

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071297.D
 Acq On : 13 Dec 2021 15:31
 Operator : VA/SY
 Sample : M5017-59
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP2-A

Quant Time: Dec 14 08:14:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

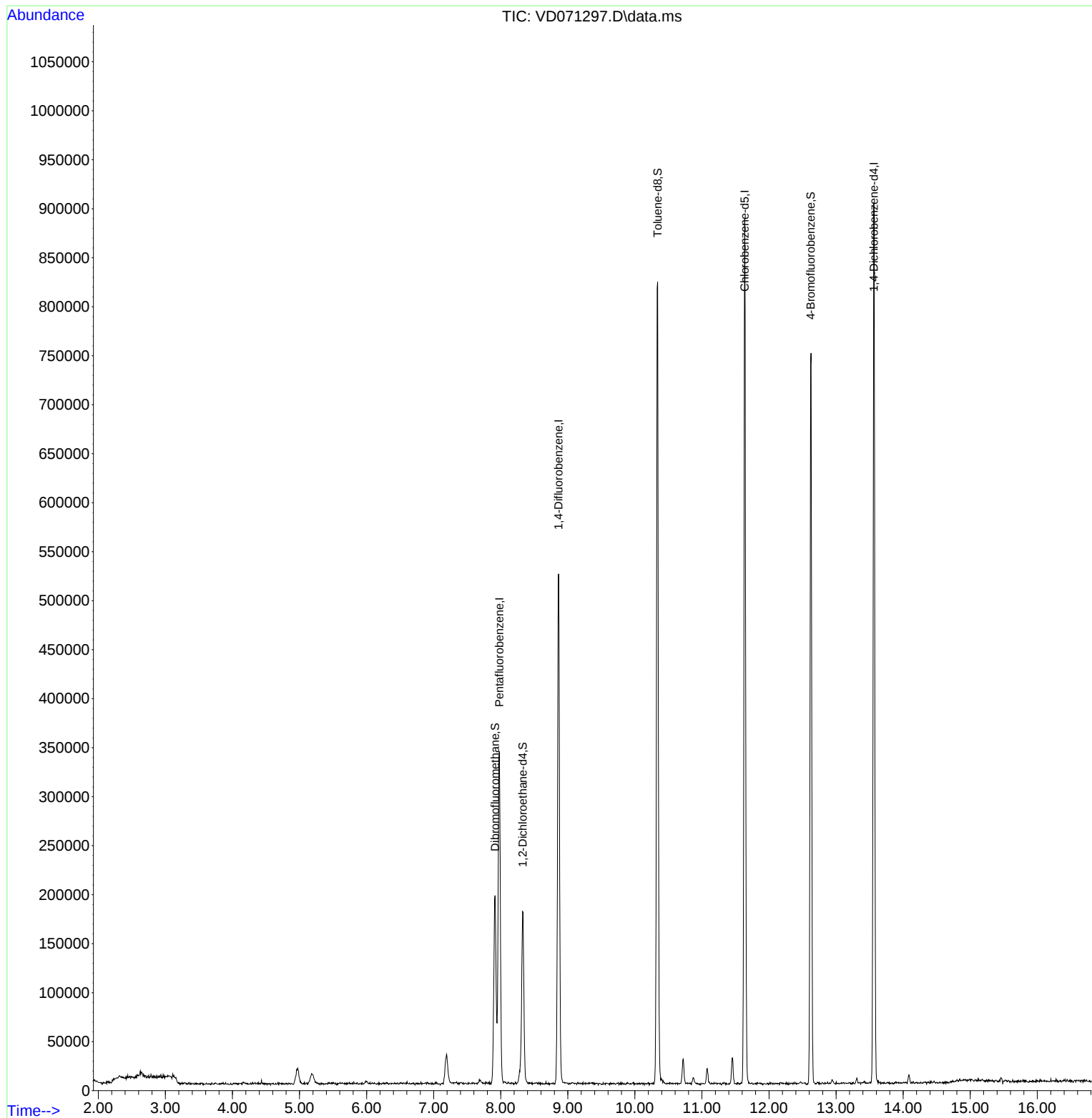
Internal Standards						
1) Pentafluorobenzene	7.979	168	236914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	415059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	457208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	222196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	138581	49.851	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.700%
35) Dibromofluoromethane	7.914	113	131643	49.807	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.620%
50) Toluene-d8	10.338	98	535056	53.196	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.400%
62) 4-Bromofluorobenzene	12.620	95	217652	62.426	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	124.860%
Target Compounds						
41) Methacrylonitrile	7.532	41	130	Below Cal	Qvalue #	27

