

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080824\  
 Data File : VD079677.D  
 Acq On : 08 Aug 2024 19:53  
 Operator : RP/MD  
 Sample : P3483-01  
 Misc : 5.02G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 A

Quant Time: Aug 09 01:12:16 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

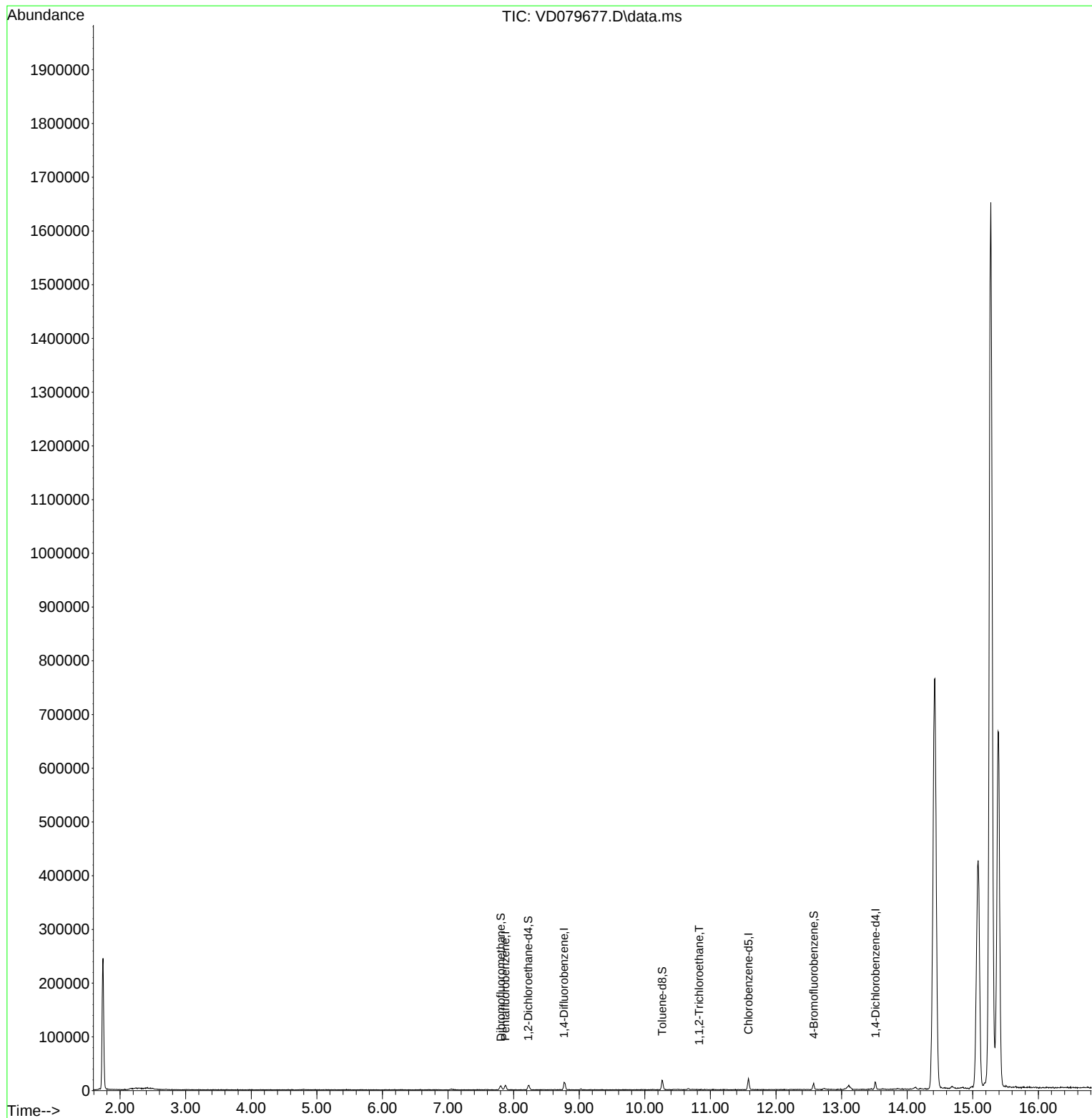
| Compound                    | R.T. QIon |       | Response | Conc     | Units       | Dev(Min)    |
|-----------------------------|-----------|-------|----------|----------|-------------|-------------|
| -----                       |           |       |          |          |             |             |
| Internal Standards          |           |       |          |          |             |             |
| 1) Pentafluorobenzene       | 7.875     | 168   | 6585     | 50.000   | ug/l        | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.769     | 114   | 13684    | 50.000   | ug/l        | 0.00        |
| 63) Chlorobenzene-d5        | 11.581    | 117   | 11938    | 50.000   | ug/l        | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.516    | 152   | 4042     | 50.000   | ug/l        | 0.00        |
| System Monitoring Compounds |           |       |          |          |             |             |
| 33) 1,2-Dichloroethane-d4   | 8.222     | 65    | 6314     | 94.383   | ug/l        | 0.00        |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 188.760%# |             |
| 35) Dibromofluoromethane    | 7.805     | 113   | 5673     | 61.251   | ug/l        | 0.00        |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 122.500%  |             |
| 50) Toluene-d8              | 10.263    | 98    | 13213    | 36.736   | ug/l        | 0.00        |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 73.480%   |             |
| 62) 4-Bromofluorobenzene    | 12.575    | 95    | 3373     | 32.407   | ug/l        | 0.00        |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 64.820%   |             |
| Target Compounds            |           |       |          |          |             |             |
| 55) 1,1,2-Trichloroethane   | 10.828    | 97    | 87       | 1.219    | ug/l        | Qvalue # 15 |
| -----                       |           |       |          |          |             |             |

