

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077856.D
 Acq On : 13 Dec 2023 12:30
 Operator : RP/MD
 Sample : 05767-09
 Misc : 12.46G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-E3-GRAB

Quant Time: Dec 14 01:51:48 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	198726	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	350564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	320460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	136725	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	90213	38.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.040%
35) Dibromofluoromethane	7.810	113	102688	41.818	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.640%
50) Toluene-d8	10.269	98	438459	44.582	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.160%
62) 4-Bromofluorobenzene	12.575	95	122571	41.685	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.380%

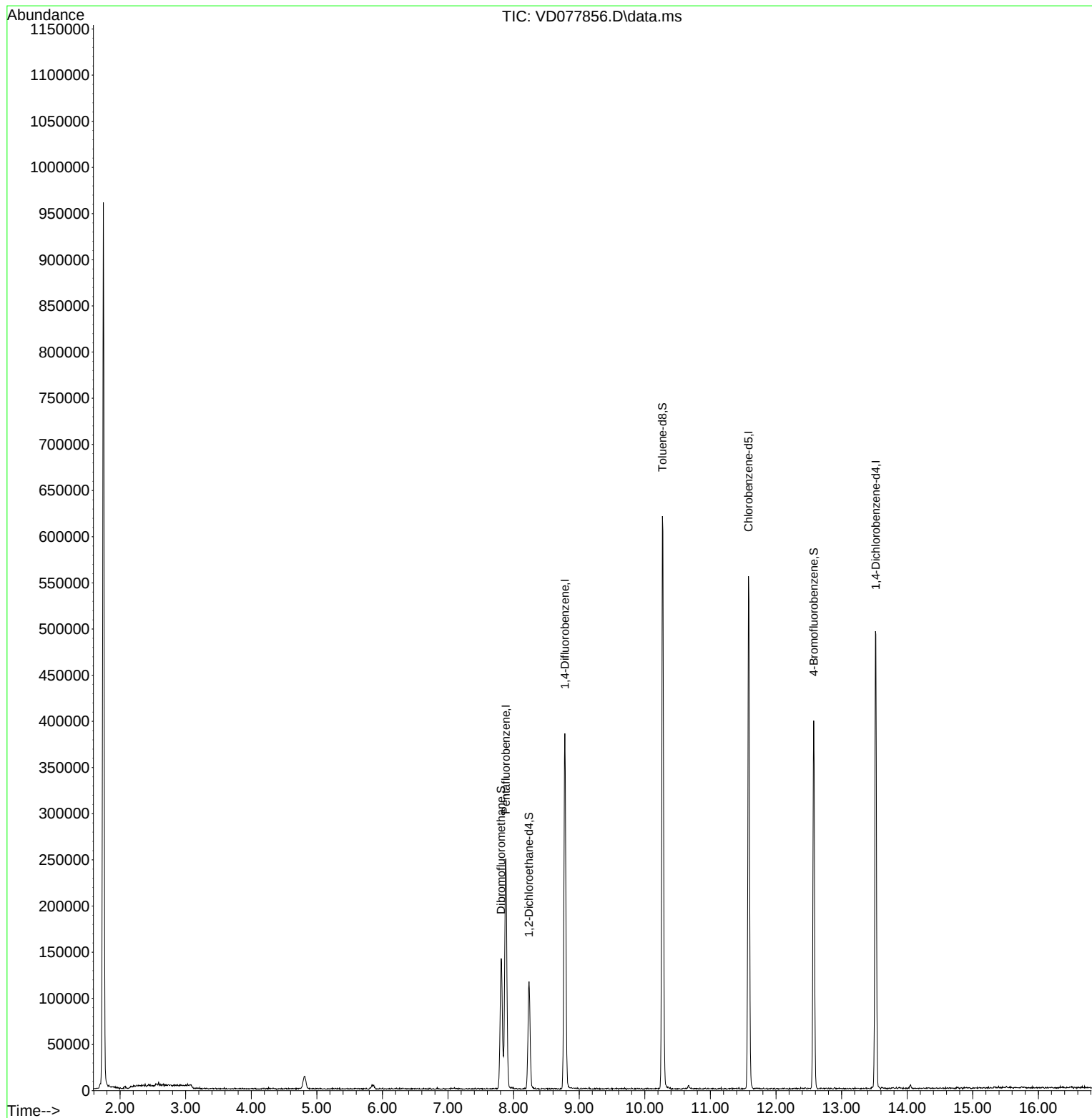
Target Compounds	Qvalue

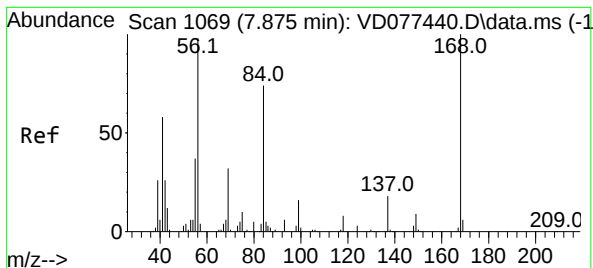
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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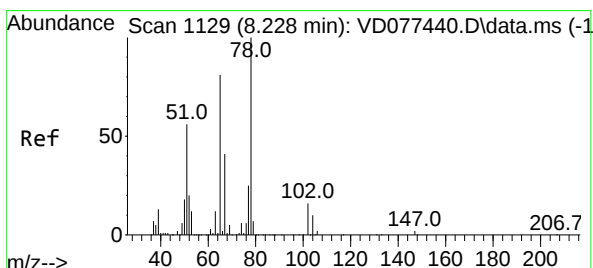
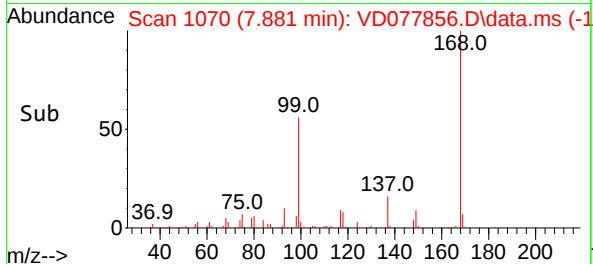
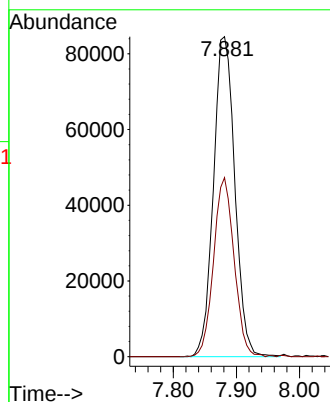
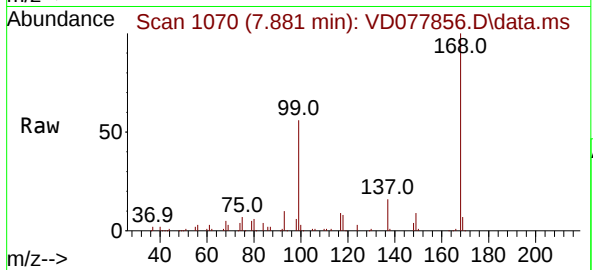




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

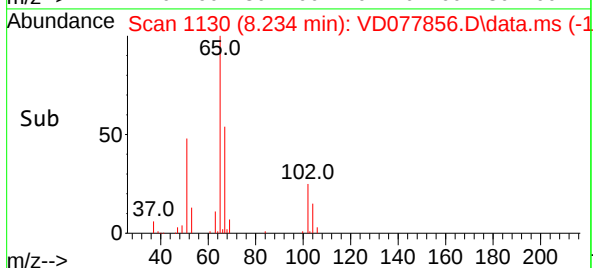
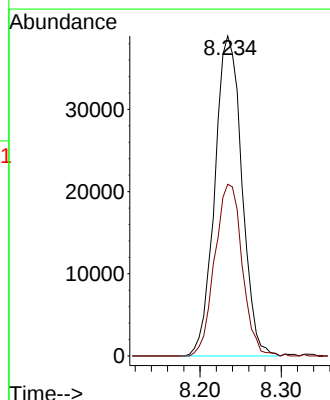
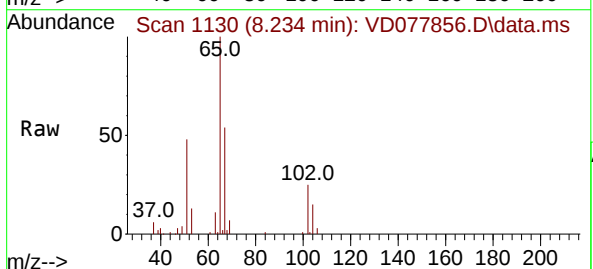
Instrument :
MSVOA_D
ClientSampleId :
SP-E3-GRAB

