

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX033023\  
 Data File : VX034860.D  
 Acq On : 30 Mar 2023 18:10  
 Operator : JC/MD  
 Sample : 02096-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_X  
**ClientSampleId :**  
 MW-2

Quant Time: Mar 31 01:35:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 30 11:02:25 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	5.550	168	230126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	399279	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	354571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	157500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	168432	47.858	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.720%
35) Dibromofluoromethane	5.385	113	124051	46.973	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.940%
50) Toluene-d8	8.647	98	479801	49.222	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.440%
62) 4-Bromofluorobenzene	11.079	95	172967	45.854	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.700%

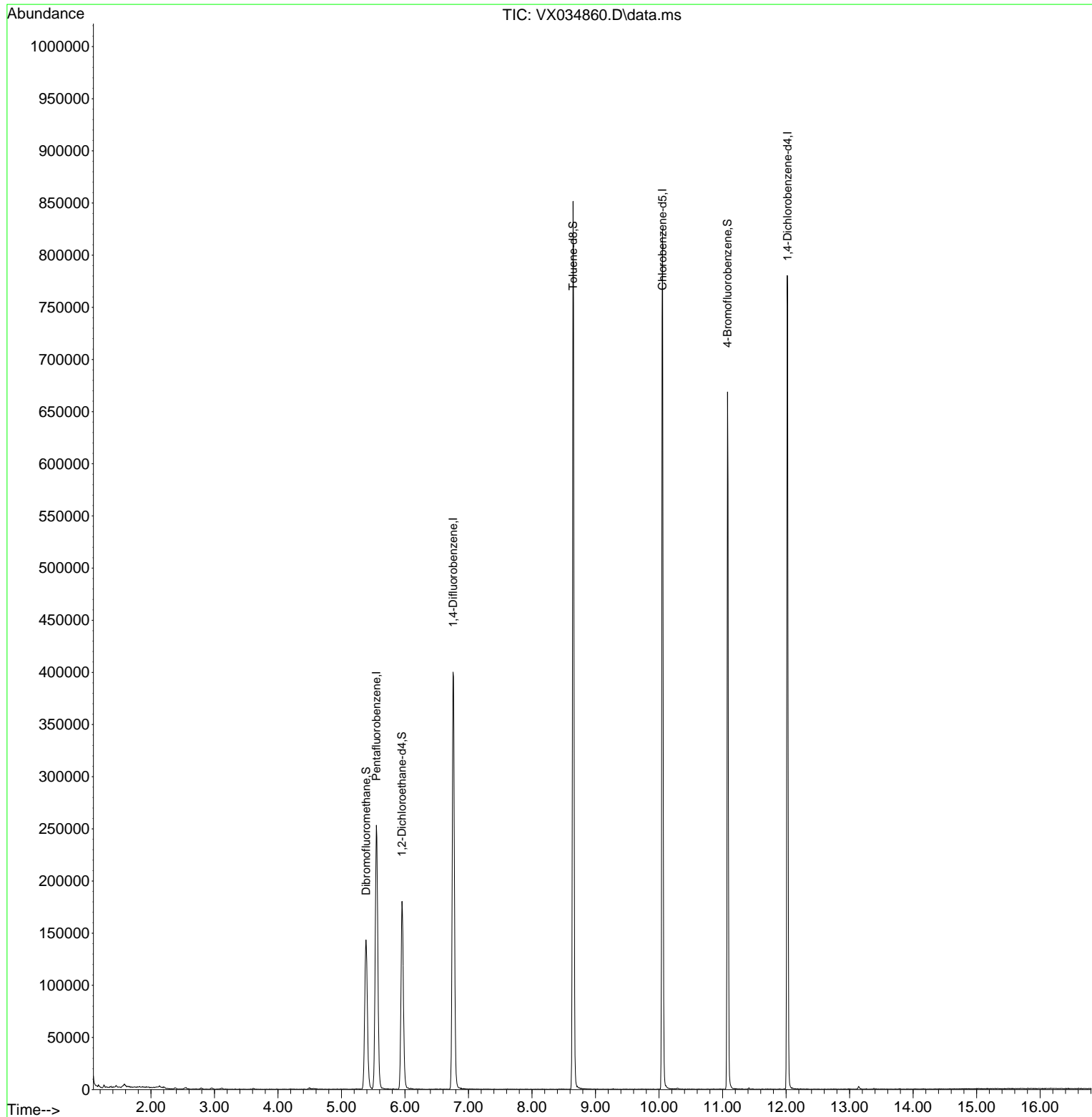
Target Compounds Qvalue  
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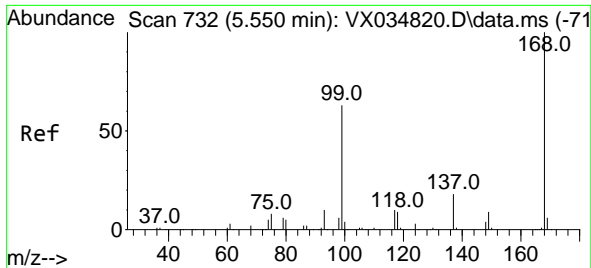
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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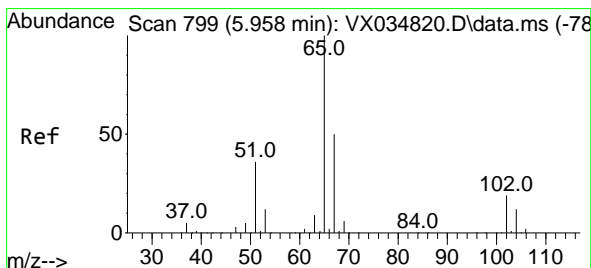
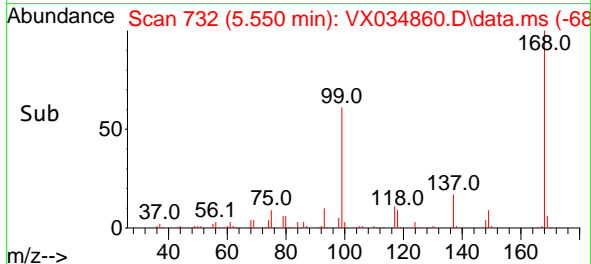
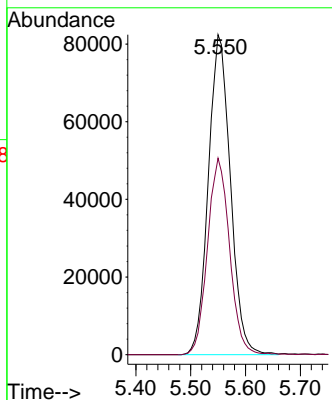
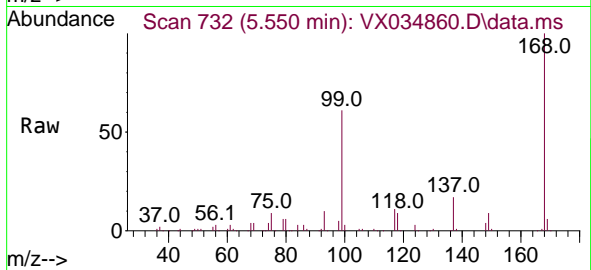




