

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021723\
 Data File : VD075353.D
 Acq On : 17 Feb 2023 14:01
 Operator : KP/SY
 Sample : 01593-01
 Misc : 4.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-13-SB01

Quant Time: Feb 18 01:05:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	62862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	106607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	81683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	18097	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	36225	49.145	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.280%
35) Dibromofluoromethane	7.804	113	37092	49.620	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.240%
50) Toluene-d8	10.269	98	126584	44.652	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.300%
62) 4-Bromofluorobenzene	12.575	95	24807	26.538	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	53.080%

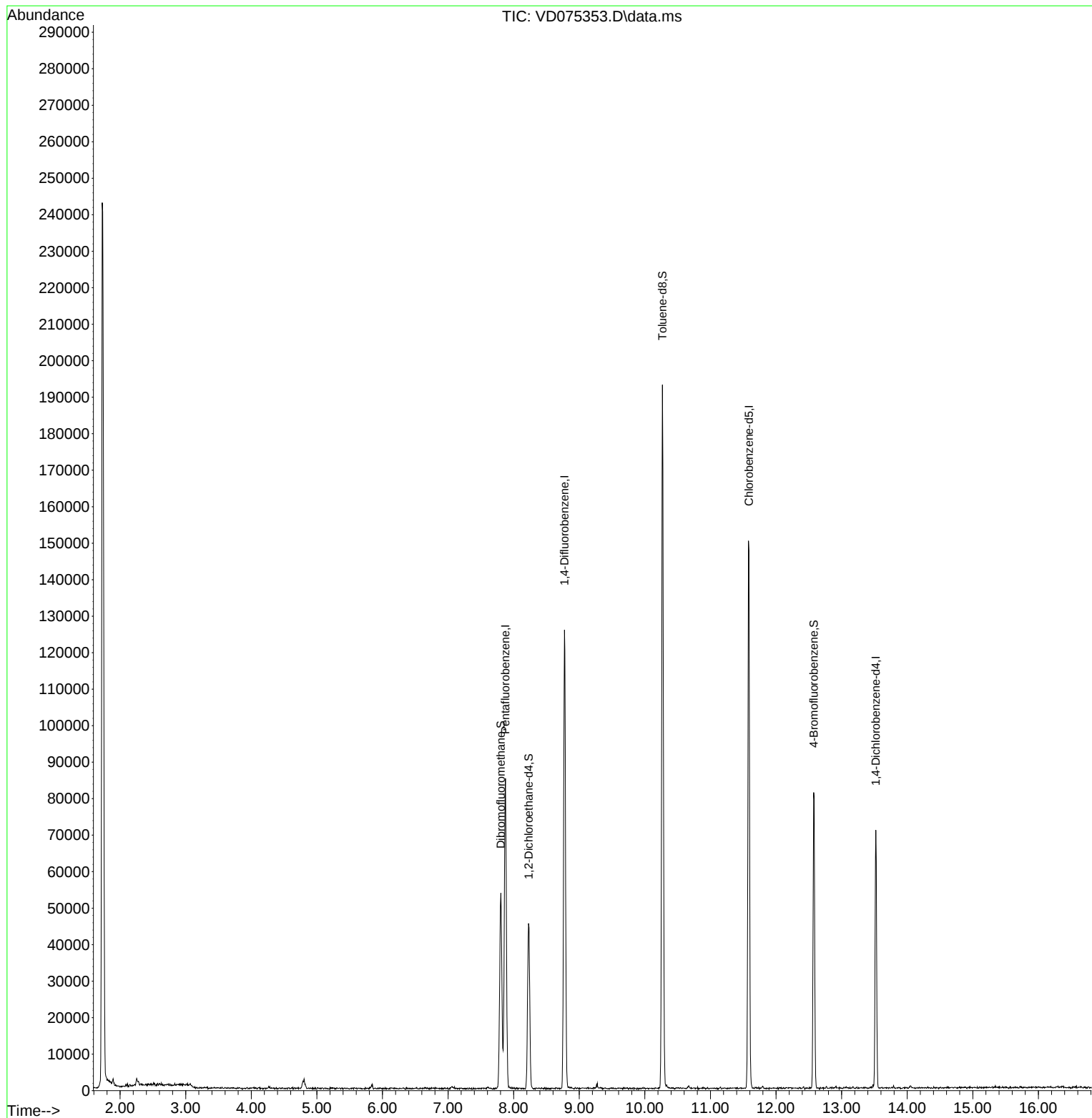
Target Compounds	Qvalue

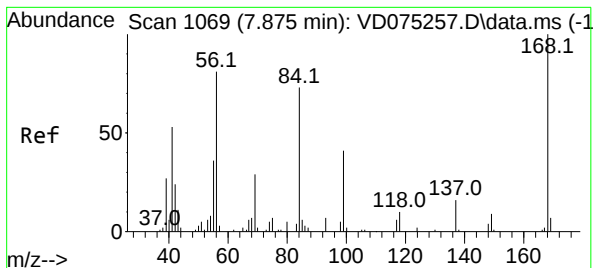
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VD075353.D

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Instrument :

MSVOA_D

ClientSampleId :

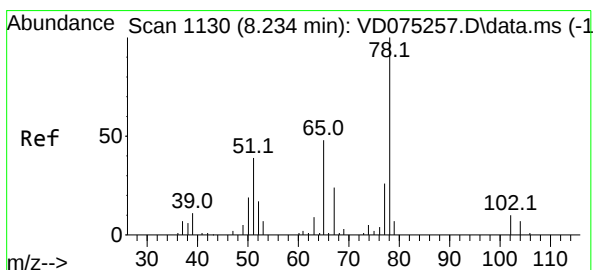
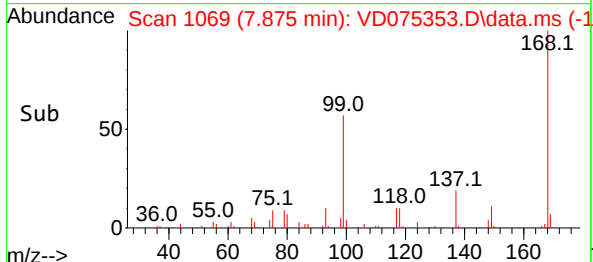
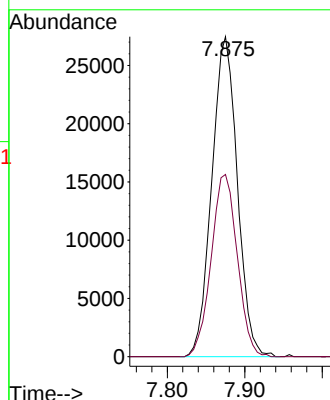
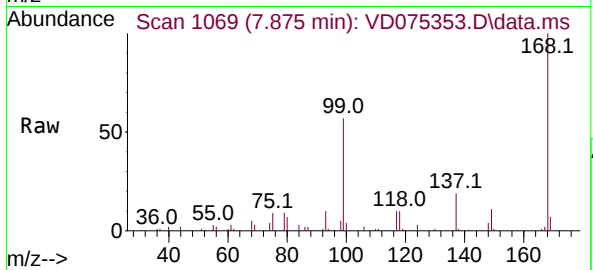
B-13-SB01

Tgt Ion:168 Resp: 62862

Ion Ratio Lower Upper

168 100

99 57.0 45.2 67.8



#33

1,2-Dichloroethane-d4

Concen: 49.145 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075353.D

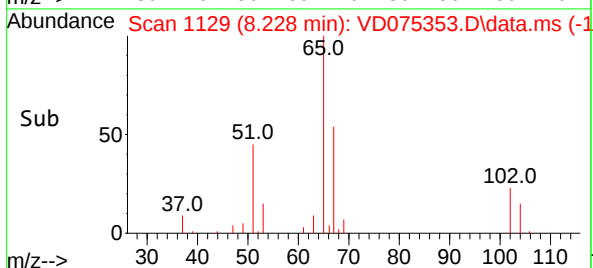
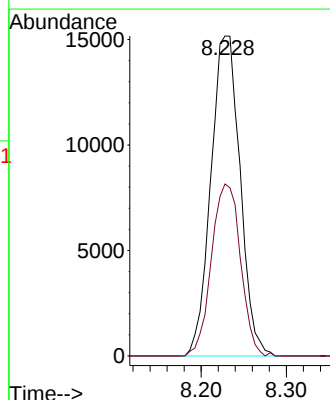
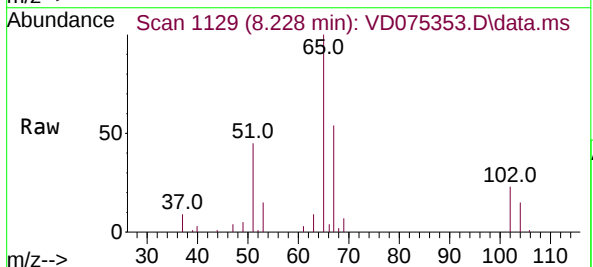
Acq: 17 Feb 2023 14:01

