

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021921\  
 Data File : VD068402.D  
 Acq On : 19 Feb 2021 16:05  
 Operator : VA/SY  
 Sample : M1452-09  
 Misc : 5.61G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-3

Quant Time: Feb 19 23:31:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 12 13:30:51 2021  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.985	168	377157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	729504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	678530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	287910	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	231535	60.05	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.10%
35) Dibromofluoromethane	7.920	113	229223	52.94	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.88%
50) Toluene-d8	10.343	98	925383	51.56	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.12%
62) 4-Bromofluorobenzene	12.632	95	288716	49.39	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.78%

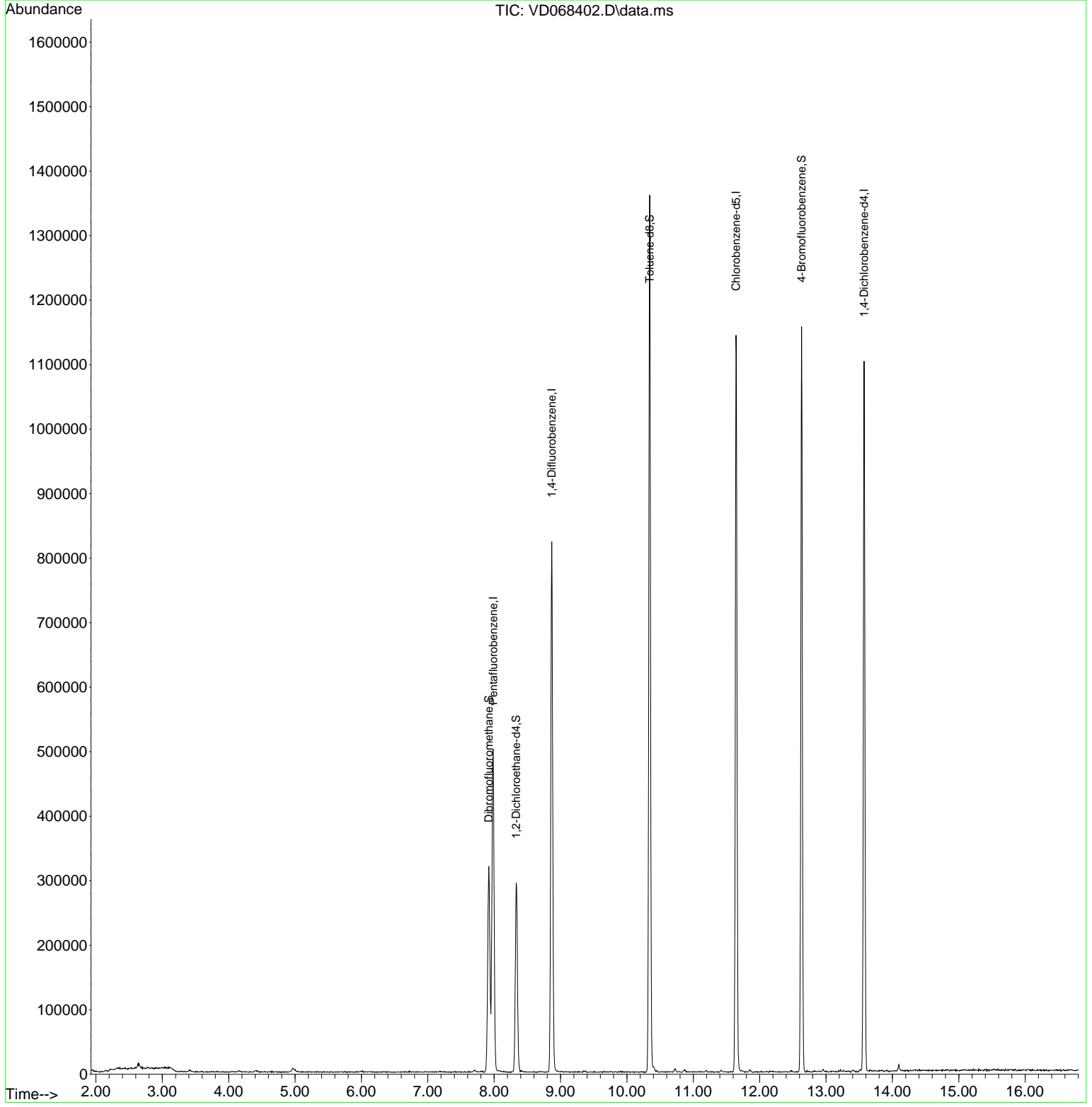
Target Compounds Qvalue

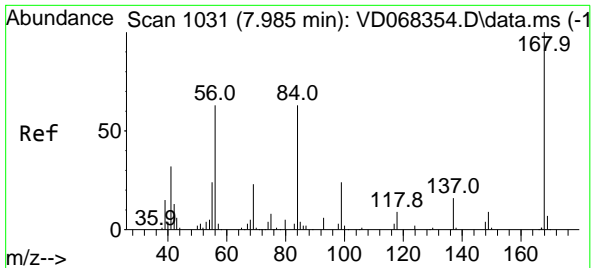
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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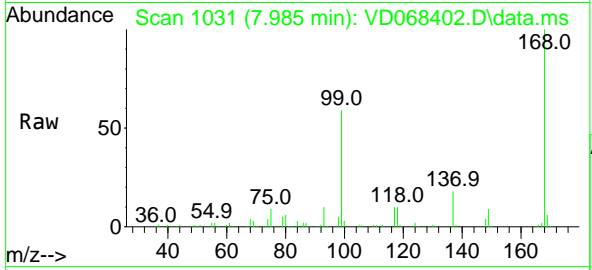
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021221S.M  
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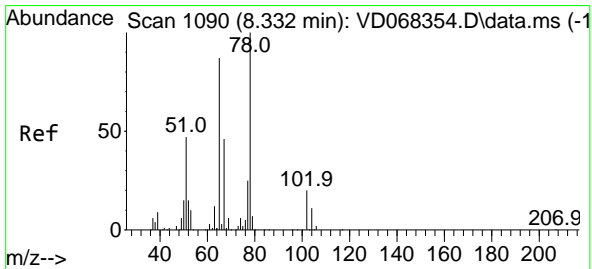
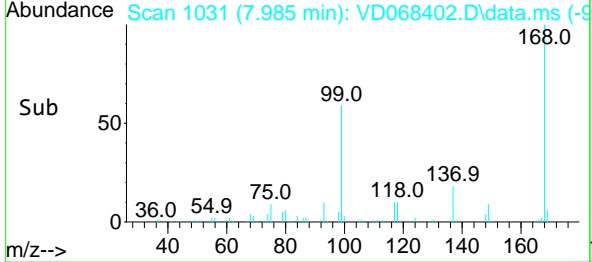
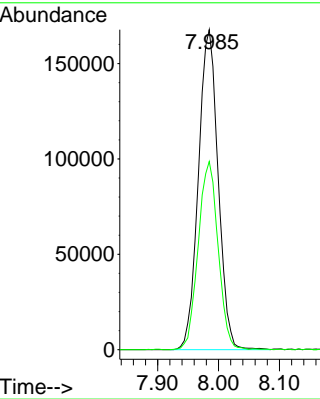


#1  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.985 min Scan# 1031  
 Delta R.T. -0.000 min  
 Lab File: VD068402.D  
 Acq: 19 Feb 2021 16:05

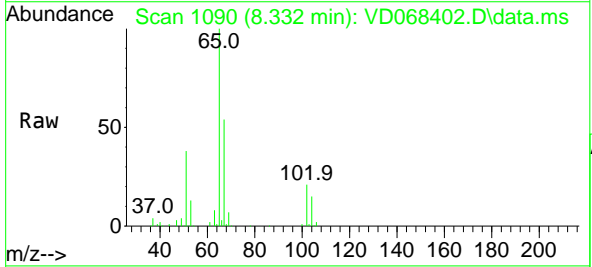
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 TP-3



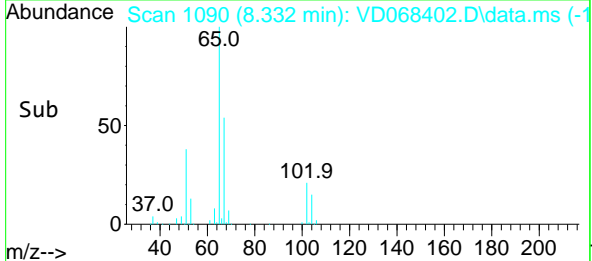
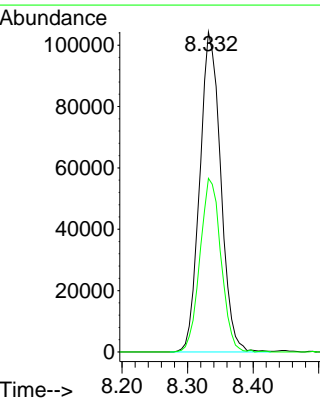
Tgt Ion:168 Resp: 377157  
 Ion Ratio Lower Upper  
 168 100  
 99 58.8 43.5 65.3

