

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122223\  
 Data File : VX039442.D  
 Acq On : 22 Dec 2023 16:04  
 Operator : JC/MD  
 Sample : 05966-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 C0LS9

Quant Time: Dec 23 06:26:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 101872   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 217660   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 227156   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 116170   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 91690    | 49.131   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 98.260%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 72005    | 47.885   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 95.780%  |
| 50) Toluene-d8              | 8.647  | 98    | 277966   | 49.792   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 99.580%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 124990   | 54.265   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 108.520% |

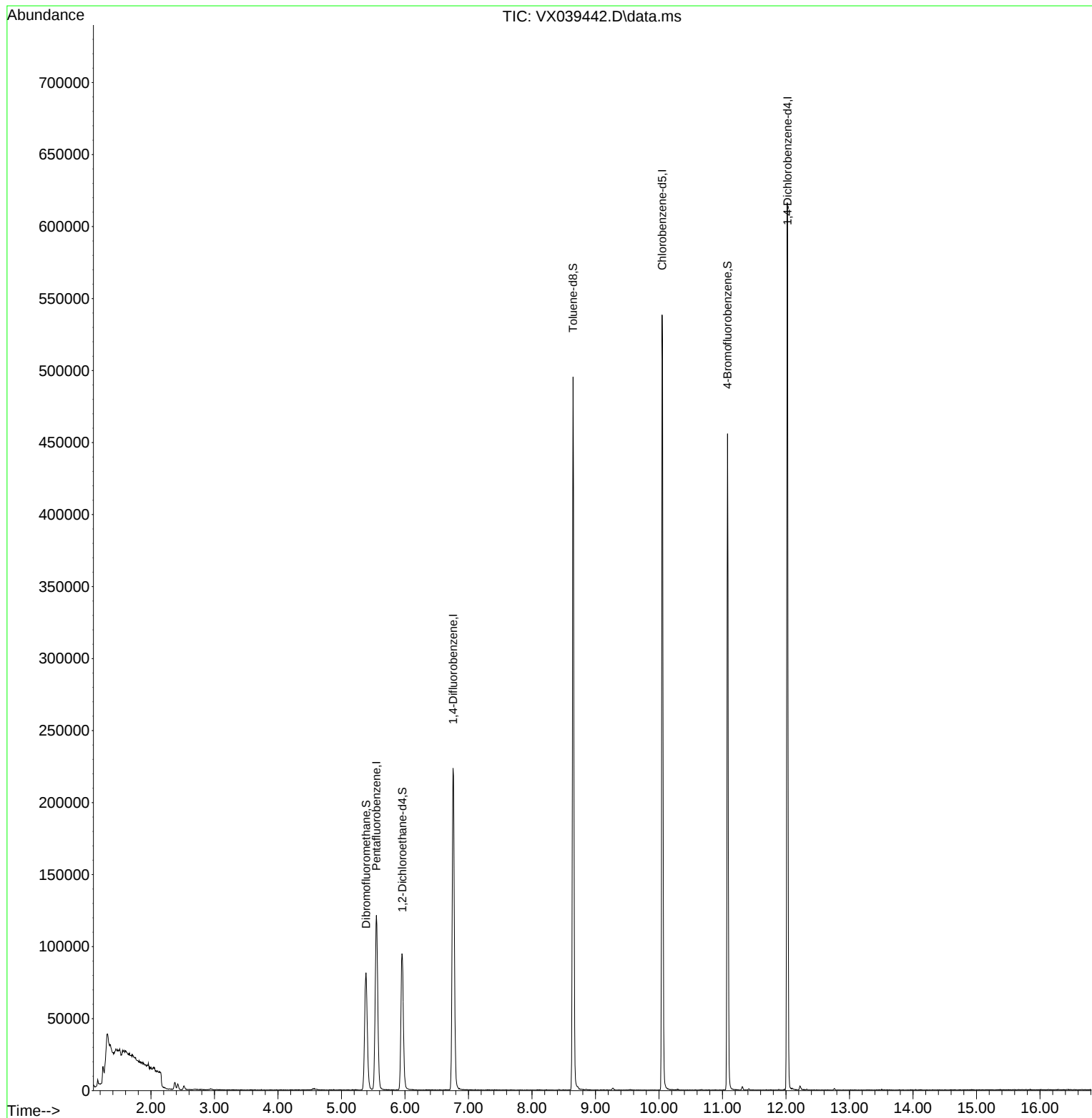
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

