

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052523\  
 Data File : VD076240.D  
 Acq On : 25 May 2023 18:38  
 Operator : KP/SY  
 Sample : 02268-21RE  
 Misc : 5.22G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP17

Quant Time: May 26 02:00:59 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

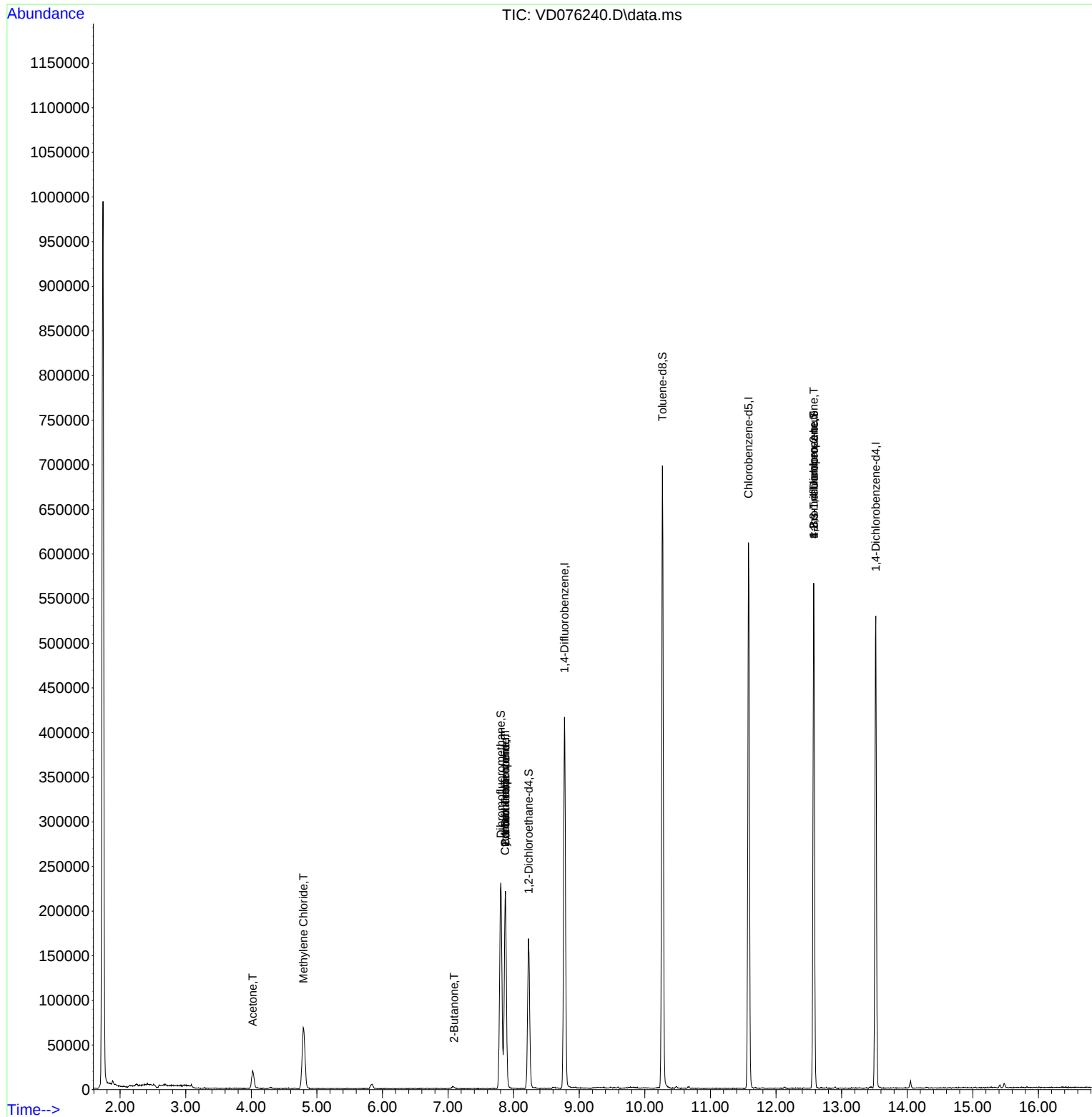
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 178830   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 393821   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 379900   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 149218   | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 124929   | 72.282    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 144.560% |          |
| 35) Dibromofluoromethane      | 7.804  | 113   | 172612   | 63.410    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 126.820% |          |
| 50) Toluene-d8                | 10.269 | 98    | 501647   | 47.273    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 94.540%  |          |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 170683   | 57.902    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 115.800% |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 2.140  | 50    | 509      | Below Cal | #          | 40       |
| 16) Acetone                   | 4.022  | 43    | 33127    | 96.334    | ug/l       | 89       |
| 17) Carbon Disulfide          | 4.287  | 76    | 55       | Below Cal | #          | 73       |
| 20) Methylene Chloride        | 4.793  | 84    | 59107    | 15.178    | ug/l       | # 77     |
| 25) 2-Butanone                | 7.093  | 43    | 1231     | 2.847     | ug/l       | # 75     |
| 31) Cyclohexane               | 7.869  | 56    | 3602     | 1.361     | ug/l       | # 1      |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 14409    | 3.919     | ug/l       | # 49     |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 16887    | 5.085     | ug/l       | # 17     |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 84146    | 64.441    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 84146    | 135.187   | ug/l       | # 5      |
| -----                         |        |       |          |           |            |          |

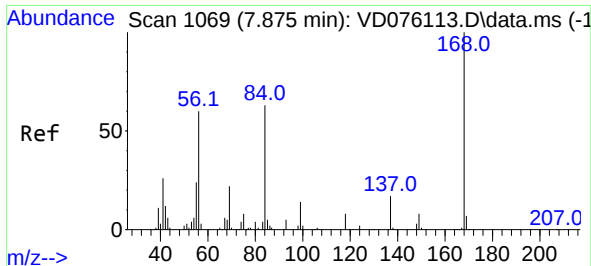
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052523\  
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MSVOA\_D  
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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

