

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101123\  
 Data File : VX038241.D  
 Acq On : 11 Oct 2023 19:47  
 Operator : JC/MD  
 Sample : 04803-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-100623

Quant Time: Oct 12 02:50:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:27:13 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 104406   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 188111   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 190190   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 96100    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 78425    | 46.701   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 93.400%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 62347    | 45.997   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 92.000%  |
| 50) Toluene-d8              | 8.647  | 98    | 236189   | 45.600   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 91.200%# |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 88037    | 44.834   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 89.660%  |

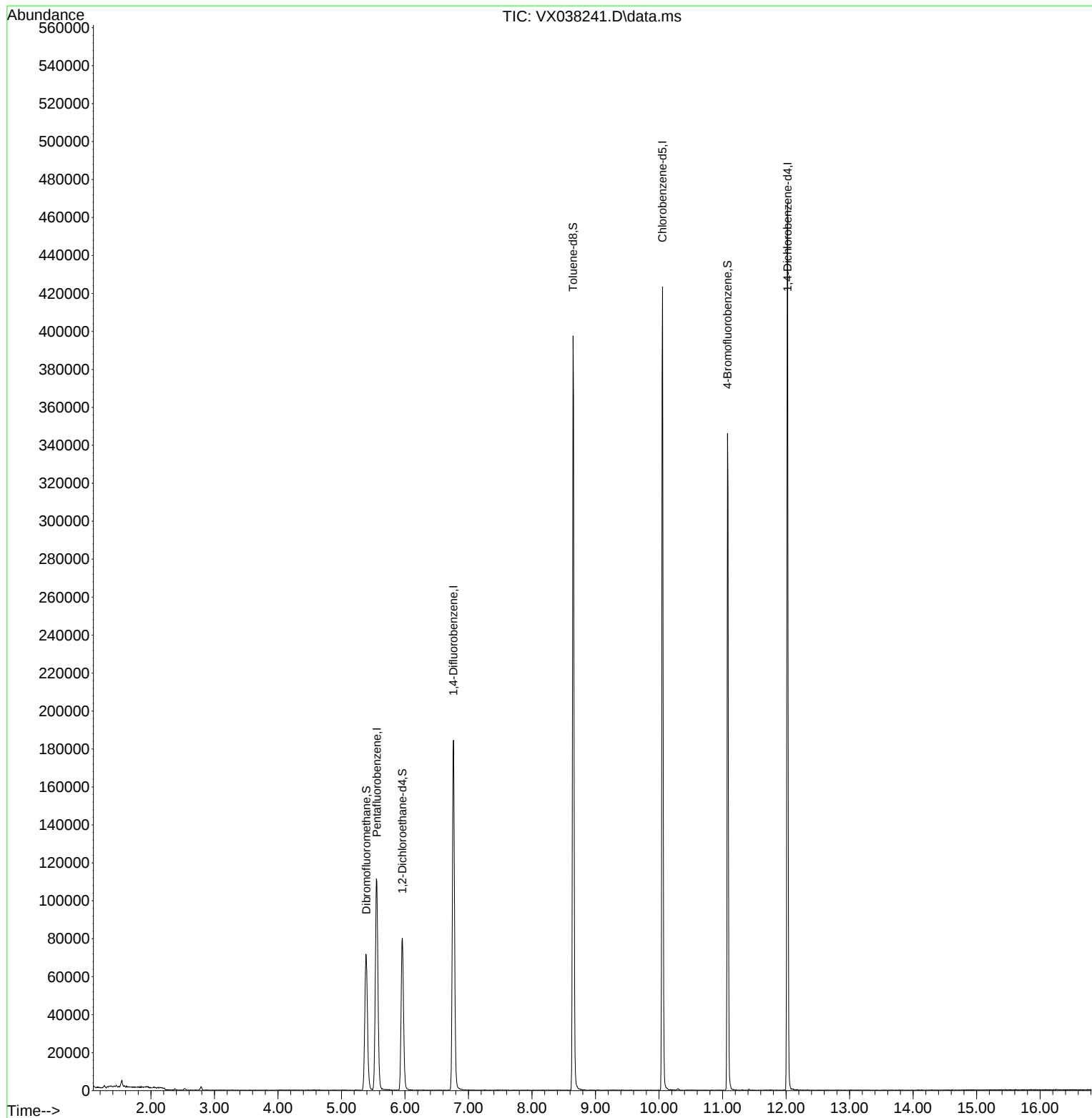
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

