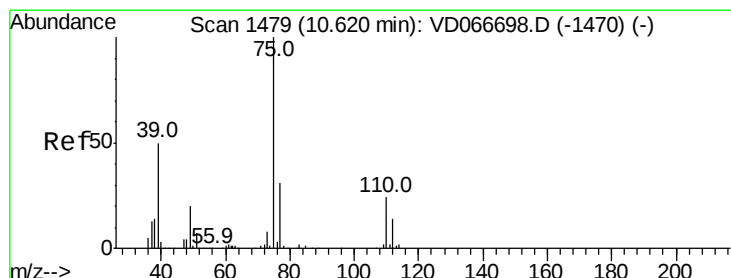
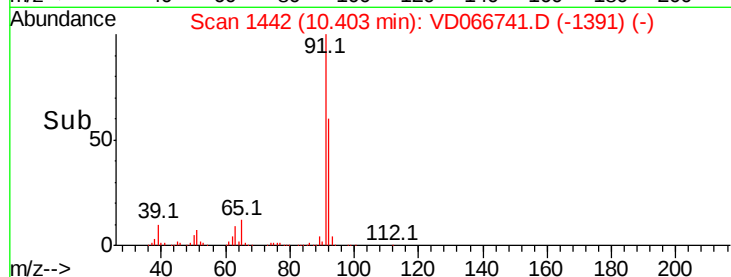
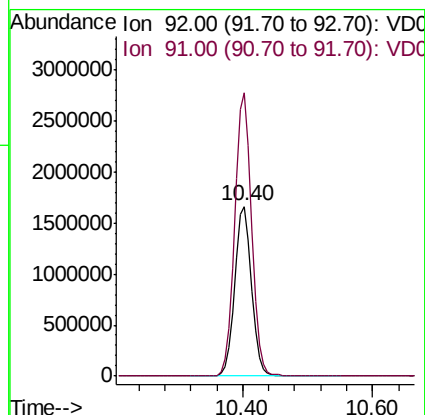
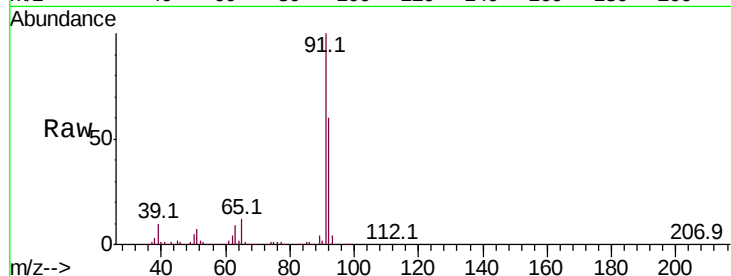
51-53

Tot Ion: 92 Resp: 2956979

Ion Ratio Lower Upper

92 100

91 167.7 135.8 203.8



#53

t-1,3-Dichloropropene

Concen: 5.328 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.22 min

Lab File: VD066741.D

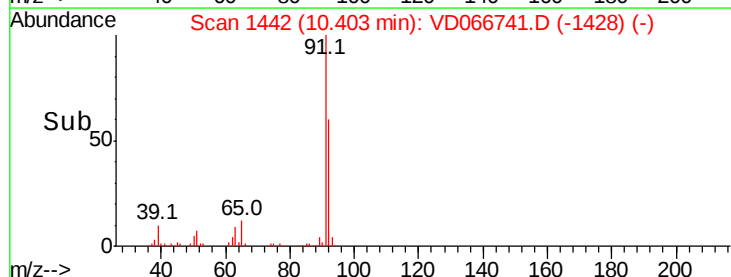
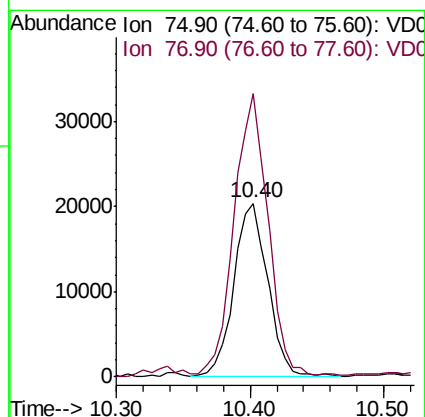
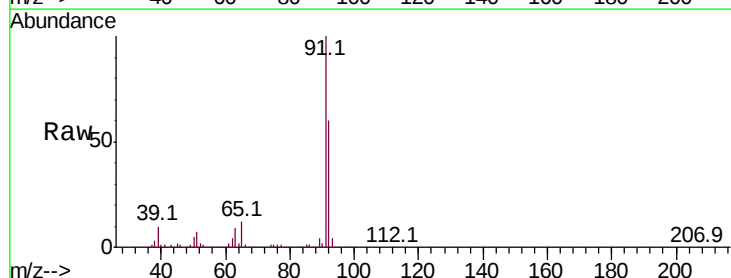
Acq: 17 Sep 2020 13:42

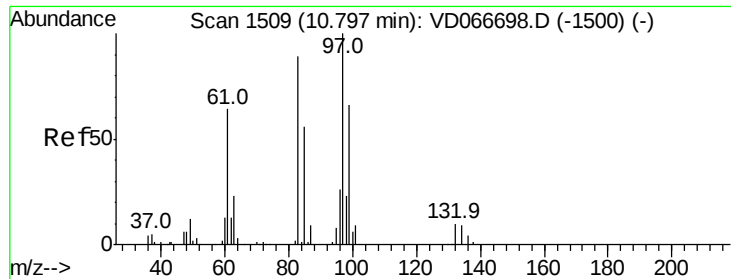
Tgt Ion: 75 Resp: 36247

Ion Ratio Lower Upper

75 100

77 161.7 24.6 36.8#

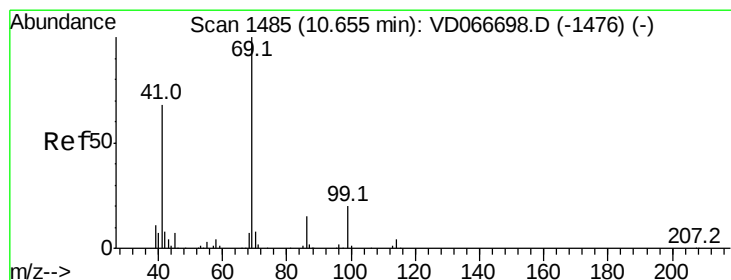
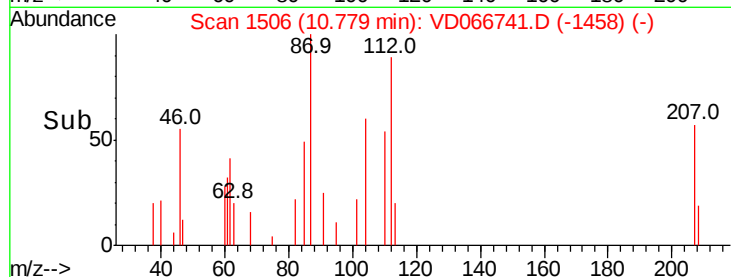
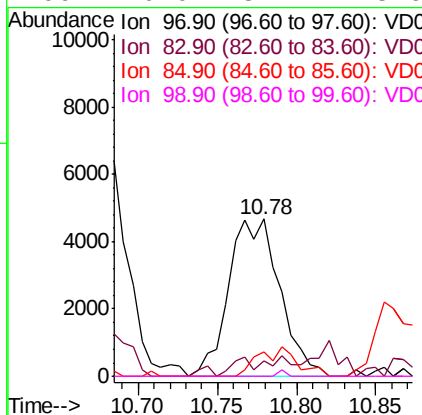
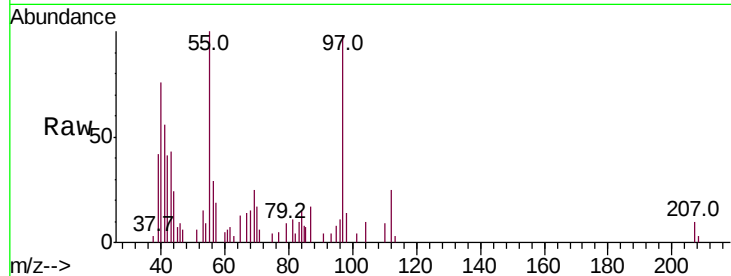




