

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082823\  
 Data File : VD077041.D  
 Acq On : 28 Aug 2023 15:09  
 Operator : JC/SY  
 Sample : VD0828SBL01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 29 02:50:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082823S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 29 02:15:23 2023  
 Response via : Initial Calibration

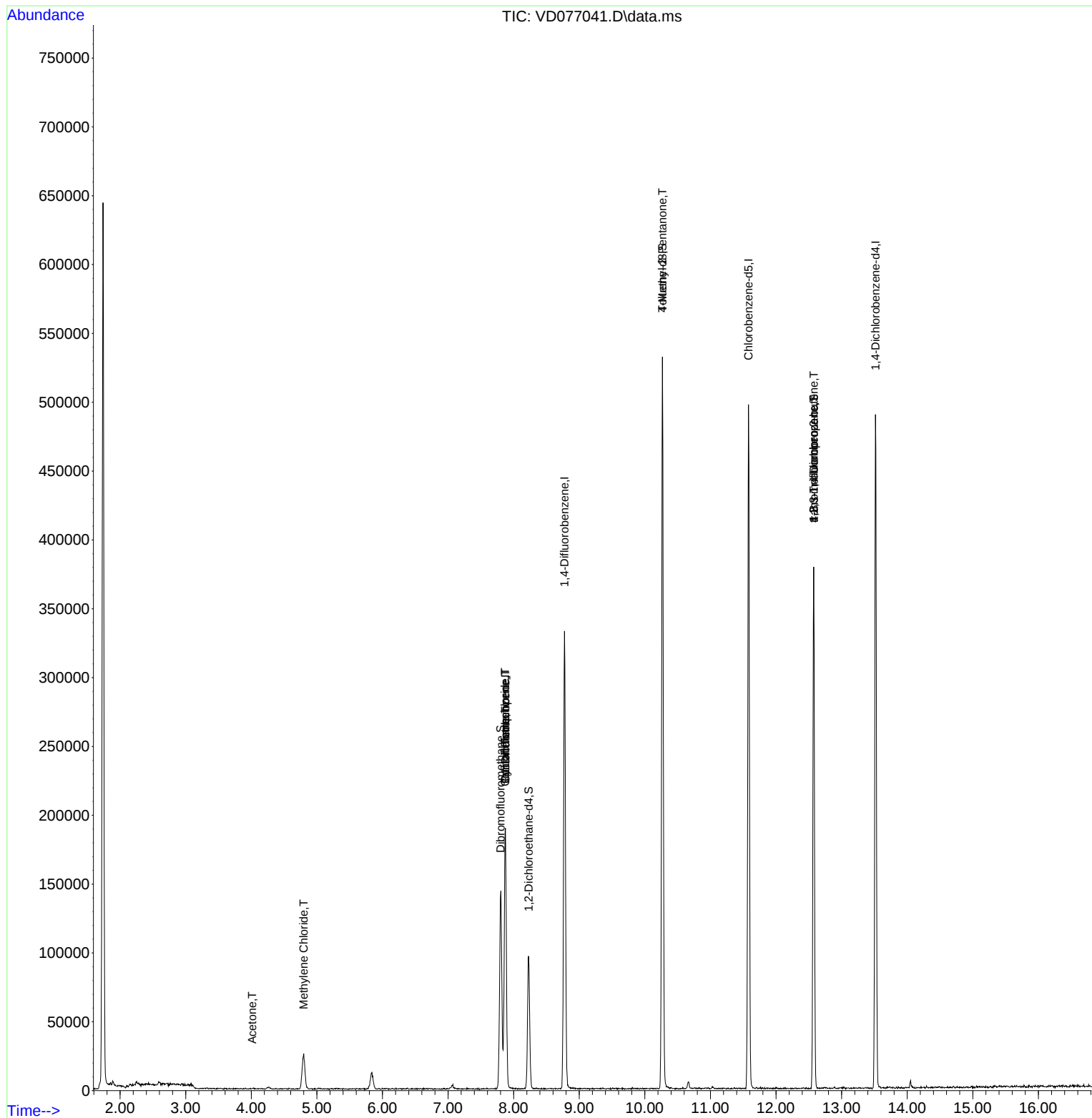
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.875  | 168            | 151562   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114            | 312327   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117            | 301217   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152            | 138679   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65             | 74761    | 50.100     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 50 - 163 | Recovery | = 100.200% |        |          |
| 35) Dibromofluoromethane      | 7.799  | 113            | 102439   | 49.095     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 54 - 147 | Recovery | = 98.180%  |        |          |
| 50) Toluene-d8                | 10.269 | 98             | 369254   | 48.917     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 58 - 134 | Recovery | = 97.840%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.575 | 95             | 111661   | 50.172     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 30 - 143 | Recovery | = 100.340% |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            | Qvalue |          |
| 3) Chloromethane              | 2.158  | 50             | 577      | Below Cal  | #      | 41       |
| 16) Acetone                   | 4.016  | 43             | 432      | 1.270      | ug/l # | 32       |
| 20) Methylene Chloride        | 4.799  | 84             | 19809    | 5.853      | ug/l # | 85       |
| 31) Cyclohexane               | 7.875  | 56             | 2562     | 1.075      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.875  | 75             | 11225    | 3.776      | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.869  | 117            | 15071    | 5.015      | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.269 | 43             | 1113     | 1.062      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75             | 58021    | 43.377     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75             | 58021    | 100.713    | ug/l # | 17       |
| -----                         |        |                |          |            |        |          |

