

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\  
 Data File : VF062612.D  
 Acq On : 15 May 2019 16:48  
 Operator : FY/SY  
 Sample : K2779-05RE  
 Misc : 8.54g/5mL/MSVOA F/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 RBR-200052RE

Quant Time: May 16 03:37:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 15 05:06:28 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	122804	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.78	114	151285	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.92	117	72296	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	15121	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	13523	14.58	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=		29.16%
35) Dibromofluoromethane	4.32	113	33381	29.65	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=		59.30%
50) Toluene-d8	7.72	98	95681	36.06	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=		72.12%
62) 4-Bromofluorobenzene	11.49	95	16312	17.60	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=		35.20%

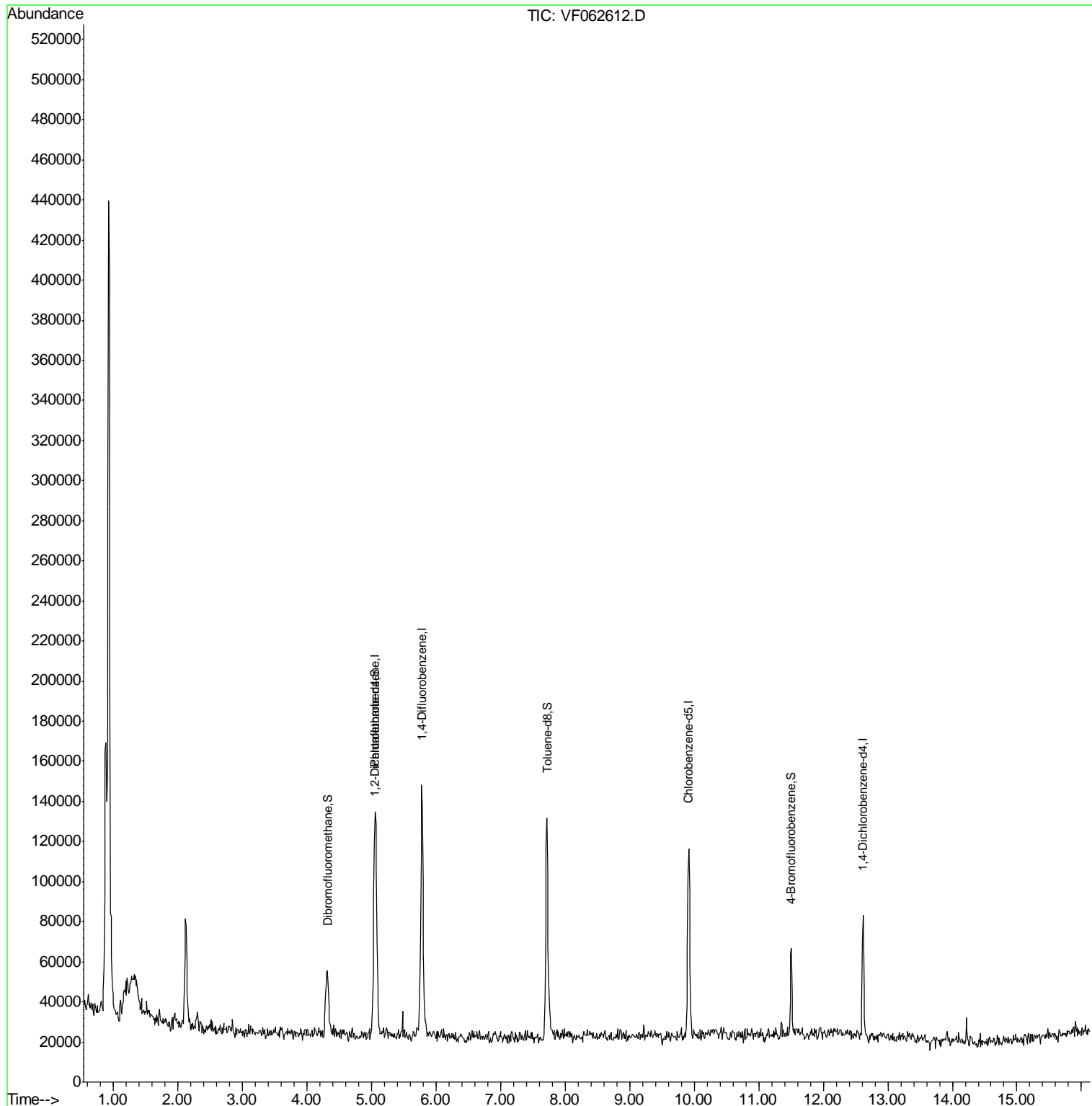
Target Compounds Qvalue

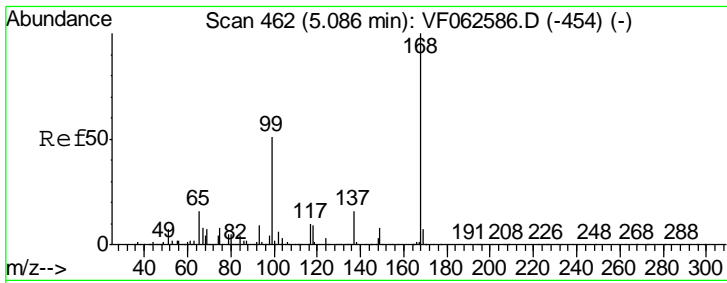
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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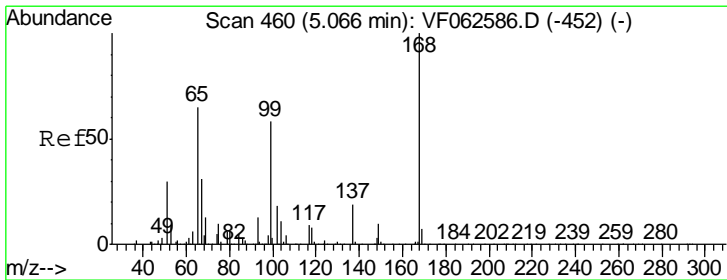
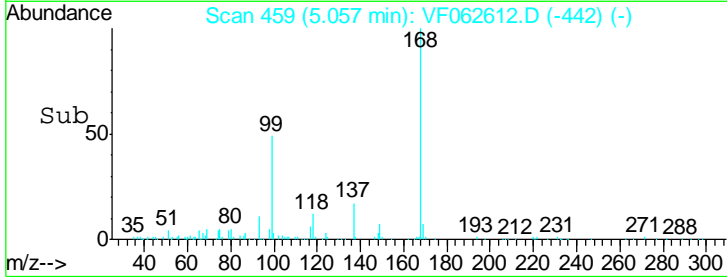
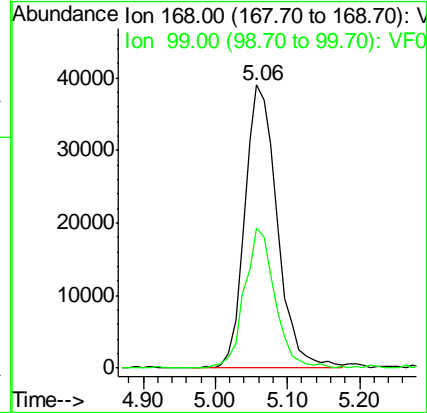
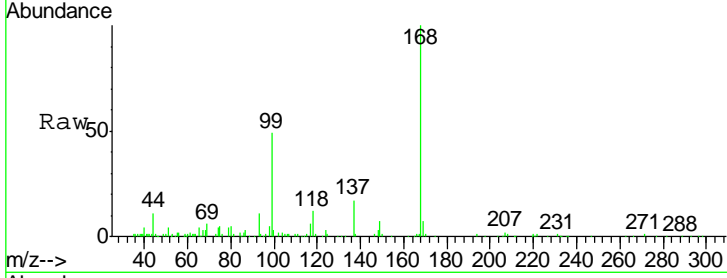




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.06 min Scan# 459  
 Delta R.T. -0.03 min  
 Lab File: VF062612.D  
 Acq: 15 May 2019 16:48

