

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021324\
 Data File : VD078406.D
 Acq On : 13 Feb 2024 17:14
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Feb 14 01:30:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	75307	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	160641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	185812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	90068	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	56625	69.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.080%
35) Dibromofluoromethane	7.810	113	58676	57.502	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.000%
50) Toluene-d8	10.269	98	210904	51.668	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.340%
62) 4-Bromofluorobenzene	12.575	95	74038	62.328	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	124.660%

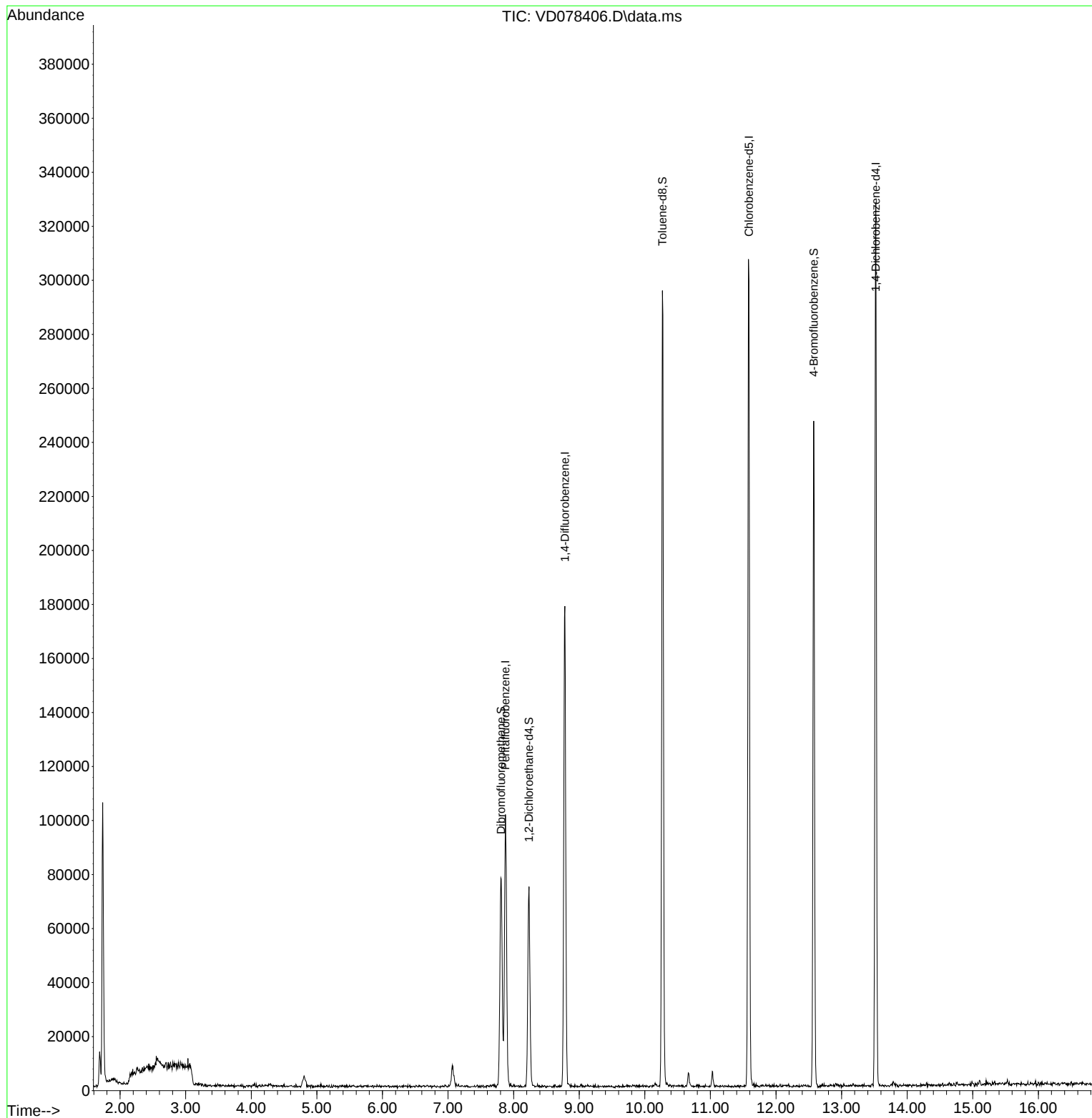
Target Compounds	Qvalue

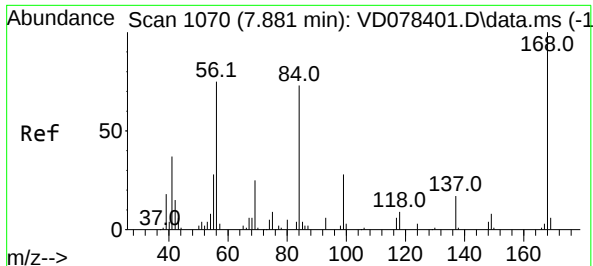
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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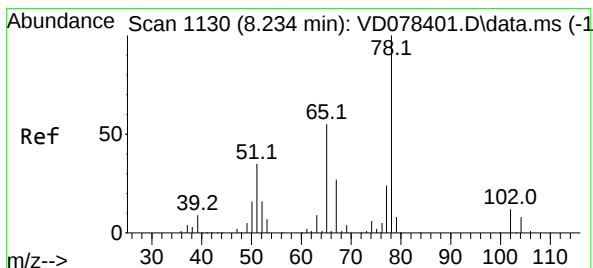
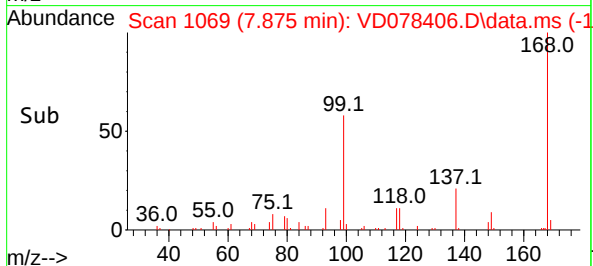
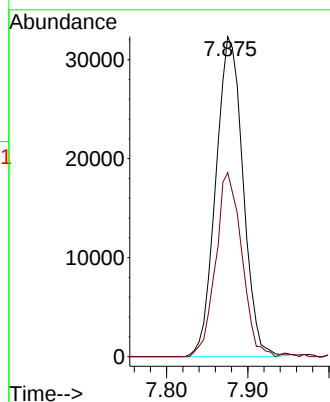
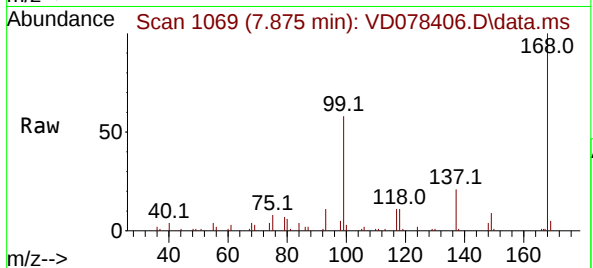




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

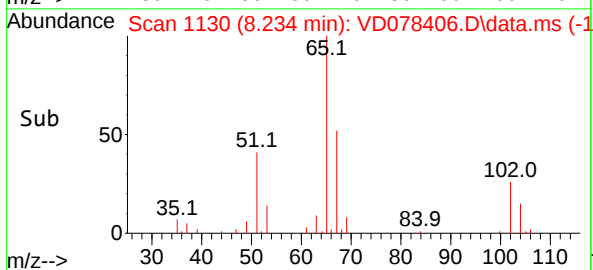
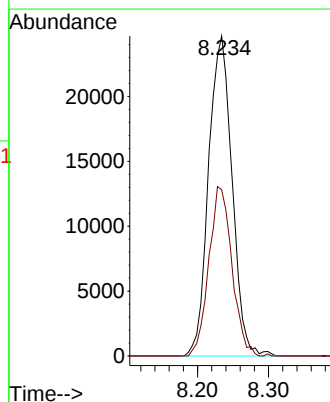
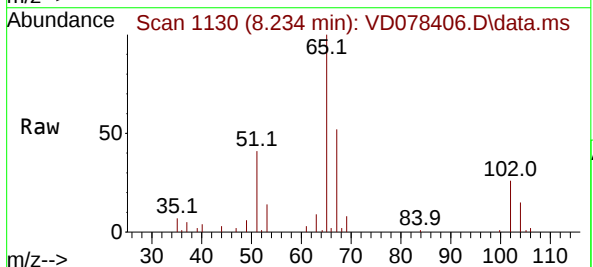
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

