

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077903.D
 Acq On : 15 Dec 2023 15:02
 Operator : RP/MD
 Sample : 05833-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 351

Quant Time: Dec 16 04:02:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	9102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	15824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	15023	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	6217	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	5693	53.080	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.160%
35) Dibromofluoromethane	7.805	113	5263	47.482	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.960%
50) Toluene-d8	10.269	98	19208	43.267	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.540%
62) 4-Bromofluorobenzene	12.581	95	6286	47.361	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.720%

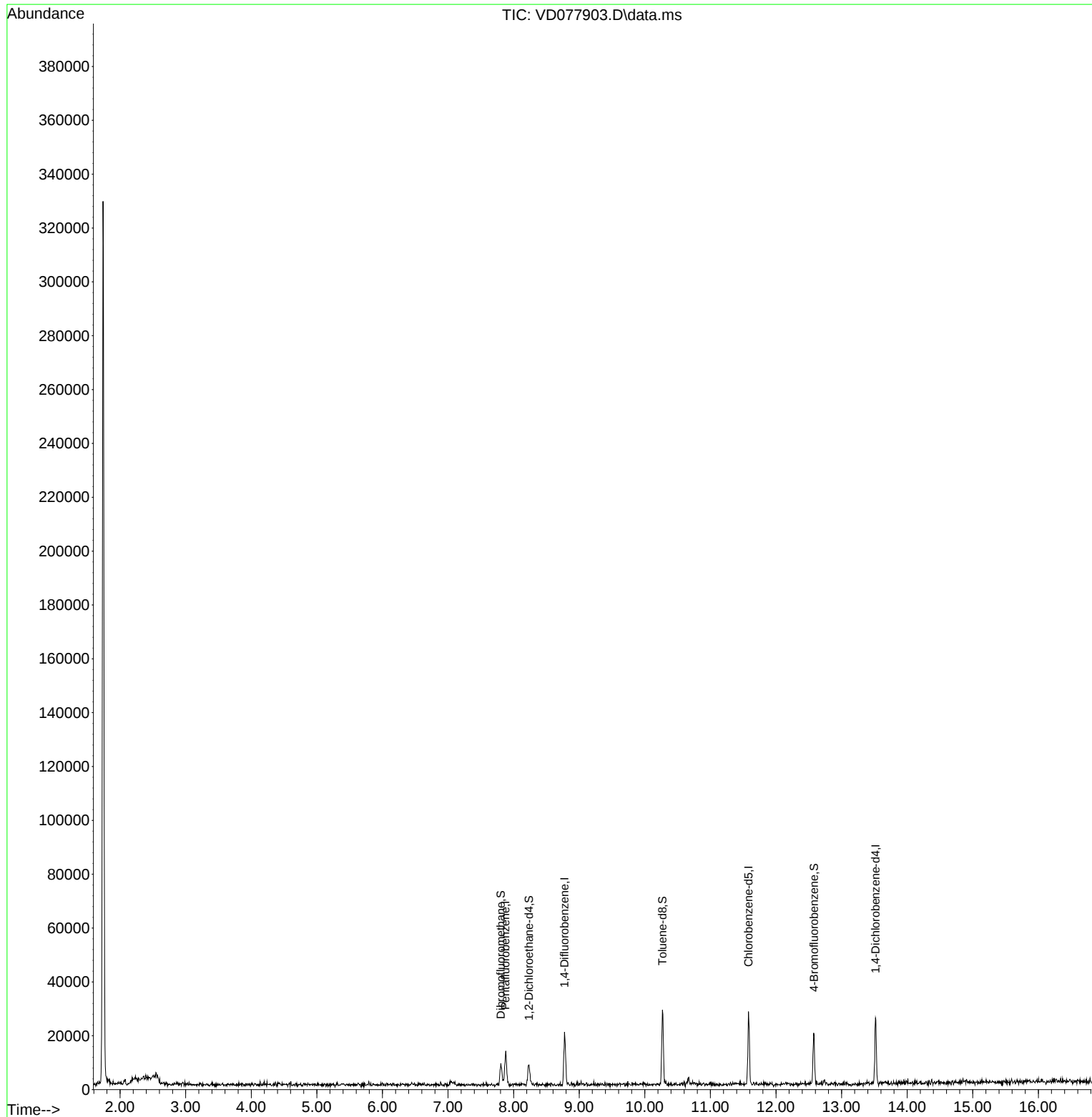
Target Compounds	Qvalue

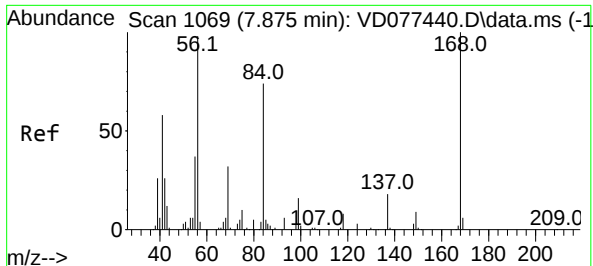
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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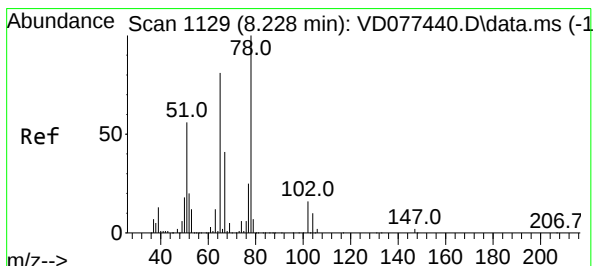
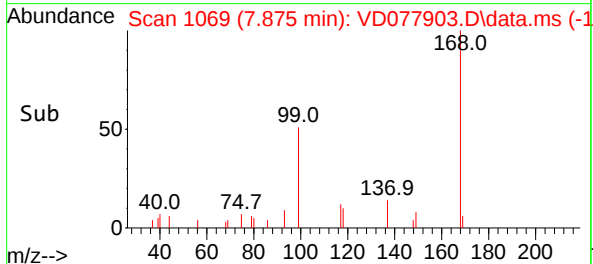
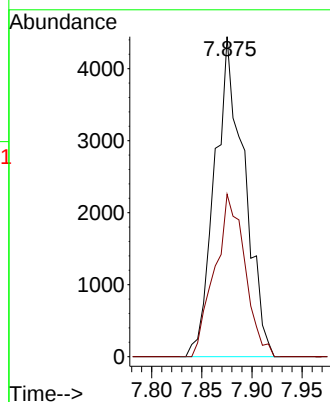
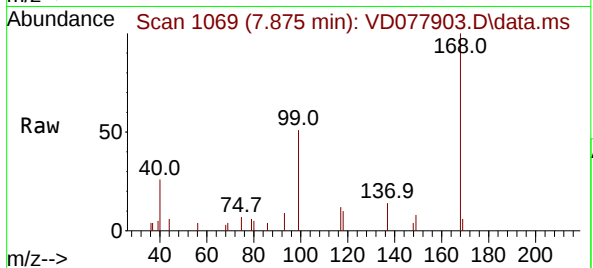




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

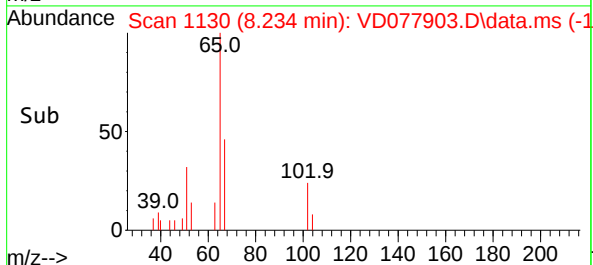
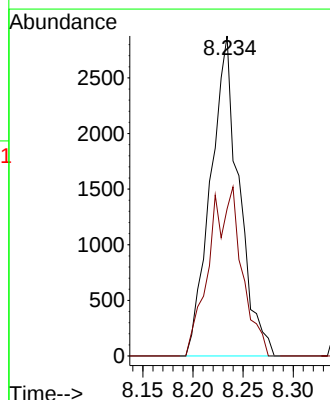
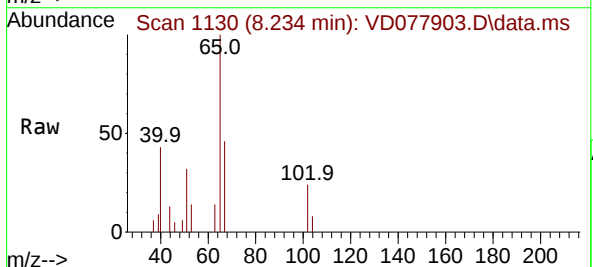
Instrument :
MSVOA_D
ClientSampleId :
351