#55  
 1,1,2-Trichloroethane  
 Concen: 2.836 ug/l  
 RT: 10.78 min Scan# 1506  
 Delta R.T. -0.02 min  
 Lab File: VD066741.D  
 Acq: 17 Sep 2020 13:42

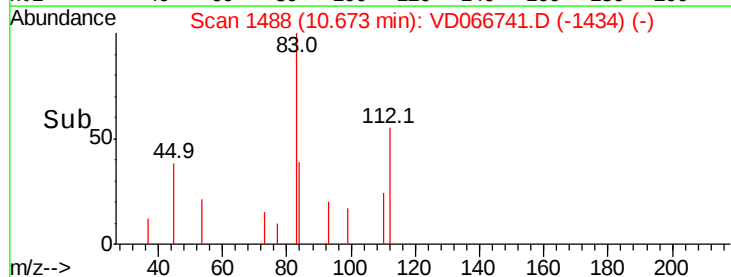
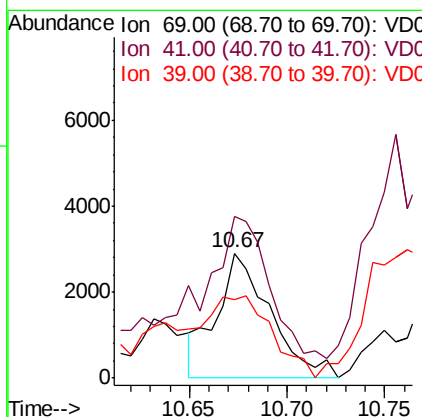
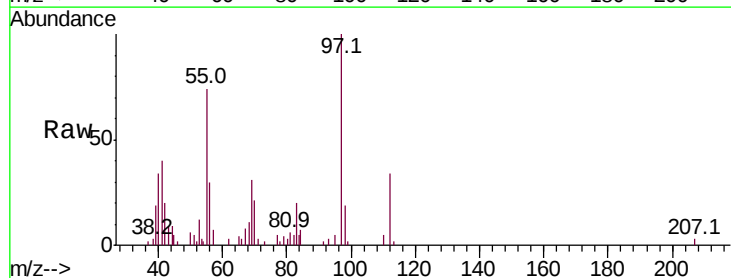
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 51-53

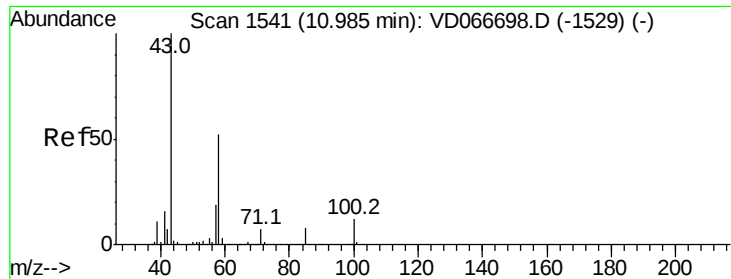
Tot Ion: 97 Resp: 10449  
 Ion Ratio Lower Upper  
 97 100  
 83 9.7 71.4 107.2#  
 85 15.6 44.7 67.1#  
 99 0.0 52.4 78.6#



#56  
 Ethyl methacrylate  
 Concen: 1.334 ug/l  
 RT: 10.67 min Scan# 1488  
 Delta R.T. 0.02 min  
 Lab File: VD066741.D  
 Acq: 17 Sep 2020 13:42

Tgt Ion: 69 Resp: 5578  
 Ion Ratio Lower Upper  
 69 100  
 41 154.2 55.5 83.3#  
 39 0.0 29.7 44.5#





#59

2-Hexanone

Concen: 7.226 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.04 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA\_D

ClientSampleId :

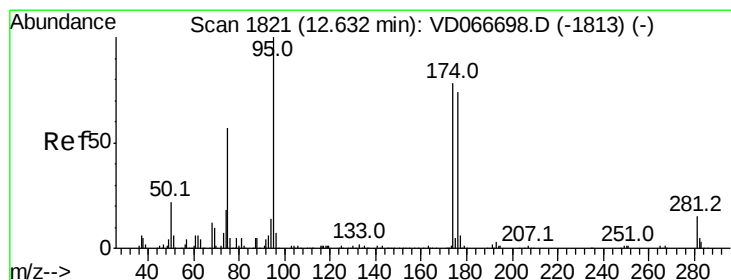
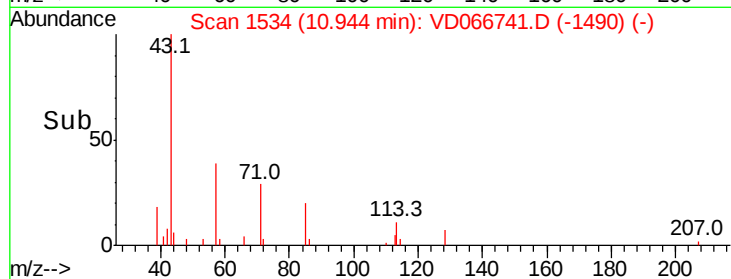
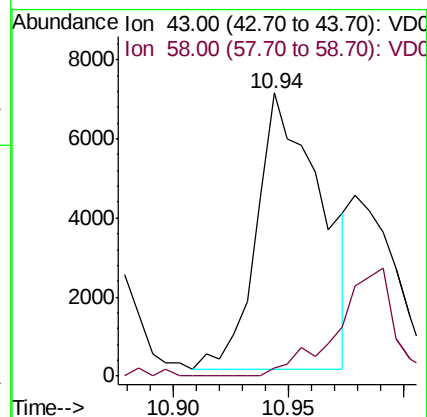
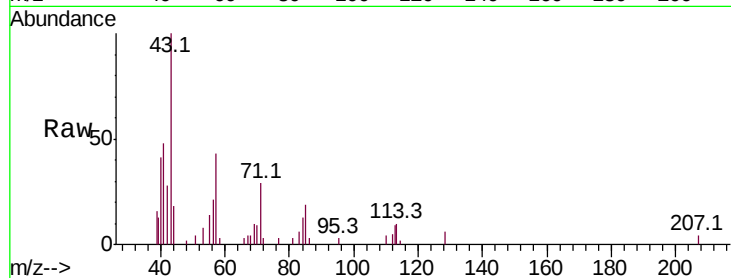
51-53

Tot Ion: 43 Resp: 13546

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 48.406 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

