

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080823\  
 Data File : VY014975.D  
 Acq On : 08 Aug 2023 11:16  
 Operator : SY/MD  
 Sample : VY0808SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_Y  
**ClientSampleId :**  
 VY0808SBL01

Quant Time: Aug 08 15:51:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 08 07:44:56 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	214629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	380089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	368128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	176414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	138289	53.160	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.320%
35) Dibromofluoromethane	7.716	113	119520	49.173	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.340%
50) Toluene-d8	10.179	98	454919	49.173	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.340%
62) 4-Bromofluorobenzene	12.483	95	166916	50.907	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.820%

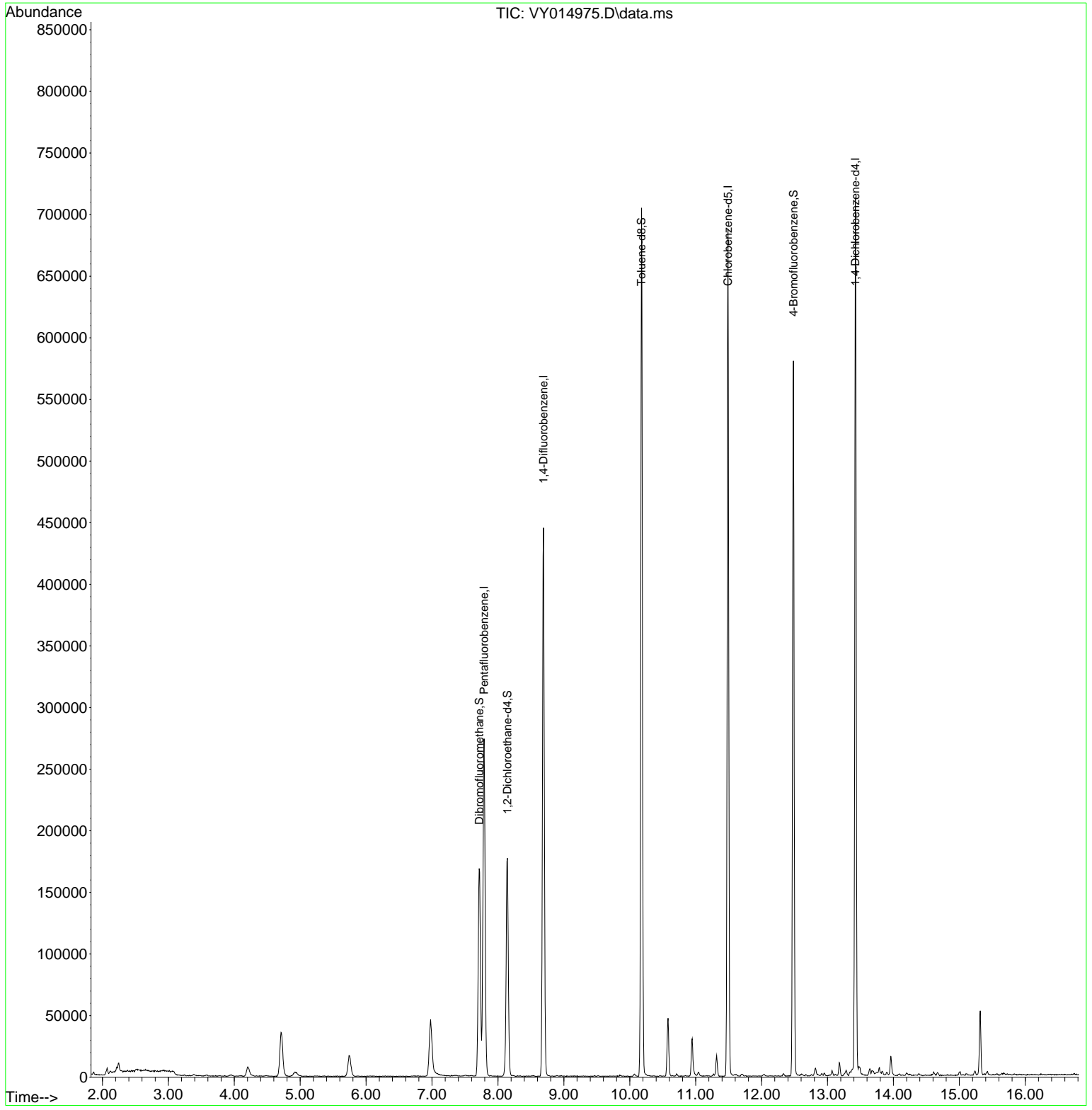
Target Compounds Qvalue

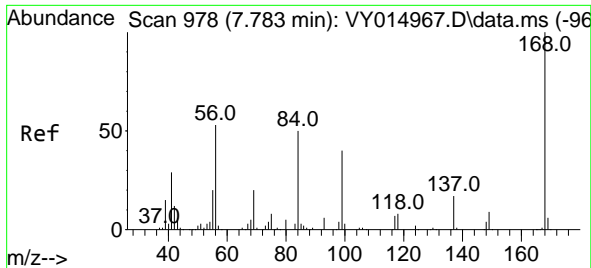
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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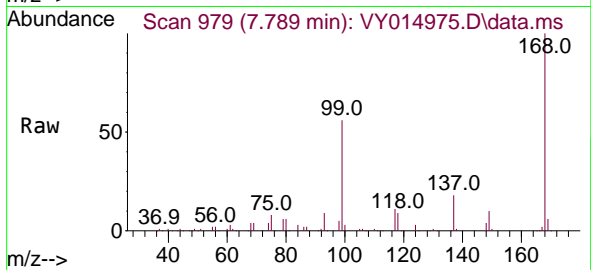
Quant Time: Aug 08 15:51:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.M  
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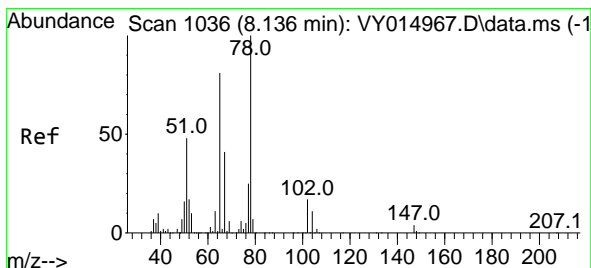
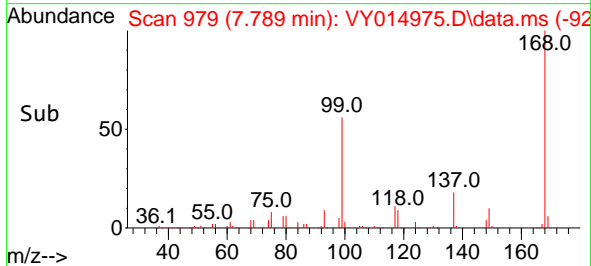
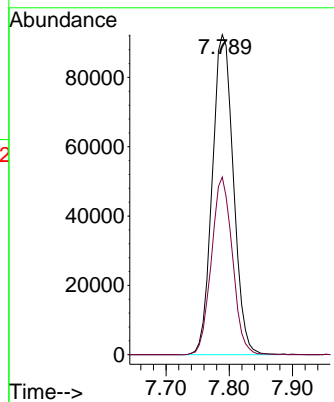


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.789 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VY014975.D  
 Acq: 08 Aug 2023 11:16

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0808SBL01

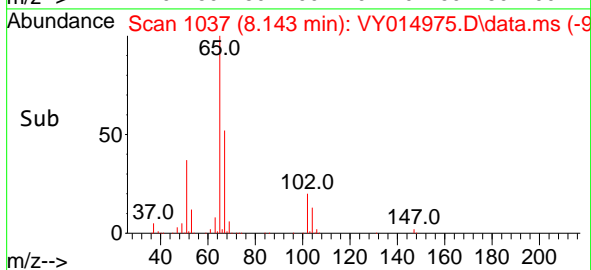
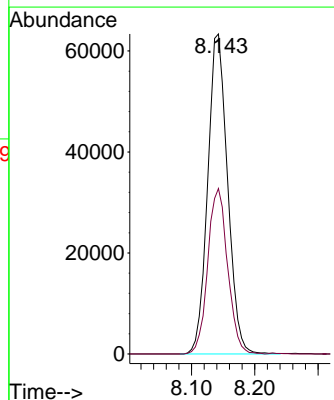
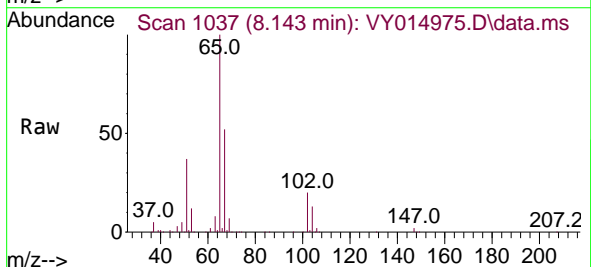


