

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111824\  
 Data File : VD080074.D  
 Acq On : 18 Nov 2024 17:33  
 Operator : RP/MD  
 Sample : P4860-03  
 Misc : 6.48G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 19 04:49:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 15 16:25:47 2024  
 Response via : Initial Calibration

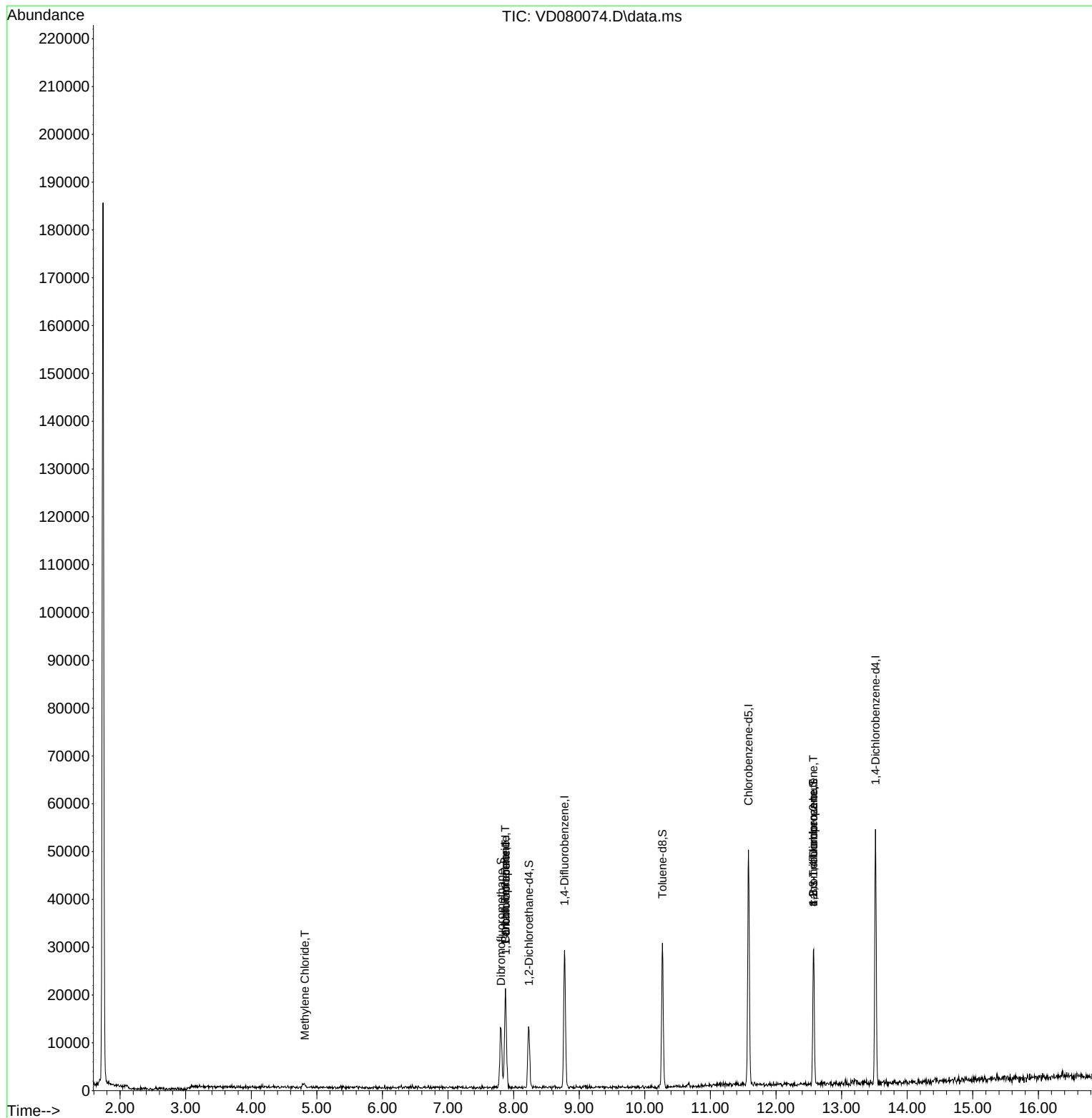
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 17665    | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 27512    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 29920    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 14402    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.234  | 65    | 10730    | 58.995   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 118.000% |          |
| 35) Dibromofluoromethane      | 7.810  | 113   | 9831     | 53.692   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 107.380% |          |
| 50) Toluene-d8                | 10.269 | 98    | 22316    | 32.337   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 64.680%  |          |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 9075     | 40.081   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 80.160%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride        | 4.817  | 84    | 699      | 3.303    | ug/l       | # 39     |
| 36) 1,1-Dichloropropene       | 7.881  | 75    | 1044     | 4.170    | ug/l       | # 40     |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 1612     | 5.893    | ug/l       | # 14     |
| 76) 1,2,3-Trichloropropane    | 12.569 | 75    | 4830     | 37.980   | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75    | 4830     | 77.731   | ug/l       | # 15     |
| -----                         |        |       |          |          |            |          |