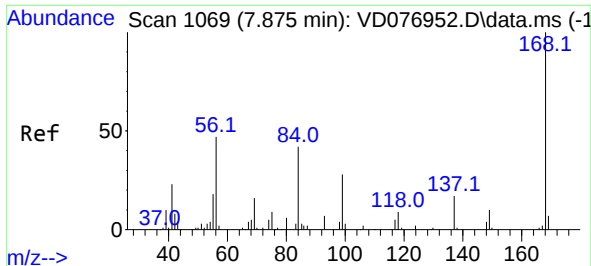
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082823\  
Data File : VD077041.D  
Acq On : 28 Aug 2023 15:09  
Operator : JC/SY  
Sample : VD0828SBL01  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

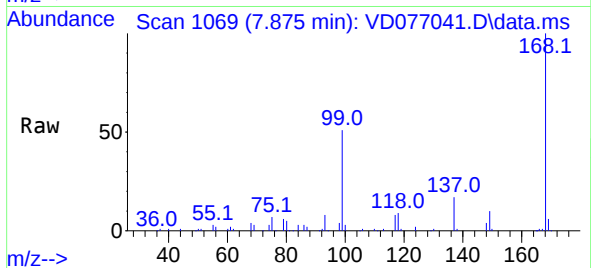
Quant Time: Aug 29 02:50:46 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082823S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 29 02:15:23 2023  
Response via : Initial Calibration



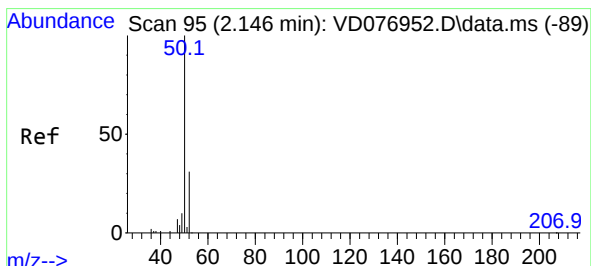
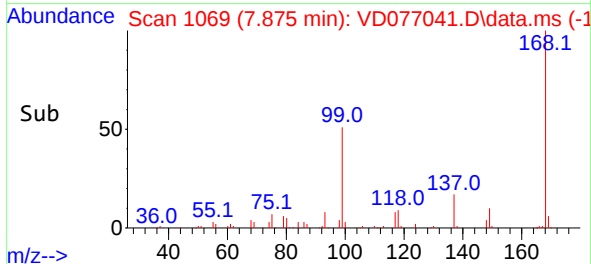
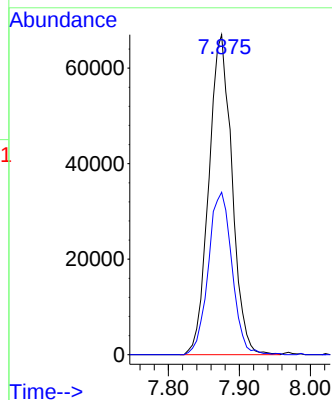


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

Instrument :  
MSVOA\_D  
ClientSampleId :

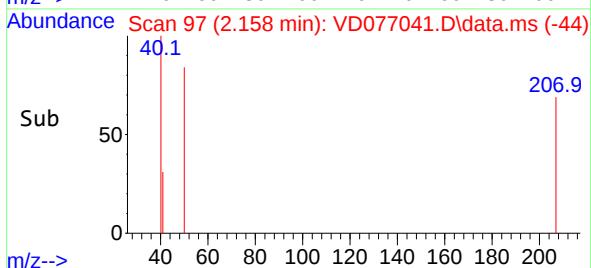
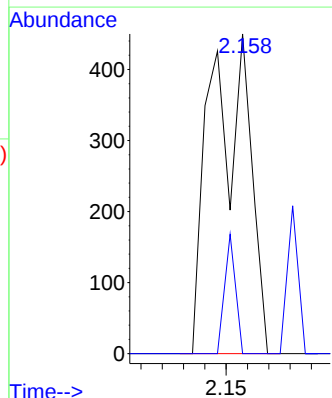
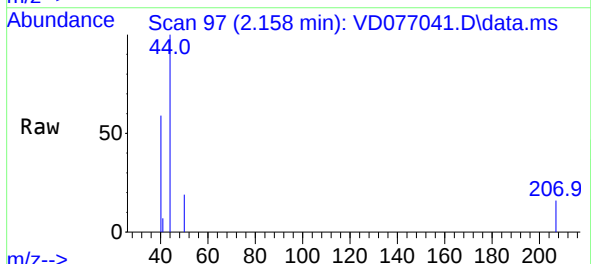


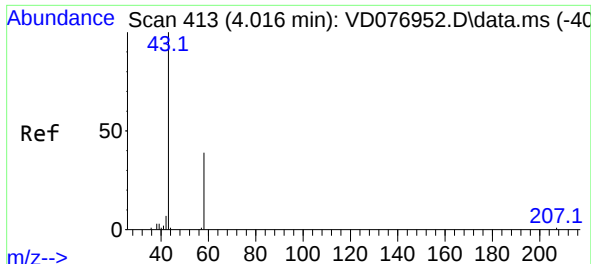
Tgt Ion:168 Resp: 151562  
Ion Ratio Lower Upper  
168 100  
99 50.8 36.7 55.1



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.158 min Scan# 97  
Delta R.T. 0.012 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

Tgt Ion: 50 Resp: 577  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.6 40.0#

