

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052021\  
 Data File : VD069221.D  
 Acq On : 20 May 2021 16:23  
 Operator : VA/SY  
 Sample : M2432-02  
 Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 21 00:55:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 13 04:01:29 2021  
 Response via : Initial Calibration

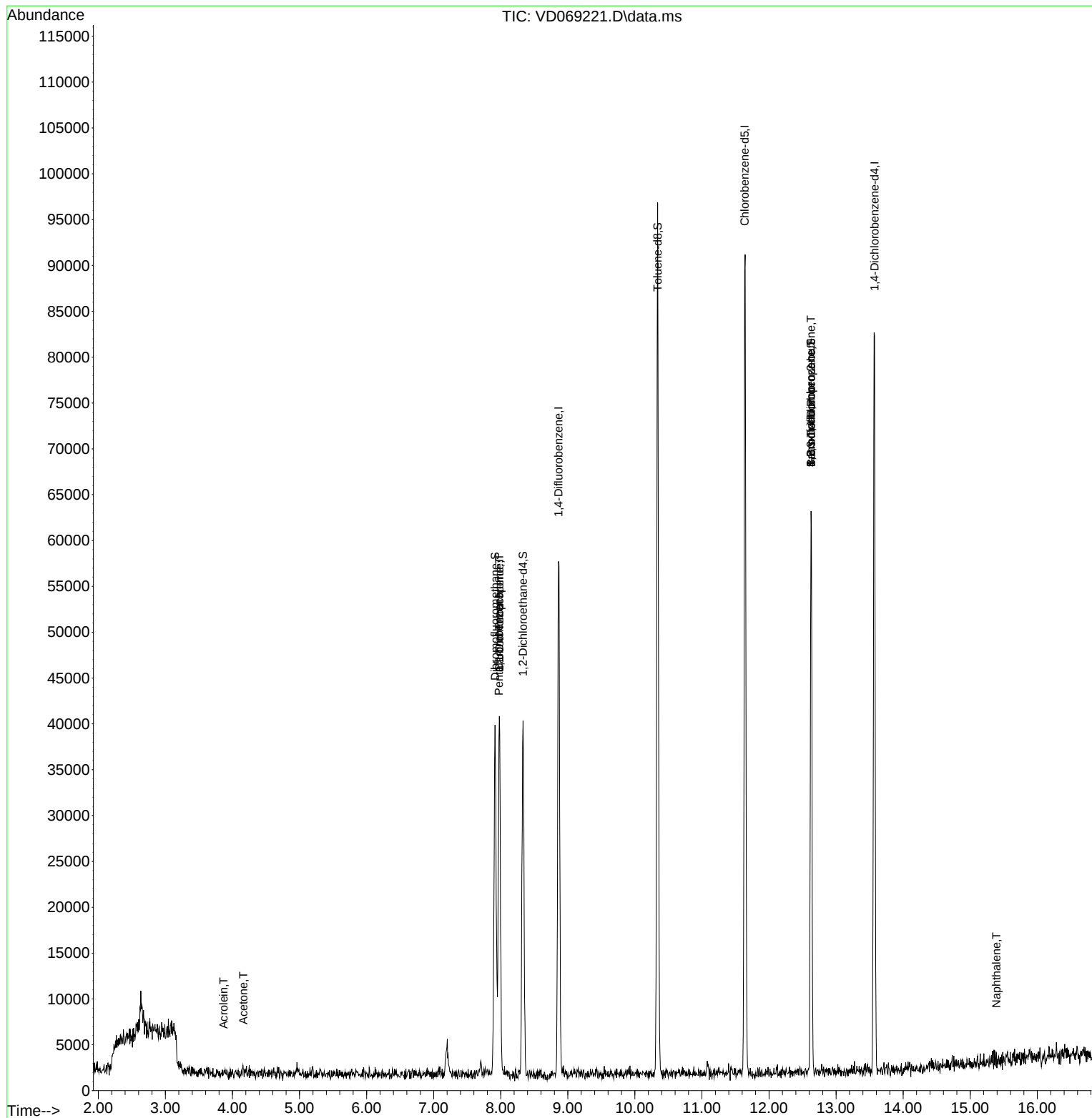
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.973          | 168  | 28266               | 50.00     | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 49497               | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 54095               | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573         | 152  | 23365               | 50.00     | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 30472               | 107.54    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 215.08%# |           |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 26602               | 82.59     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 165.18%# |           |        |          |
| 50) Toluene-d8                | 10.338         | 98   | 64006               | 54.08     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 108.16%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.626         | 95   | 19480               | 51.15     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 102.30%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
| 11) Tert butyl alcohol        | 5.185          | 59   | 83                  | Below Cal | #      | 73       |
| 13) Acrolein                  | 3.868          | 56   | 64                  | 2.78      | ug/l # | 14       |
| 16) Acetone                   | 4.162          | 43   | 371                 | 8.55      | ug/l # | 41       |
| 20) Methylene Chloride        | 4.973          | 84   | 368                 | Below Cal | #      | 33       |
| 36) 1,1-Dichloropropene       | 7.979          | 75   | 2347                | 4.88      | ug/l # | 40       |
| 38) Carbon Tetrachloride      | 7.979          | 117  | 3139                | 5.84      | ug/l # | 12       |
| 71) Bromoform                 | 12.626         | 173  | 306                 | 1.39      | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.626         | 75   | 9804                | 55.82     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.626         | 75   | 9804                | 112.75    | ug/l # | 14       |
| 95) Naphthalene               | 15.391         | 128  | 198                 | 2.29      | ug/l # | 69       |
| -----                         |                |      |                     |           |        |          |

