

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040323\  
 Data File : VX034923.D  
 Acq On : 03 Apr 2023 11:42  
 Operator : JC/MD  
 Sample : 02159-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MS-13

Quant Time: Apr 03 21:34:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 2023  
 Response via : Initial Calibration

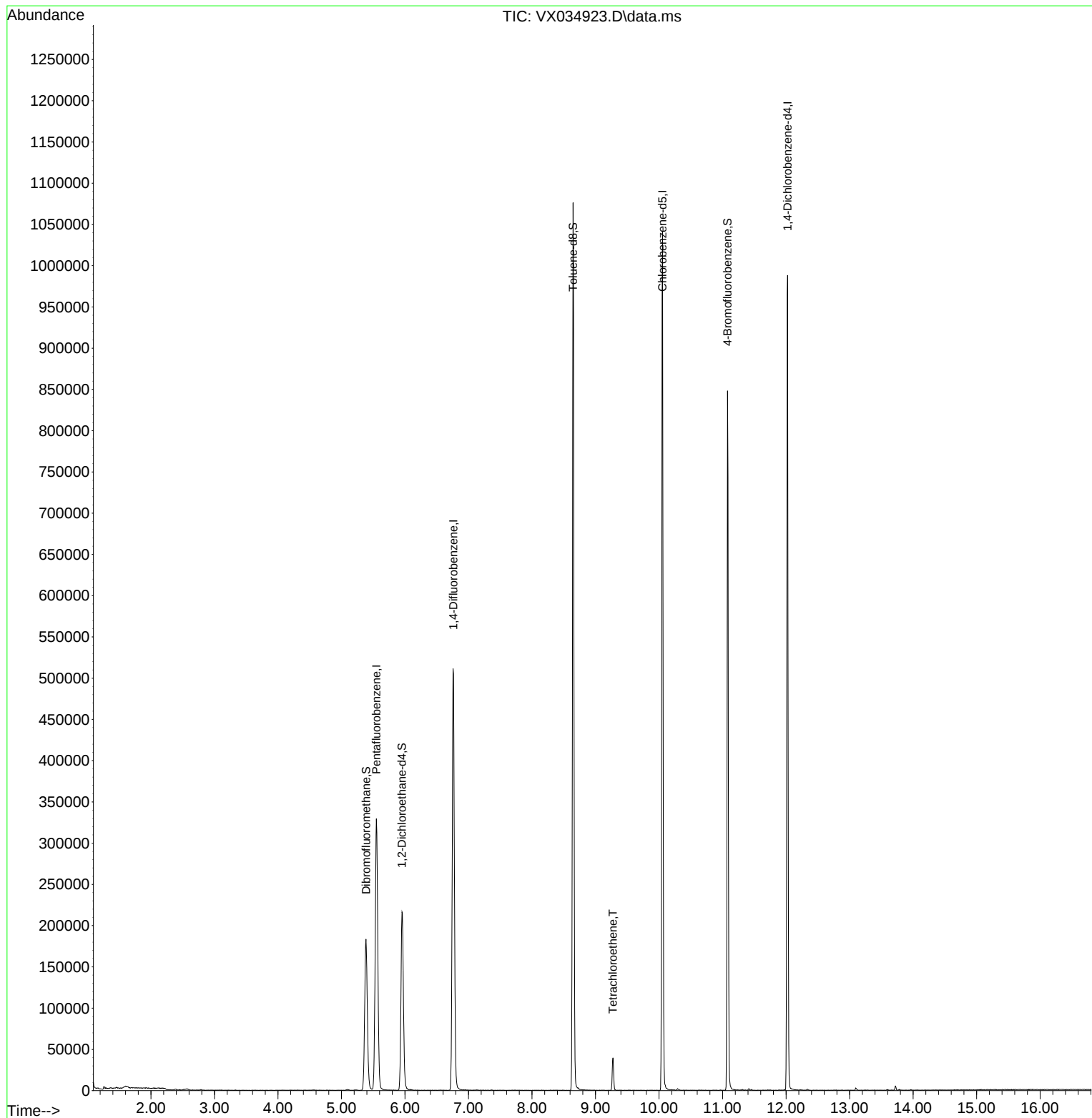
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 292439   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 506910   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 447746   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 200674   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 218680   | 48.895   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 97.800%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 159165   | 47.472   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 94.940%  |
| 50) Toluene-d8              | 8.647  | 98    | 602509   | 48.686   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 97.380%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 229489   | 47.920   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 95.840%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 64) Tetrachloroethene       | 9.275  | 164   | 7417     | 2.315    | ug/l   | 94       |
| -----                       |        |       |          |          |        |          |