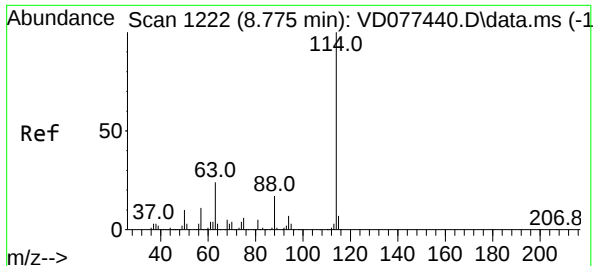
Tgt Ion:168 Resp: 9102
Ion Ratio Lower Upper
168 100
99 50.7 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 53.080 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Tgt Ion: 65 Resp: 5693
Ion Ratio Lower Upper
65 100
67 60.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077903.D

Acq: 15 Dec 2023 15:02

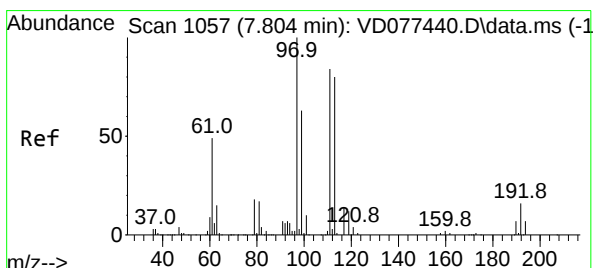
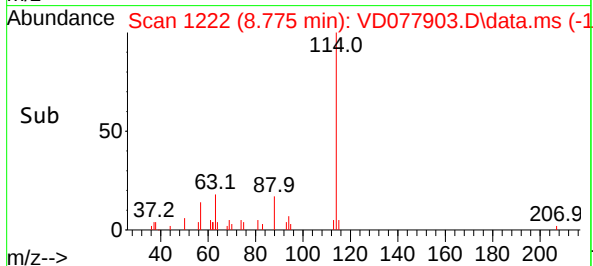
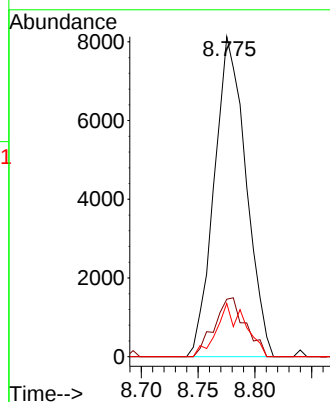
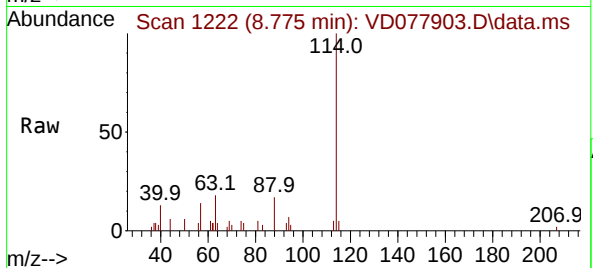
Instrument :

MSVOA_D

ClientSampleId :

351

Tgt Ion:114	Resp:	15824
Ion	Ratio	Lower Upper
114	100	
63	18.0	0.0 33.4
88	16.7	0.0 26.2



#35

Dibromofluoromethane

Concen: 47.482 ug/l

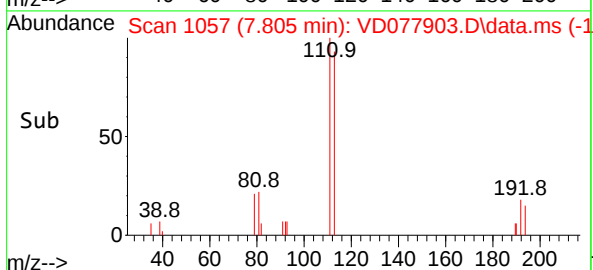
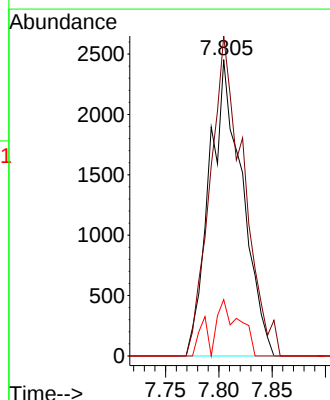
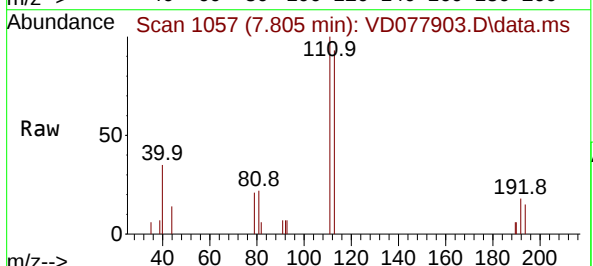
RT: 7.805 min Scan# 1057