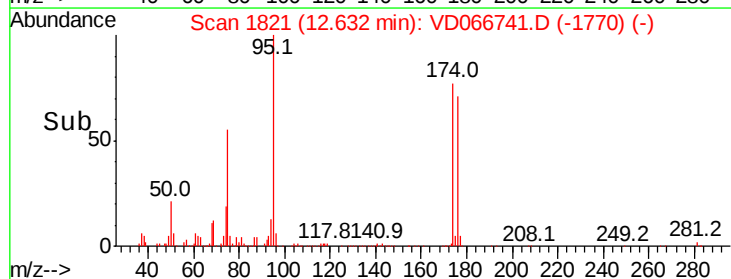
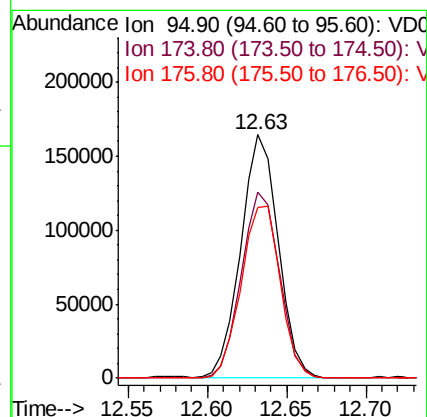
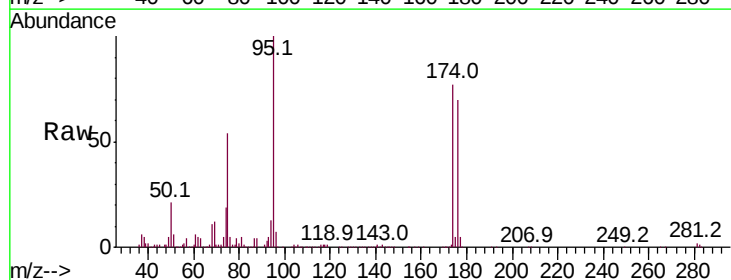
Tgt Ion: 95 Resp: 269960

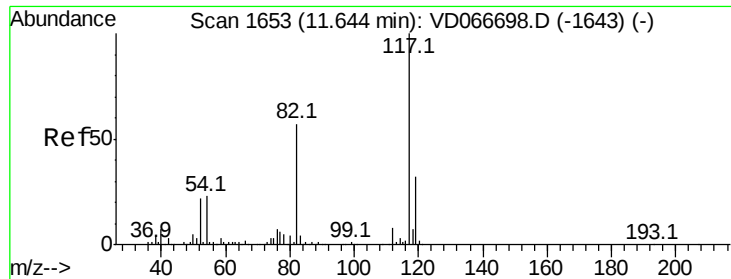
Ion Ratio Lower Upper

95 100

174 78.2 0.0 156.6

176 73.9 0.0 150.2

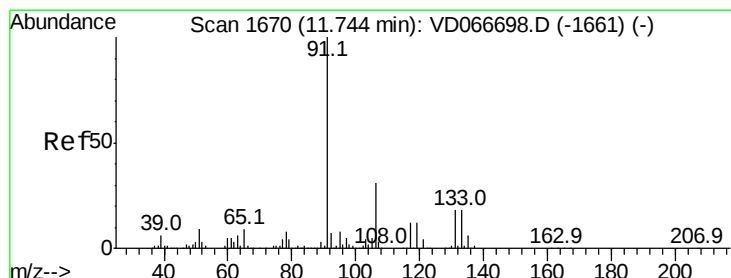
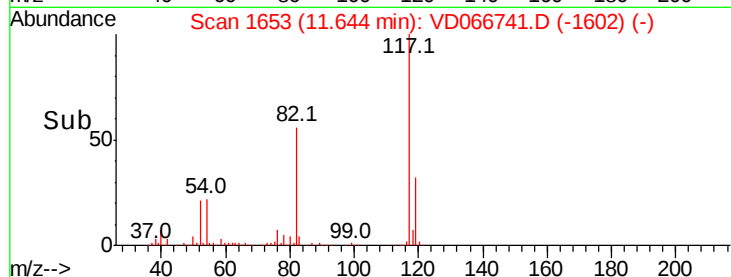
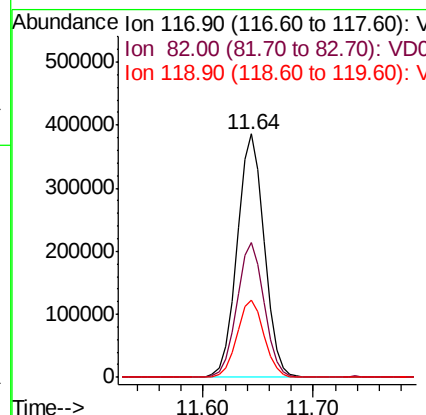
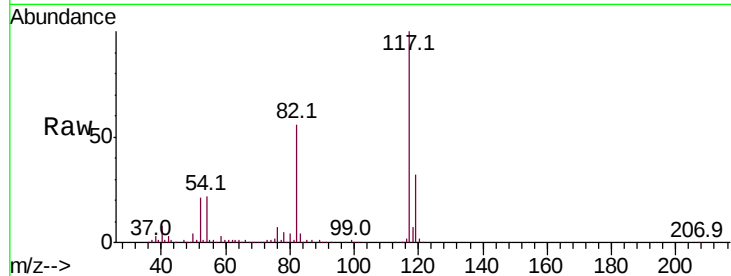




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

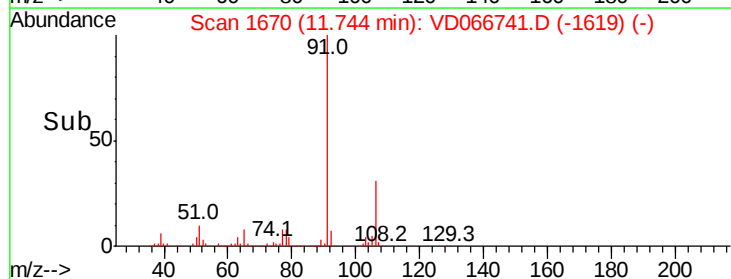
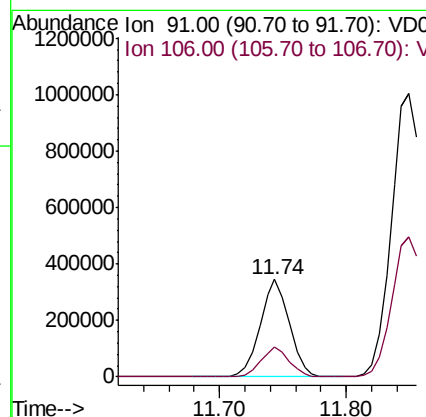
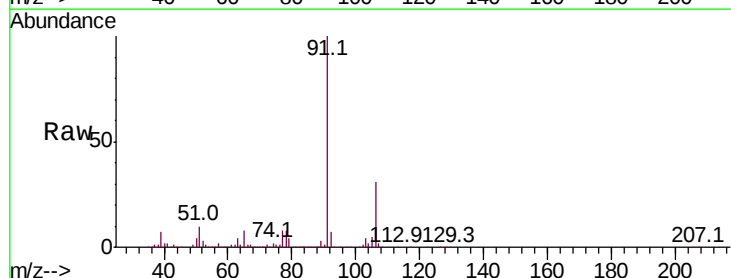
Instrument :  
MSVOA\_D  
ClientSampleId :  
51-53

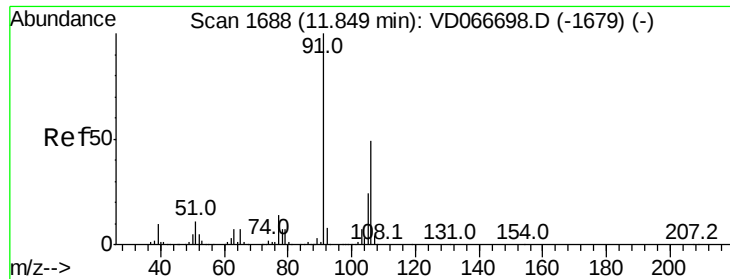
Tot Ion:117 Resp: 665145  
Ion Ratio Lower Upper  
117 100  
82 55.6 45.4 68.0  
119 31.5 25.8 38.6



