

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011724\  
 Data File : VX039801.D  
 Acq On : 17 Jan 2024 14:45  
 Operator : JC/MD  
 Sample : P1156-11  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB-011524

Quant Time: Jan 18 02:43:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.556  | 168  | 95984    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 177184   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 176962   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 88354    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 74951    | 46.615   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 93.240%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 58111    | 48.693   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.380%  |
| 50) Toluene-d8              | 8.647  | 98    | 222751   | 49.489   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 98.980%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 90753    | 51.561   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 103.120% |

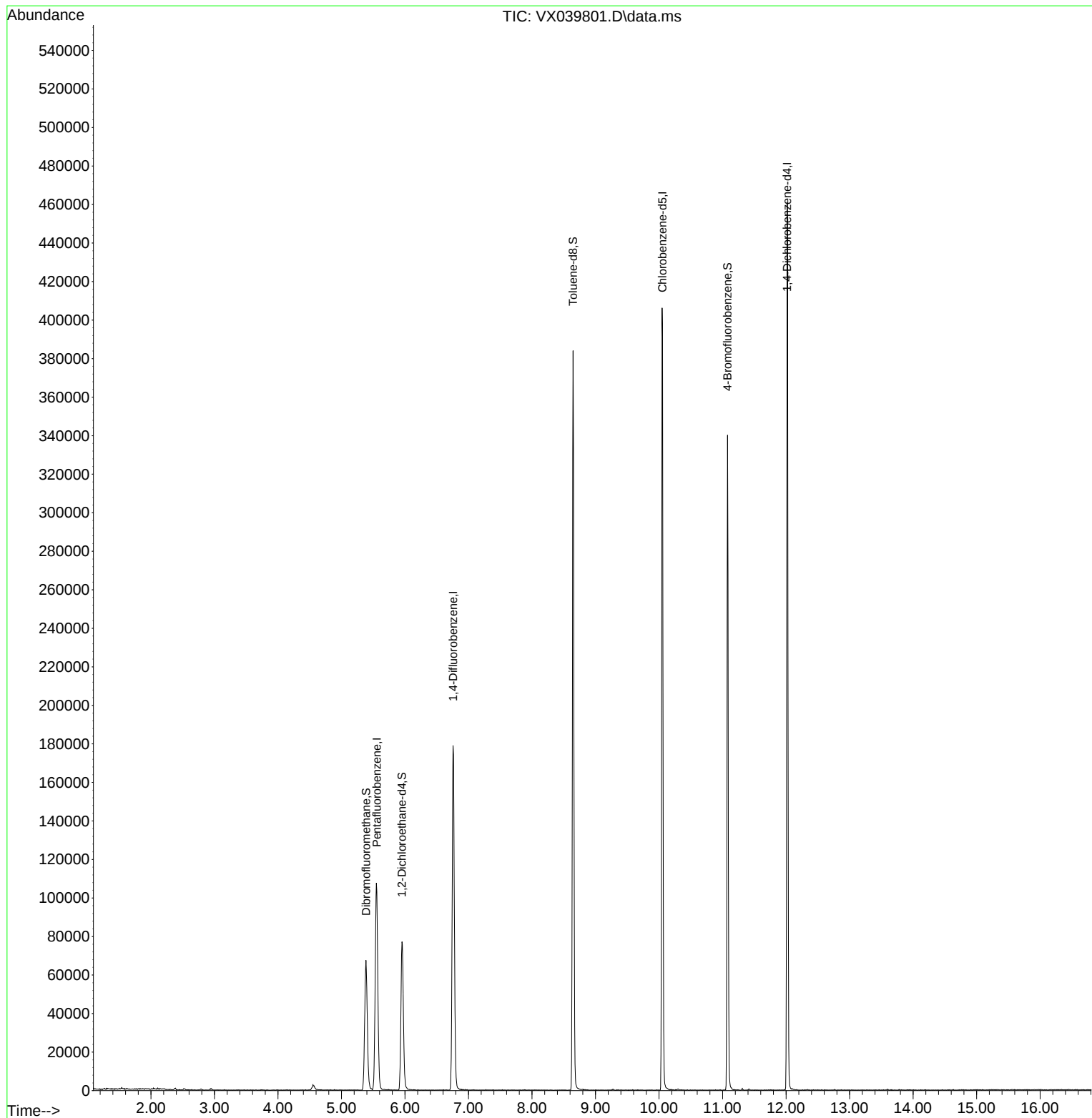
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