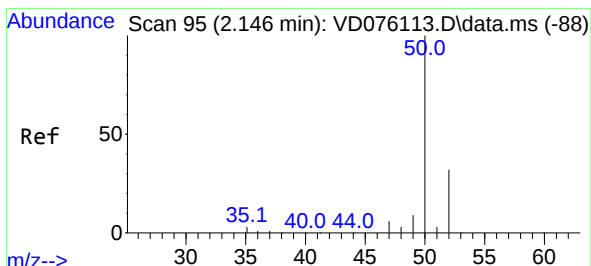
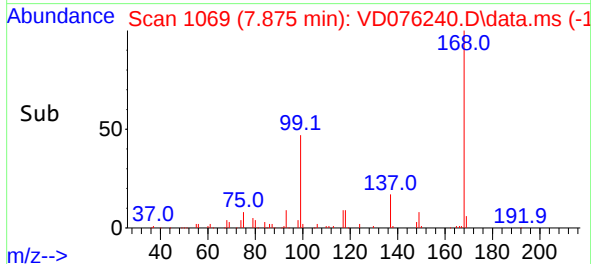
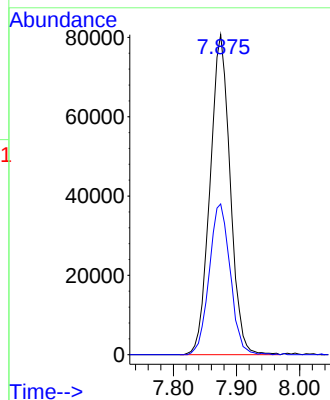
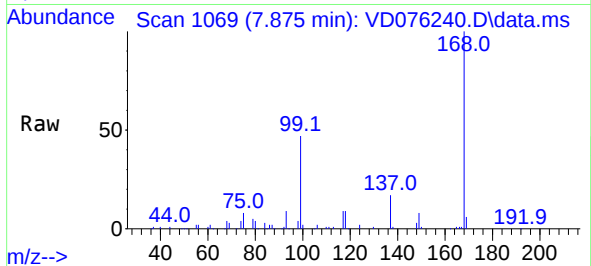




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

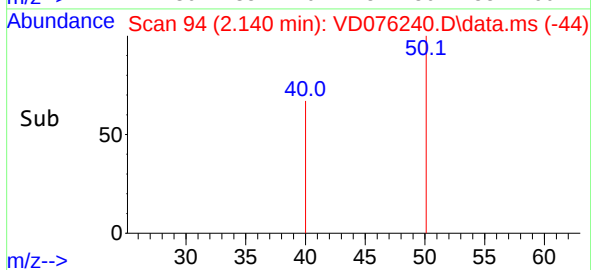
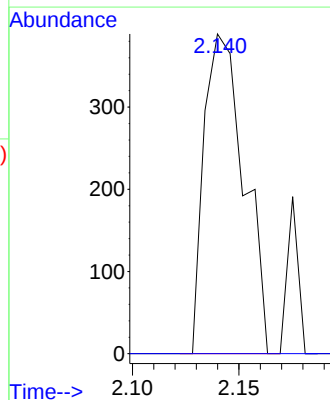
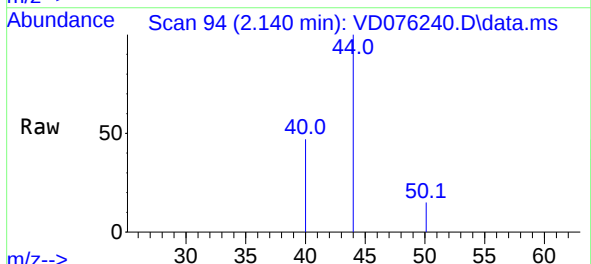
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP17

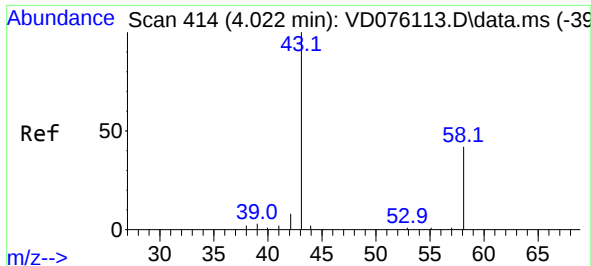
Tgt Ion:168 Resp: 178830  
Ion Ratio Lower Upper  
168 100  
99 47.1 43.8 65.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.140 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

Tgt Ion: 50 Resp: 509  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.8 41.8#

