

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080124\  
 Data File : VD079535.D  
 Acq On : 01 Aug 2024 19:40  
 Operator : RP/MD  
 Sample : P3374-15  
 Misc : 6.48G/5.0ml/MSVOA\_D/SOIL/B  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S-847-G1-SO-12.5-13-072024

Quant Time: Aug 02 01:33:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 2024  
 Response via : Initial Calibration

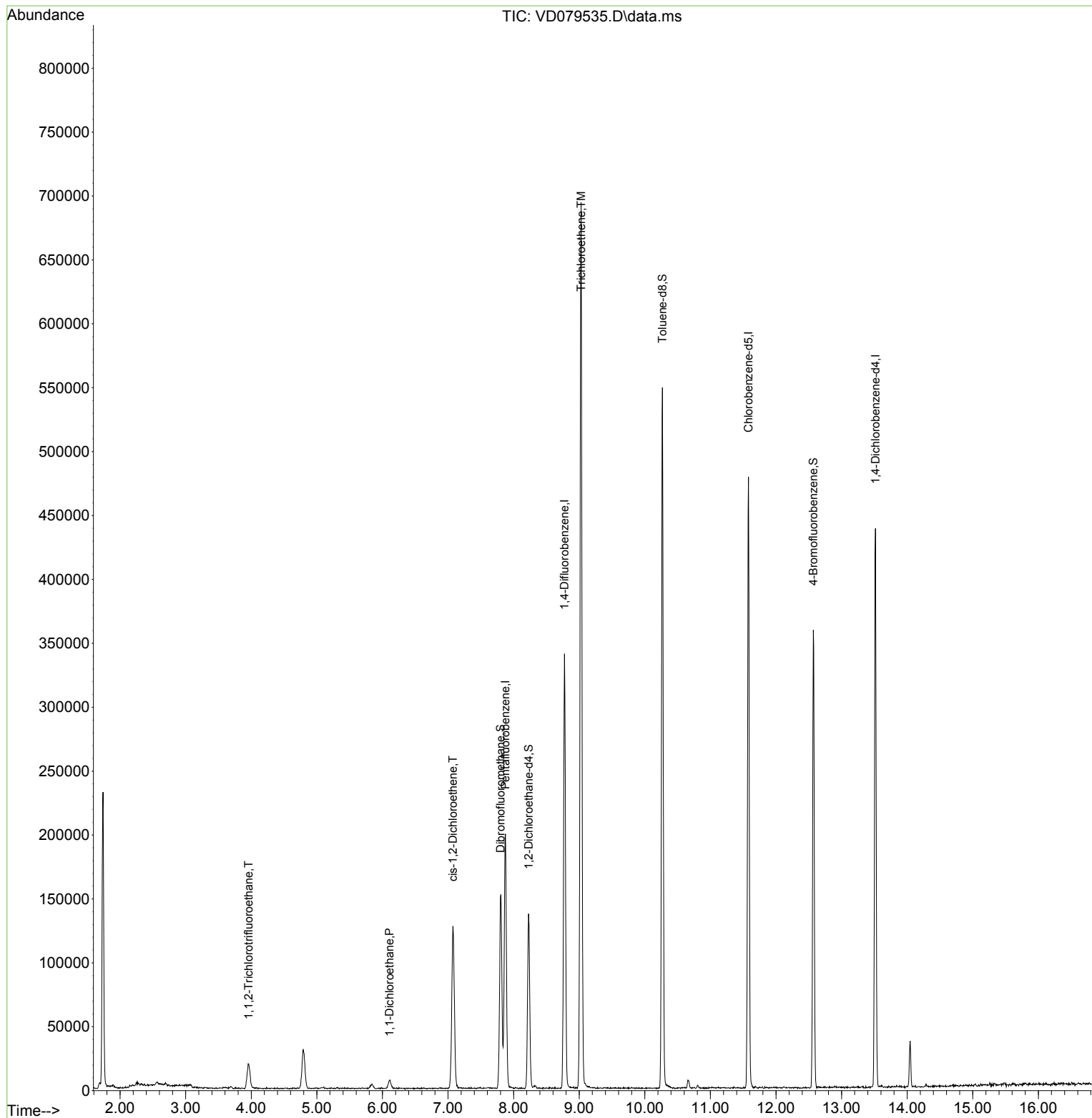
| Compound                     | R.T. QIon |       | Response | Conc     | Units | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|-------|----------|
| -----                        |           |       |          |          |       |          |
| Internal Standards           |           |       |          |          |       |          |
| 1) Pentafluorobenzene        | 7.875     | 168   | 159706   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775     | 114   | 309433   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.581    | 117   | 293114   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516    | 152   | 128357   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |           |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.228     | 65    | 104644   | 64.497   | ug/l  | 0.00     |
| Spiked Amount                | 50.000    | Range | 50 - 163 | Recovery | =     | 129.000% |
| 35) Dibromofluoromethane     | 7.799     | 113   | 112325   | 53.631   | ug/l  | 0.00     |
| Spiked Amount                | 50.000    | Range | 54 - 147 | Recovery | =     | 107.260% |
| 50) Toluene-d8               | 10.269    | 98    | 389836   | 47.931   | ug/l  | 0.00     |
| Spiked Amount                | 50.000    | Range | 58 - 134 | Recovery | =     | 95.860%  |
| 62) 4-Bromofluorobenzene     | 12.569    | 95    | 101195   | 42.996   | ug/l  | 0.00     |
| Spiked Amount                | 50.000    | Range | 30 - 143 | Recovery | =     | 86.000%  |
| Target Compounds             |           |       |          |          |       |          |
|                              |           |       |          |          |       | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo... | 3.958     | 101   | 13512    | 7.836    | ug/l  | 97       |
| 24) 1,1-Dichloroethane       | 6.105     | 63    | 9821     | 2.891    | ug/l  | 91       |
| 27) cis-1,2-Dichloroethene   | 7.075     | 96    | 83277    | 37.584   | ug/l  | 98       |
| 44) Trichloroethene          | 9.028     | 130   | 262198   | 116.007  | ug/l  | 95       |
| -----                        |           |       |          |          |       |          |