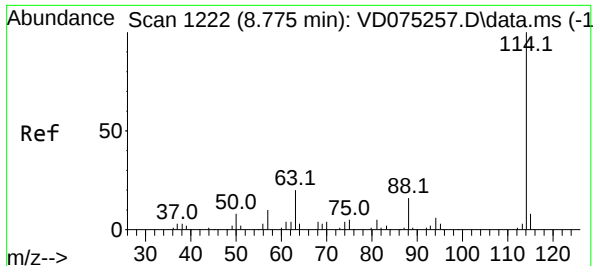
Tgt Ion: 65 Resp: 36225

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075353.D

Acq: 17 Feb 2023 14:01

Instrument :

MSVOA_D

ClientSampleId :

B-13-SB01

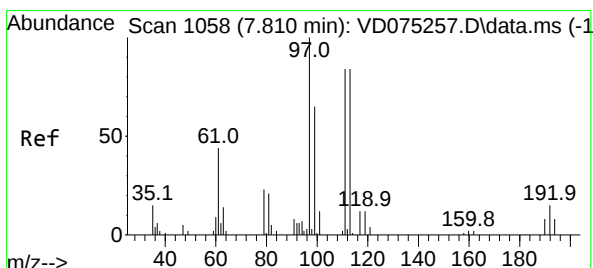
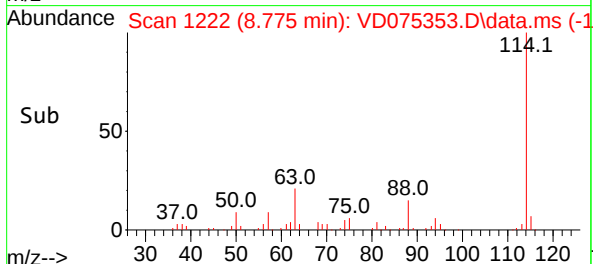
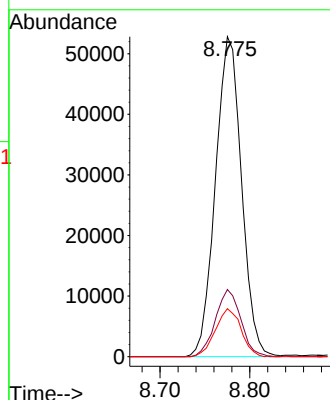
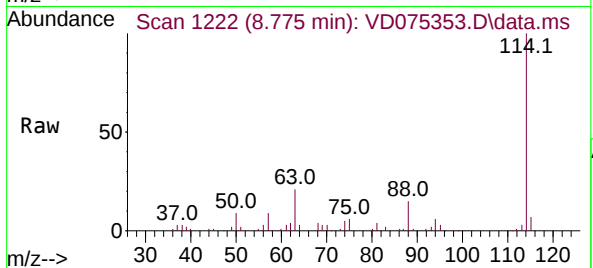
Tgt Ion:114 Resp: 106607

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.620 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075353.D