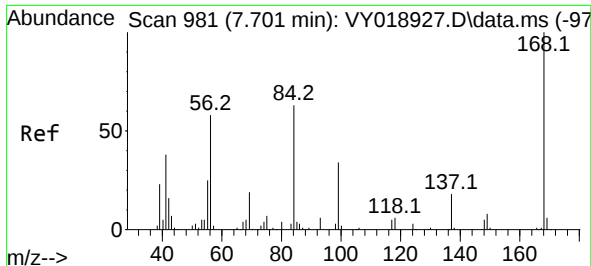
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
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Quant Time: Aug 09 01:12:16 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

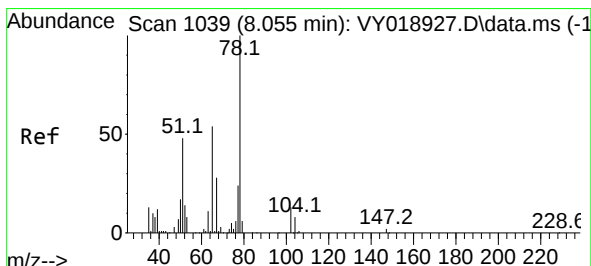
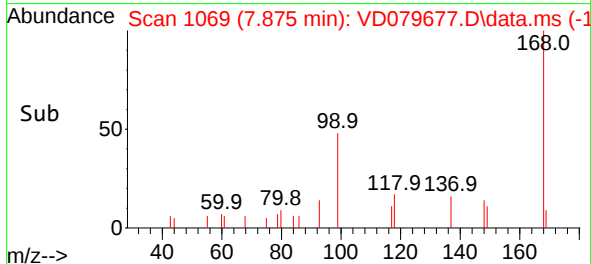
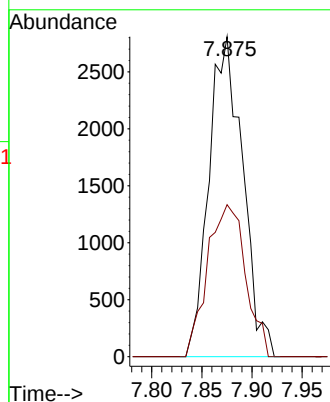
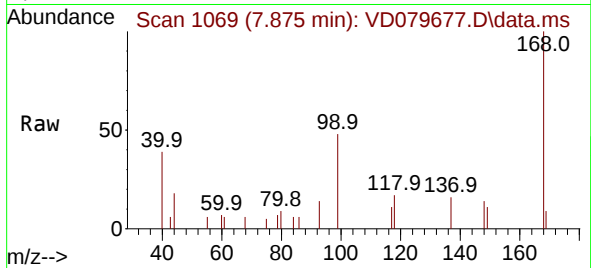




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: VD079677.D  
Acq: 08 Aug 2024 19:53