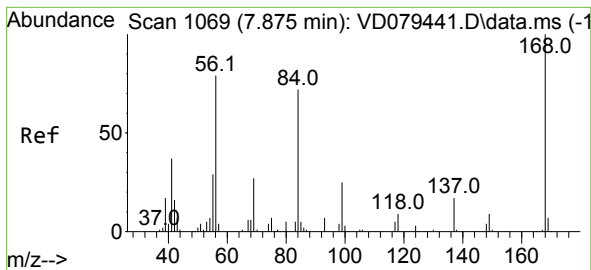
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P3374-15  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
S-847-G1-SO-12.5-13-072024

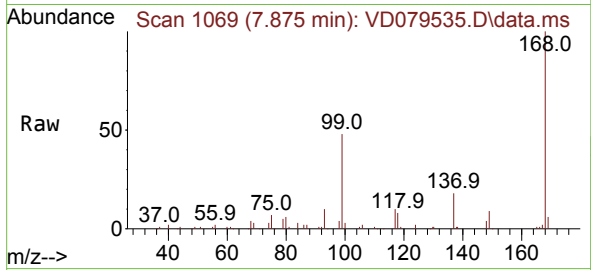
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 2024  
Response via : Initial Calibration



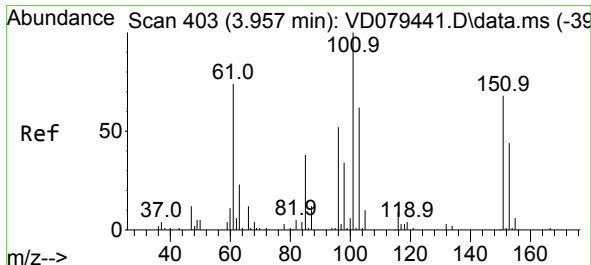
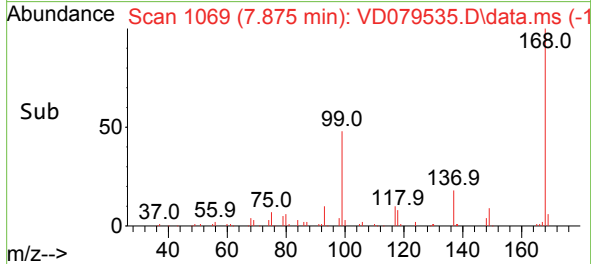
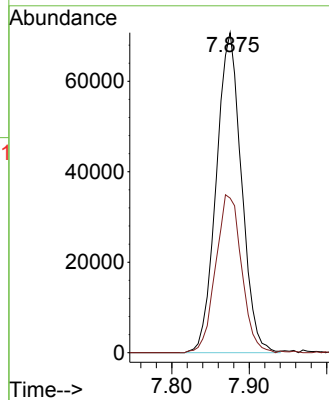


