

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031824\  
 Data File : VD078698.D  
 Acq On : 18 Mar 2024 15:50  
 Operator : RP/MD  
 Sample : P1786-01  
 Misc : 7.79G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-15

Quant Time: Mar 19 01:27:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:38:03 2024  
 Response via : Initial Calibration

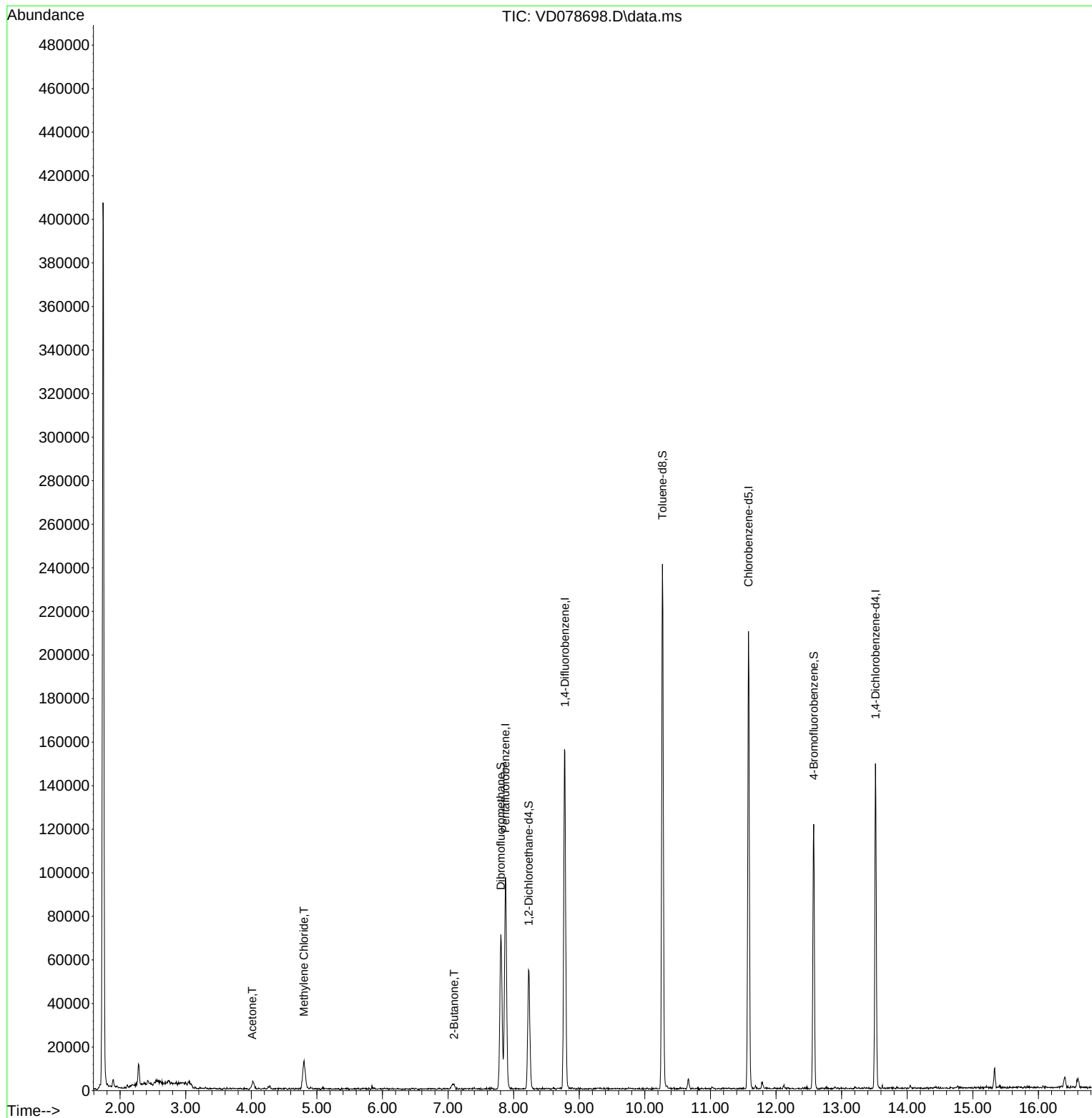
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 73708    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.781  | 114   | 145363   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 124817   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 39311    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 41403    | 59.938   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 119.880% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 50757    | 54.232   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 108.460% |
| 50) Toluene-d8              | 10.269 | 98    | 171746   | 49.897   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 99.800%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 37111    | 36.854   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 73.700%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.016  | 43    | 5570     | 41.699   | ug/l # | 78       |
| 20) Methylene Chloride      | 4.805  | 84    | 9940     | 6.696    | ug/l   | 90       |
| 25) 2-Butanone              | 7.093  | 43    | 1537     | 8.655    | ug/l   | 93       |
| -----                       |        |       |          |          |        |          |