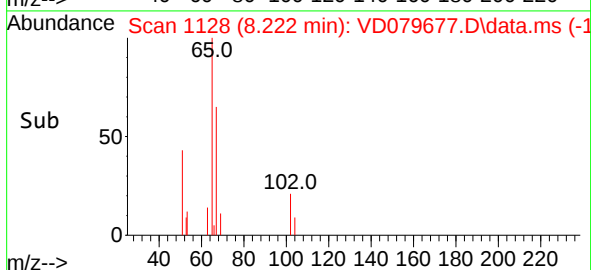
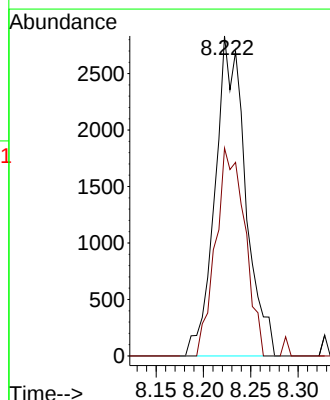
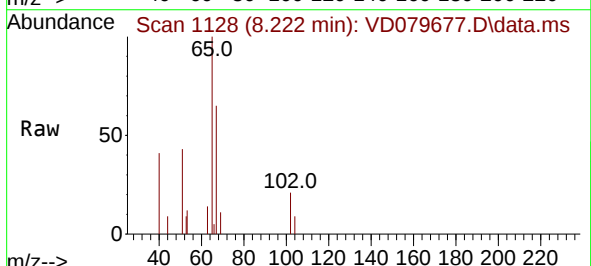
Instrument :  
MSVOA\_D  
ClientSampleId :  
A

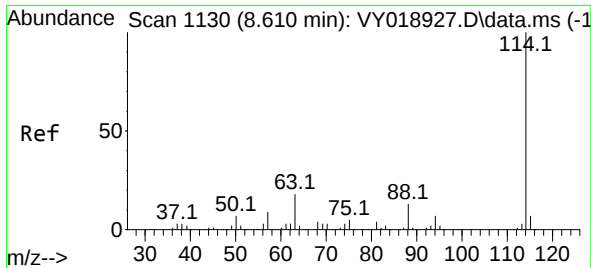
Tgt Ion:168 Resp: 6585  
Ion Ratio Lower Upper  
168 100  
99 47.5 41.1 61.7



#33  
1,2-Dichloroethane-d4  
Concen: 94.383 ug/l  
RT: 8.222 min Scan# 1128  
Delta R.T. -0.006 min  
Lab File: VD079677.D  
Acq: 08 Aug 2024 19:53

Tgt Ion: 65 Resp: 6314  
Ion Ratio Lower Upper  
65 100  
67 62.4 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.769 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

Instrument :

MSVOA\_D

ClientSampleId :

A

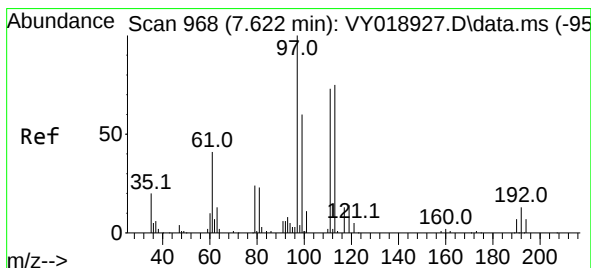
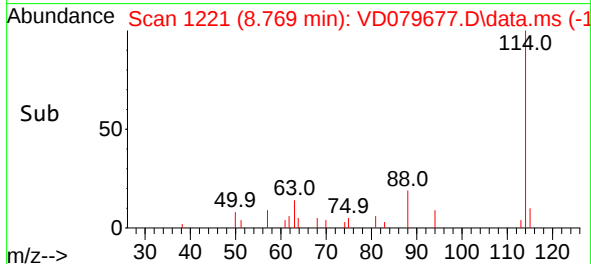
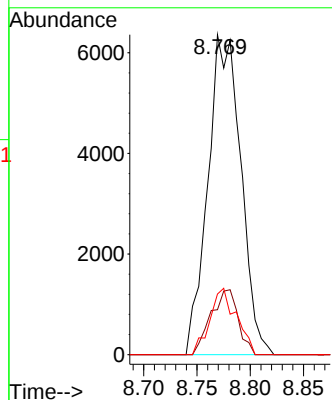
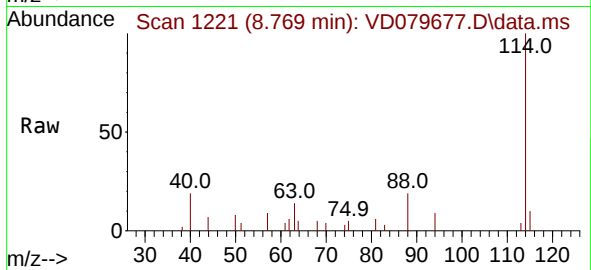
Tgt Ion:114 Resp: 13684