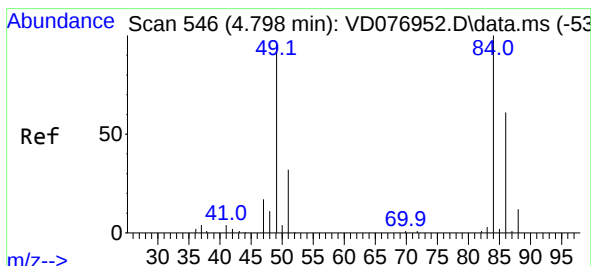
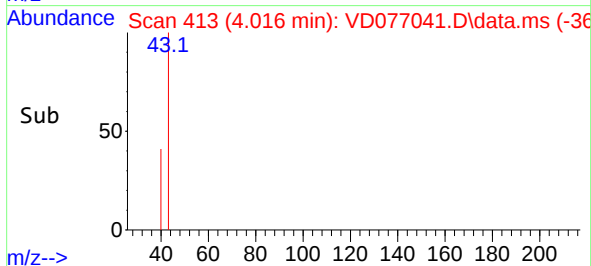
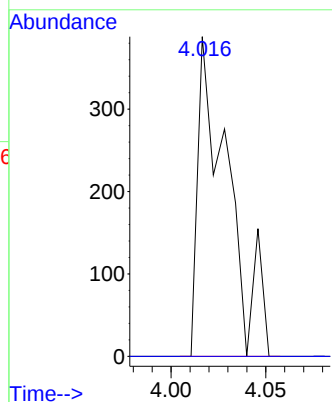
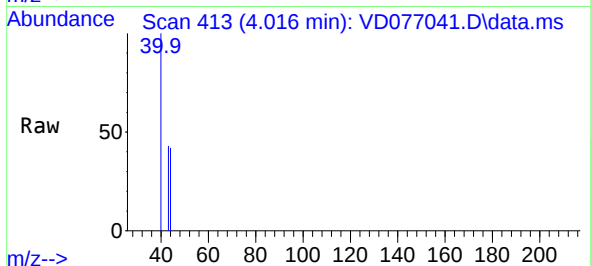




#16  
Acetone  
Concen: 1.270 ug/l  
RT: 4.016 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

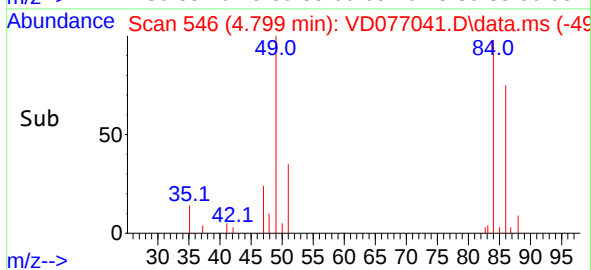
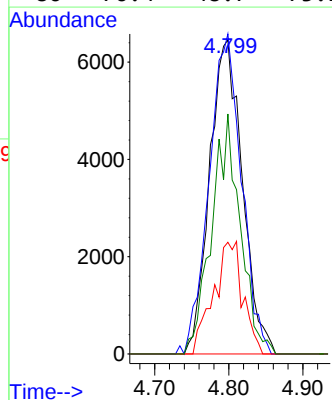
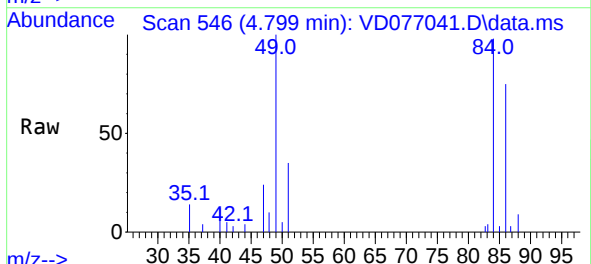
Instrument :  
MSVOA\_D  
ClientSampleId :

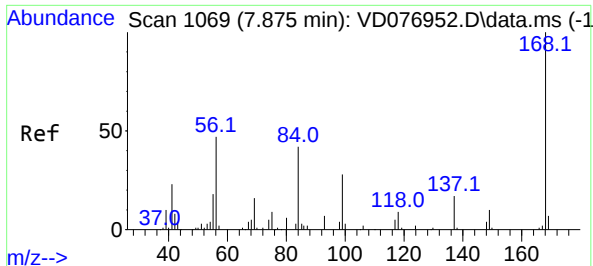
Tgt Ion: 43 Resp: 432  
Ion Ratio Lower Upper  
43 100  
58 0.0 34.7 52.1#



#20  
Methylene Chloride  
Concen: 5.853 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. 0.001 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

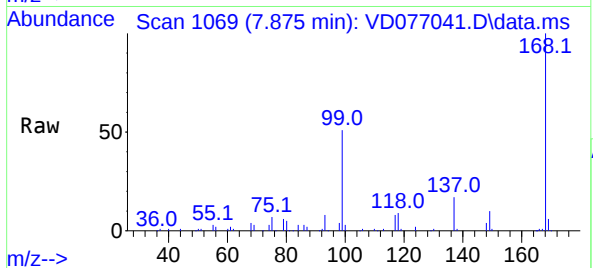
Tgt Ion: 84 Resp: 19809  
Ion Ratio Lower Upper  
84 100  
49 101.9 71.4 107.2  
51 35.6 24.5 36.7  
86 76.4 48.7 73.1#



