

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077870.D
 Acq On : 13 Dec 2023 18:46
 Operator : RP/MD
 Sample : 05611-05
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-5

Quant Time: Dec 14 01:56:08 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	188574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	333404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	308065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141260	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80652	36.296	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.600%
35) Dibromofluoromethane	7.810	113	96384	41.271	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.540%
50) Toluene-d8	10.269	98	424032	45.334	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.660%
62) 4-Bromofluorobenzene	12.575	95	113563	40.610	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.220%

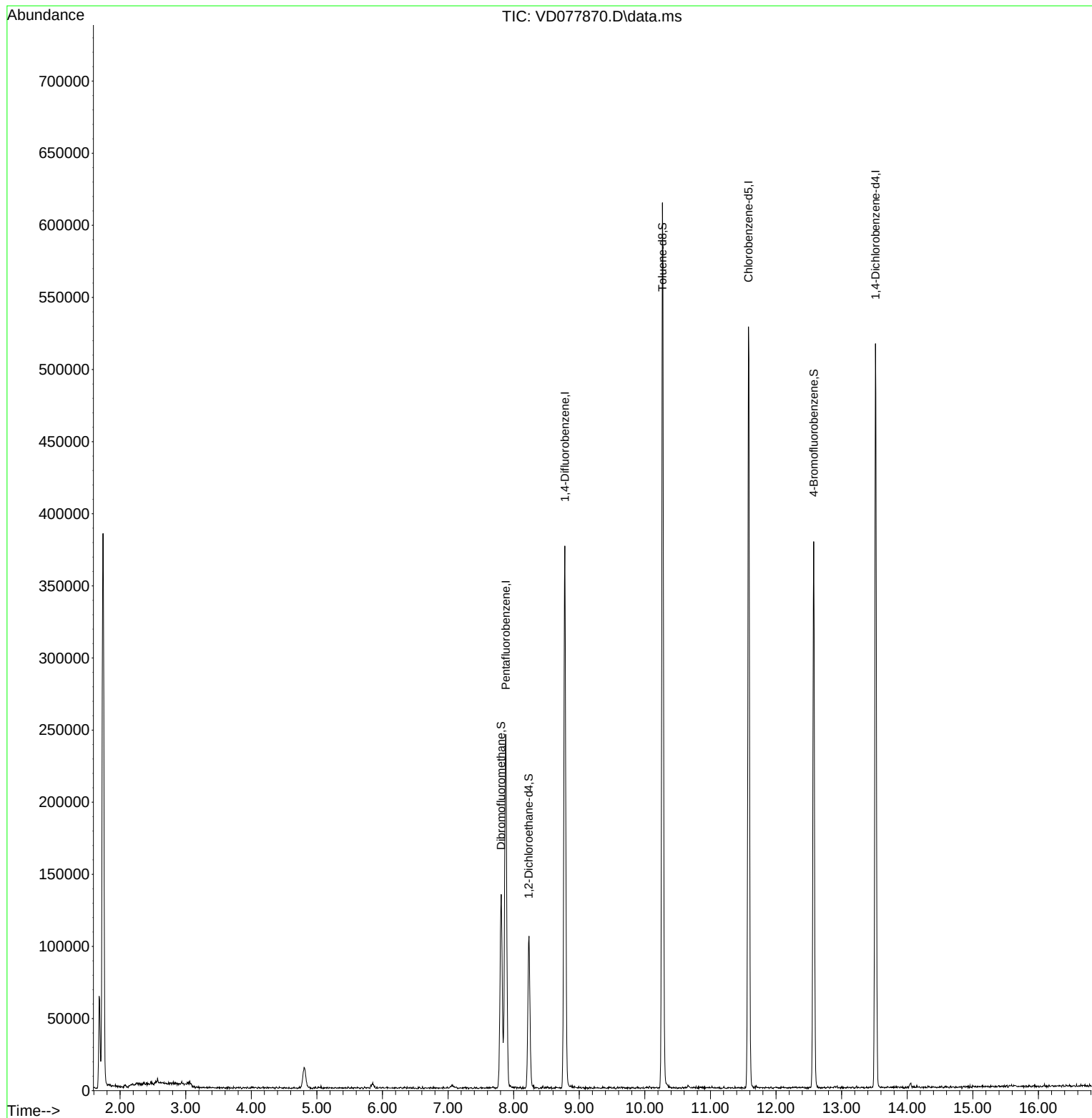
Target Compounds	Qvalue

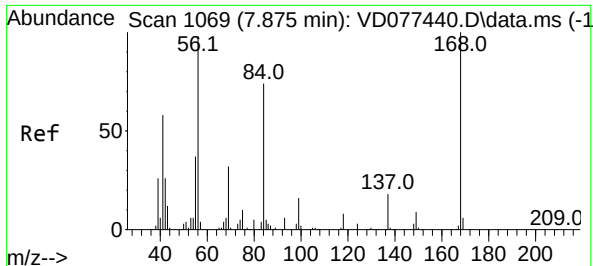
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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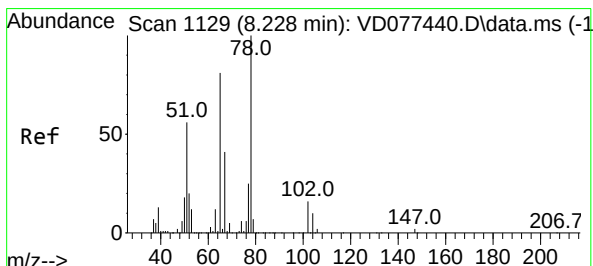
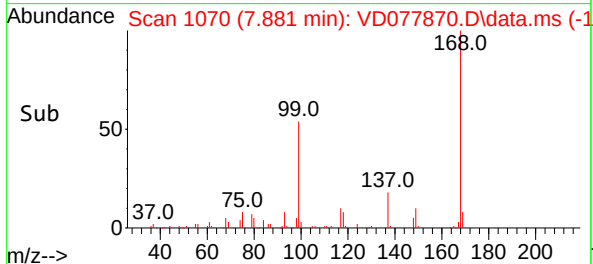
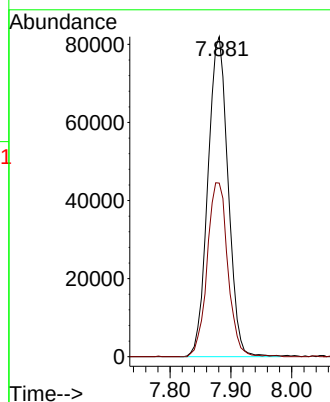
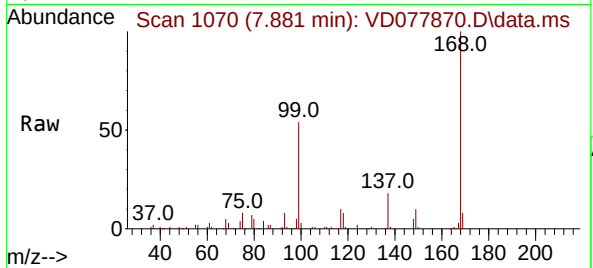




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

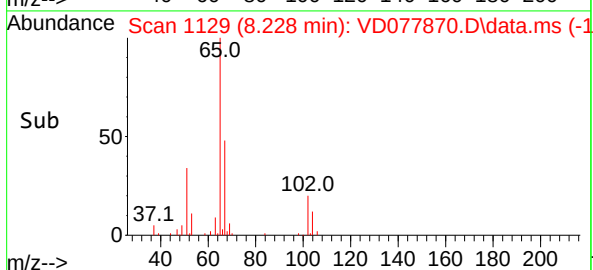
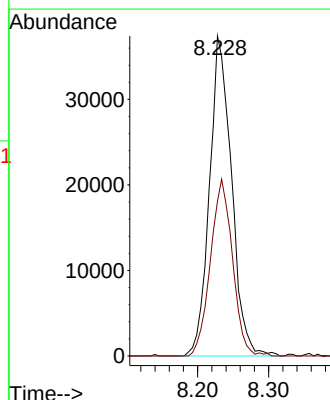
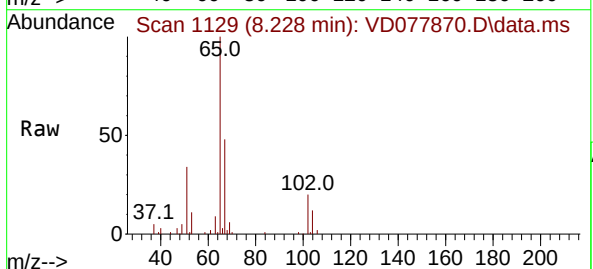
Instrument :
MSVOA_D
ClientSampleId :
PE-5

