

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041921\  
 Data File : VD068909.D  
 Acq On : 19 Apr 2021 19:52  
 Operator : VA/SY  
 Sample : M2076-16  
 Misc : 5.02G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-18-0-2.0

Quant Time: Apr 20 00:55:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 08 03:50:31 2021  
 Response via : Initial Calibration

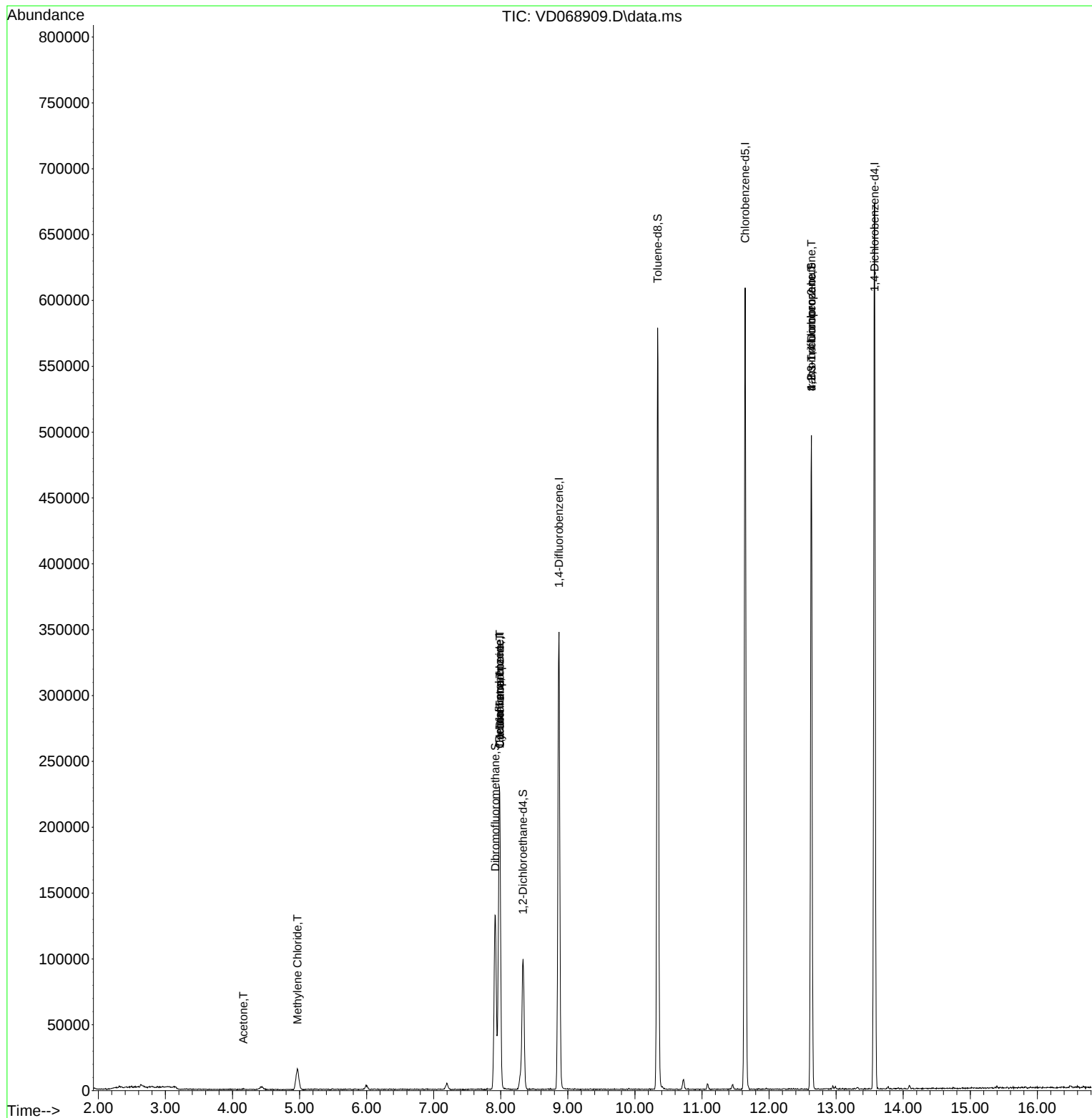
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 180347     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 317074     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.644         | 117  | 360811     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573         | 152  | 182816     | 50.00   | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 79545      | 41.73   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 83.46%  |        |          |
| 35) Dibromofluoromethane      | 7.920          | 113  | 98014      | 47.52   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 95.04%  |        |          |
| 50) Toluene-d8                | 10.338         | 98   | 403231     | 51.83   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 103.66% |        |          |
| 62) 4-Bromofluorobenzene      | 12.632         | 95   | 156269     | 60.48   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 120.96% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 16) Acetone                   | 4.162          | 43   | 620        | 2.35    | ug/l # | 70       |
| 20) Methylene Chloride        | 4.967          | 84   | 14125      | 1.99    | ug/l   | 91       |
| 31) Cyclohexane               | 7.985          | 56   | 3868       | 1.22    | ug/l # | 37       |
| 36) 1,1-Dichloropropene       | 7.985          | 75   | 13614      | 4.24    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.985          | 117  | 17053      | 5.37    | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.632         | 75   | 77833      | 46.60   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632         | 75   | 77833      | 108.15  | ug/l # | 16       |
| -----                         |                |      |            |         |        |          |