Ion Ratio Lower Upper

114 100

63 14.0 0.0 34.0

88 18.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 61.251 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

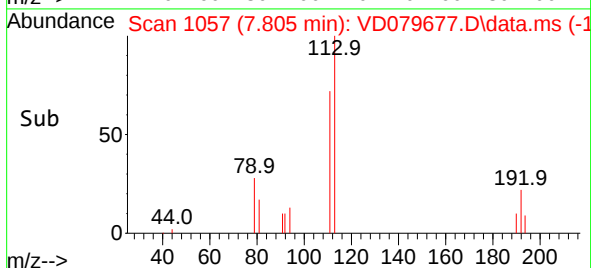
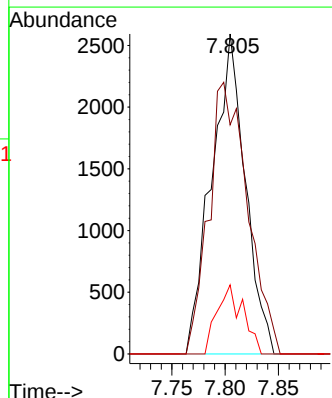
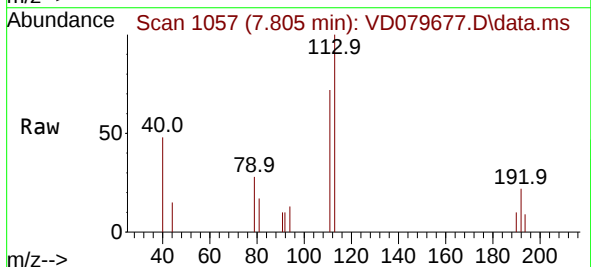
Tgt Ion:113 Resp: 5673

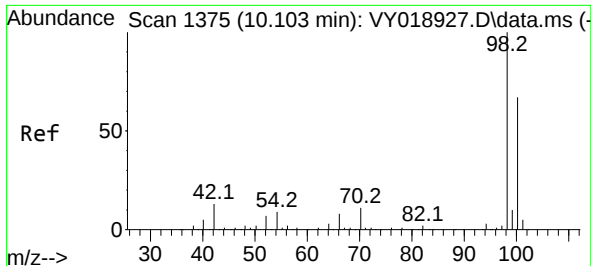
Ion Ratio Lower Upper

113 100

111 98.2 84.0 126.0

192 16.7 15.4 23.0

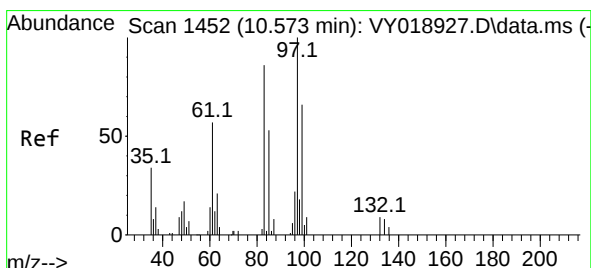
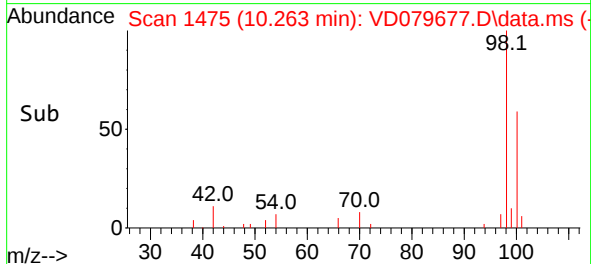
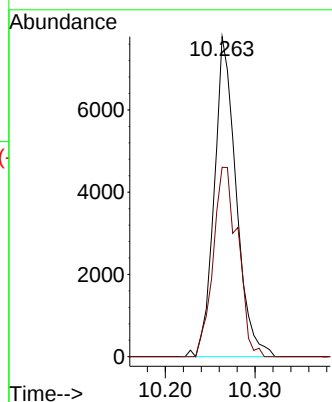
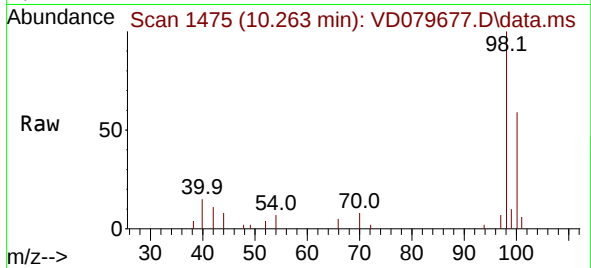