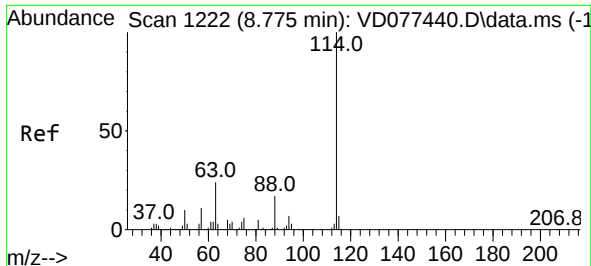
Tgt Ion:168 Resp: 198726
Ion Ratio Lower Upper
168 100
99 55.9 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 38.525 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

Tgt Ion: 65 Resp: 90213
Ion Ratio Lower Upper
65 100
67 54.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077856.D

Acq: 13 Dec 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :

SP-E3-GRAB

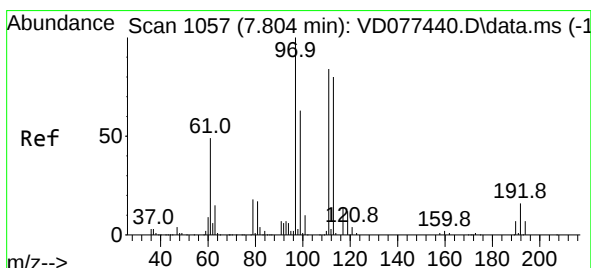
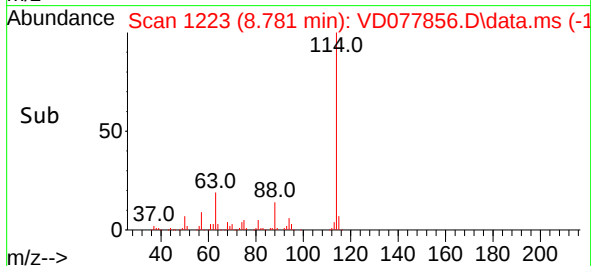
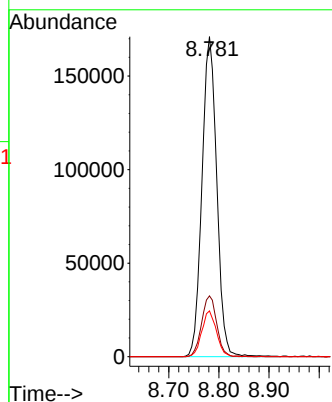
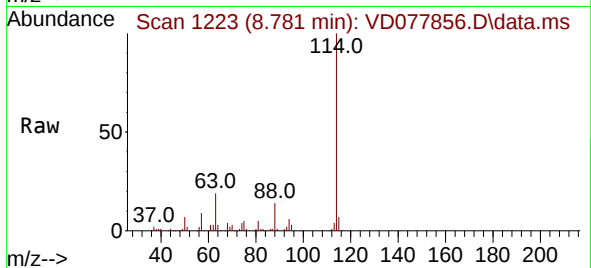
Tgt Ion:114 Resp: 350564

Ion Ratio Lower Upper

114 100

63 19.0 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.818 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077856.D

