

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076157.D
 Acq On : 19 May 2023 15:12
 Operator : KP/SY
 Sample : 02807-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 360

Quant Time: May 22 01:29:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	6101	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.769	114	12213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	13296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	5785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	6757	114.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 229.180%#	
35) Dibromofluoromethane	7.804	113	6512	77.140	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 154.280%#	
50) Toluene-d8	10.269	98	13456	40.889	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 81.780%	
62) 4-Bromofluorobenzene	12.569	95	5086	55.636	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.280%	

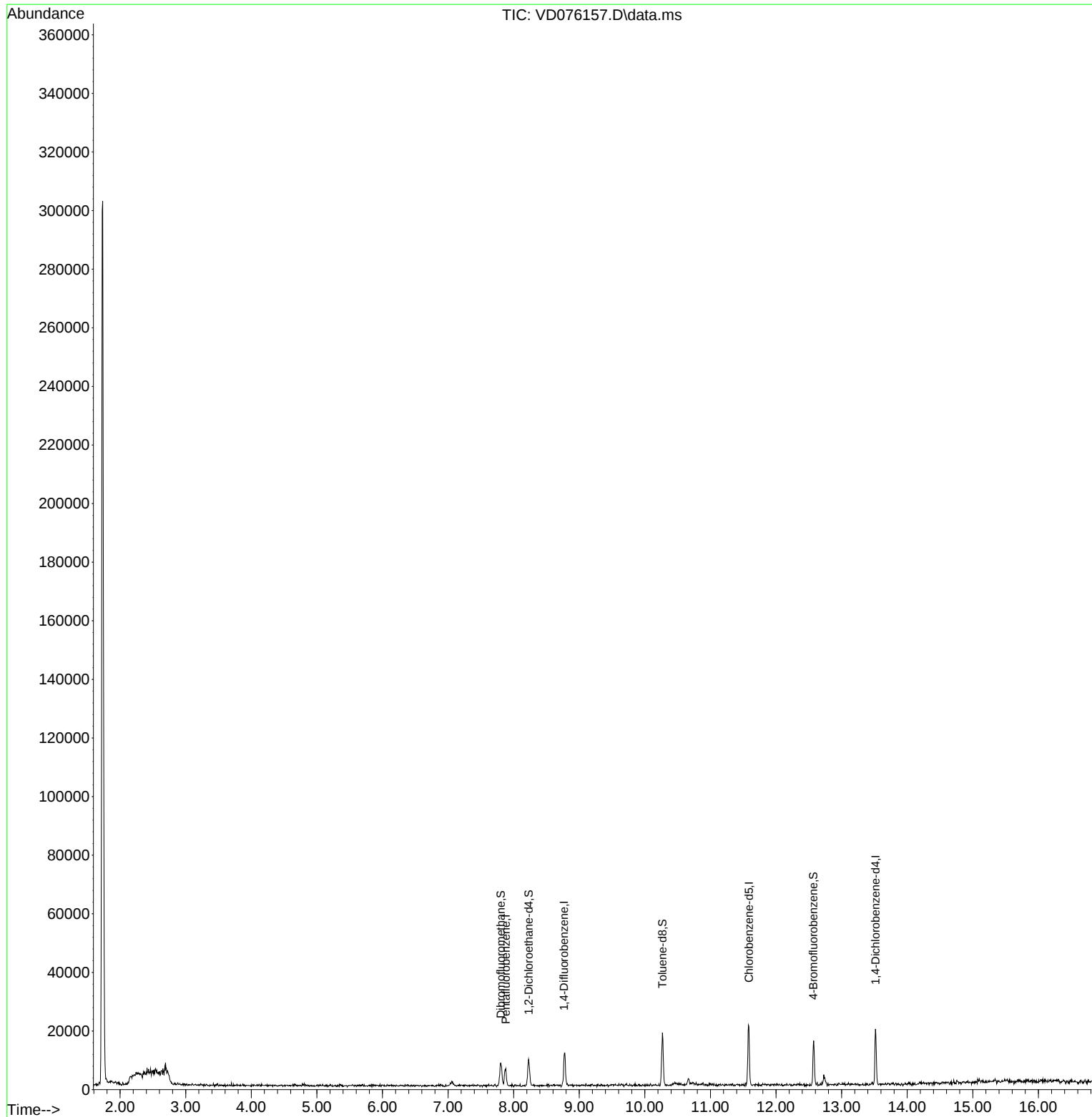
Target Compounds	Qvalue

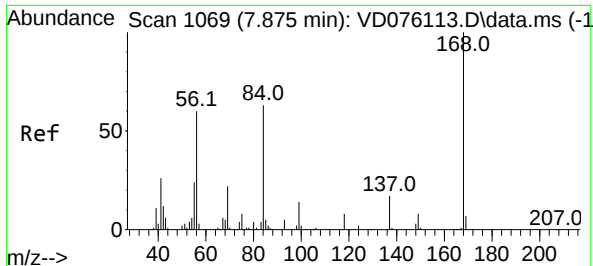
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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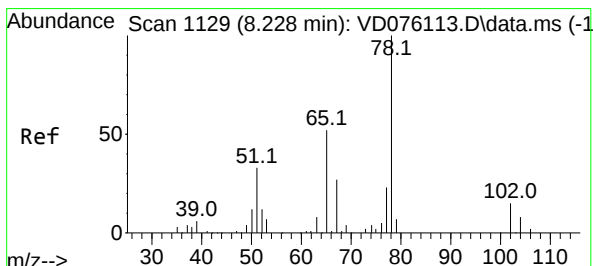
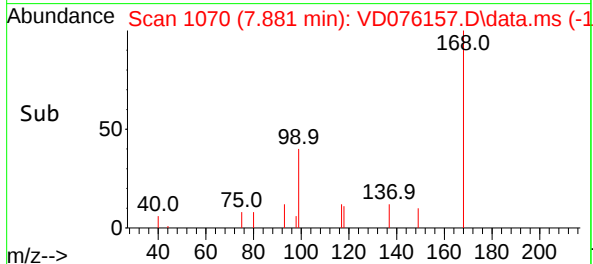
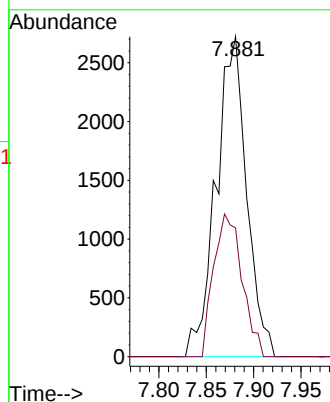
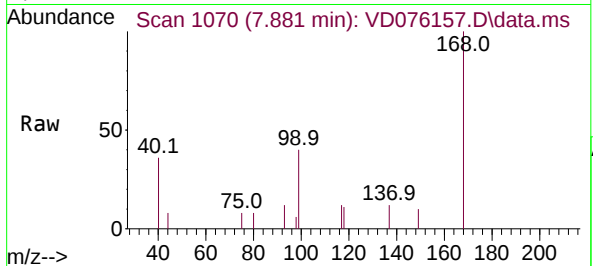




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

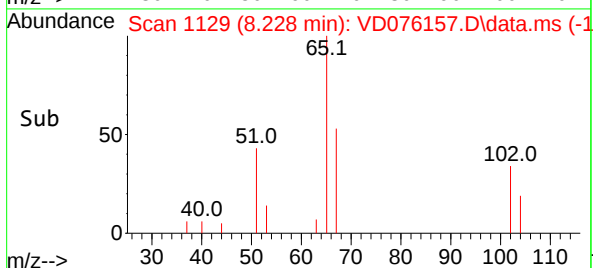
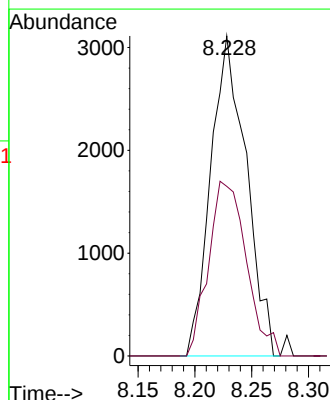
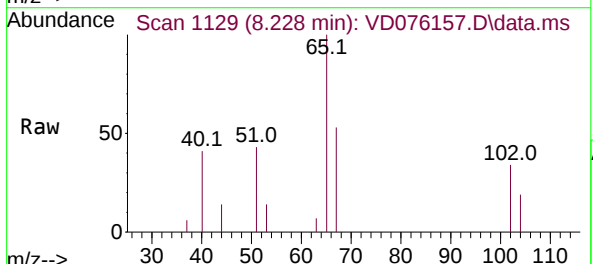
Instrument :
MSVOA_D
ClientSampleId :
360