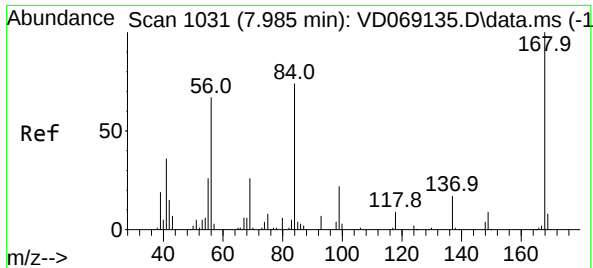
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052021\  
Data File : VD069221.D  
Acq On : 20 May 2021 16:23  
Operator : VA/SY  
Sample : M2432-02  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: May 21 00:55:05 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 13 04:01:29 2021  
Response via : Initial Calibration

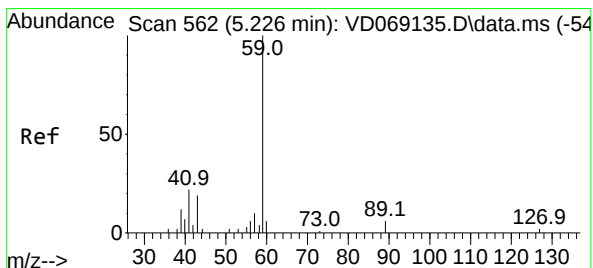
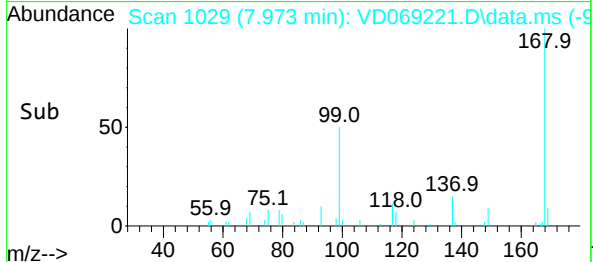
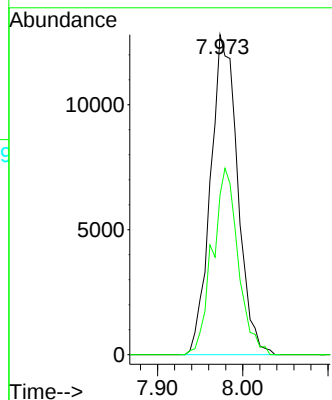
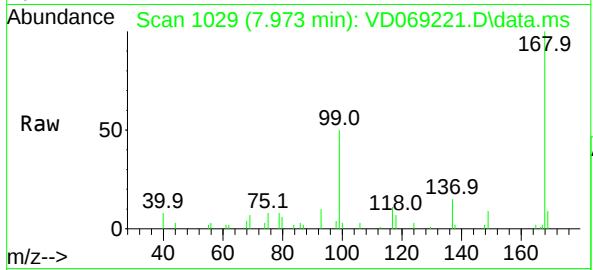




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.012 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

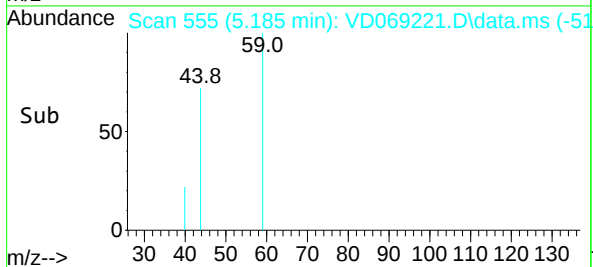
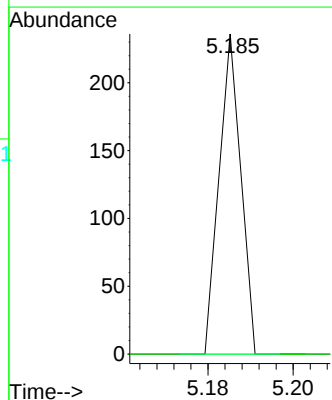
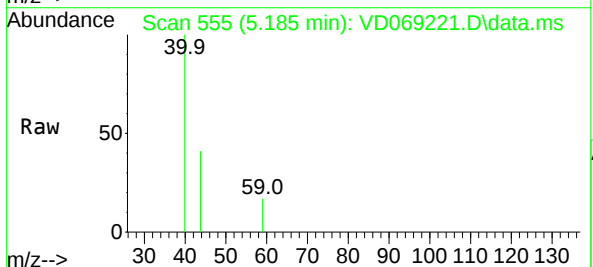
Instrument :  
MSVOA\_D  
ClientSampled :

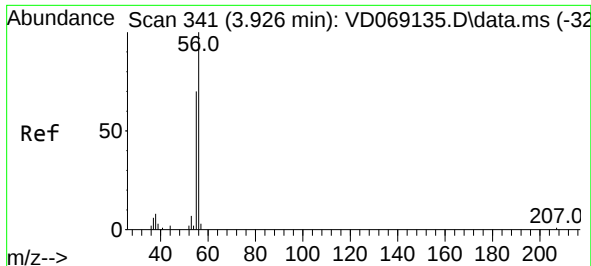
Tgt Ion:168 Resp: 28266  
Ion Ratio Lower Upper  
168 100  
99 50.0 47.2 70.8



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.185 min Scan# 555  
Delta R.T. -0.041 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

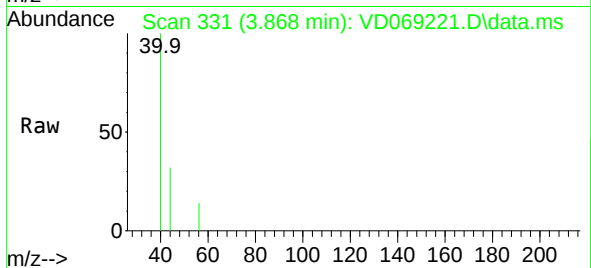
Tgt Ion: 59 Resp: 83  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