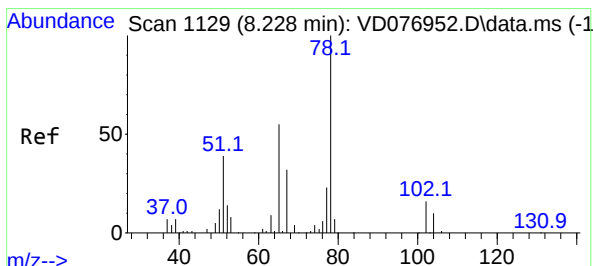
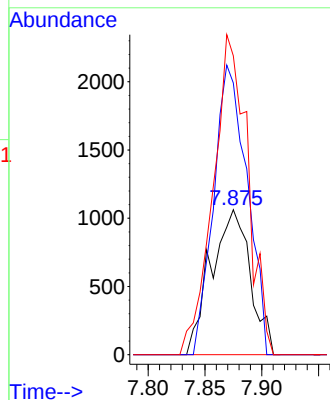
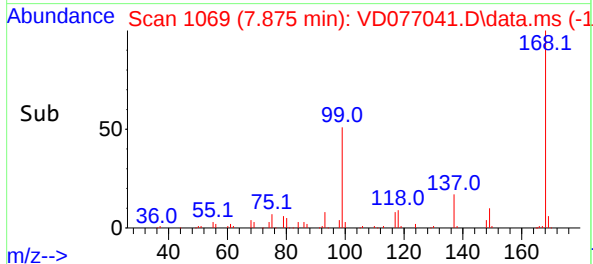


#31  
Cyclohexane  
Concen: 1.075 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

Instrument :  
MSVOA\_D  
ClientSampleId :

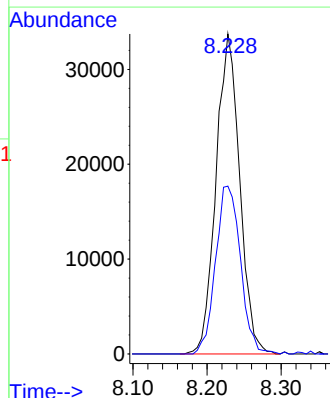
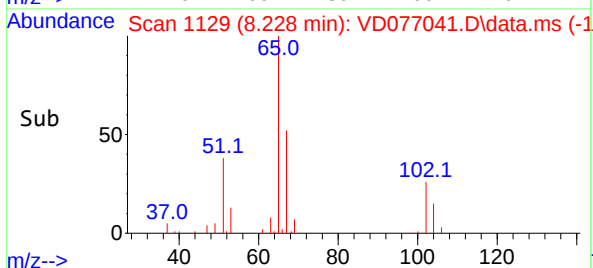
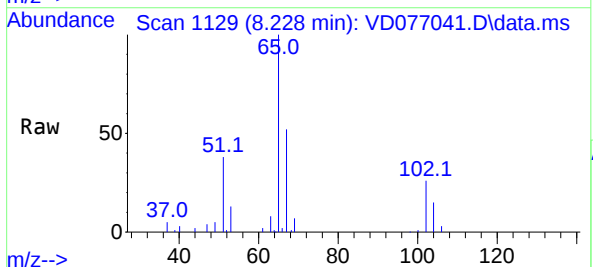


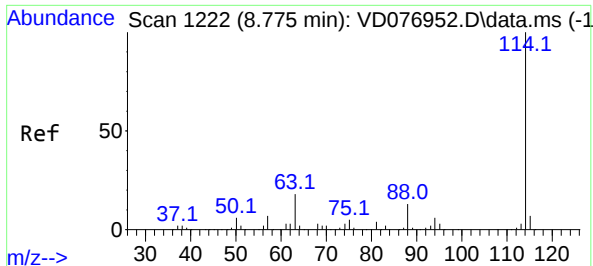
Tgt Ion: 56 Resp: 2562  
Ion Ratio Lower Upper  
56 100  
69 187.3 28.6 43.0#  
84 206.0 84.8 127.2#



#33  
1,2-Dichloroethane-d4  
Concen: 50.100 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

Tgt Ion: 65 Resp: 74761  
Ion Ratio Lower Upper  
65 100  
67 55.3 0.0 115.0

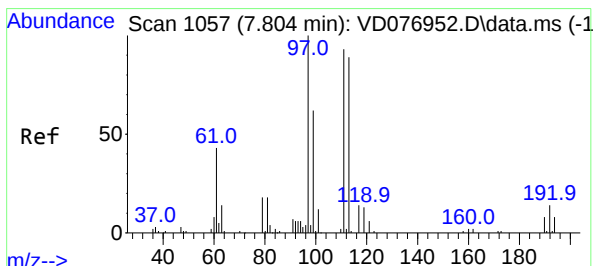
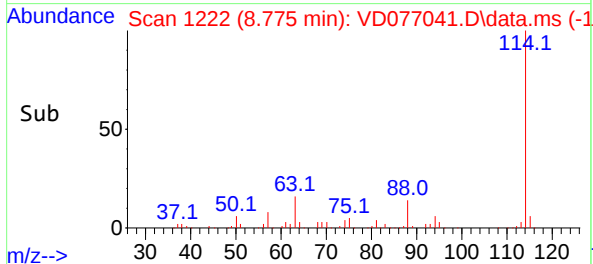
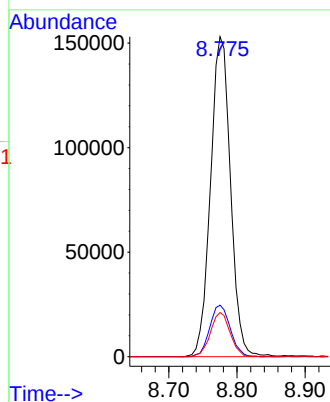
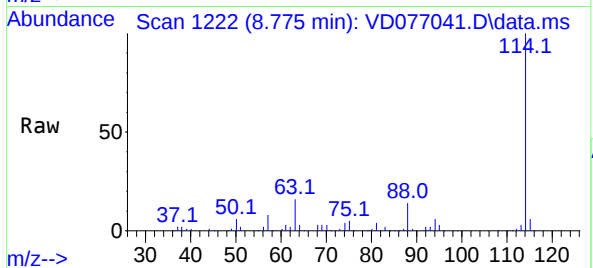