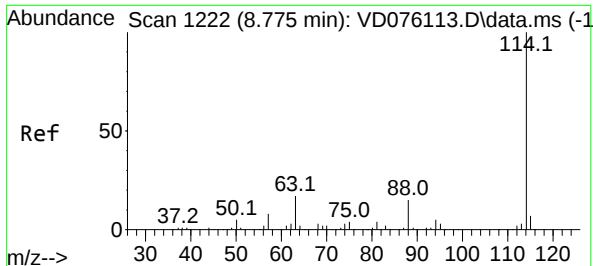
Tgt Ion:168 Resp: 6101
Ion Ratio Lower Upper
168 100
99 40.2 43.8 65.6#



#33
1,2-Dichloroethane-d4
Concen: 114.594 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

Tgt Ion: 65 Resp: 6757
Ion Ratio Lower Upper
65 100
67 58.1 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD076157.D

Acq: 19 May 2023 15:12

Instrument :

MSVOA_D

ClientSampleId :

360

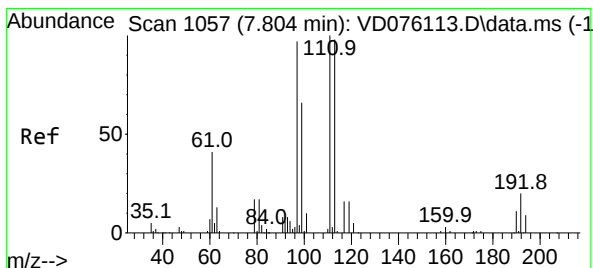
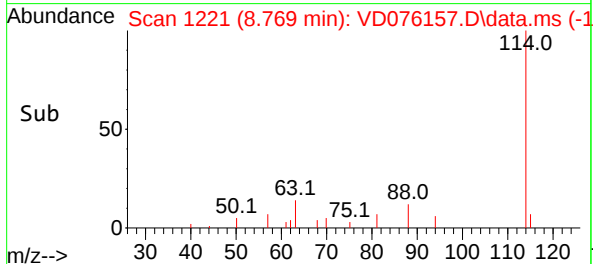
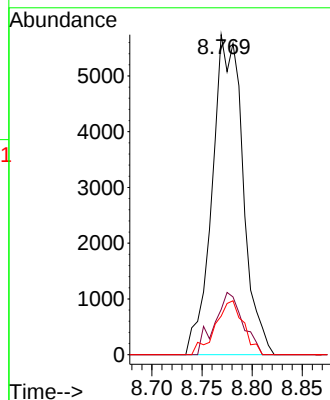
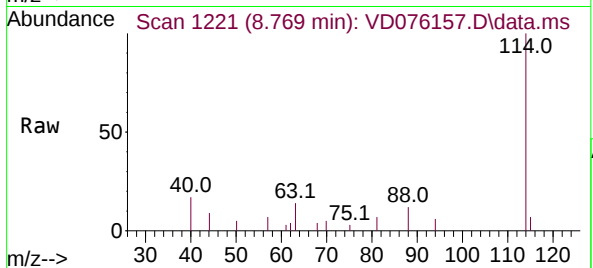
Tgt Ion:114 Resp: 12213

Ion Ratio Lower Upper

114 100

63 14.1 0.0 41.6

88 12.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 77.140 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076157.D