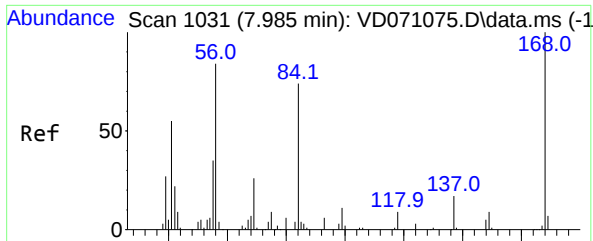
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071297.D

Acq: 13 Dec 2021 15:31

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MSVOA_D

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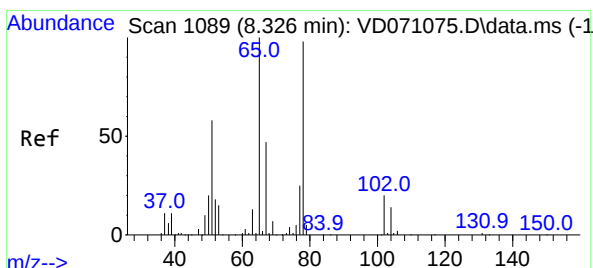
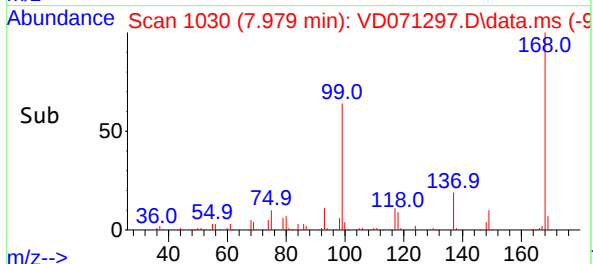
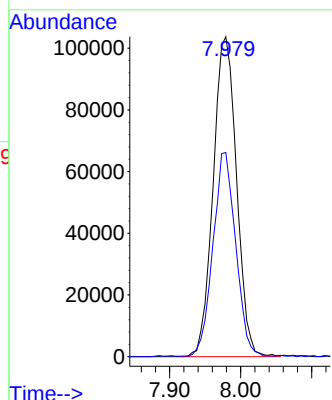
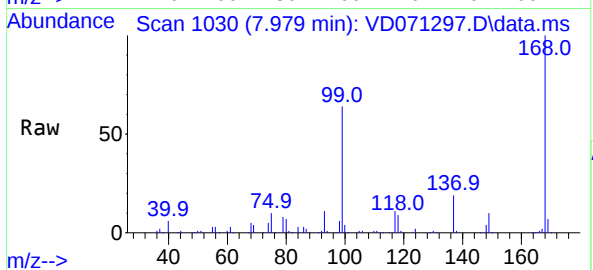
SP2-A

Tgt Ion:168 Resp: 236914

Ion Ratio Lower Upper

168 100

99 63.6 46.6 69.8



1,2-Dichloroethane-d4

Concen: 49.851 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071297.D

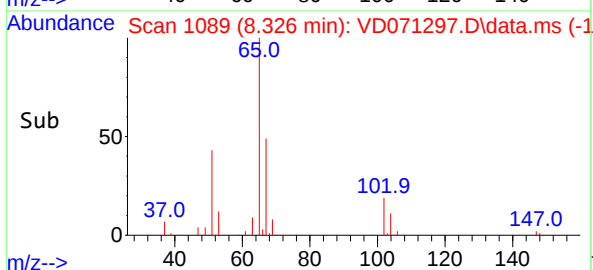
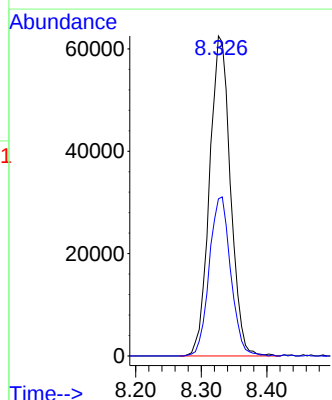
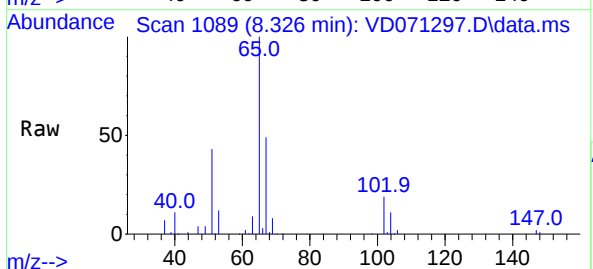
Acq: 13 Dec 2021 15:31

