

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051923\  
 Data File : VD076150.D  
 Acq On : 19 May 2023 11:36  
 Operator : KP/SY  
 Sample : VD0519SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0519SBL01

Quant Time: May 19 15:17:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

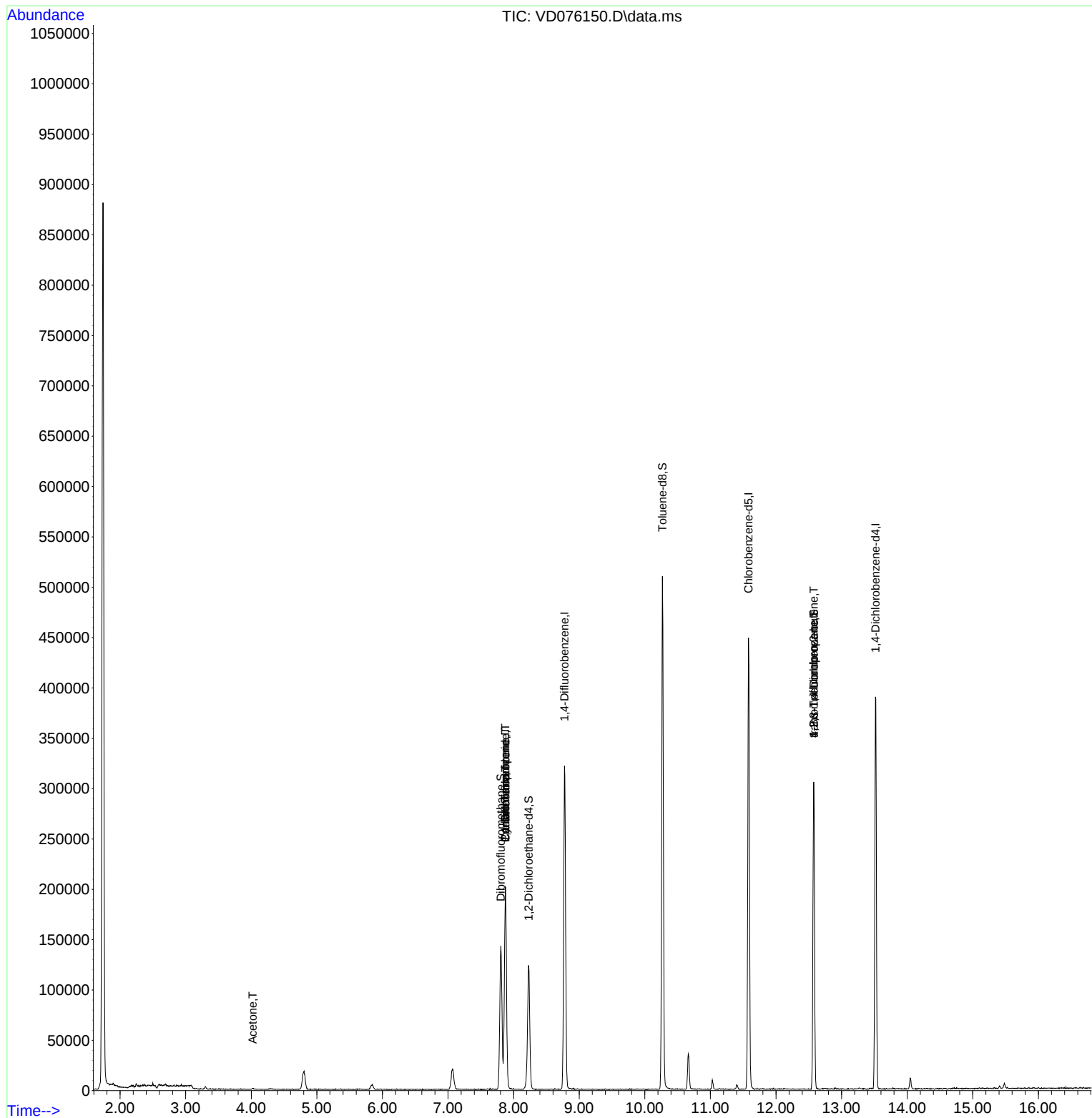
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 161437   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 306189   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 280416   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 112274   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 93741    | 60.081    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 120.160% |
| 35) Dibromofluoromethane      | 7.805  | 113   | 104158   | 49.214    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 98.420%  |
| 50) Toluene-d8                | 10.269 | 98    | 368083   | 44.614    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 89.220%  |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 87760    | 38.292    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 76.580%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.152  | 50    | 497      | Below Cal | #      | 40       |
| 16) Acetone                   | 4.022  | 43    | 387      | 1.247     | ug/l # | 69       |
| 20) Methylene Chloride        | 4.805  | 84    | 15669    | Below Cal | #      | 80       |
| 31) Cyclohexane               | 7.875  | 56    | 3226     | 1.350     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 12711    | 4.447     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 14755    | 5.715     | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 46431    | 47.258    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 46431    | 99.140    | ug/l # | 5        |
| -----                         |        |       |          |           |        |          |