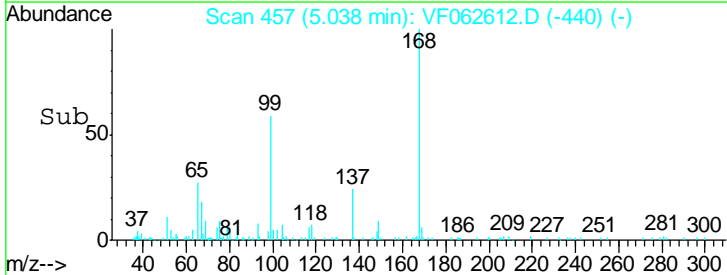
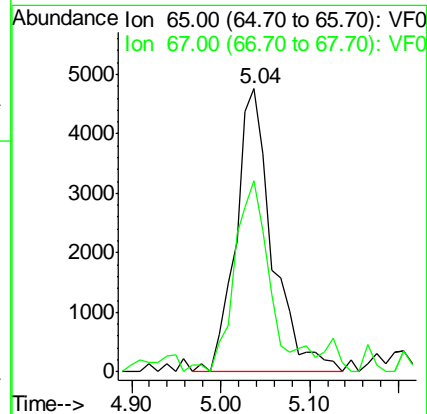
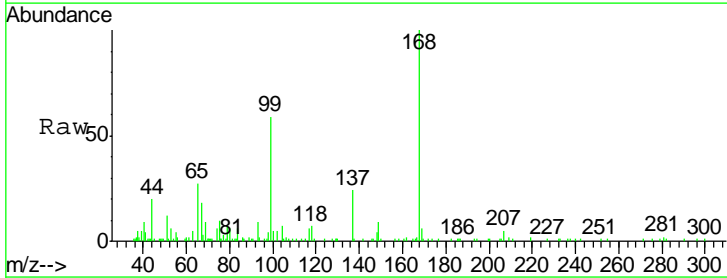
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 RBR-200052RE

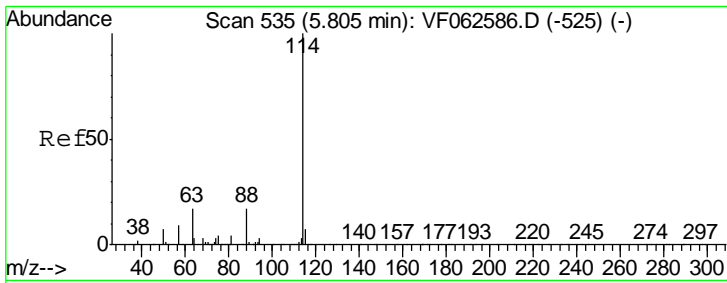
Tgt Ion	Resp	Lower	Upper
168	122804		
99	49.4	41.0	61.6



#33  
 1,2-Dichloroethane-d4  
 Concen: 14.577 ug/l  
 RT: 5.04 min Scan# 457  
 Delta R.T. -0.03 min  
 Lab File: VF062612.D  
 Acq: 15 May 2019 16:48

Tgt Ion	Resp	Lower	Upper
65	13523		
67	67.5	0.0	116.6

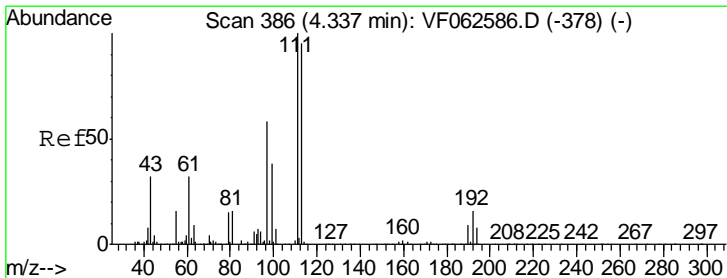
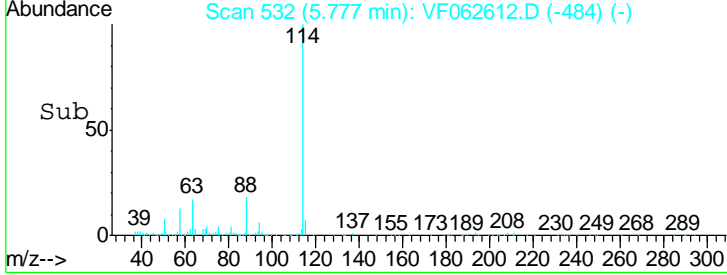
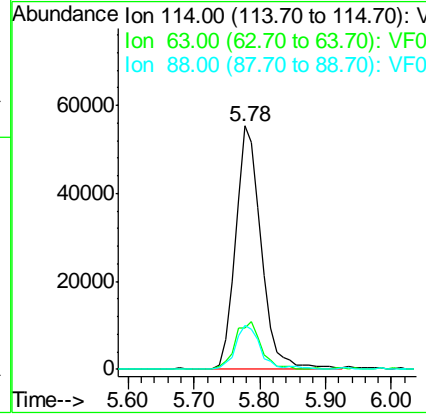
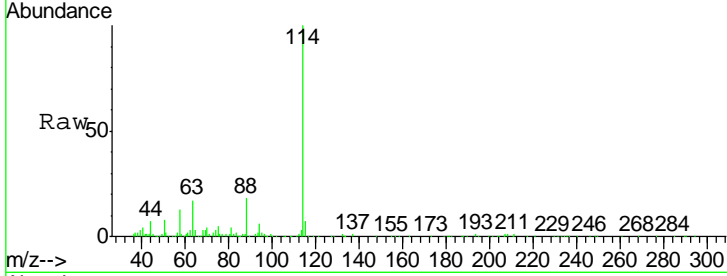