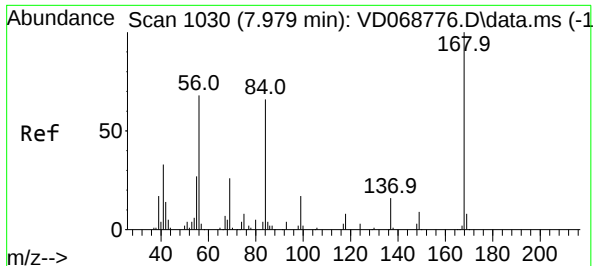
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-18-0-2.0

Quant Time: Apr 20 00:55:33 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 08 03:50:31 2021  
Response via : Initial Calibration

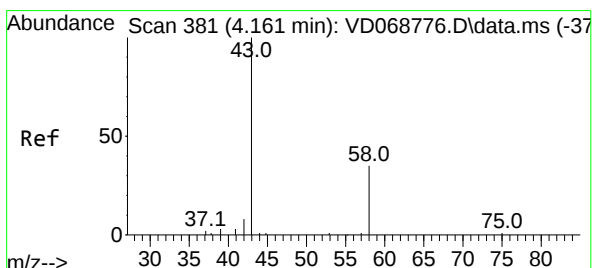
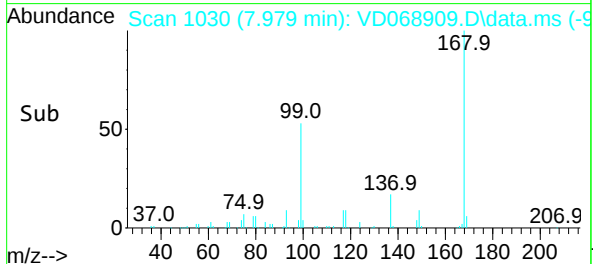
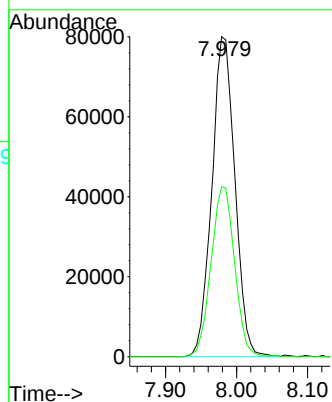
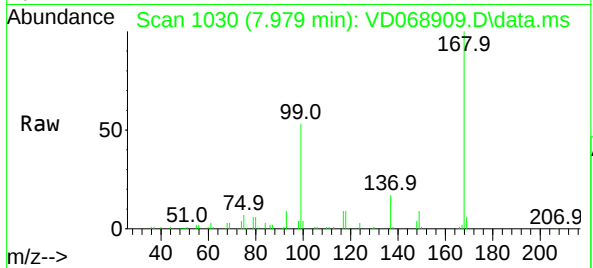




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD068909.D  
Acq: 19 Apr 2021 19:52

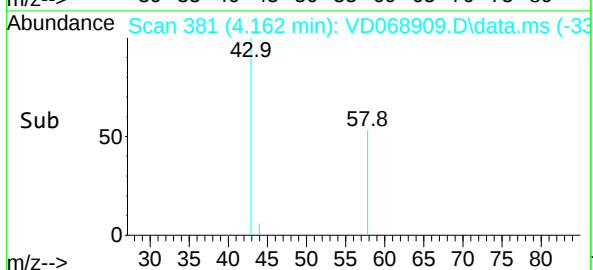
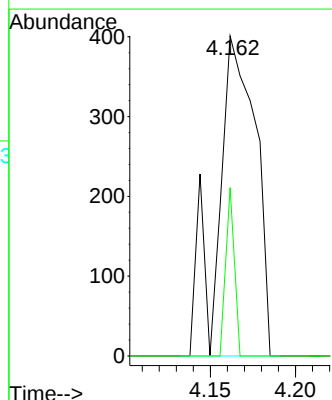
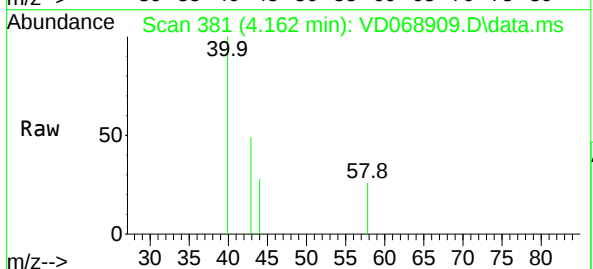
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-18-0-2.0