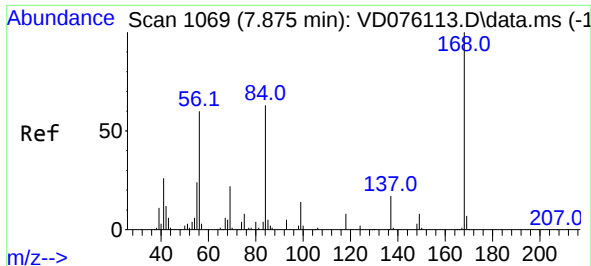
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VD0519SBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBL01

Quant Time: May 19 15:17:24 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 10:08:53 2023  
Response via : Initial Calibration

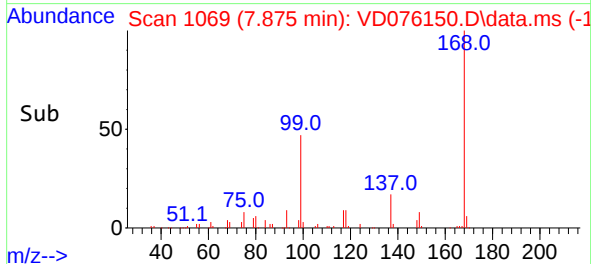
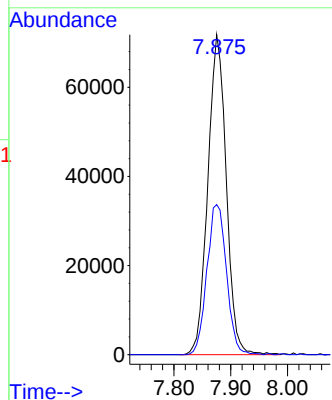
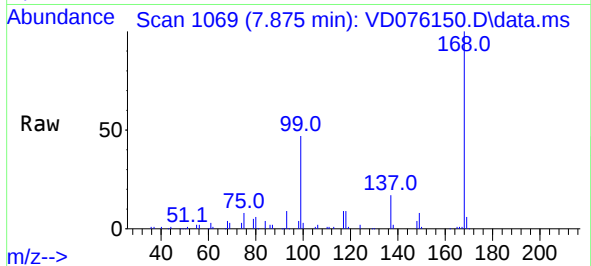




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

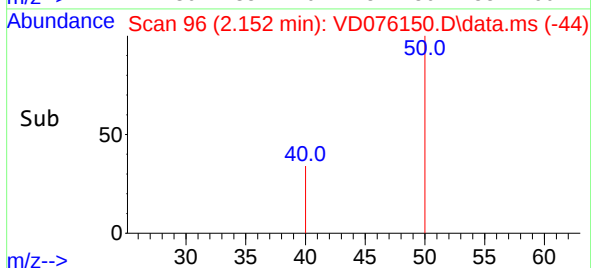
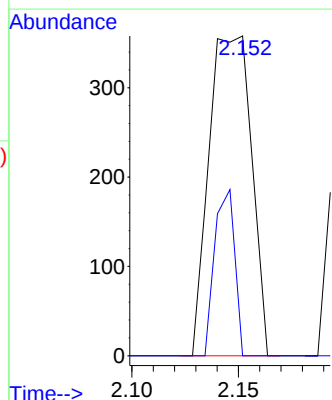
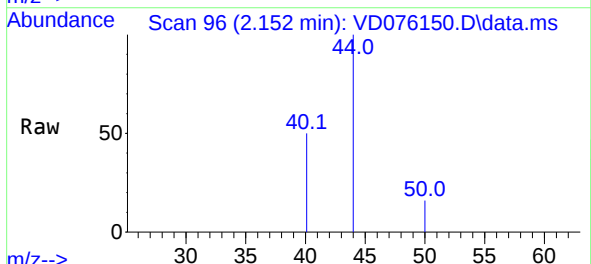
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBL01

Tgt Ion:168 Resp: 161437  
Ion Ratio Lower Upper  
168 100  
99 46.9 43.8 65.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.152 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

Tgt Ion: 50 Resp: 497  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.8 41.8#