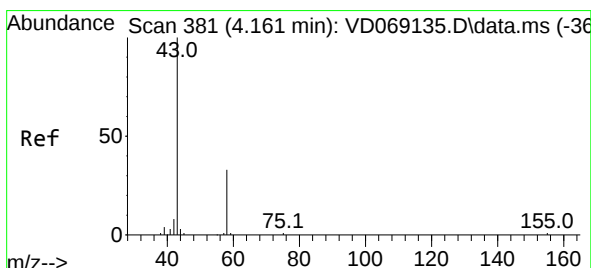
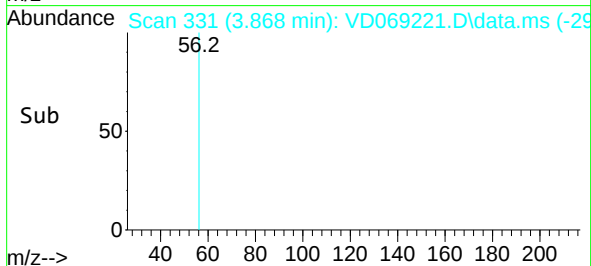
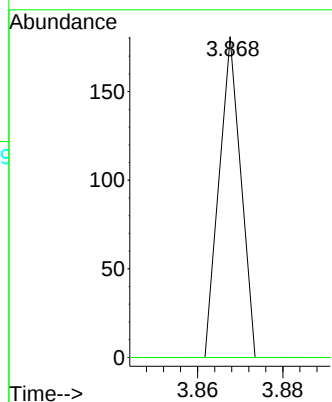


#13  
Acrolein  
Concen: 2.78 ug/l  
RT: 3.868 min Scan# 331  
Delta R.T. -0.058 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

Instrument :  
MSVOA\_D  
ClientSampleId :

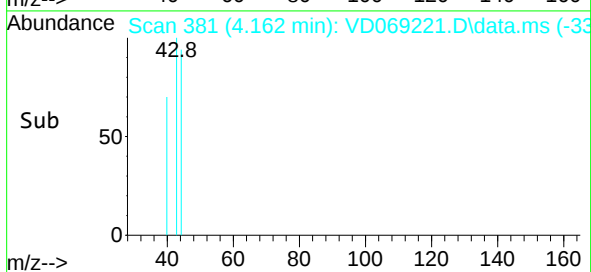
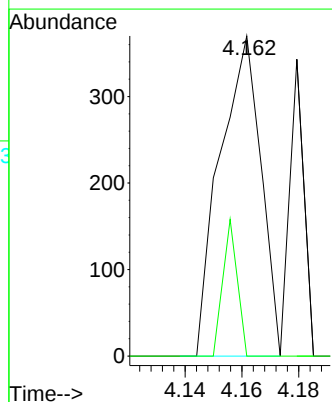
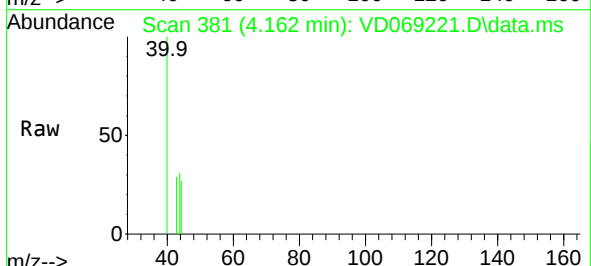


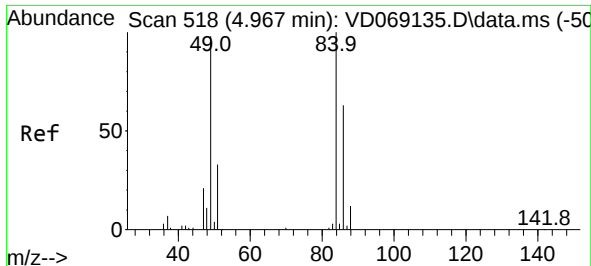
Tgt Ion: 56 Resp: 64  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.9 85.3#



#16  
Acetone  
Concen: 8.55 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.000 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

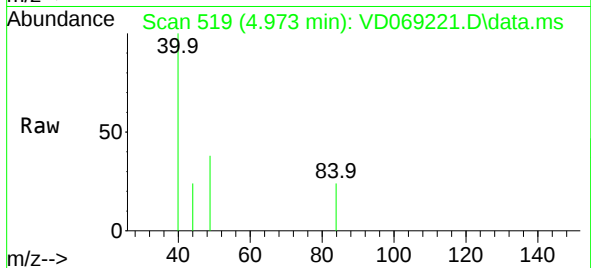
Tgt Ion: 43 Resp: 371  
Ion Ratio Lower Upper  
43 100  
58 0.0 26.7 40.1#



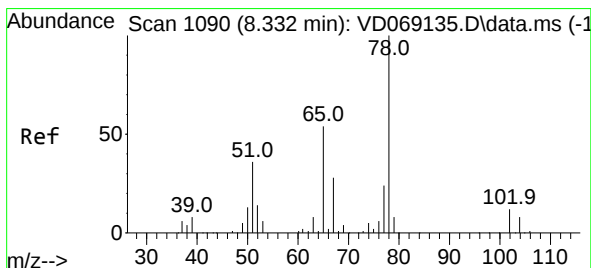
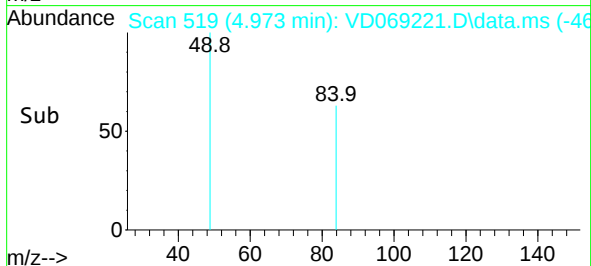
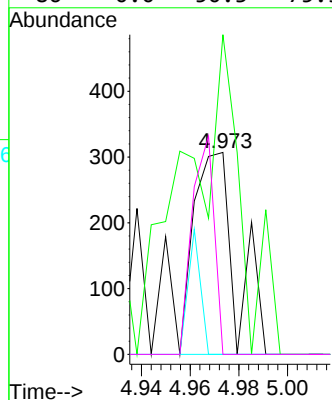