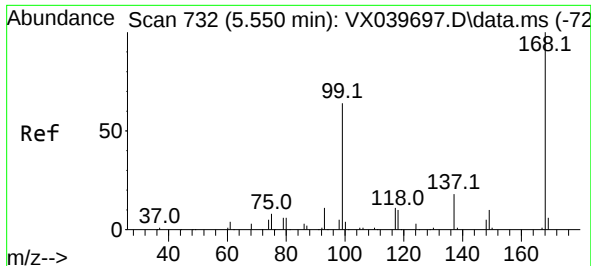
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jan 11 03:51:26 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX039801.D

Acq: 17 Jan 2024 14:45

Instrument :

MSVOA\_X

ClientSampleId :

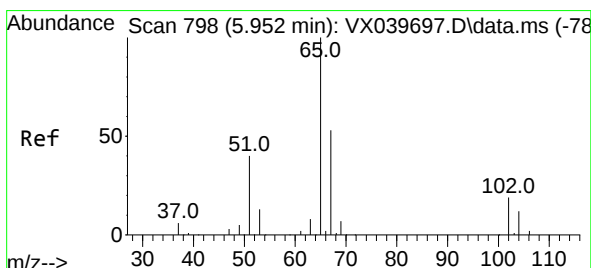
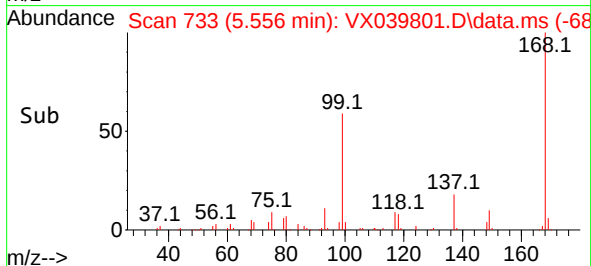
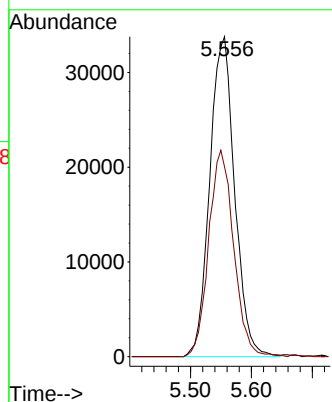
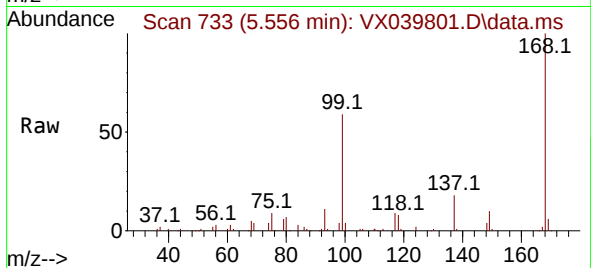
FB-011524

Tgt Ion:168 Resp: 95984

Ion Ratio Lower Upper

168 100

99 59.4 56.6 85.0



#33

1,2-Dichloroethane-d4

Concen: 46.615 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX039801.D

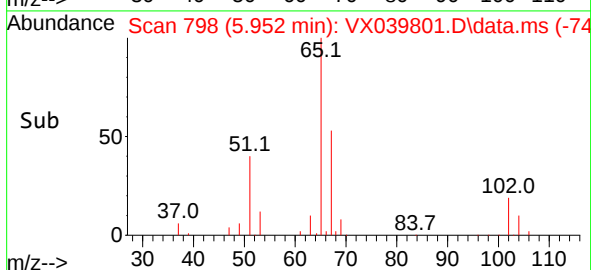
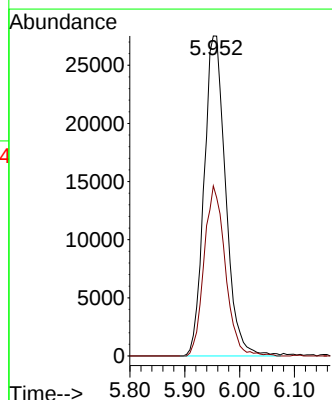
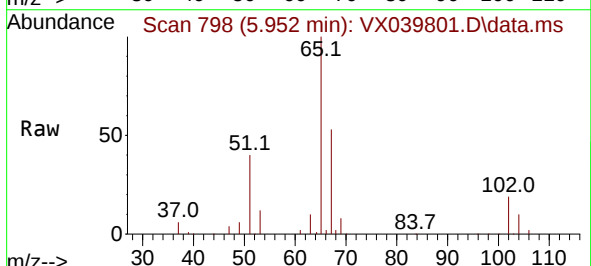
Acq: 17 Jan 2024 14:45

