

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021122\
 Data File : VD071933.D
 Acq On : 11 Feb 2022 12:34
 Operator : VA/SY
 Sample : N1487-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 251488

Quant Time: Feb 11 23:56:50 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	7.973	168	10312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	17583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	17441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	6526	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	9482	72.749	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	145.500%
35) Dibromofluoromethane	7.908	113	5894	50.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.000%
50) Toluene-d8	10.332	98	21788	50.477	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.960%
62) 4-Bromofluorobenzene	12.620	95	7040	46.704	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.400%

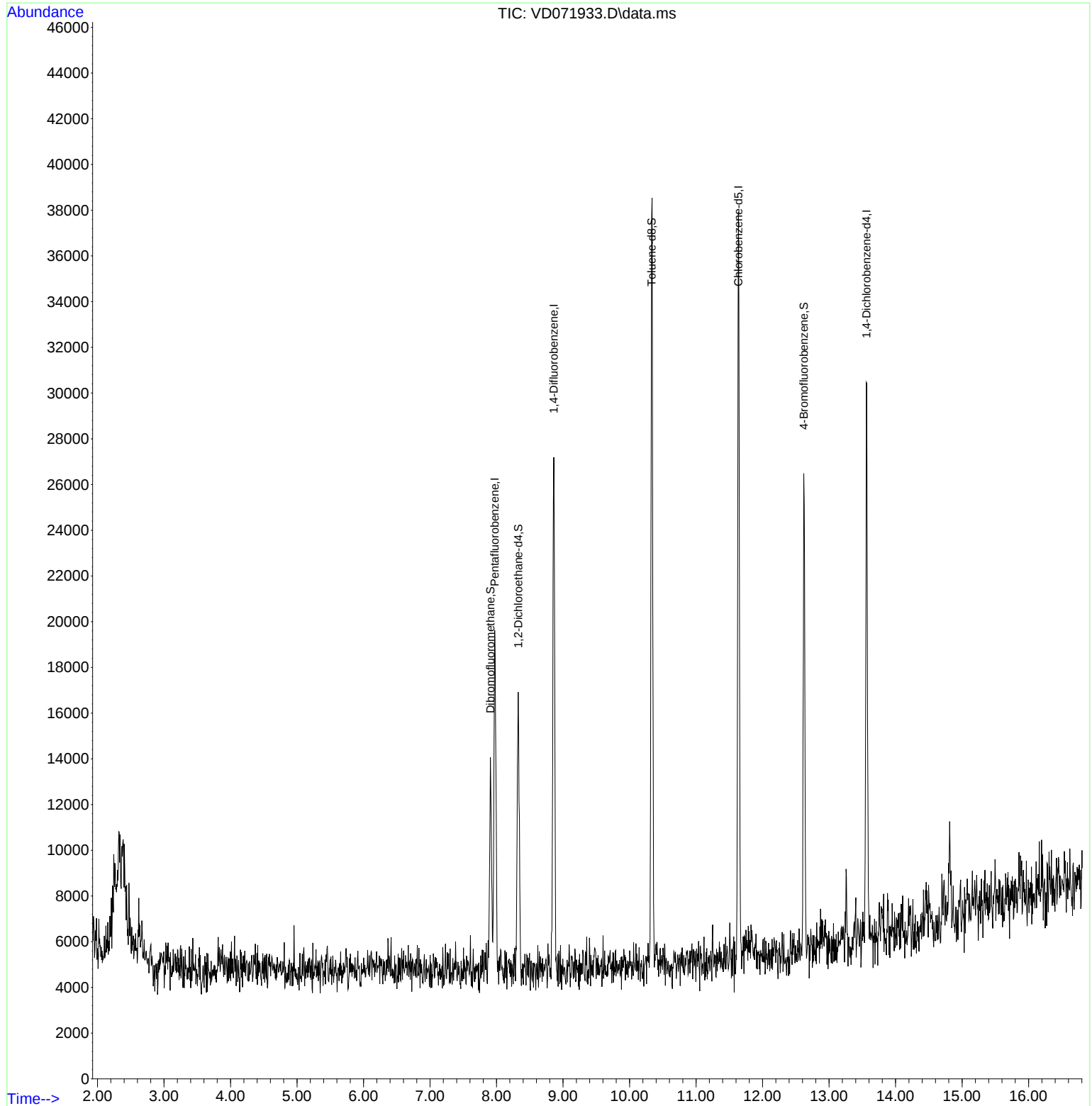
Target Compounds	Qvalue

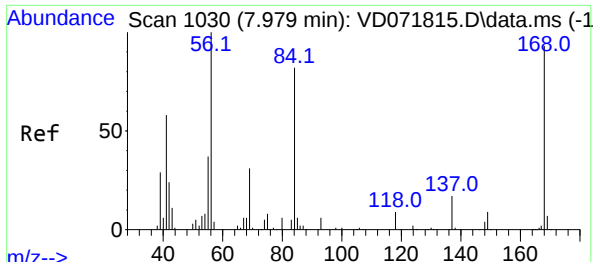
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD071933.D

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Instrument :

MSVOA_D

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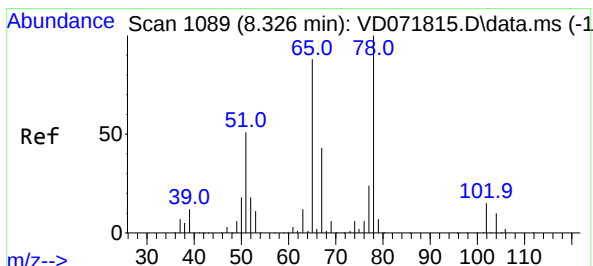
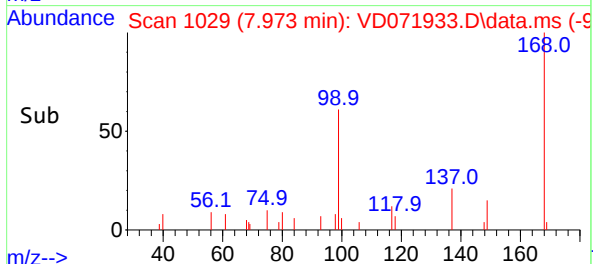
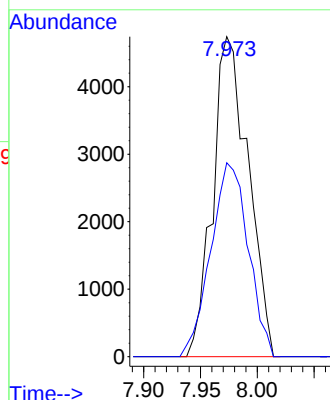
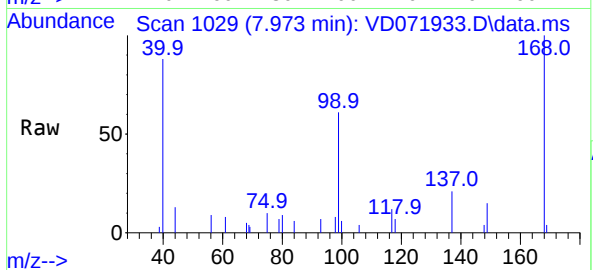
251488

Tgt Ion:168 Resp: 10312

Ion Ratio Lower Upper

168 100

99 60.6 49.8 74.6



1,2-Dichloroethane-d4

Concen: 72.749 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071933.D

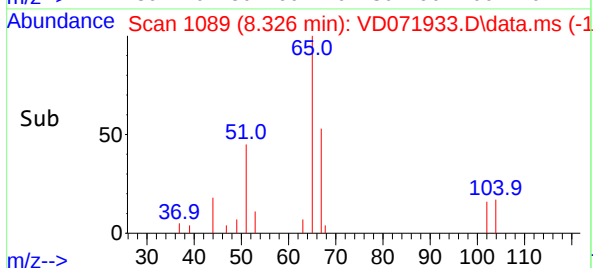
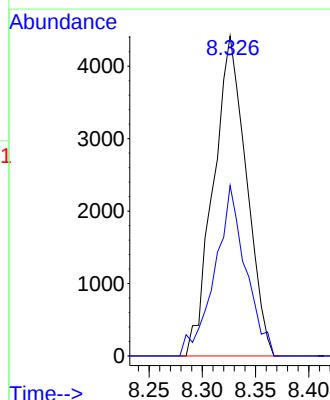
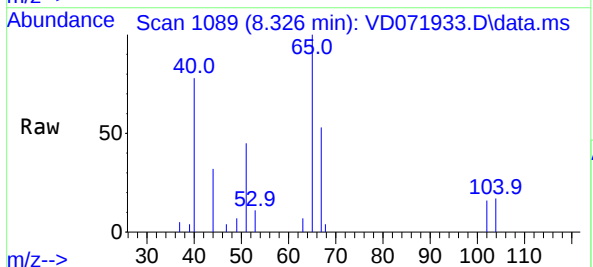
Acq: 11 Feb 2022 12:34