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

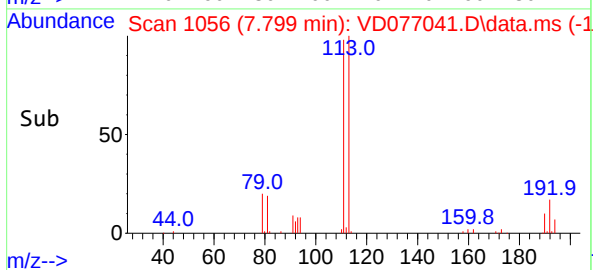
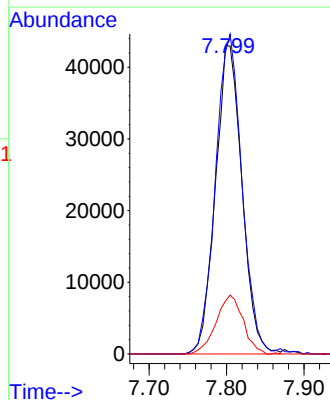
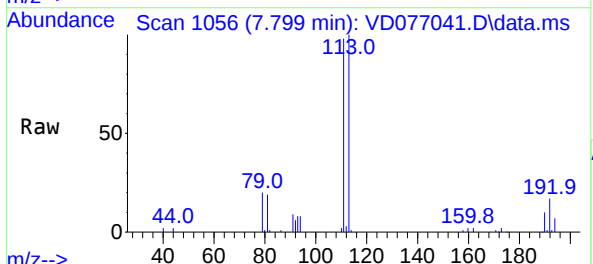
Instrument :  
MSVOA\_D  
ClientSampleId :

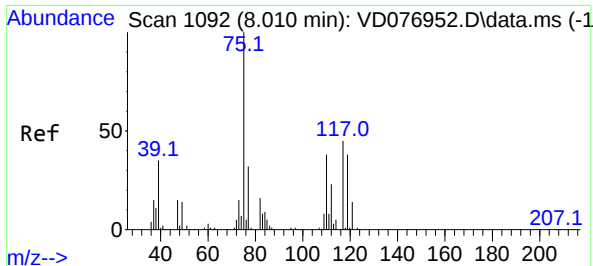
Tgt Ion:114 Resp: 312327  
Ion Ratio Lower Upper  
114 100  
63 16.1 0.0 33.4  
88 13.8 0.0 26.2



#35  
Dibromofluoromethane  
Concen: 49.095 ug/l  
RT: 7.799 min Scan# 1056  
Delta R.T. -0.005 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

Tgt Ion:113 Resp: 102439  
Ion Ratio Lower Upper  
113 100  
111 103.3 84.7 127.1  
192 19.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.776 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

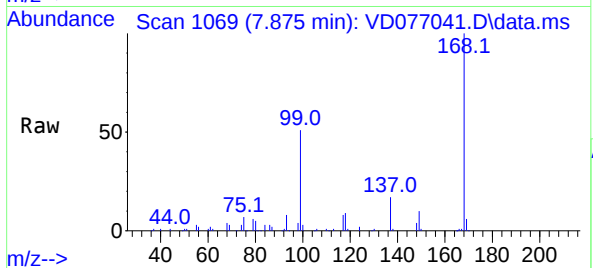
Lab File: VD077041.D

Acq: 28 Aug 2023 15:09

Instrument :

MSVOA\_D

ClientSampleId :



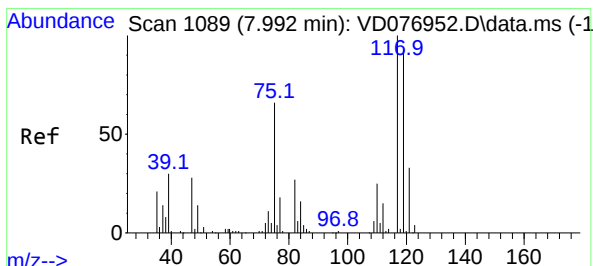
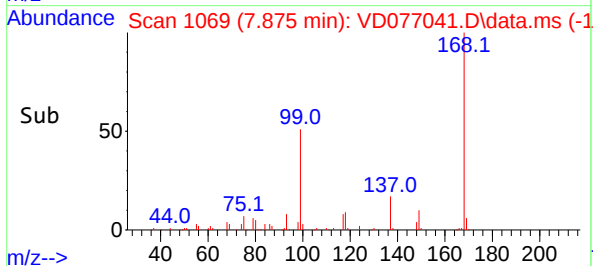
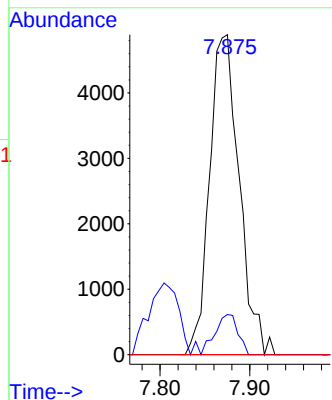
Tgt Ion: 75 Resp: 11225

Ion Ratio Lower Upper

75 100

110 9.7 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.015 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.123 min