#67  
Ethyl Benzene  
Concen: 22.093 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

Tgt Ion: 91 Resp: 551104  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.1 37.7

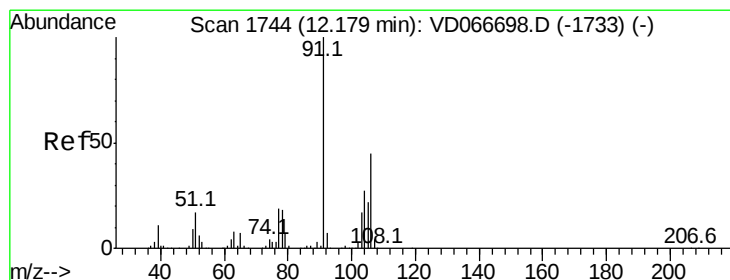
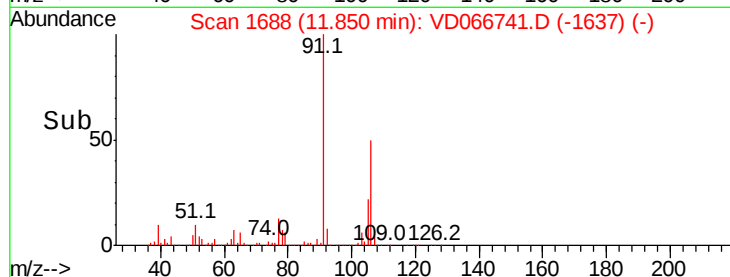
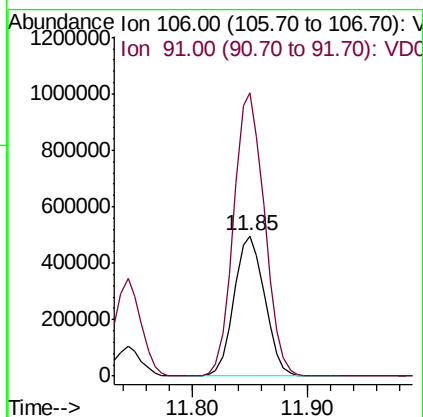
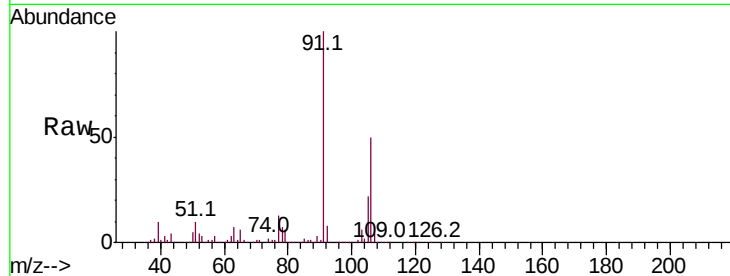




#68  
m/p-Xylenes  
Concen: 96.697 ug/l  
RT: 11.85 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

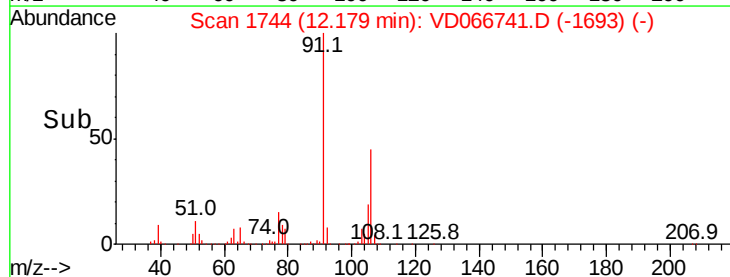
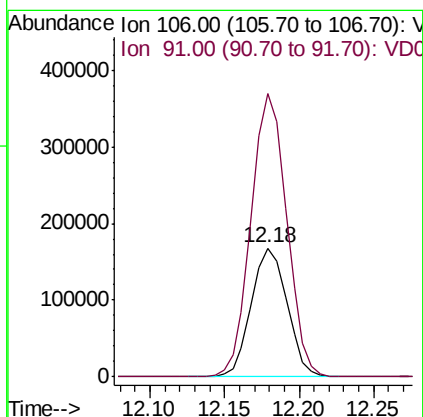
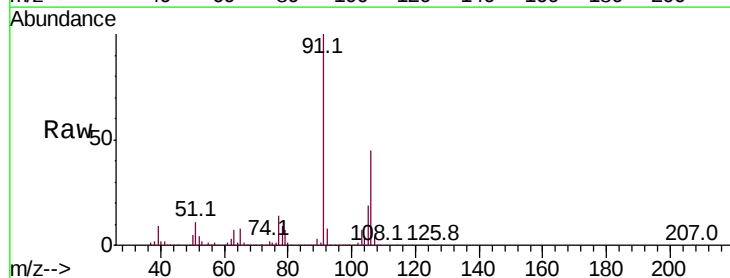
Instrument :  
MSVOA\_D  
ClientSampled :  
51-53

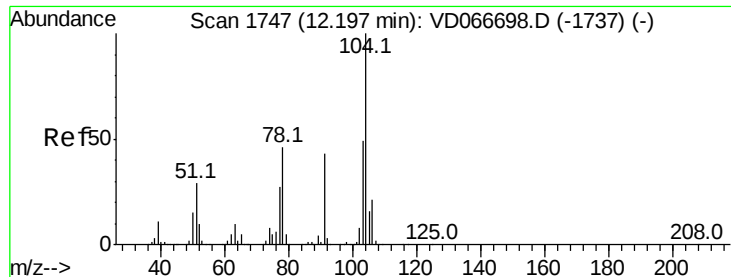
Tot Ion:106 Resp: 911623  
Ion Ratio Lower Upper  
106 100  
91 203.5 164.8 247.2



#69  
o-Xylene  
Concen: 33.482 ug/l  
RT: 12.18 min Scan# 1744  
Delta R.T. 0.00 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

Tgt Ion:106 Resp: 278948  
Ion Ratio Lower Upper  
106 100  
91 219.7 109.4 328.2

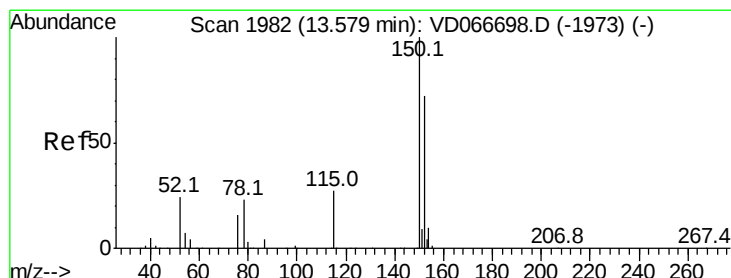
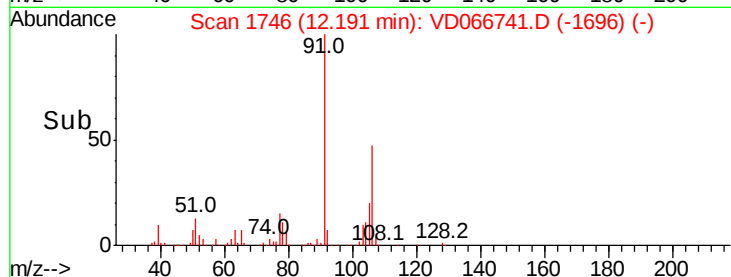
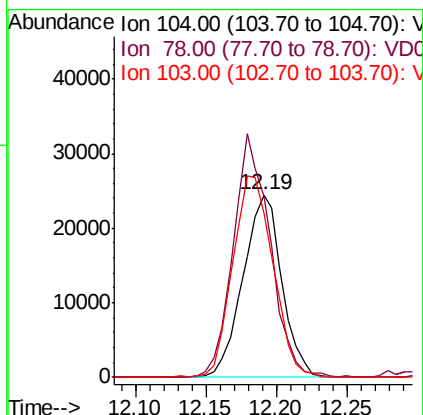
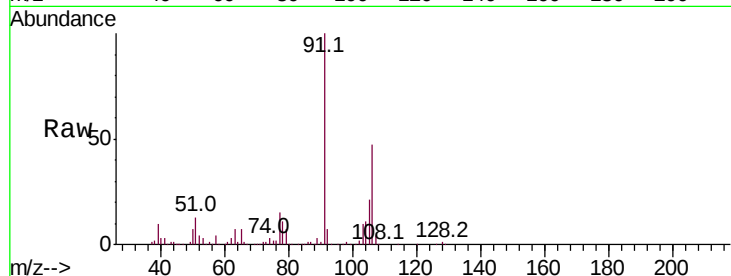




