

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078015.D
 Acq On : 21 Dec 2023 02:13
 Operator : RP/MD
 Sample : 05876-05
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COLW9

Quant Time: Dec 21 05:34:19 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	7.881	168	172234	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	308387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	290022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	121370	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76561	37.724	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.440%
35) Dibromofluoromethane	7.810	113	90826	42.046	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.100%
50) Toluene-d8	10.275	98	390887	45.181	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.360%
62) 4-Bromofluorobenzene	12.574	95	109477	42.324	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.640%

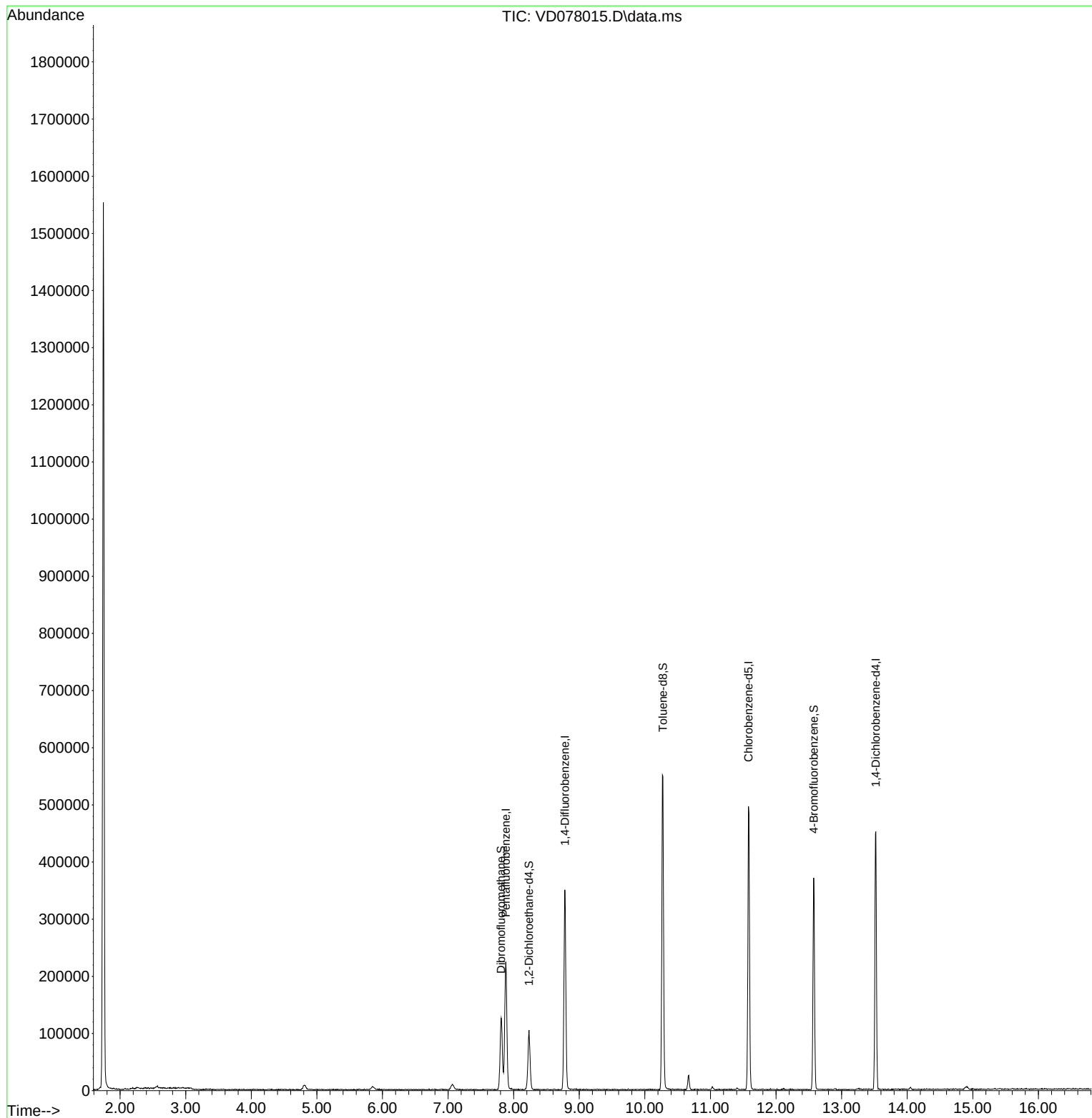
Target Compounds	Qvalue

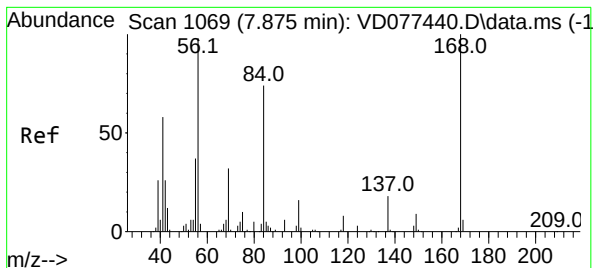
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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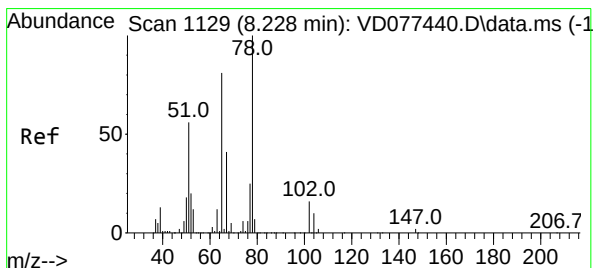
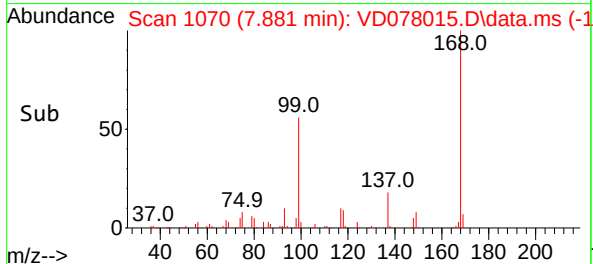
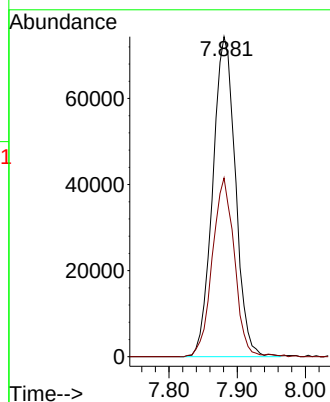
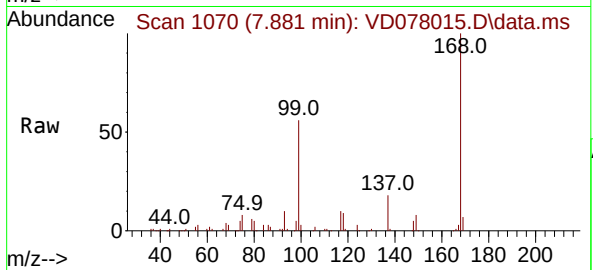




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

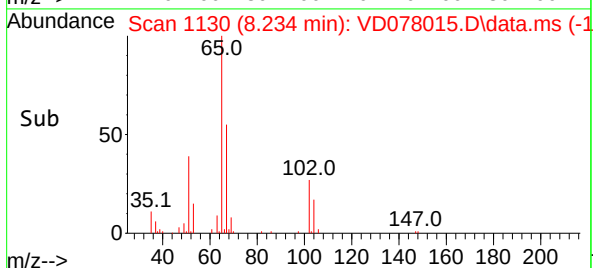
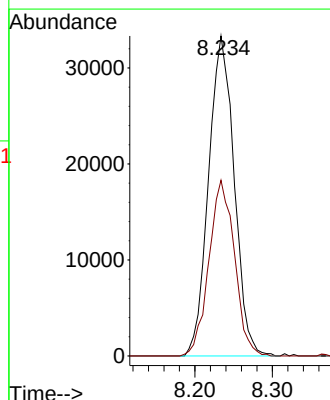
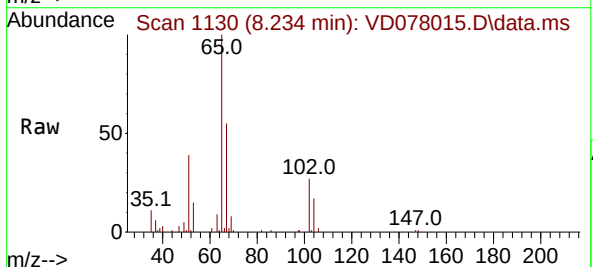
Instrument :
MSVOA_D
ClientSampleId :
COLW9