Lab File: VD077041.D

Acq: 28 Aug 2023 15:09

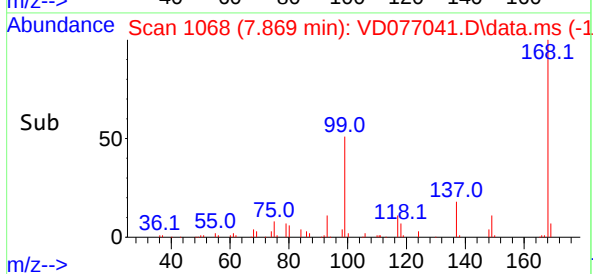
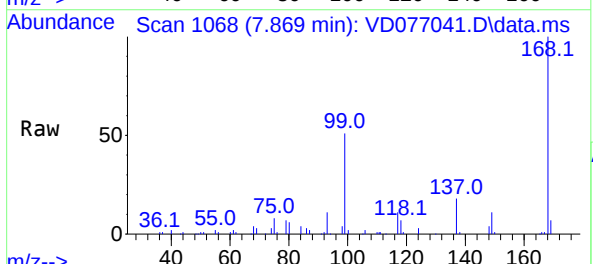
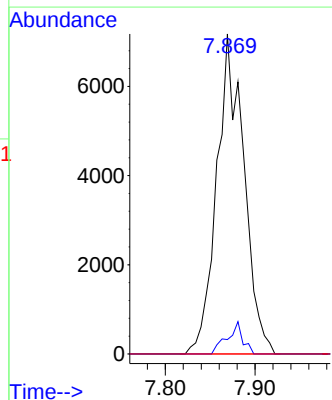
Tgt Ion: 117 Resp: 15071

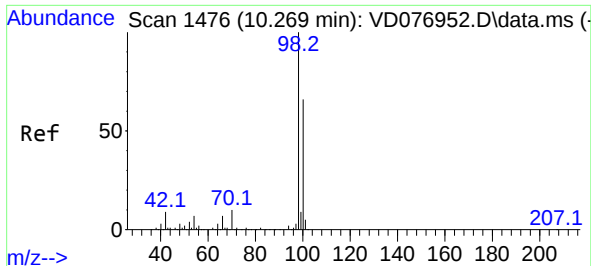
Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

121 0.0 24.2 36.2#

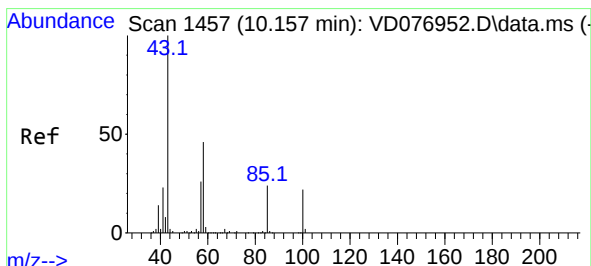
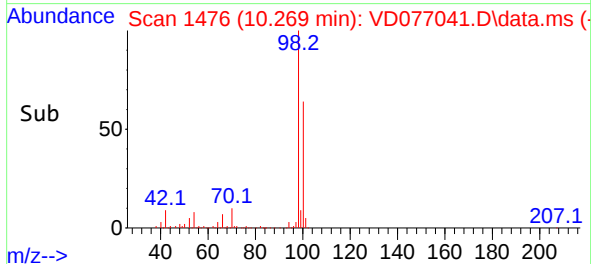
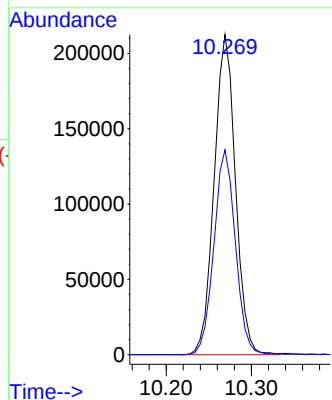
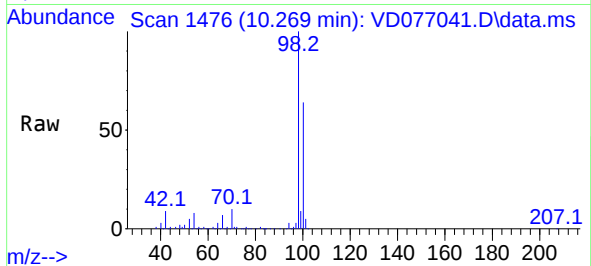




#50  
Toluene-d8  
Concen: 48.917 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

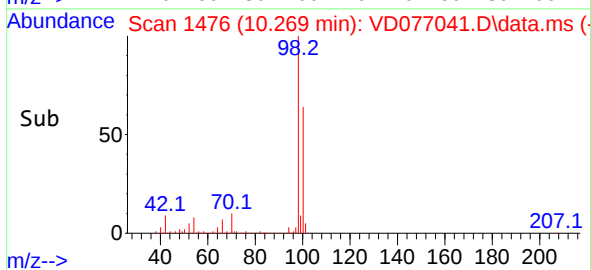
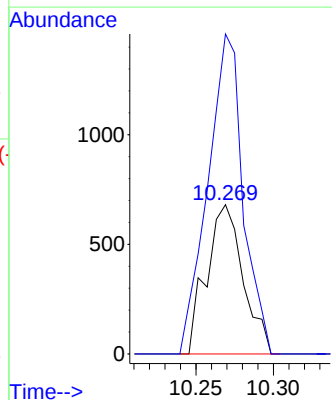
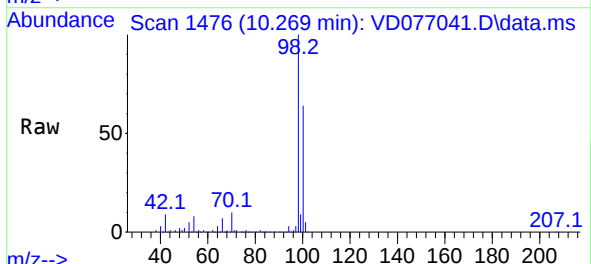
Instrument :  
MSVOA\_D  
ClientSampleId :