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.78 min Scan# 532  
 Delta R.T. -0.03 min  
 Lab File: VF062612.D  
 Acq: 15 May 2019 16:48

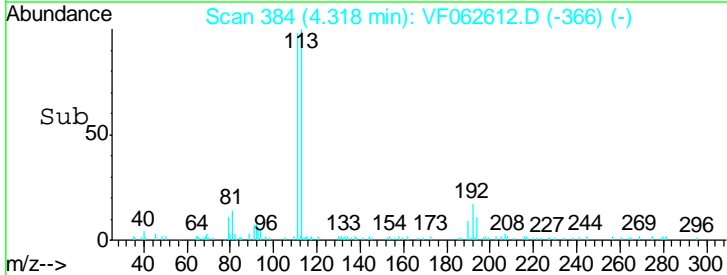
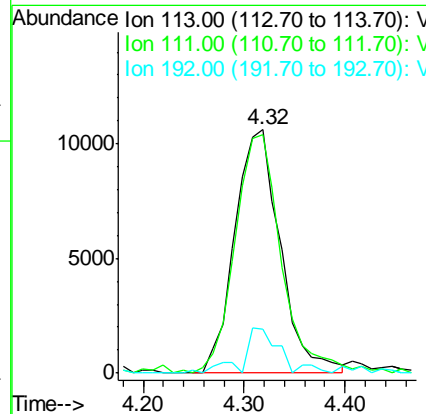
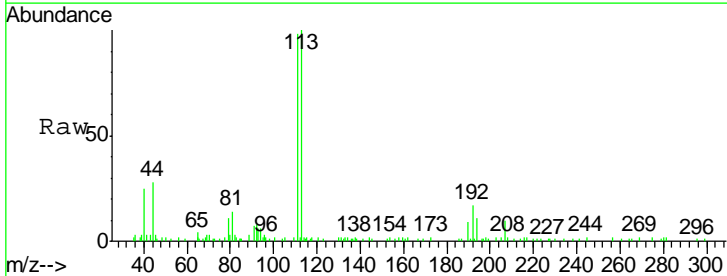
**Instrument :**  
 MSVOA\_F  
**ClientSampled :**  
 RBR-200052RE

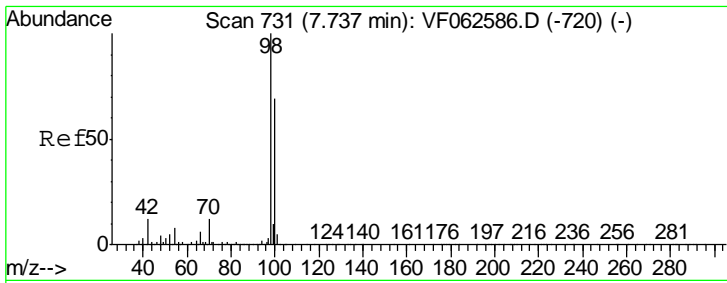
Tgt Ion	Resp	Lower	Upper
114	151285		
63	17.1	0.0	34.6
88	17.9	0.0	33.6



#35  
 Dibromofluoromethane  
 Concen: 29.646 ug/l  
 RT: 4.32 min Scan# 384  
 Delta R.T. -0.02 min  
 Lab File: VF062612.D  
 Acq: 15 May 2019 16:48