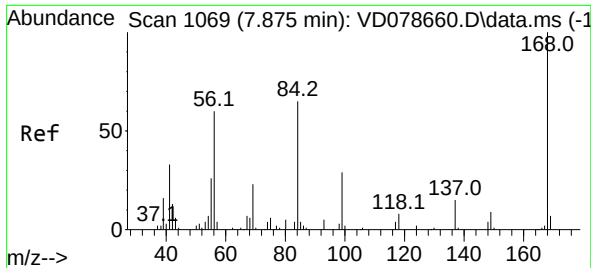
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Mar 15 05:38:03 2024  
Response via : Initial Calibration

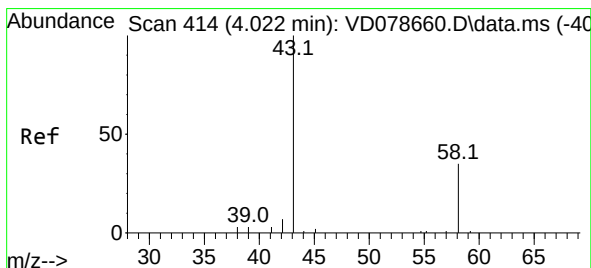
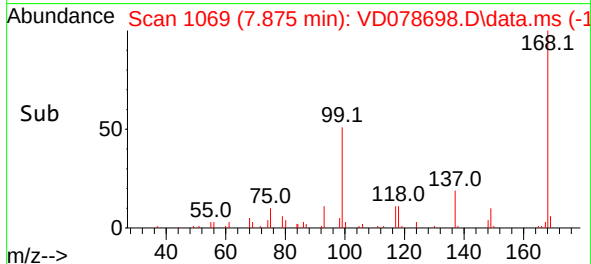
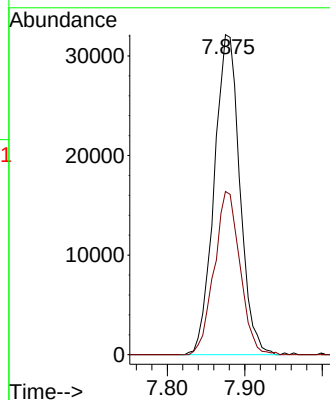
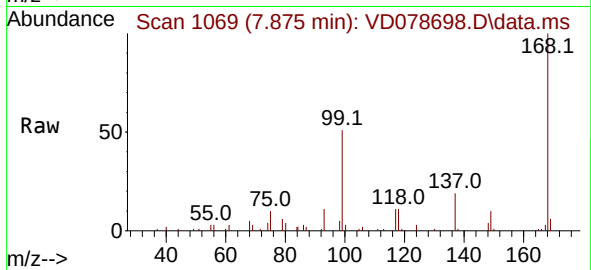




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

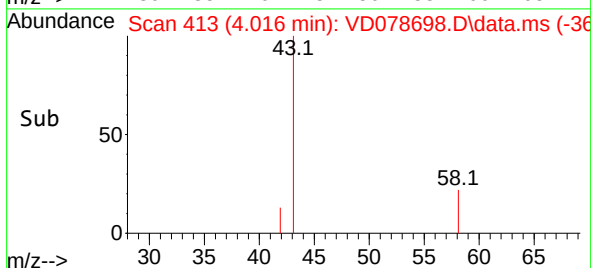
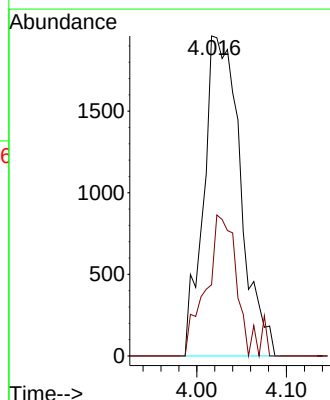
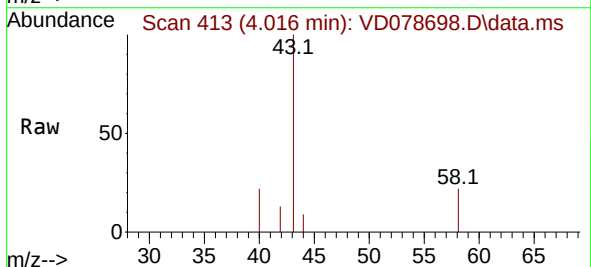
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-15