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.550 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VX034860.D  
 Acq: 30 Mar 2023 18:10

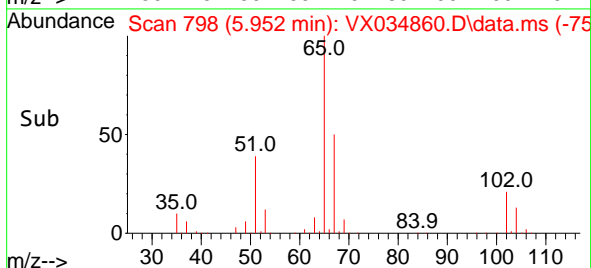
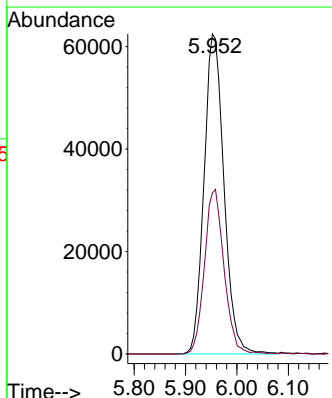
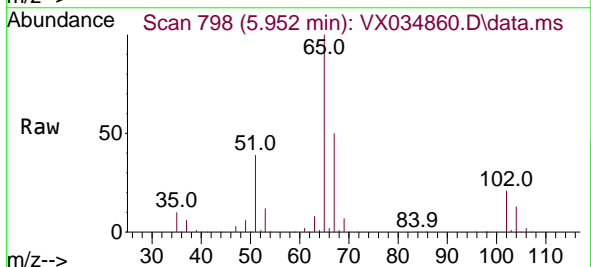
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