Acq: 19 May 2023 15:12

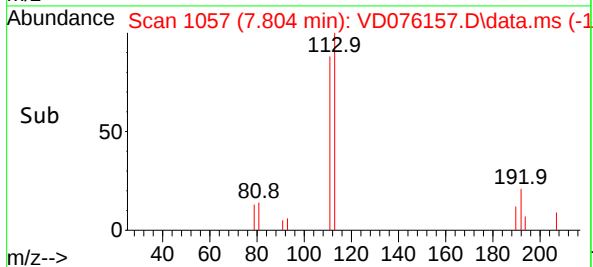
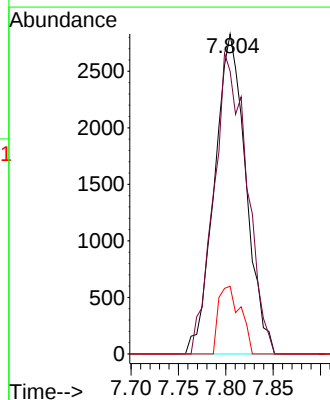
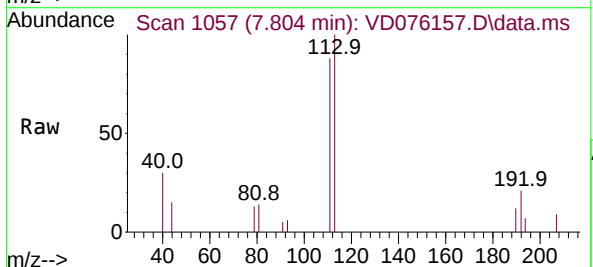
Tgt Ion:113 Resp: 6512

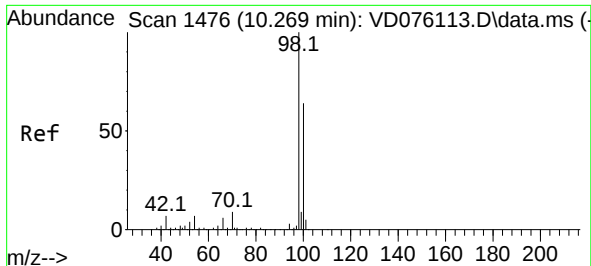
Ion Ratio Lower Upper

113 100

111 99.0 81.4 122.0

192 14.7 15.2 22.8#

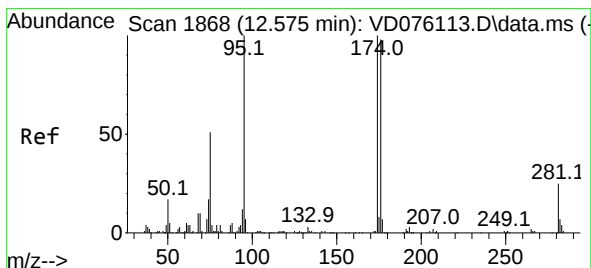
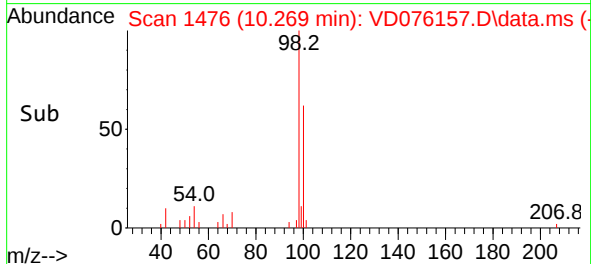
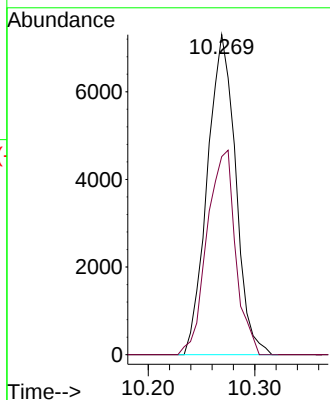
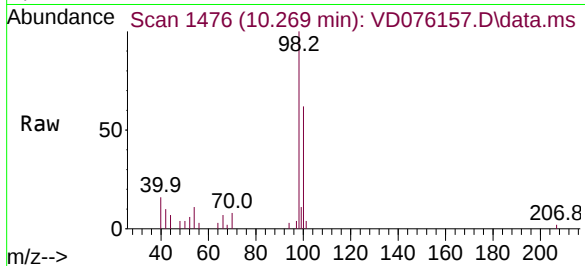




#50
Toluene-d8
Concen: 40.889 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