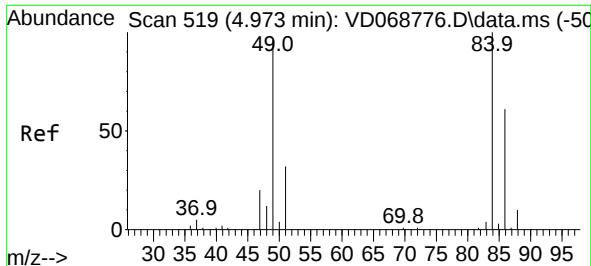
Tgt Ion:168 Resp: 180347  
Ion Ratio Lower Upper  
168 100  
99 53.1 46.2 69.2



#16  
Acetone  
Concen: 2.35 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.001 min  
Lab File: VD068909.D  
Acq: 19 Apr 2021 19:52

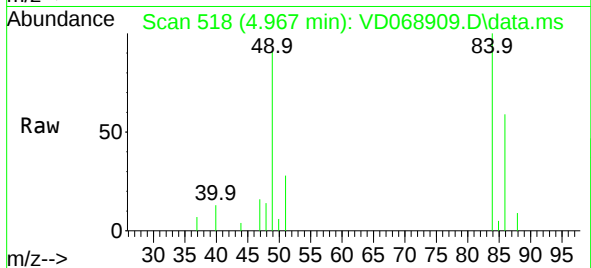
Tgt Ion: 43 Resp: 620  
Ion Ratio Lower Upper  
43 100  
58 52.6 28.0 42.0#



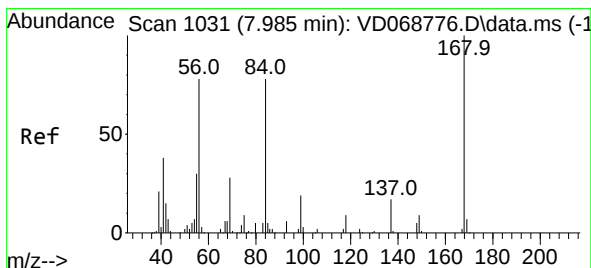
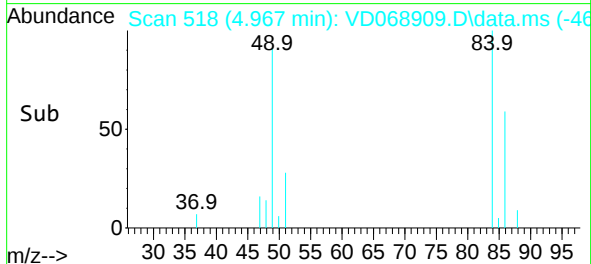
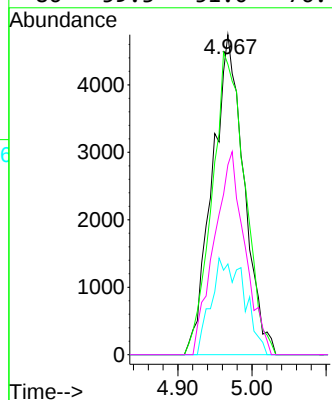


#20  
Methylene Chloride  
Concen: 1.99 ug/l  
RT: 4.967 min Scan# 518  
Delta R.T. -0.006 min  
Lab File: VD068909.D  
Acq: 19 Apr 2021 19:52

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-18-0-2.0

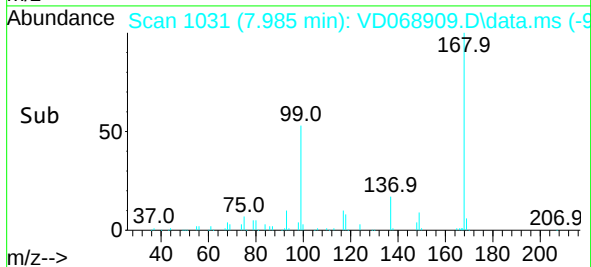
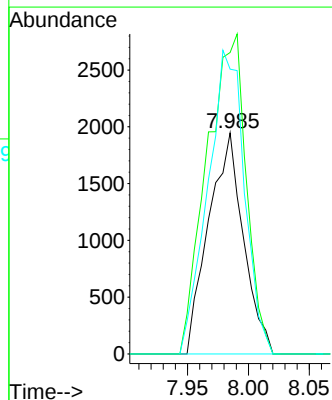
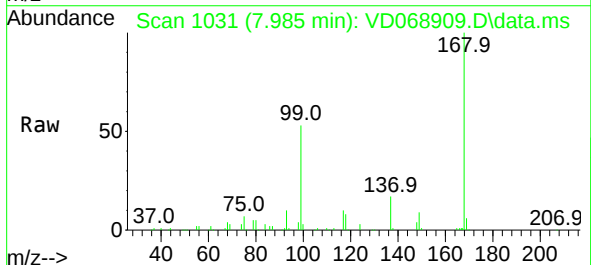


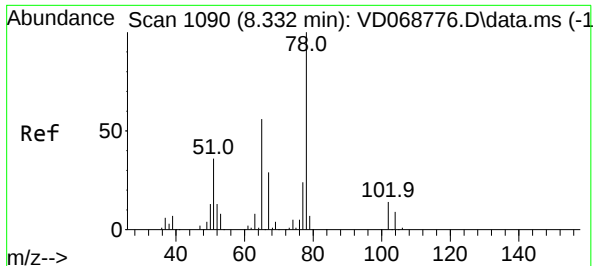
| Tgt Ion: | 84    | Resp: | 14125 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 90.8  | 83.4  | 125.0 |
| 51       | 28.4  | 23.4  | 35.2  |
| 86       | 59.3  | 51.0  | 76.4  |