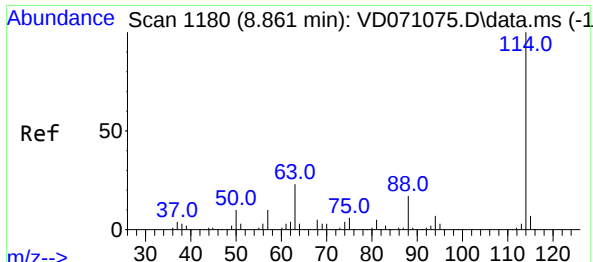
Tgt Ion: 65 Resp: 138581

Ion Ratio Lower Upper

65 100

67 50.9 0.0 112.2



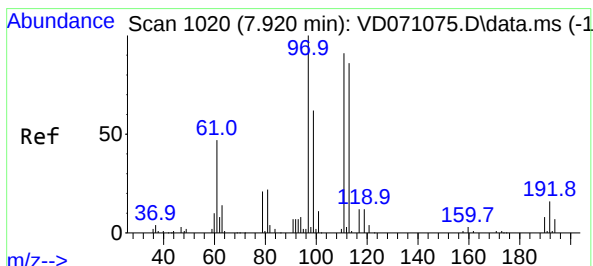
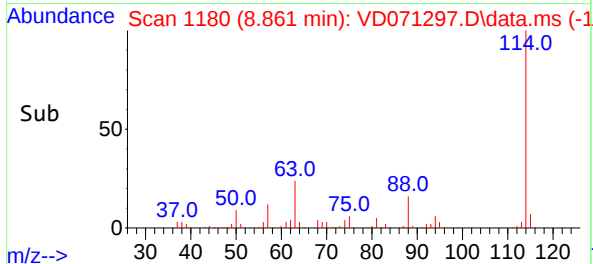
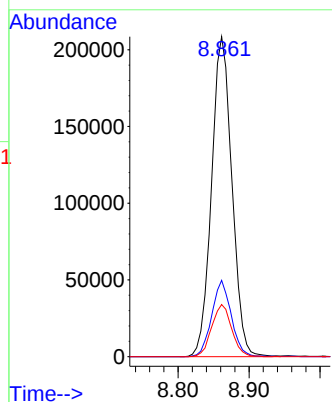
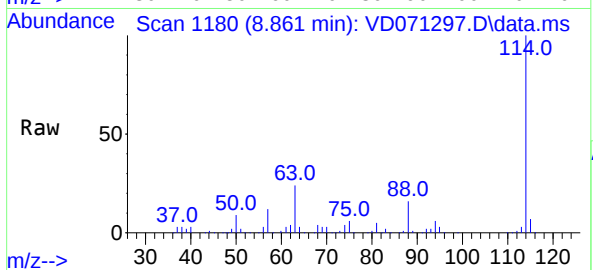


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Instrument :
MSVOA_D
ClientSampleId :
SP2-A