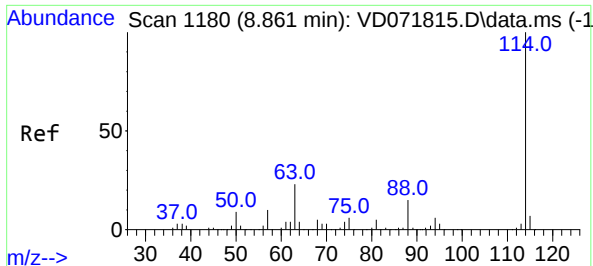
Tgt Ion: 65 Resp: 9482

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD071933.D

Acq: 11 Feb 2022 12:34

Instrument :

MSVOA_D

ClientSampleId :

251488

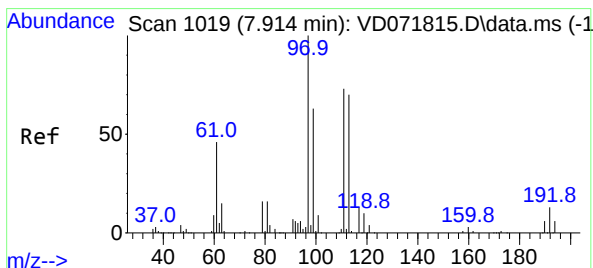
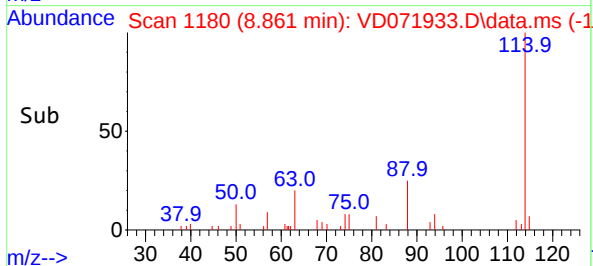
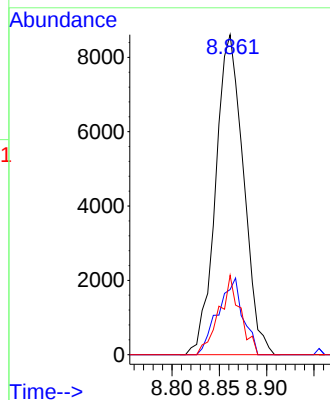
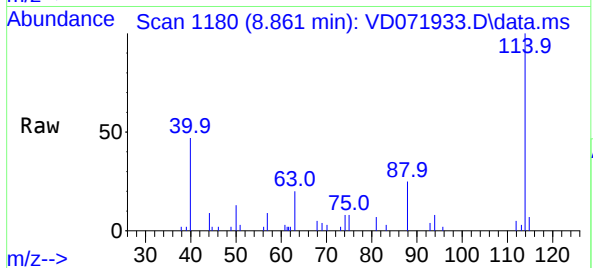
Tgt Ion:114 Resp: 17583

Ion Ratio Lower Upper

114 100

63 20.3 0.0 46.6

88 24.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.996 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071933.D

