

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072523\  
 Data File : VY014800.D  
 Acq On : 25 Jul 2023 14:34  
 Operator : SY/MD  
 Sample : 03681-24  
 Misc : 5.78g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_Y  
**ClientSampleId :**  
 RPTP-8-GRAB-16

Quant Time: Jul 26 01:18:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	167560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	291518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	277613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104428	54.691	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.380%
35) Dibromofluoromethane	7.716	113	91711	49.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.840%
50) Toluene-d8	10.179	98	346381	50.628	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.260%
62) 4-Bromofluorobenzene	12.477	95	127092	48.446	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.900%

Target Compounds Qvalue

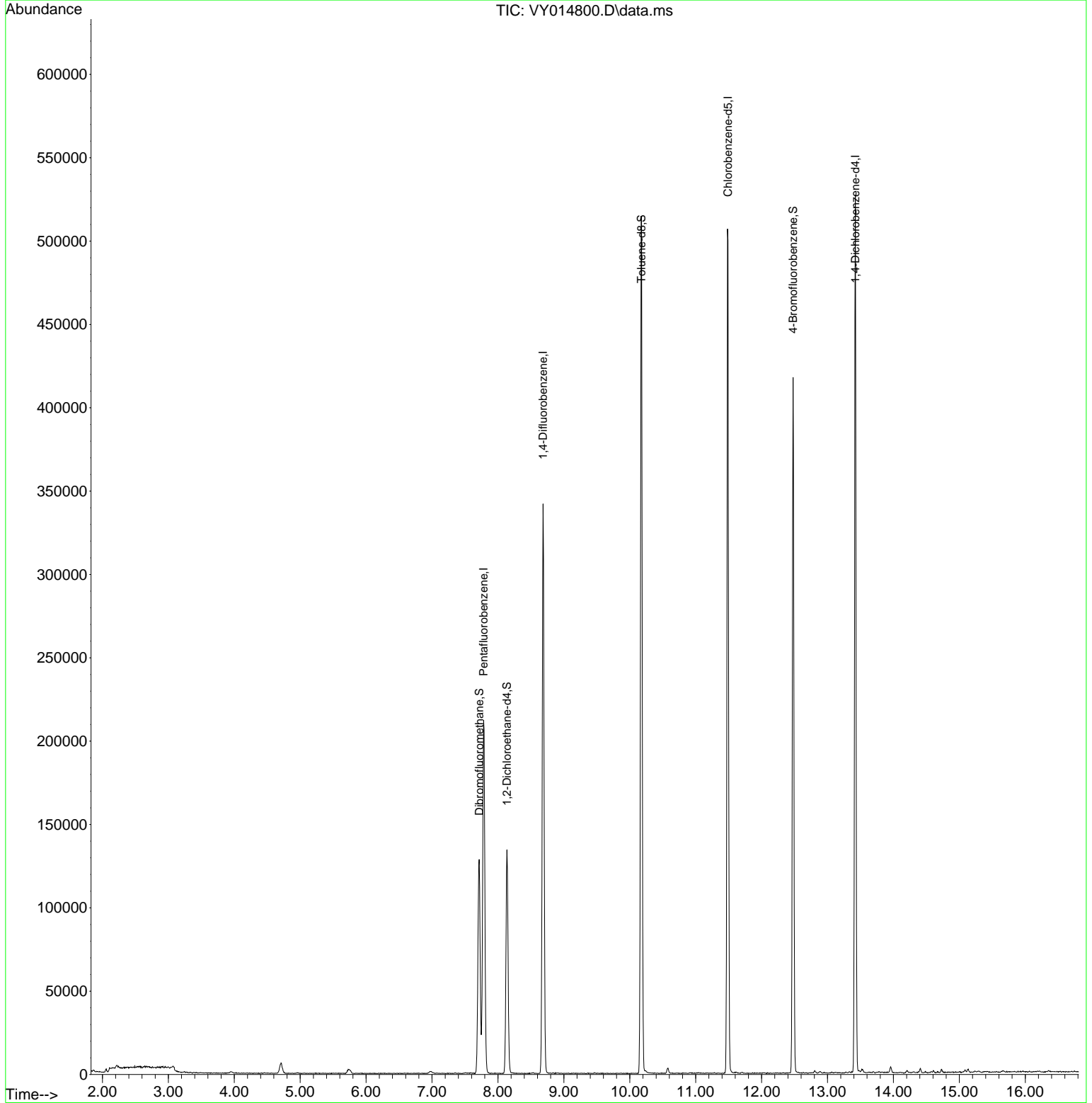
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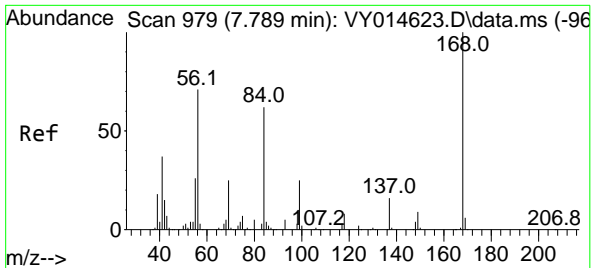
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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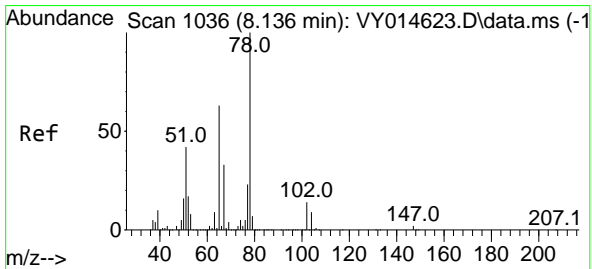
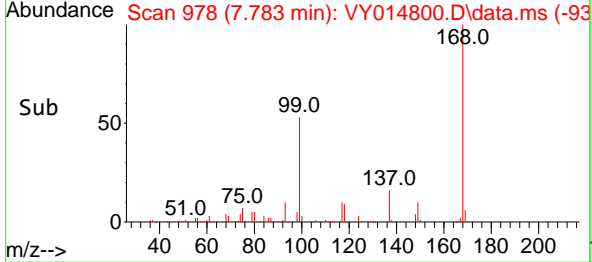
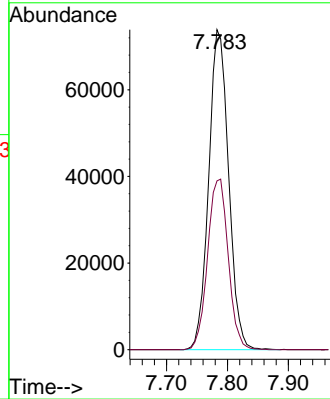
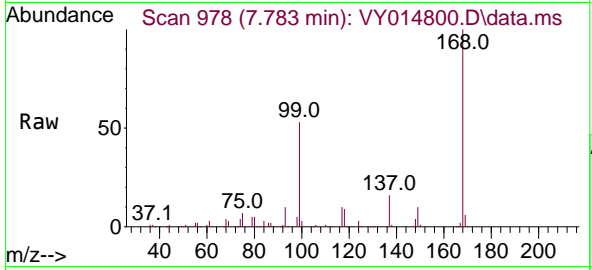