Tgt Ion:114 Resp: 415059

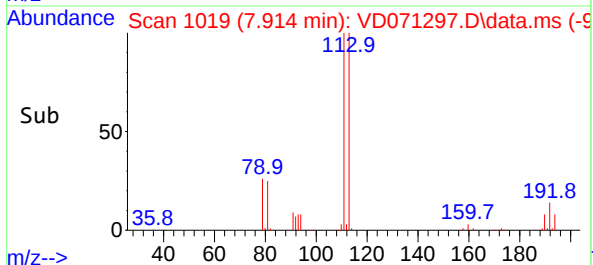
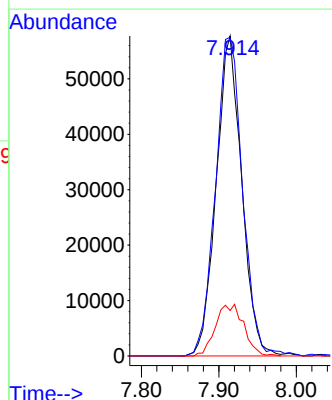
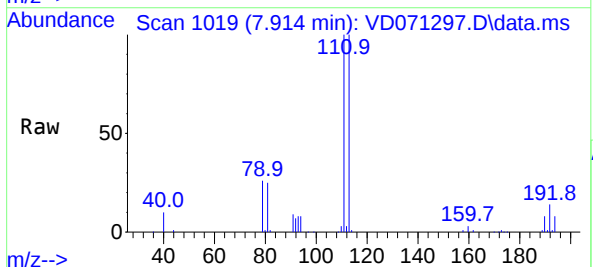
Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	41.8
88	16.3	0.0	32.8

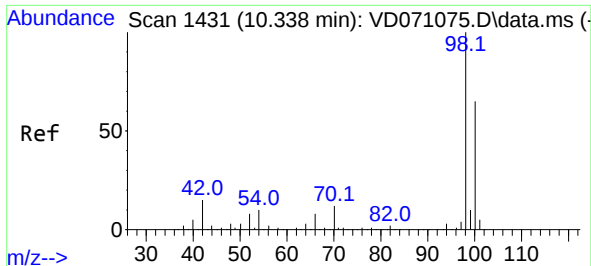


#35
Dibromofluoromethane
Concen: 49.807 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Tgt Ion:113 Resp: 131643

Ion	Ratio	Lower	Upper
113	100		
111	106.1	82.0	123.0
192	18.0	15.2	22.8

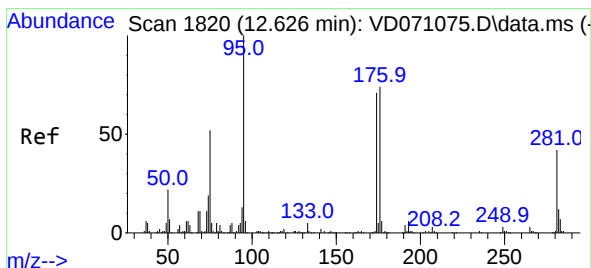
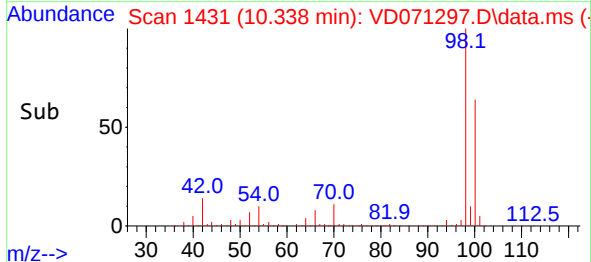
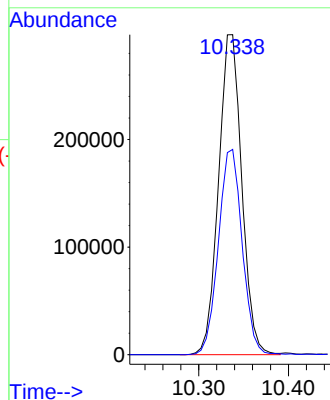
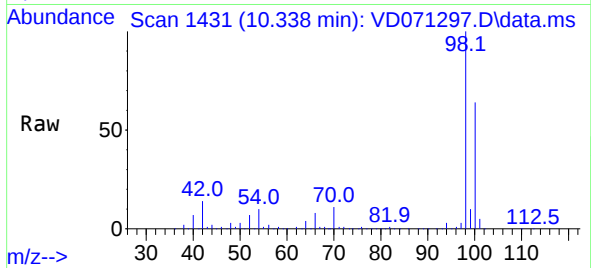




#50
Toluene-d8
Concen: 53.196 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