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD079535.D  
Acq: 01 Aug 2024 19:40

Instrument :  
MSVOA\_D  
ClientSampleId :  
S-847-G1-SO-12.5-13-072024

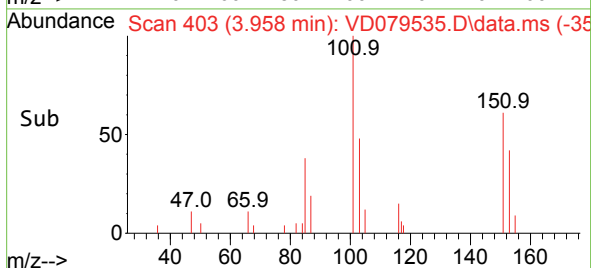
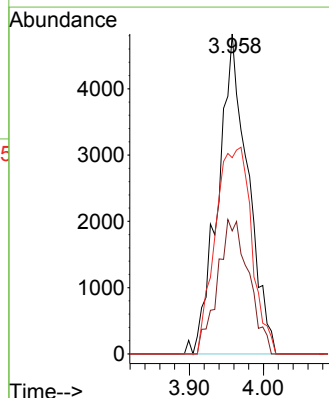
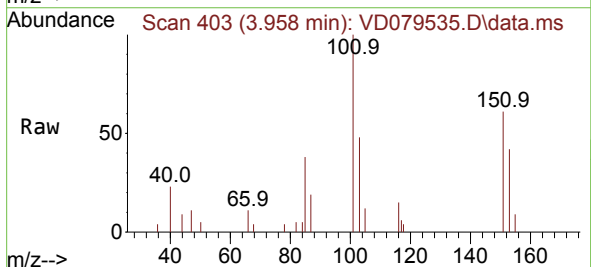


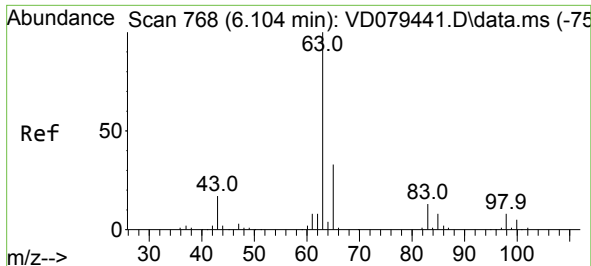
Tgt Ion:168 Resp: 159706  
Ion Ratio Lower Upper  
168 100  
99 48.3 41.1 61.7



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 7.836 ug/l  
RT: 3.958 min Scan# 403  
Delta R.T. -0.006 min  
Lab File: VD079535.D  
Acq: 01 Aug 2024 19:40

Tgt Ion:101 Resp: 13512  
Ion Ratio Lower Upper  
101 100  
85 44.1 33.5 50.3  
151 78.3 60.3 90.5