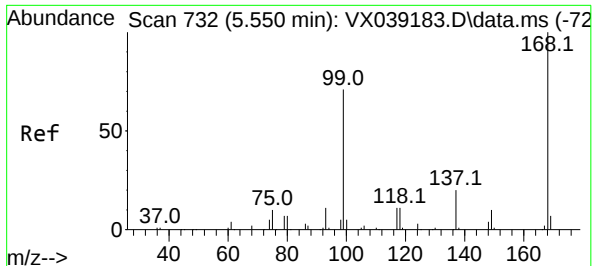
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
C0LS9

Quant Time: Dec 23 06:26:38 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 2023  
Response via : Initial Calibration

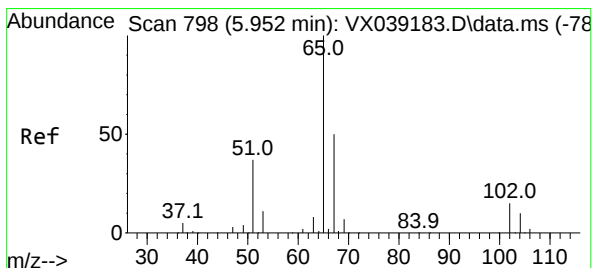
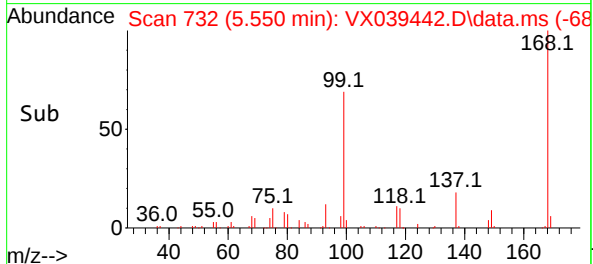
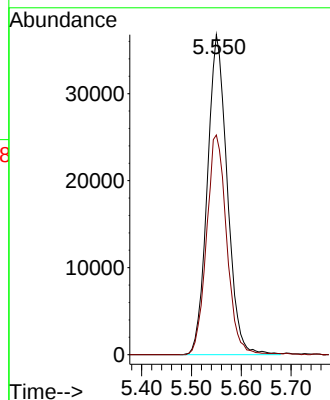
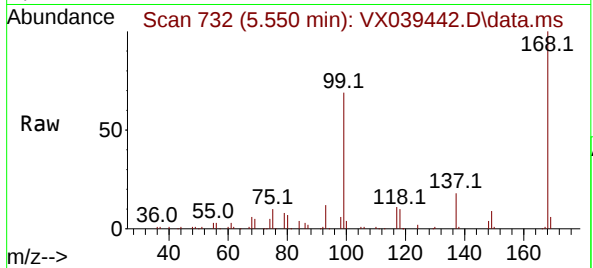




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.000 min  
Lab File: VX039442.D  
Acq: 22 Dec 2023 16:04

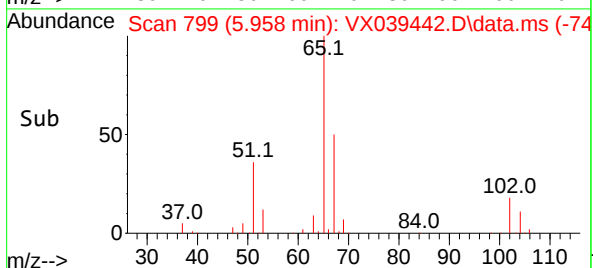
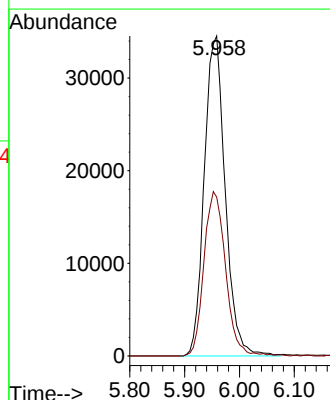
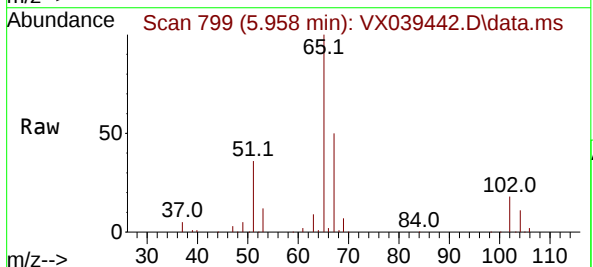
Instrument :  
MSVOA\_X  
ClientSampleId :  
COLS9

