

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020924\
 Data File : VD078384.D
 Acq On : 09 Feb 2024 12:26
 Operator : RP/MD
 Sample : VD0209SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0209SBL01

Quant Time: Feb 09 22:59:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 03:58:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	113766	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	248618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	272462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	123658	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	63395	45.014	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.020%
35) Dibromofluoromethane	7.805	113	79899	45.141	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.280%
50) Toluene-d8	10.269	98	331845	49.520	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.040%
62) 4-Bromofluorobenzene	12.575	95	109114	54.371	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.740%

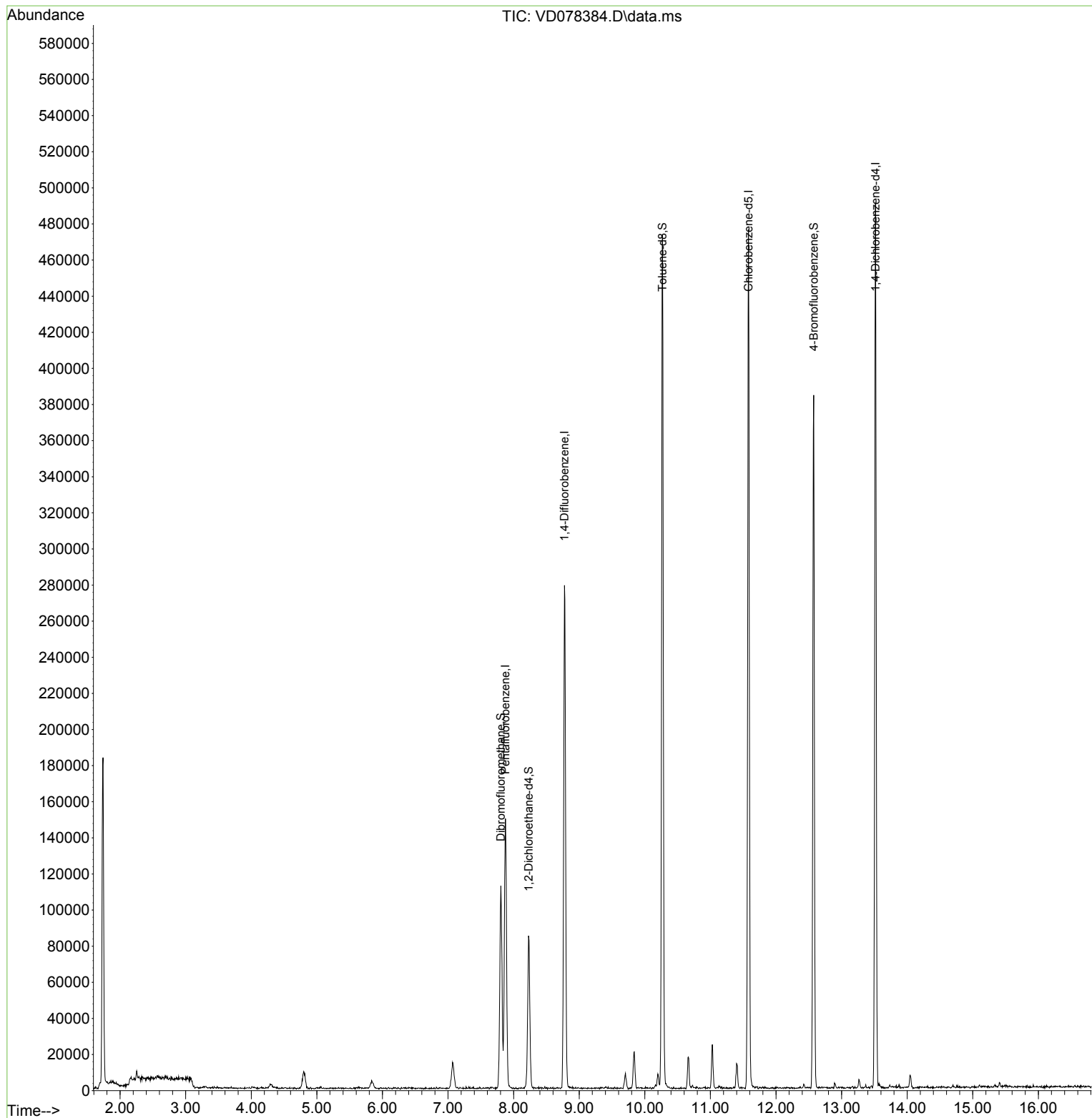
Target Compounds	Qvalue

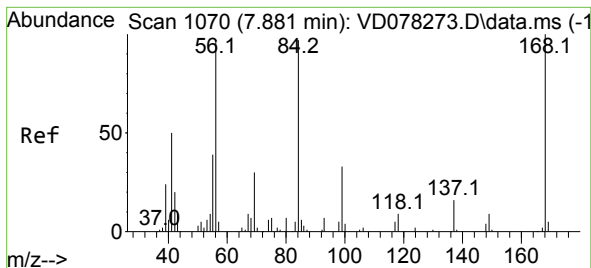
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD078384.D

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Instrument :

MSVOA_D

ClientSampleId :

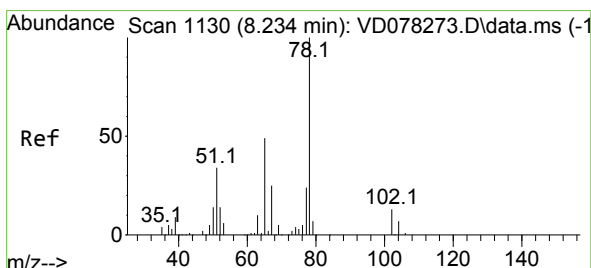
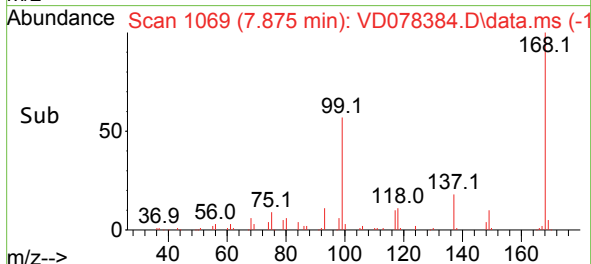
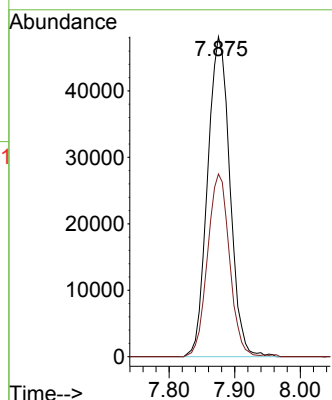
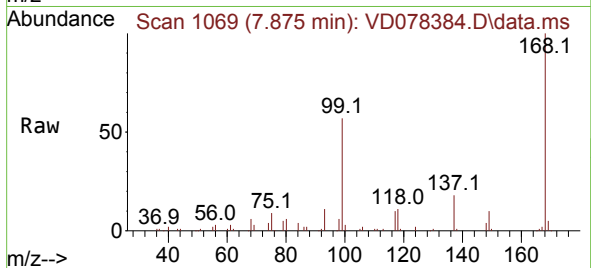
VD0209SBL01

Tgt Ion:168 Resp: 113766

Ion Ratio Lower Upper

168 100

99 57.1 36.7 55.1#



#33

1,2-Dichloroethane-d4

Concen: 45.014 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078384.D

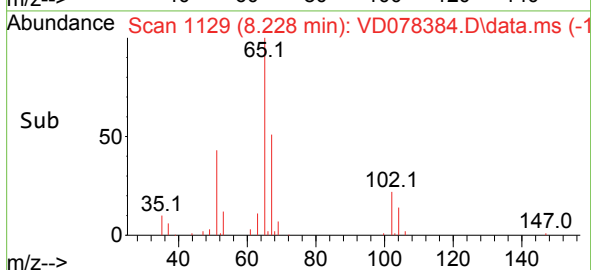
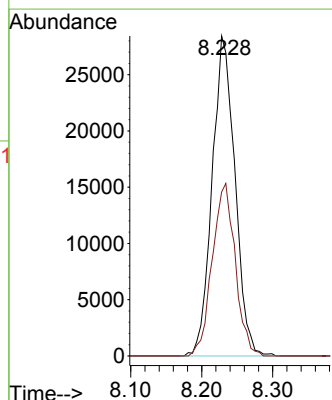
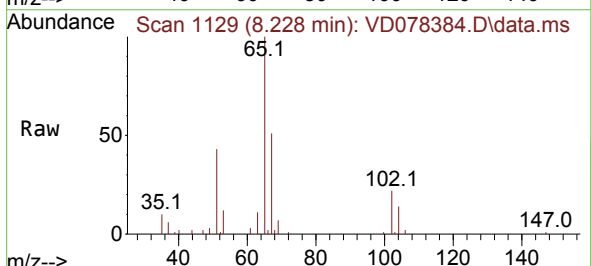
Acq: 09 Feb 2024 12:26