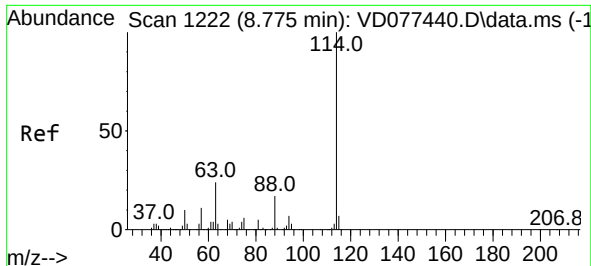
Tgt Ion:168 Resp: 188574
Ion Ratio Lower Upper
168 100
99 54.3 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 36.296 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

Tgt Ion: 65 Resp: 80652
Ion Ratio Lower Upper
65 100
67 55.2 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: VD077870.D

Acq: 13 Dec 2023 18:46

Instrument :

MSVOA_D

ClientSampleId :

PE-5

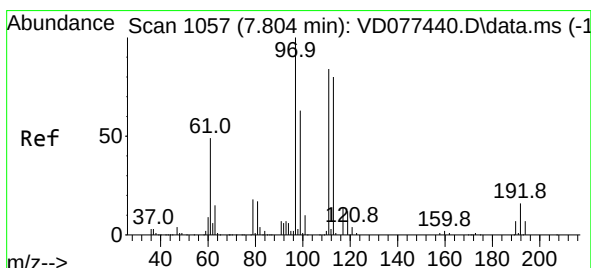
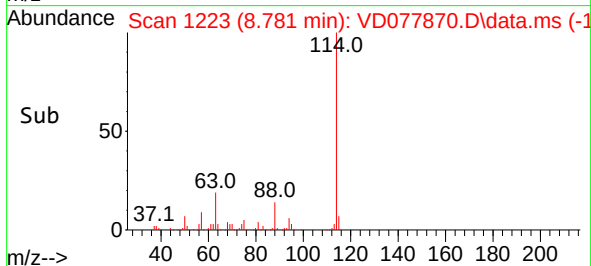
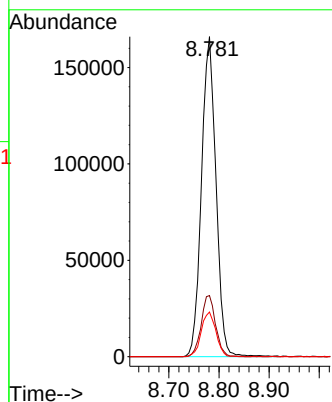
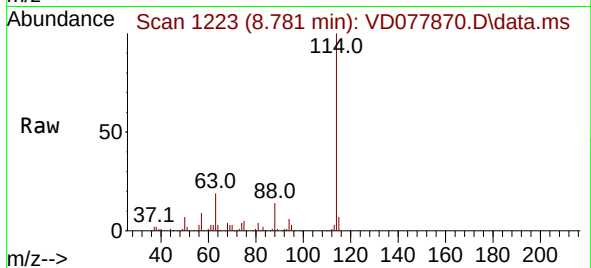
Tgt Ion:114 Resp: 333404

Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 14.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.271 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077870.D

Acq: 13 Dec 2023 18:46

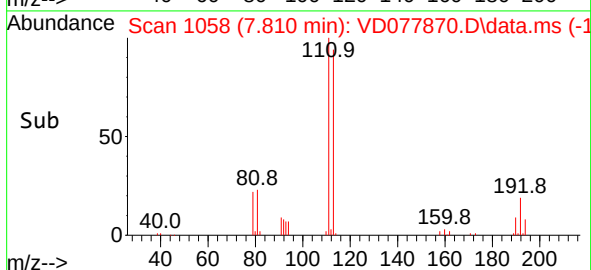
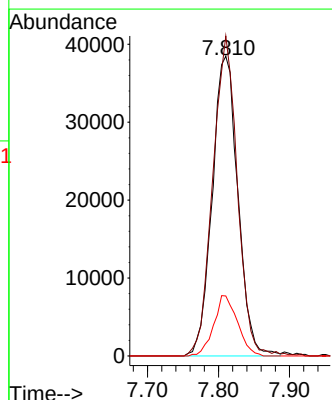
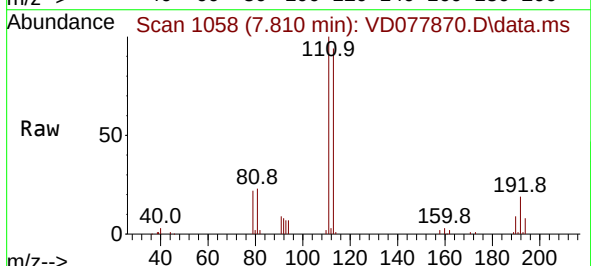
Tgt Ion:113 Resp: 96384

