

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077866.D
 Acq On : 13 Dec 2023 16:58
 Operator : RP/MD
 Sample : 05611-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-1

Quant Time: Dec 14 01:54:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	3672	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	5585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	4365	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	1393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	1845	42.640	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.280%
35) Dibromofluoromethane	7.799	113	1884	48.158	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.320%
50) Toluene-d8	10.275	98	6421	40.980	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.960%
62) 4-Bromofluorobenzene	12.575	95	1620	34.582	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.160%

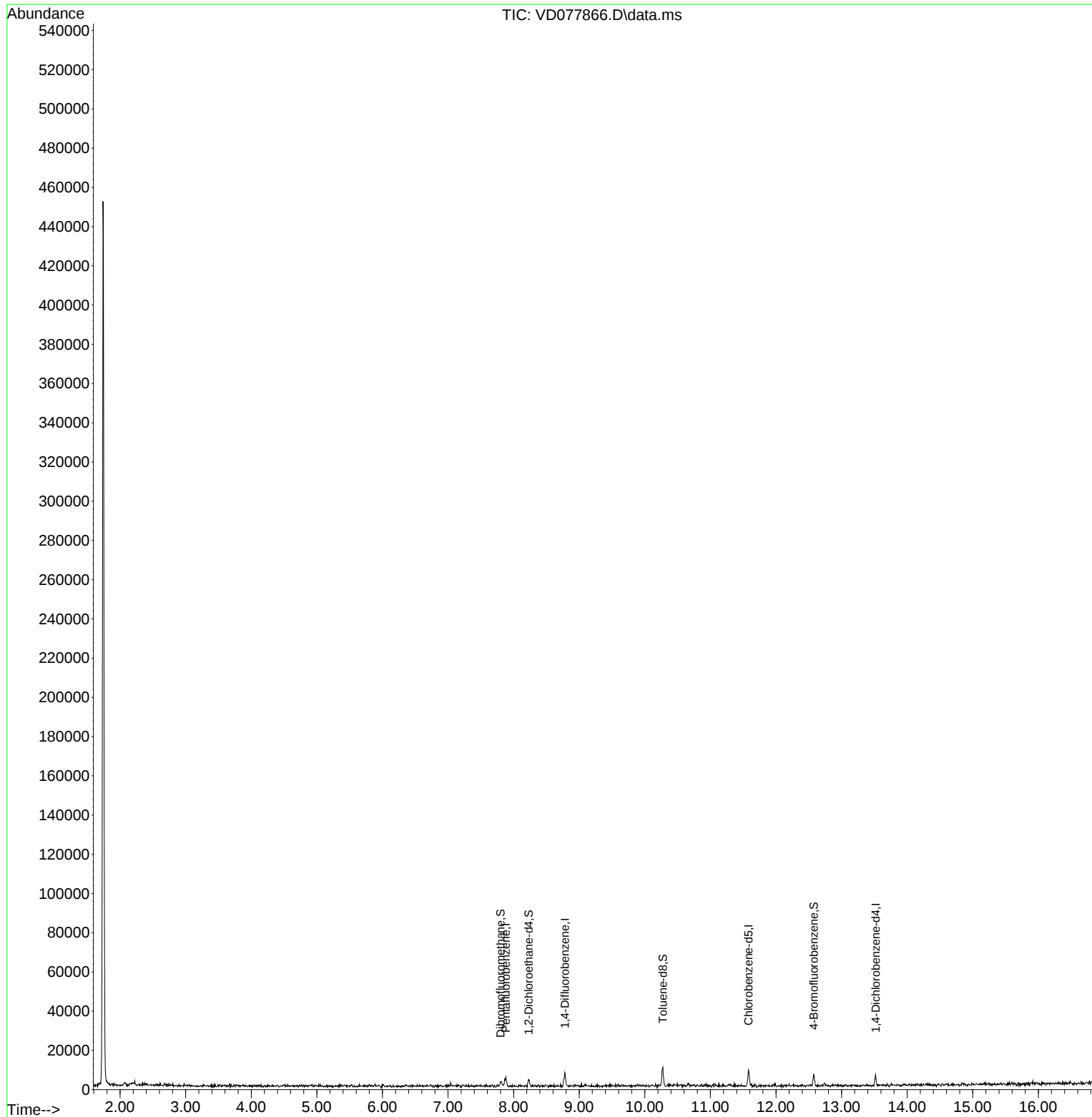
Target Compounds	Qvalue

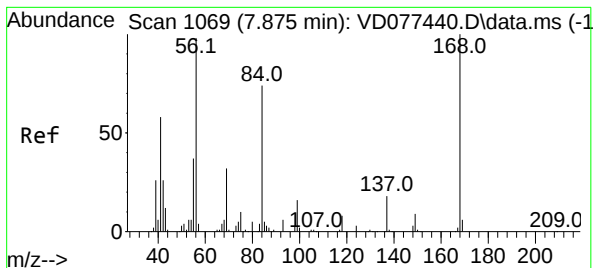
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD077866.D

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Instrument :

MSVOA_D

ClientSampleId :

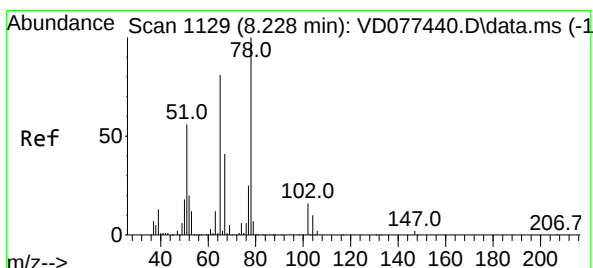
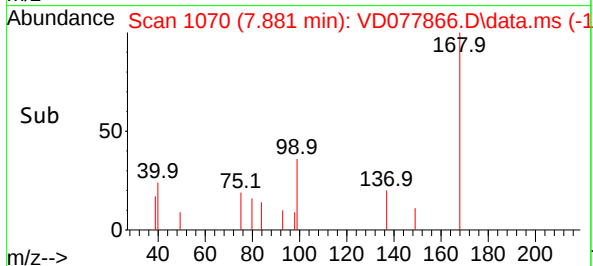
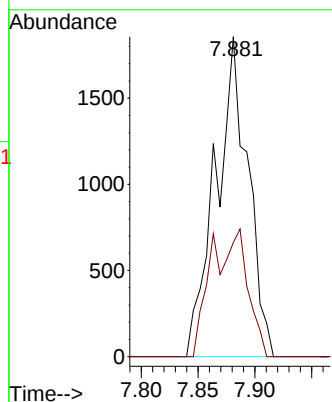
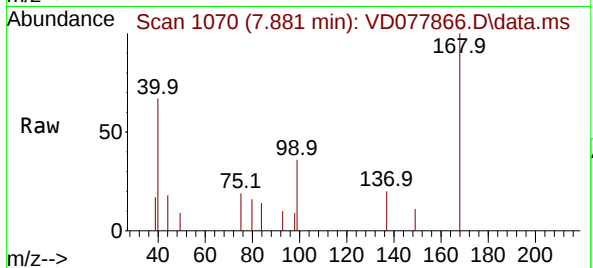
PE-1

Tgt Ion:168 Resp: 3672

Ion Ratio Lower Upper

168 100

99 35.6 36.7 55.1#



#33

1,2-Dichloroethane-d4

Concen: 42.640 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077866.D

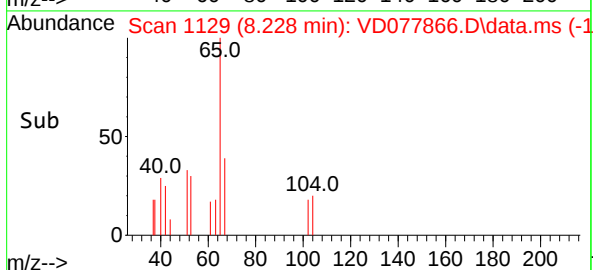
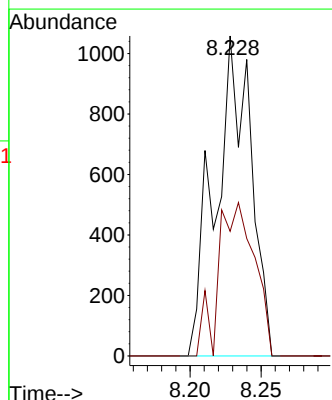
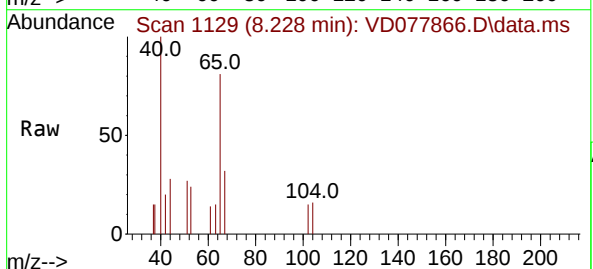
Acq: 13 Dec 2023 16:58