#31  
Cyclohexane  
Concen: 1.22 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068909.D  
Acq: 19 Apr 2021 19:52

| Tgt Ion: | 56    | Resp: | 3868   |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 136.4 | 30.0  | 45.0#  |
| 84       | 128.8 | 82.0  | 123.0# |



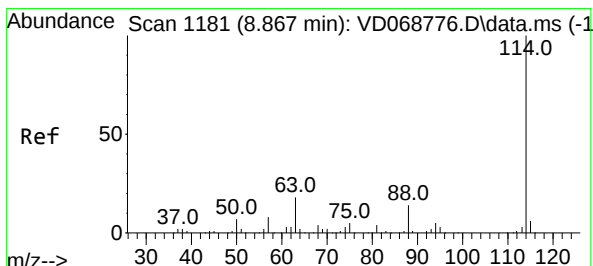
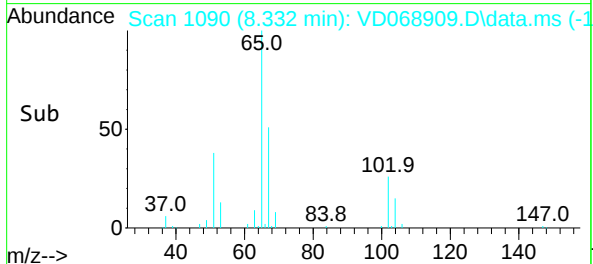
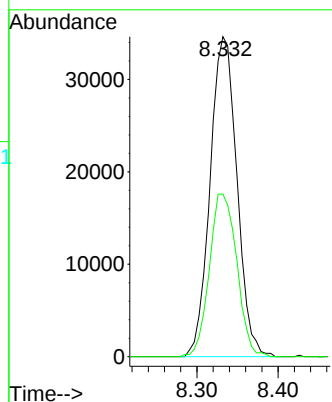
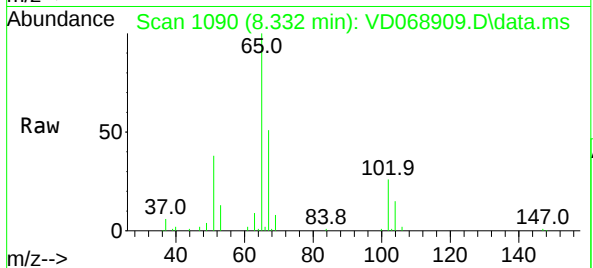


#33

1,2-Dichloroethane-d4  
Concen: 41.73 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD068909.D  
Acq: 19 Apr 2021 19:52

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-18-0-2.0

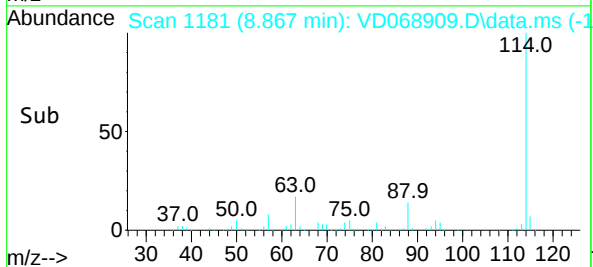
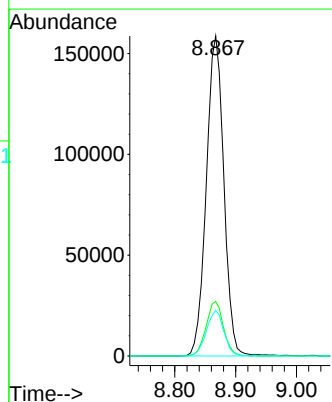
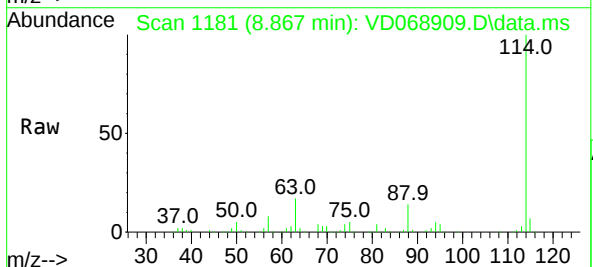
Tgt Ion: 65 Resp: 79545  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 106.0

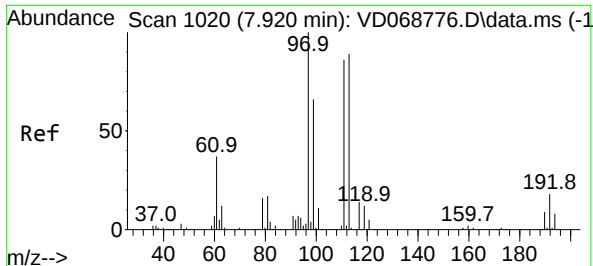


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068909.D  
Acq: 19 Apr 2021 19:52