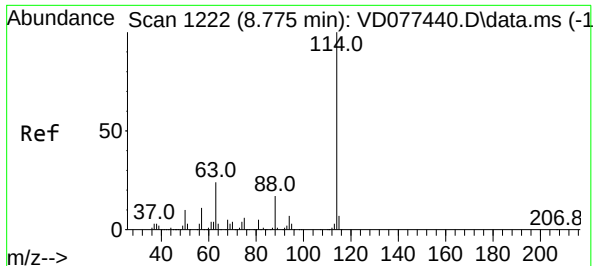
Tgt Ion:168 Resp: 172234
Ion Ratio Lower Upper
168 100
99 55.8 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 37.724 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

Tgt Ion: 65 Resp: 76561
Ion Ratio Lower Upper
65 100
67 54.8 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: VD078015.D

Acq: 21 Dec 2023 02:13

Instrument :

MSVOA_D

ClientSampleId :

COLW9

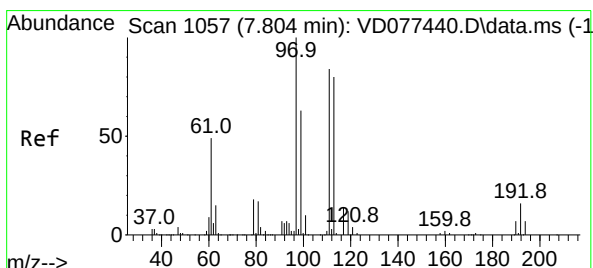
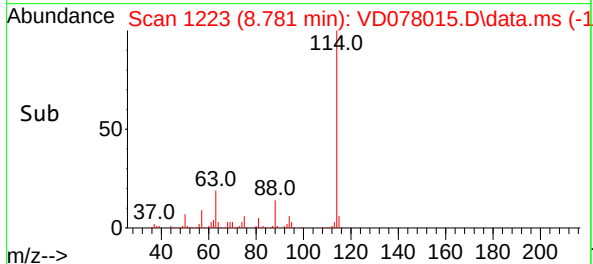
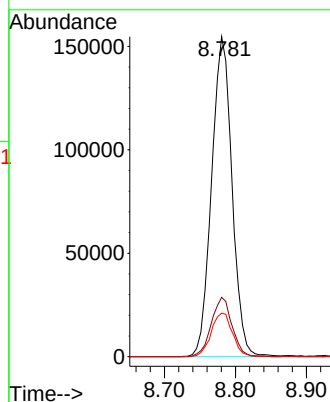
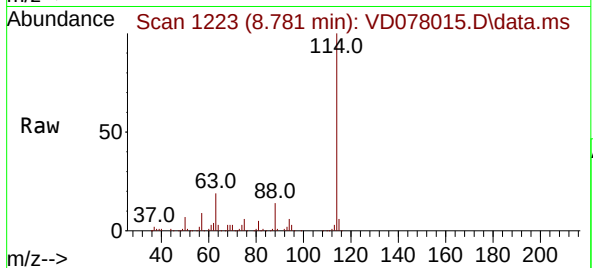
Tgt Ion:114 Resp: 308387

Ion Ratio Lower Upper

114 100

63 18.6 0.0 33.4

88 13.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.046 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078015.D

Acq: 21 Dec 2023 02:13

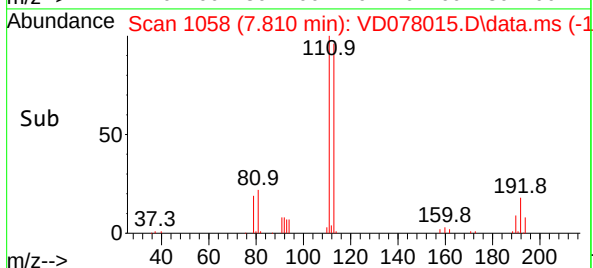
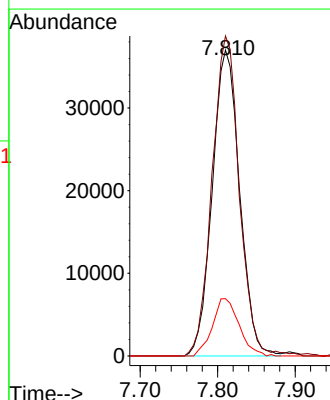
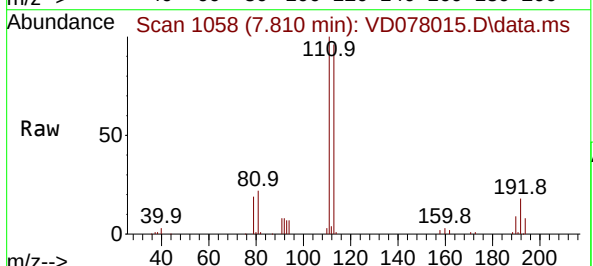
Tgt Ion:113 Resp: 90826