Acq: 13 Dec 2023 12:30

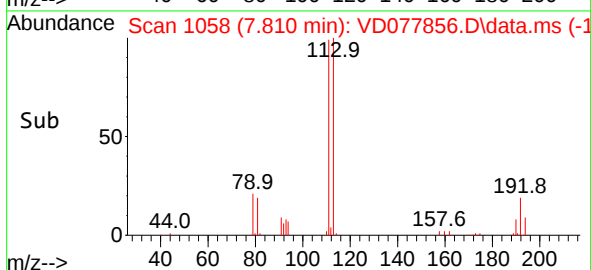
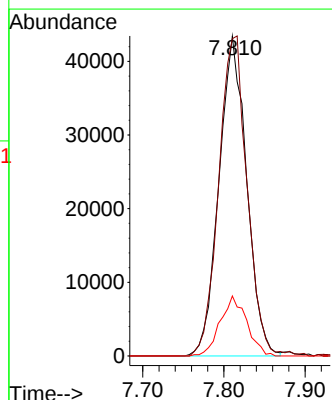
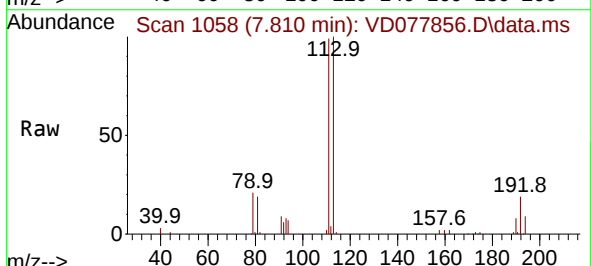
Tgt Ion:113 Resp: 102688

Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 18.1 16.8 25.2

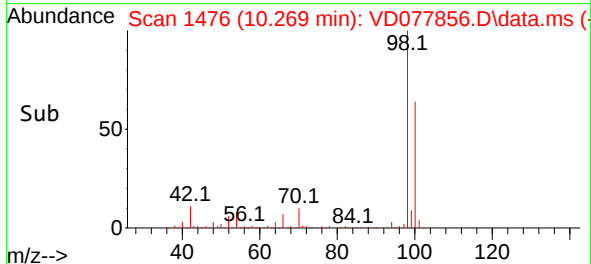
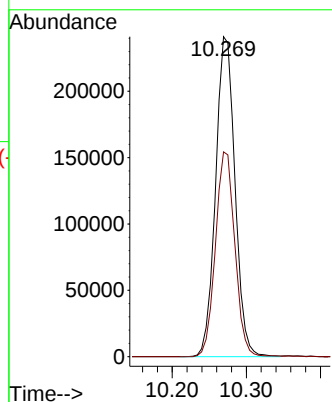
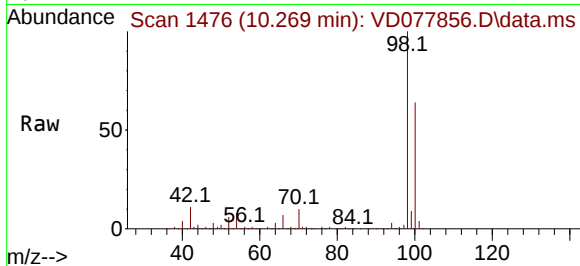




#50
Toluene-d8
Concen: 44.582 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

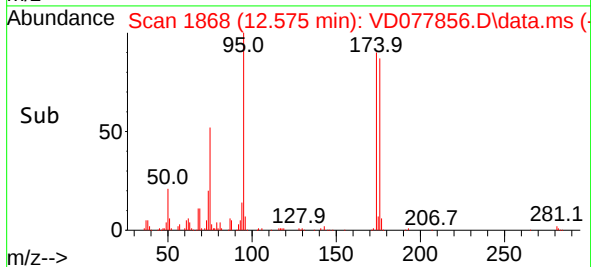
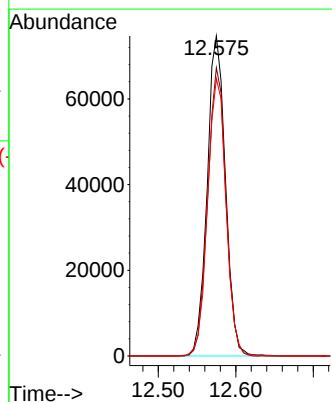
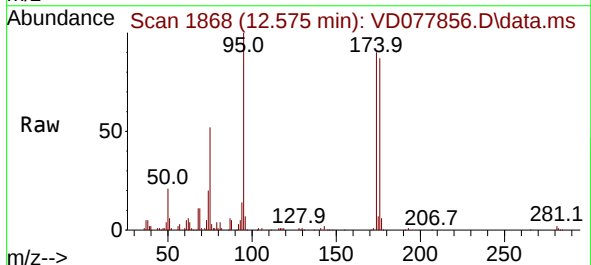
Instrument :
MSVOA_D
ClientSampleId :
SP-E3-GRAB