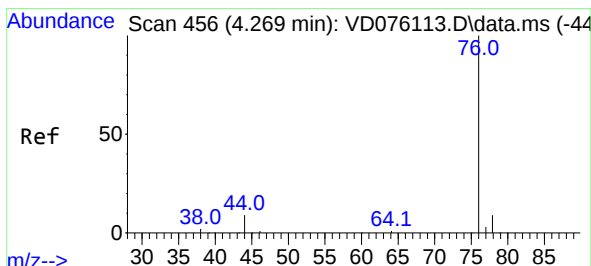
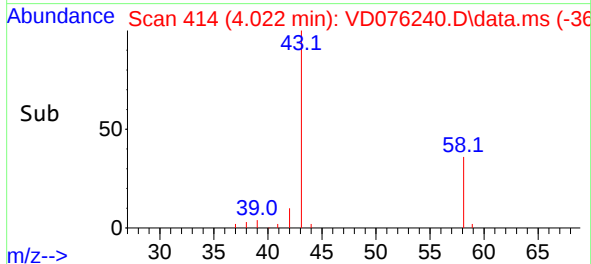
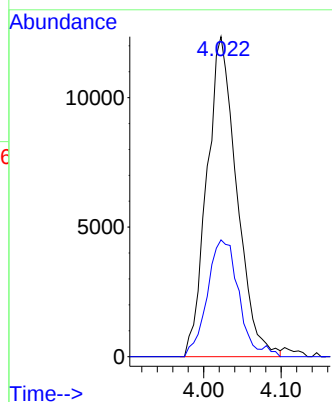
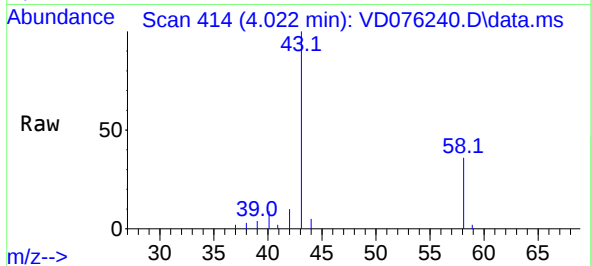




#16  
Acetone  
Concen: 96.334 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

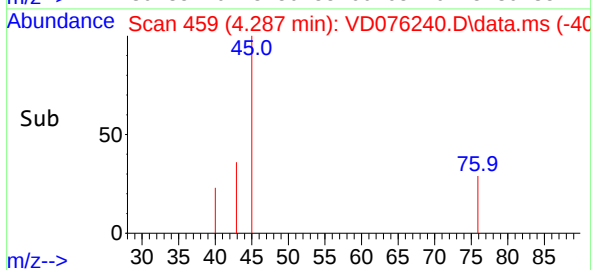
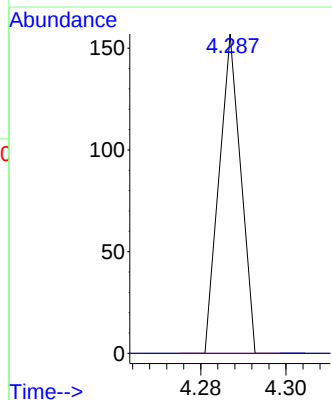
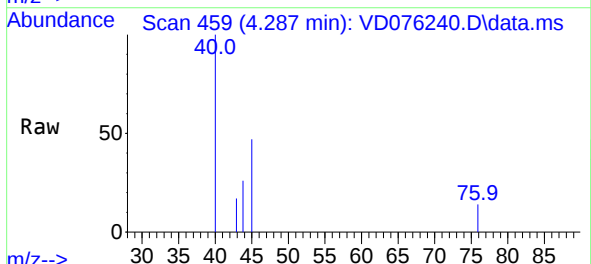
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP17

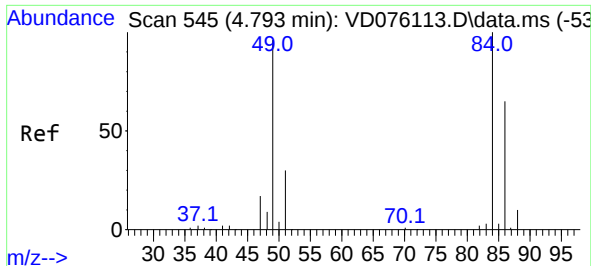
Tgt Ion: 43 Resp: 33127  
Ion Ratio Lower Upper  
43 100  
58 36.5 24.4 36.6



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.287 min Scan# 459  
Delta R.T. 0.018 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

Tgt Ion: 76 Resp: 55  
Ion Ratio Lower Upper  
76 100  
78 0.0 8.0 12.0#

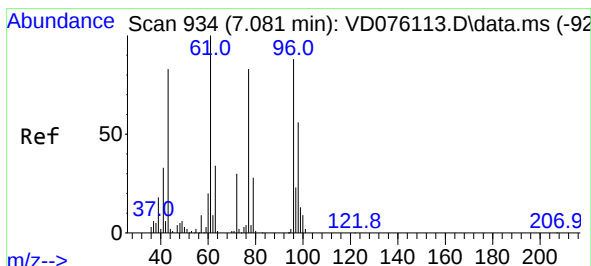
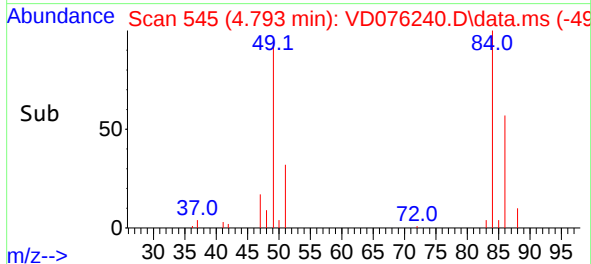
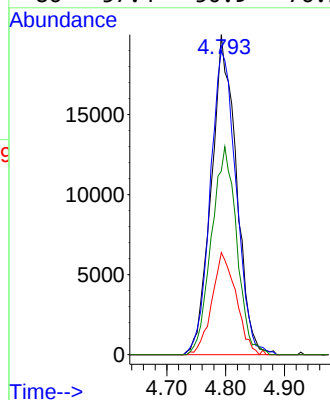
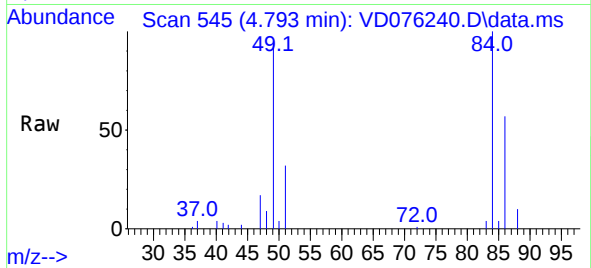