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

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Quant Time: Apr 03 21:34:57 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
Quant Title : SW846 8260  
QLast Update : Sat Apr 01 01:50:18 2023  
Response via : Initial Calibration

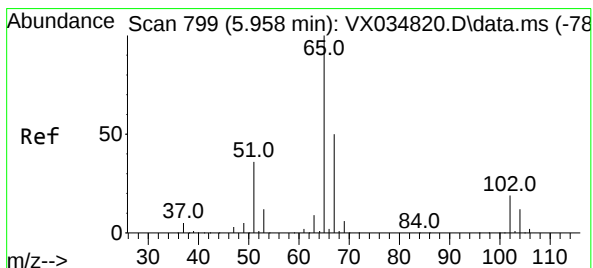
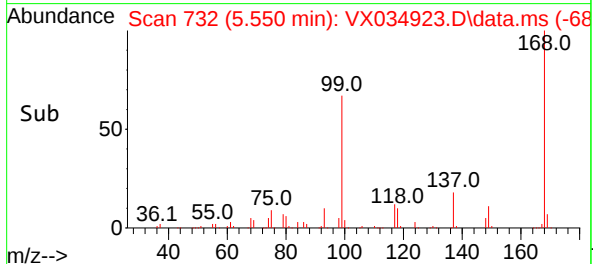
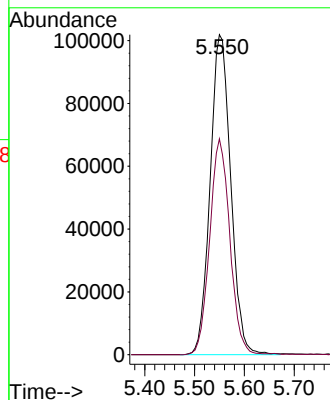
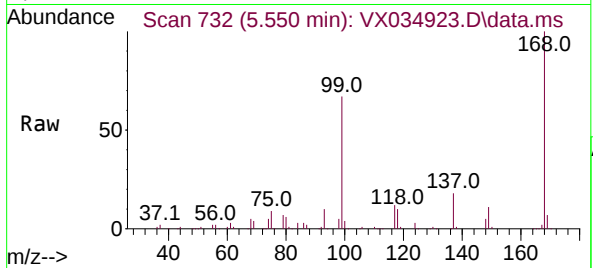




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX034923.D  
Acq: 03 Apr 2023 11:42

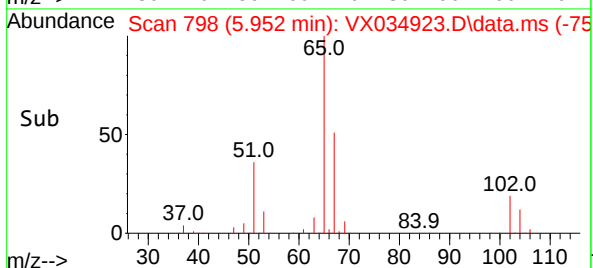
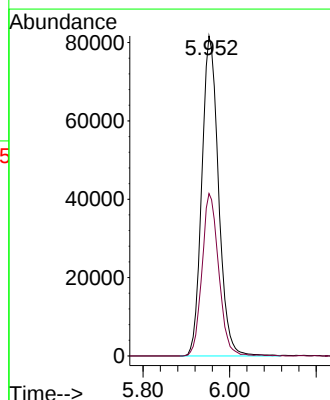
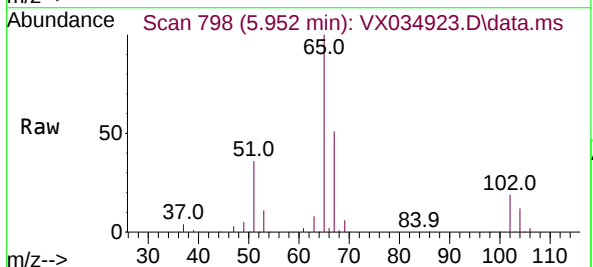
Instrument :  
MSVOA\_X  
ClientSampleId :  
MS-13