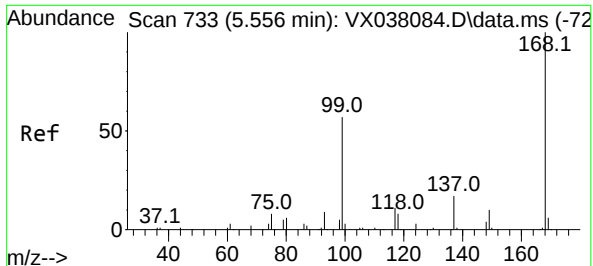
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Oct 05 15:27:13 2023  
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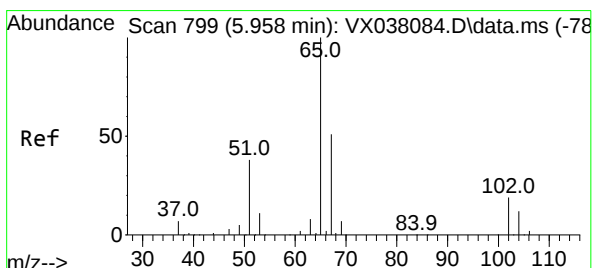
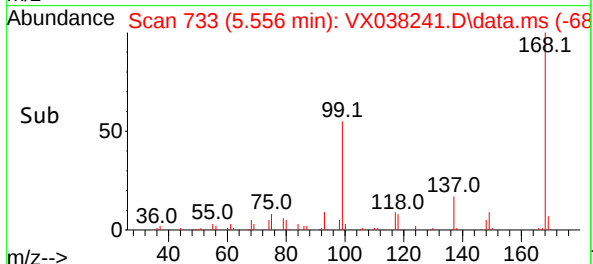
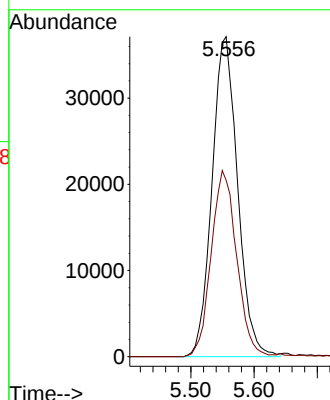
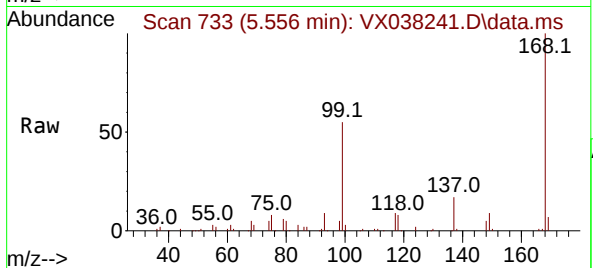




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. -0.000 min  
Lab File: VX038241.D  
Acq: 11 Oct 2023 19:47

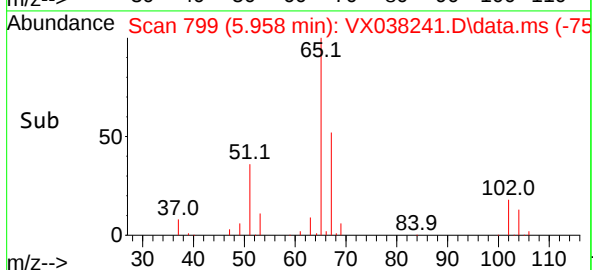
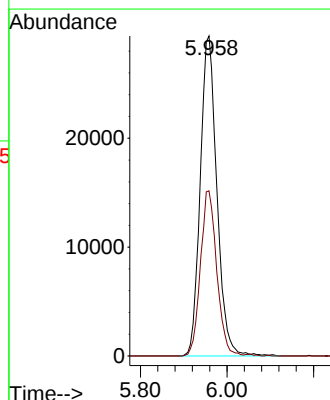
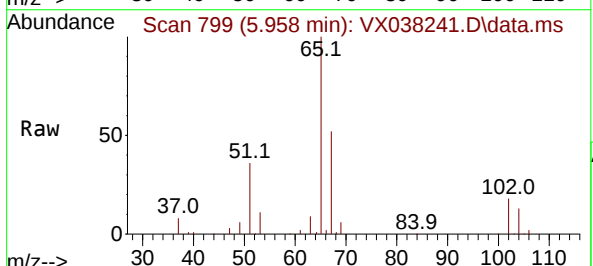
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-100623