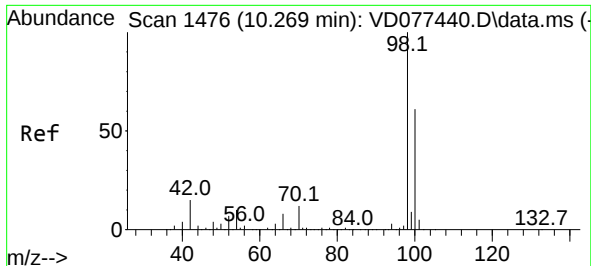
Delta R.T. 0.001 min

Lab File: VD077903.D

Acq: 15 Dec 2023 15:02

Tgt Ion:113	Resp:	5263
Ion	Ratio	Lower Upper
113	100	
111	109.7	84.7 127.1
192	12.7	16.8 25.2

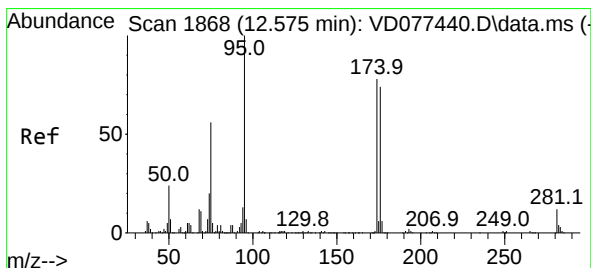
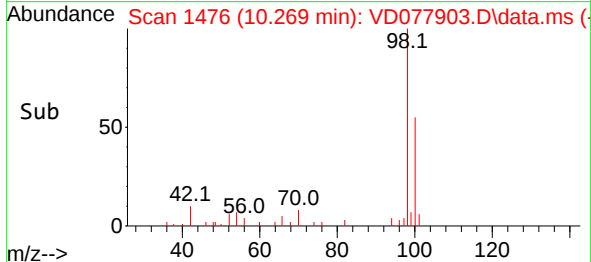
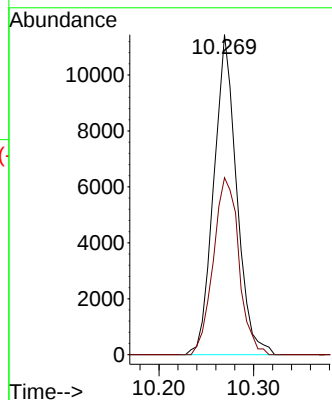
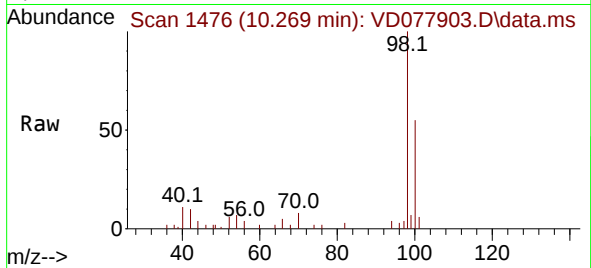




#50
Toluene-d8
Concen: 43.267 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