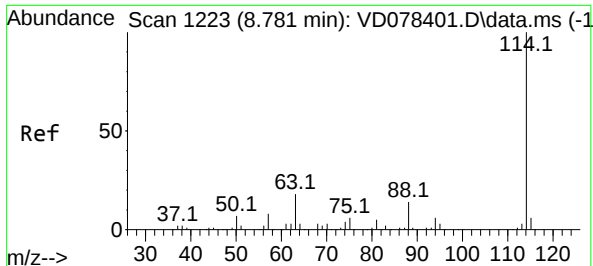
Tgt Ion:168 Resp: 75307
Ion Ratio Lower Upper
168 100
99 57.5 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 69.542 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

Tgt Ion: 65 Resp: 56625
Ion Ratio Lower Upper
65 100
67 51.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078406.D

Acq: 13 Feb 2024 17:14

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

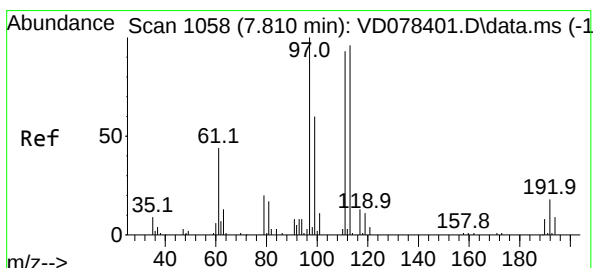
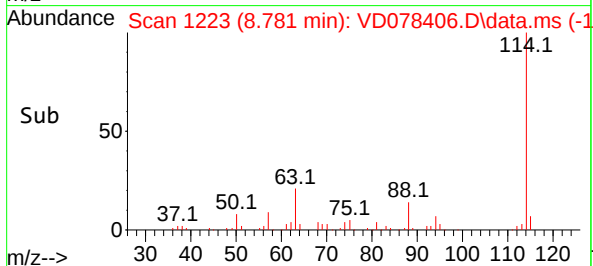
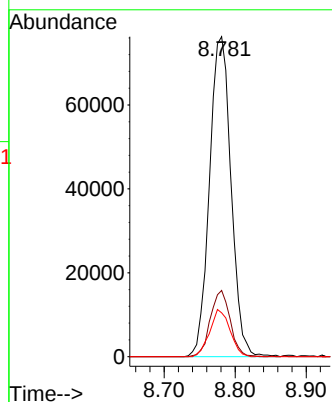
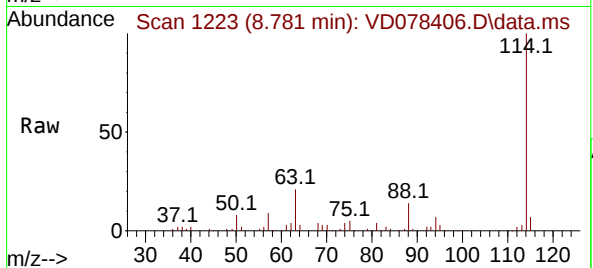
Tgt Ion:114 Resp: 160641

Ion Ratio Lower Upper

114 100

63 20.7 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 57.502 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078406.D

Acq: 13 Feb 2024 17:14

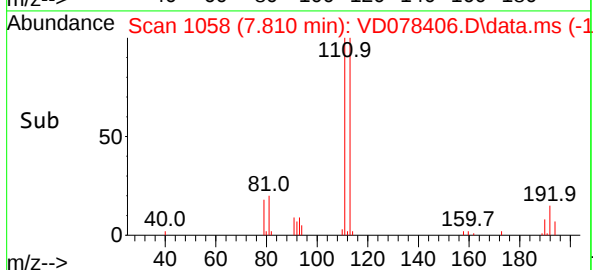
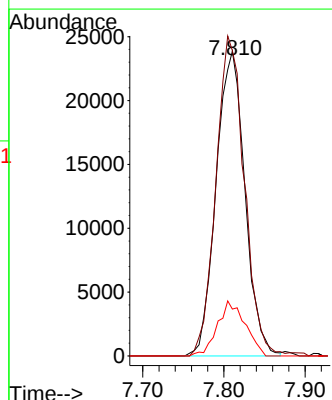
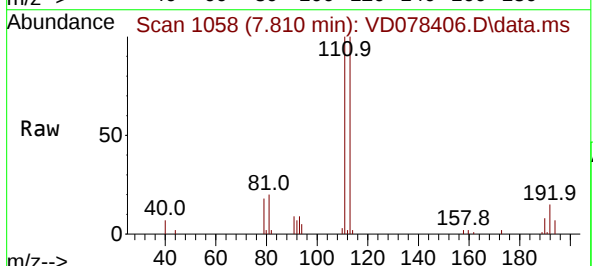
Tgt Ion:113 Resp: 58676