Tgt Ion: 114 Resp: 317074  
Ion Ratio Lower Upper  
114 100  
63 17.0 0.0 38.2  
88 14.2 0.0 29.4





#35

Dibromofluoromethane

Concen: 47.52 ug/l

RT: 7.920 min Scan# 1020

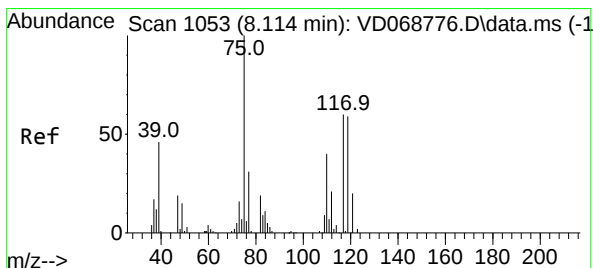
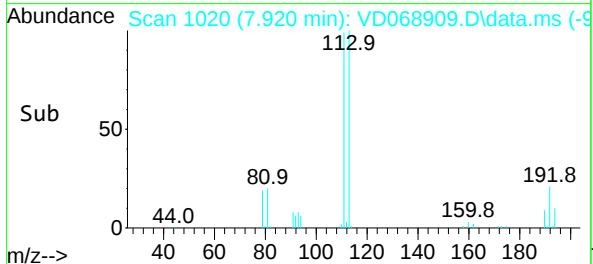
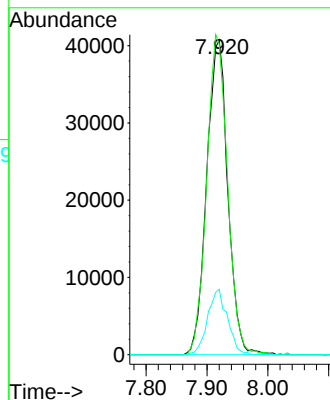
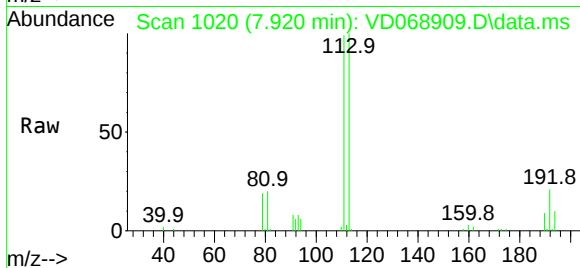
Delta R.T. 0.000 min

Lab File: VD068909.D

Acq: 19 Apr 2021 19:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 98014 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 100.5 | 82.5  | 123.7 |
| 192      | 19.5  | 15.1  | 22.7  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-18-0-2.0



#36

1,1-Dichloropropene

Concen: 4.24 ug/l

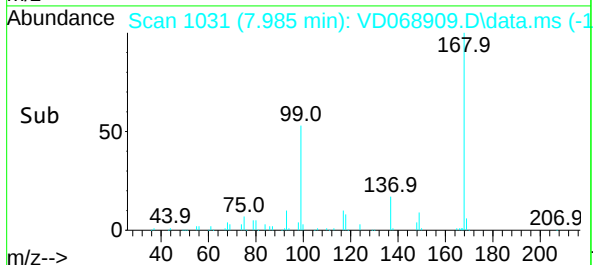
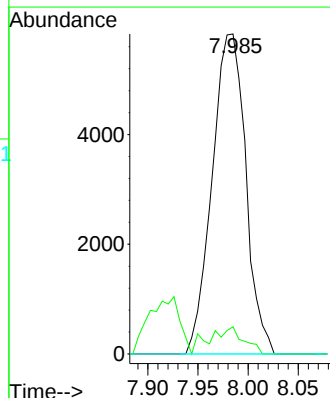
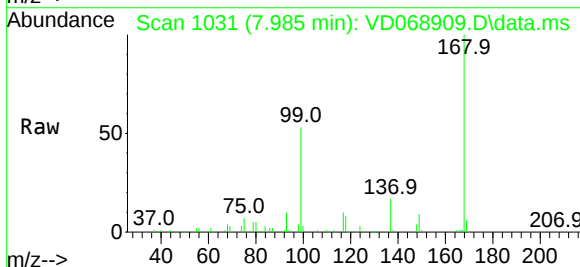
RT: 7.985 min Scan# 1031

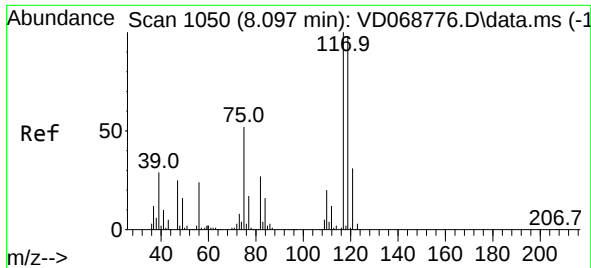
Delta R.T. -0.129 min

Lab File: VD068909.D

Acq: 19 Apr 2021 19:52

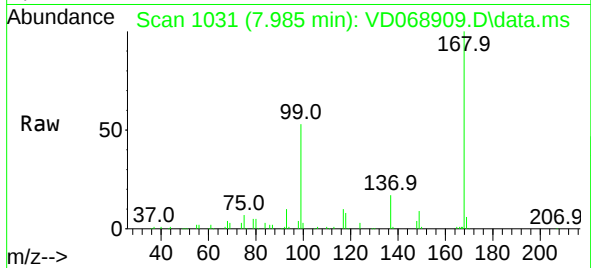
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 13614 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.6   | 18.1  | 54.4# |
| 77       | 0.0   | 24.7  | 37.1# |