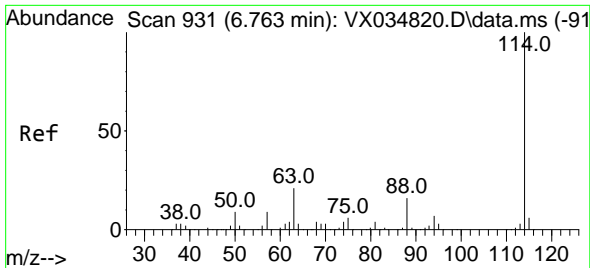
Tgt Ion:168 Resp: 230126  
 Ion Ratio Lower Upper  
 168 100  
 99 61.4 45.7 68.5



#33  
 1,2-Dichloroethane-d4  
 Concen: 47.858 ug/l  
 RT: 5.952 min Scan# 798  
 Delta R.T. -0.006 min  
 Lab File: VX034860.D  
 Acq: 30 Mar 2023 18:10

Tgt Ion: 65 Resp: 168432  
 Ion Ratio Lower Upper  
 65 100  
 67 50.5 0.0 104.0



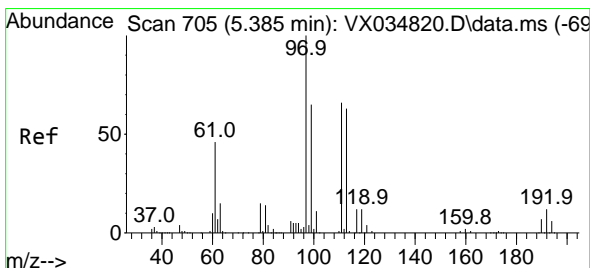
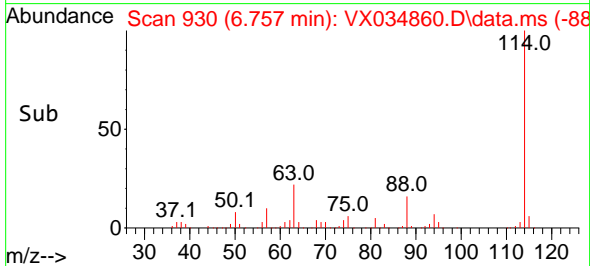
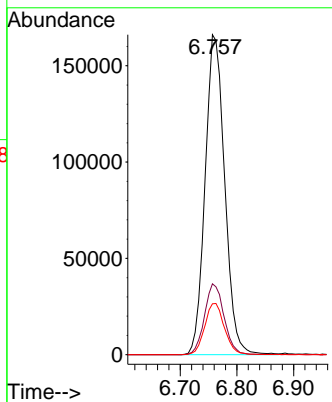
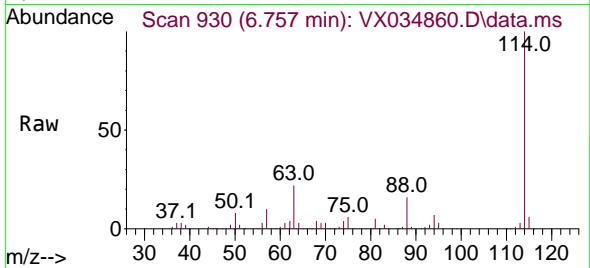


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 911  
 Delta R.T. -0.006 min  
 Lab File: VX034860.D  
 Acq: 30 Mar 2023 18:10

Instrument : MSVOA\_X  
 ClientSampleId : MW-2

Tgt Ion:114 Resp: 399279

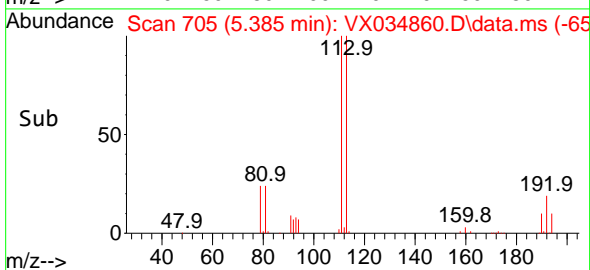
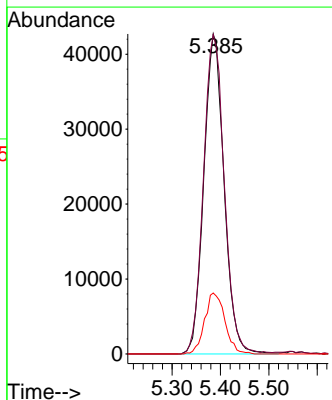
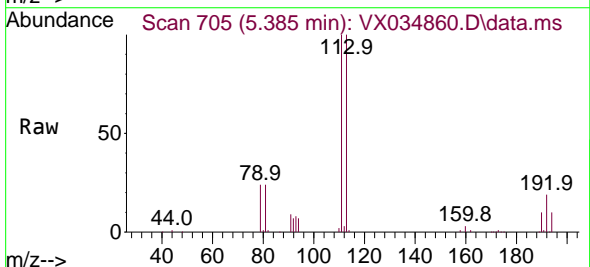
Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	42.2
88	15.9	0.0	33.2