#20  
Methylene Chloride  
Concen: 15.178 ug/l  
RT: 4.793 min Scan# 545  
Delta R.T. -0.006 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

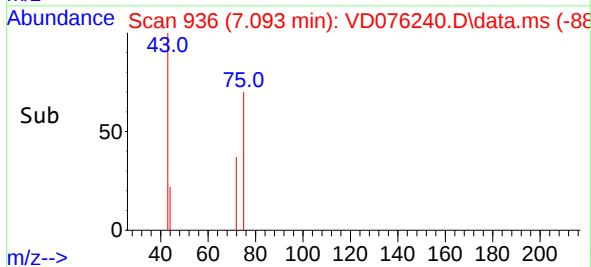
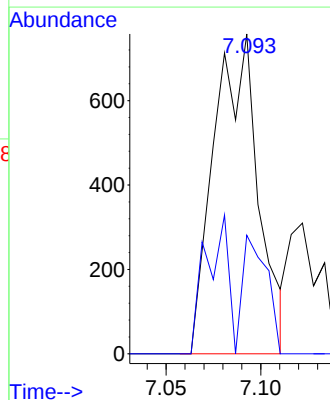
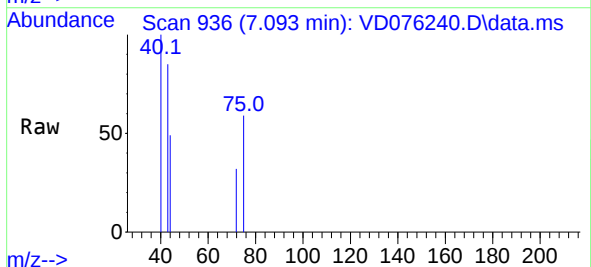
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP17

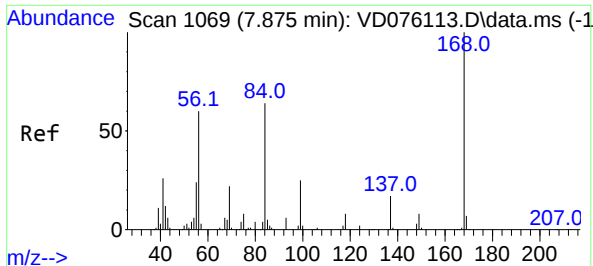
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 59107  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 95.0  | 106.4 | 159.6# |
| 51       | 31.9  | 32.4  | 48.6#  |
| 86       | 57.4  | 50.9  | 76.3   |



#25  
2-Butanone  
Concen: 2.847 ug/l  
RT: 7.093 min Scan# 936  
Delta R.T. 0.012 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1231  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 37.1  | 19.8  | 29.8# |

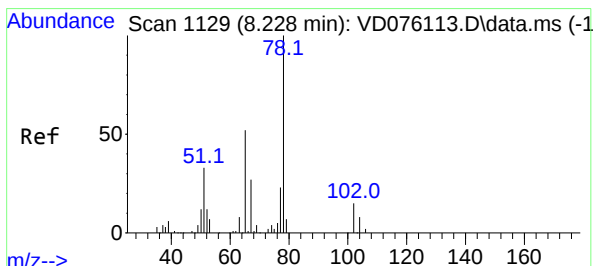
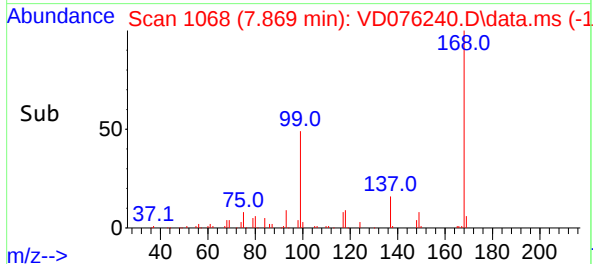
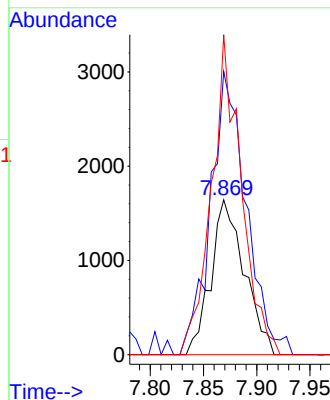
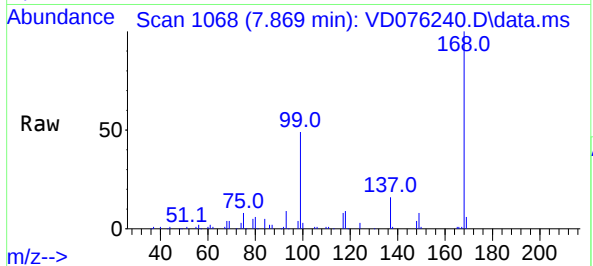




#31  
Cyclohexane  
Concen: 1.361 ug/l  
RT: 7.869 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