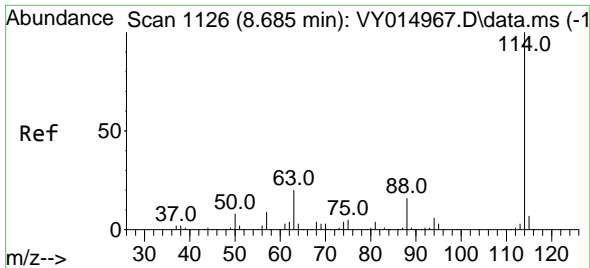
Tgt Ion:168 Resp: 214629  
 Ion Ratio Lower Upper  
 168 100  
 99 55.5 43.4 65.0



#33  
 1,2-Dichloroethane-d4  
 Concen: 53.160 ug/l  
 RT: 8.143 min Scan# 1037  
 Delta R.T. 0.006 min  
 Lab File: VY014975.D  
 Acq: 08 Aug 2023 11:16

Tgt Ion: 65 Resp: 138289  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 101.8





#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.006 min  
 Lab File: VY014975.D  
 Acq: 08 Aug 2023 11:16

Instrument :

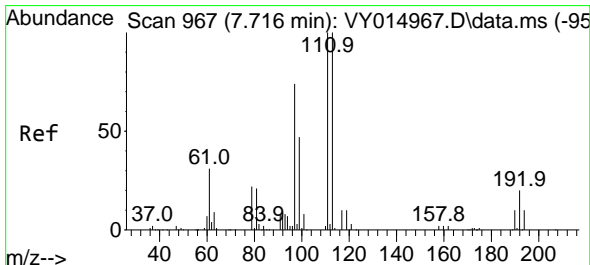
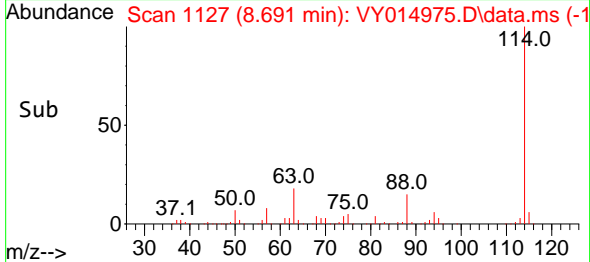
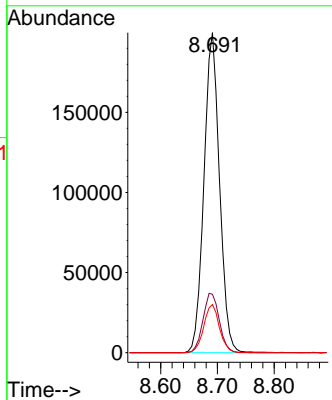
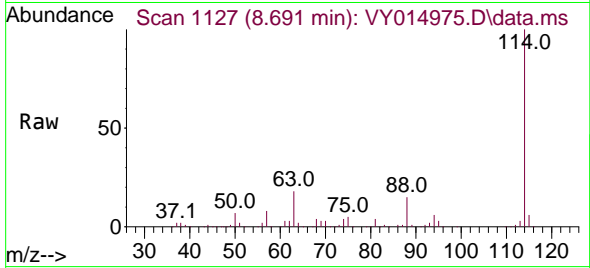
MSVOA\_Y

ClientSampleId :

VY0808SBL01

Tgt Ion:114 Resp: 380089

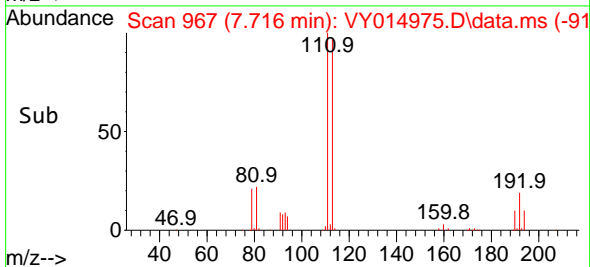
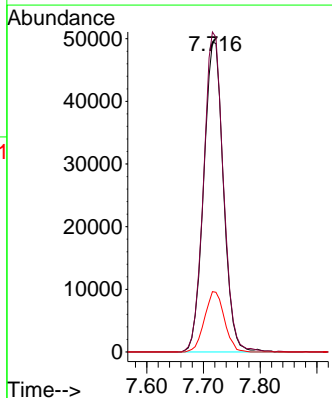
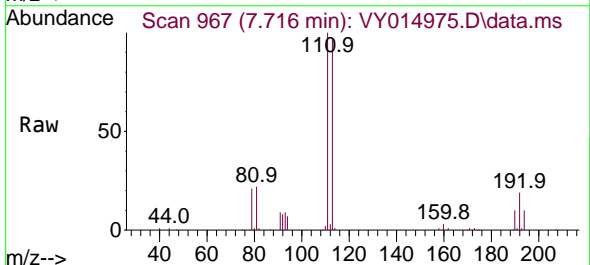
Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	42.4
88	15.1	0.0	30.6