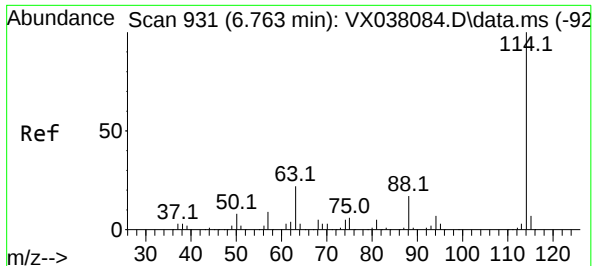
Tgt Ion:168 Resp: 104406  
Ion Ratio Lower Upper  
168 100  
99 55.1 56.6 85.0#



#33  
1,2-Dichloroethane-d4  
Concen: 46.701 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX038241.D  
Acq: 11 Oct 2023 19:47

Tgt Ion: 65 Resp: 78425  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX038241.D

Acq: 11 Oct 2023 19:47

Instrument :

MSVOA\_X

ClientSampleId :

TB-100623

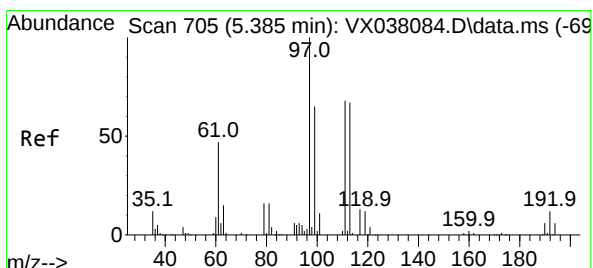
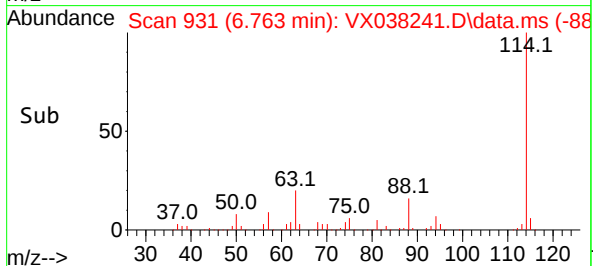
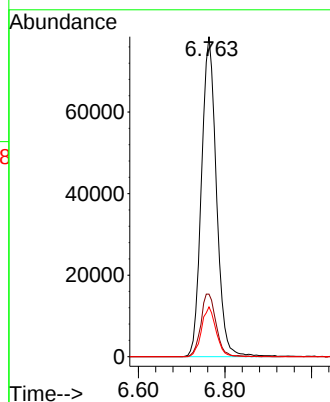
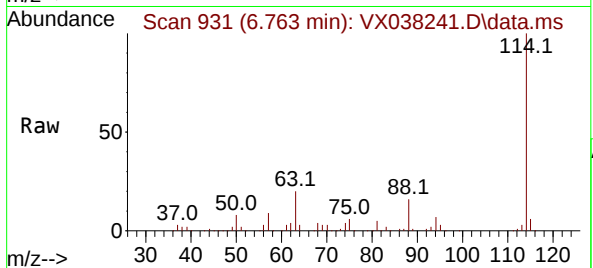
Tgt Ion:114 Resp: 188111

Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

88 15.5 0.0 36.6



#35

Dibromofluoromethane

Concen: 45.997 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX038241.D

Acq: 11 Oct 2023 19:47

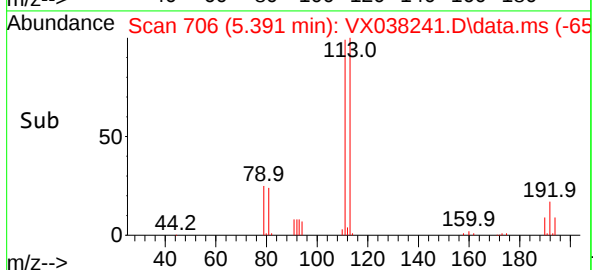
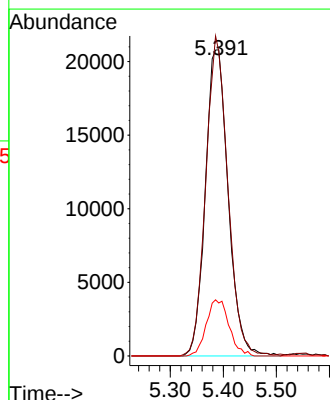
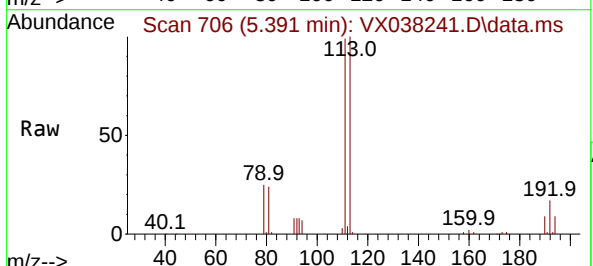
Tgt Ion:113 Resp: 62347