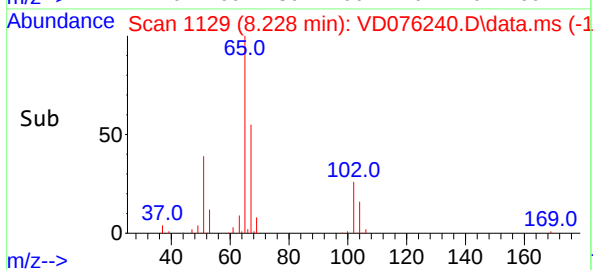
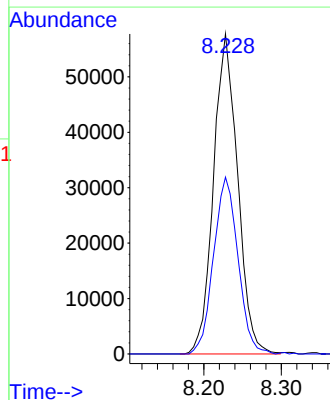
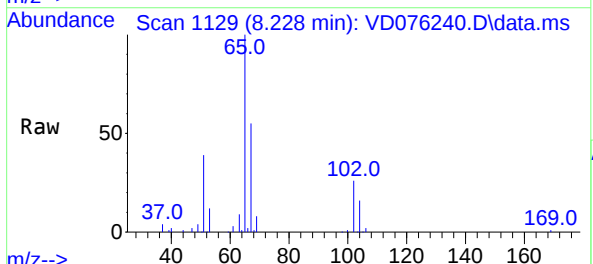
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP17

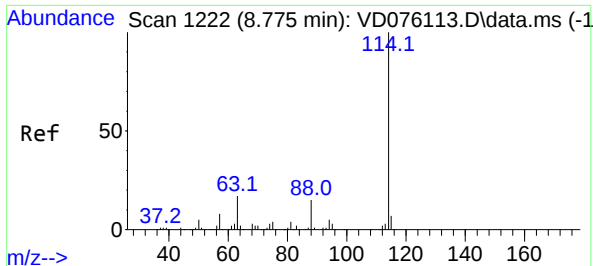
Tgt Ion: 56 Resp: 3602  
Ion Ratio Lower Upper  
56 100  
69 182.8 25.5 38.3#  
84 206.6 69.6 104.4#



#33  
1,2-Dichloroethane-d4  
Concen: 72.282 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

Tgt Ion: 65 Resp: 124929  
Ion Ratio Lower Upper  
65 100  
67 55.8 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076240.D

Acq: 25 May 2023 18:38

Instrument :

MSVOA\_D

ClientSampleId :

TP17

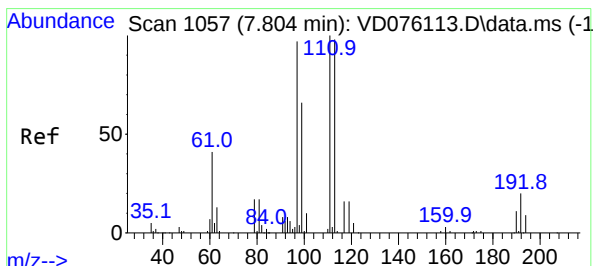
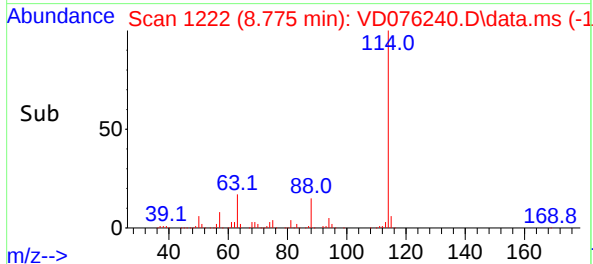
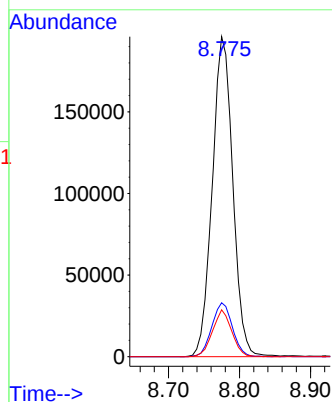
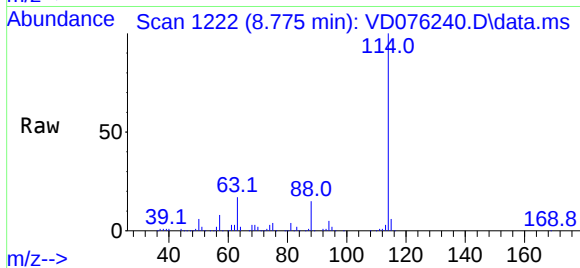
Tgt Ion:114 Resp: 393821

Ion Ratio Lower Upper

114 100

63 16.8 0.0 41.6

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 63.410 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076240.D

Acq: 25 May 2023 18:38

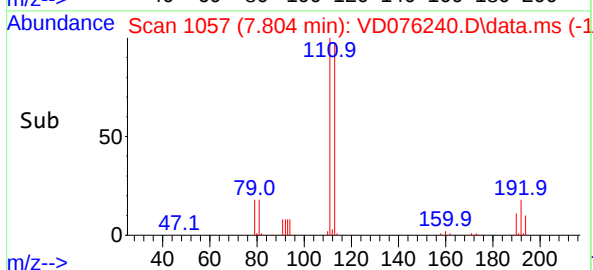
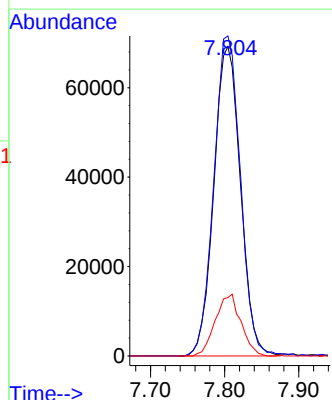
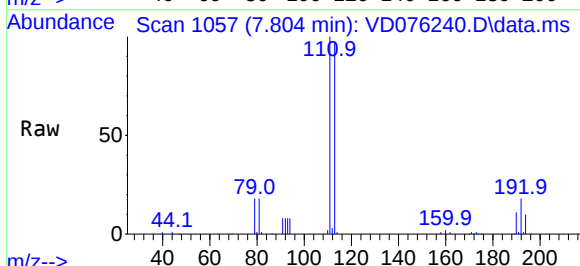
Tgt Ion:113 Resp: 172612