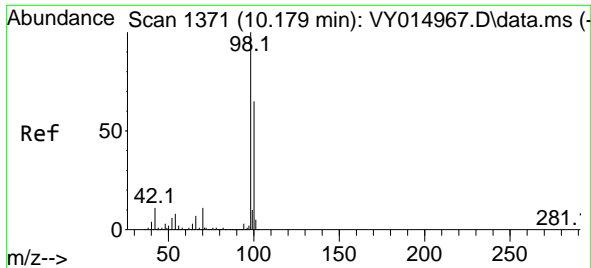


#35  
 Dibromofluoromethane  
 Concen: 49.173 ug/l  
 RT: 7.716 min Scan# 967  
 Delta R.T. 0.000 min  
 Lab File: VY014975.D  
 Acq: 08 Aug 2023 11:16

Tgt Ion:113 Resp: 119520

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.3	121.9
192	19.6	16.9	25.3

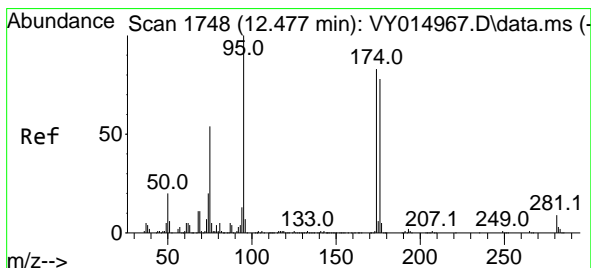
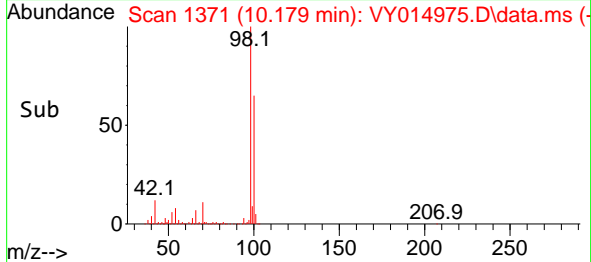
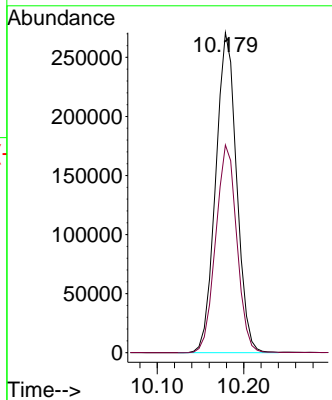
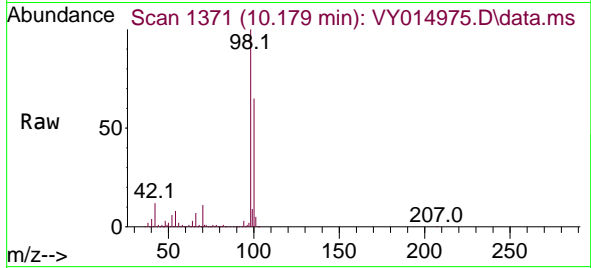




#50  
 Toluene-d8  
 Concen: 49.173 ug/l  
 RT: 10.179 min Scan# 1371  
 Delta R.T. 0.000 min  
 Lab File: VY014975.D  
 Acq: 08 Aug 2023 11:16

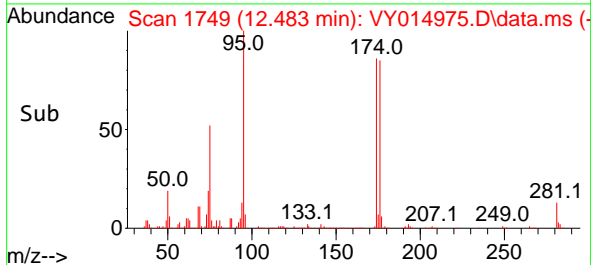
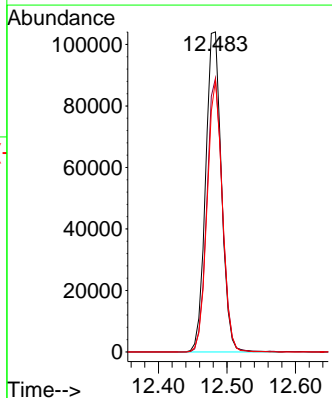
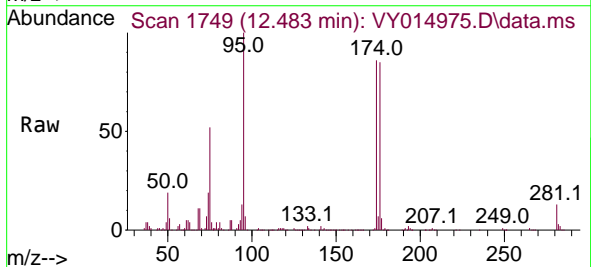
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0808SBL01