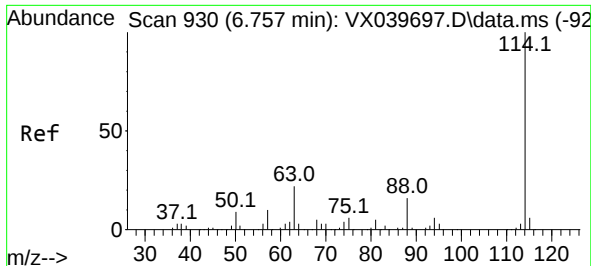
Tgt Ion: 65 Resp: 74951

Ion Ratio Lower Upper

65 100

67 52.4 0.0 100.2

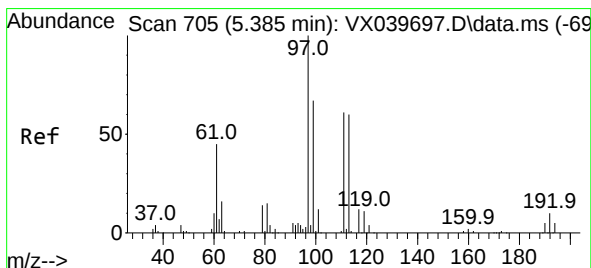
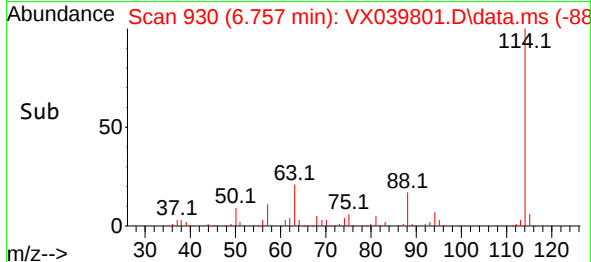
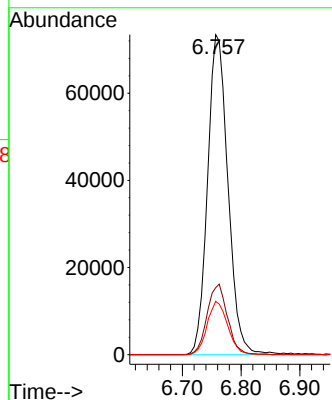
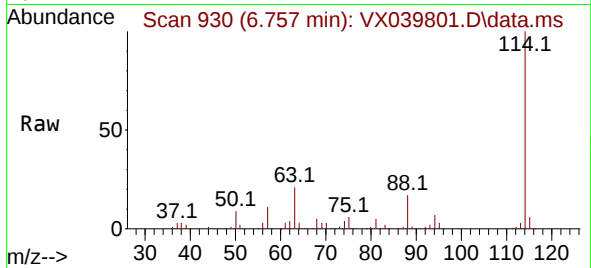




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX039801.D  
Acq: 17 Jan 2024 14:45