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.973 min Scan# 519  
Delta R.T. 0.006 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

Instrument :  
MSVOA\_D  
ClientSampled :

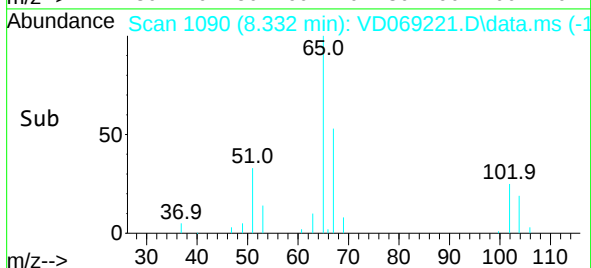
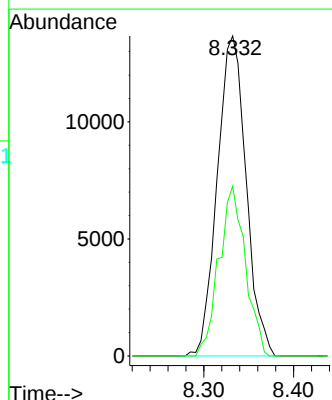
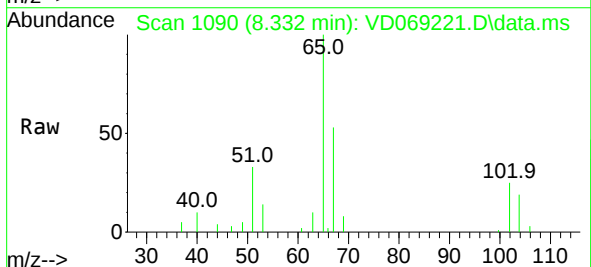


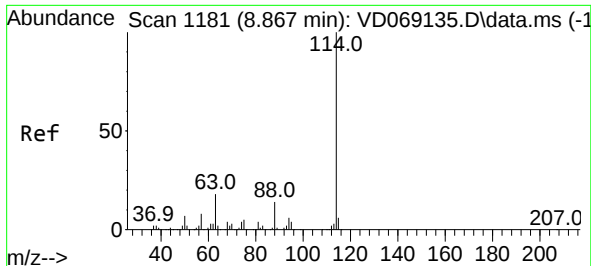
Tgt Ion: 84 Resp: 368  
Ion Ratio Lower Upper  
84 100  
49 158.3 78.6 117.8#  
51 0.0 26.7 40.1#  
86 0.0 50.3 75.5#



#33  
1,2-Dichloroethane-d4  
Concen: 107.54 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

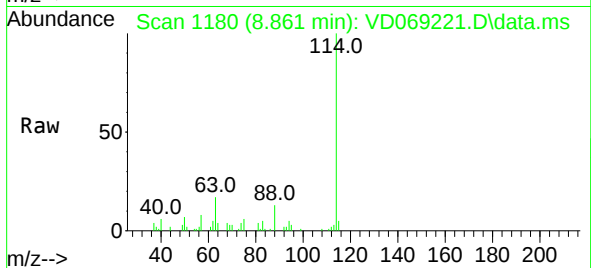
Tgt Ion: 65 Resp: 30472  
Ion Ratio Lower Upper  
65 100  
67 48.8 0.0 108.0



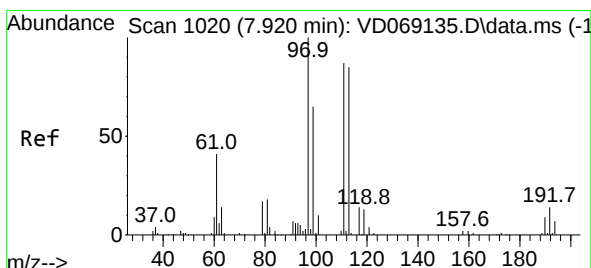
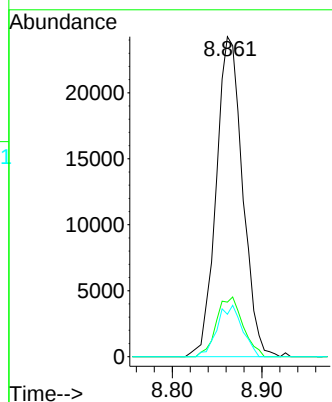
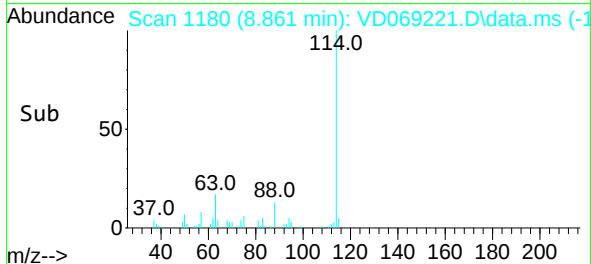


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.005 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

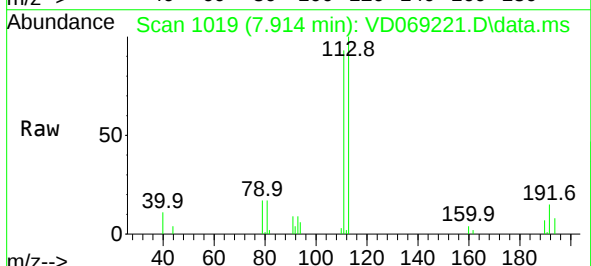
Instrument :  
MSVOA\_D  
ClientSampleId :