#70  
Stvrene  
Concen: 3.217 ug/l  
RT: 12.19 min Scan# 1746  
Delta R.T. -0.01 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

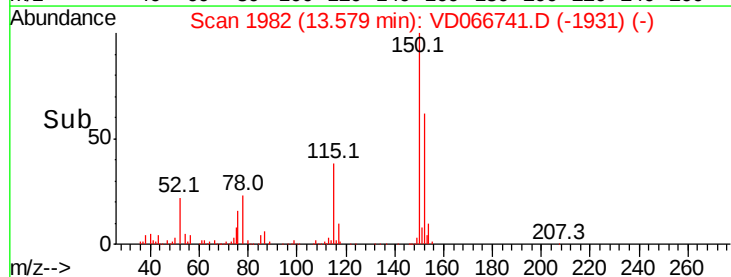
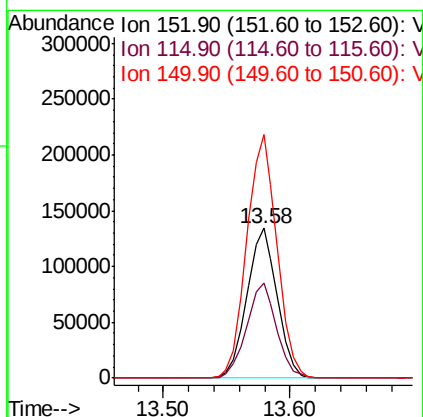
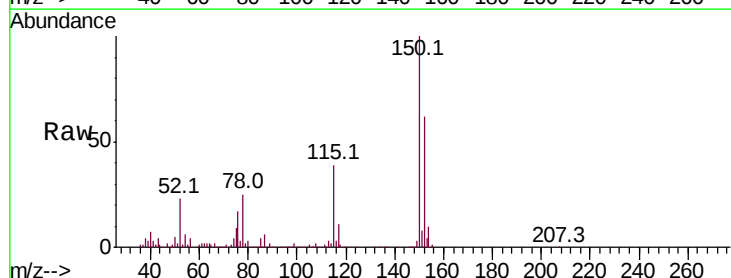
Instrument :  
MSVOA\_D  
ClientSampled :  
51-53

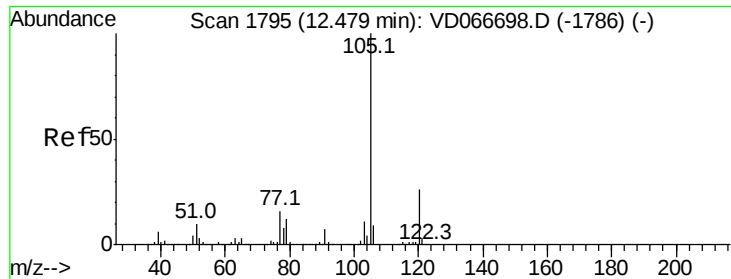
Tot Ion:104 Resp: 47168  
Ion Ratio Lower Upper  
104 100  
78 126.0 40.2 60.4#  
103 114.3 42.5 63.7#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

Tgt Ion:152 Resp: 221787  
Ion Ratio Lower Upper  
152 100  
115 63.5 30.5 91.5  
150 162.3 0.0 344.6





#73

Isopropylbenzene

Concen: 1.577 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA\_D

ClientSampleId :

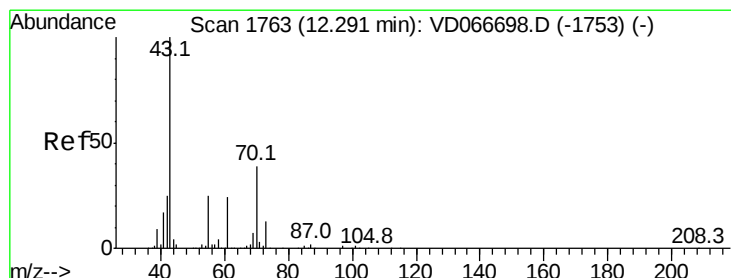
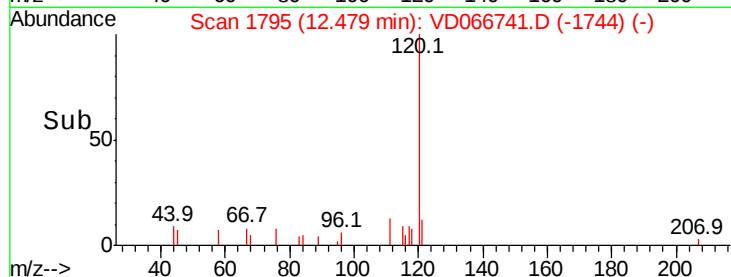
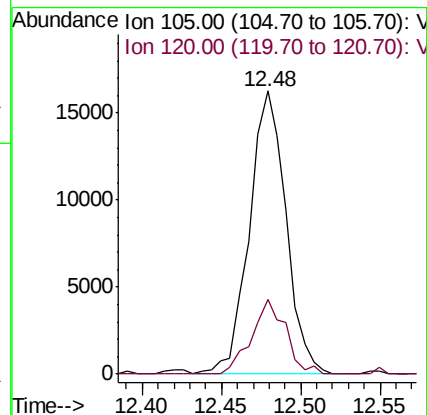
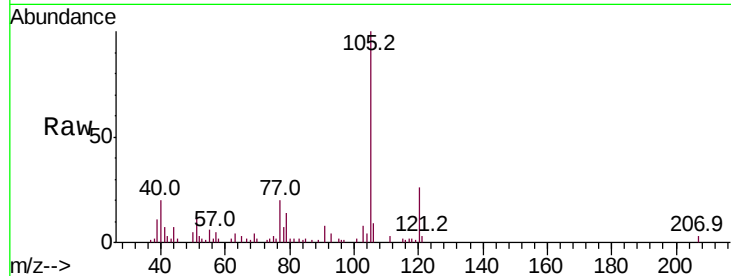
51-53

Tot Ion:105 Resp: 26116

Ion Ratio Lower Upper

105 100

120 24.8 13.1 39.1



#74

N-ethyl acetate

Concen: 1.385 ug/l

RT: 12.34 min Scan# 1772

Delta R.T. 0.05 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Tgt Ion: 43 Resp: 4836

