

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010224\
 Data File : VD078120.D
 Acq On : 02 Jan 2024 13:56
 Operator : RP/MD
 Sample : 06041-01
 Misc : 4.12G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-02-12282023

Quant Time: Jan 03 00:06:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	228777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	390845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	363912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	163138	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	84603	41.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.120%
35) Dibromofluoromethane	7.810	113	115625	45.978	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.960%
50) Toluene-d8	10.269	98	471584	53.293	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.580%
62) 4-Bromofluorobenzene	12.575	95	136960	48.104	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.200%

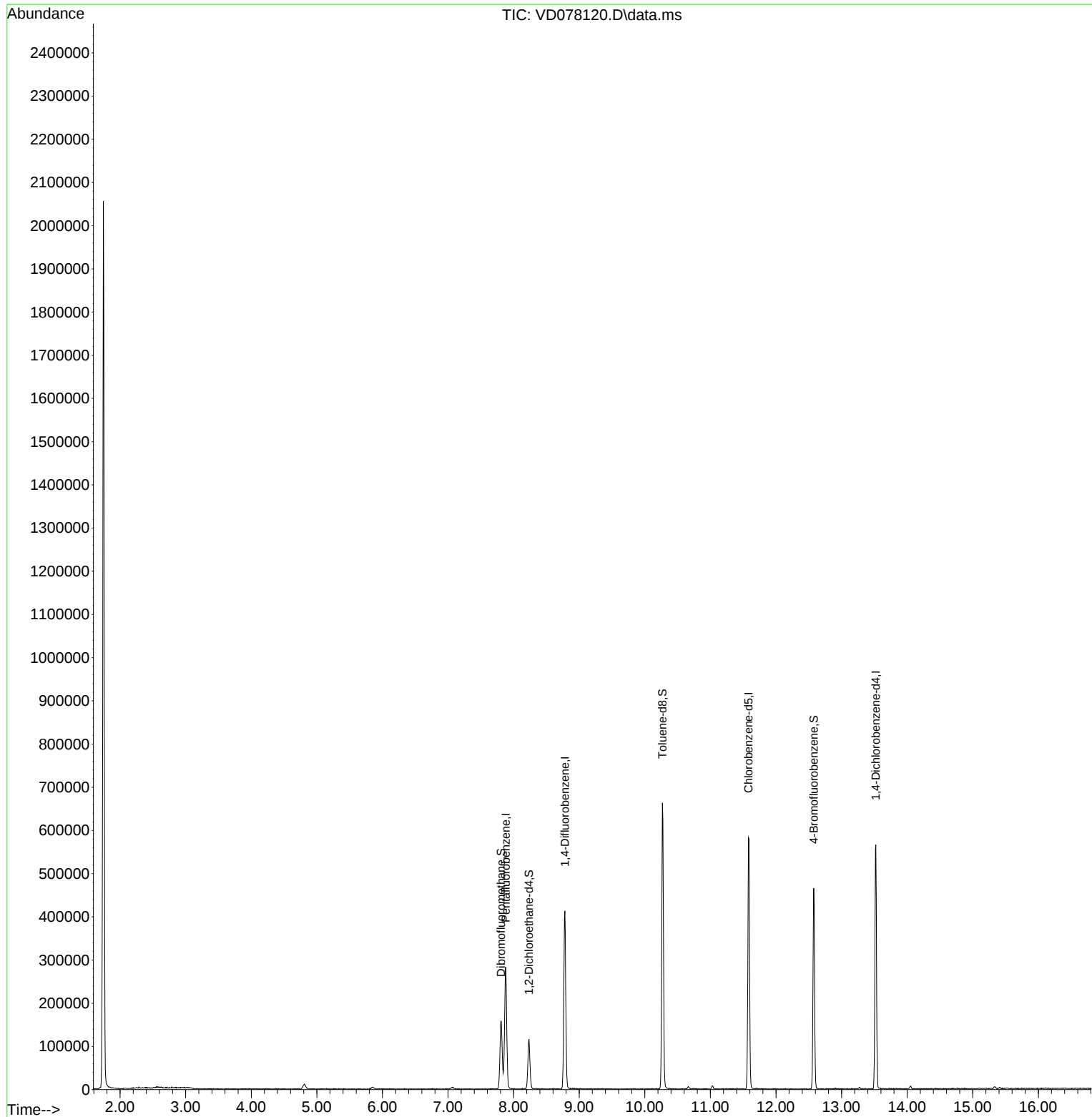
Target Compounds	Qvalue

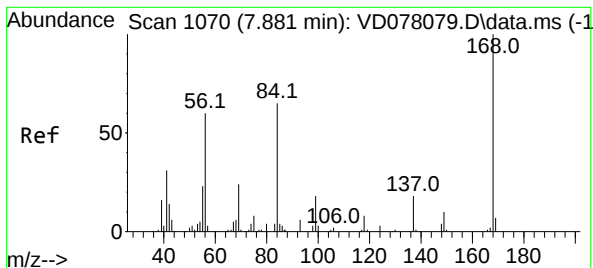
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD078120.D