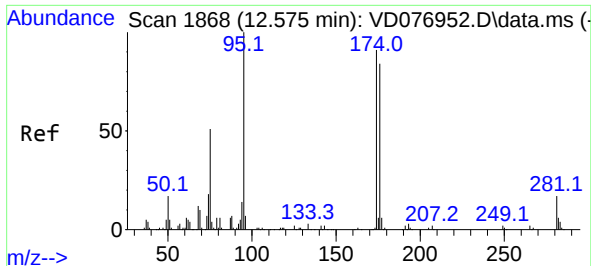
Tgt Ion: 98 Resp: 369254  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.3 75.5



#51  
4-Methyl-2-Pentanone  
Concen: 1.062 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.112 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

Tgt Ion: 43 Resp: 1113  
Ion Ratio Lower Upper  
43 100  
58 207.7 38.9 58.3#

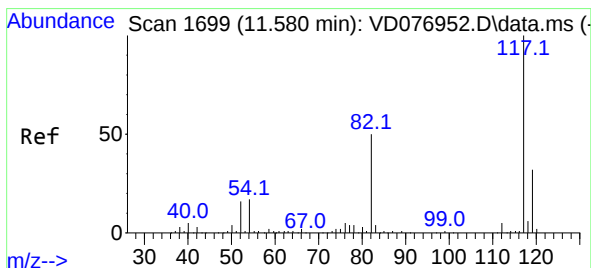
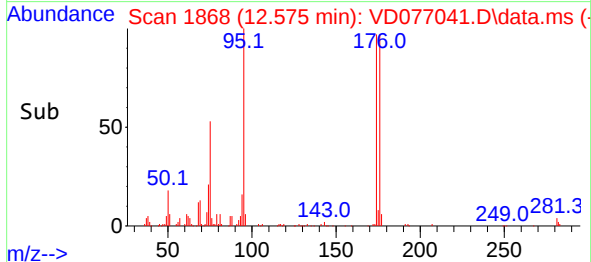
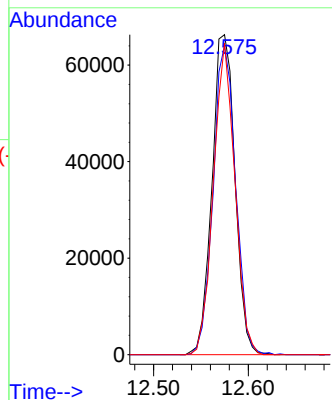
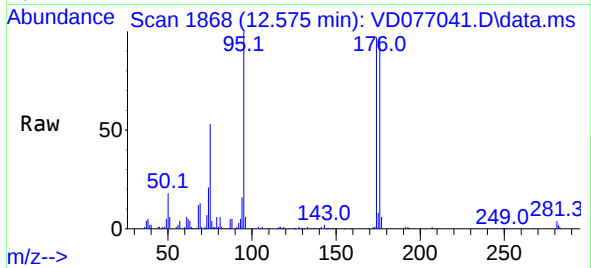




#62  
4-Bromofluorobenzene  
Concen: 50.172 ug/l  
RT: 12.575 min Scan# 11661  
Delta R.T. -0.000 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

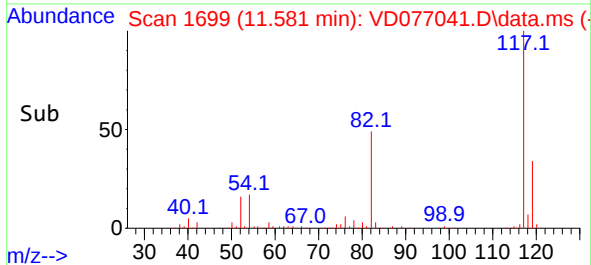
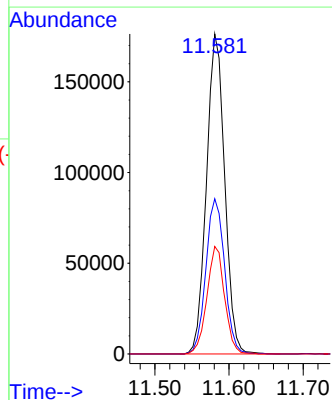
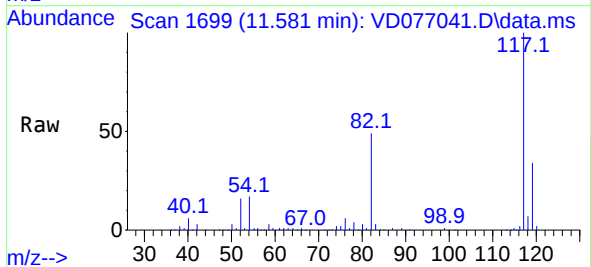
Instrument :  
MSVOA\_D  
ClientSampleId :

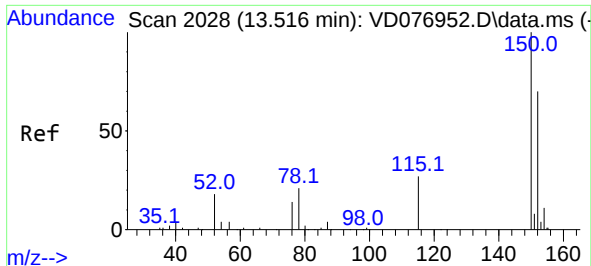
Tgt Ion: 95 Resp: 111661  
Ion Ratio Lower Upper  
95 100  
174 95.0 0.0 201.8  
176 91.0 0.0 191.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.001 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