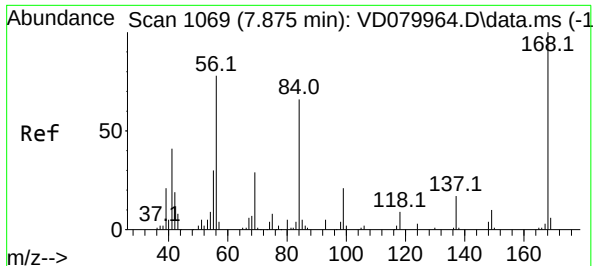
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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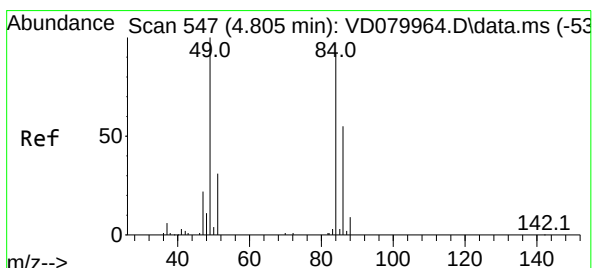
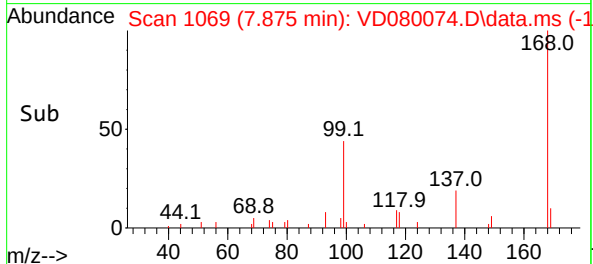
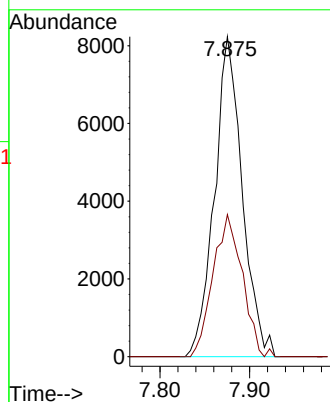
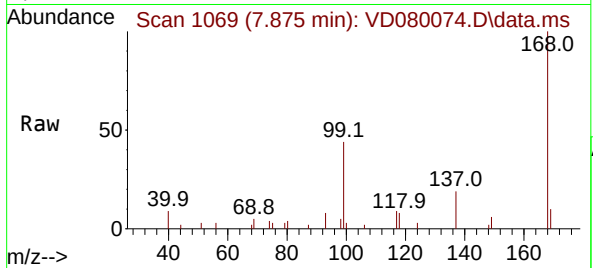




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD080074.D  
Acq: 18 Nov 2024 17:33

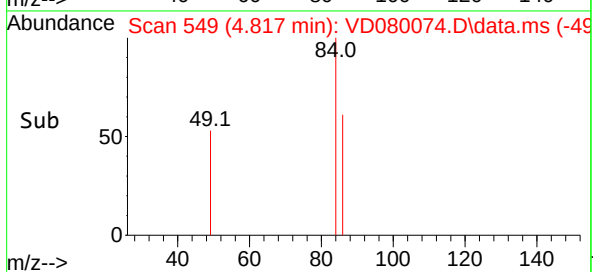
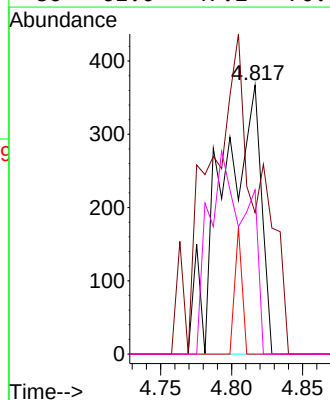
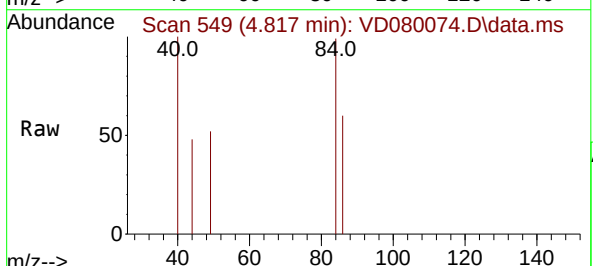
Instrument :  
MSVOA\_D  
ClientSampleId :