Acq: 11 Feb 2022 12:34

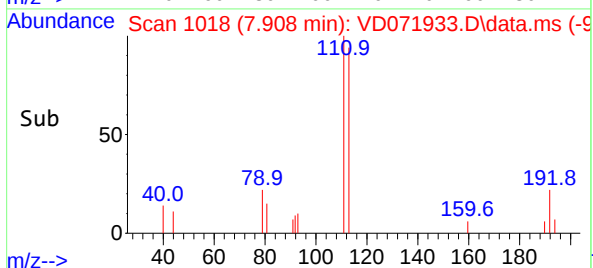
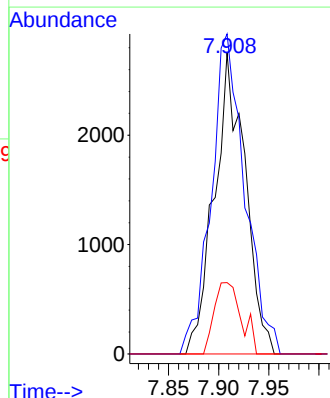
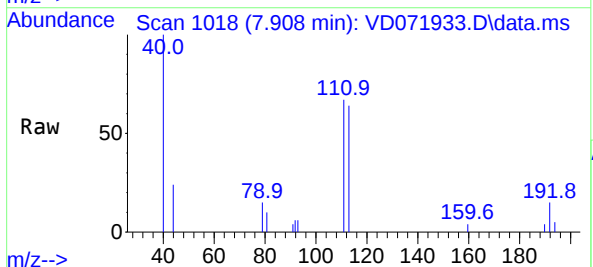
Tgt Ion:113 Resp: 5894

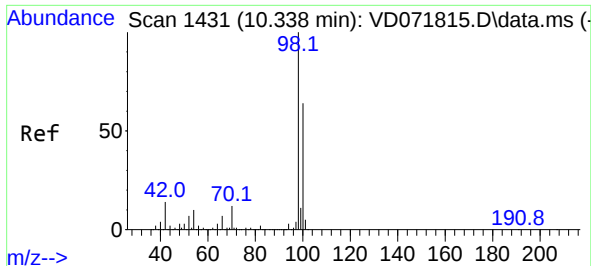
Ion Ratio Lower Upper

113 100

111 115.9 83.8 125.6

192 20.7 14.6 21.8

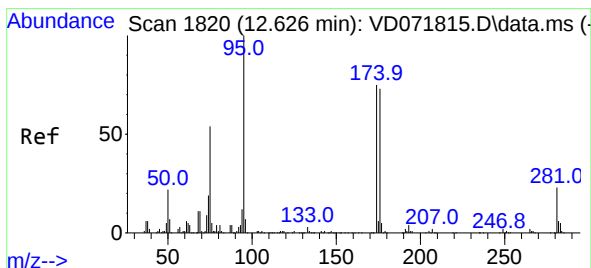
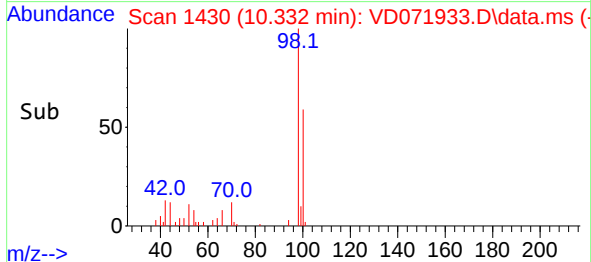
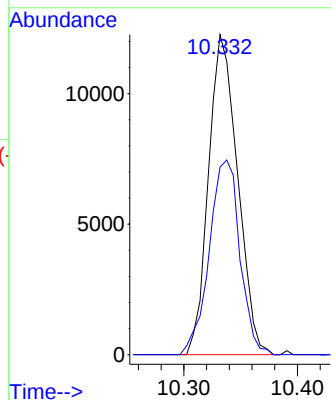
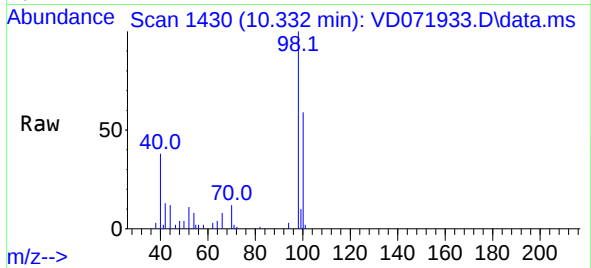




#50
Toluene-d8
Concen: 50.477 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