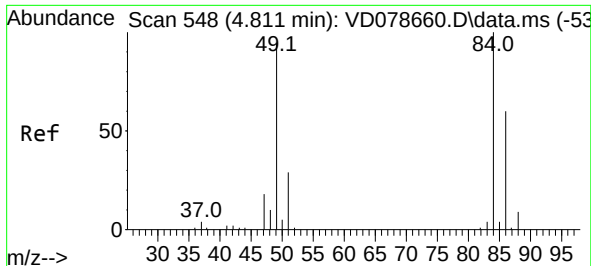
Tgt Ion:168 Resp: 73708  
Ion Ratio Lower Upper  
168 100  
99 51.0 38.8 58.2



#16  
Acetone  
Concen: 41.699 ug/l  
RT: 4.016 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

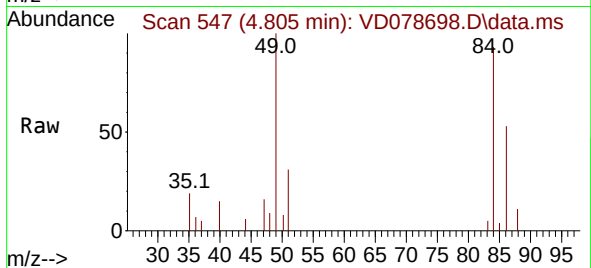
Tgt Ion: 43 Resp: 5570  
Ion Ratio Lower Upper  
43 100  
58 22.2 28.2 42.4#



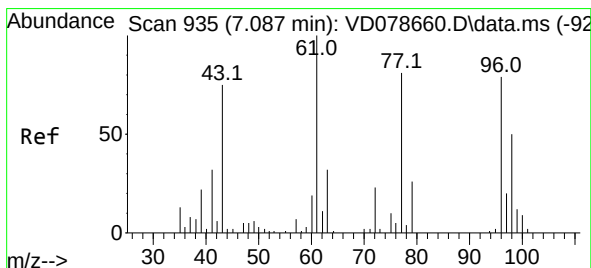
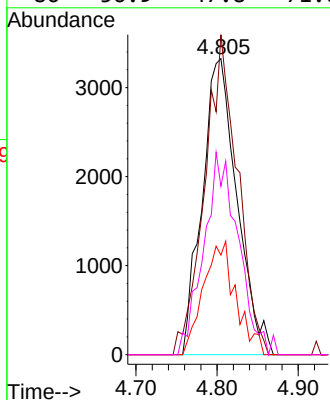
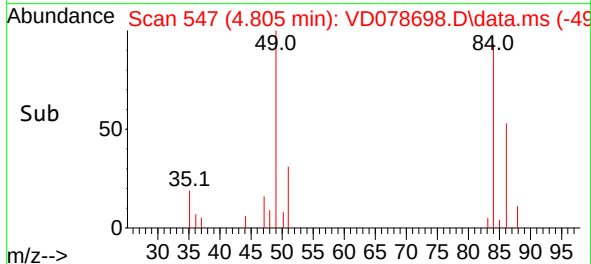


#20  
Methylene Chloride  
Concen: 6.696 ug/l  
RT: 4.805 min Scan# 548  
Delta R.T. -0.006 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