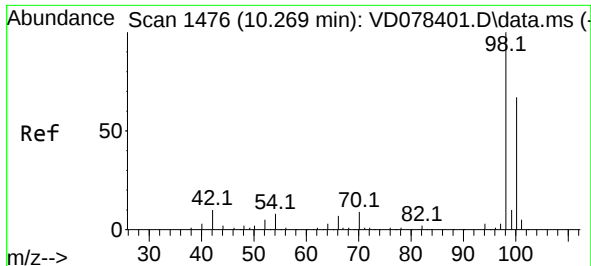
Ion Ratio Lower Upper

113 100

111 103.8 84.7 127.1

192 17.4 16.8 25.2

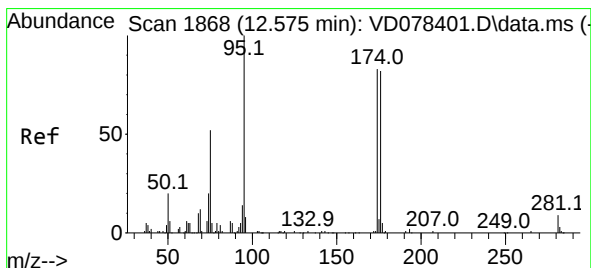
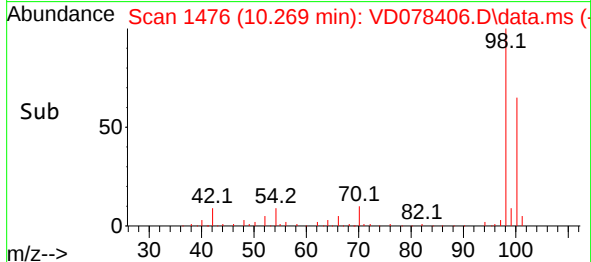
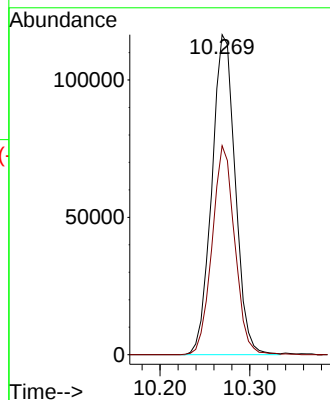
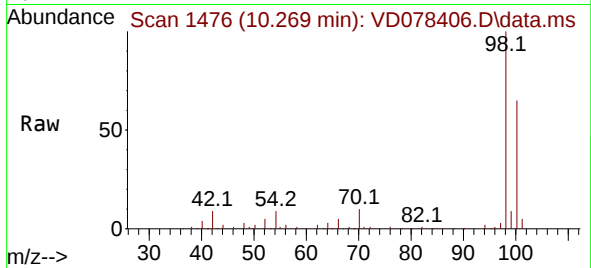




#50
Toluene-d8
Concen: 51.668 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