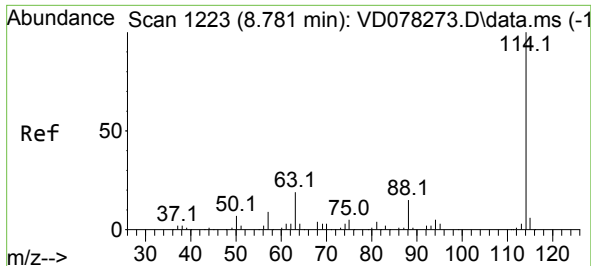
Tgt Ion: 65 Resp: 63395

Ion Ratio Lower Upper

65 100

67 54.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078384.D

Acq: 09 Feb 2024 12:26

Instrument :

MSVOA_D

ClientSampleId :

VD0209SBL01

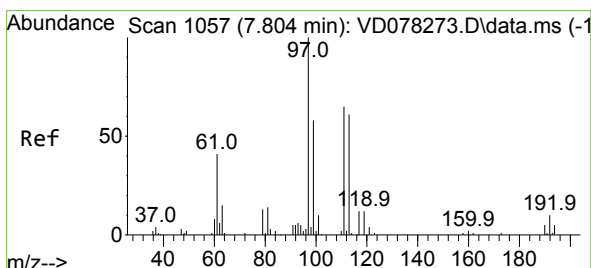
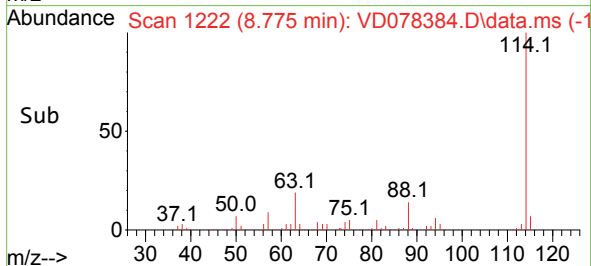
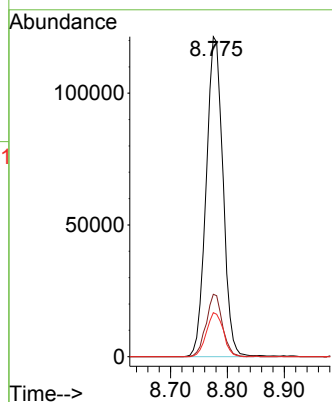
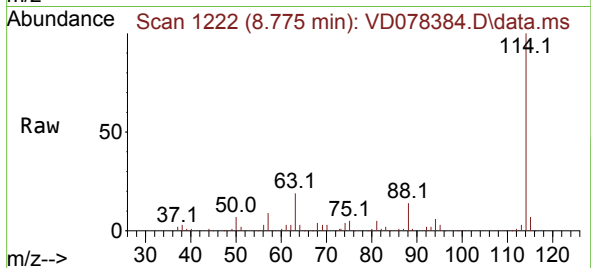
Tgt Ion:114 Resp: 248618

Ion Ratio Lower Upper

114 100

63 19.5 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 45.141 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078384.D

Acq: 09 Feb 2024 12:26

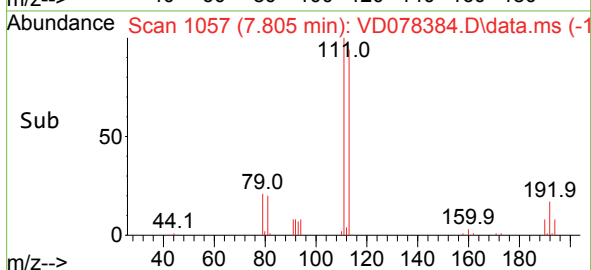
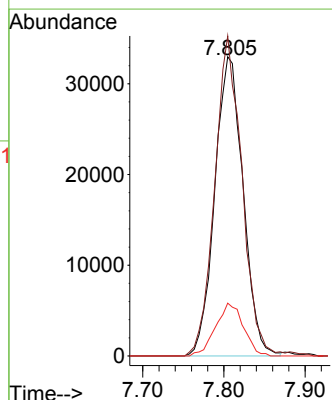
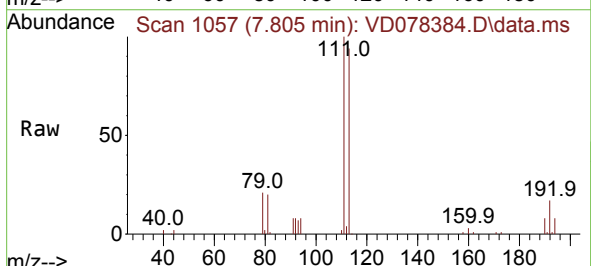
Tgt Ion:113 Resp: 79899