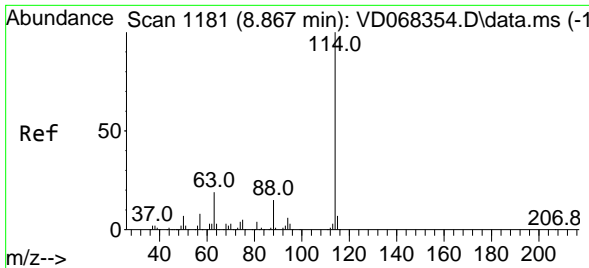


#33  
 1,2-Dichloroethane-d4  
 Concen: 60.05 ug/l  
 RT: 8.332 min Scan# 1090  
 Delta R.T. -0.000 min  
 Lab File: VD068402.D  
 Acq: 19 Feb 2021 16:05



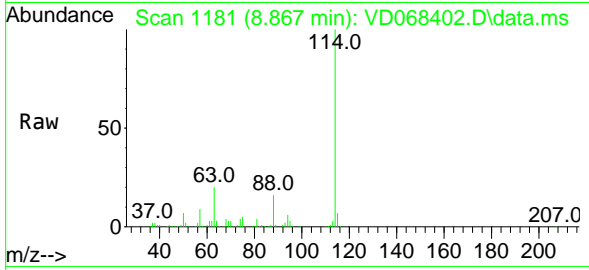
Tgt Ion: 65 Resp: 231535  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 105.0





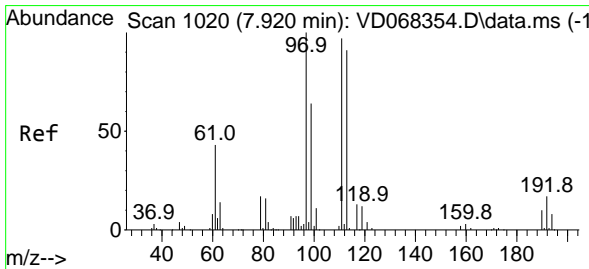
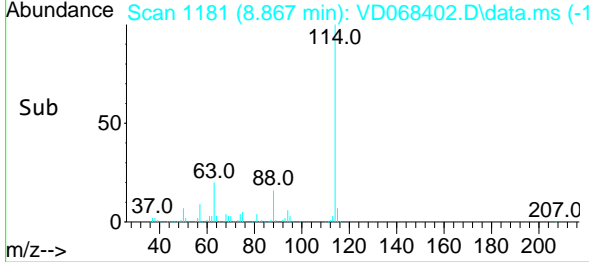
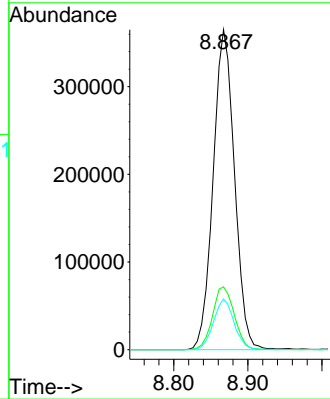
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.867 min Scan# 1181  
 Delta R.T. 0.000 min  
 Lab File: VD068402.D  
 Acq: 19 Feb 2021 16:05

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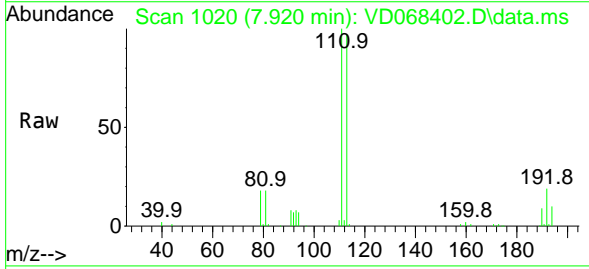


Tgt Ion:114 Resp: 729504

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	34.8
88	15.8	0.0	31.6

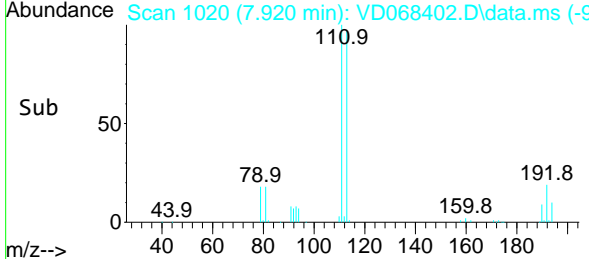
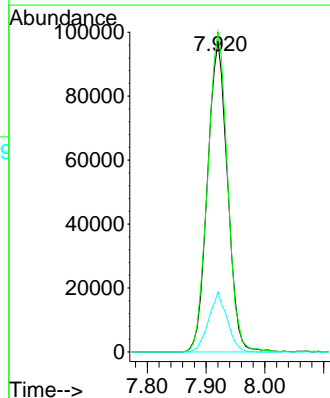