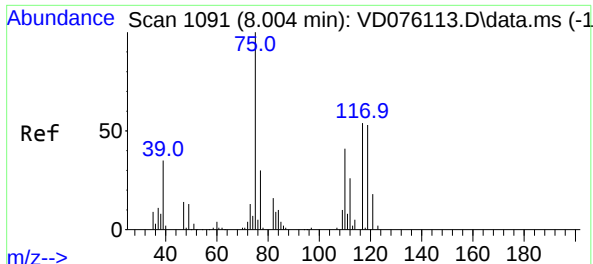
Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 19.2 15.2 22.8

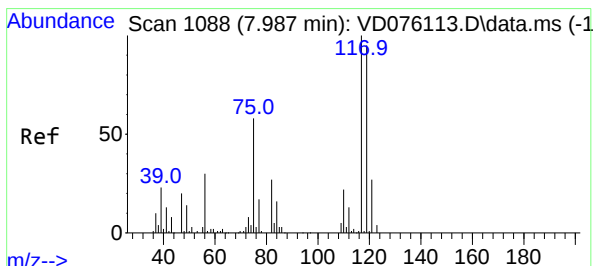
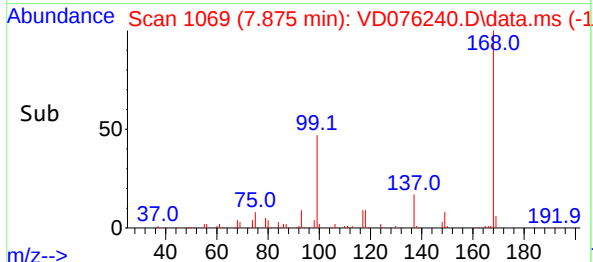
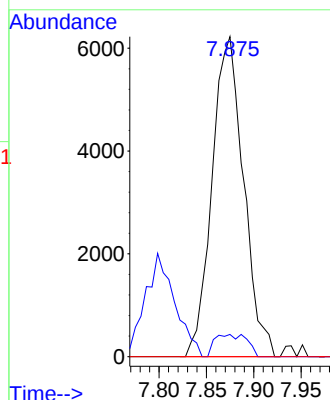
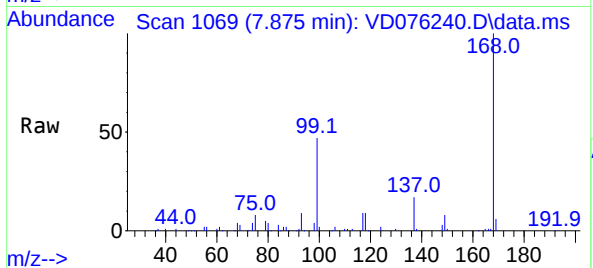




#36  
1,1-Dichloropropene  
Concen: 3.919 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.135 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

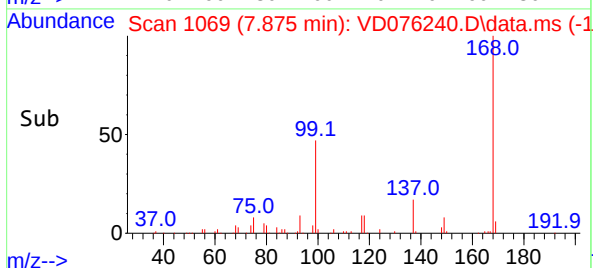
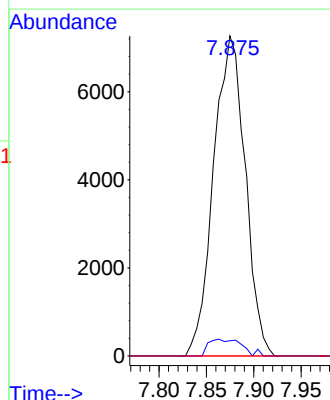
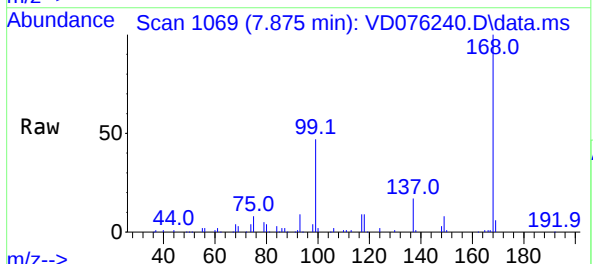
Instrument :  
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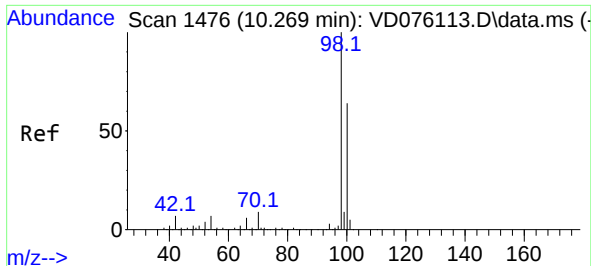
Tgt Ion: 75 Resp: 14409  
Ion Ratio Lower Upper  
75 100  
110 7.1 17.1 51.2#  
77 0.0 24.6 36.8#



#38  
Carbon Tetrachloride  
Concen: 5.085 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.118 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

Tgt Ion: 117 Resp: 16887  
Ion Ratio Lower Upper  
117 100  
119 4.8 74.7 112.1#  
121 0.0 25.9 38.9#