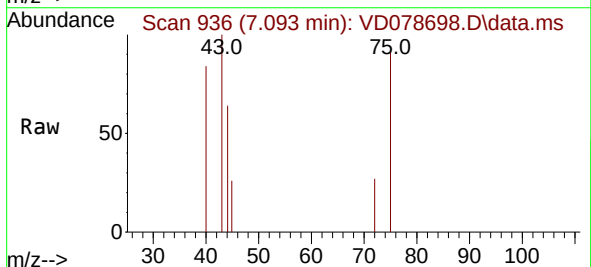
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-15



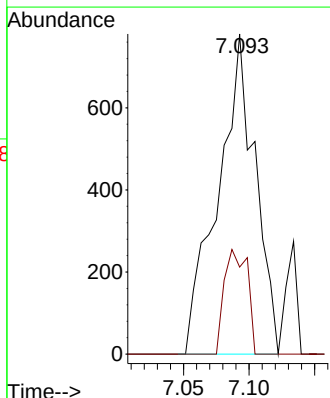
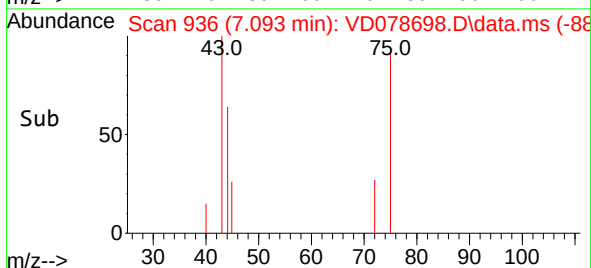
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 84 | Resp: | 9940  |       |
| Ion         | Ratio | Lower | Upper |
| 84          | 100   |       |       |
| 49          | 108.1 | 75.6  | 113.4 |
| 51          | 33.6  | 23.4  | 35.0  |
| 86          | 56.9  | 47.8  | 71.6  |

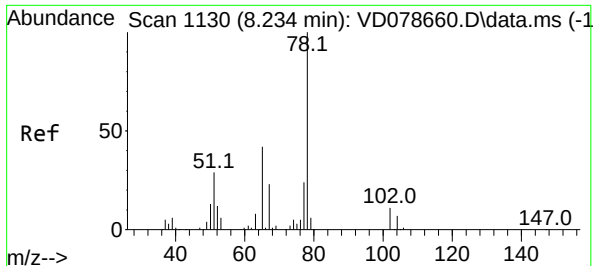


#25  
2-Butanone  
Concen: 8.655 ug/l  
RT: 7.093 min Scan# 936  
Delta R.T. 0.006 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50



|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 43 | Resp: | 1537  |       |
| Ion         | Ratio | Lower | Upper |
| 43          | 100   |       |       |
| 72          | 27.2  | 25.0  | 37.6  |





#33

1,2-Dichloroethane-d4

Concen: 59.938 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078698.D

Acq: 18 Mar 2024 15:50

Instrument :

MSVOA\_D

ClientSampleId :

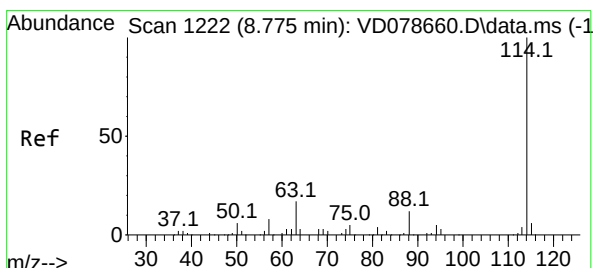
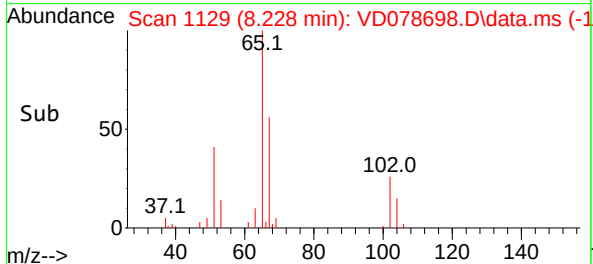
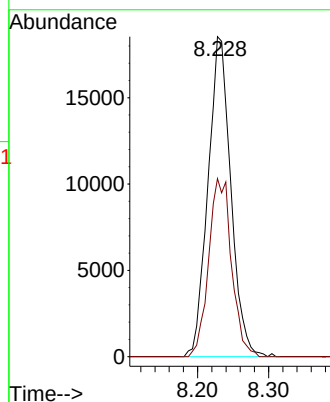
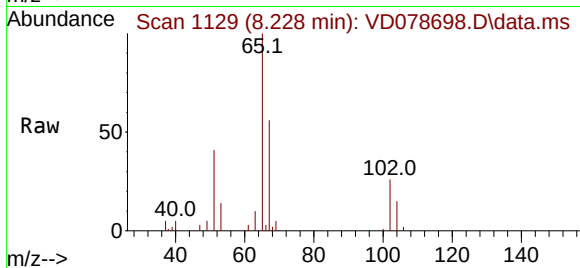
TP-15