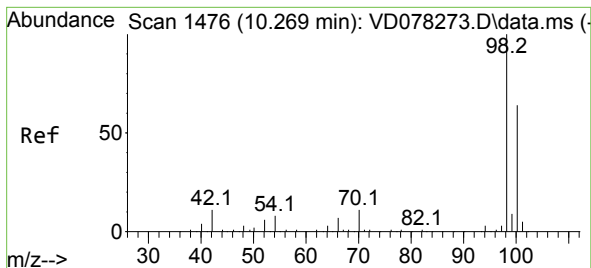
Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 17.3 16.8 25.2

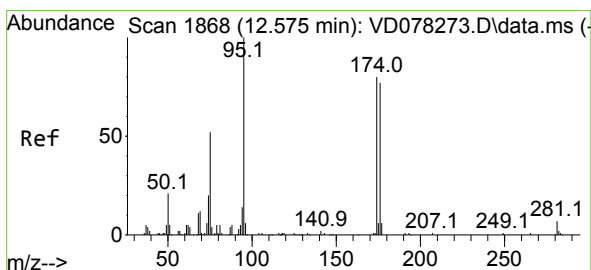
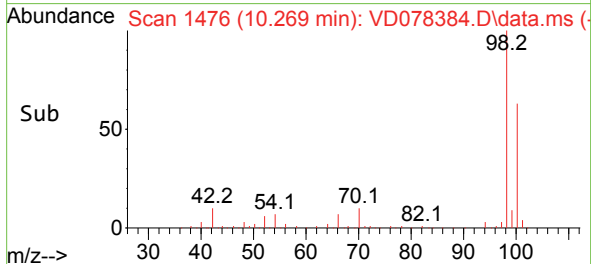
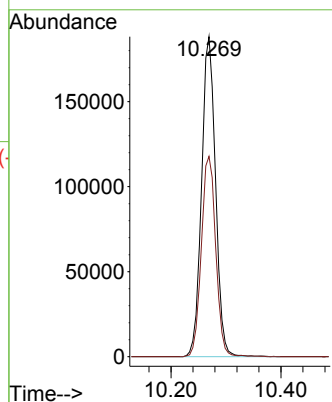
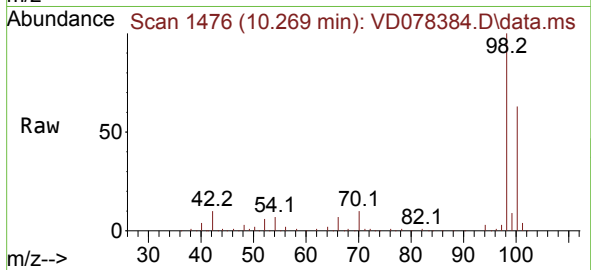




#50
Toluene-d8
Concen: 49.520 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078384.D
Acq: 09 Feb 2024 12:26