Tgt Ion: 65 Resp: 1845

Ion Ratio Lower Upper

65 100

67 48.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077866.D

Acq: 13 Dec 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

PE-1

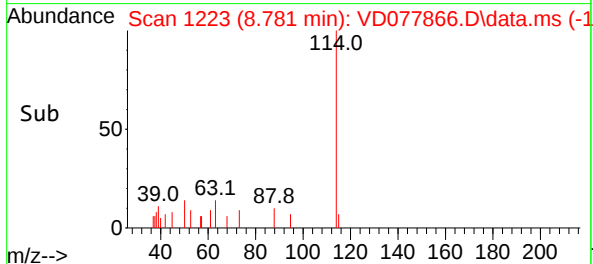
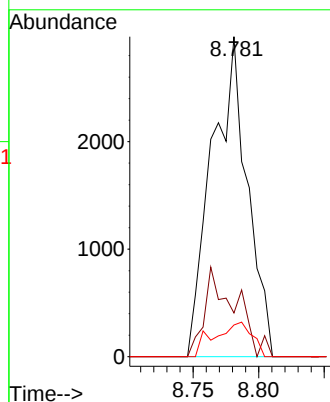
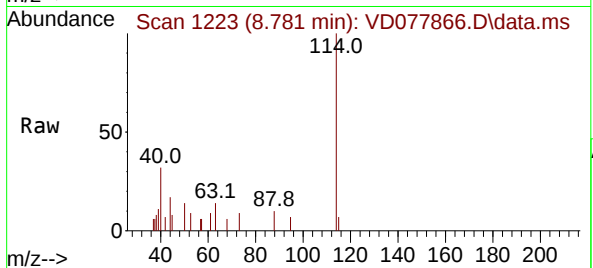
Tgt Ion:114 Resp: 5585

Ion Ratio Lower Upper

114 100

63 13.7 0.0 33.4

88 9.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.158 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.005 min

Lab File: VD077866.D

Acq: 13 Dec 2023 16:58

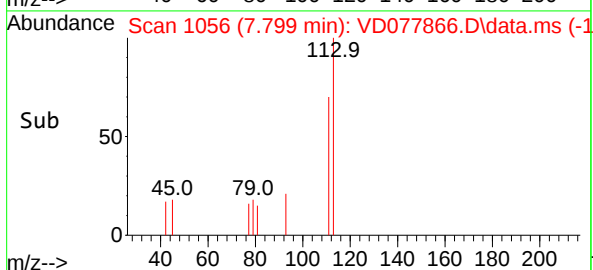
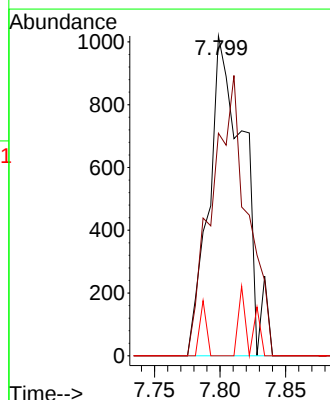
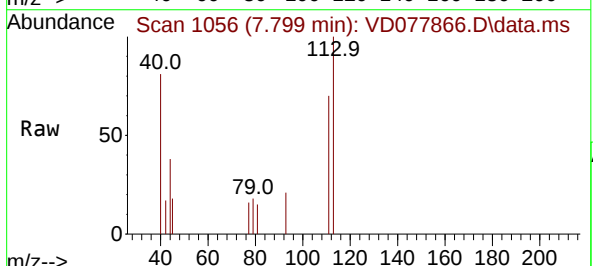
Tgt Ion:113 Resp: 1884

