

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD013122\  
 Data File : VD071857.D  
 Acq On : 31 Jan 2022 20:45  
 Operator : VA/SY  
 Sample : VIBLK  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_D  
**ClientSampleId :**  
 VIBLK

Quant Time: Feb 01 04:06:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012622S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 27 06:04:38 2022  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	444339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	817009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	767213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	334513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	270858	48.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.460%
35) Dibromofluoromethane	7.914	113	255425	47.561	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.120%
50) Toluene-d8	10.338	98	1042789	51.992	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.980%
62) 4-Bromofluorobenzene	12.626	95	344400	49.171	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.340%

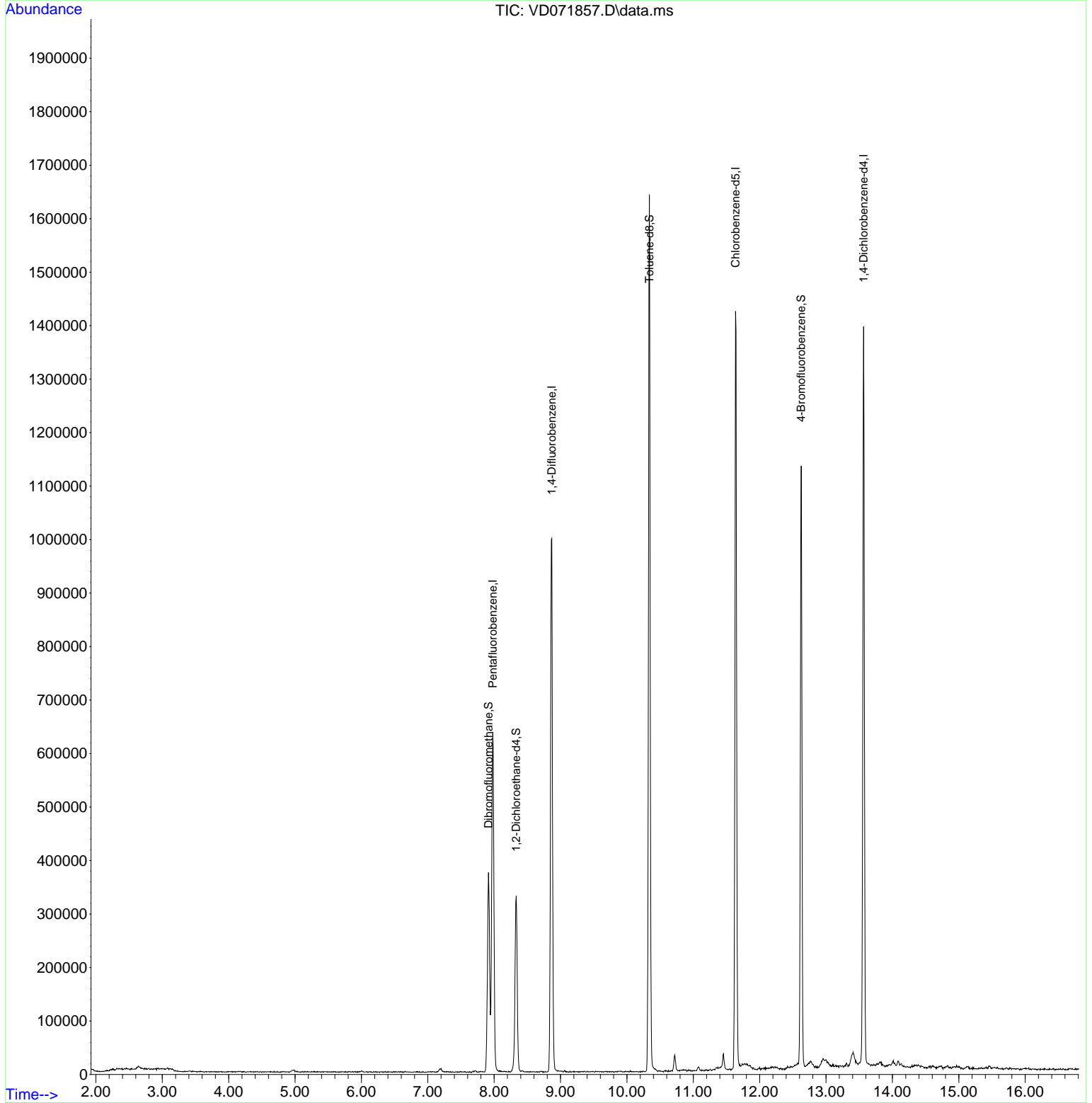
Target Compounds Qvalue

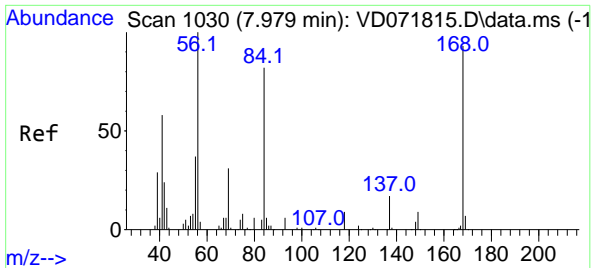
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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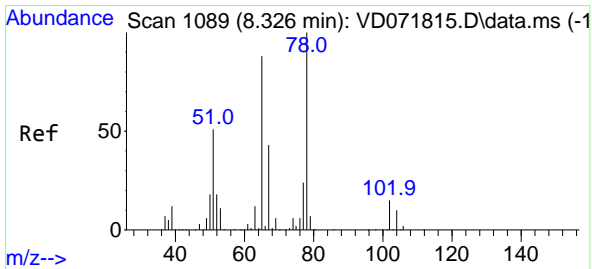
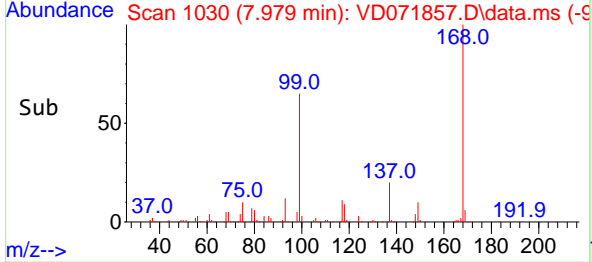
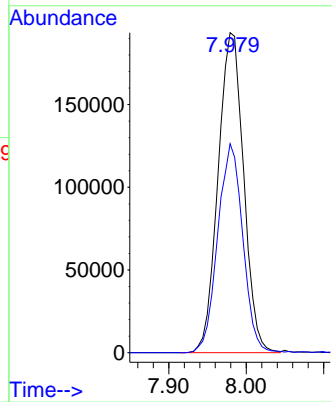
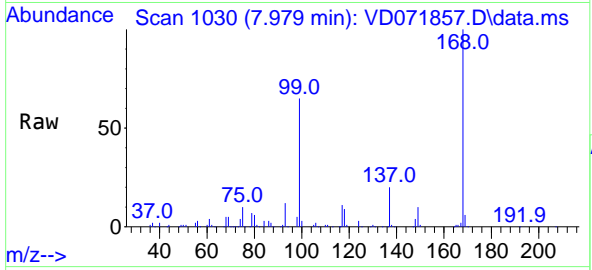




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.979 min Scan# 1030  
 Delta R.T. 0.000 min  
 Lab File: VD071857.D  
 Acq: 31 Jan 2022 20:45

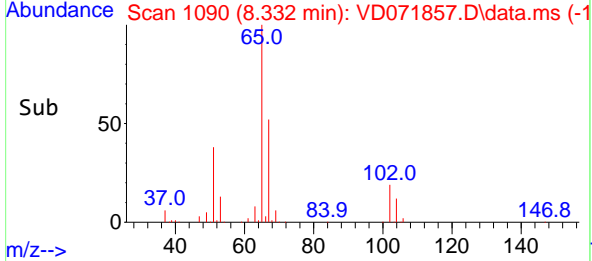
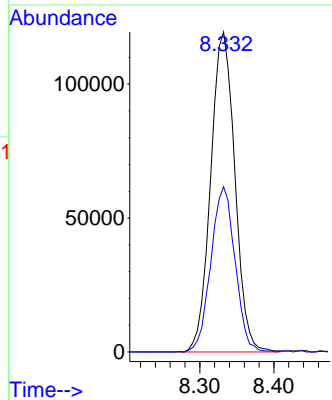
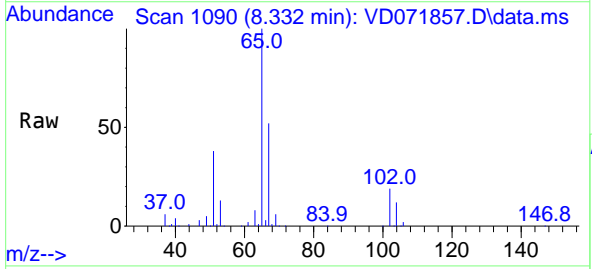
Instrument : MSVOA\_D  
 ClientSampleId : VIBLK