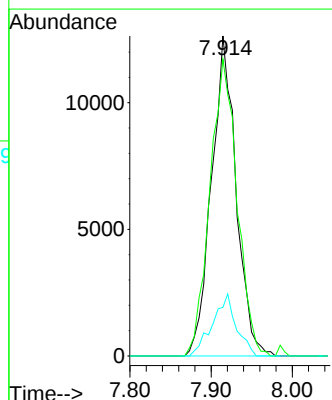
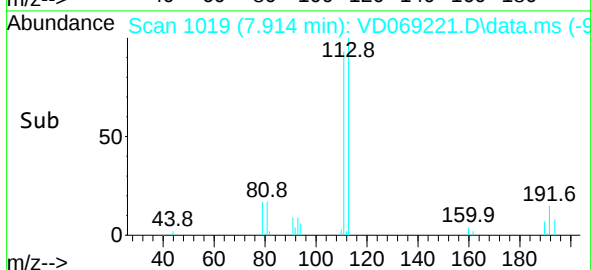
Tgt Ion:114 Resp: 49497  
Ion Ratio Lower Upper  
114 100  
63 17.1 0.0 36.4  
88 13.2 0.0 28.2

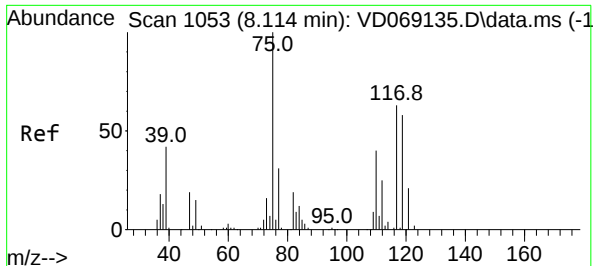


#35  
Dibromofluoromethane  
Concen: 82.59 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.005 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23



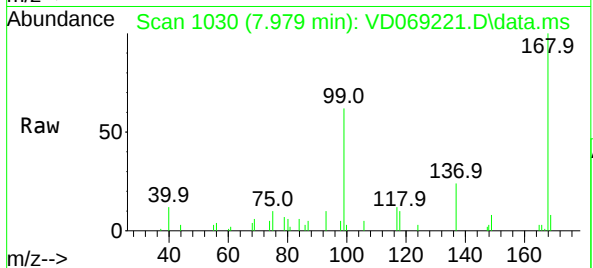
Tgt Ion:113 Resp: 26602  
Ion Ratio Lower Upper  
113 100  
111 102.4 80.6 120.8  
192 18.7 14.8 22.2



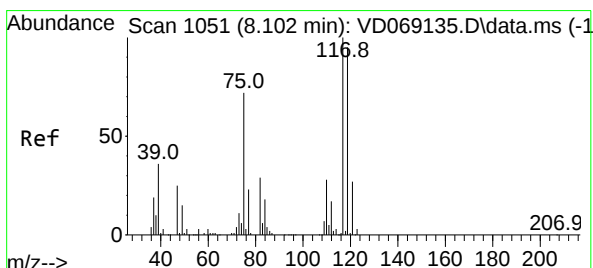
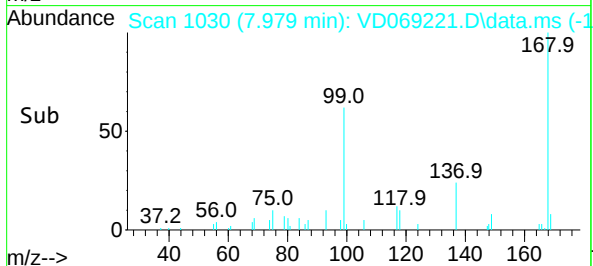
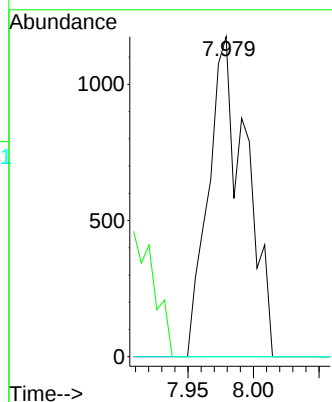


#36  
1,1-Dichloropropene  
Concen: 4.88 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.135 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

Instrument :  
MSVOA\_D  
ClientSampled :

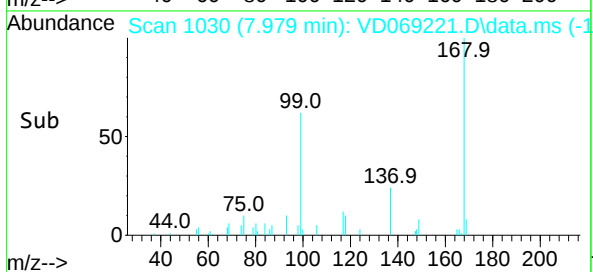
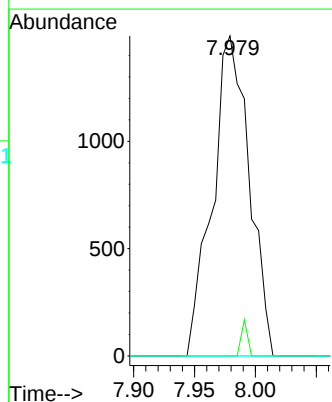
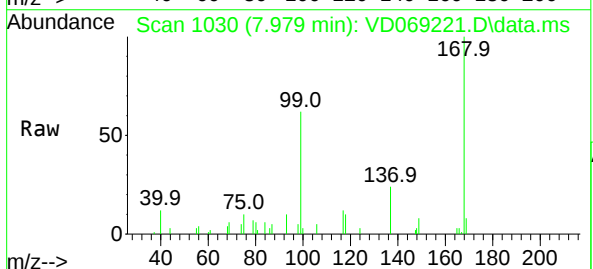