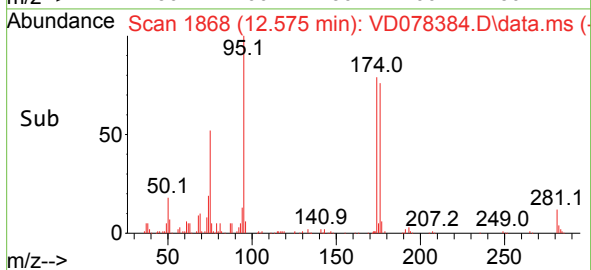
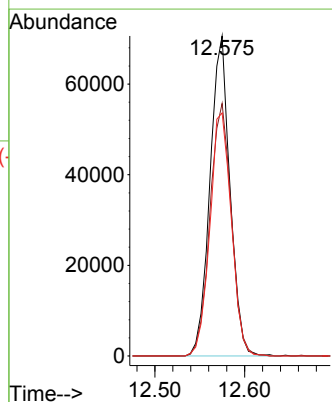
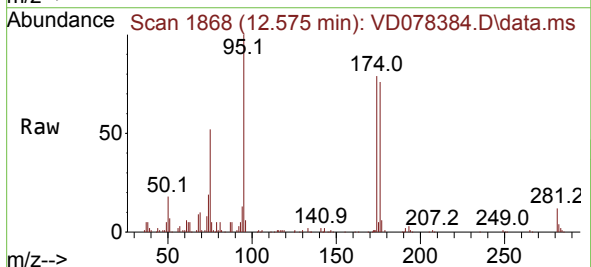
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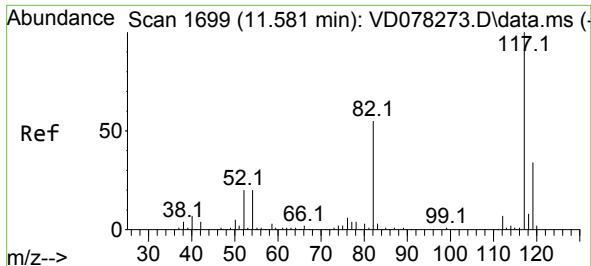
Tgt Ion: 98 Resp: 331845
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 54.371 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078384.D
Acq: 09 Feb 2024 12:26

Tgt Ion: 95 Resp: 109114
Ion Ratio Lower Upper
95 100
174 84.5 0.0 201.8
176 81.5 0.0 191.8

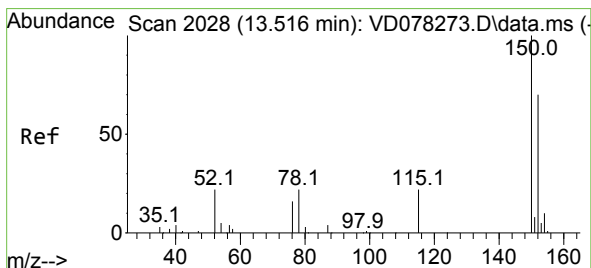
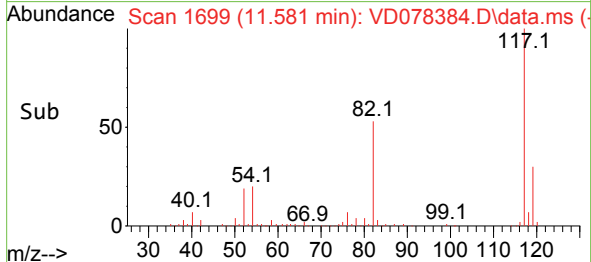
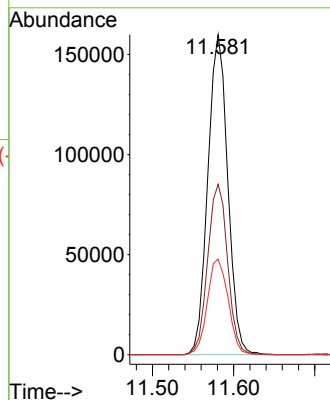
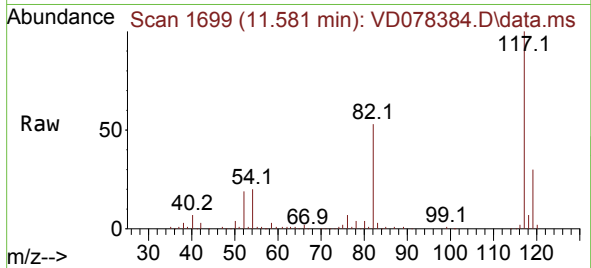




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078384.D
Acq: 09 Feb 2024 12:26

Instrument :
MSVOA_D
ClientSampleId :
VD0209SBL01

Tgt Ion:117 Resp: 272462
Ion Ratio Lower Upper
117 100
82 53.2 38.3 57.5
119 29.8 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: VD078384.D
Acq: 09 Feb 2024 12:26

Tgt Ion:152 Resp: 123658
Ion Ratio Lower Upper
152 100
115 59.4 27.1 81.3
150 158.8 0.0 353.6