Tgt Ion	Resp	Lower	Upper
113	33381		
111	98.1	83.9	125.9
192	17.8	13.7	20.5

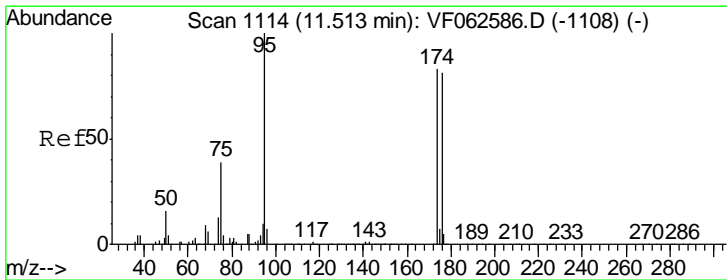
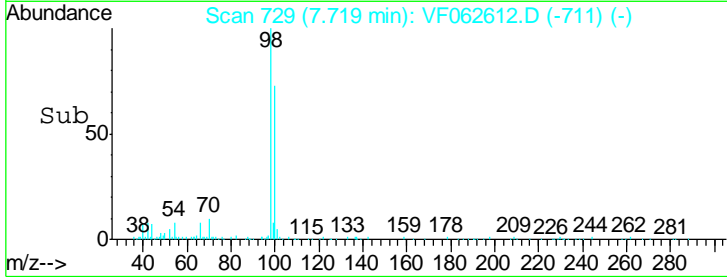
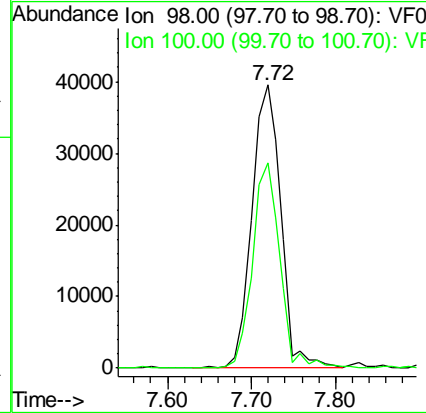
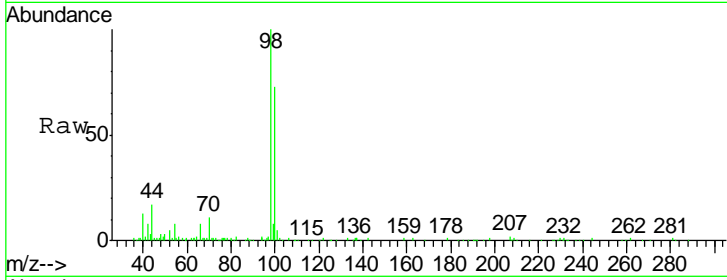




#50  
 Toluene-d8  
 Concen: 36.061 ug/l  
 RT: 7.72 min Scan# 729  
 Delta R.T. -0.02 min  
 Lab File: VF062612.D  
 Acq: 15 May 2019 16:48

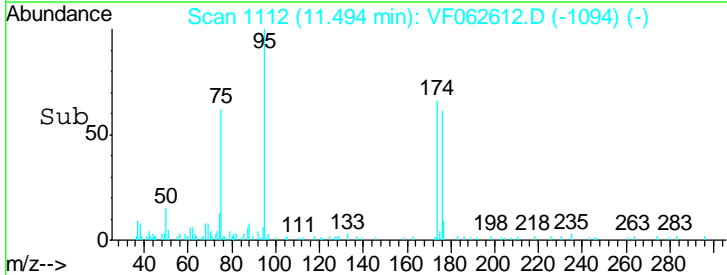
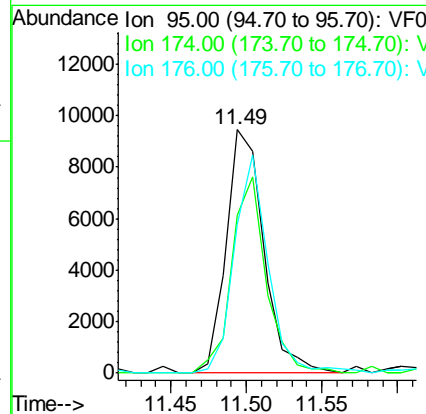
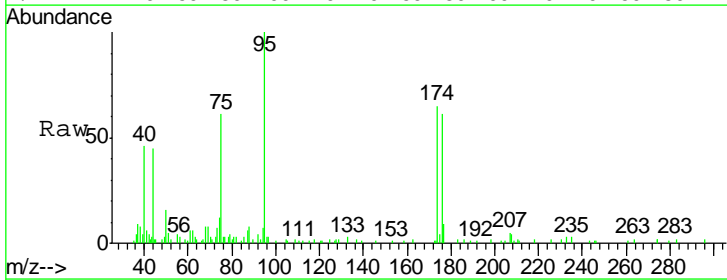
Instrument :  
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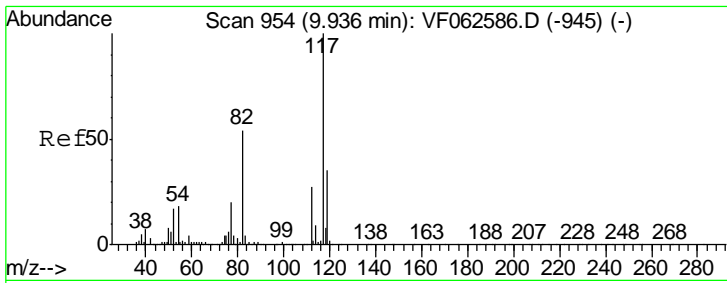
Tgt Ion: 98 Resp: 95681  
 Ion Ratio Lower Upper  
 98 100  
 100 72.7 55.4 83.0