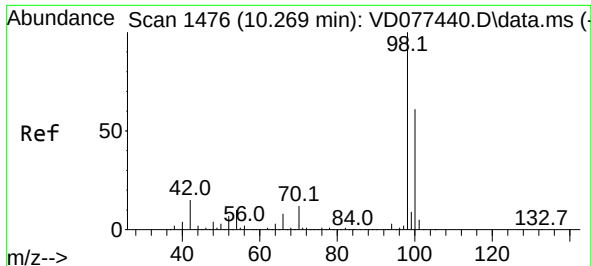
Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 18.6 16.8 25.2

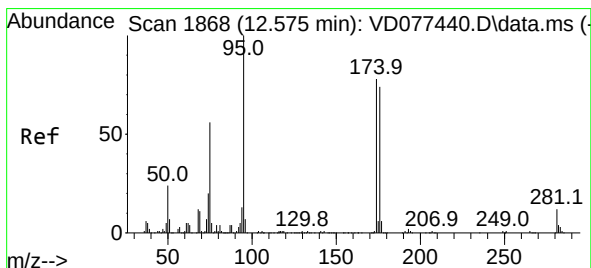
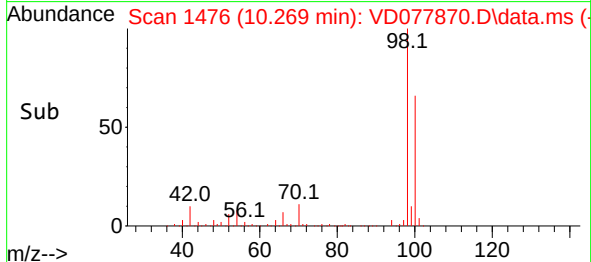
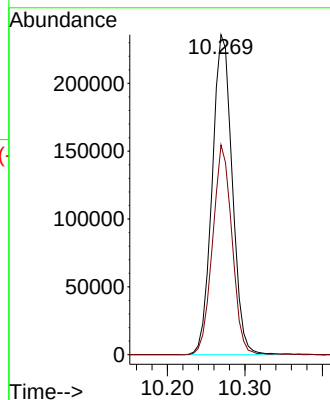
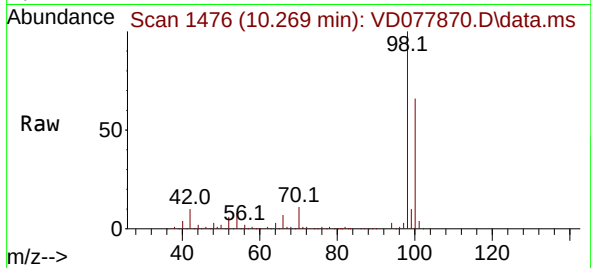




#50
Toluene-d8
Concen: 45.334 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