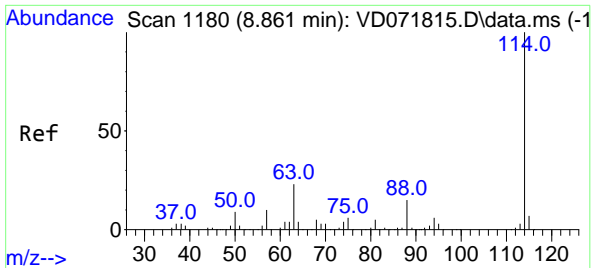
Tgt Ion:168 Resp: 444339  
 Ion Ratio Lower Upper  
 168 100  
 99 65.3 49.8 74.6



#33  
 1,2-Dichloroethane-d4  
 Concen: 48.228 ug/l  
 RT: 8.332 min Scan# 1090  
 Delta R.T. 0.006 min  
 Lab File: VD071857.D  
 Acq: 31 Jan 2022 20:45

Tgt Ion: 65 Resp: 270858  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 101.4



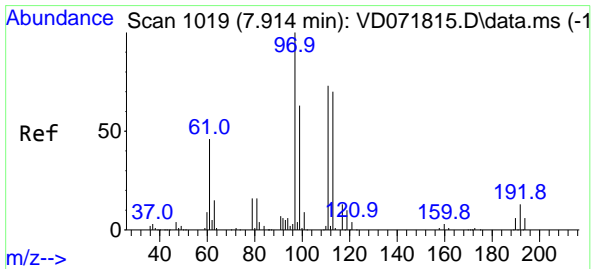
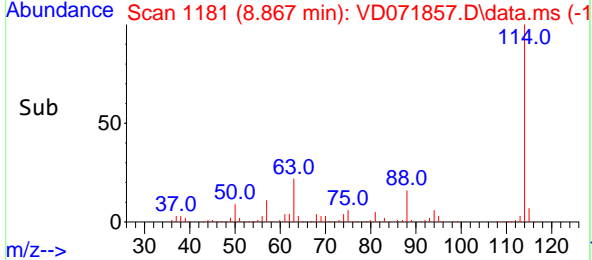
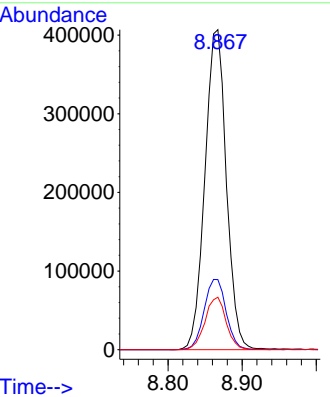
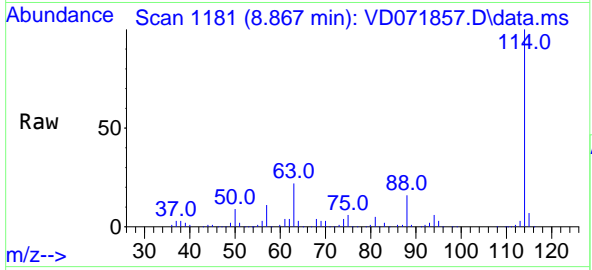


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.867 min Scan# 1181  
 Delta R.T. 0.006 min  
 Lab File: VD071857.D  
 Acq: 31 Jan 2022 20:45

Instrument : MSVOA\_D  
 ClientSampleId : VIBLK

Tgt Ion:114 Resp: 817009

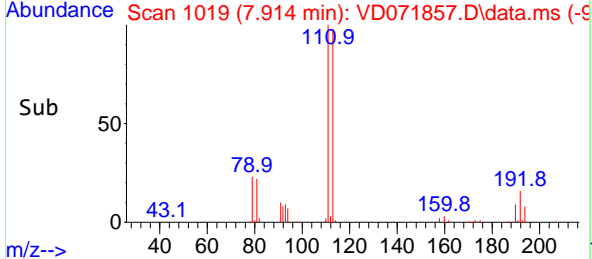
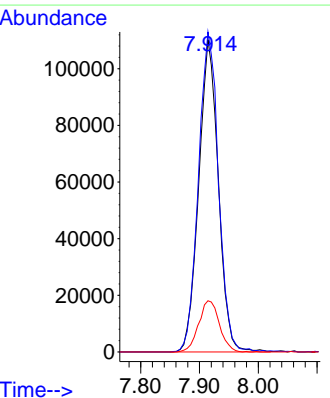
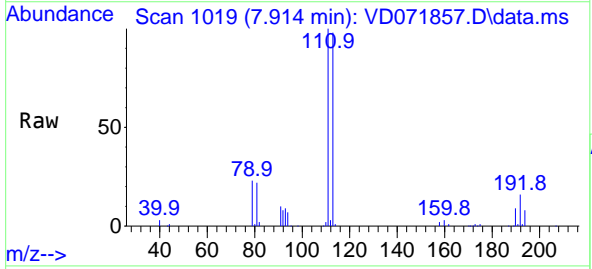
Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	46.6
88	16.4	0.0	33.2