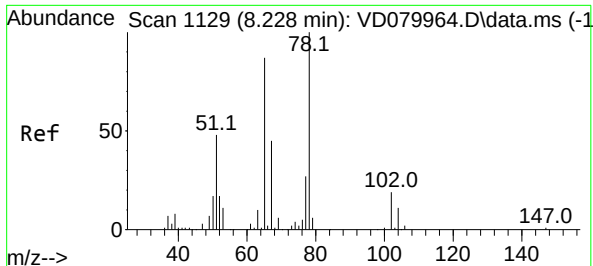
Tgt Ion:168 Resp: 17665  
Ion Ratio Lower Upper  
168 100  
99 44.4 46.0 69.0#



#20  
Methylene Chloride  
Concen: 3.303 ug/l  
RT: 4.817 min Scan# 549  
Delta R.T. 0.012 min  
Lab File: VD080074.D  
Acq: 18 Nov 2024 17:33

Tgt Ion: 84 Resp: 699  
Ion Ratio Lower Upper  
84 100  
49 10.6 86.5 129.7#  
51 0.0 26.9 40.3#  
86 61.0 47.2 70.8





#33

1,2-Dichloroethane-d4

Concen: 58.995 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD080074.D

Acq: 18 Nov 2024 17:33

Instrument :

MSVOA\_D

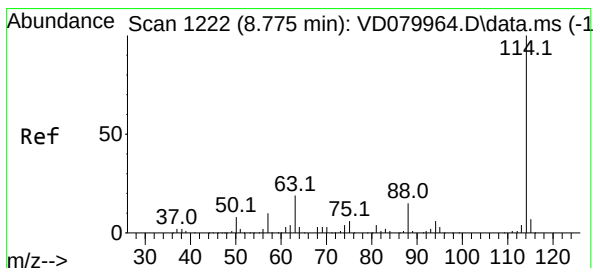
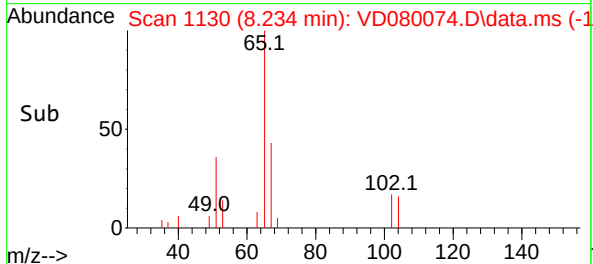
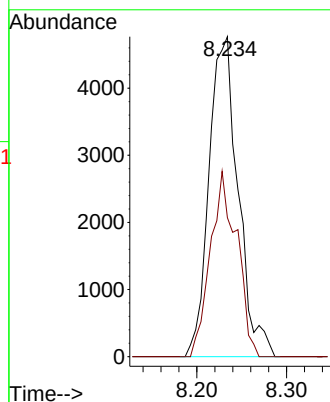
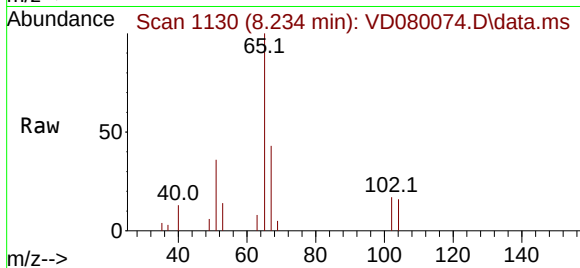
ClientSampleId :