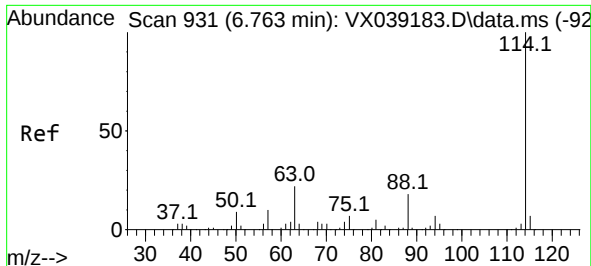
Tgt Ion:168 Resp: 101872  
Ion Ratio Lower Upper  
168 100  
99 68.6 56.6 85.0



#33  
1,2-Dichloroethane-d4  
Concen: 49.131 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: VX039442.D  
Acq: 22 Dec 2023 16:04

Tgt Ion: 65 Resp: 91690  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 100.2

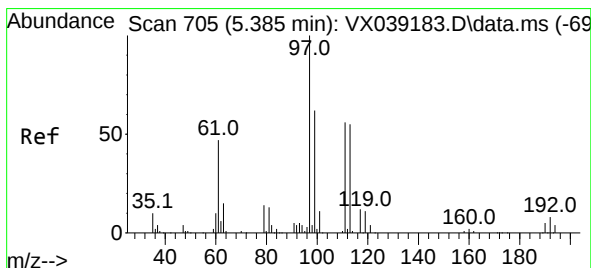
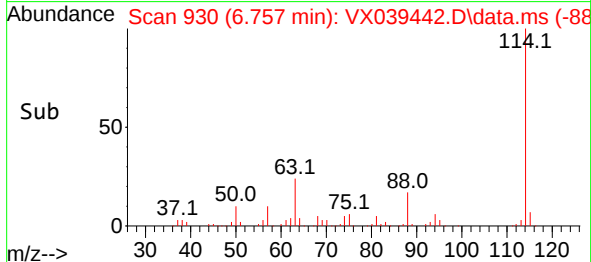
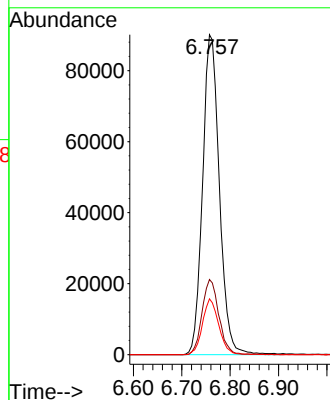
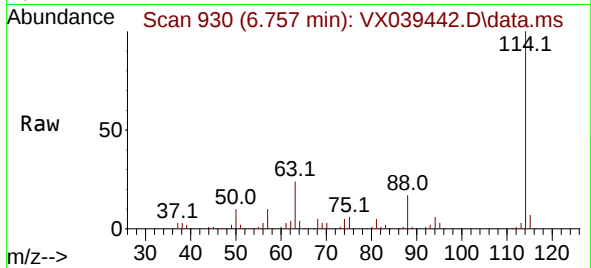




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VX039442.D  
Acq: 22 Dec 2023 16:04

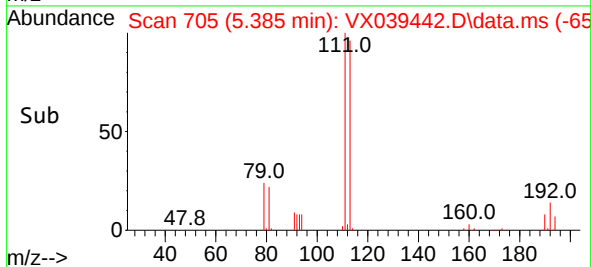
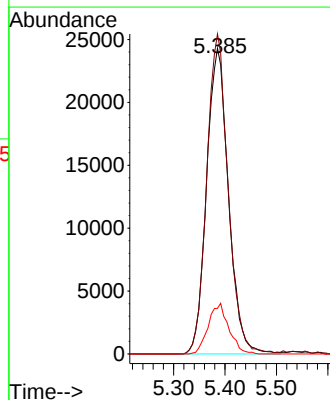
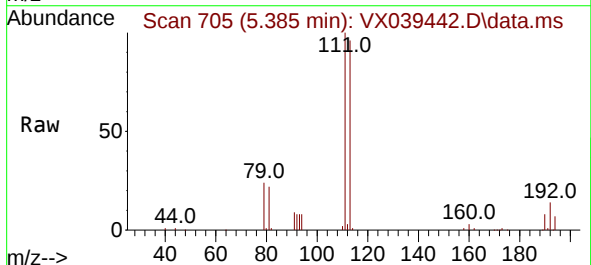
Instrument :  
MSVOA\_X  
ClientSampleId :  
COLS9