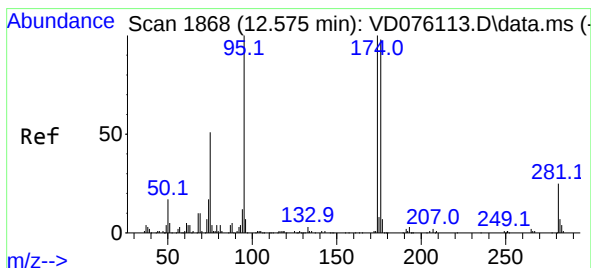
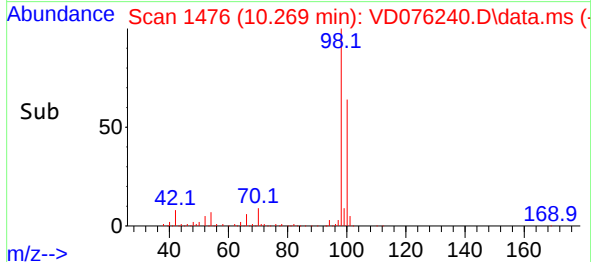
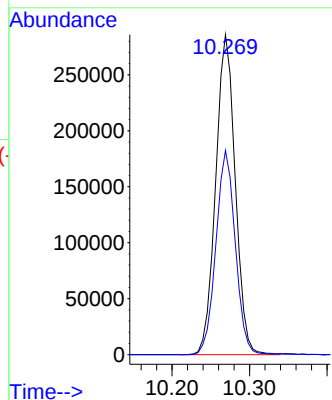
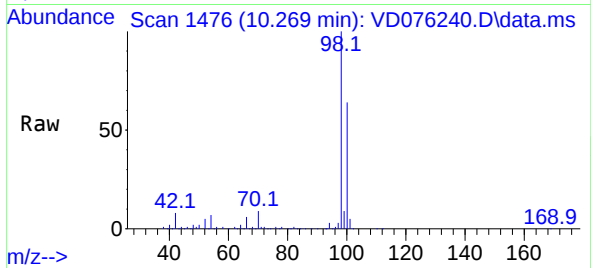




#50  
Toluene-d8  
Concen: 47.273 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

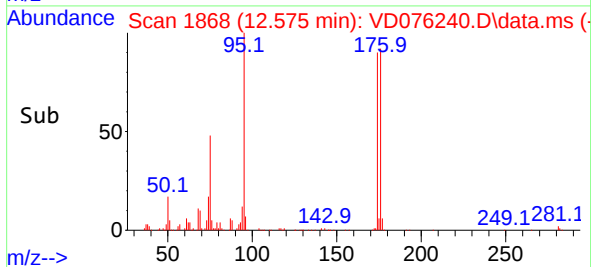
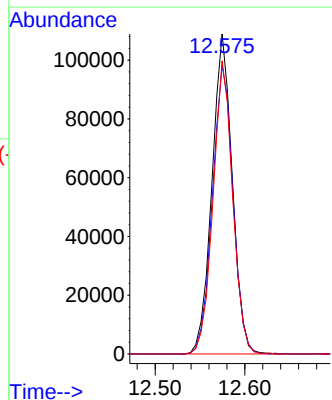
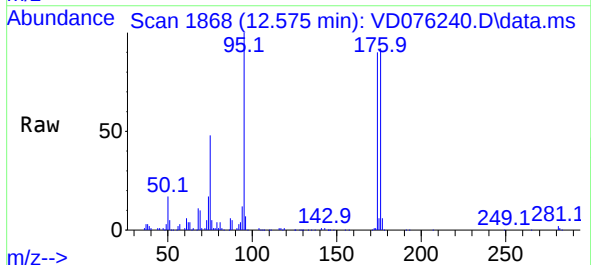
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP17

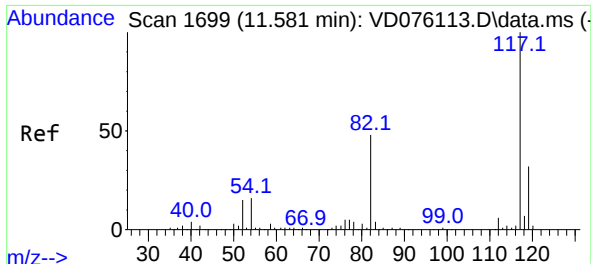
Tgt Ion: 98 Resp: 501647  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 57.902 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

Tgt Ion: 95 Resp: 170683  
Ion Ratio Lower Upper  
95 100  
174 91.8 0.0 164.0  
176 88.6 0.0 156.8

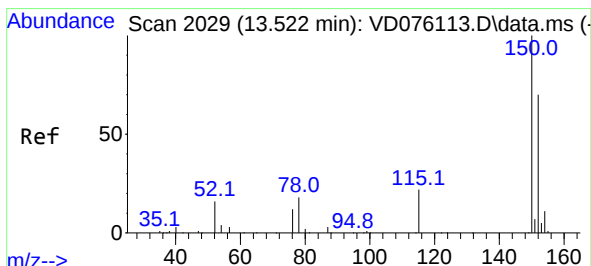
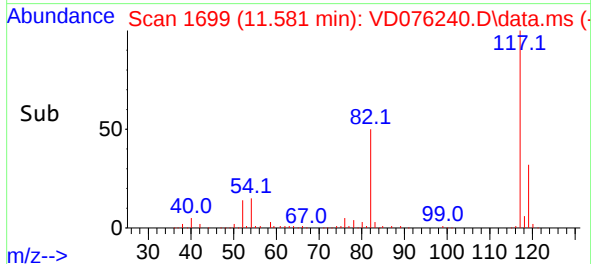
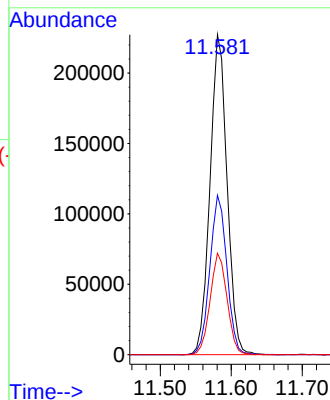
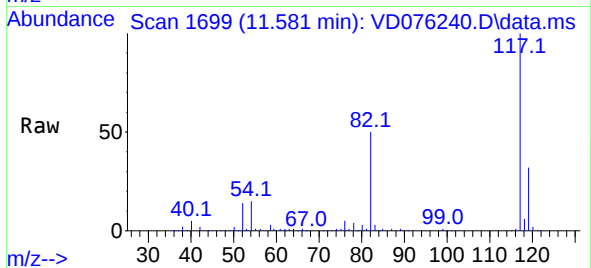