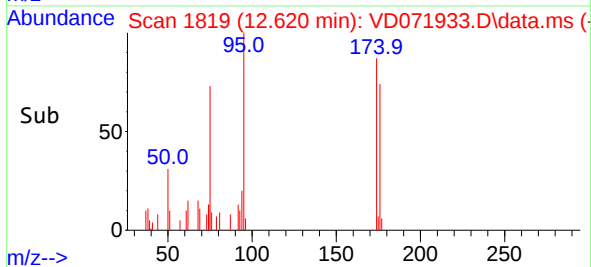
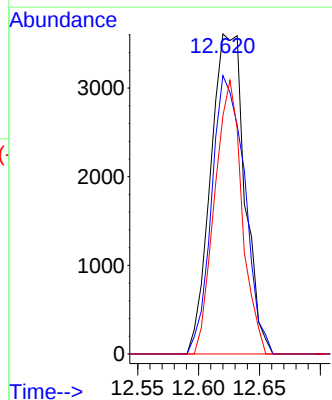
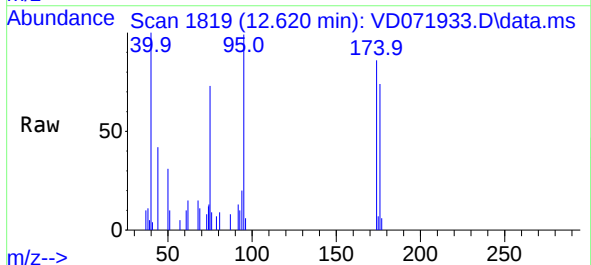
Instrument :
MSVOA_D
ClientSampleId :
251488

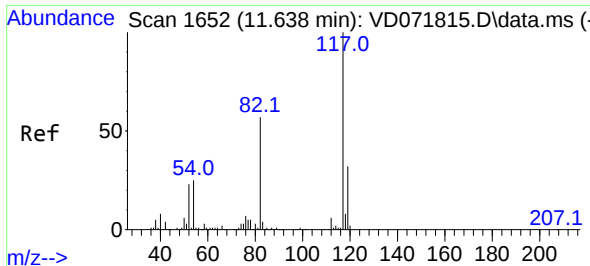
Tgt Ion: 98 Resp: 21788
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.704 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 95 Resp: 7040
Ion Ratio Lower Upper
95 100
174 83.8 0.0 152.8
176 68.5 0.0 145.4

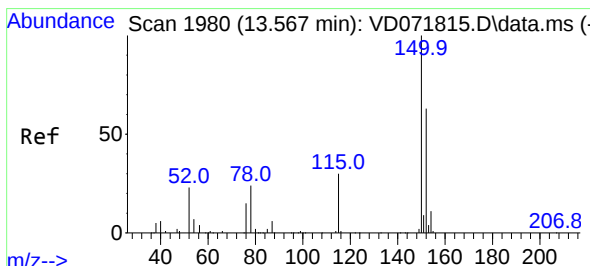
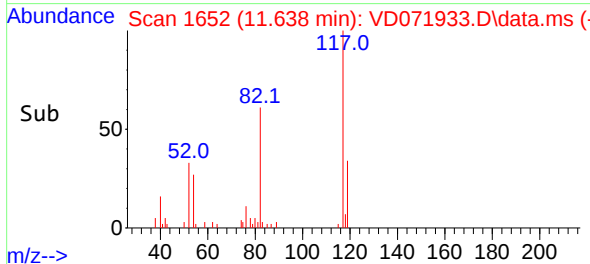
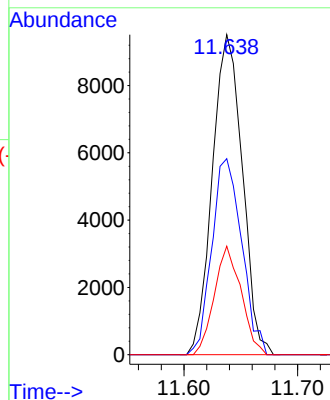
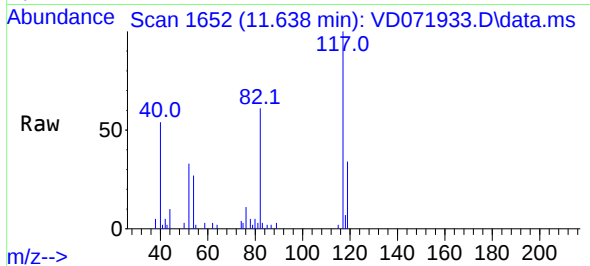




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Instrument :
MSVOA_D
ClientSampleId :
251488

Tgt Ion:	117	Resp:	17441
Ion	Ratio	Lower	Upper
117	100		
82	61.2	45.3	67.9
119	33.9	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Tgt Ion:	152	Resp:	6526
Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.8
150	152.6	0.0	348.6