Tgt Ion: 65 Resp: 10730

Ion Ratio Lower Upper

65 100

67 52.7 0.0 109.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD080074.D

Acq: 18 Nov 2024 17:33

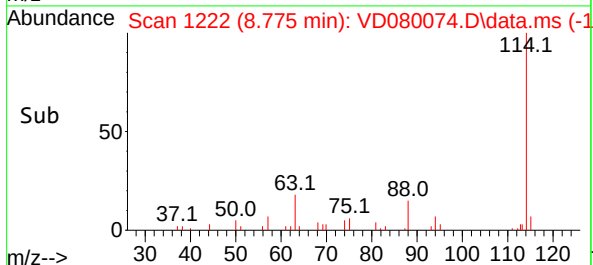
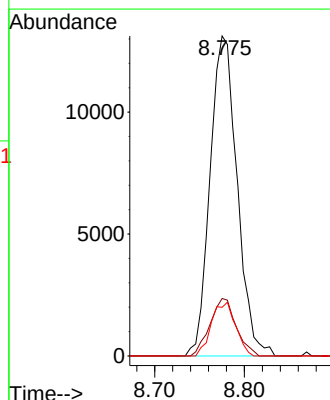
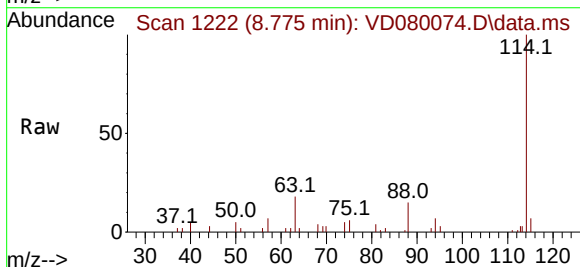
Tgt Ion: 114 Resp: 27512

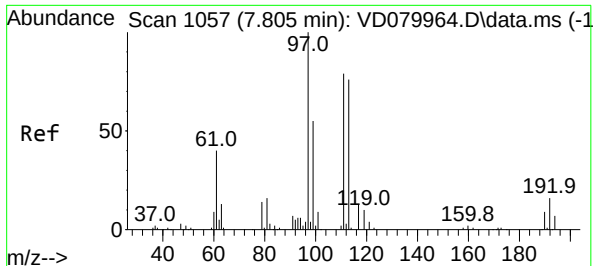
Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.8

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.692 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD080074.D

Acq: 18 Nov 2024 17:33

Instrument :

MSVOA\_D

ClientSampleId :

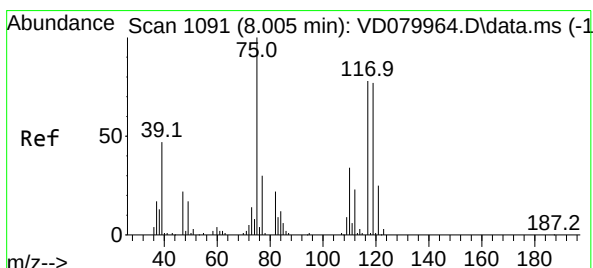
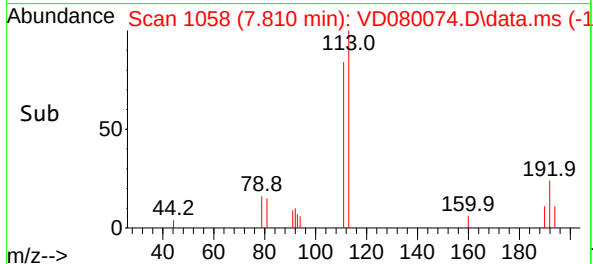
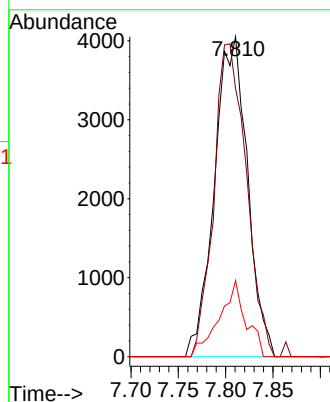
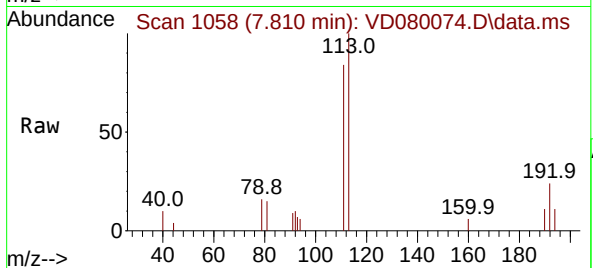
Tgt Ion:113 Resp: 9831