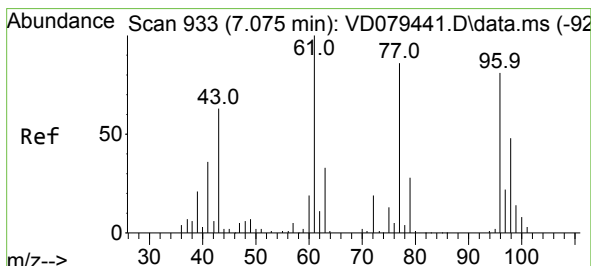
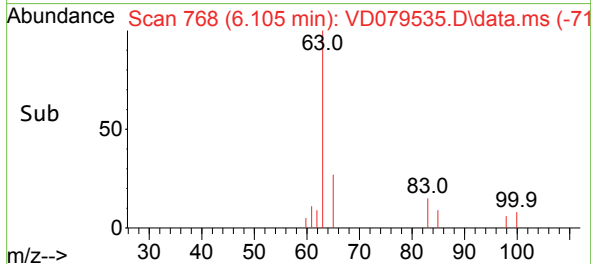
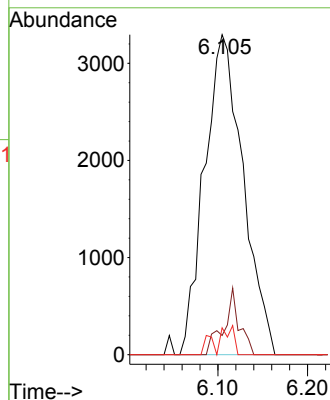
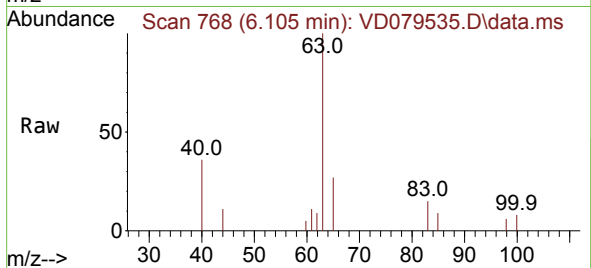




#24  
1,1-Dichloroethane  
Concen: 2.891 ug/l  
RT: 6.105 min Scan# 768  
Delta R.T. 0.000 min  
Lab File: VD079535.D  
Acq: 01 Aug 2024 19:40

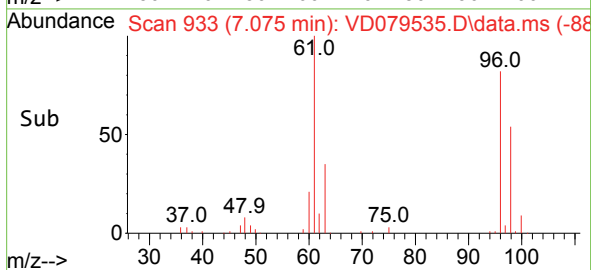
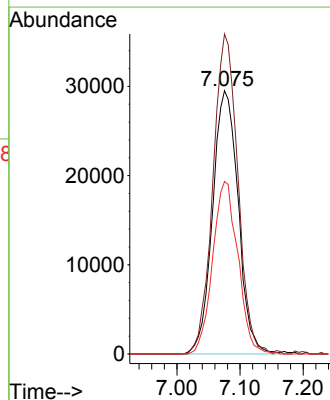
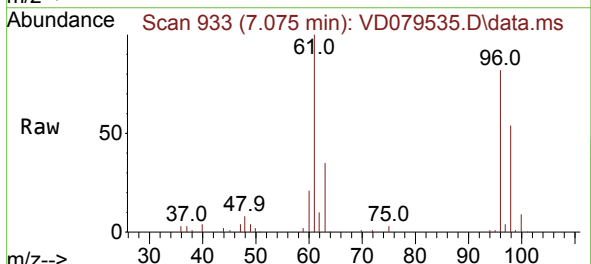
Instrument :  
MSVOA\_D  
ClientSampleId :  
S-847-G1-SO-12.5-13-072024

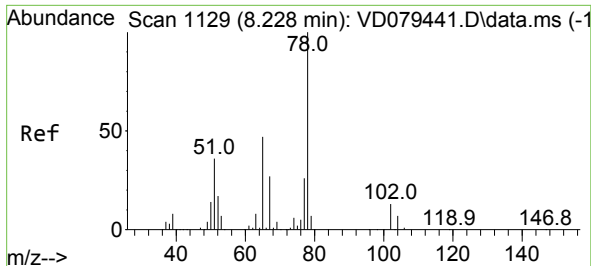
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 9821 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 98        | 6.0   | 4.7   | 14.0 |
| 100       | 8.4   | 2.9   | 8.6  |



#27  
cis-1,2-Dichloroethene  
Concen: 37.584 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: VD079535.D  
Acq: 01 Aug 2024 19:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 83277 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 117.5 | 0.0   | 229.0 |
| 98        | 64.4  | 0.0   | 127.2 |