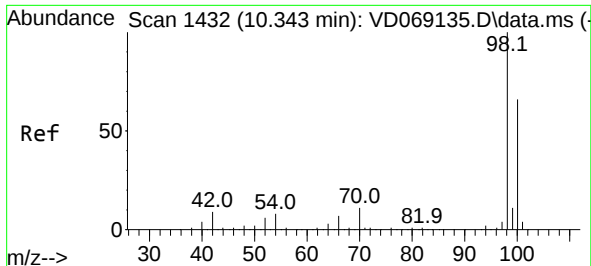
Tgt Ion: 75 Resp: 2347  
Ion Ratio Lower Upper  
75 100  
110 0.0 18.8 56.4#  
77 0.0 25.2 37.8#



#38  
Carbon Tetrachloride  
Concen: 5.84 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.123 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

Tgt Ion: 117 Resp: 3139  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.2 114.2#  
121 0.0 21.9 32.9#

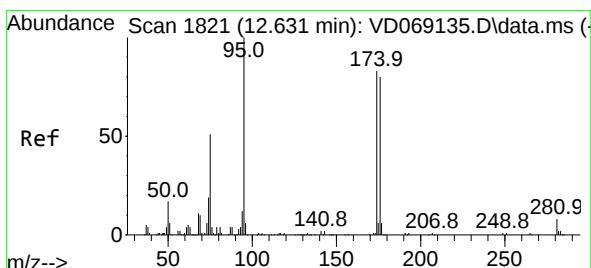
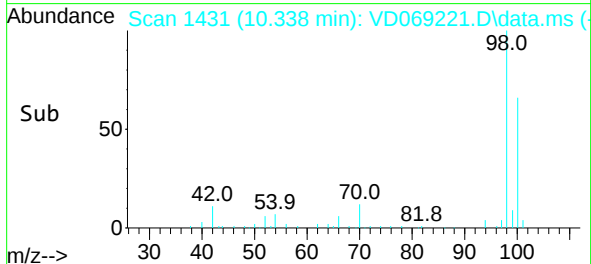
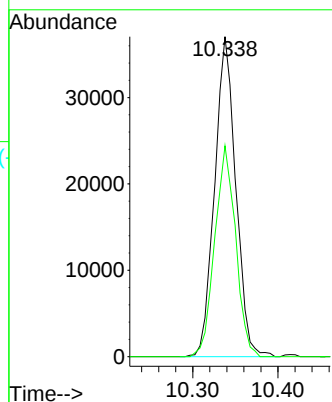
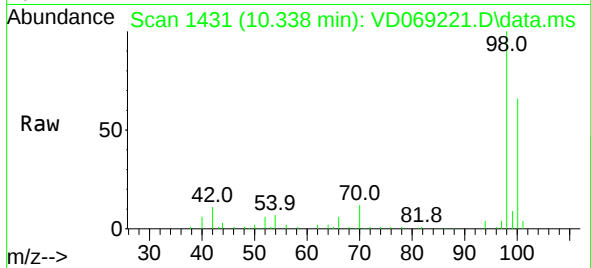




#50  
Toluene-d8  
Concen: 54.08 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.005 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

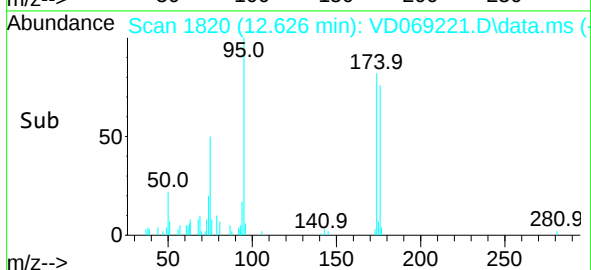
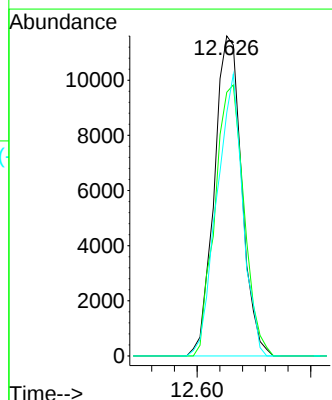
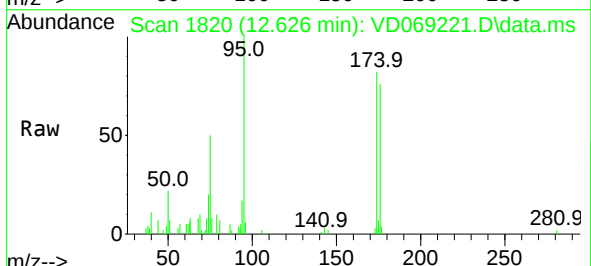
Instrument :  
MSVOA\_D  
ClientSampleId :

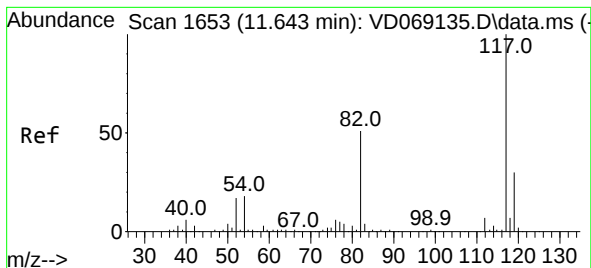
Tgt Ion: 98 Resp: 64006  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.8 77.8



#62  
4-Bromofluorobenzene  
Concen: 51.15 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.005 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

Tgt Ion: 95 Resp: 19480  
Ion Ratio Lower Upper  
95 100  
174 89.6 0.0 171.8  
176 83.1 0.0 165.4

