

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078072.D
 Acq On : 22 Dec 2023 18:56
 Operator : RP/MD
 Sample : 05879-13
 Misc : 1.42G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COM10

Quant Time: Dec 23 03:40:25 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	41247	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	71447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	73917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	34288	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	26987	55.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.040%
35) Dibromofluoromethane	7.810	113	25035	50.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.040%
50) Toluene-d8	10.269	98	88485	44.145	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.300%
62) 4-Bromofluorobenzene	12.575	95	28409	47.406	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.820%

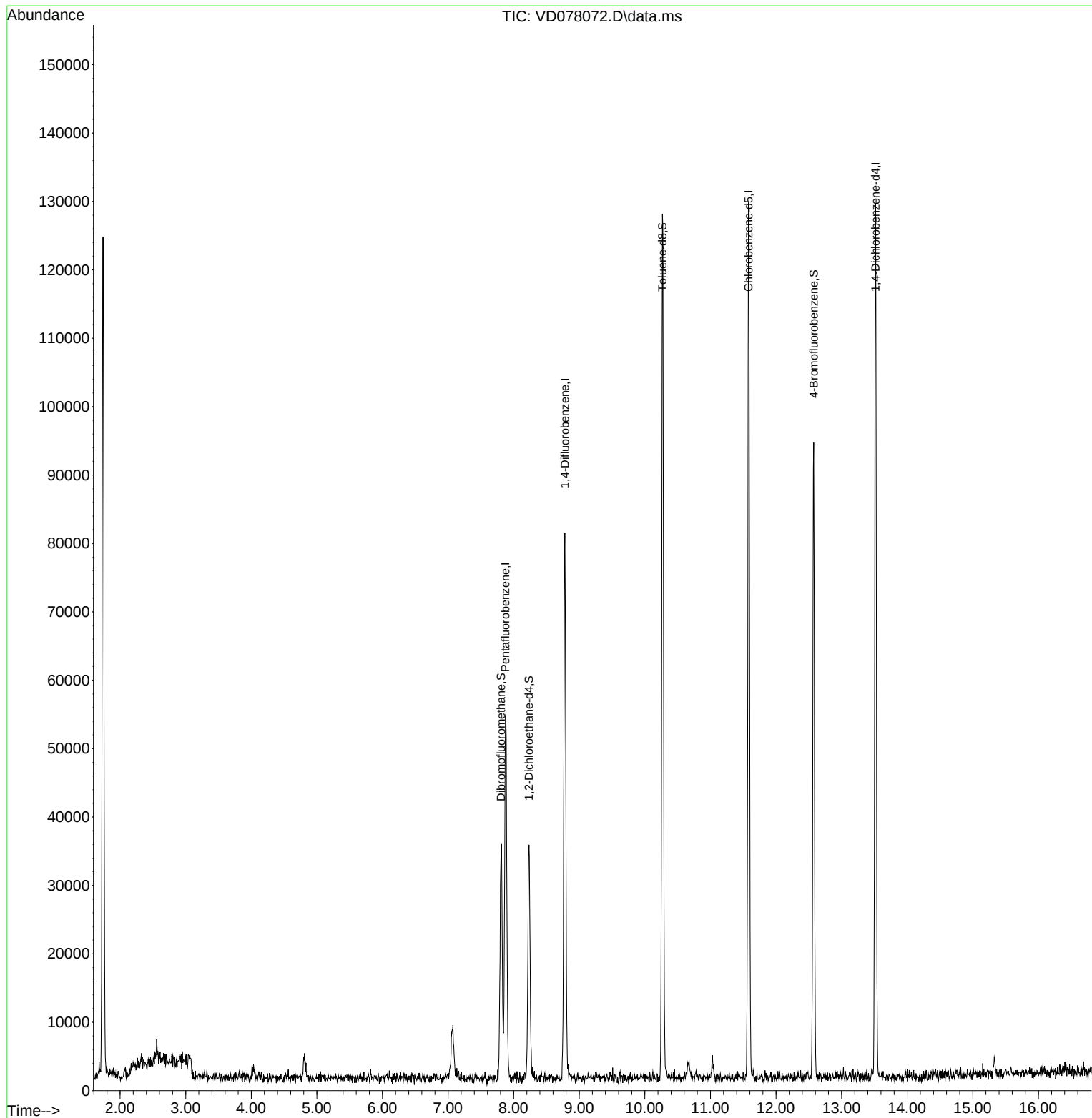
Target Compounds	Qvalue

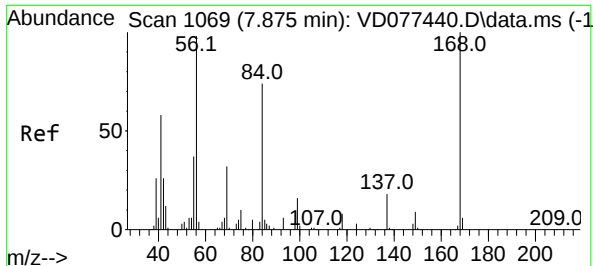
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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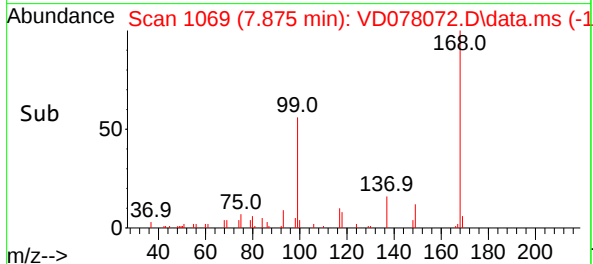
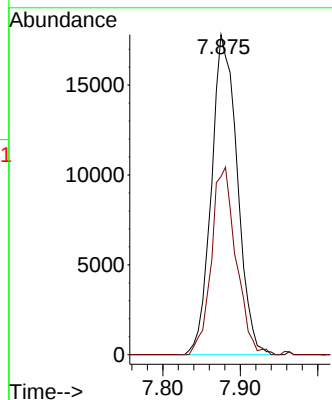
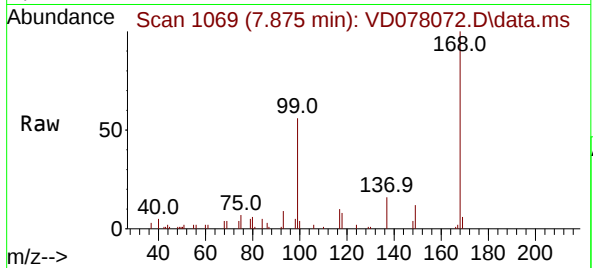




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

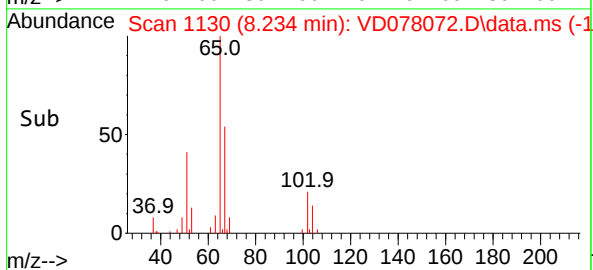
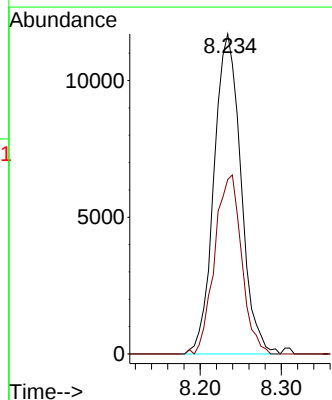
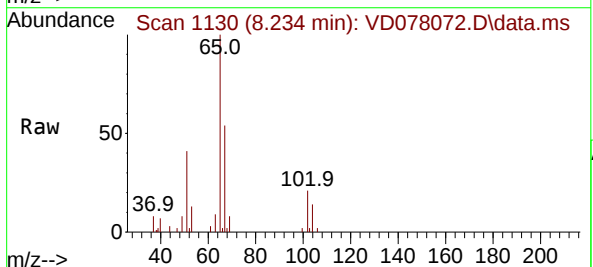
Instrument :
MSVOA_D
ClientSampleId :
COM10