Acq: 17 Feb 2023 14:01

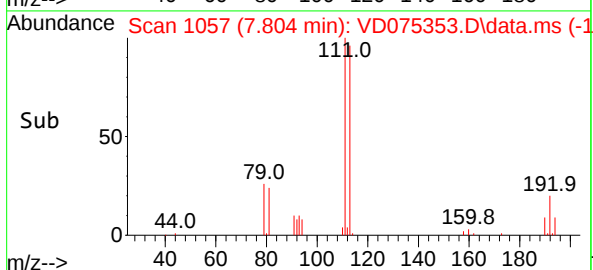
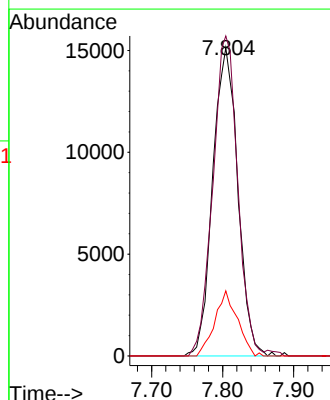
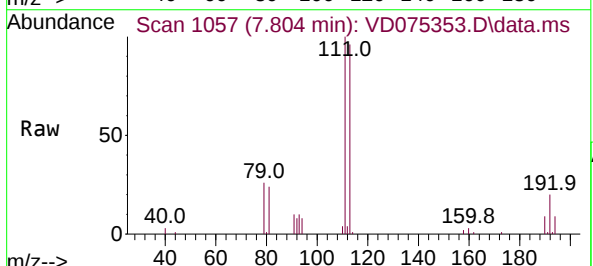
Tgt Ion:113 Resp: 37092

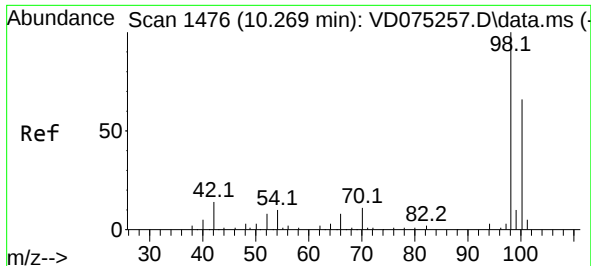
Ion Ratio Lower Upper

113 100

111 102.6 80.1 120.1

192 19.0 15.4 23.0

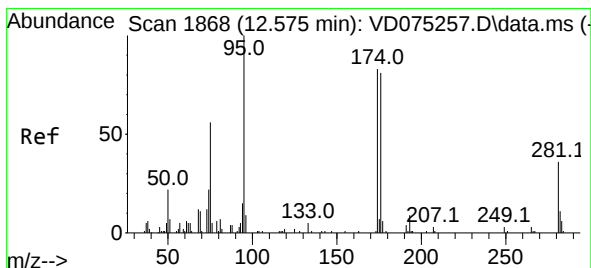
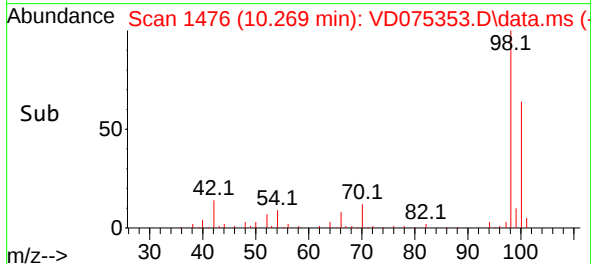
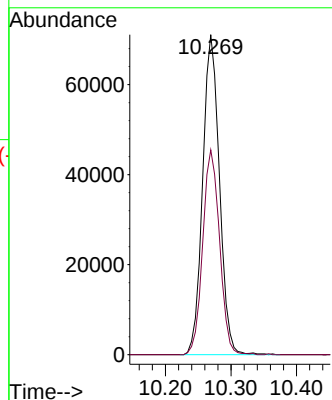
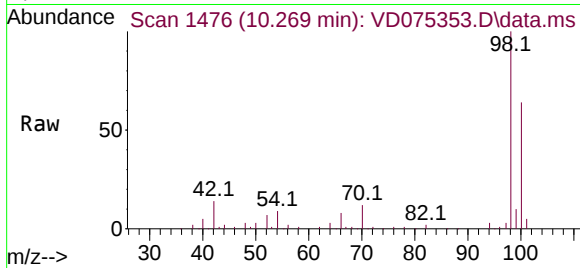




#50
Toluene-d8
Concen: 44.652 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