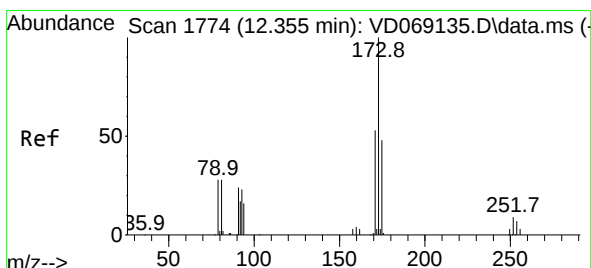
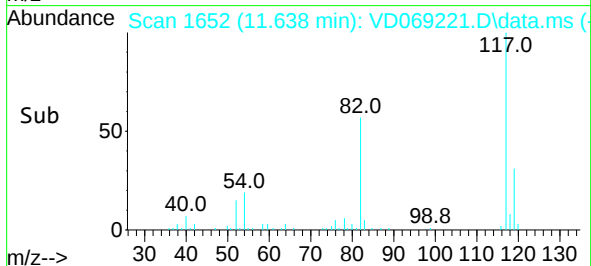
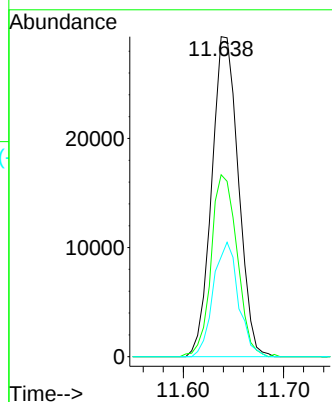
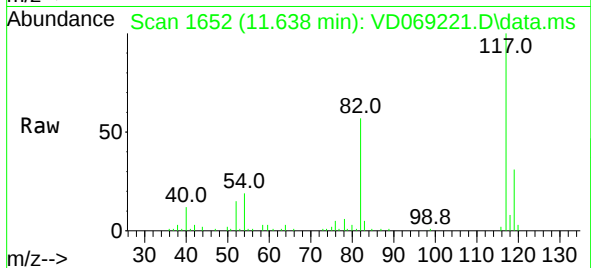




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.005 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

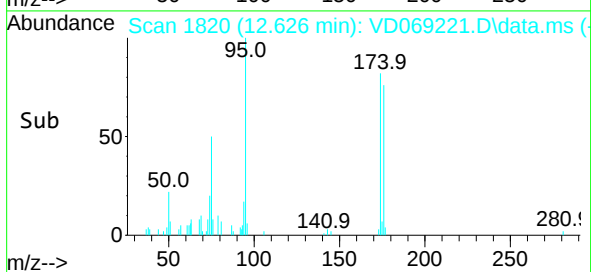
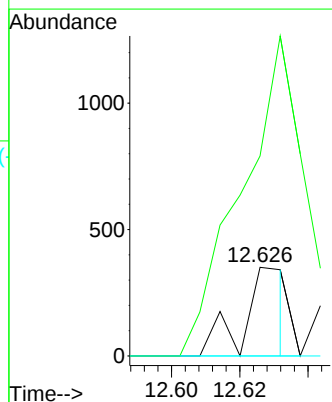
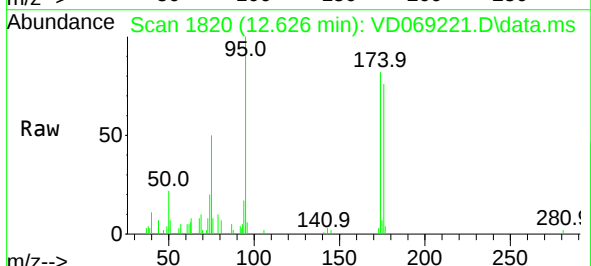
Instrument :  
MSVOA\_D  
ClientSampleId :

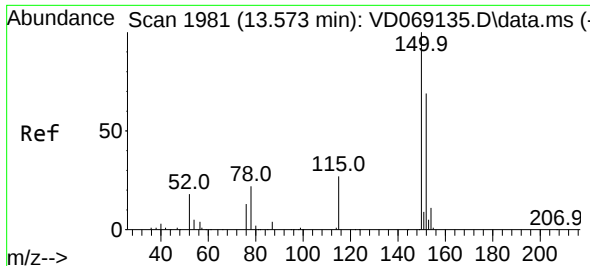
Tgt Ion:117 Resp: 54095  
Ion Ratio Lower Upper  
117 100  
82 56.9 40.5 60.7  
119 31.2 24.2 36.4



#71  
Bromoform  
Concen: 1.39 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.271 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

Tgt Ion:173 Resp: 306  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.3 73.0#  
254 0.0 0.0 0.0

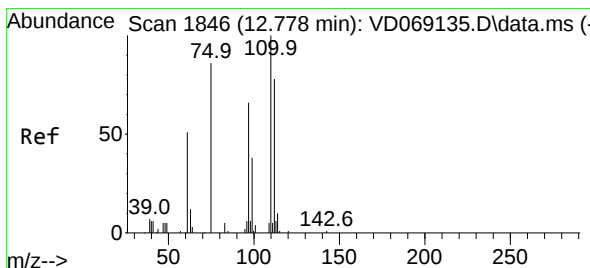
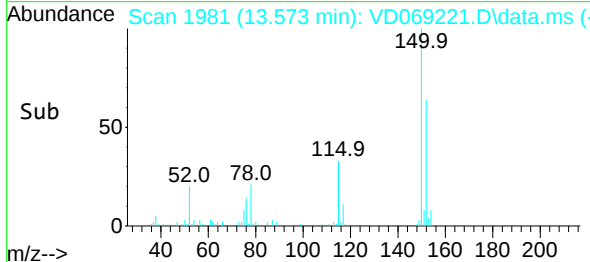
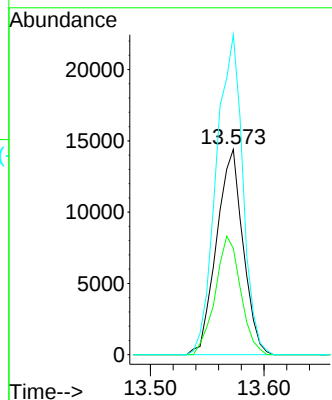
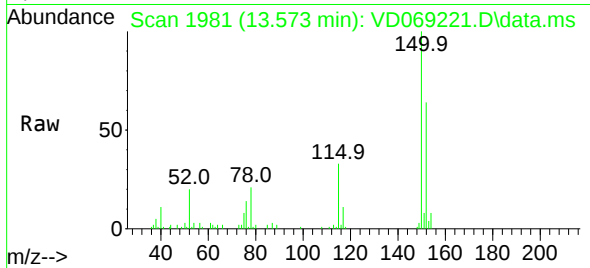




