

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077910.D
 Acq On : 15 Dec 2023 18:12
 Operator : RP/MD
 Sample : 05803-01
 Misc : 4.09G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 600572408-

Quant Time: Dec 16 04:05:21 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	167350	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	303229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	287349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	127262	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	80087	40.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.220%
35) Dibromofluoromethane	7.805	113	92186	43.402	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.800%
50) Toluene-d8	10.269	98	391856	46.063	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.120%
62) 4-Bromofluorobenzene	12.575	95	111070	43.670	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.340%

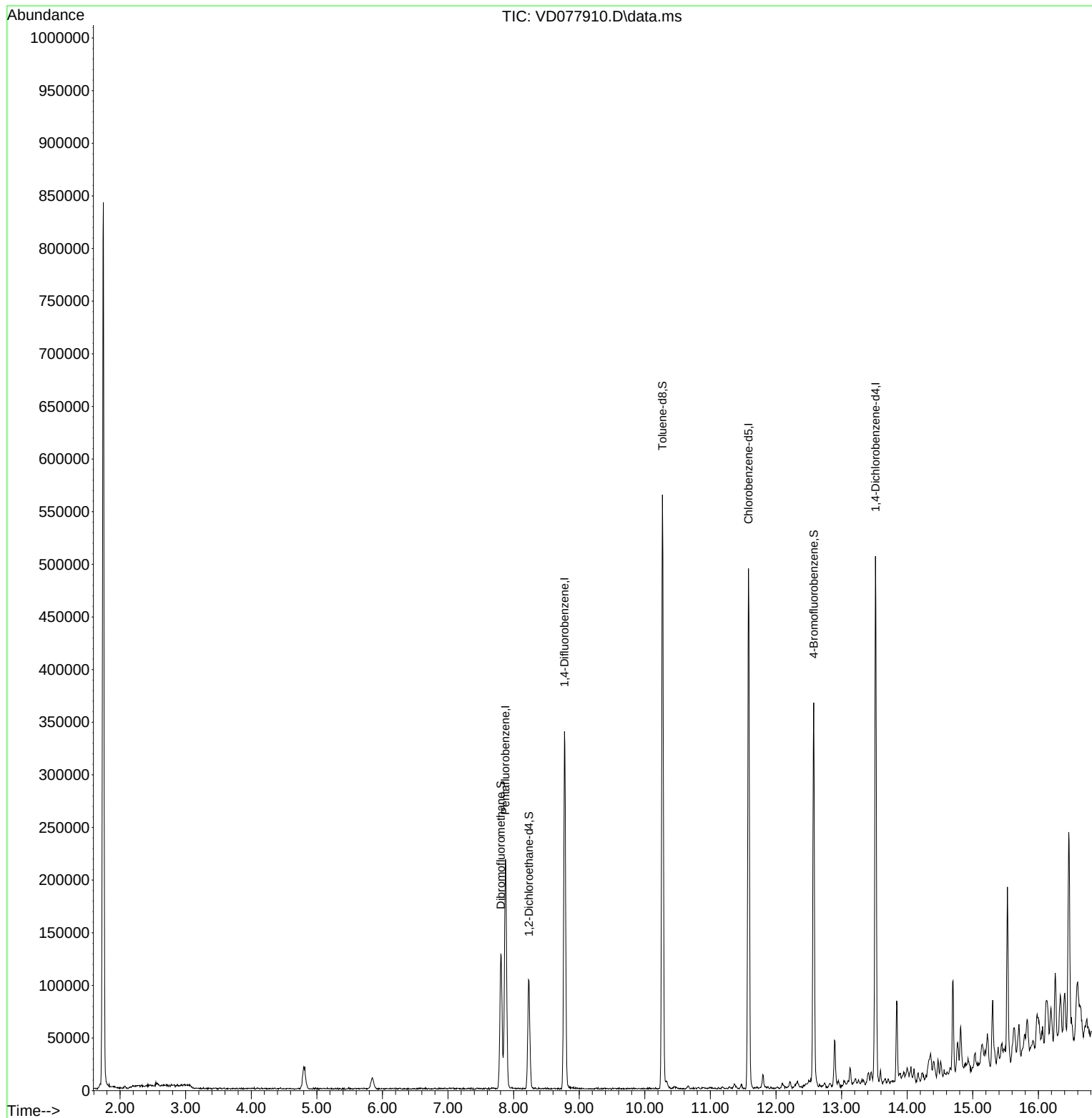
Target Compounds	Qvalue

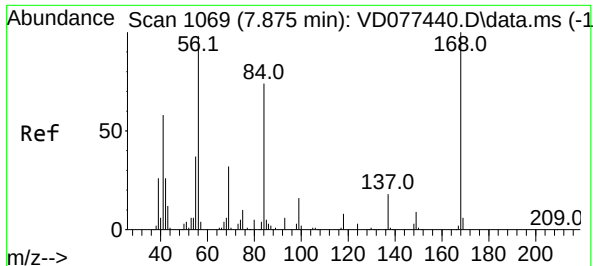
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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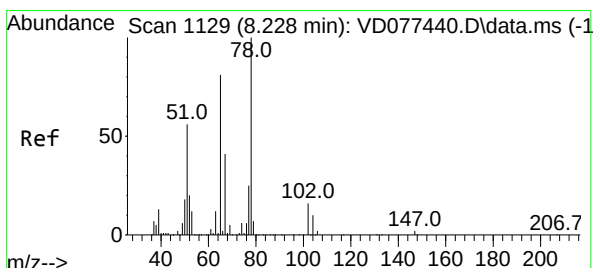
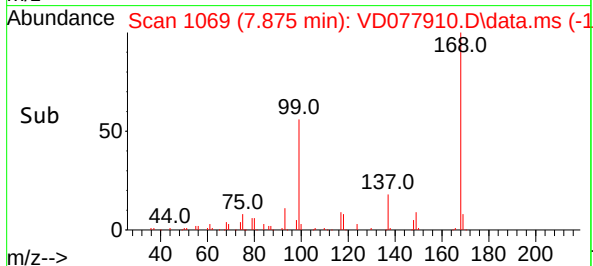
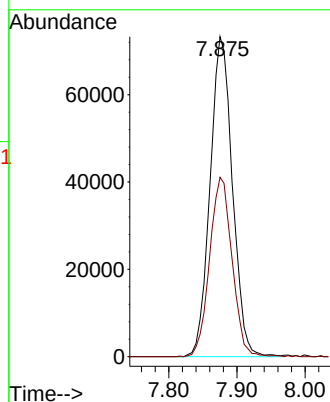
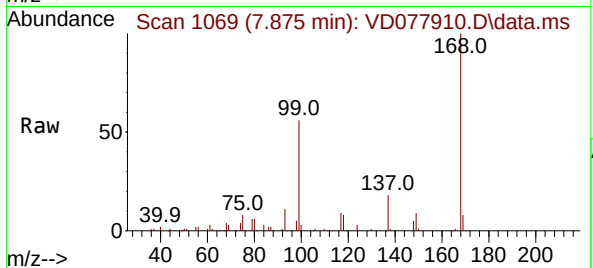




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD077910.D
Acq: 15 Dec 2023 18:12

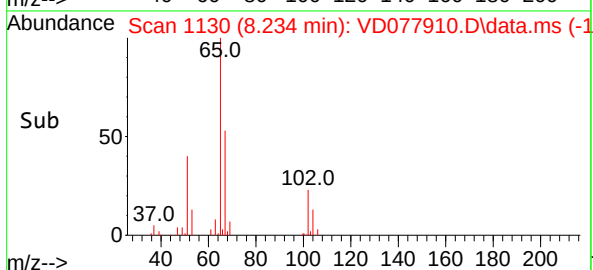
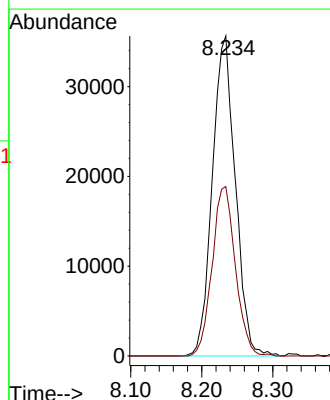
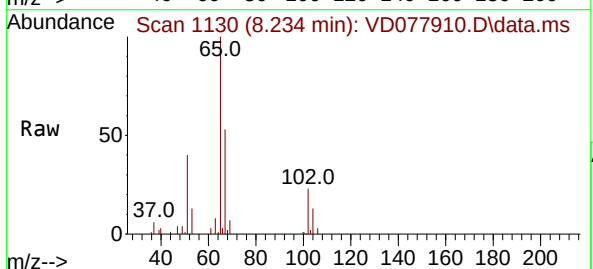
Instrument :
MSVOA_D
ClientSampleId :
600572408-