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.783 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VY014800.D  
 Acq: 25 Jul 2023 14:34

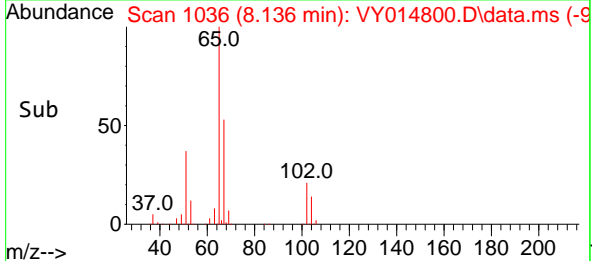
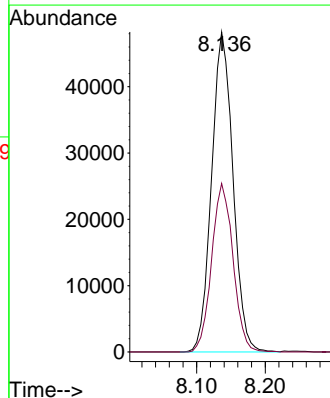
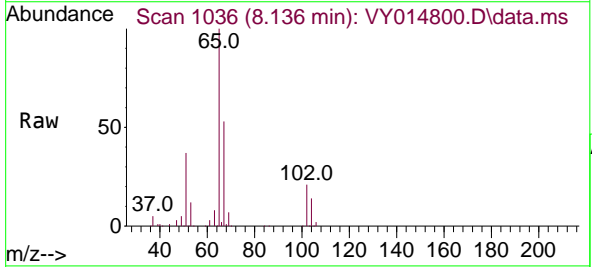
Instrument : MSVOA\_Y  
 ClientSampleId : RPTP-8-GRAB-16