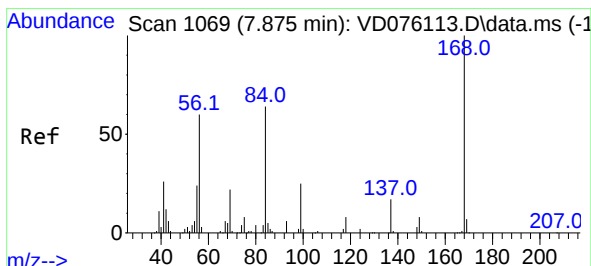
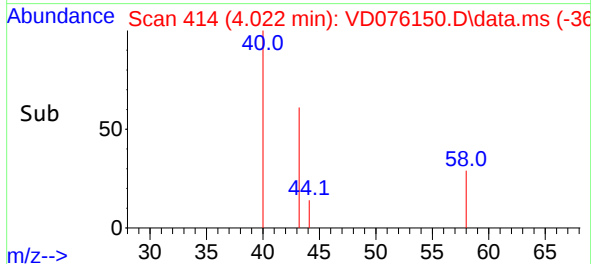
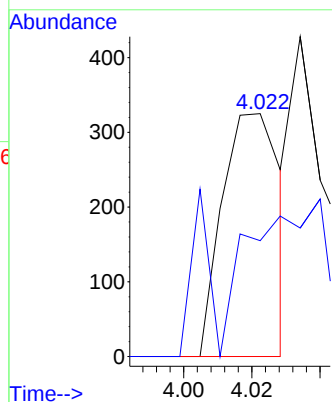
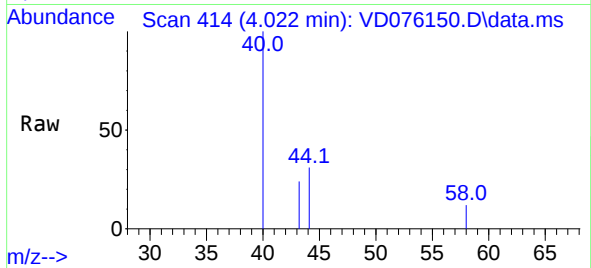




#16  
Acetone  
Concen: 1.247 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

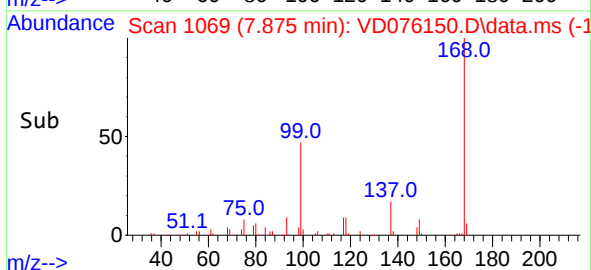
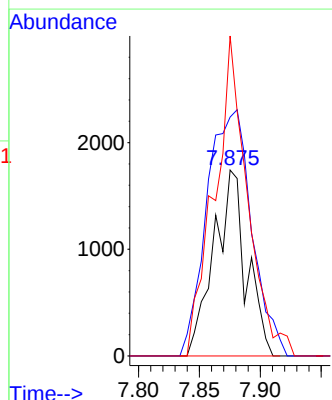
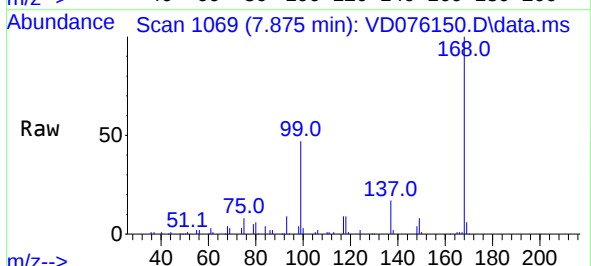
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBL01

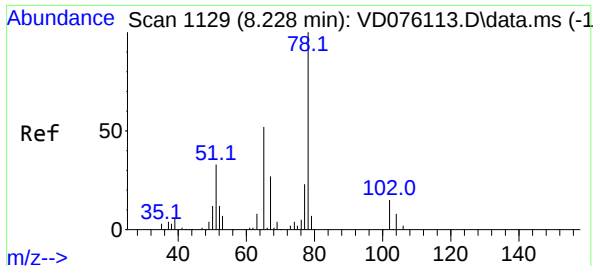
Tgt Ion: 43 Resp: 387  
Ion Ratio Lower Upper  
43 100  
58 47.7 24.4 36.6#



#31  
Cyclohexane  
Concen: 1.350 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

Tgt Ion: 56 Resp: 3226  
Ion Ratio Lower Upper  
56 100  
69 128.5 25.5 38.3#  
84 172.1 69.6 104.4#