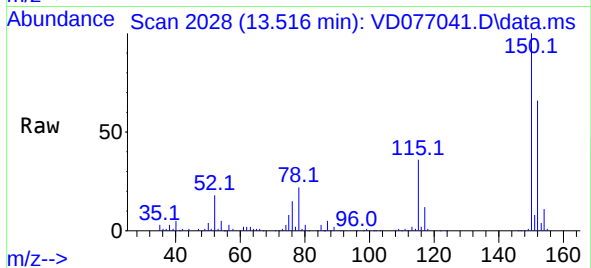
Tgt Ion: 117 Resp: 301217  
Ion Ratio Lower Upper  
117 100  
82 48.5 38.3 57.5  
119 33.6 25.0 37.4



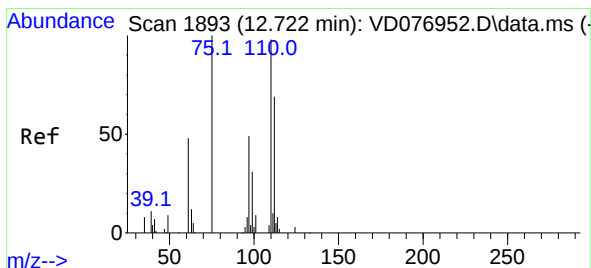
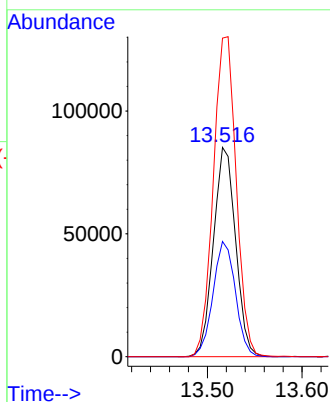
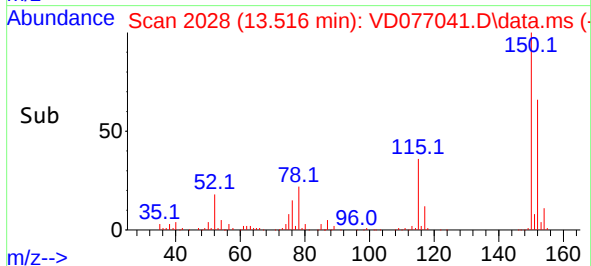


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

Instrument :  
MSVOA\_D  
ClientSampleId :

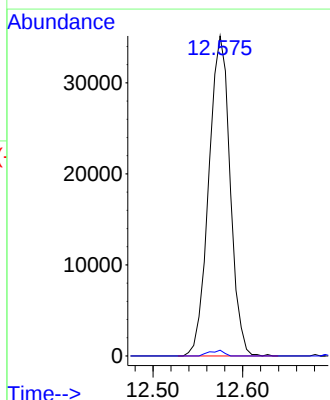
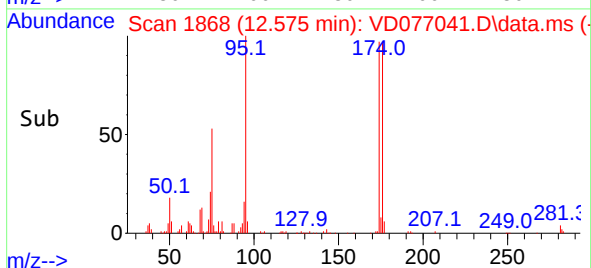
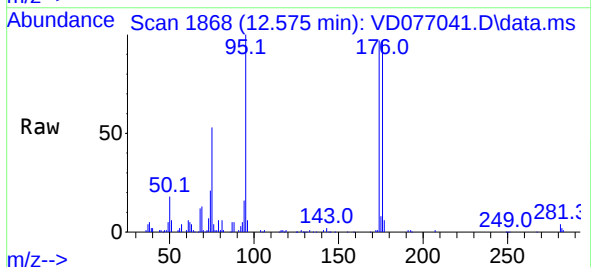


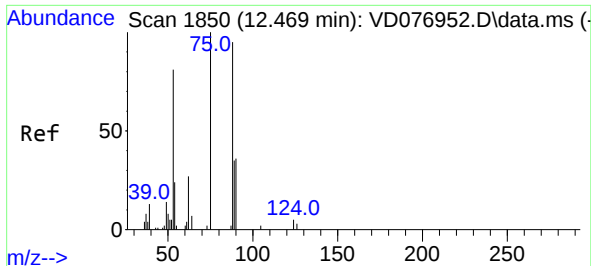
Tgt Ion:152 Resp: 138679  
Ion Ratio Lower Upper  
152 100  
115 55.6 27.1 81.3  
150 158.0 0.0 353.6



#76  
1,2,3-Trichloropropane  
Concen: 43.377 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD077041.D  
Acq: 28 Aug 2023 15:09

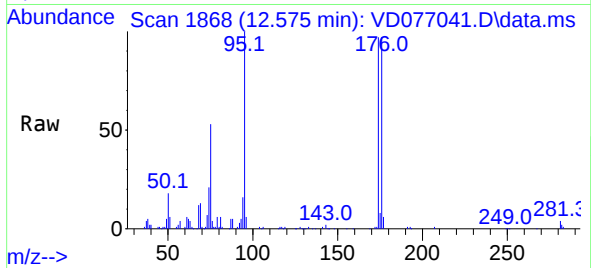
Tgt Ion: 75 Resp: 58021  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 100.713 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. 0.106 min  
 Lab File: VD077041.D  
 Acq: 28 Aug 2023 15:09

Instrument :  
 MSVOA\_D  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 58021 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 0.0   | 63.0  | 94.4# |
| 89       | 0.0   | 37.9  | 56.9# |