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

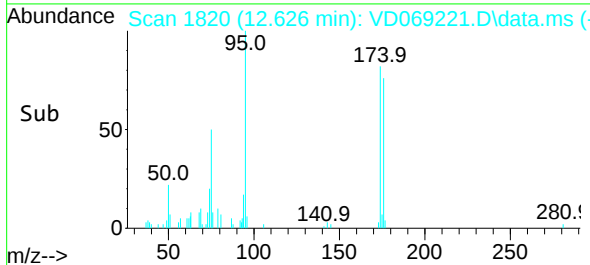
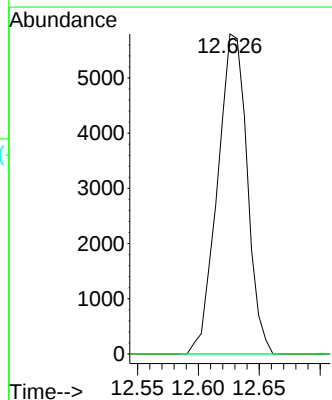
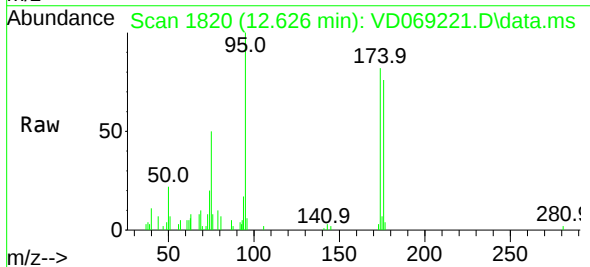
Instrument :  
MSVOA\_D  
ClientSampleId :

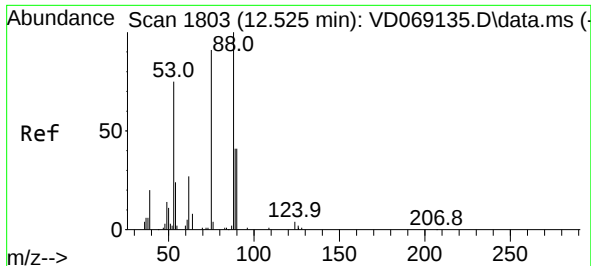
Tgt Ion:152 Resp: 23365  
Ion Ratio Lower Upper  
152 100  
115 55.2 29.9 89.8  
150 155.9 0.0 350.2



#76  
1,2,3-Trichloropropane  
Concen: 55.82 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.152 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

Tgt Ion: 75 Resp: 9804  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

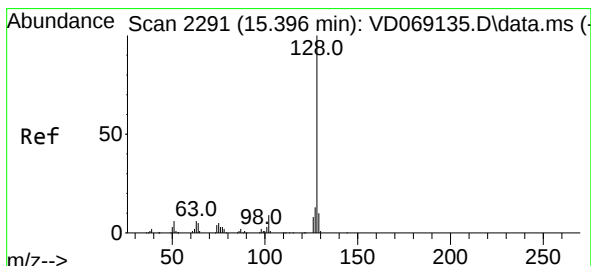
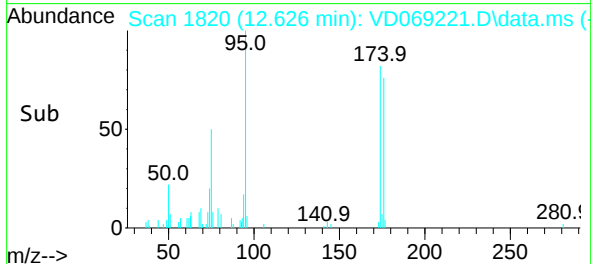
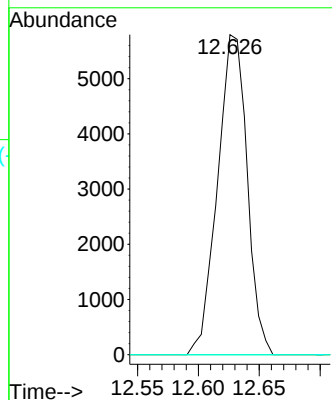
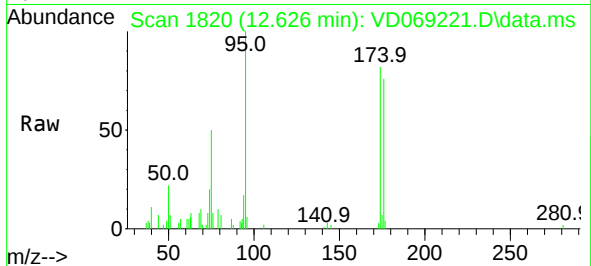




#81  
trans-1,4-Dichloro-2-butene  
Concen: 112.75 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.100 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 9804  
Ion Ratio Lower Upper  
75 100  
53 0.0 70.0 105.0#  
89 0.0 40.2 60.2#



#95  
Naphthalene  
Concen: 2.29 ug/l  
RT: 15.391 min Scan# 2290  
Delta R.T. -0.005 min  
Lab File: VD069221.D  
Acq: 20 May 2021 16:23

Tgt Ion: 128 Resp: 198  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.5 15.7#  
129 0.0 8.9 13.3#