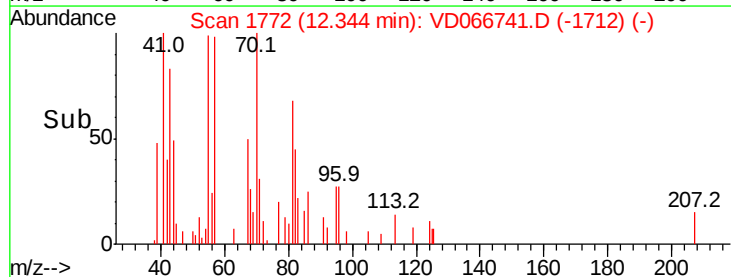
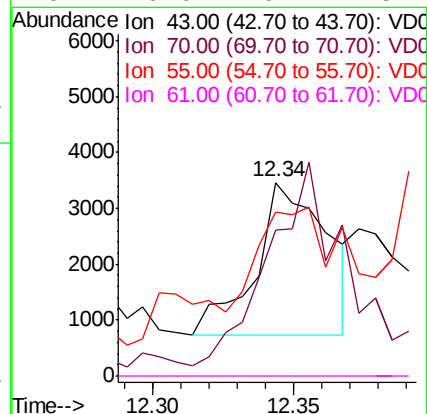
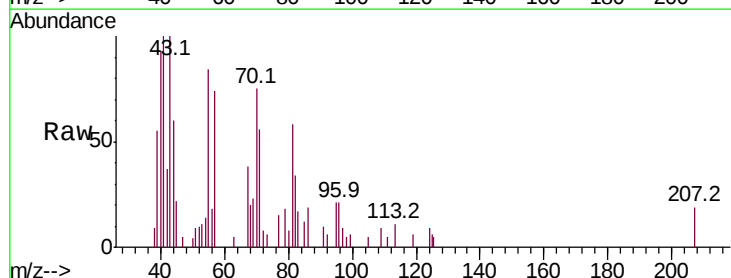
Ion Ratio Lower Upper

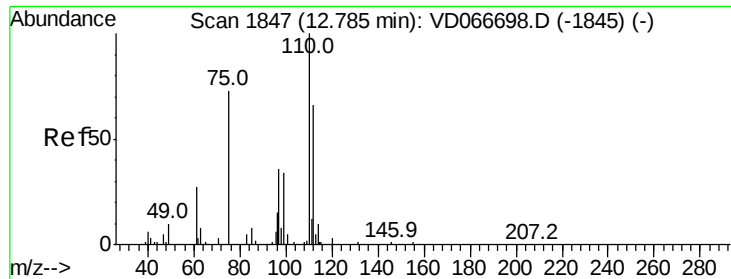
43 100

70 150.4 33.0 49.4#

55 100.6 20.6 30.8#

61 0.0 19.1 28.7#





#76

1,2,3-Trichloropropane

Concen: 79.002 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA\_D

ClientSampleId :

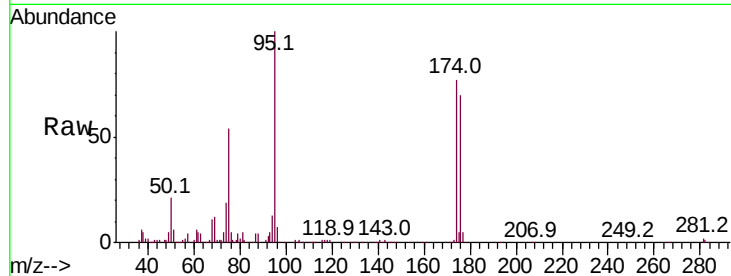
51-53

Tot Ion: 75 Resp: 149979

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

100000

80000

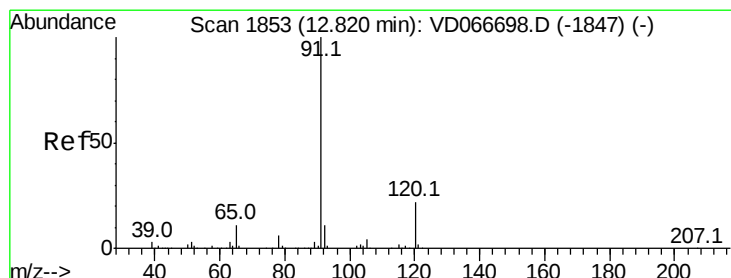
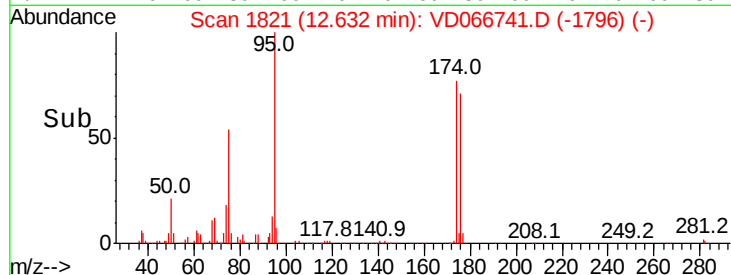
60000

40000

20000

0

Time-->



#78

n-propylbenzene

Concen: 2.718 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066741.D

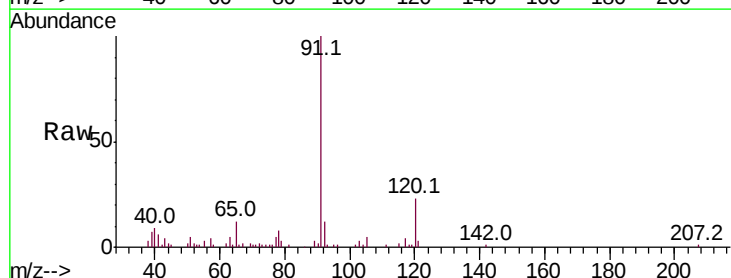
Acq: 17 Sep 2020 13:42

Tgt Ion: 91 Resp: 54860

Ion Ratio Lower Upper

91 100

120 22.6 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

12.82

40000

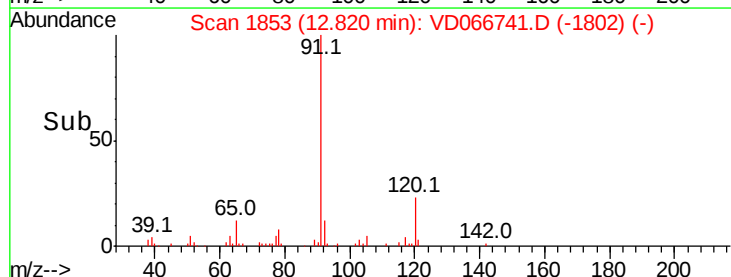
30000

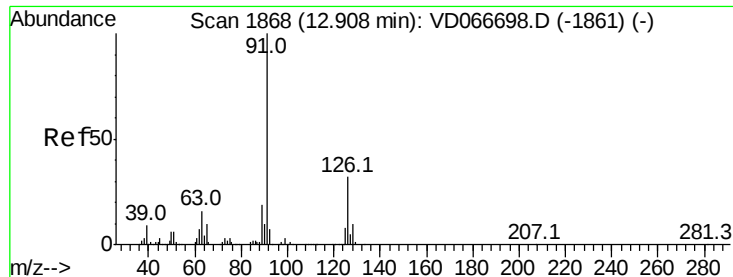
20000

10000

0

Time-->





#79

2-Chlorotoluene

Concen: 2.378 ug/l

RT: 12.88 min Scan# 1864

Delta R.T. -0.02 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA\_D

ClientSampleId :