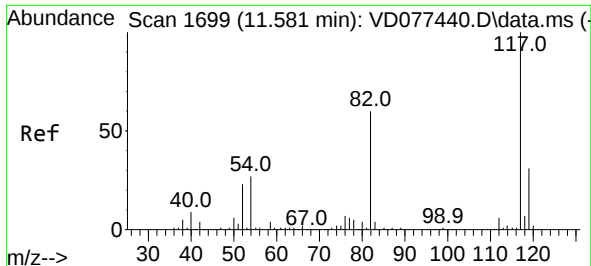
Tgt Ion: 98 Resp: 438459
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.685 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

Tgt Ion: 95 Resp: 122571
Ion Ratio Lower Upper
95 100
174 89.8 0.0 201.8
176 87.4 0.0 191.8

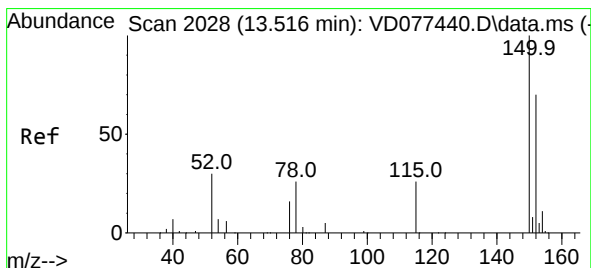
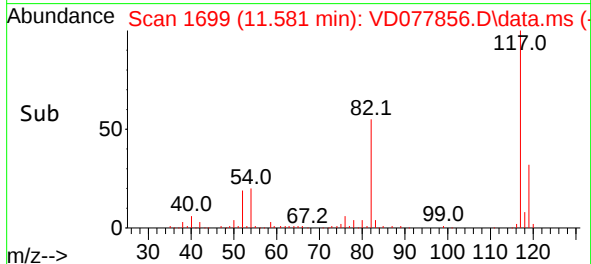
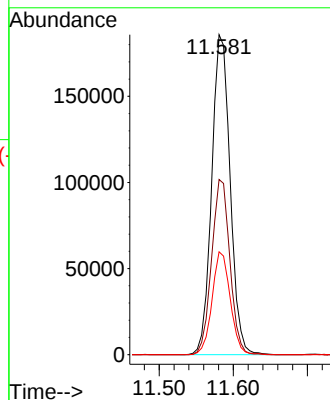
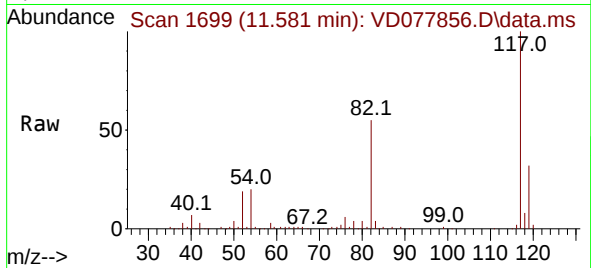




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077856.D
Acq: 13 Dec 2023 12:30

Instrument :
MSVOA_D
ClientSampleId :
SP-E3-GRAB

Tgt Ion:117 Resp: 320460
Ion Ratio Lower Upper
117 100
82 54.7 38.3 57.5
119 32.2 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: VD077856.D
Acq: 13 Dec 2023 12:30

Tgt Ion:152 Resp: 136725
Ion Ratio Lower Upper
152 100
115 56.1 27.1 81.3
150 158.1 0.0 353.6