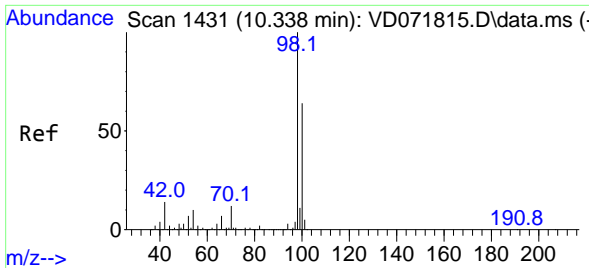


#35  
 Dibromofluoromethane  
 Concen: 47.561 ug/l  
 RT: 7.914 min Scan# 1019  
 Delta R.T. -0.000 min  
 Lab File: VD071857.D  
 Acq: 31 Jan 2022 20:45

Tgt Ion:113 Resp: 255425

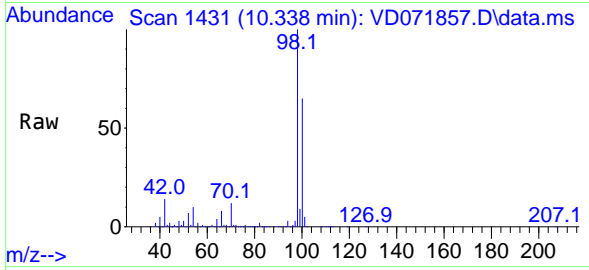
Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.8	125.6
192	17.4	14.6	21.8



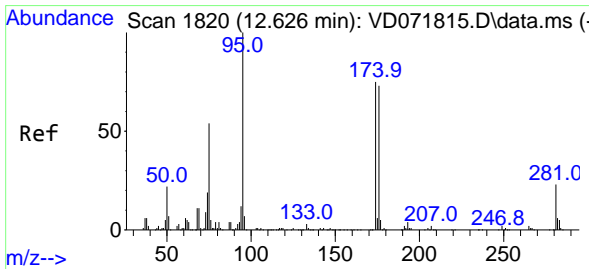
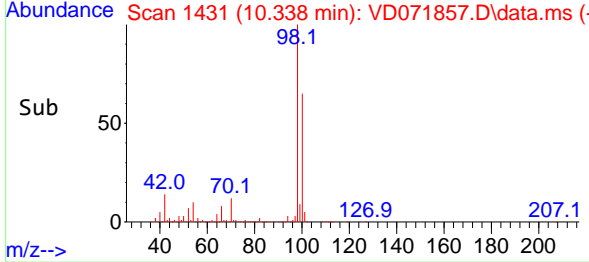
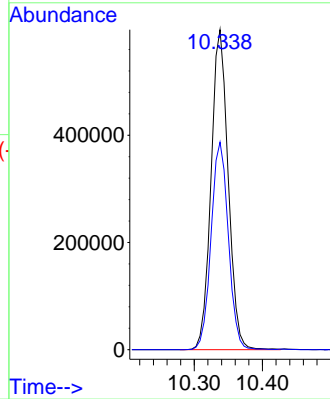


#50  
 Toluene-d8  
 Concen: 51.992 ug/l  
 RT: 10.338 min Scan# 1431  
 Delta R.T. -0.000 min  
 Lab File: VD071857.D  
 Acq: 31 Jan 2022 20:45

Instrument : MSVOA\_D  
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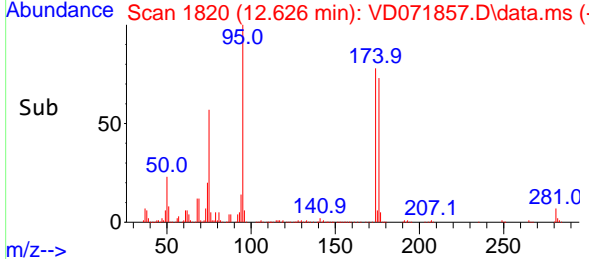
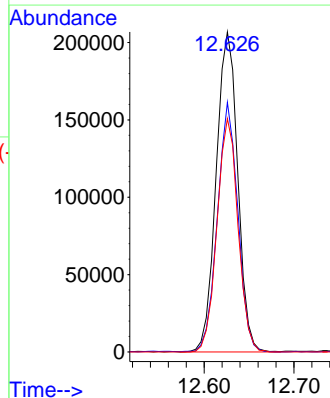
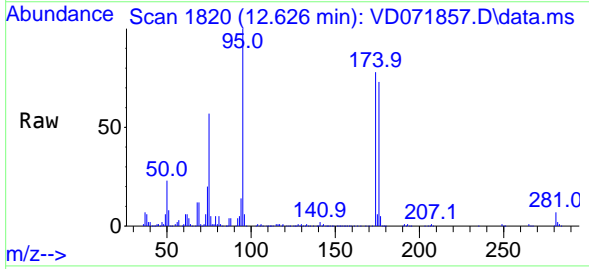