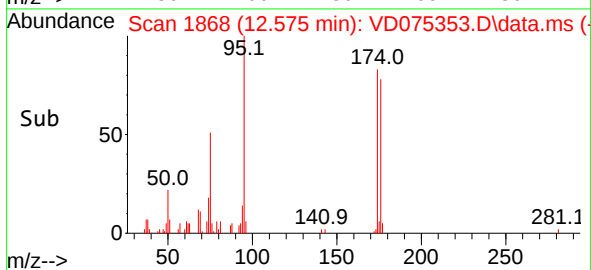
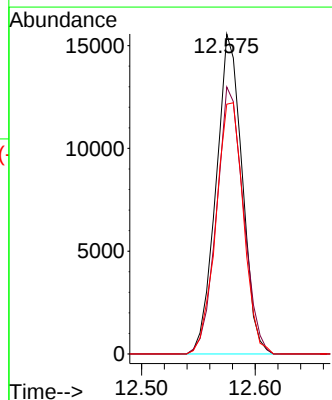
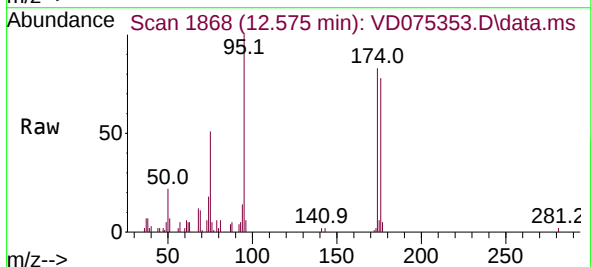
Instrument :
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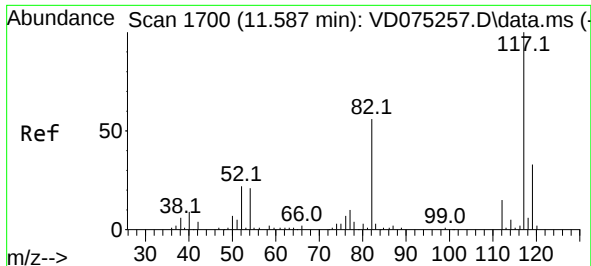
Tgt Ion: 98 Resp: 126584
Ion Ratio Lower Upper
98 100
100 64.2 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 26.538 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

Tgt Ion: 95 Resp: 24807
Ion Ratio Lower Upper
95 100
174 85.6 0.0 161.2
176 82.9 0.0 160.2

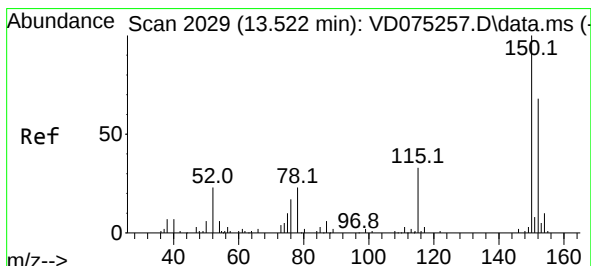
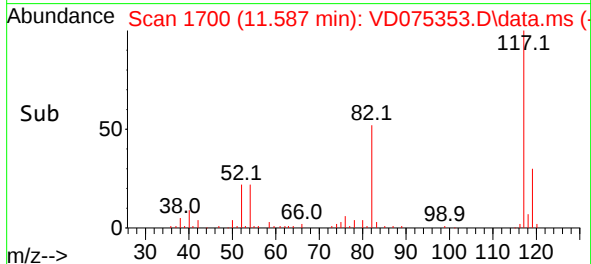
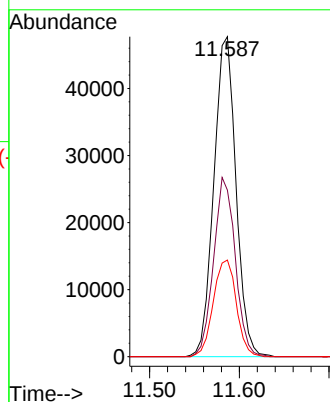
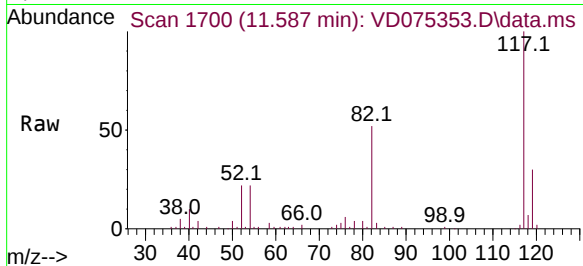




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

Instrument :
MSVOA_D
ClientSampleId :
B-13-SB01

Tgt Ion:117 Resp: 81683
Ion Ratio Lower Upper
117 100
82 52.1 39.6 59.4
119 30.2 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

Tgt Ion:152 Resp: 18097
Ion Ratio Lower Upper
152 100
115 57.1 28.8 86.4
150 159.3 0.0 348.6