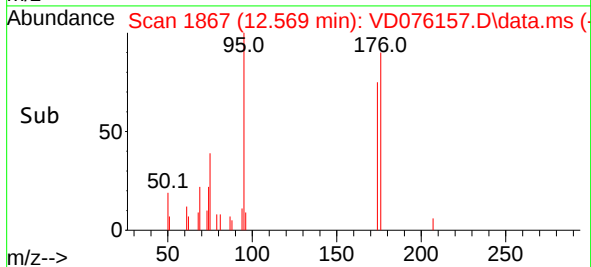
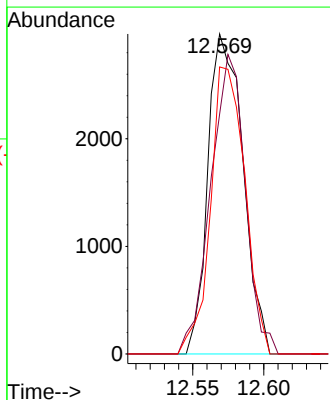
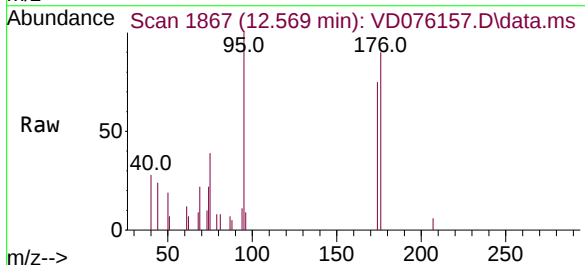
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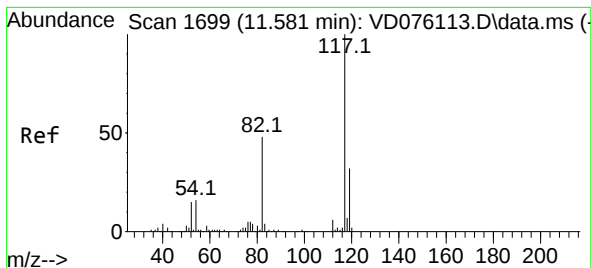
Tgt Ion: 98 Resp: 13456
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 55.636 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076157.D
Acq: 19 May 2023 15:12

Tgt Ion: 95 Resp: 5086
Ion Ratio Lower Upper
95 100
174 92.4 0.0 164.0
176 88.4 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076157.D

Acq: 19 May 2023 15:12

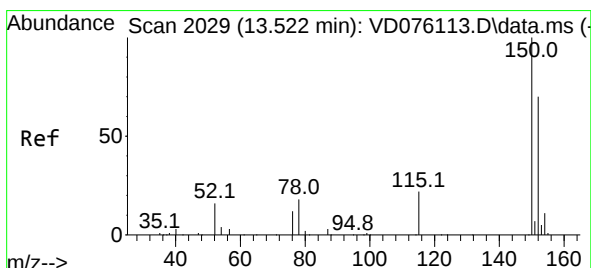
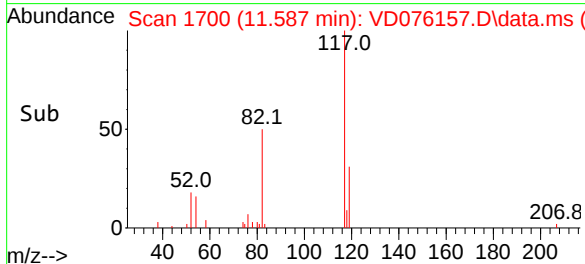
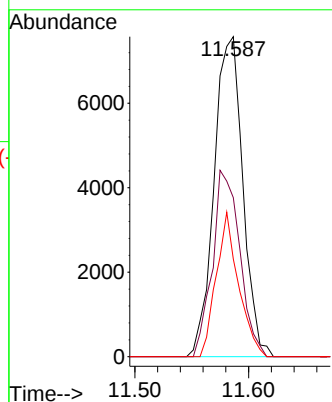
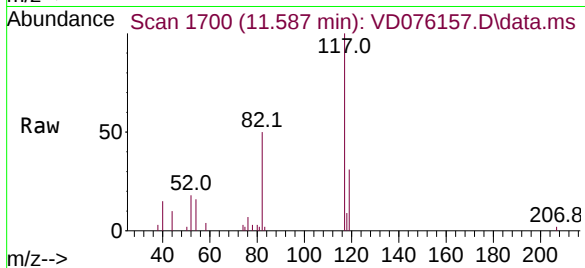
Instrument :

MSVOA_D

ClientSampleId :

360

Tgt Ion:117	Resp:	13296
Ion	Ratio	Lower Upper
117	100	
82	49.7	44.0 66.0
119	30.5	25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076157.D

Acq: 19 May 2023 15:12

Tgt Ion:152	Resp:	5785
Ion	Ratio	Lower Upper
152	100	
115	53.9	30.1 90.3
150	154.6	0.0 364.8