#33

1,2-Dichloroethane-d4

Concen: 64.497 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079535.D

Acq: 01 Aug 2024 19:40

Instrument :

MSVOA\_D

ClientSampleId :

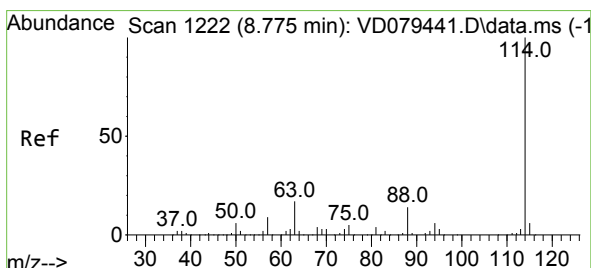
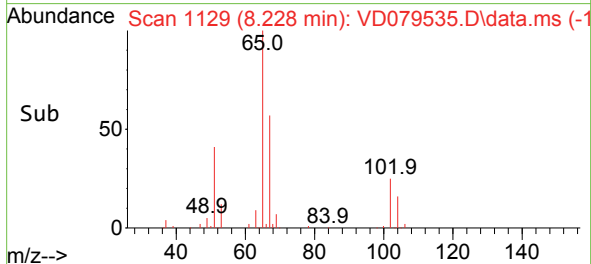
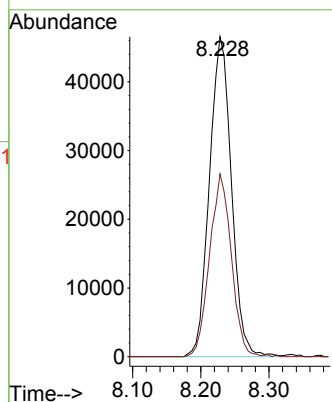
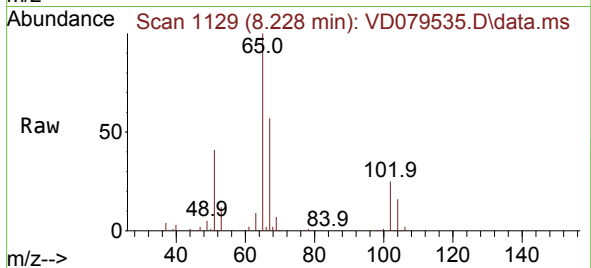
S-847-G1-SO-12.5-13-072024

Tgt Ion: 65 Resp: 104644

Ion Ratio Lower Upper

65 100

67 56.6 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD079535.D

Acq: 01 Aug 2024 19:40

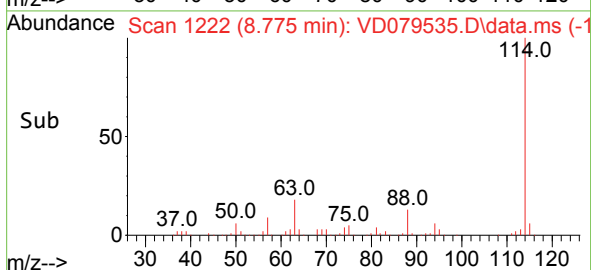
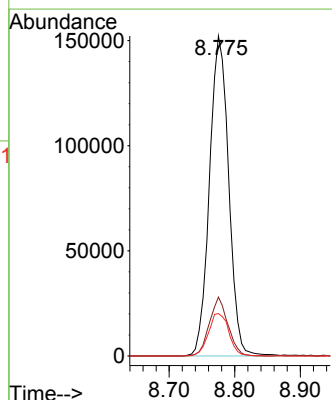
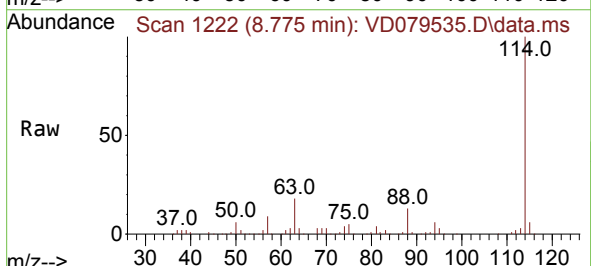
Tgt Ion: 114 Resp: 309433