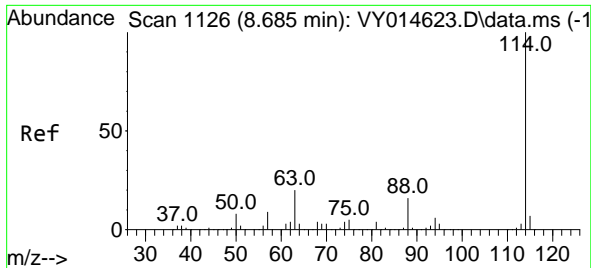
Tgt Ion:168 Resp: 167560  
 Ion Ratio Lower Upper  
 168 100  
 99 52.8 43.4 65.0



#33  
 1,2-Dichloroethane-d4  
 Concen: 54.691 ug/l  
 RT: 8.136 min Scan# 1036  
 Delta R.T. 0.000 min  
 Lab File: VY014800.D  
 Acq: 25 Jul 2023 14:34

Tgt Ion: 65 Resp: 104428  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 101.8



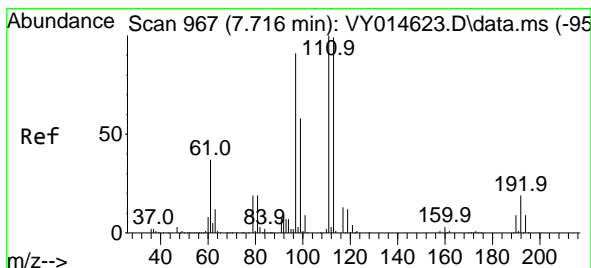
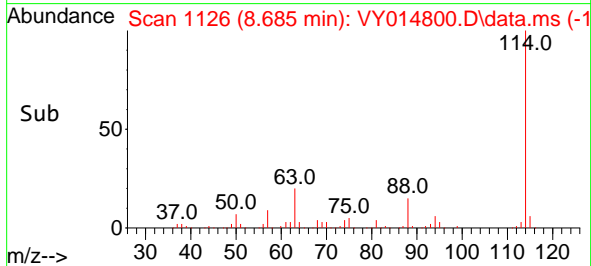
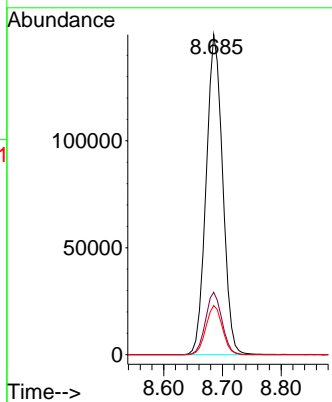
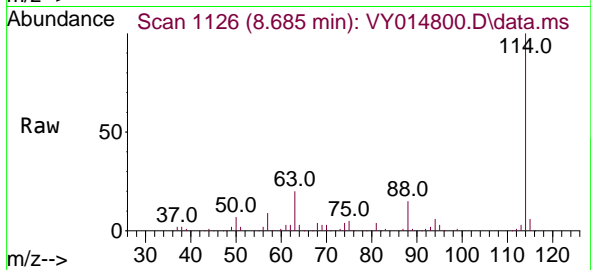


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.685 min Scan# 1126  
 Delta R.T. 0.000 min  
 Lab File: VY014800.D  
 Acq: 25 Jul 2023 14:34

Instrument : MSVOA\_Y  
 ClientSampleId : RPTP-8-GRAB-16

Tgt Ion:114 Resp: 291518

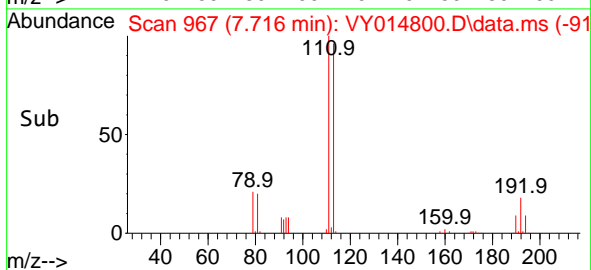
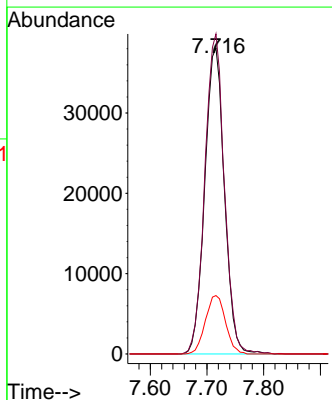
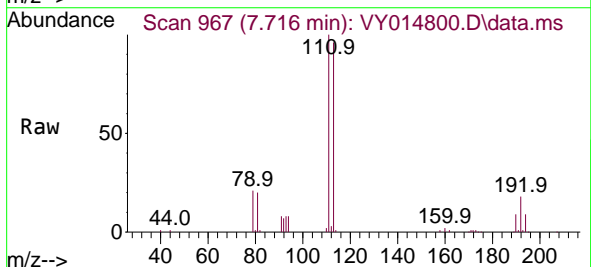
Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	42.4
88	15.4	0.0	30.6