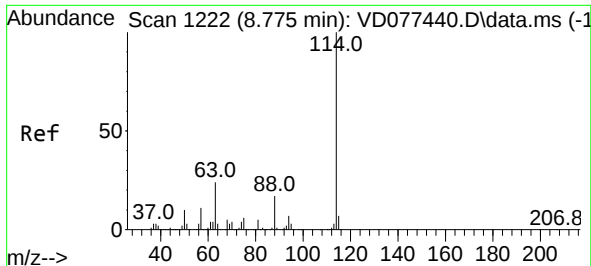
Tgt Ion:168 Resp: 41247
Ion Ratio Lower Upper
168 100
99 55.7 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 55.525 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

Tgt Ion: 65 Resp: 26987
Ion Ratio Lower Upper
65 100
67 56.0 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: VD078072.D

Acq: 22 Dec 2023 18:56

Instrument :

MSVOA_D

ClientSampleId :

COM10

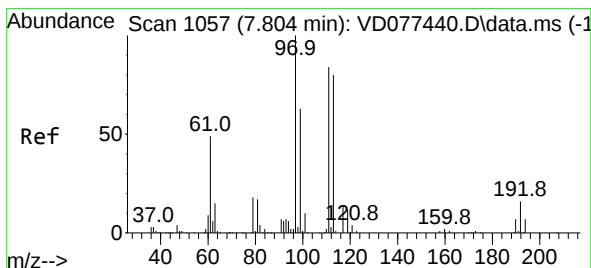
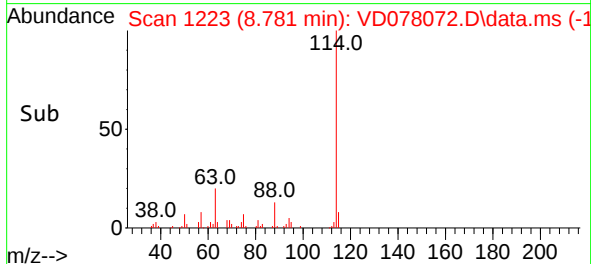
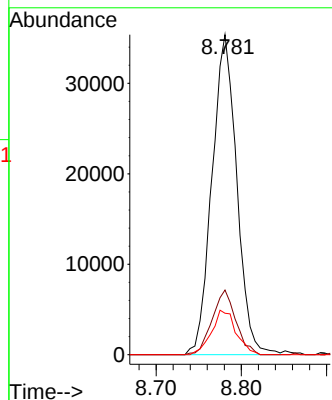
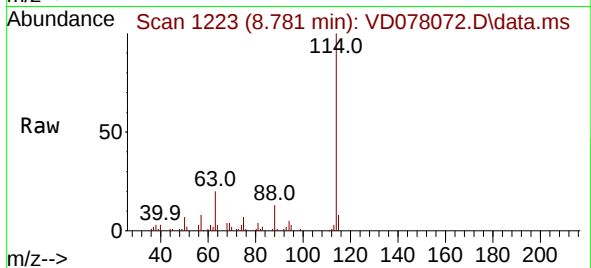
Tgt Ion:114 Resp: 71447

Ion Ratio Lower Upper

114 100

63 20.2 0.0 33.4

88 12.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 50.024 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078072.D

Acq: 22 Dec 2023 18:56

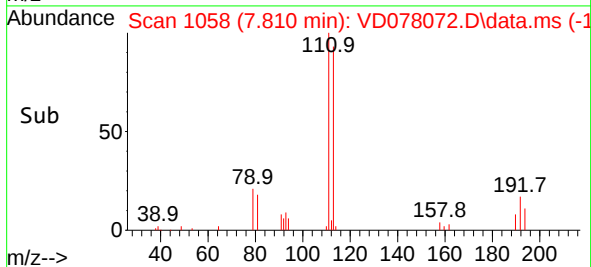
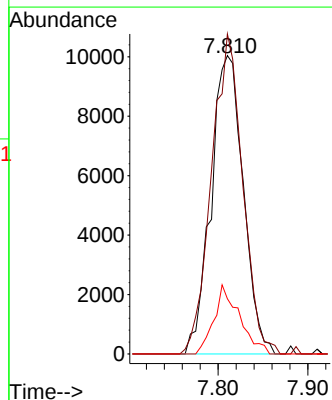
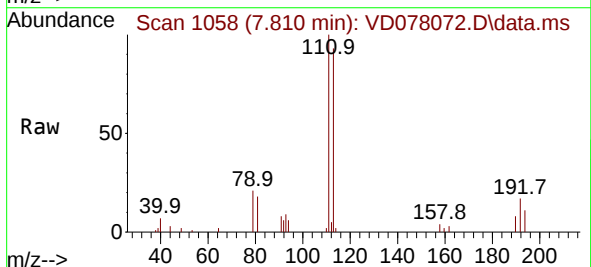
Tgt Ion:113 Resp: 25035