Ion Ratio Lower Upper

113 100

111 95.6 82.5 123.7

192 19.2 16.6 25.0



#36

1,1-Dichloropropene

Concen: 4.170 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.124 min

Lab File: VD080074.D

Acq: 18 Nov 2024 17:33

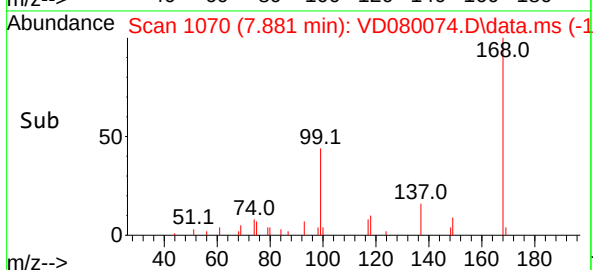
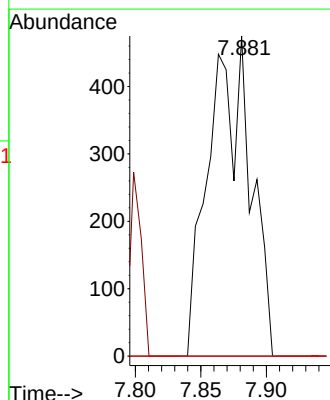
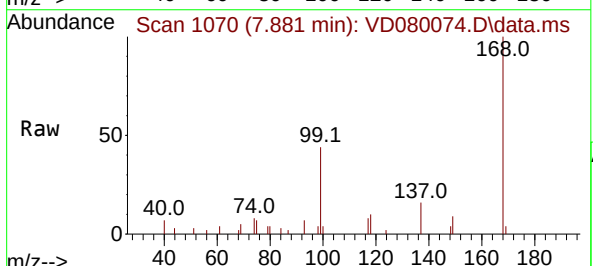
Tgt Ion: 75 Resp: 1044

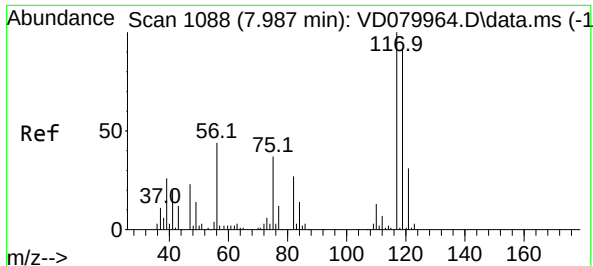
Ion Ratio Lower Upper

75 100

110 0.0 18.4 55.0#

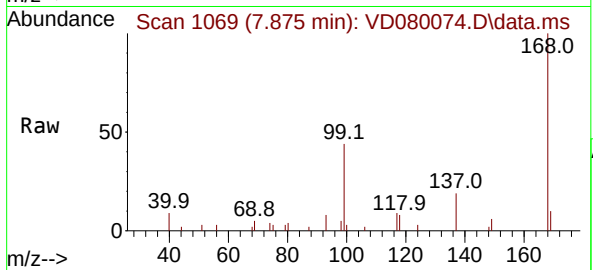
77 0.0 25.6 38.4#



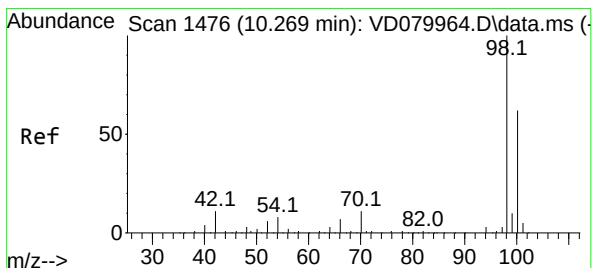
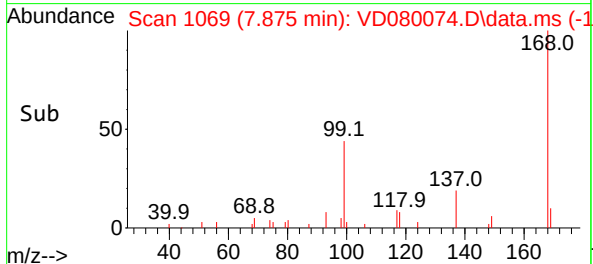
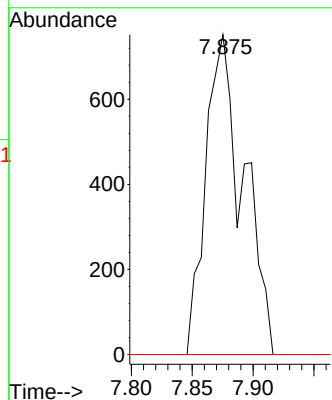