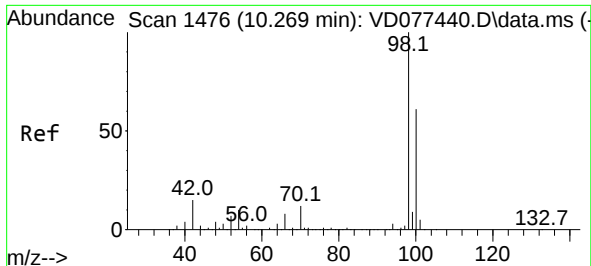
Ion Ratio Lower Upper

113 100

111 89.3 84.7 127.1

192 7.1 16.8 25.2#

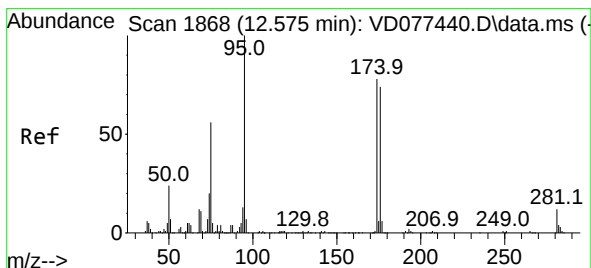
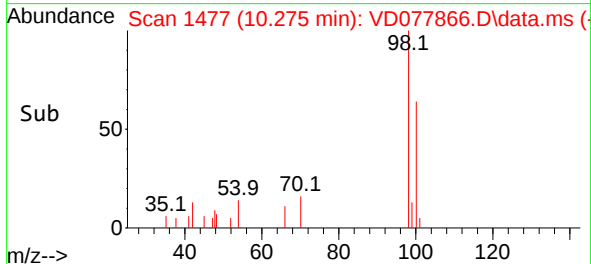
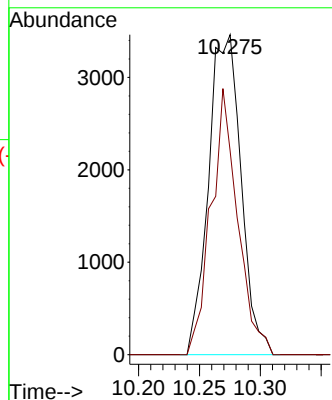
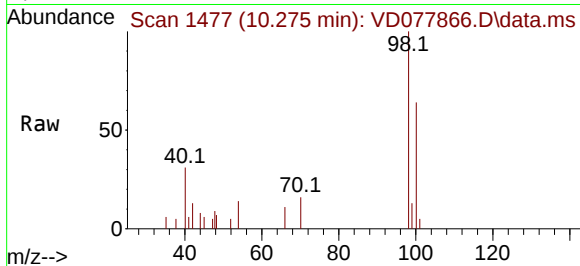




#50
Toluene-d8
Concen: 40.980 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD077866.D
Acq: 13 Dec 2023 16:58