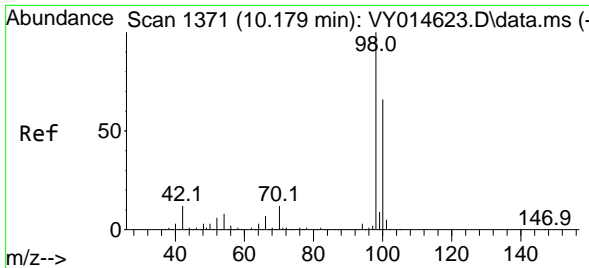


#35  
 Dibromofluoromethane  
 Concen: 49.420 ug/l  
 RT: 7.716 min Scan# 967  
 Delta R.T. -0.000 min  
 Lab File: VY014800.D  
 Acq: 25 Jul 2023 14:34

Tgt Ion:113 Resp: 91711

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.3	121.9
192	19.5	16.9	25.3

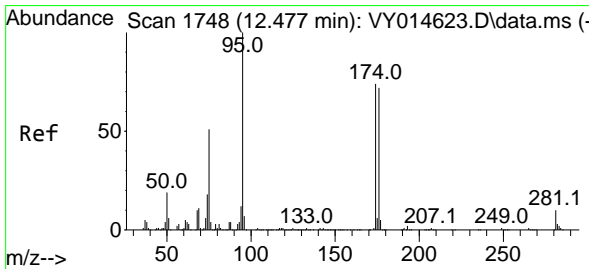
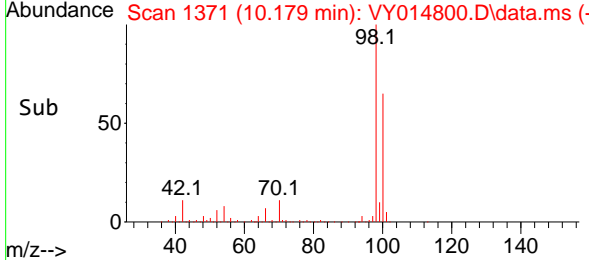
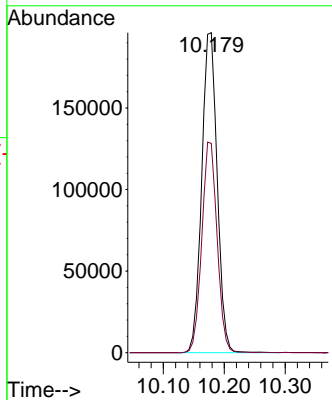
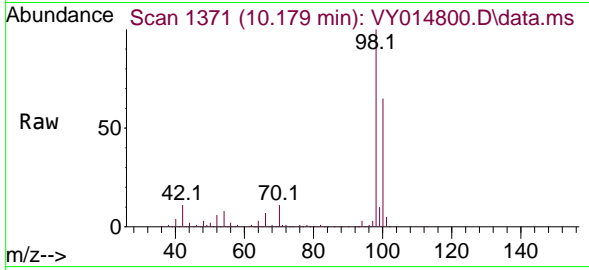




#50  
 Toluene-d8  
 Concen: 50.628 ug/l  
 RT: 10.179 min Scan# 1371  
 Delta R.T. -0.000 min  
 Lab File: VY014800.D  
 Acq: 25 Jul 2023 14:34