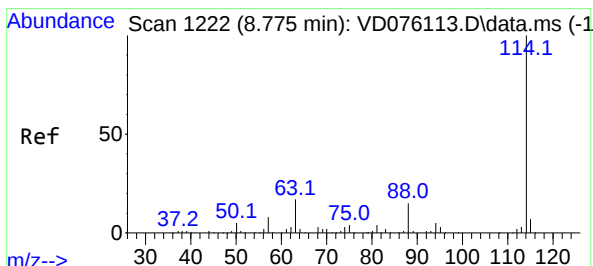
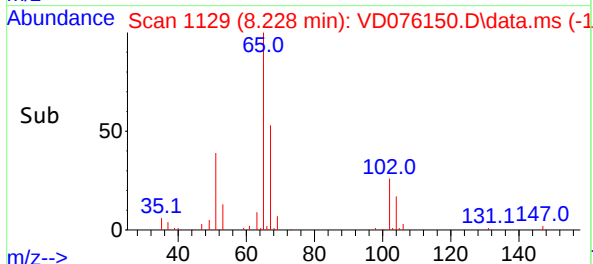
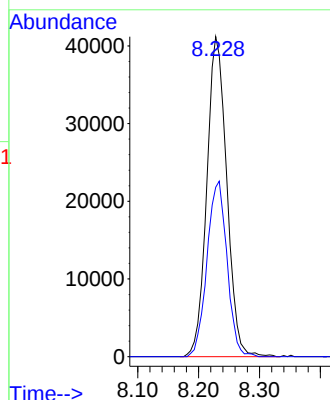
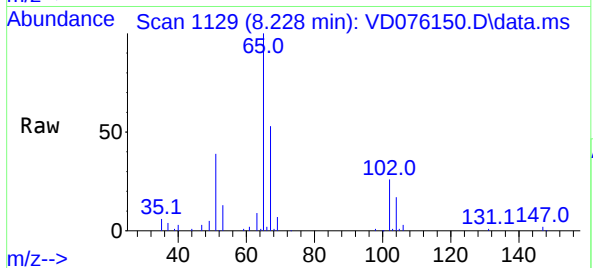




#33  
1,2-Dichloroethane-d4  
Concen: 60.081 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

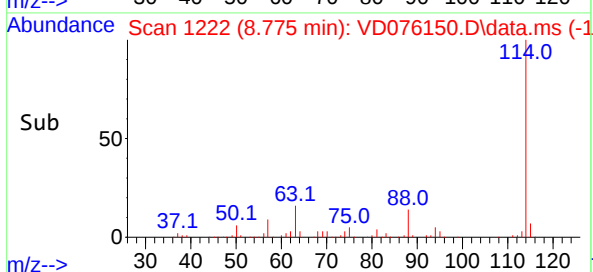
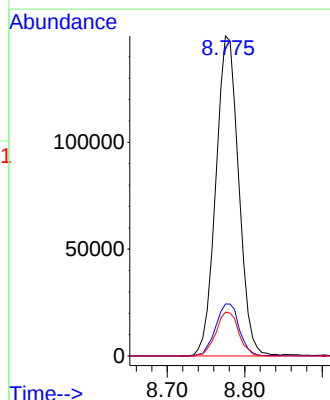
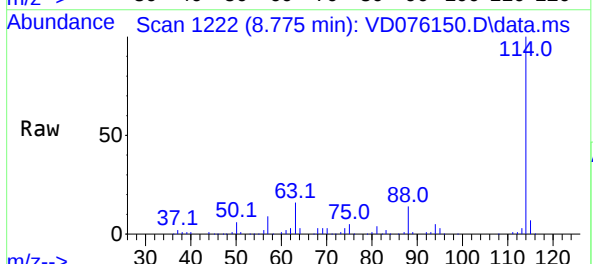
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBL01

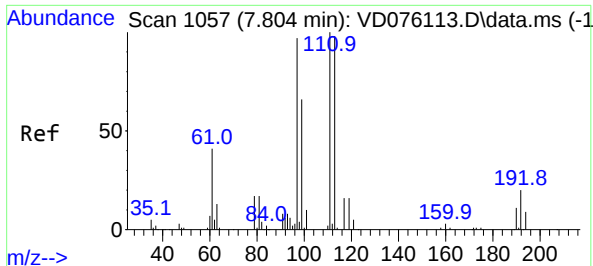
Tgt Ion: 65 Resp: 93741  
Ion Ratio Lower Upper  
65 100  
67 55.0 0.0 102.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

Tgt Ion:114 Resp: 306189  
Ion Ratio Lower Upper  
114 100  
63 16.3 0.0 41.6  
88 13.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.214 ug/l