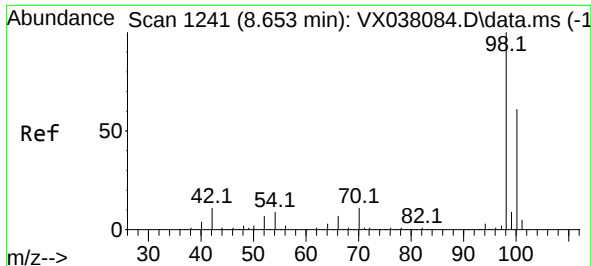
Ion Ratio Lower Upper

113 100

111 100.6 82.9 124.3

192 18.3 13.3 19.9

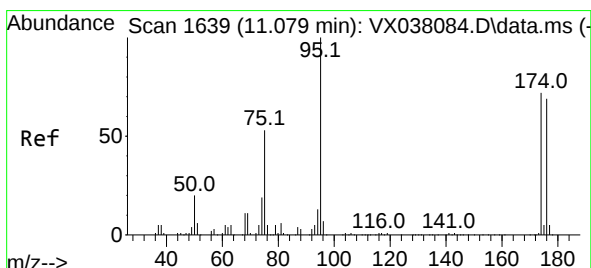
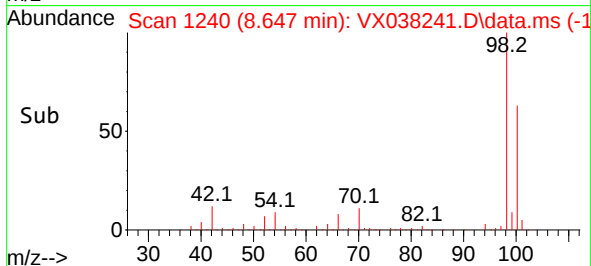
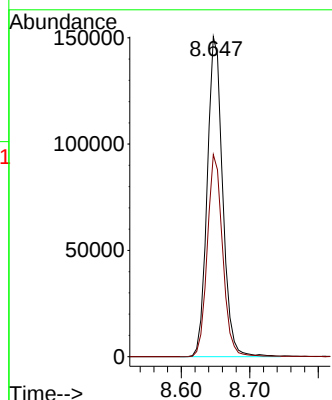
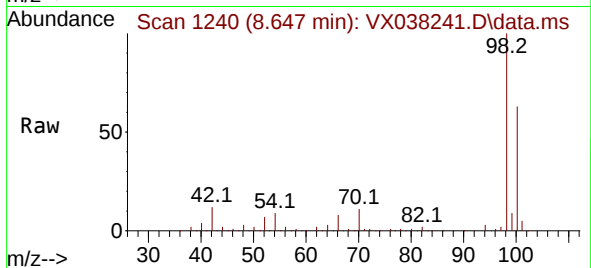




#50  
Toluene-d8  
Concen: 45.600 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX038241.D  
Acq: 11 Oct 2023 19:47