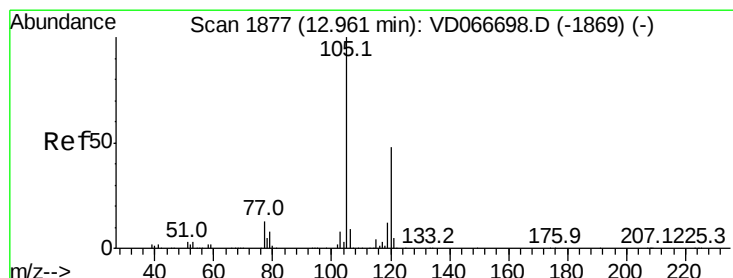
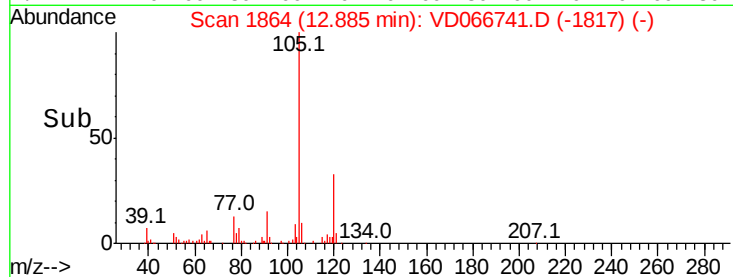
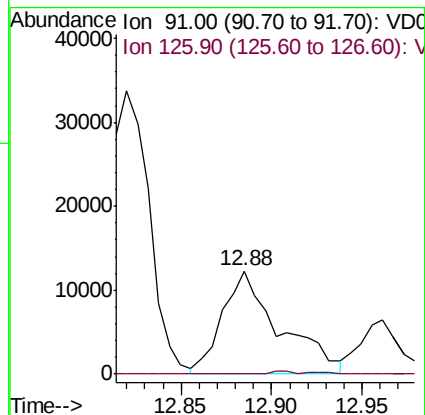
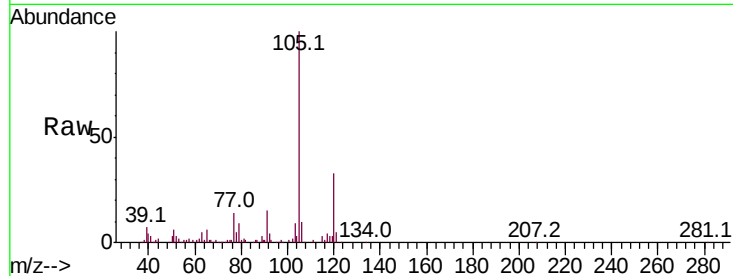
51-53

Tot Ion: 91 Resp: 27141

Ion Ratio Lower Upper

91 100

126 0.8 16.2 48.6#



#80

1,3,5-Trimethylbenzene

Concen: 5.413 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066741.D

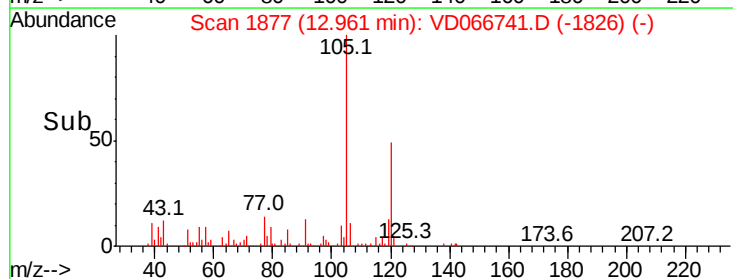
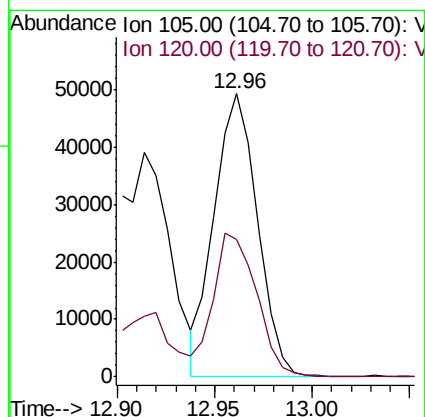
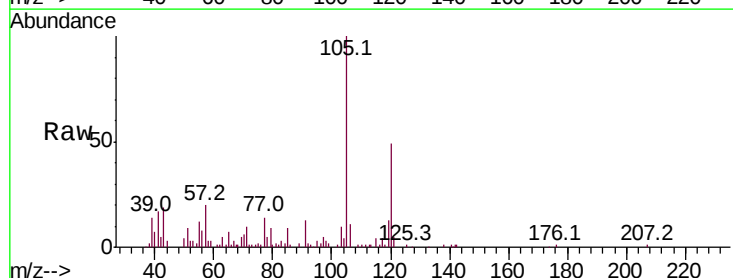
Acq: 17 Sep 2020 13:42

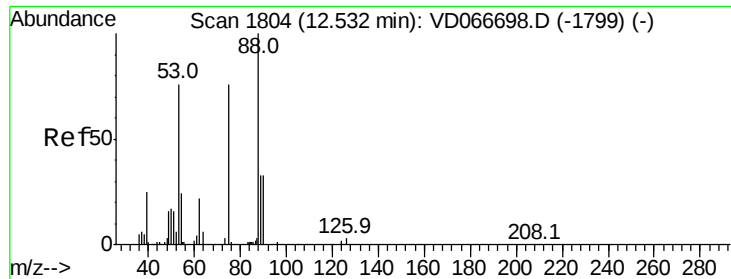
Tgt Ion: 105 Resp: 75774

Ion Ratio Lower Upper

105 100

120 50.9 23.9 71.7

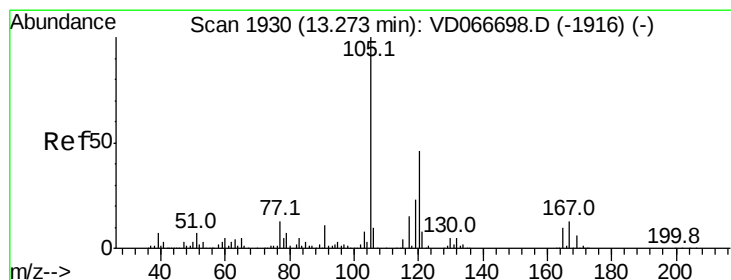
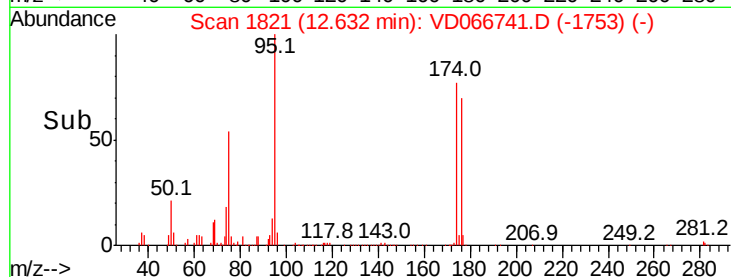
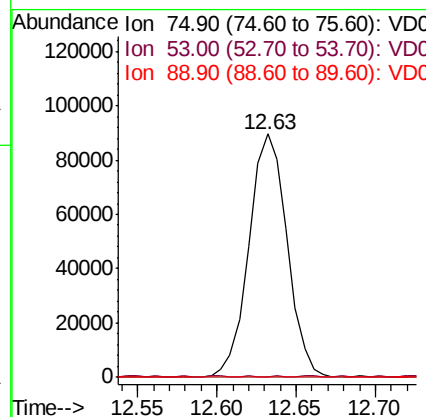
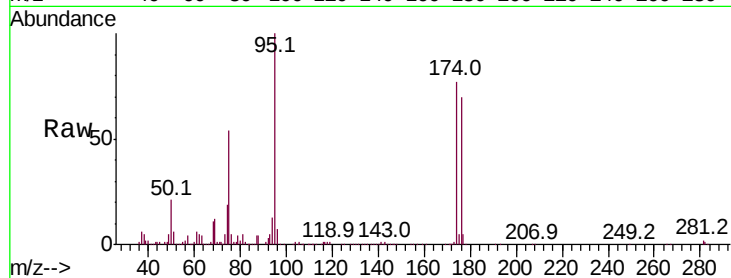