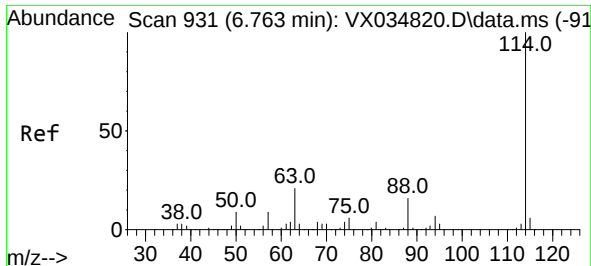
Tgt Ion:168 Resp: 292439  
Ion Ratio Lower Upper  
168 100  
99 67.4 45.7 68.5



#33  
1,2-Dichloroethane-d4  
Concen: 48.895 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX034923.D  
Acq: 03 Apr 2023 11:42

Tgt Ion: 65 Resp: 218680  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 104.0

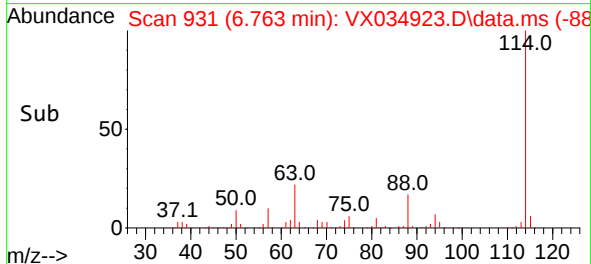
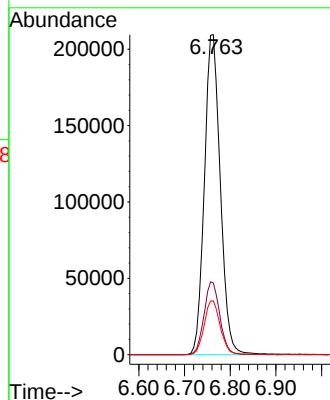
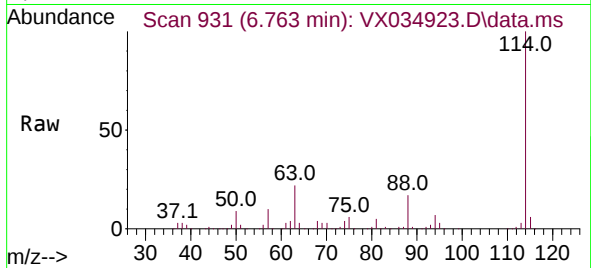




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX034923.D  
Acq: 03 Apr 2023 11:42