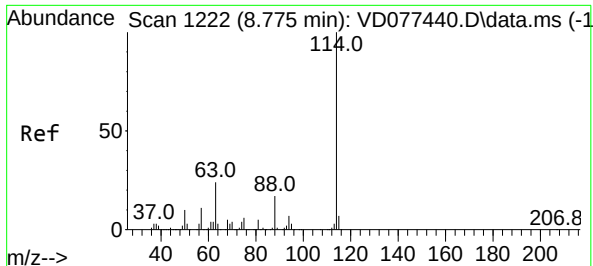
Tgt Ion:168 Resp: 167350
Ion Ratio Lower Upper
168 100
99 55.8 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 40.613 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077910.D
Acq: 15 Dec 2023 18:12

Tgt Ion: 65 Resp: 80087
Ion Ratio Lower Upper
65 100
67 53.6 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: VD077910.D

Acq: 15 Dec 2023 18:12

Instrument :

MSVOA_D

ClientSampleId :

600572408-

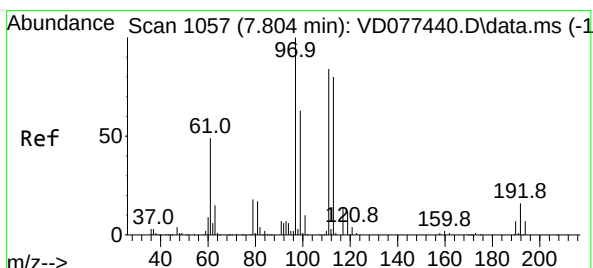
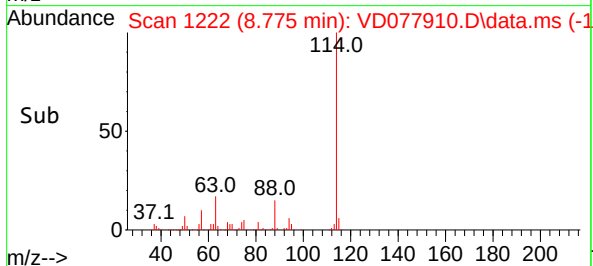
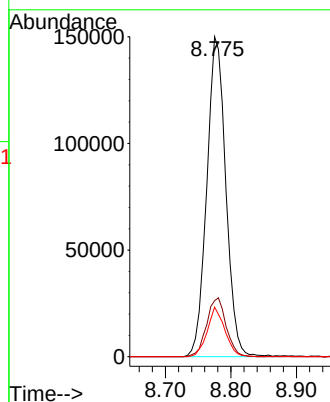
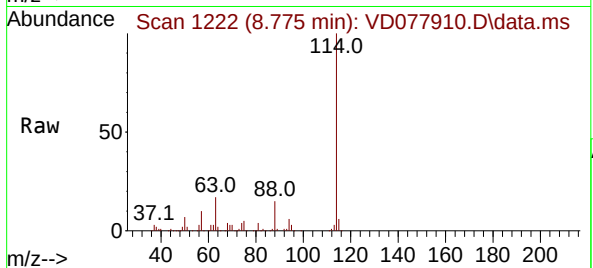
Tgt Ion:114 Resp: 303229

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 15.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.402 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077910.D

Acq: 15 Dec 2023 18:12

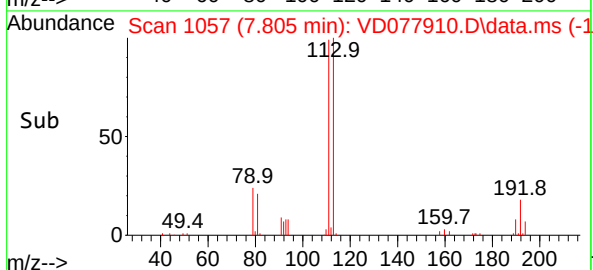
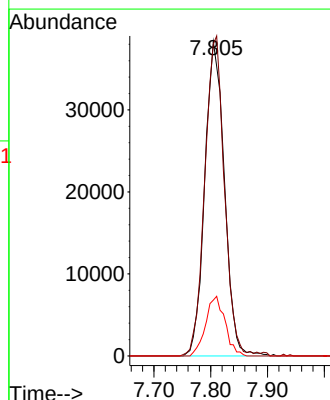
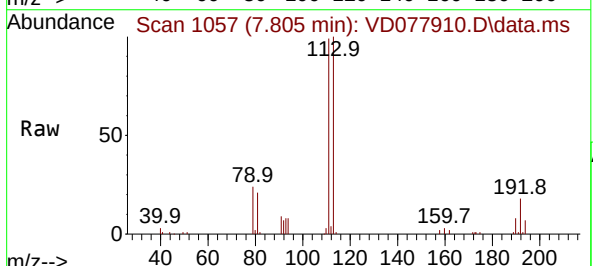
Tgt Ion:113 Resp: 92186