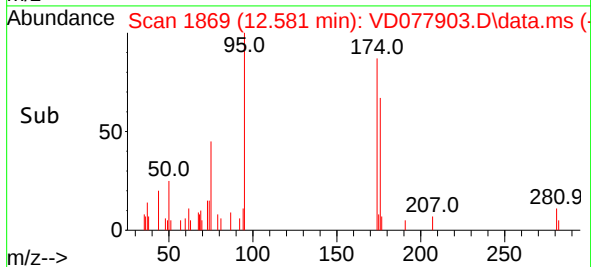
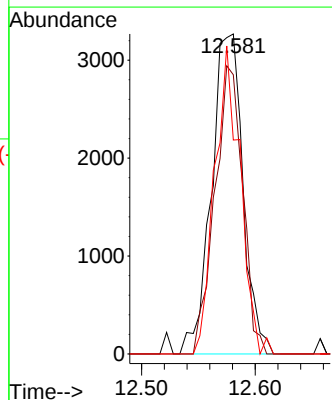
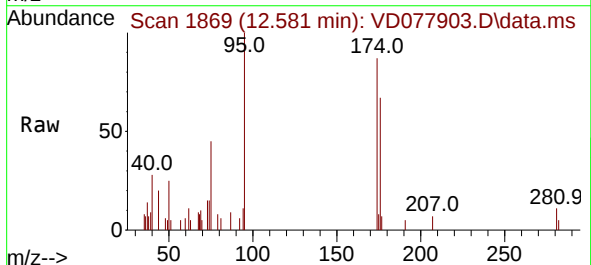
Instrument :
MSVOA_D
ClientSampleId :
351

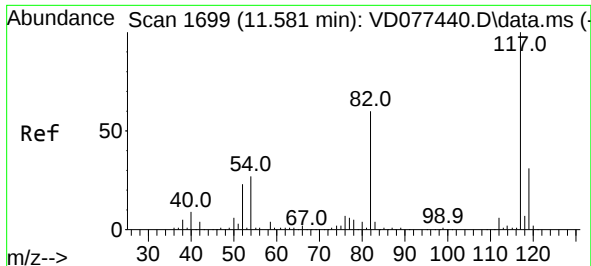
Tgt Ion: 98 Resp: 19208
Ion Ratio Lower Upper
98 100
100 61.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.361 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Tgt Ion: 95 Resp: 6286
Ion Ratio Lower Upper
95 100
174 79.8 0.0 201.8
176 78.1 0.0 191.8

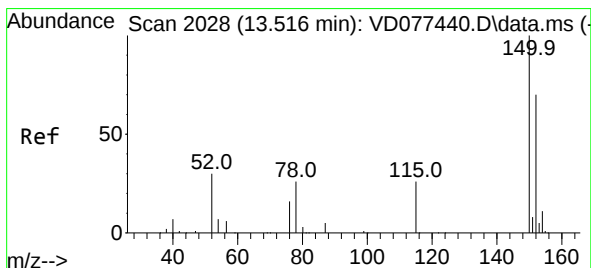
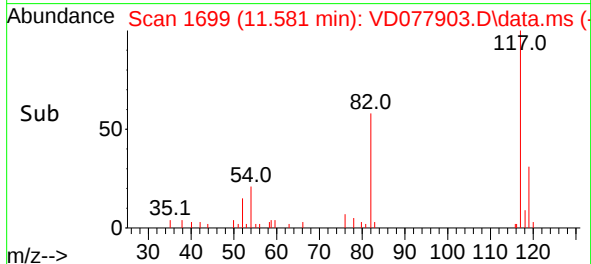
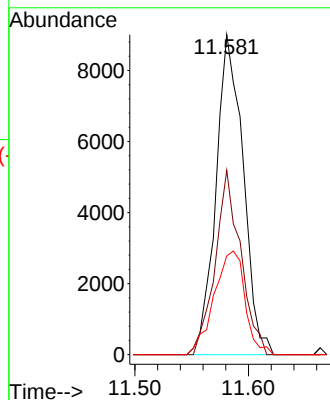
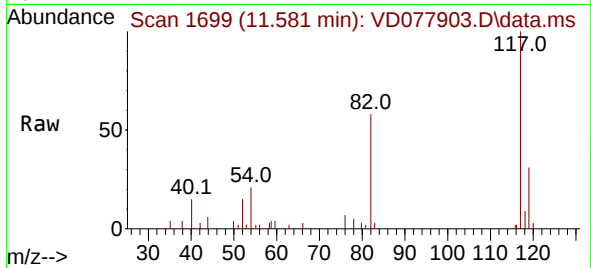




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Instrument :
MSVOA_D
ClientSampleId :
351

Tgt Ion:117 Resp: 15023
Ion Ratio Lower Upper
117 100
82 57.7 38.3 57.5#
119 30.9 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD077903.D
Acq: 15 Dec 2023 15:02

Tgt Ion:152 Resp: 6217
Ion Ratio Lower Upper
152 100
115 57.7 27.1 81.3
150 166.2 0.0 353.6