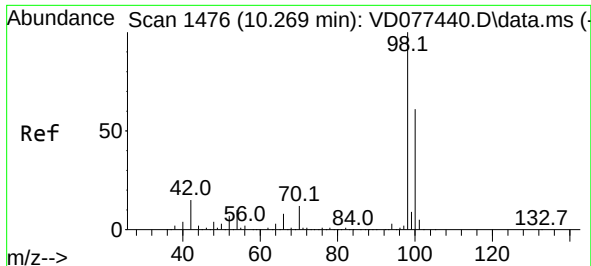
Ion Ratio Lower Upper

113 100

111 104.2 84.7 127.1

192 18.3 16.8 25.2

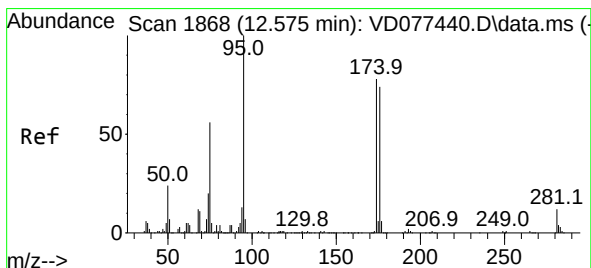
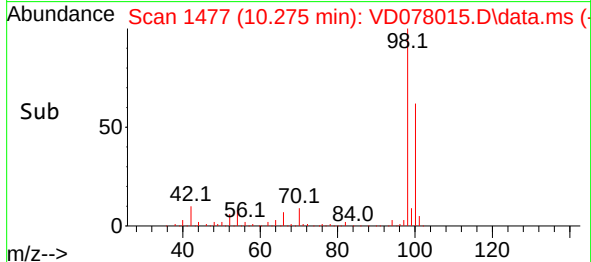
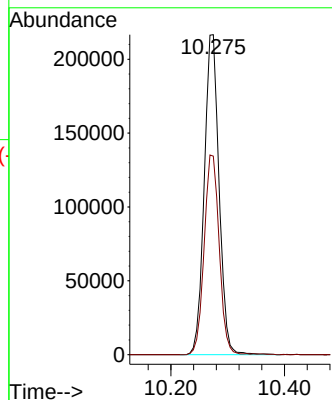
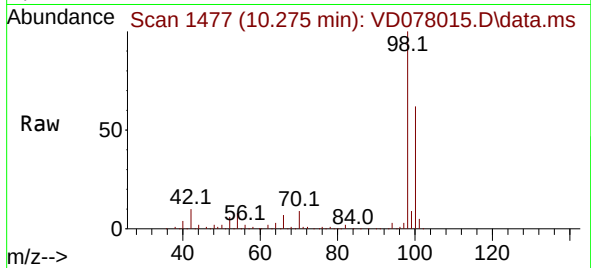




#50
Toluene-d8
Concen: 45.181 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