#38  
Carbon Tetrachloride  
Concen: 5.893 ug/l  
RT: 7.875 min Scan# 1088  
Delta R.T. -0.112 min  
Lab File: VD080074.D  
Acq: 18 Nov 2024 17:33

Instrument :  
MSVOA\_D  
ClientSampleId :

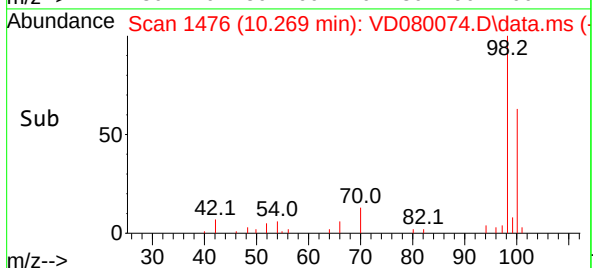
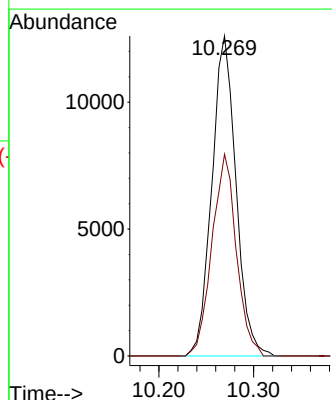
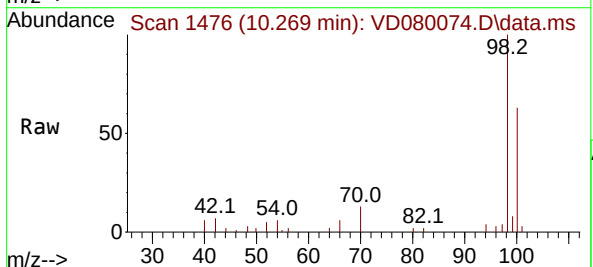


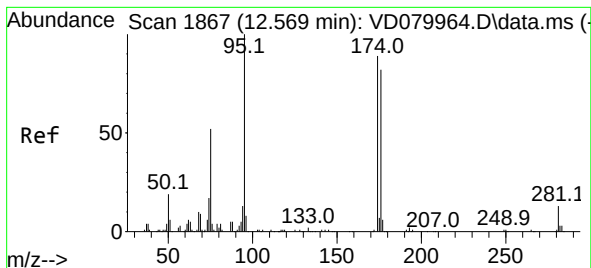
Tgt Ion:117 Resp: 1612  
Ion Ratio Lower Upper  
117 100  
119 0.0 73.4 110.0#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 32.337 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD080074.D  
Acq: 18 Nov 2024 17:33

Tgt Ion: 98 Resp: 22316  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.2 75.4

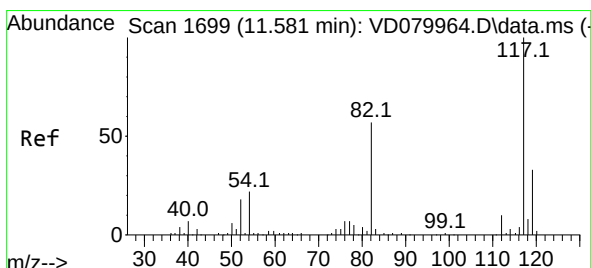
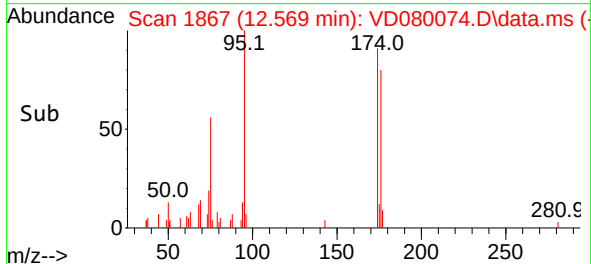
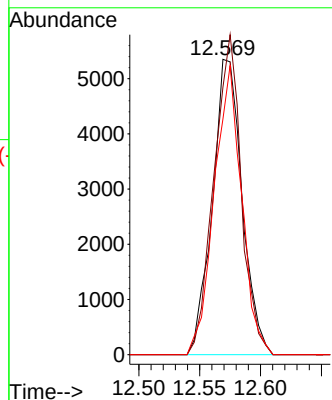
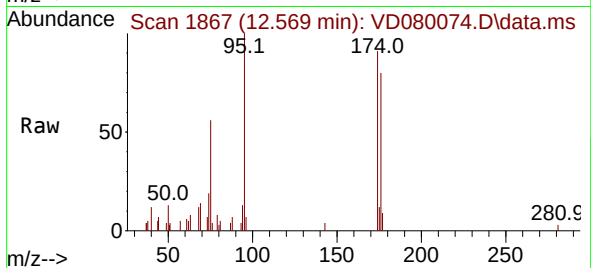