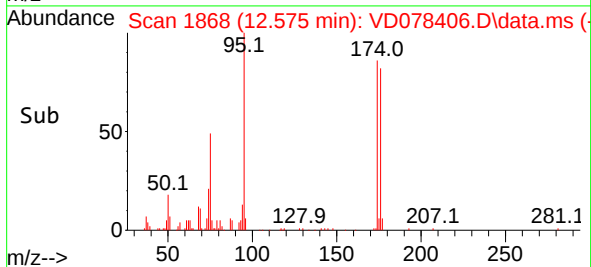
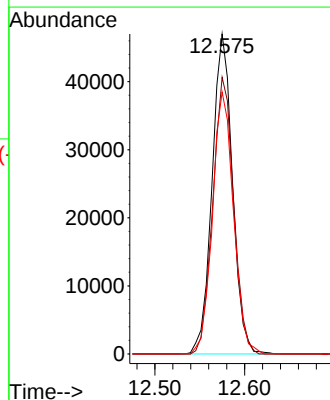
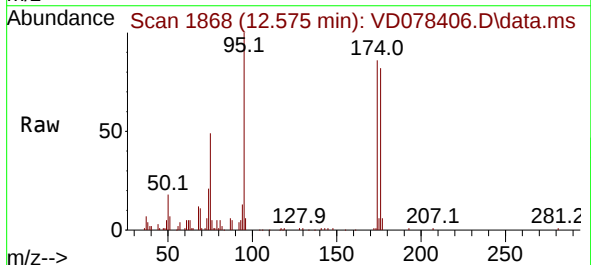
Instrument :
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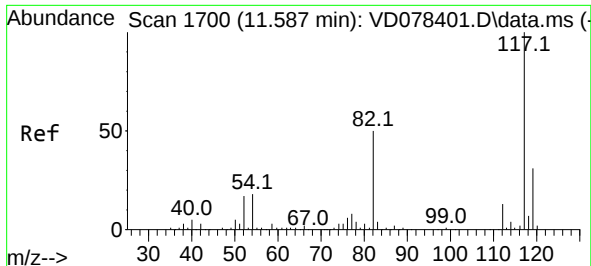
Tgt Ion: 98 Resp: 210904
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 62.328 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

Tgt Ion: 95 Resp: 74038
Ion Ratio Lower Upper
95 100
174 88.4 0.0 201.8
176 84.3 0.0 191.8

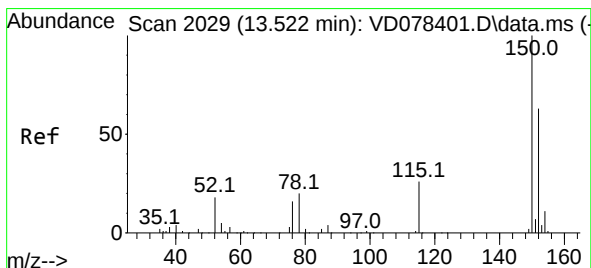
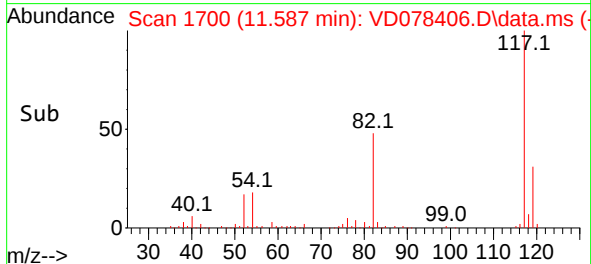
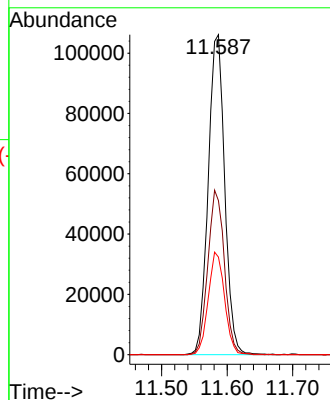
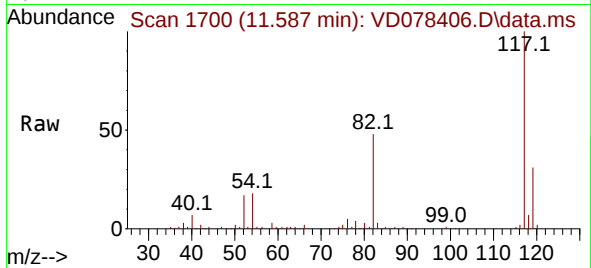




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 185812
Ion Ratio Lower Upper
117 100
82 48.1 38.3 57.5
119 30.5 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

Tgt Ion:152 Resp: 90068
Ion Ratio Lower Upper
152 100
115 53.8 27.1 81.3
150 152.3 0.0 353.6