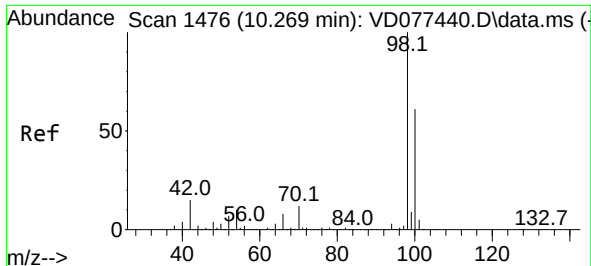
Ion Ratio Lower Upper

113 100

111 100.9 84.7 127.1

192 18.7 16.8 25.2

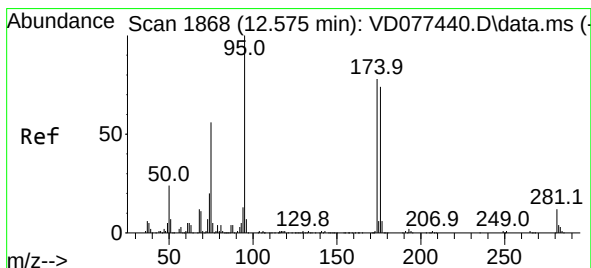
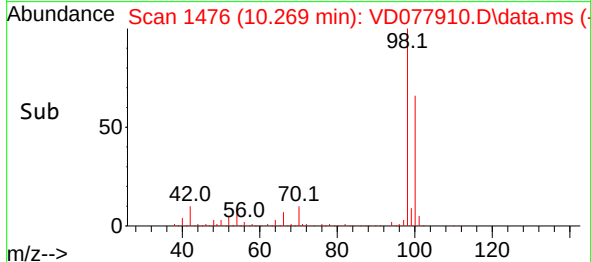
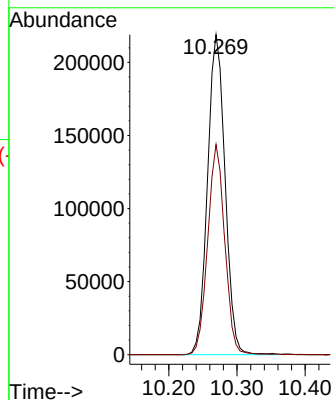
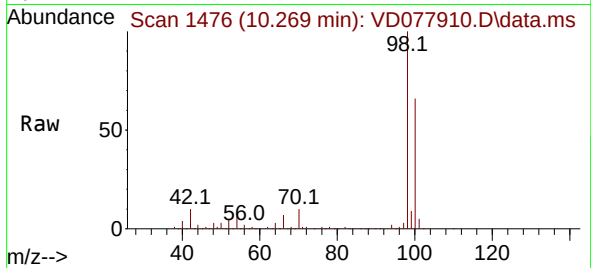




#50
Toluene-d8
Concen: 46.063 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077910.D
Acq: 15 Dec 2023 18:12