#62  
4-Bromofluorobenzene  
Concen: 40.081 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD080074.D  
Acq: 18 Nov 2024 17:33

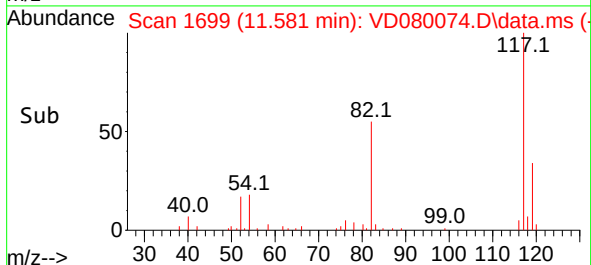
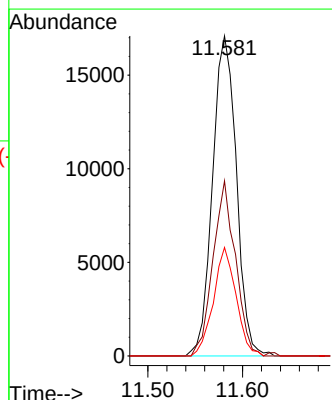
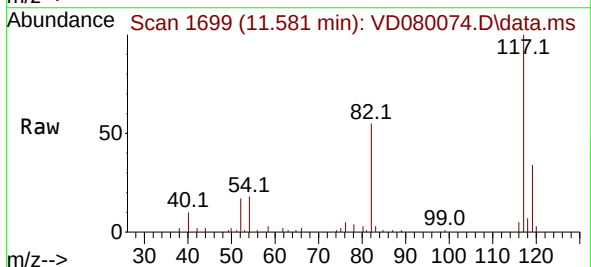
Instrument :  
MSVOA\_D  
ClientSampleId :

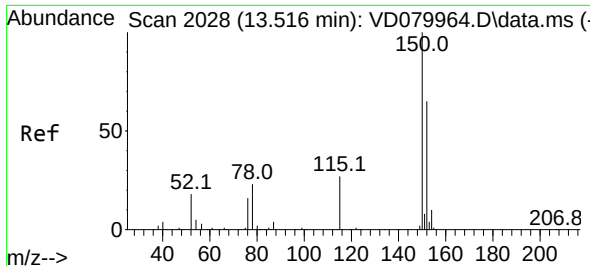
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 9075  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 99.7  | 0.0   | 173.4 |
| 176      | 90.5  | 0.0   | 166.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD080074.D  
Acq: 18 Nov 2024 17:33

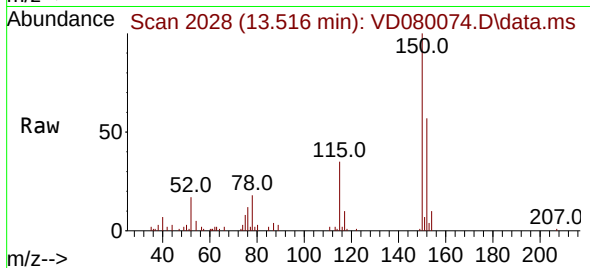
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 29920 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 54.7  | 45.8  | 68.6  |
| 119      | 33.9  | 26.2  | 39.2  |