#81  
trans-1,4-Dichloro-2-butene  
Concen: 170.501 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. 0.10 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

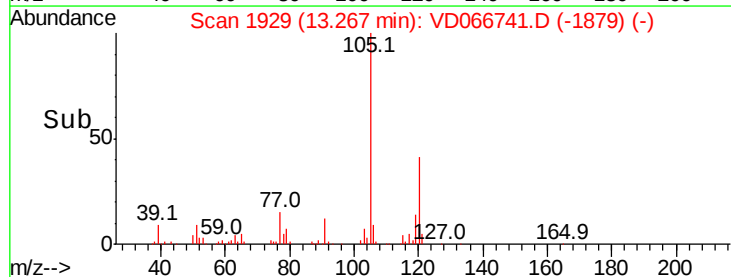
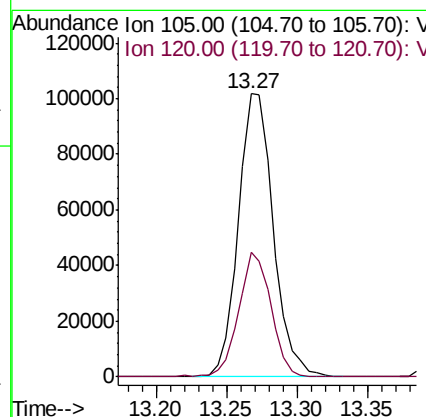
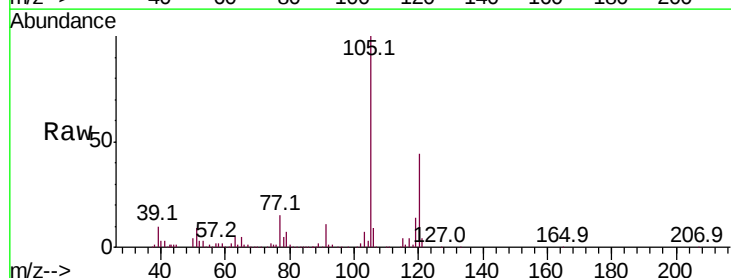
Instrument :  
MSVOA\_D  
ClientSampleId :  
51-53

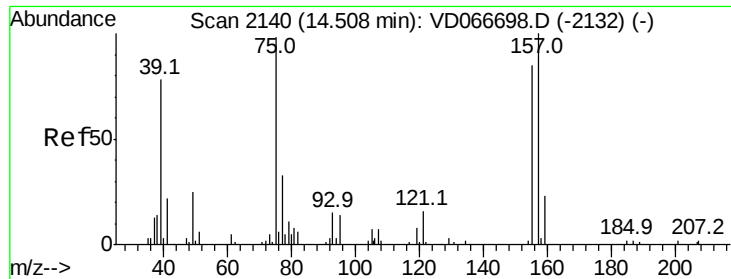
Tot Ion: 75 Resp: 149979  
Ion Ratio Lower Upper  
75 100  
53 0.1 82.2 123.4#  
89 0.0 39.6 59.4#



#84  
1,2,4-Trimethylbenzene  
Concen: 12.593 ug/l  
RT: 13.27 min Scan# 1929  
Delta R.T. -0.01 min  
Lab File: VD066741.D  
Acq: 17 Sep 2020 13:42

Tgt Ion:105 Resp: 176185  
Ion Ratio Lower Upper  
105 100  
120 40.8 22.4 67.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.154 ug/l

RT: 14.50 min Scan# 2138

Delta R.T. -0.01 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA\_D

ClientSampled :

51-53

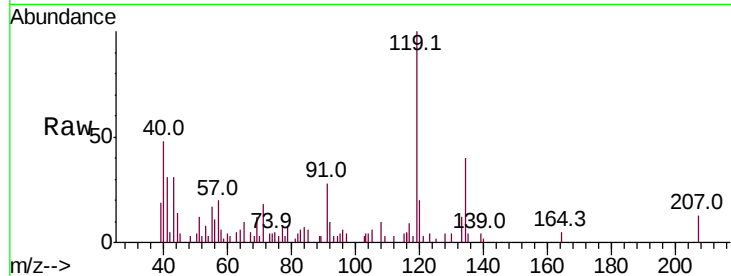
Tot Ion: 75 Resp: 525

Ion Ratio Lower Upper

75 100

155 0.0 38.9 116.7#

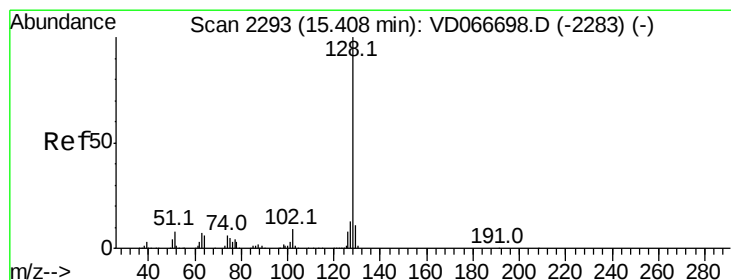
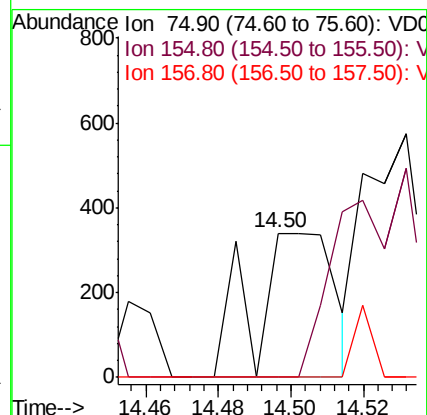
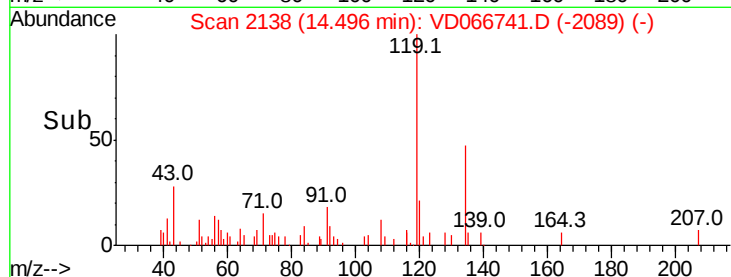
157 0.0 46.4 139.2#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 28.118 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

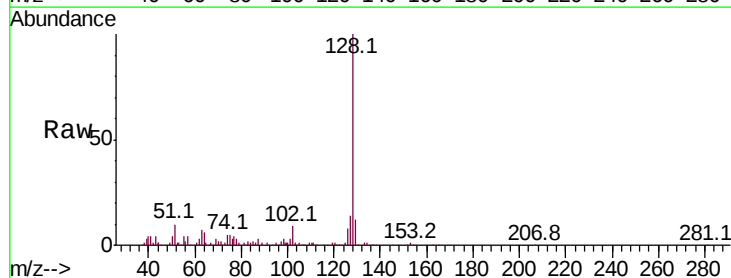
Tgt Ion: 128 Resp: 186398

Ion Ratio Lower Upper

128 100

127 15.2 10.5 15.7

129 14.8 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