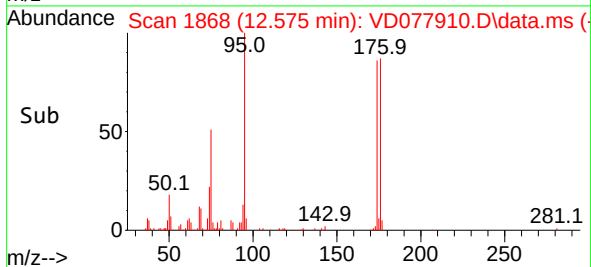
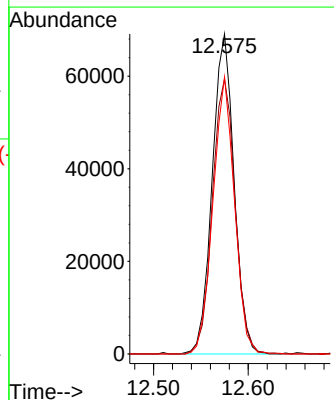
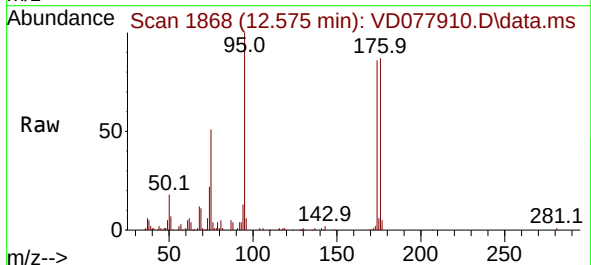
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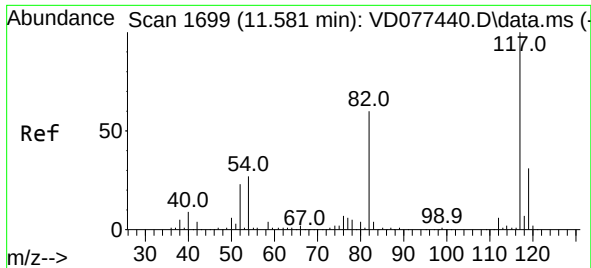
Tgt Ion: 98 Resp: 391856
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.670 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077910.D
Acq: 15 Dec 2023 18:12

Tgt Ion: 95 Resp: 111070
Ion Ratio Lower Upper
95 100
174 89.3 0.0 201.8
176 85.3 0.0 191.8

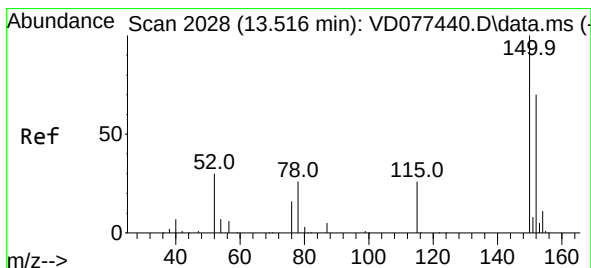
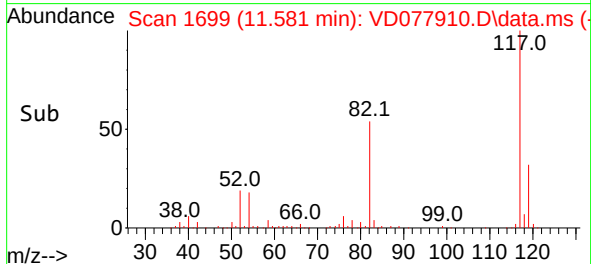
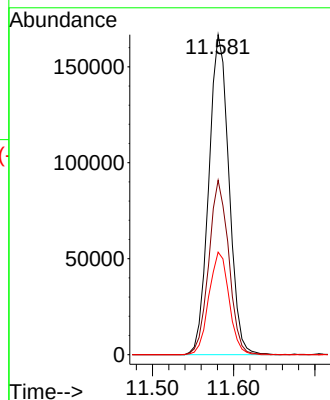
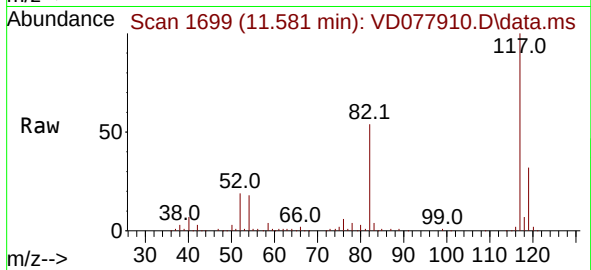




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077910.D
Acq: 15 Dec 2023 18:12

Instrument :
MSVOA_D
ClientSampleId :
600572408-

Tgt Ion:117 Resp: 287349
Ion Ratio Lower Upper
117 100
82 54.5 38.3 57.5
119 32.1 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: VD077910.D
Acq: 15 Dec 2023 18:12

Tgt Ion:152 Resp: 127262
Ion Ratio Lower Upper
152 100
115 55.4 27.1 81.3
150 157.1 0.0 353.6