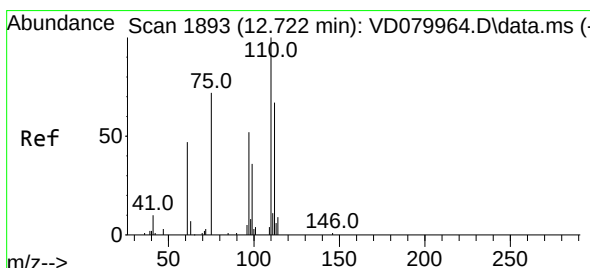
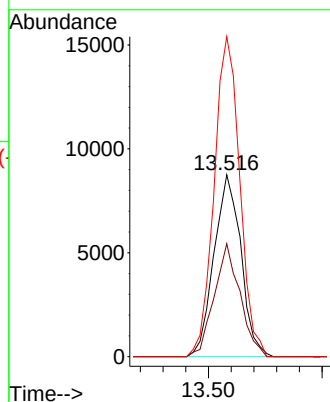
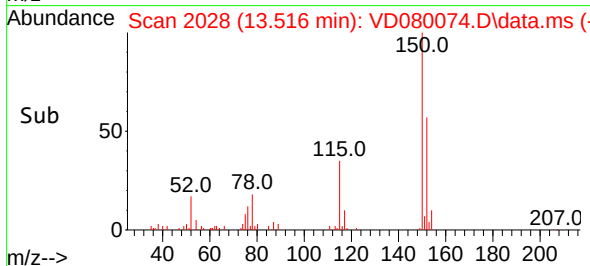


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VD080074.D  
 Acq: 18 Nov 2024 17:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :

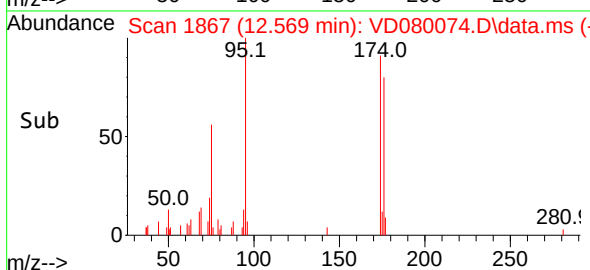
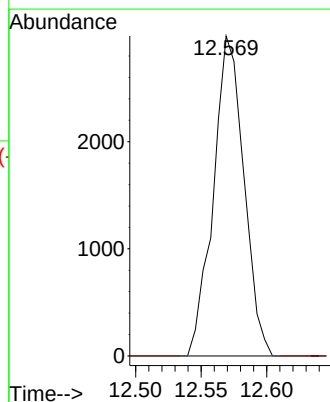
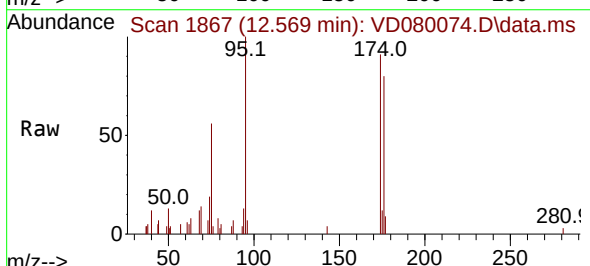


Tgt Ion:152 Resp: 14402  
 Ion Ratio Lower Upper  
 152 100  
 115 59.7 28.9 86.8  
 150 167.6 0.0 354.8

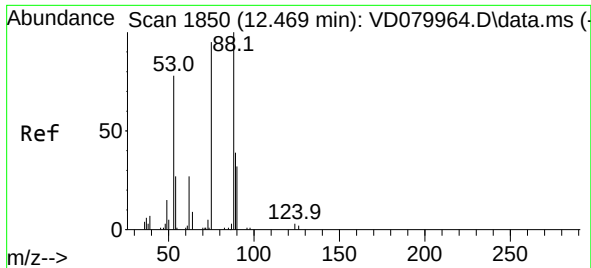


#76  
 1,2,3-Trichloropropane  
 Concen: 37.980 ug/l  
 RT: 12.569 min Scan# 1867  
 Delta R.T. -0.153 min  
 Lab File: VD080074.D  
 Acq: 18 Nov 2024 17:33

Tgt Ion: 75 Resp: 4830  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0

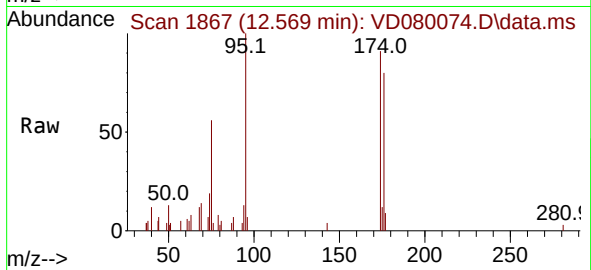






#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 77.731 ug/l  
 RT: 12.569 min Scan# 11  
 Delta R.T. 0.100 min  
 Lab File: VD080074.D  
 Acq: 18 Nov 2024 17:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion: 75 Resp: 4830  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 68.7 103.1#  
 89 0.0 36.1 54.1#