#50  
Toluene-d8  
Concen: 36.736 ug/l  
RT: 10.263 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VD079677.D  
Acq: 08 Aug 2024 19:53

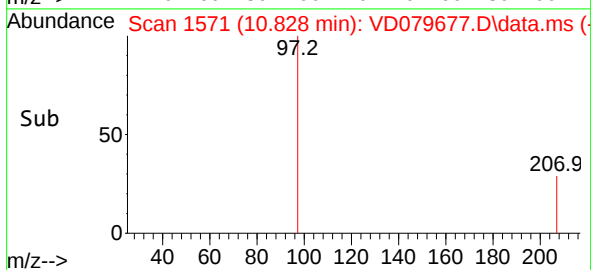
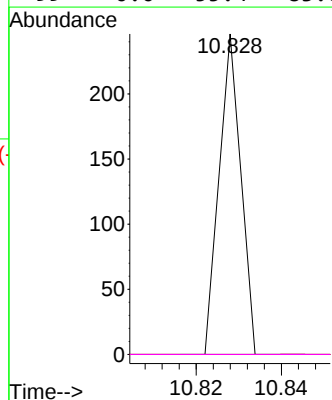
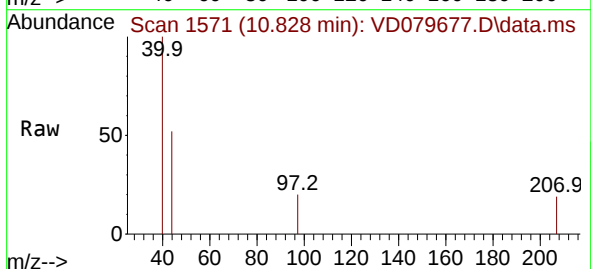
Instrument :  
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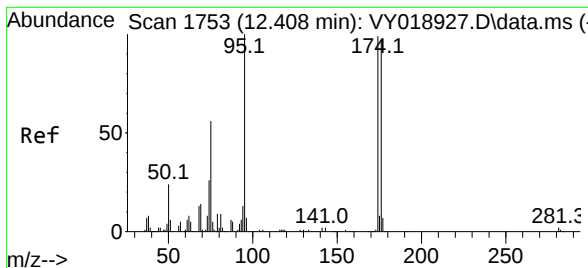
Tgt Ion: 98 Resp: 13213  
Ion Ratio Lower Upper  
98 100  
100 66.7 51.6 77.4



#55  
1,1,2-Trichloroethane  
Concen: 1.219 ug/l  
RT: 10.828 min Scan# 1571  
Delta R.T. 0.100 min  
Lab File: VD079677.D  
Acq: 08 Aug 2024 19:53

Tgt Ion: 97 Resp: 87  
Ion Ratio Lower Upper  
97 100  
83 0.0 65.8 98.8#  
85 0.0 43.8 65.8#  
99 0.0 55.4 83.0#

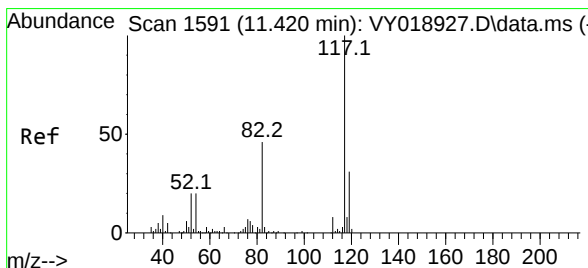
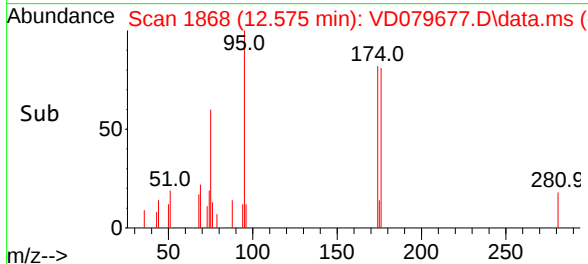
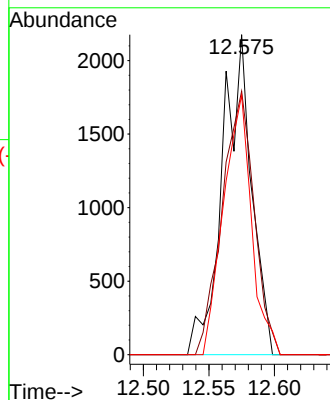
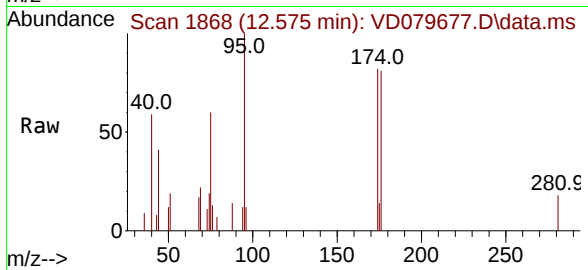