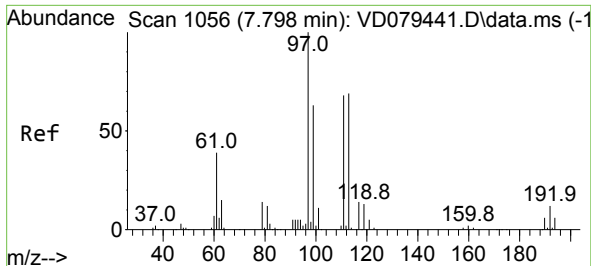
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

88 13.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 53.631 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD079535.D

Acq: 01 Aug 2024 19:40

Instrument :

MSVOA\_D

ClientSampleId :

S-847-G1-SO-12.5-13-072024

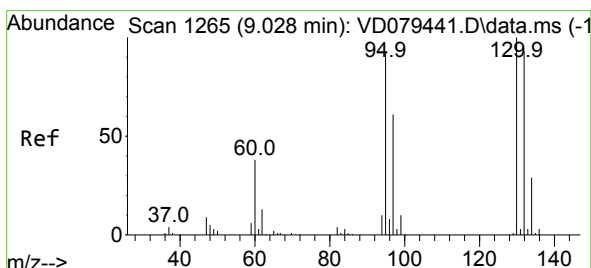
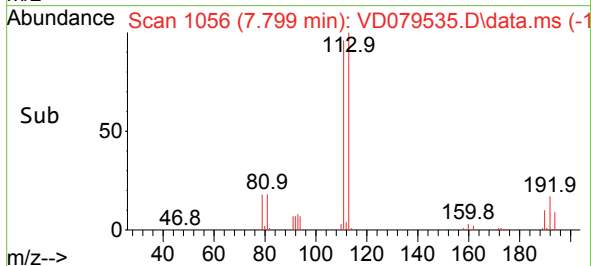
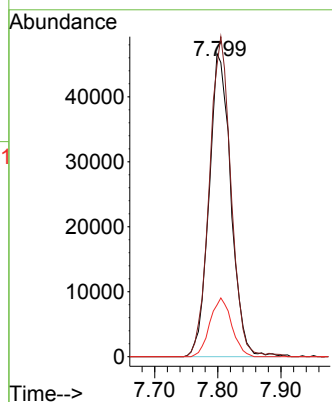
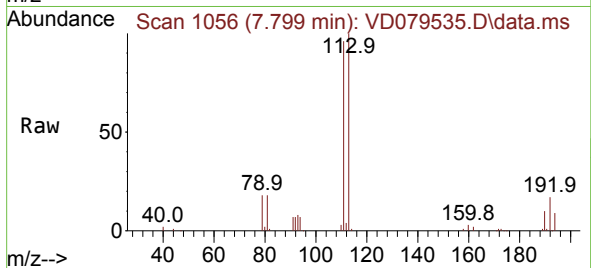
Tgt Ion:113 Resp: 112325

Ion Ratio Lower Upper

113 100

111 104.0 84.0 126.0

192 19.2 15.4 23.0



#44

Trichloroethene

Concen: 116.007 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD079535.D

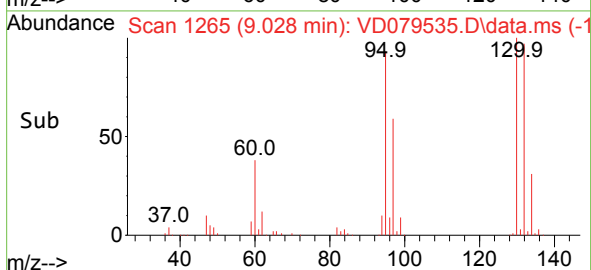
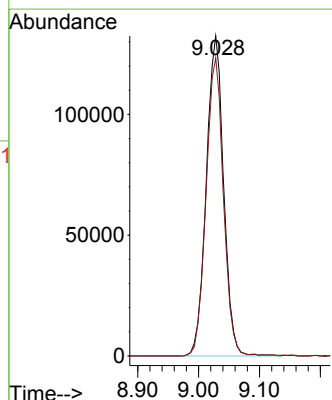
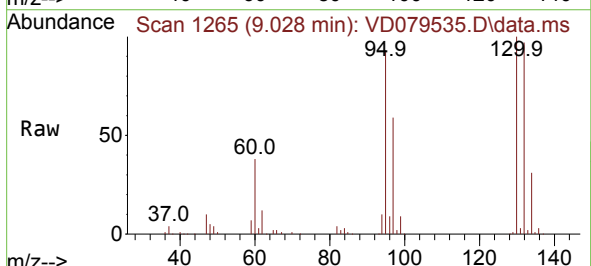
Acq: 01 Aug 2024 19:40