#62  
 4-Bromofluorobenzene  
 Concen: 17.604 ug/l  
 RT: 11.49 min Scan# 1112  
 Delta R.T. -0.02 min  
 Lab File: VF062612.D  
 Acq: 15 May 2019 16:48

Tgt Ion: 95 Resp: 16312  
 Ion Ratio Lower Upper  
 95 100  
 174 64.7 0.0 166.6  
 176 61.2 0.0 161.8

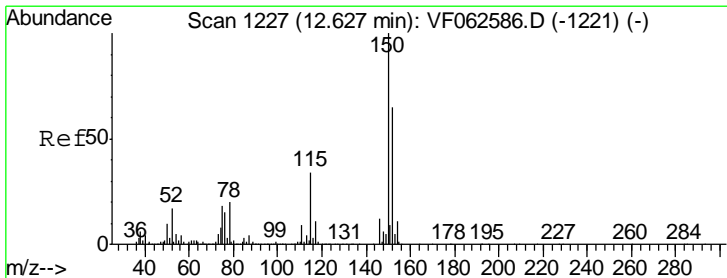
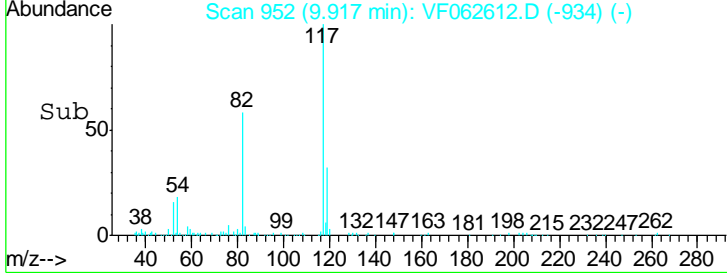
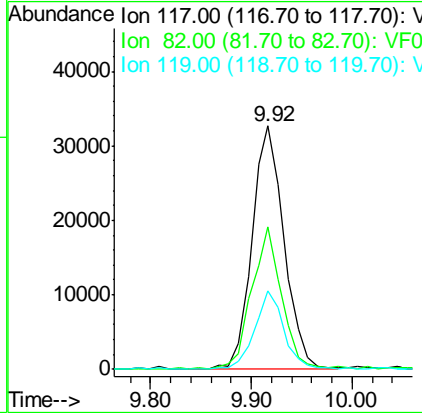
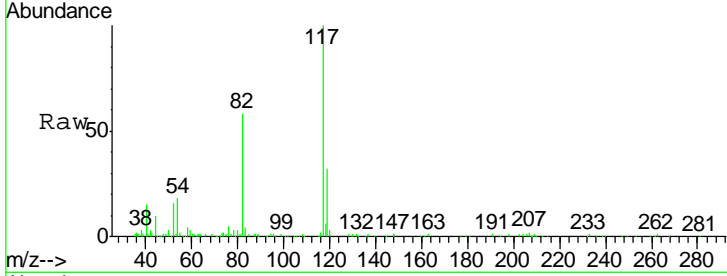




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.92 min Scan# 952  
 Delta R.T. -0.02 min  
 Lab File: VF062612.D  
 Acq: 15 May 2019 16:48

**Instrument :**  
 MSVOA\_F  
**ClientSampled :**  
 RBR-200052RE

Tgt Ion	Resp	Lower	Upper
117	72296		
82	58.4	43.4	65.0
119	32.3	27.7	41.5



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.62 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: VF062612.D  
 Acq: 15 May 2019 16:48

Tgt Ion	Resp	Lower	Upper
152	15121		
115	53.5	26.2	78.6
150	157.5	0.0	316.0