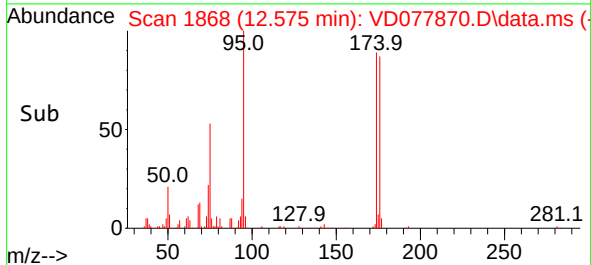
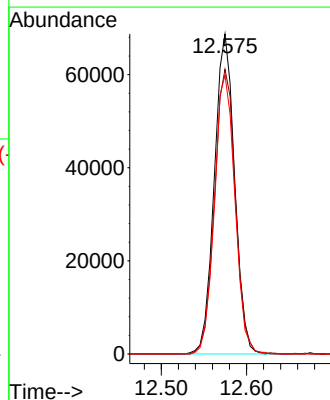
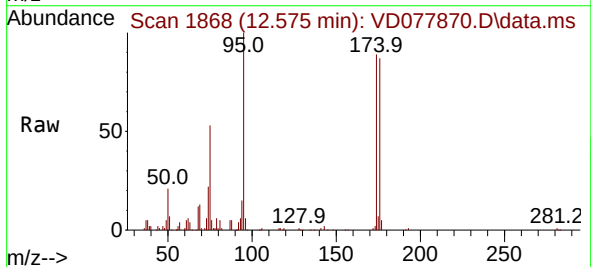
Instrument :
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PE-5

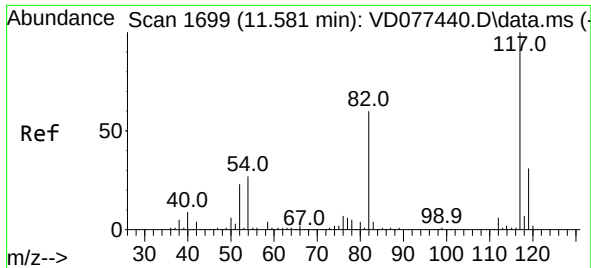
Tgt Ion: 98 Resp: 424032
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 40.610 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

Tgt Ion: 95 Resp: 113563
Ion Ratio Lower Upper
95 100
174 91.4 0.0 201.8
176 87.7 0.0 191.8

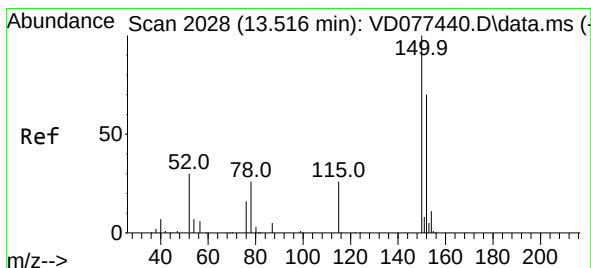
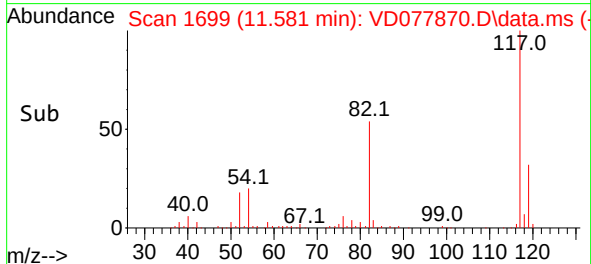
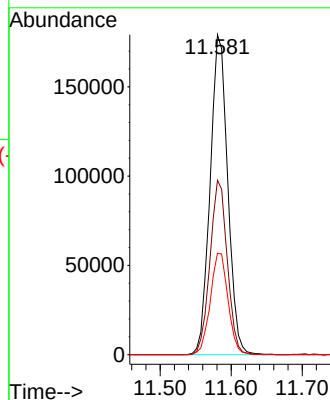
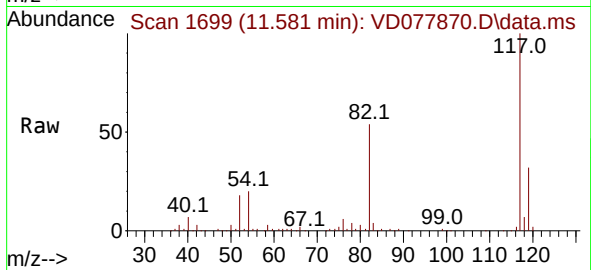




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

Instrument :
MSVOA_D
ClientSampleId :
PE-5

Tgt Ion:117 Resp: 308065
Ion Ratio Lower Upper
117 100
82 54.5 38.3 57.5
119 31.7 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: VD077870.D
Acq: 13 Dec 2023 18:46

Tgt Ion:152 Resp: 141260
Ion Ratio Lower Upper
152 100
115 54.3 27.1 81.3
150 153.5 0.0 353.6