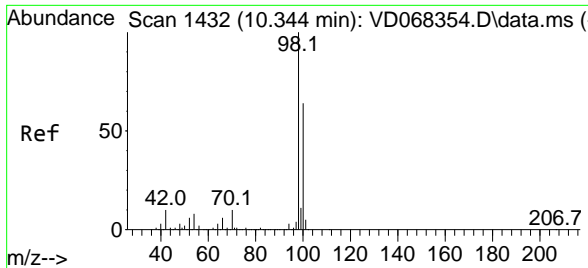
#35  
 Dibromofluoromethane  
 Concen: 52.94 ug/l  
 RT: 7.920 min Scan# 1020  
 Delta R.T. -0.000 min  
 Lab File: VD068402.D  
 Acq: 19 Feb 2021 16:05



Tgt Ion:113 Resp: 229223

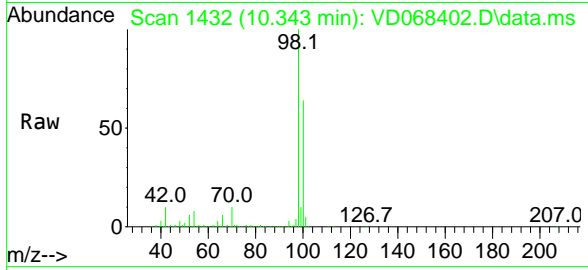
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.0
192	17.7	16.1	24.1



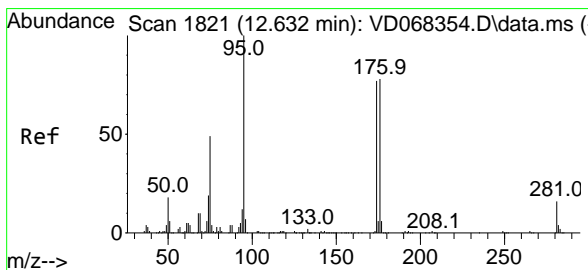
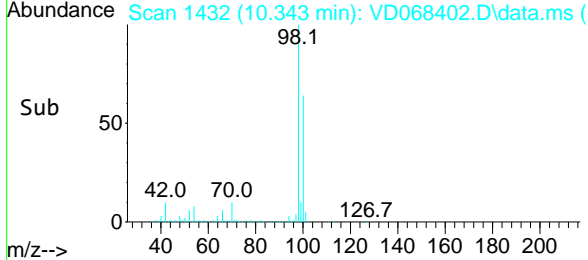
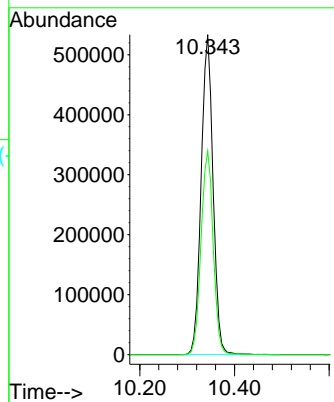


#50  
 Toluene-d8  
 Concen: 51.56 ug/l  
 RT: 10.343 min Scan# 1432  
 Delta R.T. -0.000 min  
 Lab File: VD068402.D  
 Acq: 19 Feb 2021 16:05