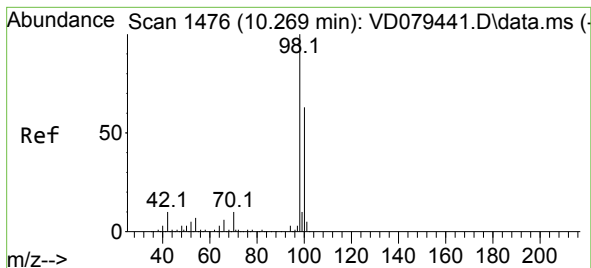
Tgt Ion:130 Resp: 262198

Ion Ratio Lower Upper

130 100

95 93.1 0.0 177.8





#50

Toluene-d8

Concen: 47.931 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079535.D

Acq: 01 Aug 2024 19:40

Instrument :

MSVOA\_D

ClientSampleId :

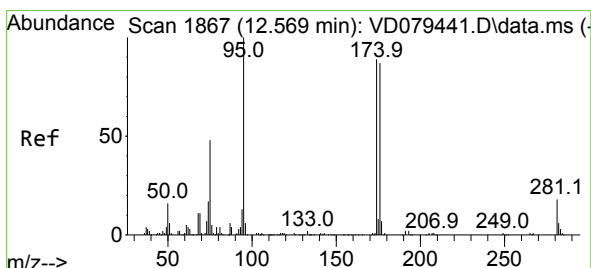
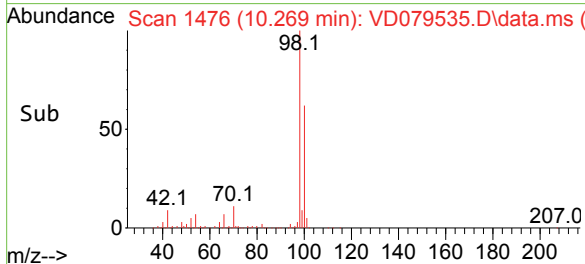
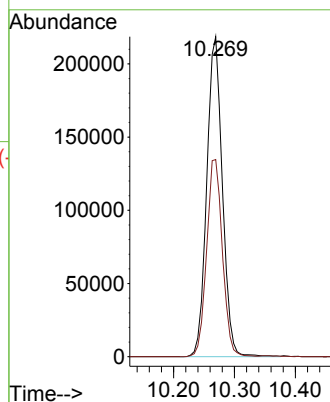
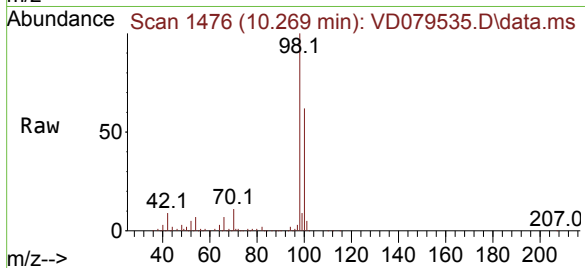
S-847-G1-SO-12.5-13-072024

Tgt Ion: 98 Resp: 389836

Ion Ratio Lower Upper

98 100

100 62.2 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 42.996 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VD079535.D