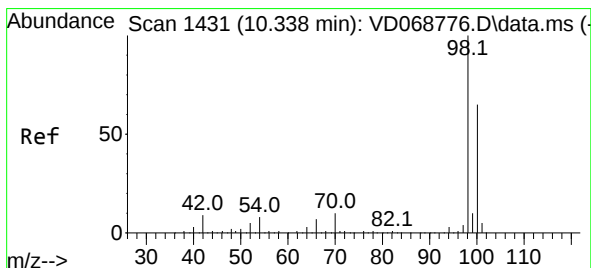
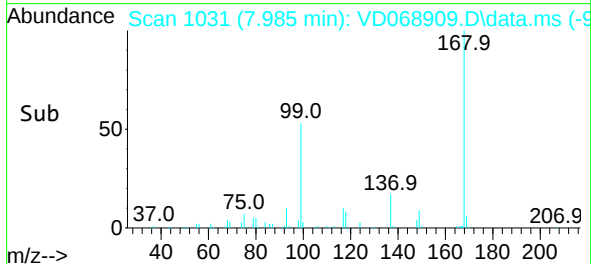
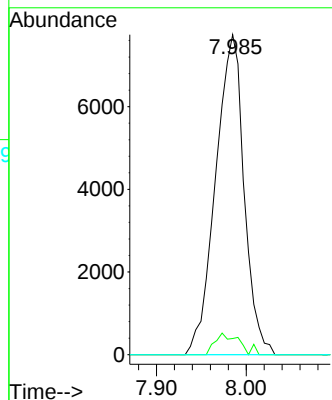


#38  
Carbon Tetrachloride  
Concen: 5.37 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.112 min  
Lab File: VD068909.D  
Acq: 19 Apr 2021 19:52

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-18-0-2.0

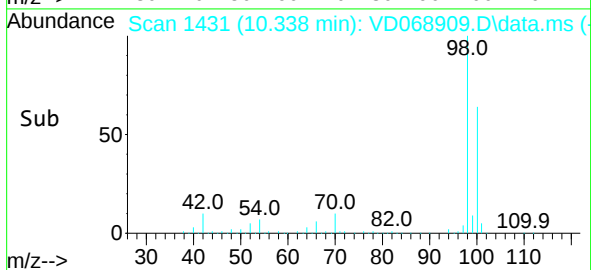
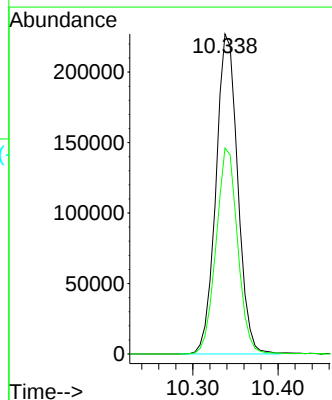
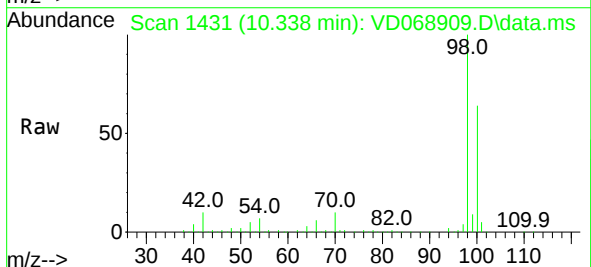


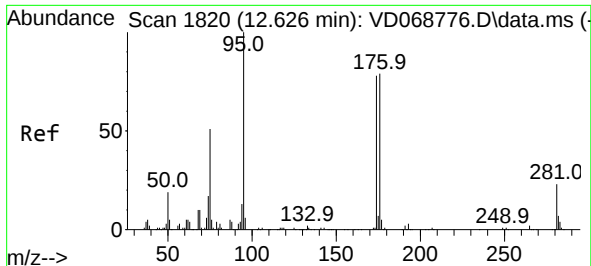
Tgt Ion:117 Resp: 17053  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.6 115.0#  
121 0.0 26.1 39.1#



#50  
Toluene-d8  
Concen: 51.83 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD068909.D  
Acq: 19 Apr 2021 19:52

Tgt Ion: 98 Resp: 403231  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.8 77.6