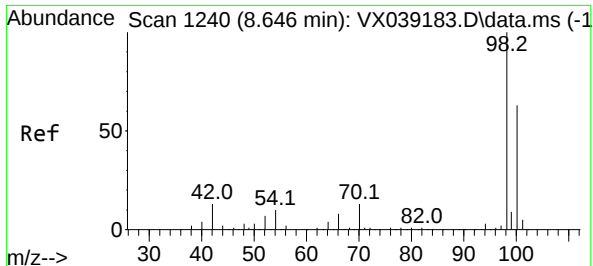
Tgt Ion:114 Resp: 217660  
Ion Ratio Lower Upper  
114 100  
63 23.5 0.0 45.0  
88 17.5 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 47.885 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX039442.D  
Acq: 22 Dec 2023 16:04

Tgt Ion:113 Resp: 72005  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.9 124.3  
192 15.5 13.3 19.9





#50

Toluene-d8

Concen: 49.792 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039442.D

Acq: 22 Dec 2023 16:04

Instrument :

MSVOA\_X

ClientSampleId :

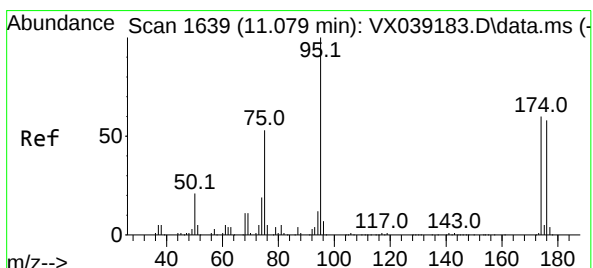
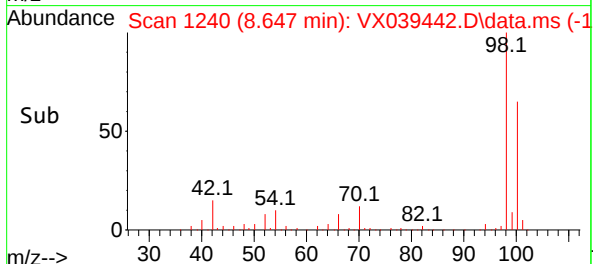
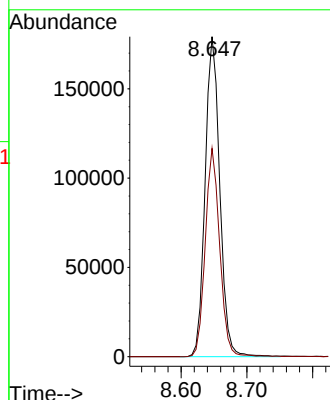
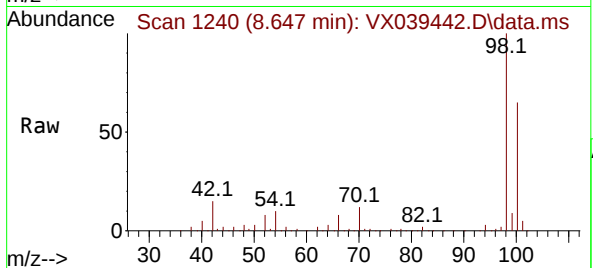
C0LS9

Tgt Ion: 98 Resp: 277966

Ion Ratio Lower Upper

98 100

100 64.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 54.265 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039442.D