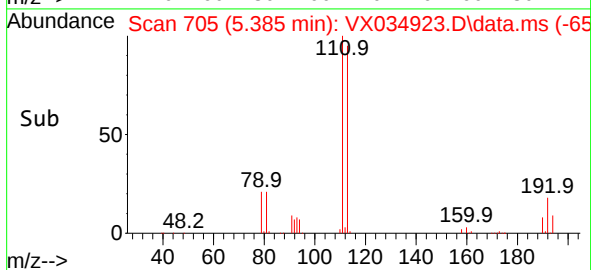
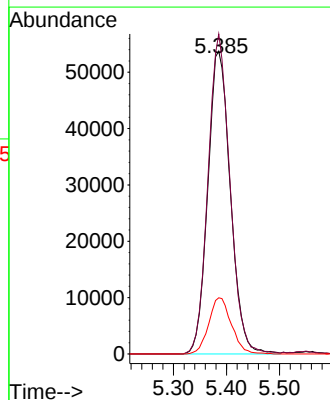
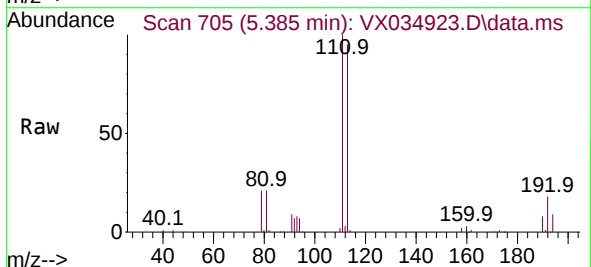
Instrument :  
MSVOA\_X  
ClientSampleId :  
MS-13

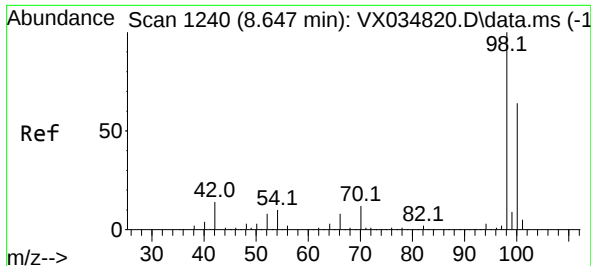
Tgt Ion:114 Resp: 506910  
Ion Ratio Lower Upper  
114 100  
63 22.4 0.0 42.2  
88 16.9 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 47.472 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX034923.D  
Acq: 03 Apr 2023 11:42

Tgt Ion:113 Resp: 159165  
Ion Ratio Lower Upper  
113 100  
111 102.5 83.7 125.5  
192 18.6 15.4 23.2





#50

Toluene-d8

Concen: 48.686 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034923.D

Acq: 03 Apr 2023 11:42

Instrument :

MSVOA\_X

ClientSampleId :

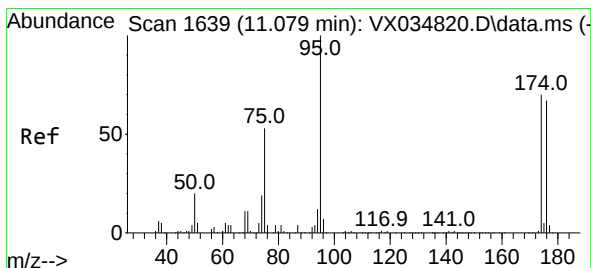
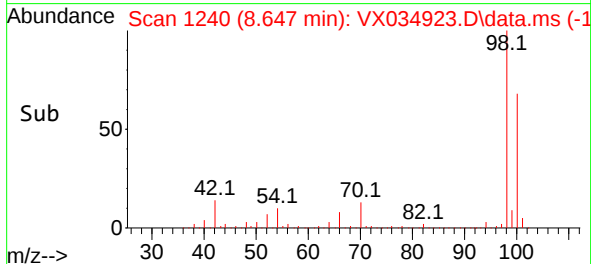
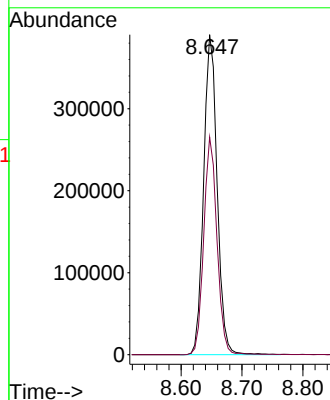
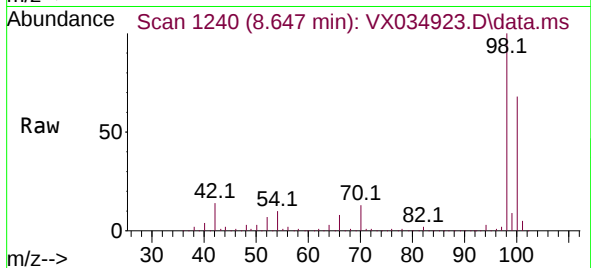
MS-13