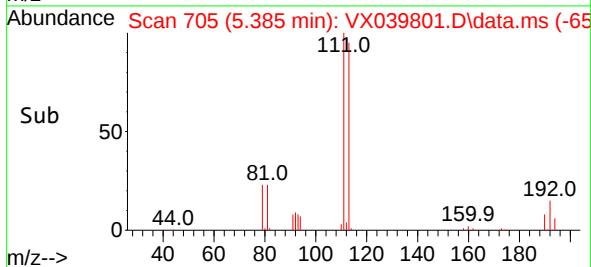
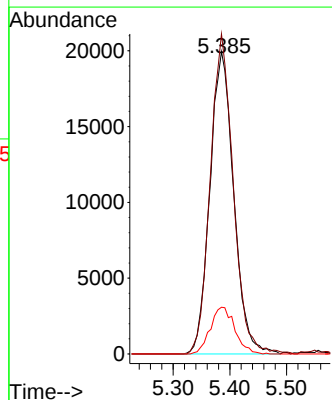
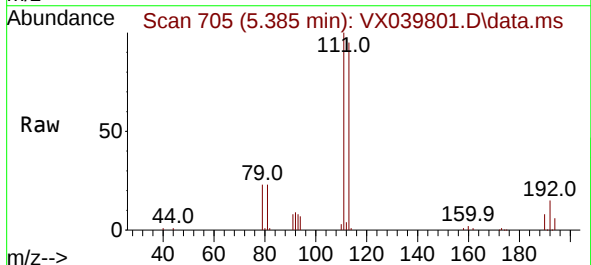
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB-011524

Tgt Ion:114 Resp: 177184  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 45.0  
88 16.6 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 48.693 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX039801.D  
Acq: 17 Jan 2024 14:45

Tgt Ion:113 Resp: 58111  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.9 124.3  
192 15.9 13.3 19.9

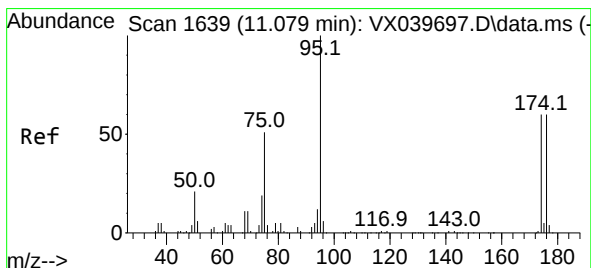
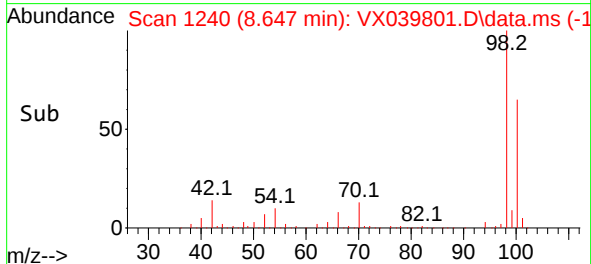
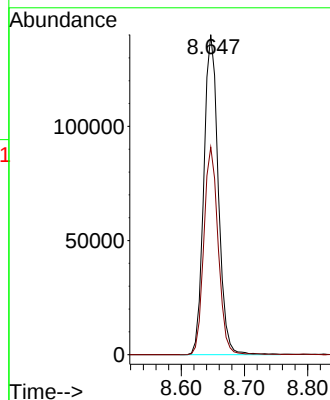
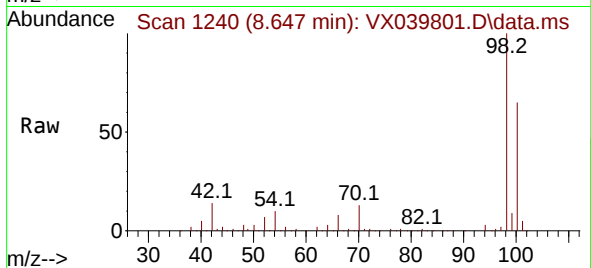




#50  
Toluene-d8  
Concen: 49.489 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX039801.D  
Acq: 17 Jan 2024 14:45

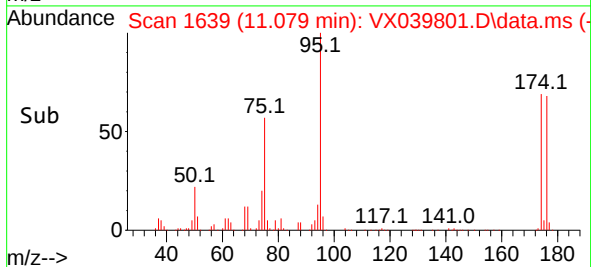
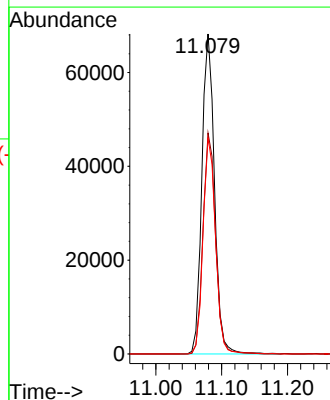
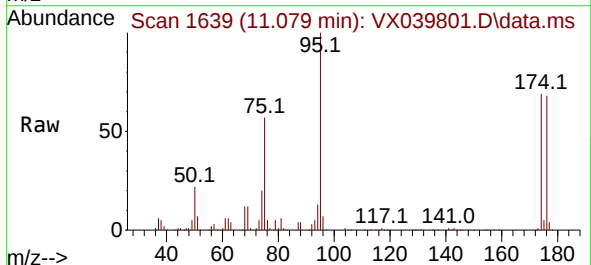
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB-011524