Tgt Ion: 65 Resp: 41403

Ion Ratio Lower Upper

65 100

67 55.7 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD078698.D

Acq: 18 Mar 2024 15:50

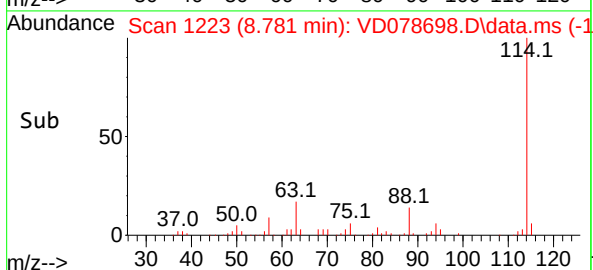
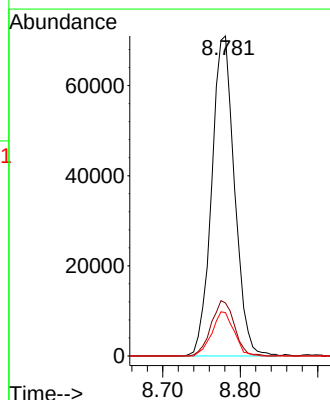
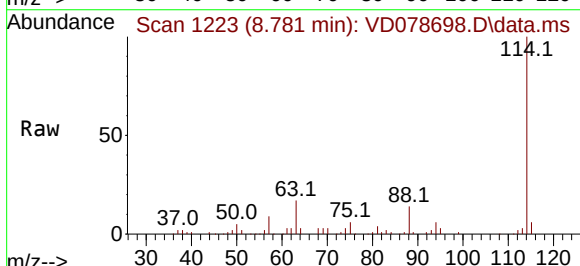
Tgt Ion: 114 Resp: 145363

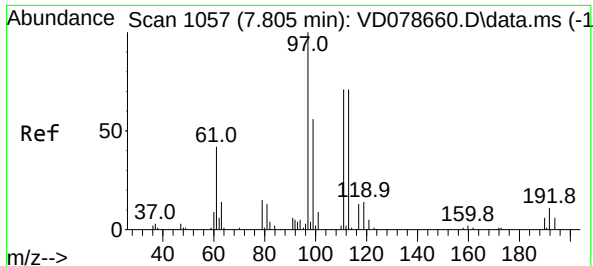
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 13.5 0.0 24.6





#35

Dibromofluoromethane

Concen: 54.232 ug/l

RT: 7.804 min Scan# 110

Delta R.T. -0.000 min

Lab File: VD078698.D

Acq: 18 Mar 2024 15:50

Instrument :

MSVOA\_D

ClientSampleId :