#62  
4-Bromofluorobenzene  
Concen: 32.407 ug/l  
RT: 12.575 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD079677.D  
Acq: 08 Aug 2024 19:53

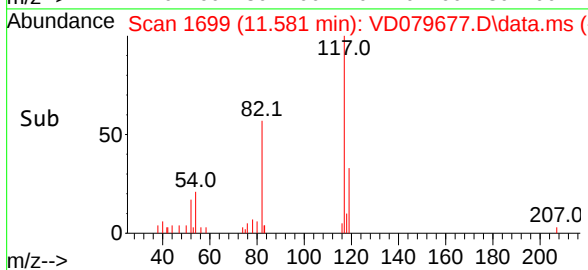
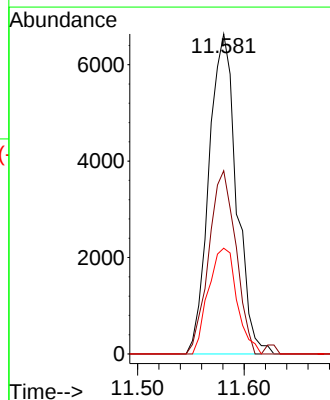
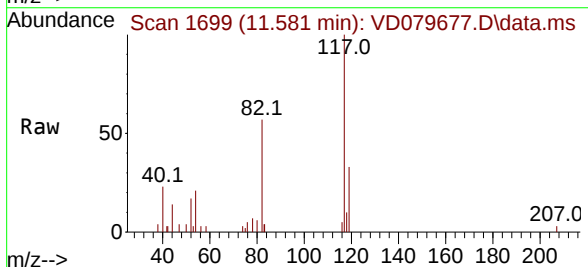
Instrument :  
MSVOA\_D  
ClientSampleId :  
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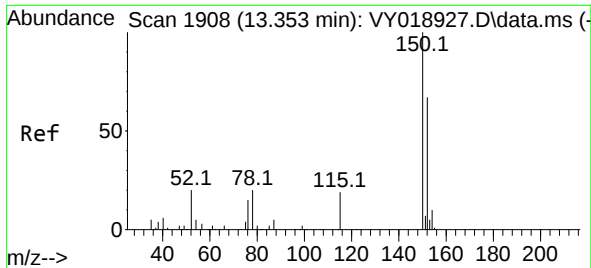
|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 3373  |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 174 90.0    | 0.0 195.4   |
| 176 77.8    | 0.0 192.6   |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: VD079677.D  
Acq: 08 Aug 2024 19:53

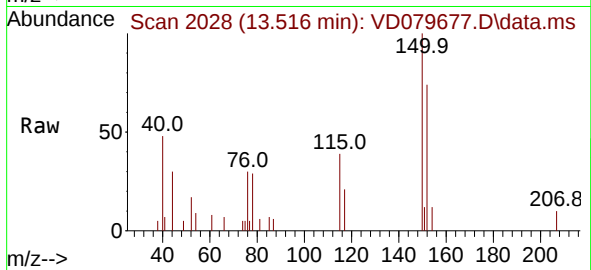
|             |             |
|-------------|-------------|
| Tgt Ion:117 | Resp: 11938 |
| Ion Ratio   | Lower Upper |
| 117 100     |             |
| 82 57.2     | 39.8 59.6   |
| 119 33.0    | 25.7 38.5   |





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VD079677.D  
Acq: 08 Aug 2024 19:53

Instrument :  
MSVOA\_D  
ClientSampleId :  
A



| Tgt Ion:  | 152   | Resp: | 4042  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 54.5  | 26.5  | 79.5  |
| 150       | 141.1 | 0.0   | 341.6 |