Tgt Ion: 98 Resp: 602509

Ion Ratio Lower Upper

98 100

100 66.9 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 47.920 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX034923.D

Acq: 03 Apr 2023 11:42

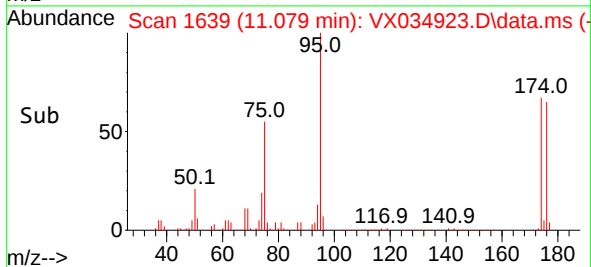
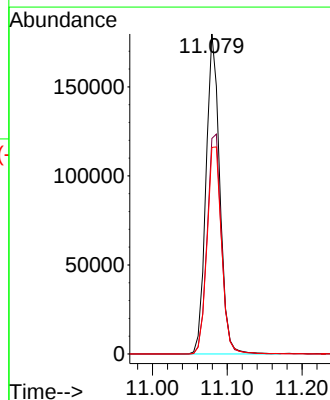
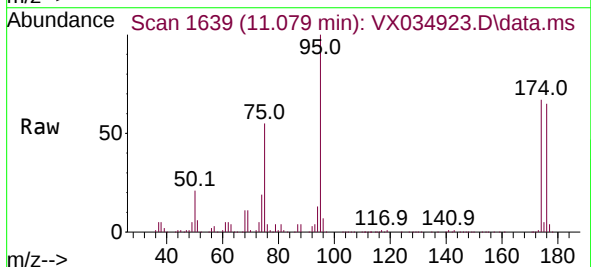
Tgt Ion: 95 Resp: 229489

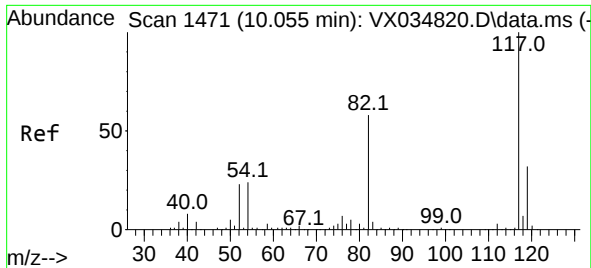
Ion Ratio Lower Upper

95 100

174 71.3 0.0 147.4

176 68.7 0.0 140.6

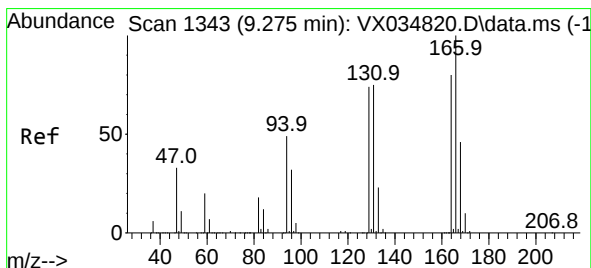
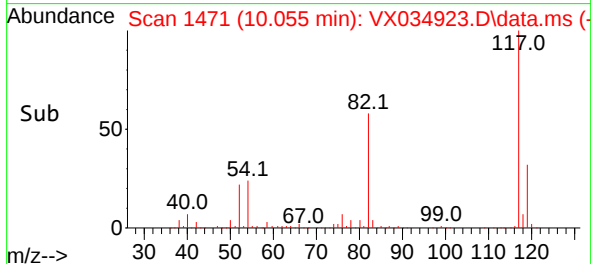
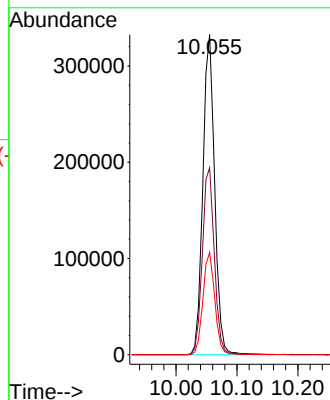
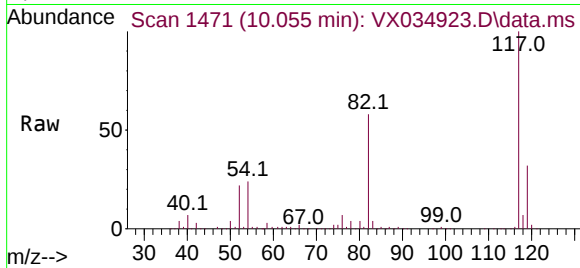