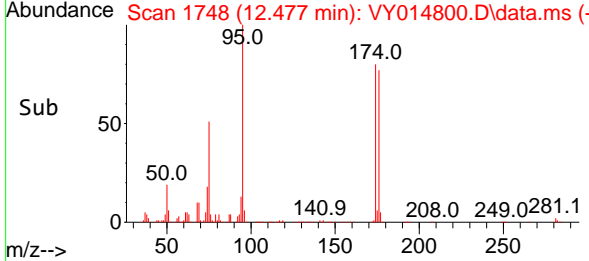
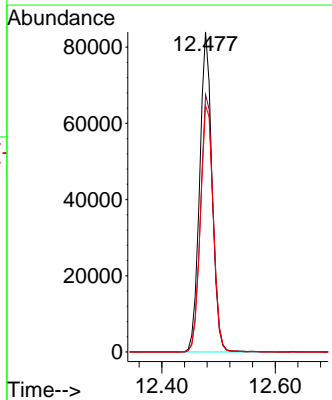
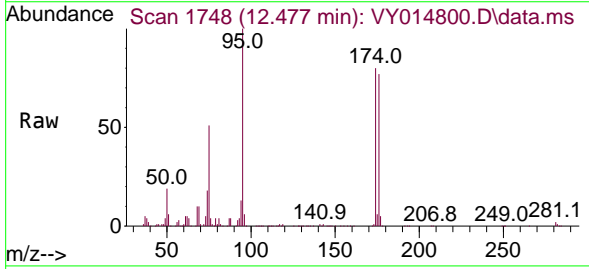
Instrument : MSVOA\_Y  
 ClientSampleId : RPTP-8-GRAB-16

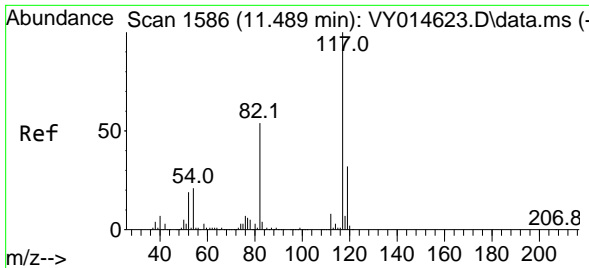
Tgt Ion: 98 Resp: 346381  
 Ion Ratio Lower Upper  
 98 100  
 100 65.1 50.1 75.1



#62  
 4-Bromofluorobenzene  
 Concen: 48.446 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. 0.000 min  
 Lab File: VY014800.D  
 Acq: 25 Jul 2023 14:34

Tgt Ion: 95 Resp: 127092  
 Ion Ratio Lower Upper  
 95 100  
 174 82.5 0.0 178.2  
 176 80.3 0.0 173.8



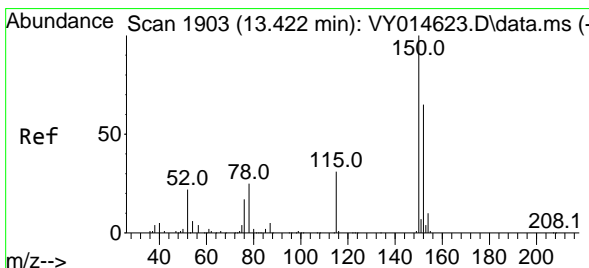
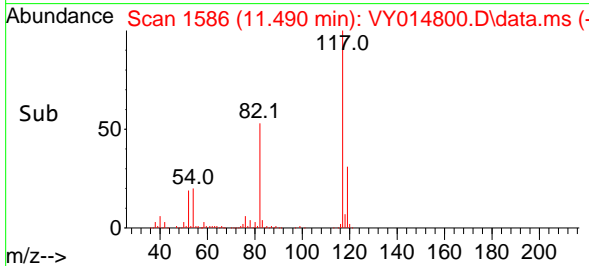
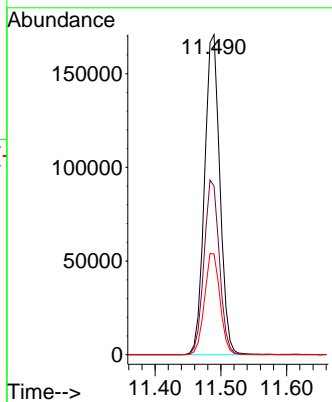
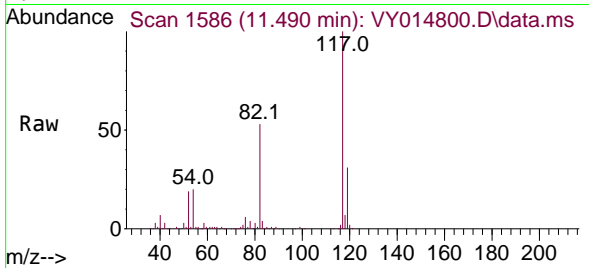


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.490 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VY014800.D  
 Acq: 25 Jul 2023 14:34

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RPTP-8-GRAB-16

Tgt Ion:117 Resp: 277613

Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.0
119	31.4	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: VY014800.D  
 Acq: 25 Jul 2023 14:34

Tgt Ion:152 Resp: 131011

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.8	86.5
150	156.0	0.0	348.8