RT: 7.805 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076150.D

Acq: 19 May 2023 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD0519SBL01

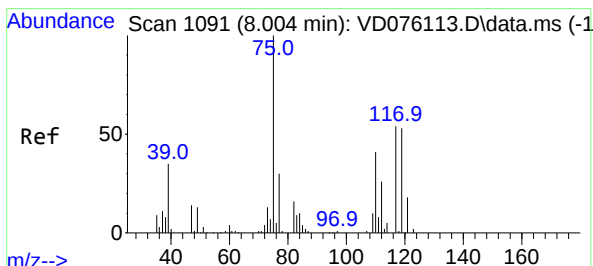
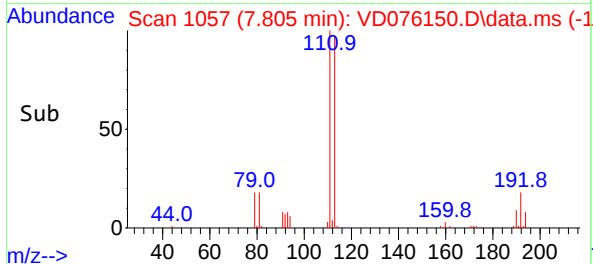
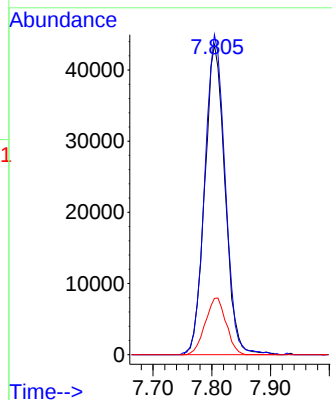
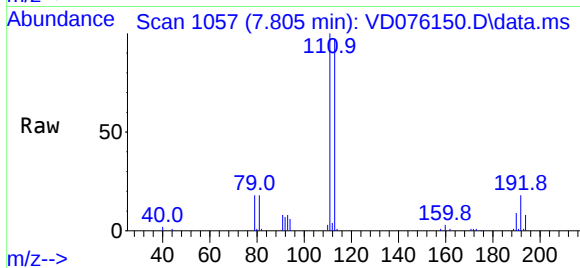
Tgt Ion:113 Resp: 104158

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 18.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.447 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD076150.D

Acq: 19 May 2023 11:36

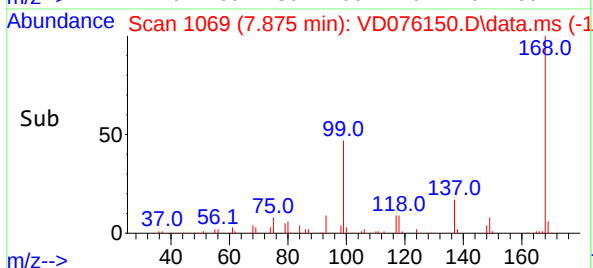
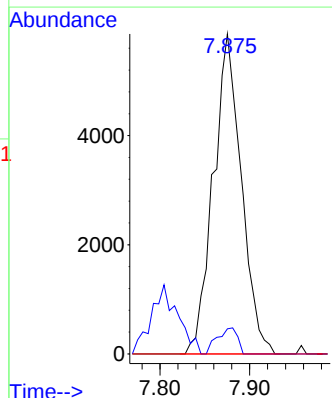
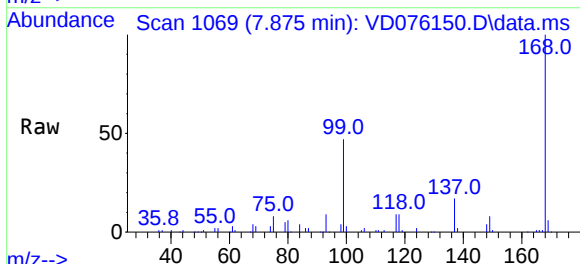
Tgt Ion: 75 Resp: 12711