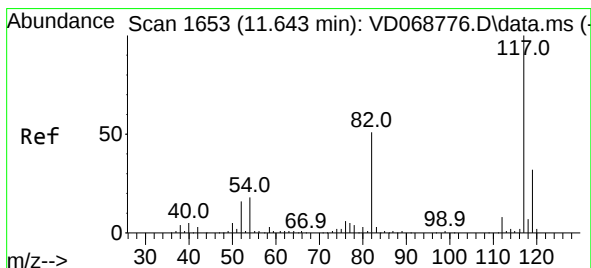
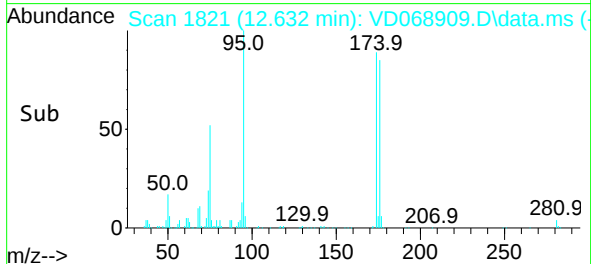
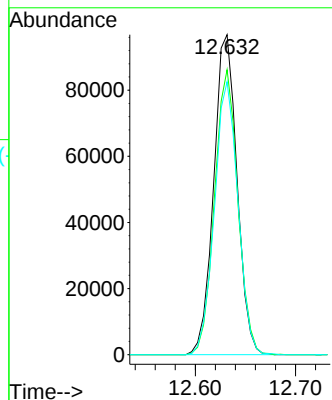
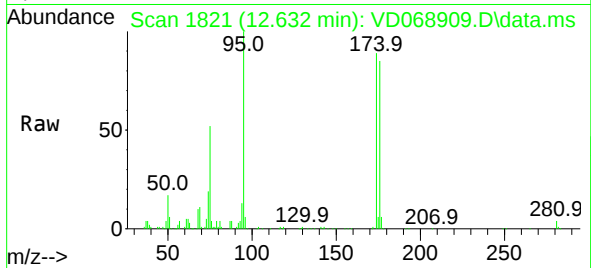




#62  
4-Bromofluorobenzene  
Concen: 60.48 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD068909.D  
Acq: 19 Apr 2021 19:52

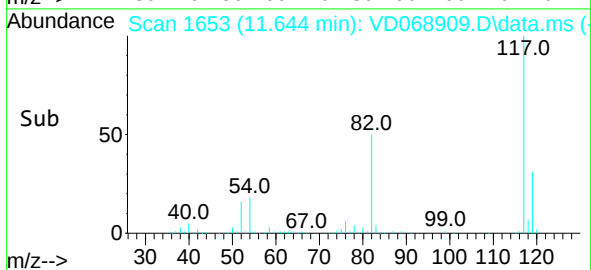
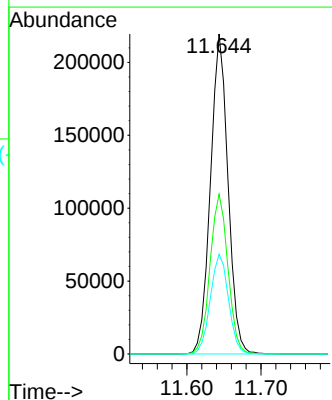
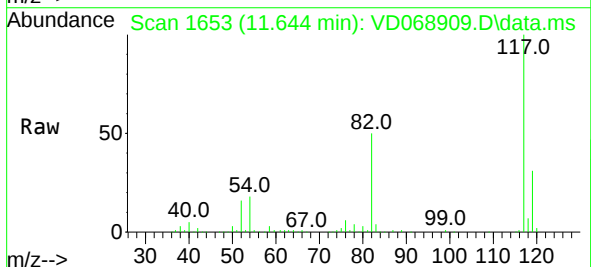
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-18-0-2.0

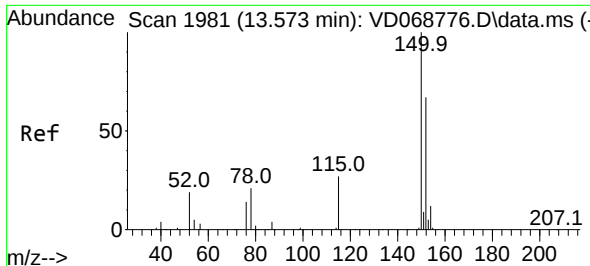
Tgt Ion: 95 Resp: 156269  
Ion Ratio Lower Upper  
95 100  
174 88.8 0.0 168.0  
176 86.0 0.0 160.2



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.001 min  
Lab File: VD068909.D  
Acq: 19 Apr 2021 19:52

Tgt Ion: 117 Resp: 360811  
Ion Ratio Lower Upper  
117 100  
82 49.9 43.5 65.3  
119 31.2 26.7 40.1