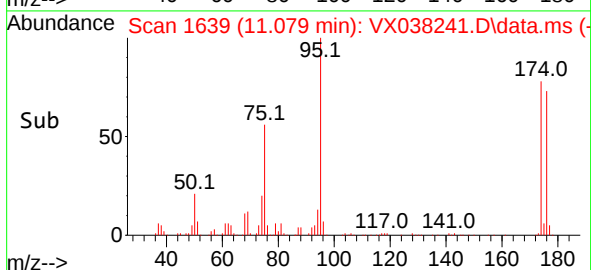
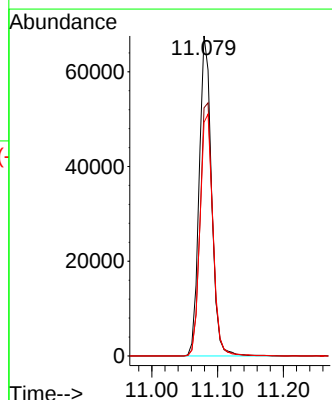
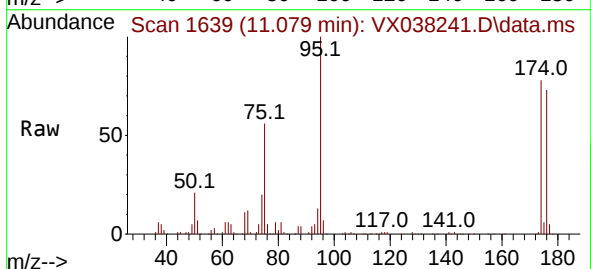
Instrument :  
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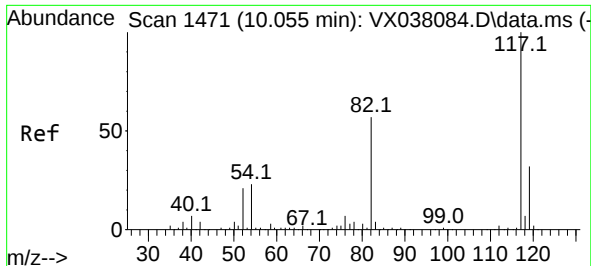
Tgt Ion: 98 Resp: 236189  
Ion Ratio Lower Upper  
98 100  
100 62.8 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 44.834 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038241.D  
Acq: 11 Oct 2023 19:47

Tgt Ion: 95 Resp: 88037  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 135.6  
176 79.4 0.0 131.0

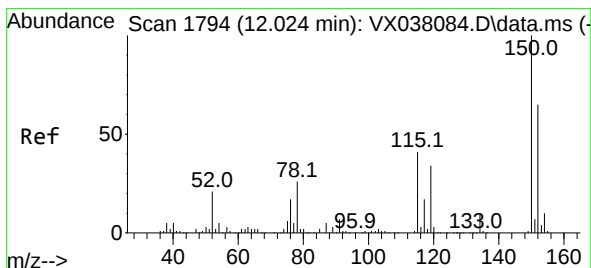
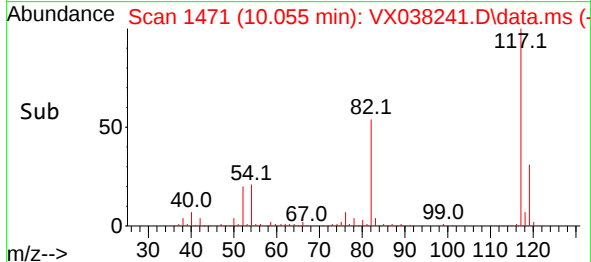
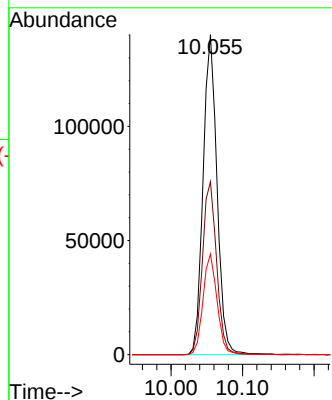
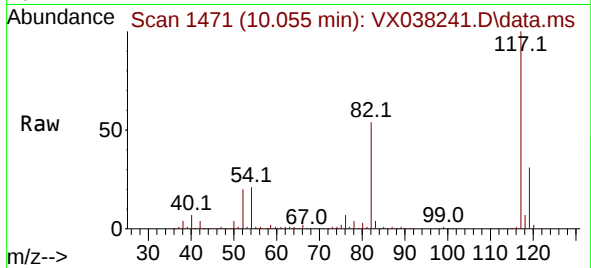




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038241.D  
Acq: 11 Oct 2023 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-100623

Tgt Ion:117 Resp: 190190  
Ion Ratio Lower Upper  
117 100  
82 54.0 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. 0.000 min  
Lab File: VX038241.D  
Acq: 11 Oct 2023 19:47

Tgt Ion:152 Resp: 96100  
Ion Ratio Lower Upper  
152 100  
115 59.6 43.3 129.9  
150 157.4 0.0 345.0