Acq: 01 Aug 2024 19:40

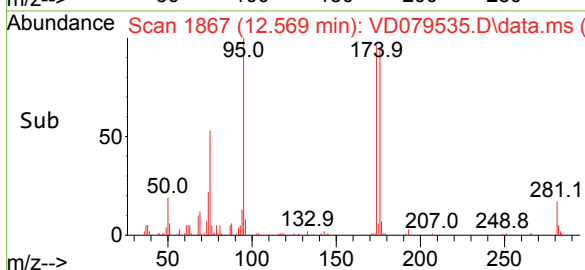
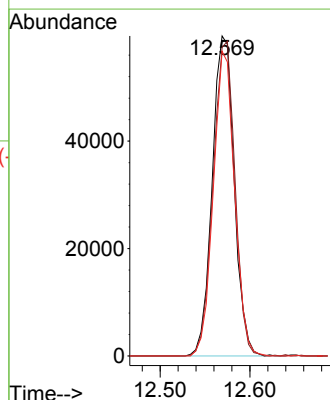
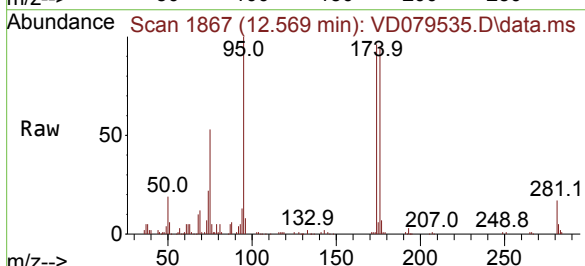
Tgt Ion: 95 Resp: 101195

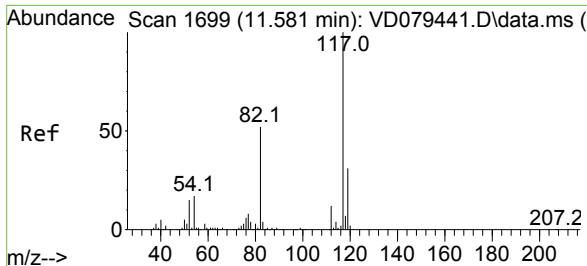
Ion Ratio Lower Upper

95 100

174 97.7 0.0 195.4

176 92.0 0.0 192.6

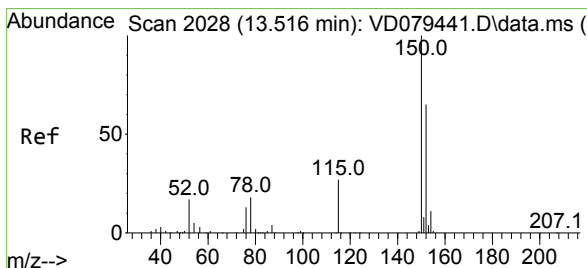
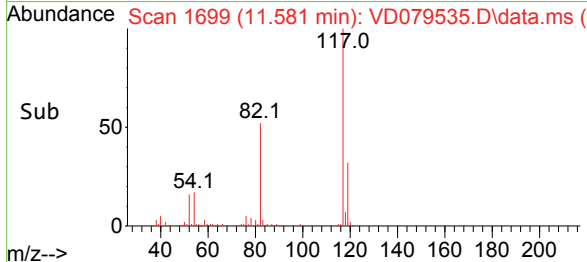
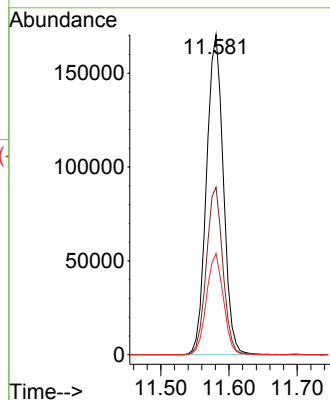
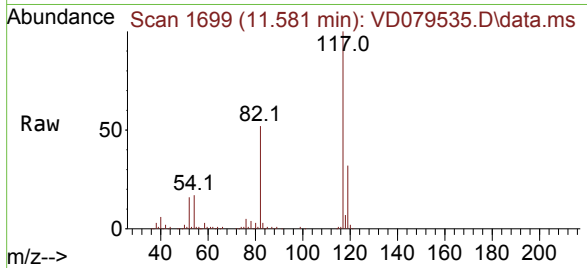




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD079535.D  
Acq: 01 Aug 2024 19:40

Instrument :  
MSVOA\_D  
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S-847-G1-SO-12.5-13-072024

Tgt Ion:117 Resp: 293114  
Ion Ratio Lower Upper  
117 100  
82 52.3 39.8 59.6  
119 31.6 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD079535.D  
Acq: 01 Aug 2024 19:40

Tgt Ion:152 Resp: 128357  
Ion Ratio Lower Upper  
152 100  
115 53.2 26.5 79.5  
150 154.7 0.0 341.6