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX034923.D  
Acq: 03 Apr 2023 11:42

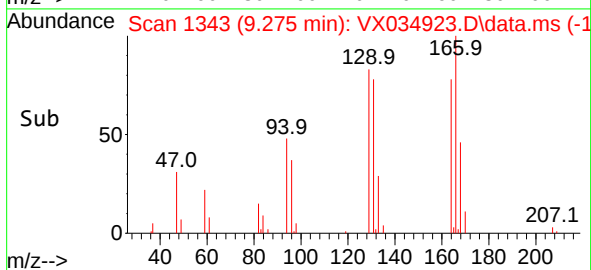
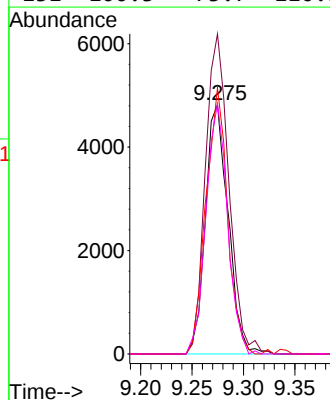
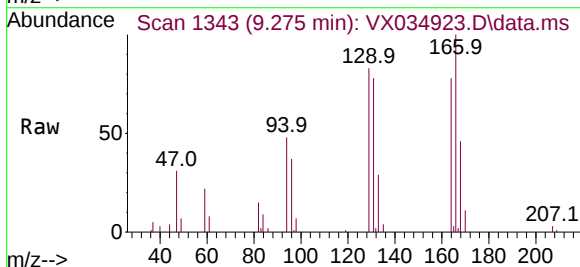
Instrument :  
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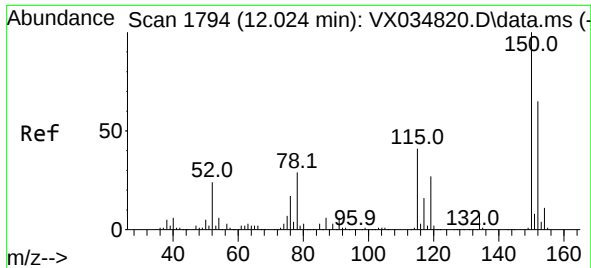
Tgt Ion:117 Resp: 447746  
Ion Ratio Lower Upper  
117 100  
82 58.4 45.0 67.4  
119 31.9 26.0 39.0



#64  
Tetrachloroethene  
Concen: 2.315 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX034923.D  
Acq: 03 Apr 2023 11:42

Tgt Ion:164 Resp: 7417  
Ion Ratio Lower Upper  
164 100  
166 128.3 102.7 154.1  
129 106.7 75.6 113.4  
131 100.3 73.7 110.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034923.D

Acq: 03 Apr 2023 11:42

Instrument :

MSVOA\_X

ClientSampleId :

MS-13

Tgt Ion:152 Resp: 200674

Ion Ratio Lower Upper

152 100

115 63.6 45.0 135.0

150 158.2 0.0 352.4