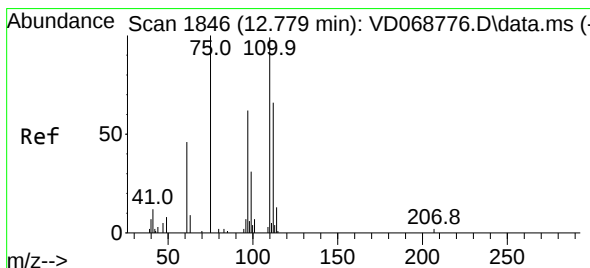
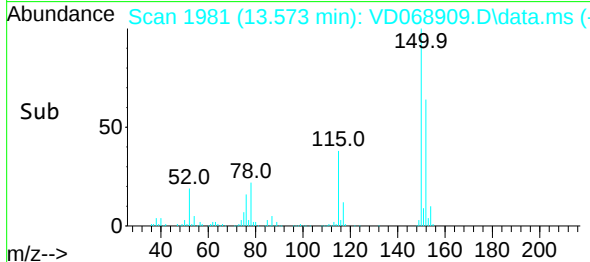
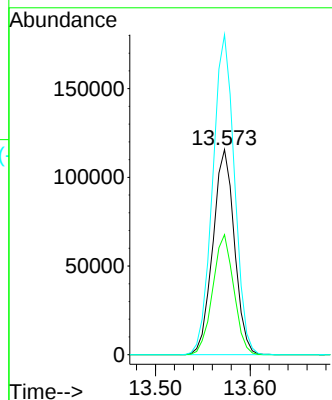
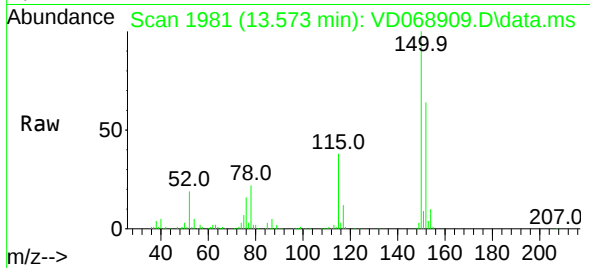




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.573 min Scan# 1981  
 Delta R.T. -0.000 min  
 Lab File: VD068909.D  
 Acq: 19 Apr 2021 19:52

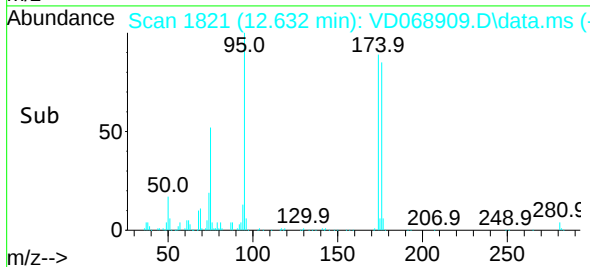
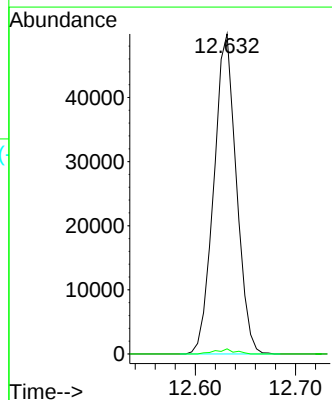
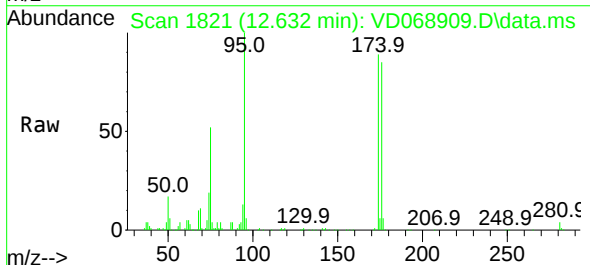
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 SB-18-0-2.0

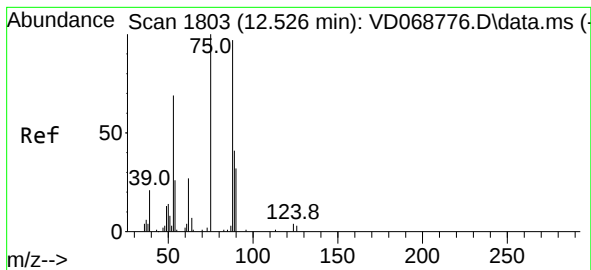
Tgt Ion:152 Resp: 182816  
 Ion Ratio Lower Upper  
 152 100  
 115 57.1 29.3 87.8  
 150 157.7 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 46.60 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. -0.147 min  
 Lab File: VD068909.D  
 Acq: 19 Apr 2021 19:52

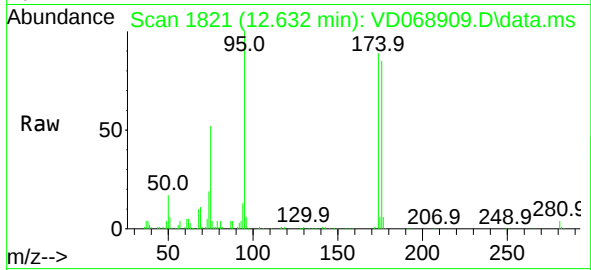
Tgt Ion: 75 Resp: 77833  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 108.15 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. 0.106 min  
 Lab File: VD068909.D  
 Acq: 19 Apr 2021 19:52

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-18-0-2.0



Tgt Ion: 75 Resp: 77833  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 66.8 100.2#  
 89 0.0 36.6 54.8#