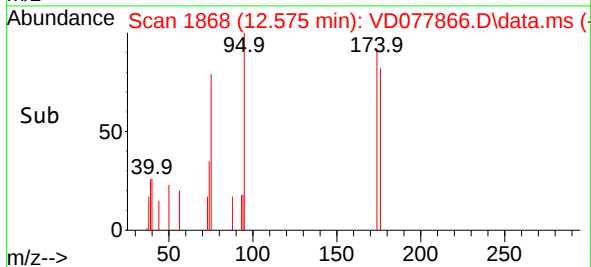
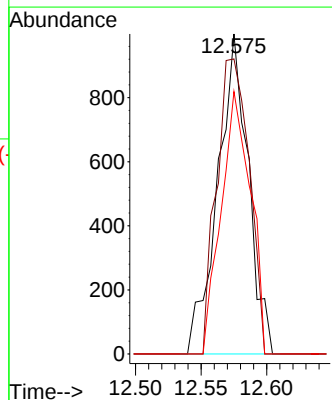
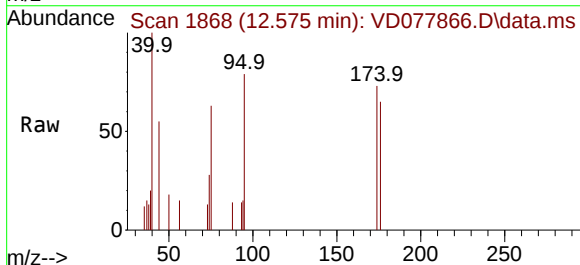
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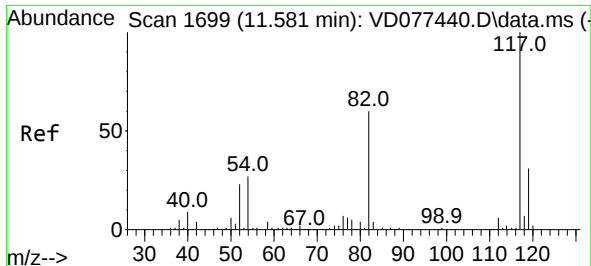
Tgt Ion: 98 Resp: 6421
Ion Ratio Lower Upper
98 100
100 68.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 34.582 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077866.D
Acq: 13 Dec 2023 16:58

Tgt Ion: 95 Resp: 1620
Ion Ratio Lower Upper
95 100
174 98.5 0.0 201.8
176 78.8 0.0 191.8

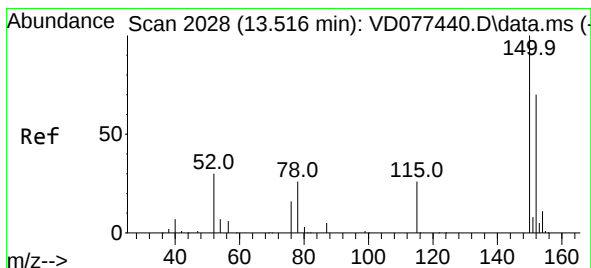
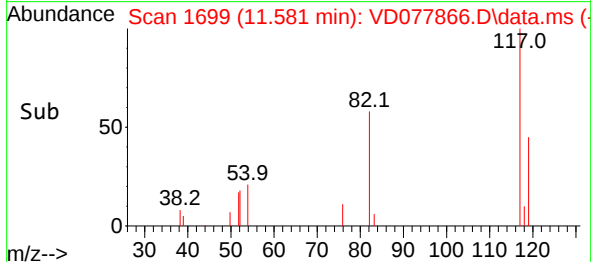
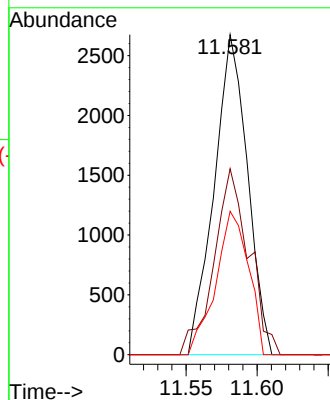
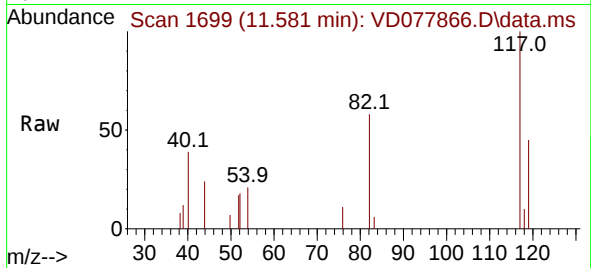




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077866.D
Acq: 13 Dec 2023 16:58

Instrument :
MSVOA_D
ClientSampleId :
PE-1

Tgt Ion:117 Resp: 4365
Ion Ratio Lower Upper
117 100
82 58.1 38.3 57.5#
119 44.8 25.0 37.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077866.D
Acq: 13 Dec 2023 16:58

Tgt Ion:152 Resp: 1393
Ion Ratio Lower Upper
152 100
115 55.4 27.1 81.3
150 170.6 0.0 353.6