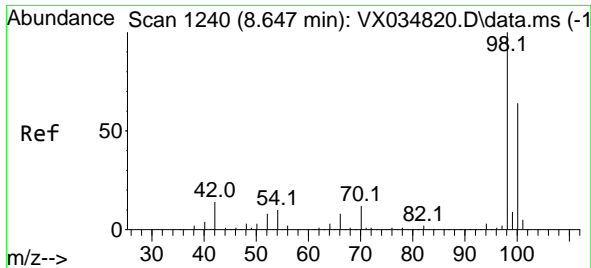


#35  
 Dibromofluoromethane  
 Concen: 46.973 ug/l  
 RT: 5.385 min Scan# 705  
 Delta R.T. -0.000 min  
 Lab File: VX034860.D  
 Acq: 30 Mar 2023 18:10

Tgt Ion:113 Resp: 124051

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.7	125.5
192	19.1	15.4	23.2

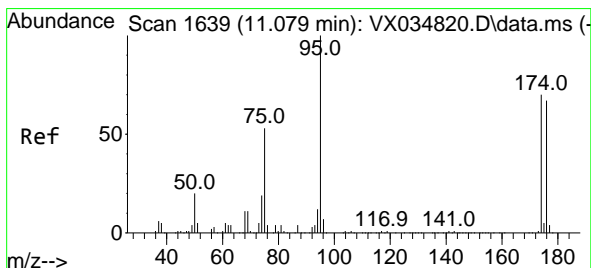
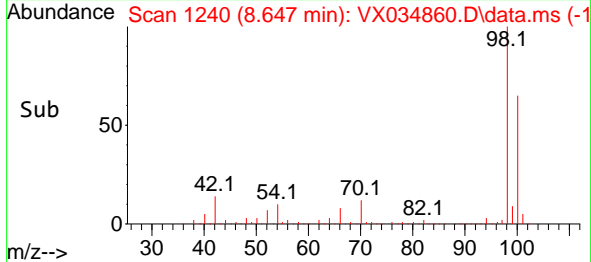
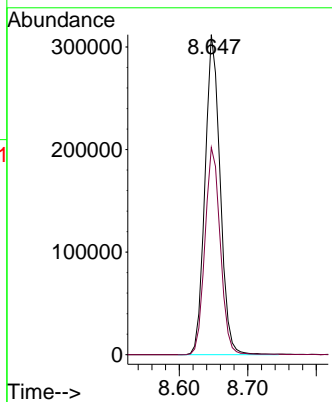
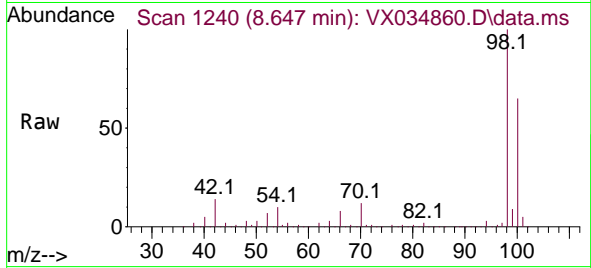




#50  
 Toluene-d8  
 Concen: 49.222 ug/l  
 RT: 8.647 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX034860.D  
 Acq: 30 Mar 2023 18:10

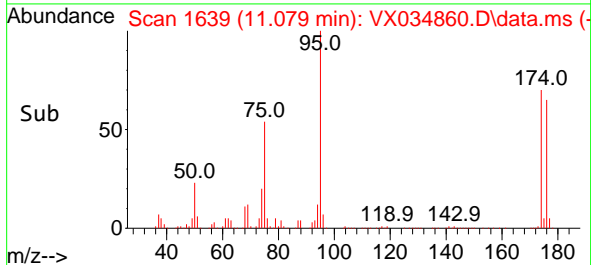
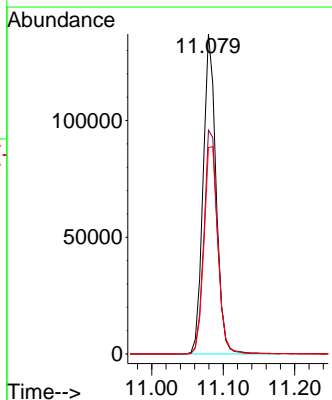
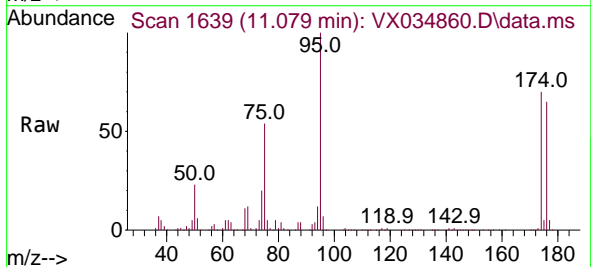
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