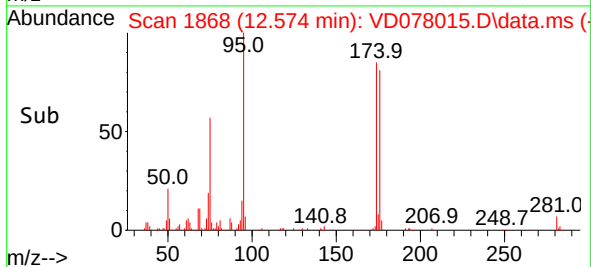
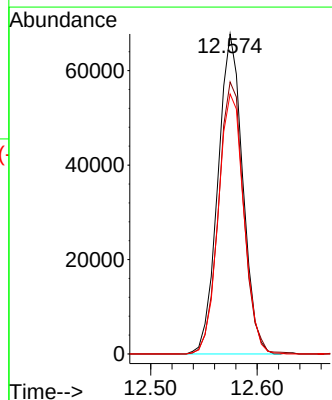
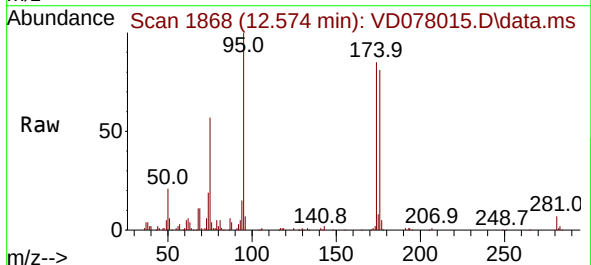
Instrument :
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COLW9

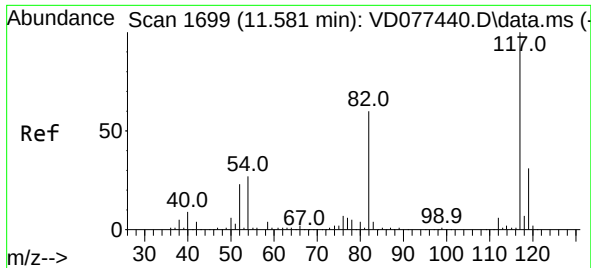
Tgt Ion: 98 Resp: 390887
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.324 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

Tgt Ion: 95 Resp: 109477
Ion Ratio Lower Upper
95 100
174 86.1 0.0 201.8
176 83.6 0.0 191.8

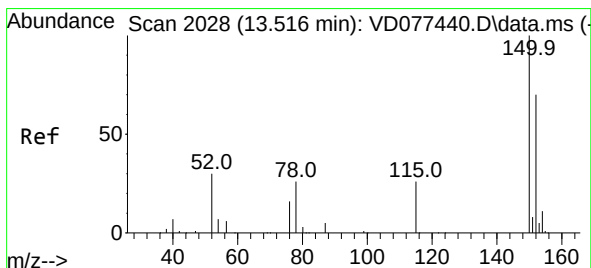
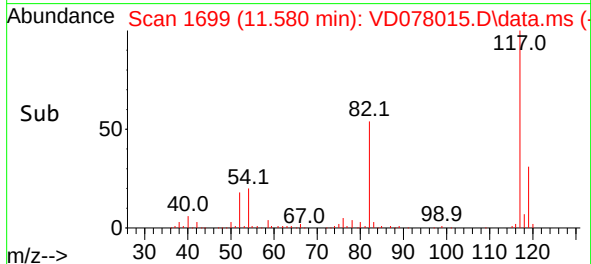
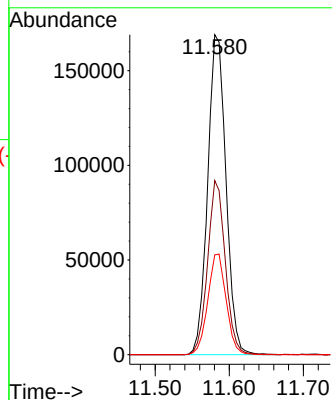
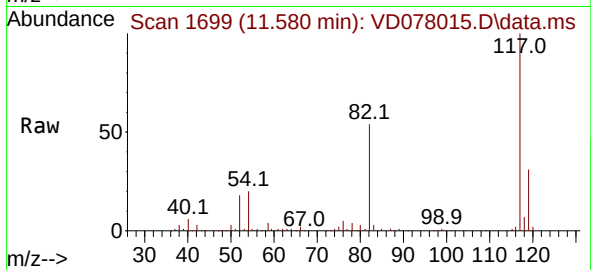




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1
Delta R.T. -0.001 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

Instrument :
MSVOA_D
ClientSampleId :
COLW9

Tgt Ion:117 Resp: 290022
Ion Ratio Lower Upper
117 100
82 54.4 38.3 57.5
119 31.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.005 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

Tgt Ion:152 Resp: 121370
Ion Ratio Lower Upper
152 100
115 56.6 27.1 81.3
150 158.7 0.0 353.6