TP-15

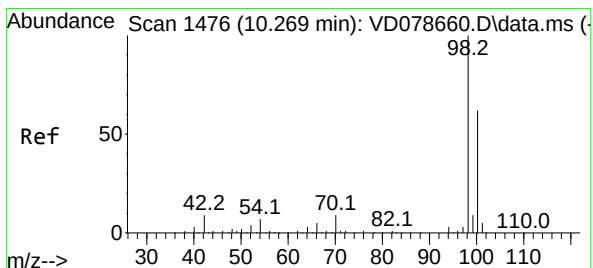
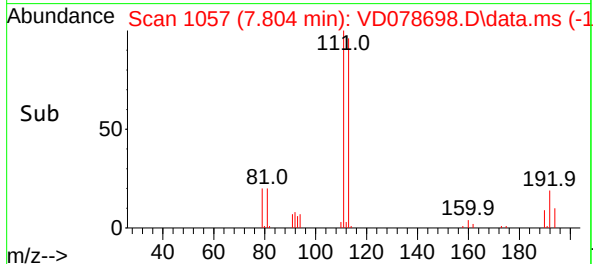
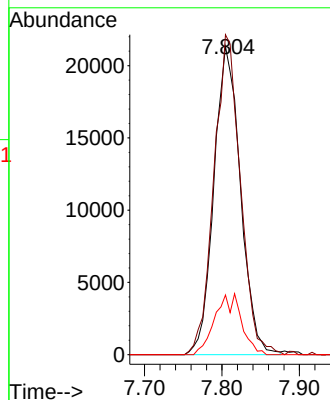
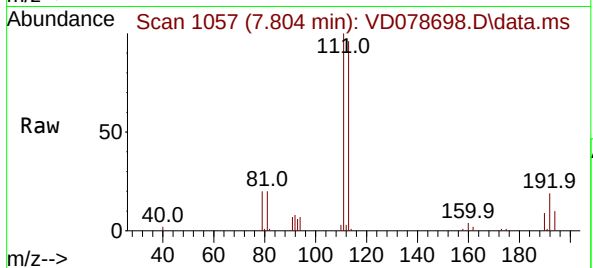
Tgt Ion:113 Resp: 50757

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 19.8 15.4 23.0



#50

Toluene-d8

Concen: 49.897 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078698.D

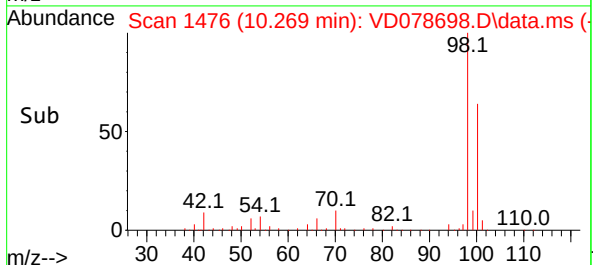
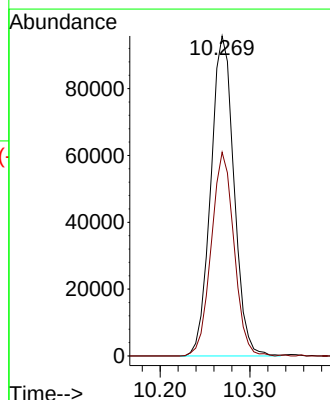
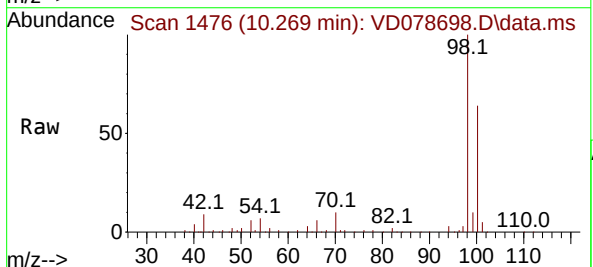
Acq: 18 Mar 2024 15:50