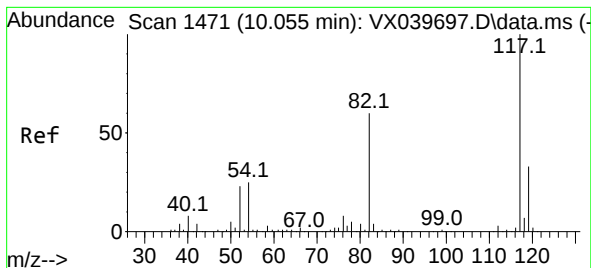
Tgt Ion: 98 Resp: 222751  
Ion Ratio Lower Upper  
98 100  
100 64.4 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 51.561 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX039801.D  
Acq: 17 Jan 2024 14:45

Tgt Ion: 95 Resp: 90753  
Ion Ratio Lower Upper  
95 100  
174 68.9 0.0 135.6  
176 66.9 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX039801.D

Acq: 17 Jan 2024 14:45

Instrument :

MSVOA\_X

ClientSampleId :

FB-011524

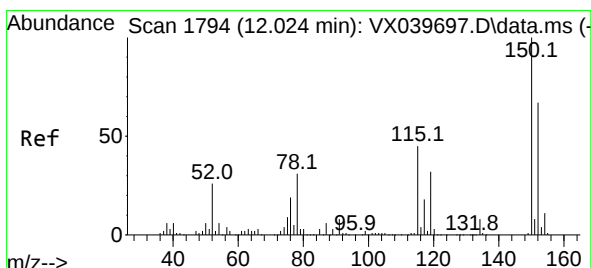
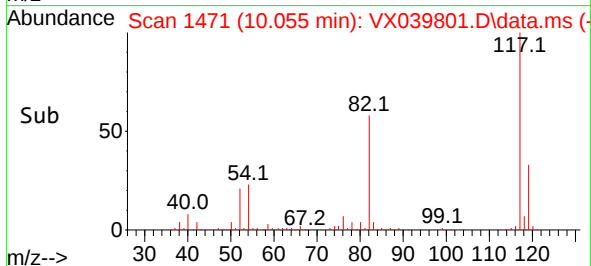
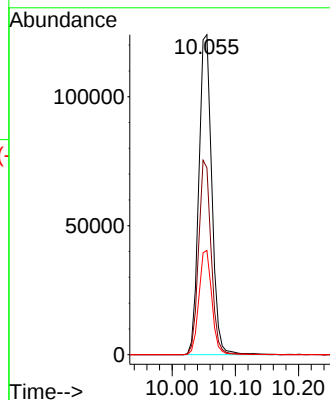
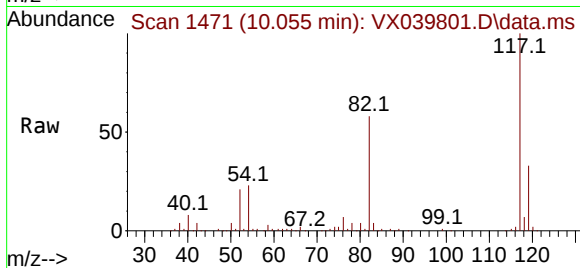
Tgt Ion:117 Resp: 176962

Ion Ratio Lower Upper

117 100

82 58.4 46.2 69.4

119 32.6 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX039801.D

Acq: 17 Jan 2024 14:45

Tgt Ion:152 Resp: 88354

Ion Ratio Lower Upper

152 100

115 64.0 43.3 129.9

150 157.9 0.0 345.0