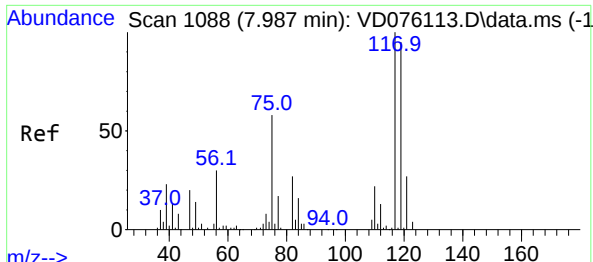
Ion Ratio Lower Upper

75 100

110 5.9 17.1 51.2#

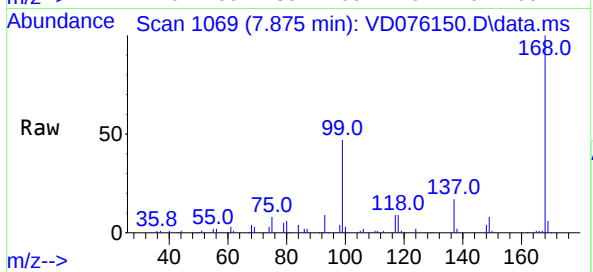
77 0.0 24.6 36.8#



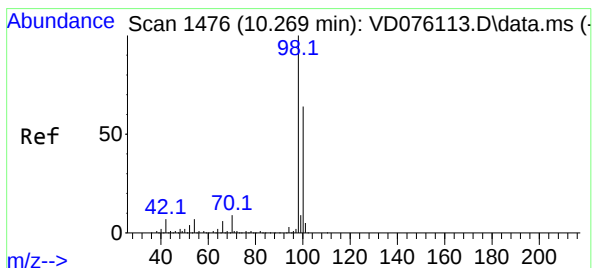
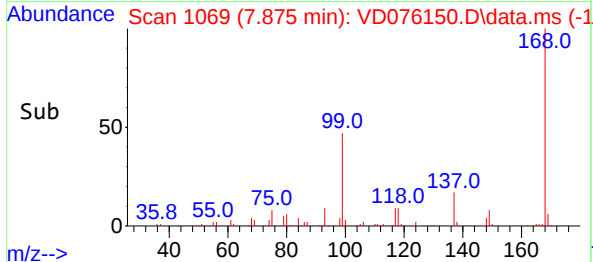
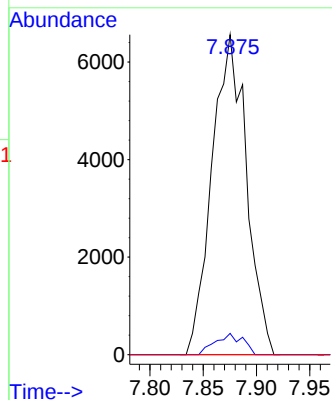


#38  
Carbon Tetrachloride  
Concen: 5.715 ug/l  
RT: 7.875 min Scan# 1088  
Delta R.T. -0.118 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBL01

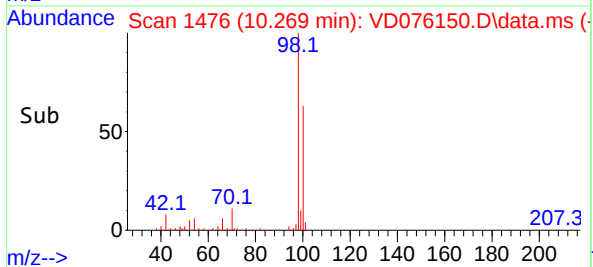
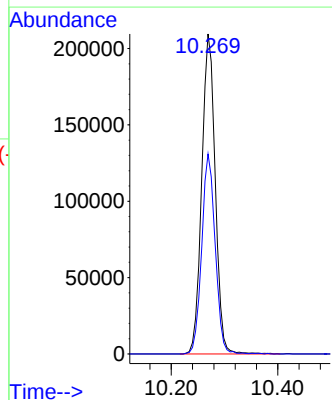
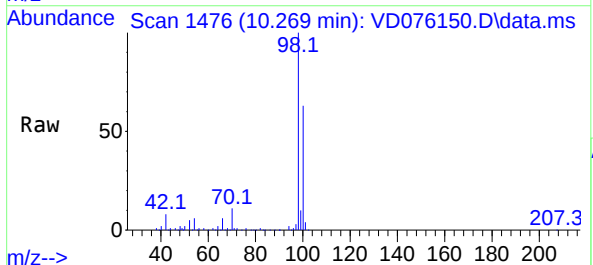


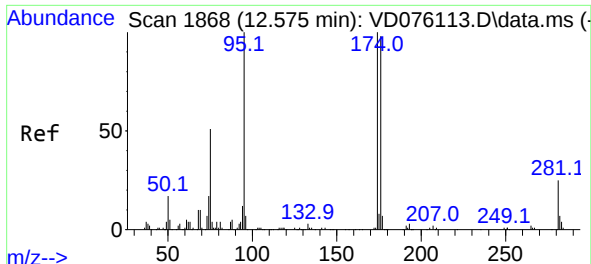
Tgt Ion:117 Resp: 14755  
Ion Ratio Lower Upper  
117 100  
119 6.6 74.7 112.1#  
121 0.0 25.9 38.9#



#50  
Toluene-d8  
Concen: 44.614 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