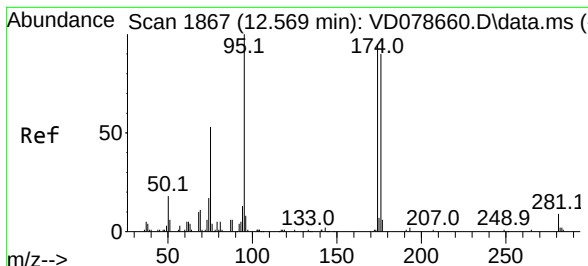
Tgt Ion: 98 Resp: 171746

Ion Ratio Lower Upper

98 100

100 62.4 50.5 75.7

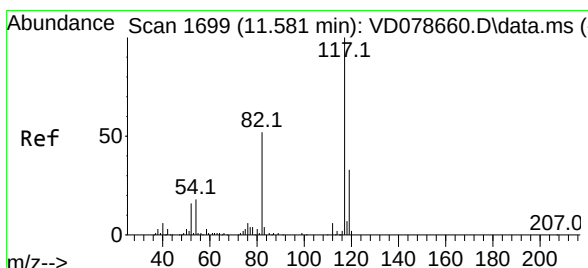
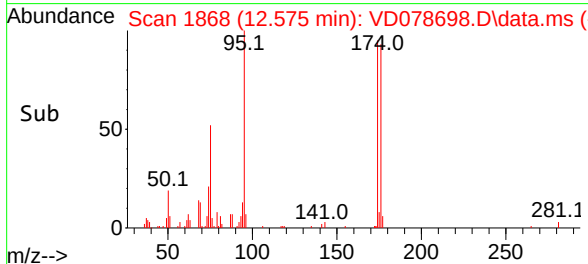
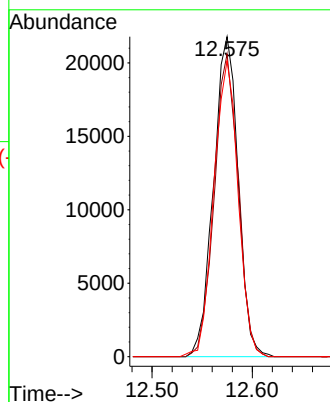
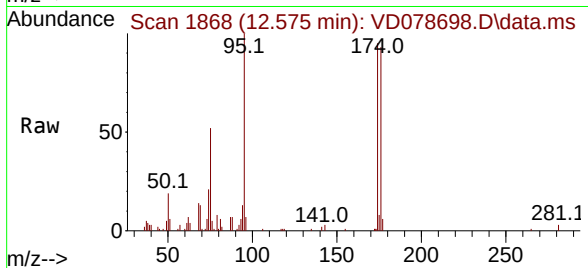




#62  
4-Bromofluorobenzene  
Concen: 36.854 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

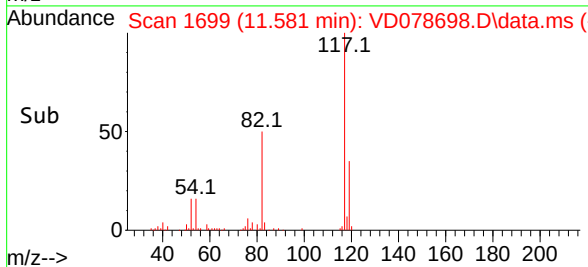
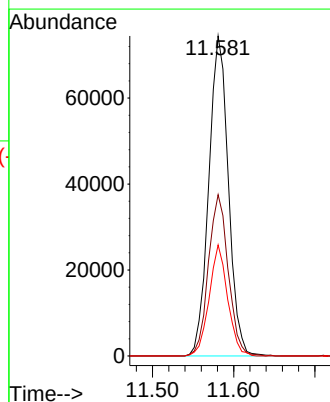
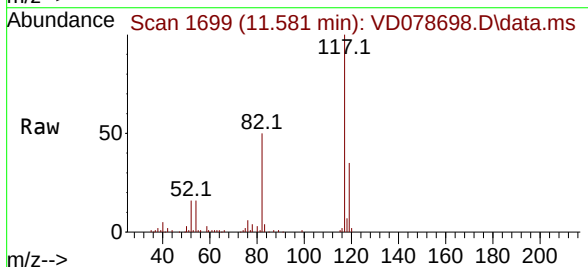
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ClientSampleId :  
TP-15

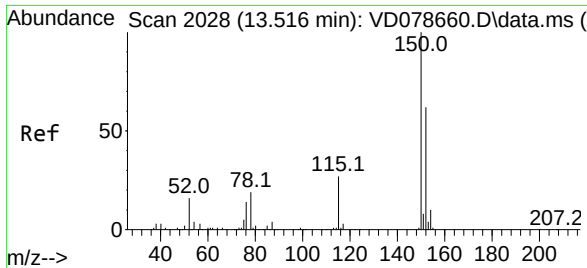
Tgt Ion: 95 Resp: 37111  
Ion Ratio Lower Upper  
95 100  
174 92.1 0.0 195.2  
176 91.1 0.0 188.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD078698.D  
Acq: 18 Mar 2024 15:50

Tgt Ion: 117 Resp: 124817  
Ion Ratio Lower Upper  
117 100  
82 50.4 41.4 62.2  
119 34.7 26.5 39.7





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VD078698.D  
 Acq: 18 Mar 2024 15:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-15

Tgt Ion:152 Resp: 39311  
 Ion Ratio Lower Upper  
 152 100  
 115 56.4 27.1 81.2  
 150 160.3 0.0 350.2