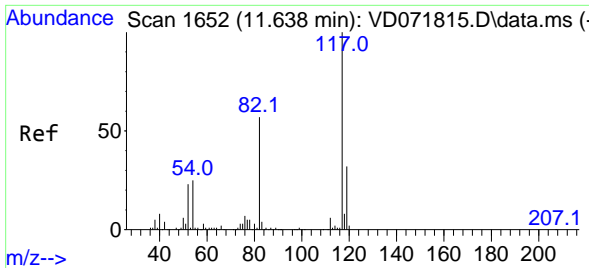
Tgt Ion: 98 Resp: 1042789  
 Ion Ratio Lower Upper  
 98 100  
 100 65.5 52.4 78.6



#62  
 4-Bromofluorobenzene  
 Concen: 49.171 ug/l  
 RT: 12.626 min Scan# 1820  
 Delta R.T. -0.000 min  
 Lab File: VD071857.D  
 Acq: 31 Jan 2022 20:45

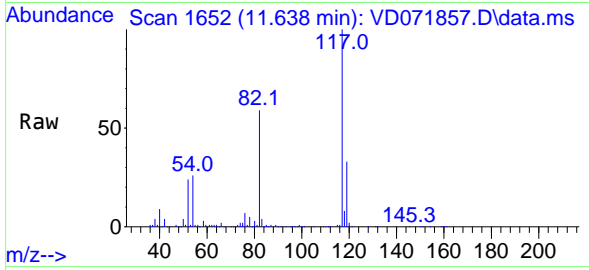
Tgt Ion: 95 Resp: 344400  
 Ion Ratio Lower Upper  
 95 100  
 174 74.3 0.0 152.8  
 176 71.0 0.0 145.4



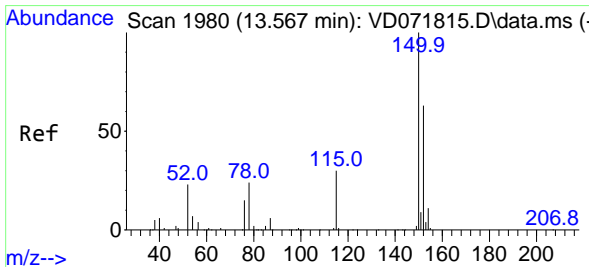
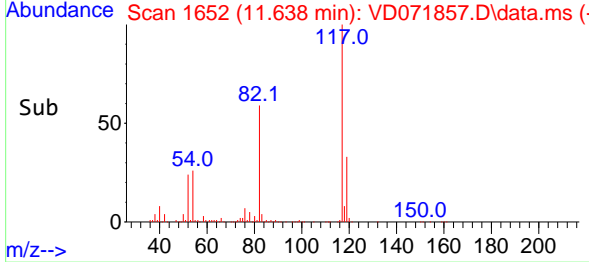
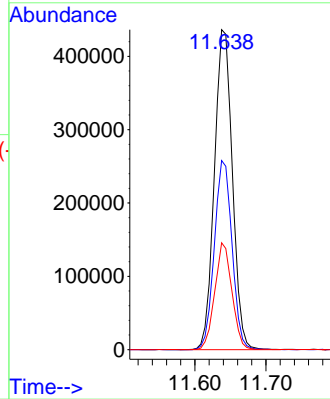


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.638 min Scan# 1170  
 Delta R.T. -0.000 min  
 Lab File: VD071857.D  
 Acq: 31 Jan 2022 20:45

Instrument : MSVOA\_D  
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Tgt Ion:117 Resp: 767213  
 Ion Ratio Lower Upper  
 117 100  
 82 59.1 45.3 67.9  
 119 33.4 26.6 40.0



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. -0.000 min  
 Lab File: VD071857.D  
 Acq: 31 Jan 2022 20:45

Tgt Ion:152 Resp: 334513  
 Ion Ratio Lower Upper  
 152 100  
 115 61.5 31.3 93.8  
 150 158.7 0.0 348.6