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

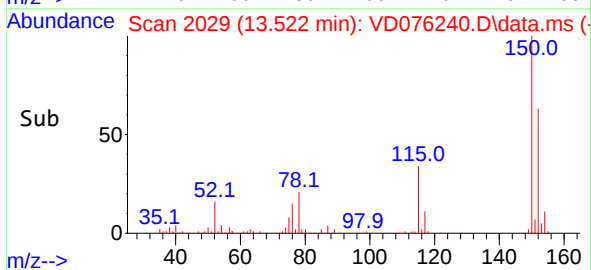
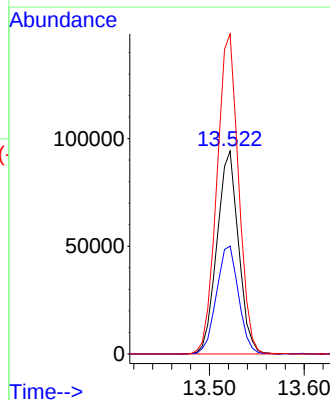
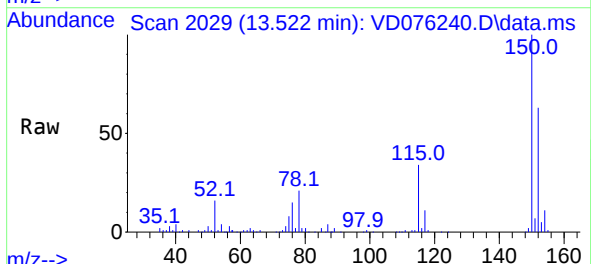
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP17

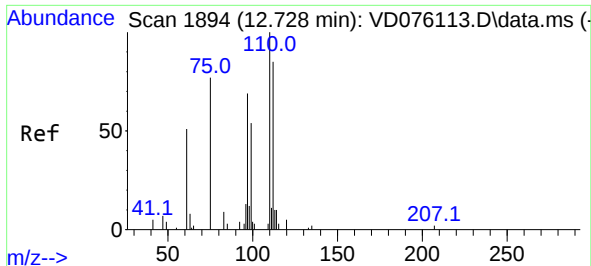
Tgt Ion:117 Resp: 379900  
Ion Ratio Lower Upper  
117 100  
82 49.8 44.0 66.0  
119 31.7 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

Tgt Ion:152 Resp: 149218  
Ion Ratio Lower Upper  
152 100  
115 54.6 30.1 90.3  
150 158.4 0.0 364.8

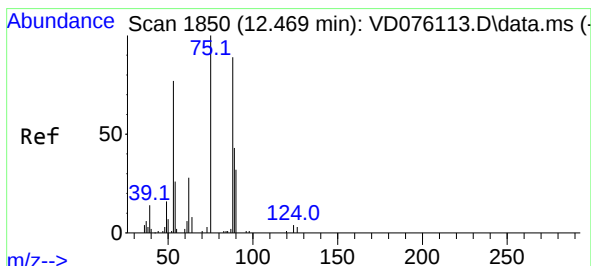
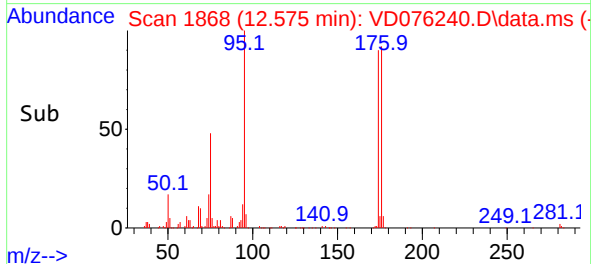
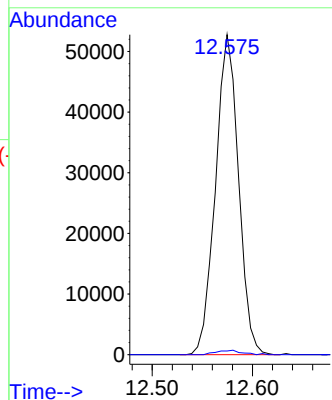
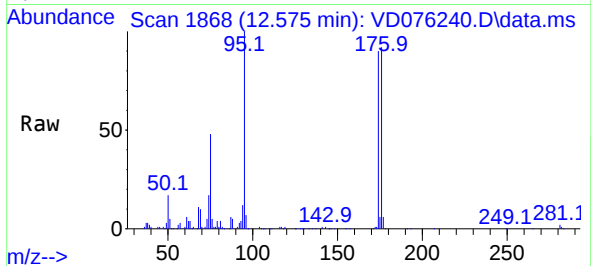




#76  
1,2,3-Trichloropropane  
Concen: 64.441 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.153 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP17

Tgt Ion: 75 Resp: 84146  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 135.187 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.100 min  
Lab File: VD076240.D  
Acq: 25 May 2023 18:38

Tgt Ion: 75 Resp: 84146  
Ion Ratio Lower Upper  
75 100  
53 0.2 90.5 135.7#  
89 0.0 40.2 60.4#