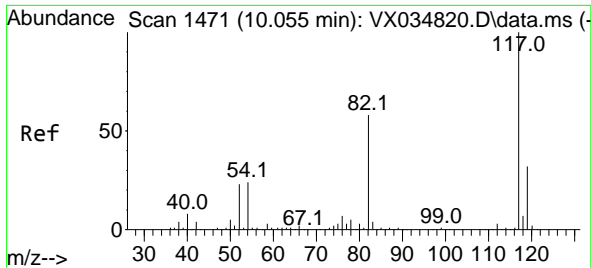
Tgt Ion: 98 Resp: 479801  
 Ion Ratio Lower Upper  
 98 100  
 100 65.6 52.5 78.7



#62  
 4-Bromofluorobenzene  
 Concen: 45.854 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.000 min  
 Lab File: VX034860.D  
 Acq: 30 Mar 2023 18:10

Tgt Ion: 95 Resp: 172967  
 Ion Ratio Lower Upper  
 95 100  
 174 73.4 0.0 147.4  
 176 70.2 0.0 140.6



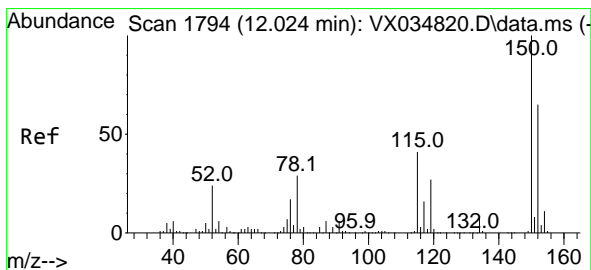
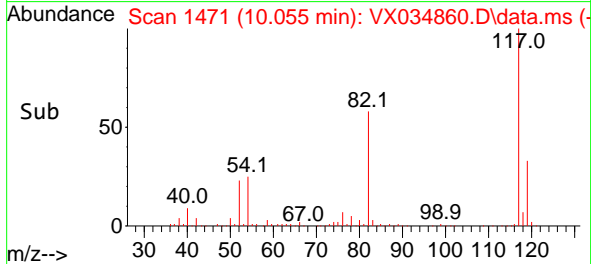
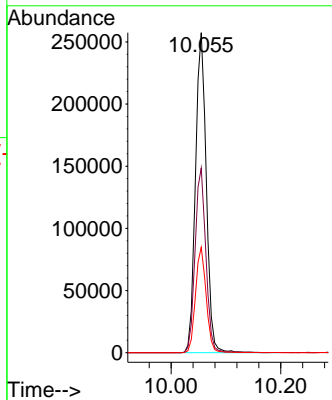
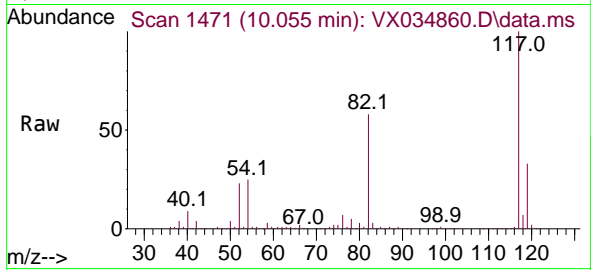


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.055 min Scan# 1471  
 Delta R.T. 0.000 min  
 Lab File: VX034860.D  
 Acq: 30 Mar 2023 18:10

Instrument : MSVOA\_X  
 ClientSampleId : MW-2

Tgt Ion:117 Resp: 354571

Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.0	67.4
119	33.0	26.0	39.0



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX034860.D  
 Acq: 30 Mar 2023 18:10

Tgt Ion:152 Resp: 157500

Ion	Ratio	Lower	Upper
152	100		
115	61.2	45.0	135.0
150	157.5	0.0	352.4