Tgt Ion: 98 Resp: 368083  
Ion Ratio Lower Upper  
98 100  
100 62.3 52.1 78.1

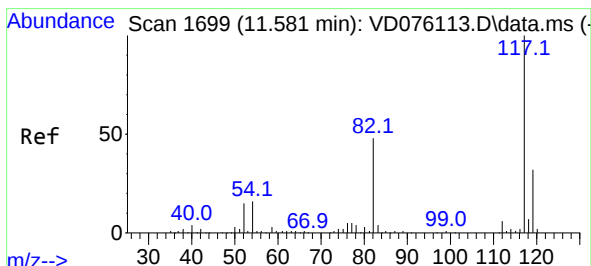
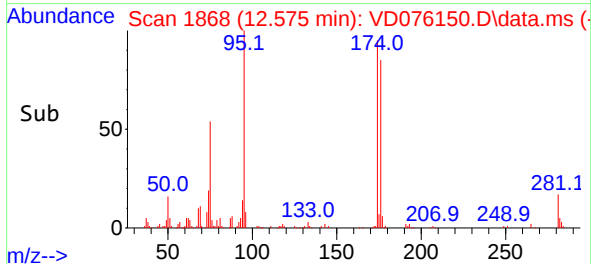
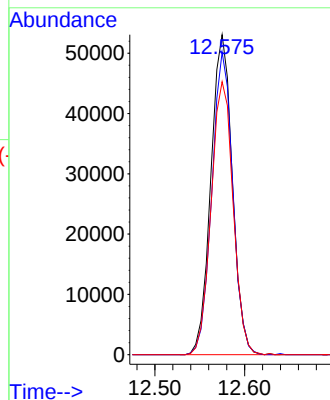
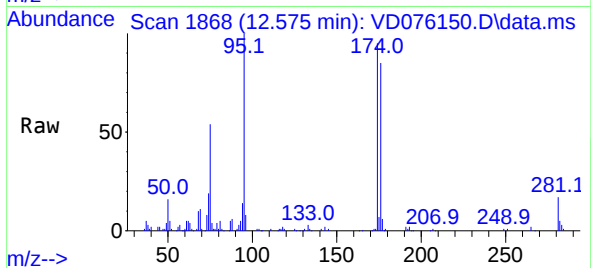




#62  
4-Bromofluorobenzene  
Concen: 38.292 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

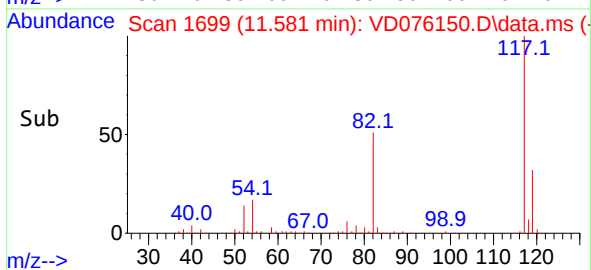
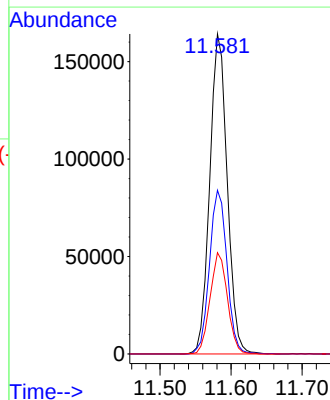
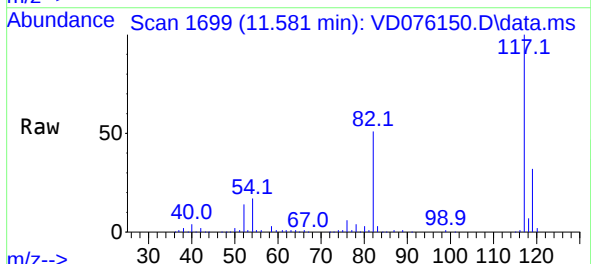
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBL01

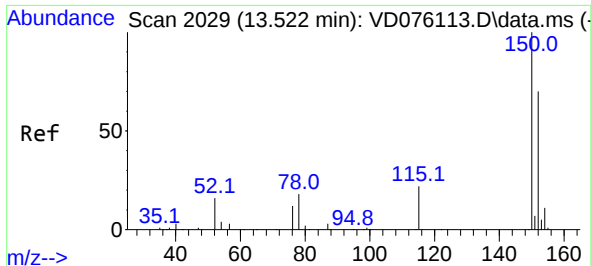
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 87760 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 92.4  | 0.0   | 164.0 |
| 176      | 87.6  | 0.0   | 156.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 280416 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 51.2  | 44.0  | 66.0   |
| 119      | 31.7  | 25.1  | 37.7   |