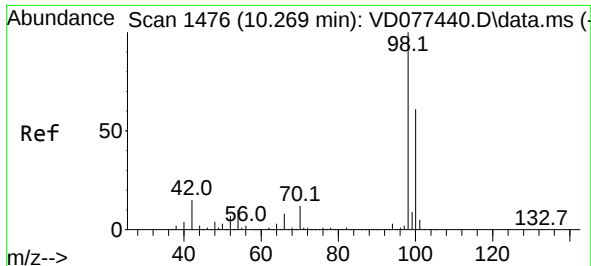
Ion Ratio Lower Upper

113 100

111 103.6 84.7 127.1

192 18.3 16.8 25.2

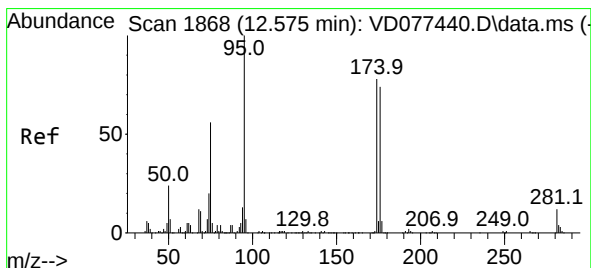
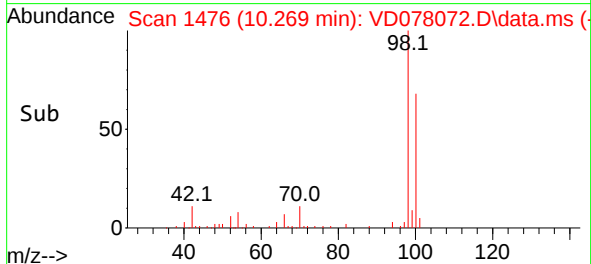
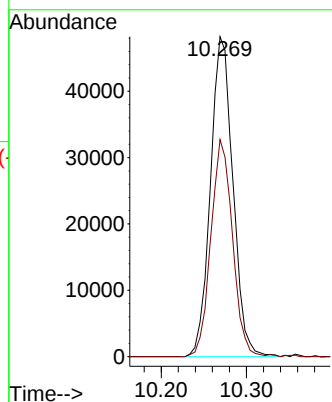
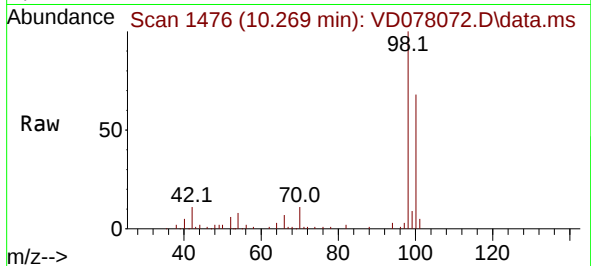




#50
Toluene-d8
Concen: 44.145 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