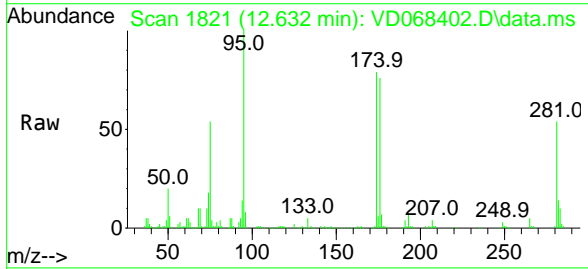
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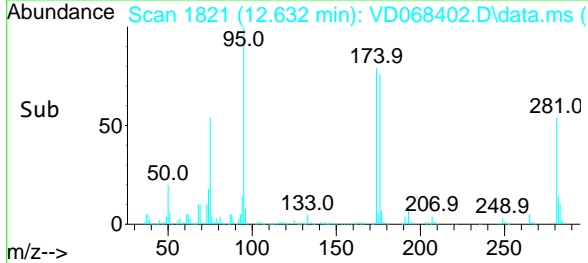
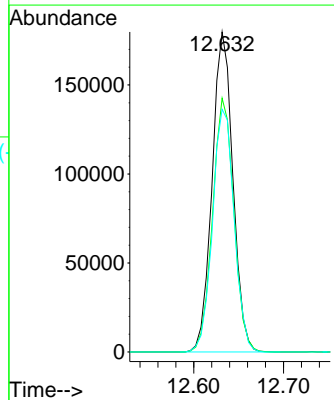
Tgt Ion: 98 Resp: 925383  
 Ion Ratio Lower Upper  
 98 100  
 100 65.5 53.0 79.4

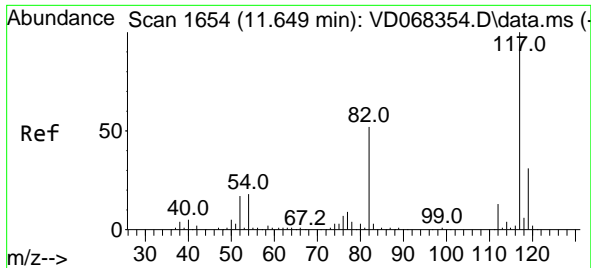


#62  
 4-Bromofluorobenzene  
 Concen: 49.39 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. -0.000 min  
 Lab File: VD068402.D  
 Acq: 19 Feb 2021 16:05



Tgt Ion: 95 Resp: 288716  
 Ion Ratio Lower Upper  
 95 100  
 174 81.2 0.0 172.4  
 176 78.9 0.0 168.4



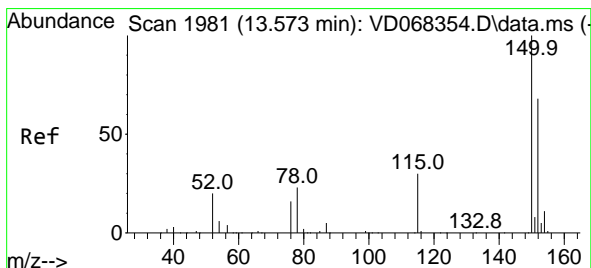
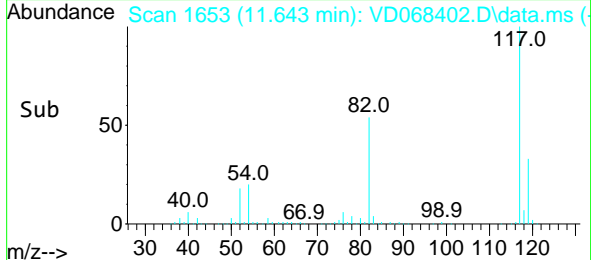
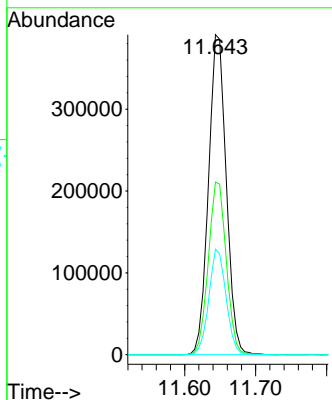
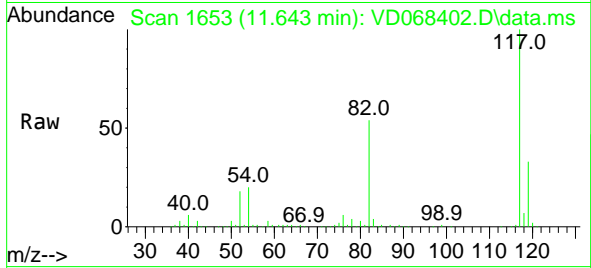


#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 11.643 min Scan# 1653  
 Delta R.T. -0.006 min  
 Lab File: VD068402.D  
 Acq: 19 Feb 2021 16:05

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 TP-3

Tgt Ion:117 Resp: 678530

Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.4	62.0
119	33.0	26.1	39.1



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.573 min Scan# 1981  
 Delta R.T. -0.000 min  
 Lab File: VD068402.D  
 Acq: 19 Feb 2021 16:05

Tgt Ion:152 Resp: 287910

Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.9	86.8
150	157.2	0.0	344.4