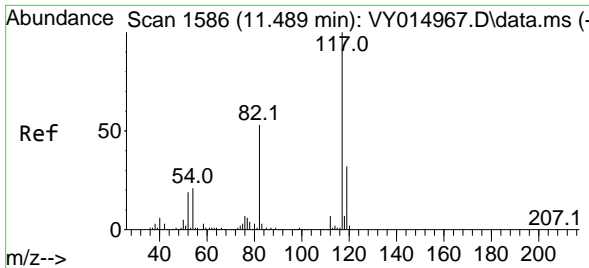
Tgt Ion: 98 Resp: 454919  
 Ion Ratio Lower Upper  
 98 100  
 100 65.6 50.1 75.1



#62  
 4-Bromofluorobenzene  
 Concen: 50.907 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.006 min  
 Lab File: VY014975.D  
 Acq: 08 Aug 2023 11:16

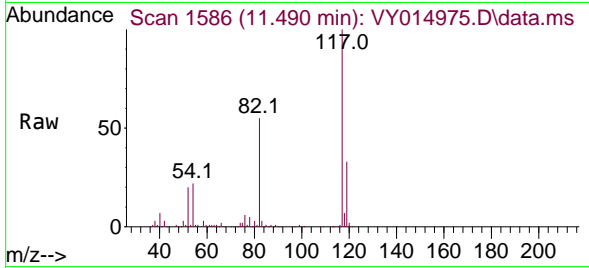
Tgt Ion: 95 Resp: 166916  
 Ion Ratio Lower Upper  
 95 100  
 174 83.7 0.0 178.2  
 176 81.6 0.0 173.8





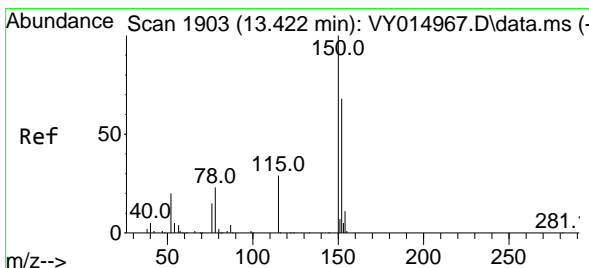
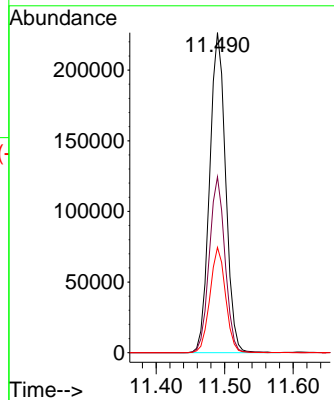
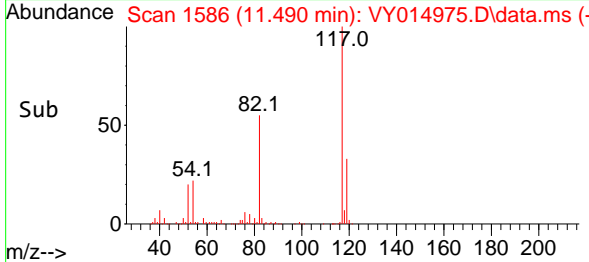
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.490 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VY014975.D  
 Acq: 08 Aug 2023 11:16

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0808SBL01

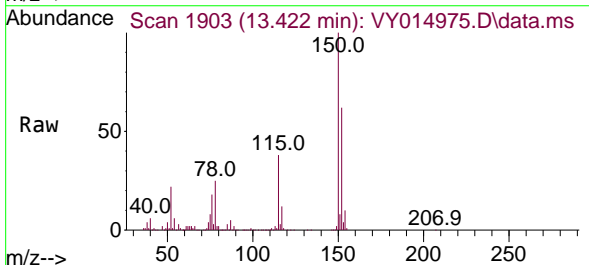


Tgt Ion:117 Resp: 368128

Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.4	65.0
119	32.9	26.3	39.5



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY014975.D  
 Acq: 08 Aug 2023 11:16



Tgt Ion:152 Resp: 176414

Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.8	86.5
150	158.5	0.0	348.8