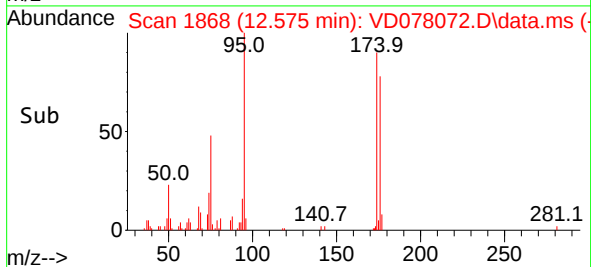
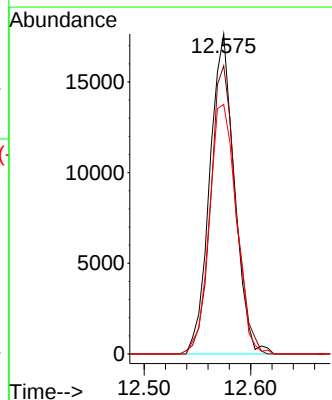
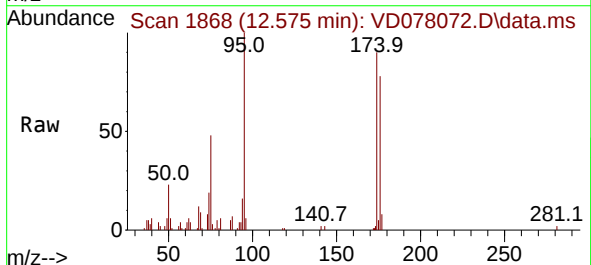
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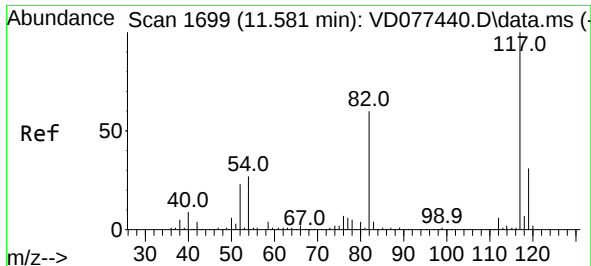
Tgt Ion: 98 Resp: 88485
Ion Ratio Lower Upper
98 100
100 65.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.406 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

Tgt Ion: 95 Resp: 28409
Ion Ratio Lower Upper
95 100
174 91.2 0.0 201.8
176 85.3 0.0 191.8

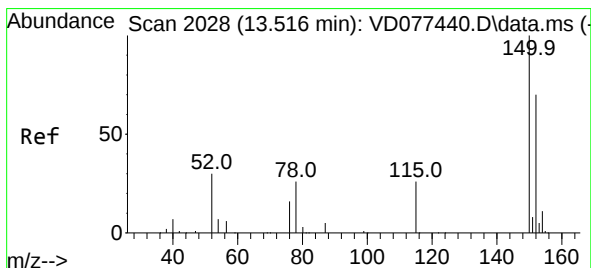
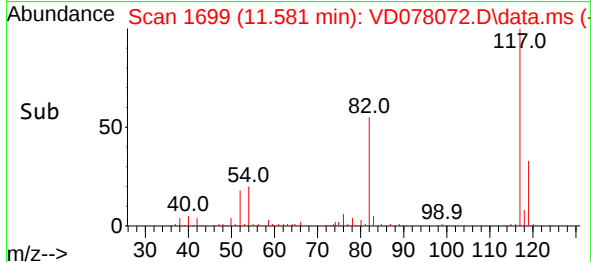
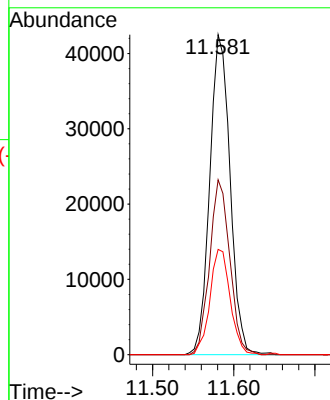
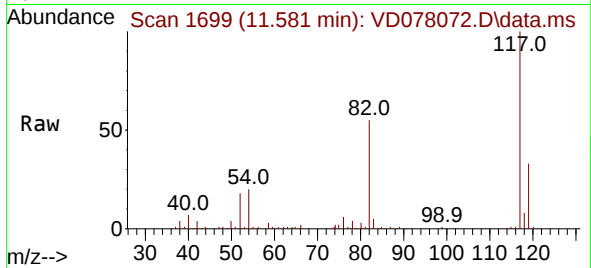




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

Instrument :
MSVOA_D
ClientSampleId :
COM10

Tgt Ion:117 Resp: 73917
Ion Ratio Lower Upper
117 100
82 54.6 38.3 57.5
119 32.9 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: VD078072.D
Acq: 22 Dec 2023 18:56

Tgt Ion:152 Resp: 34288
Ion Ratio Lower Upper
152 100
115 52.5 27.1 81.3
150 161.4 0.0 353.6