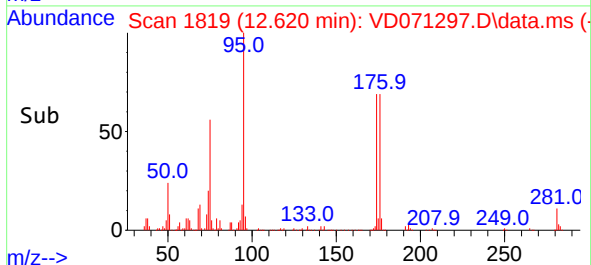
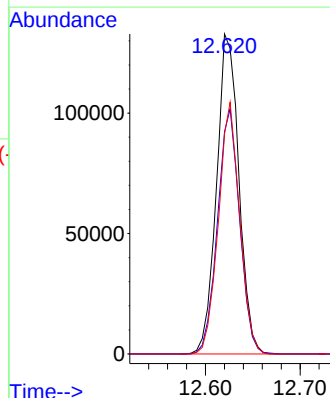
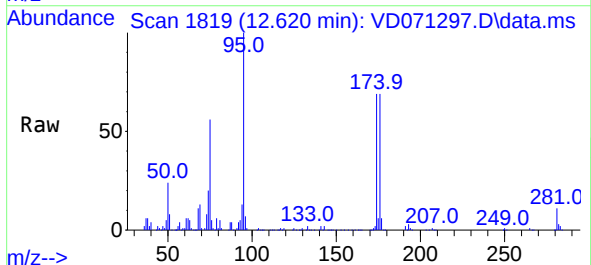
Instrument :
MSVOA_D
ClientSampleId :
SP2-A

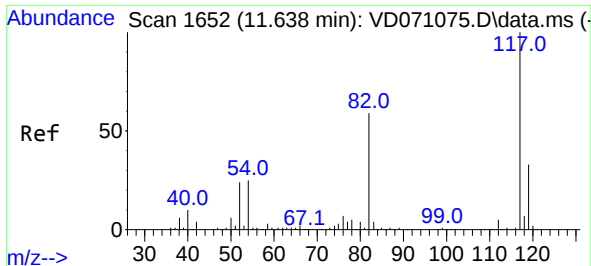
Tgt Ion: 98 Resp: 535056
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 62.426 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Tgt Ion: 95 Resp: 217652
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.4
176 74.7 0.0 154.0

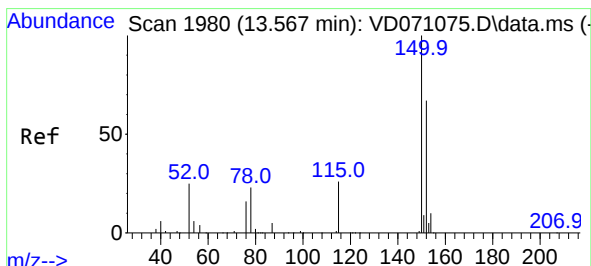
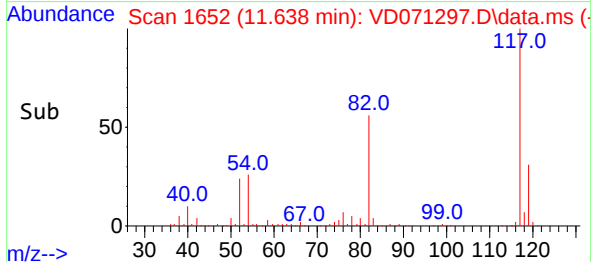
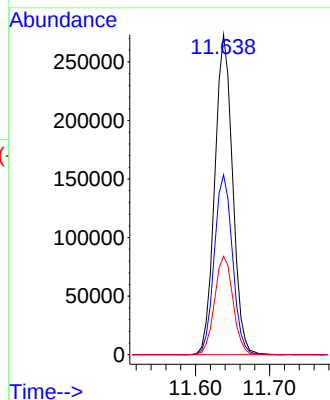
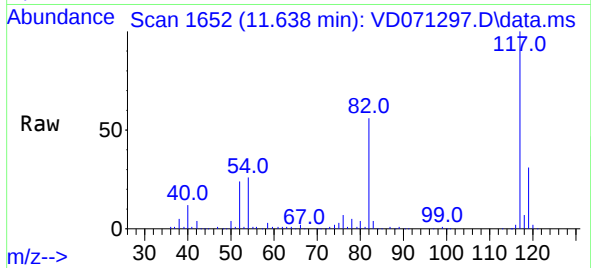




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Instrument :
MSVOA_D
ClientSampleId :
SP2-A

Tgt Ion:117 Resp: 457208
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 30.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Tgt Ion:152 Resp: 222196
Ion Ratio Lower Upper
152 100
115 59.5 29.8 89.3
150 153.2 0.0 349.2