Acq: 22 Dec 2023 16:04

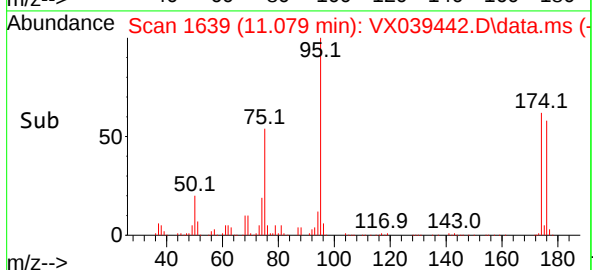
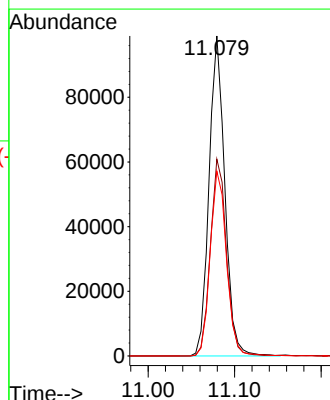
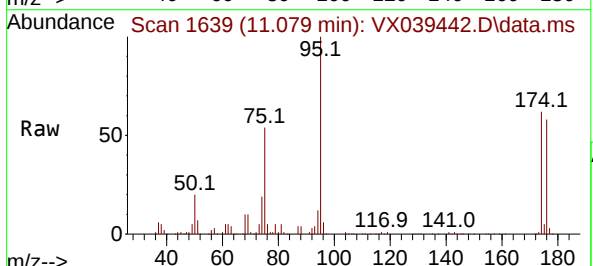
Tgt Ion: 95 Resp: 124990

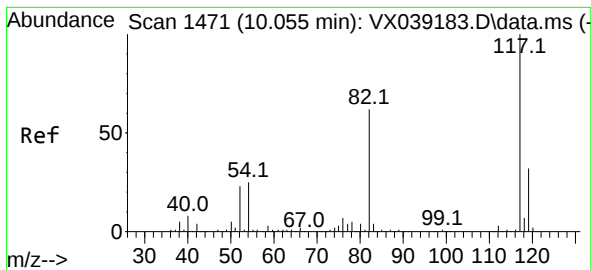
Ion Ratio Lower Upper

95 100

174 63.1 0.0 135.6

176 59.9 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VX039442.D

Acq: 22 Dec 2023 16:04

Instrument :

MSVOA\_X

ClientSampleId :

C0LS9

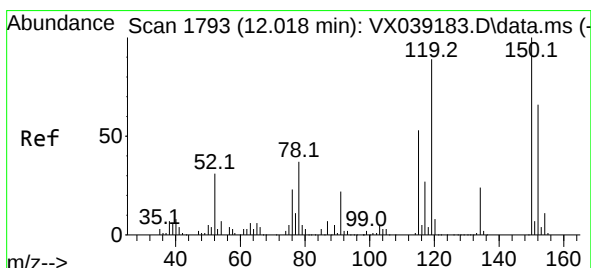
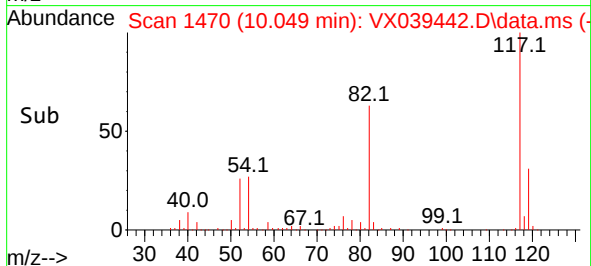
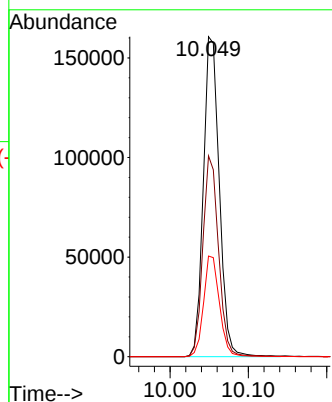
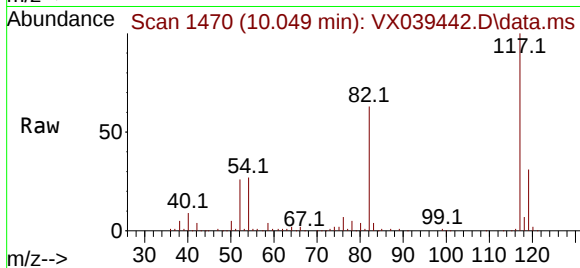
Tgt Ion:117 Resp: 227156

Ion Ratio Lower Upper

117 100

82 62.8 46.2 69.4

119 31.4 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.007 min

Lab File: VX039442.D

Acq: 22 Dec 2023 16:04

Tgt Ion:152 Resp: 116170

Ion Ratio Lower Upper

152 100

115 66.4 43.3 129.9

150 155.0 0.0 345.0