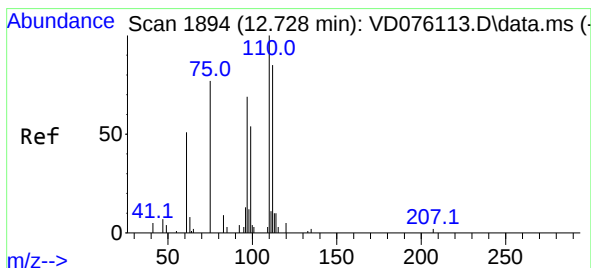
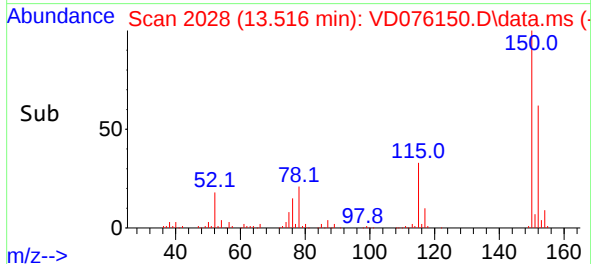
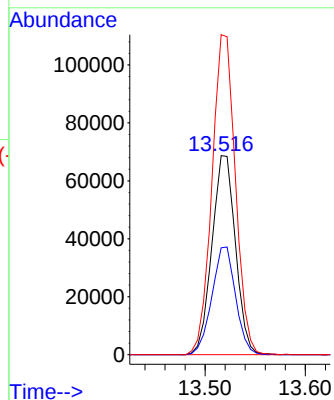
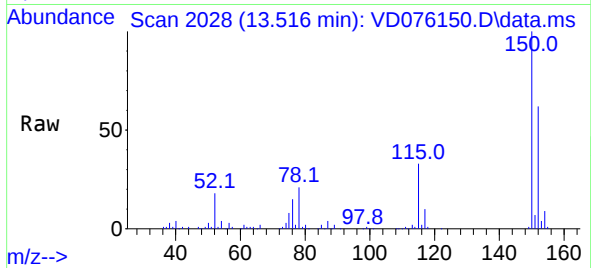




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

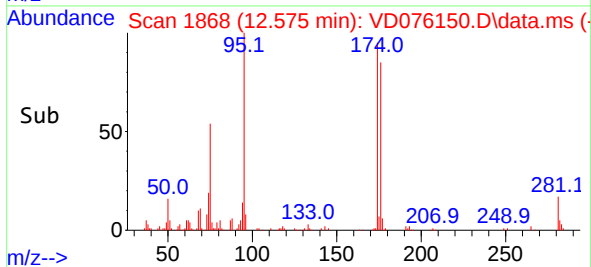
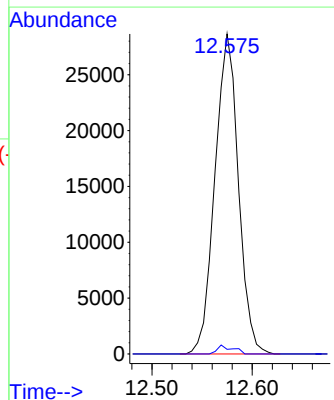
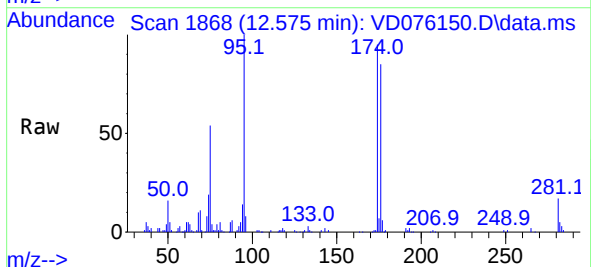
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBL01

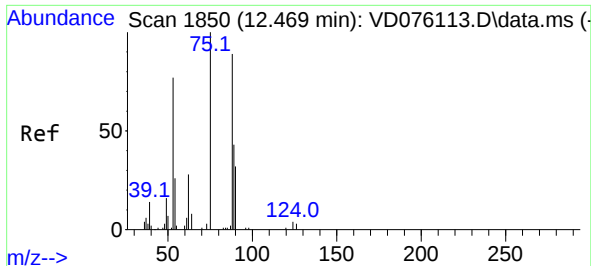
Tgt Ion:152 Resp: 112274  
Ion Ratio Lower Upper  
152 100  
115 54.5 30.1 90.3  
150 159.9 0.0 364.8



#76  
1,2,3-Trichloropropane  
Concen: 47.258 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.153 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

Tgt Ion: 75 Resp: 46431  
Ion Ratio Lower Upper  
75 100  
77 1.8 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 99.140 ug/l  
RT: 12.575 min Scan# 11  
Delta R.T. 0.100 min  
Lab File: VD076150.D  
Acq: 19 May 2023 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBL01

Tgt Ion: 75 Resp: 46431  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 40.2 60.4#