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Instrument :

MSVOA_D

ClientSampleId :

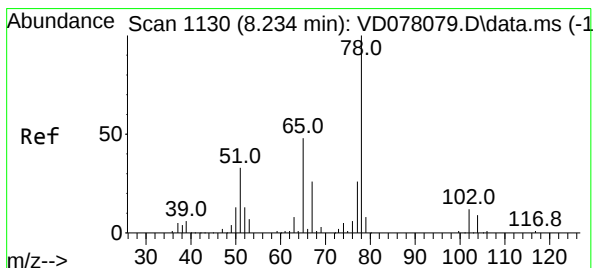
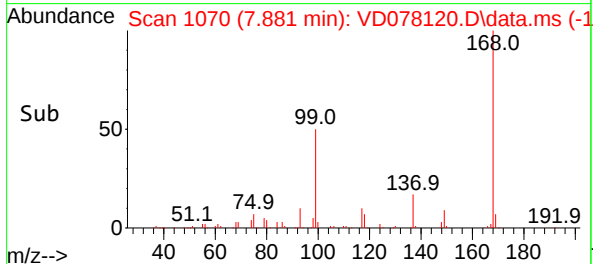
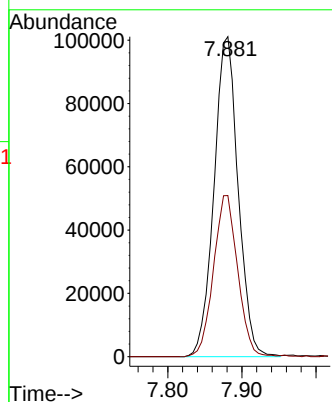
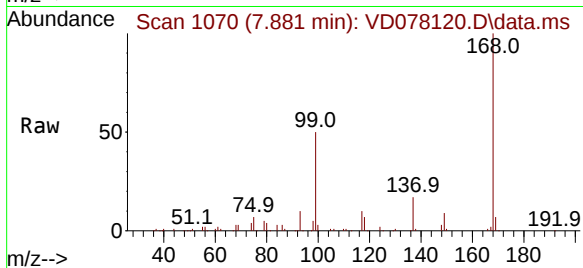
BU-02-12282023

Tgt Ion:168 Resp: 228777

Ion Ratio Lower Upper

168 100

99 50.4 36.7 55.1



#33

1,2-Dichloroethane-d4

Concen: 41.562 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078120.D

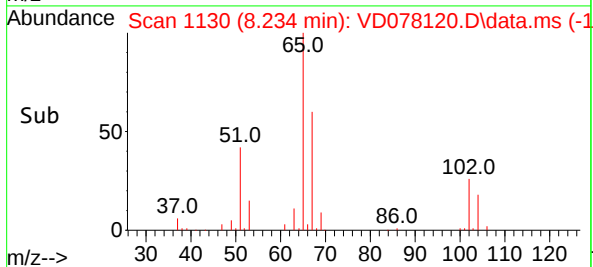
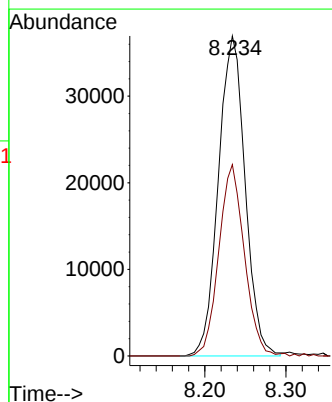
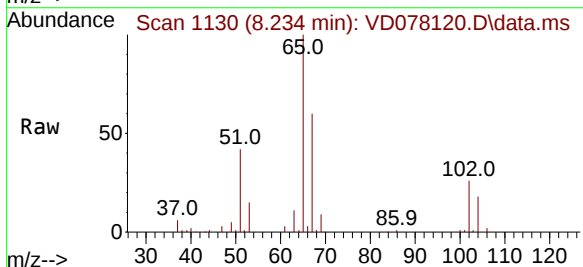
Acq: 02 Jan 2024 13:56

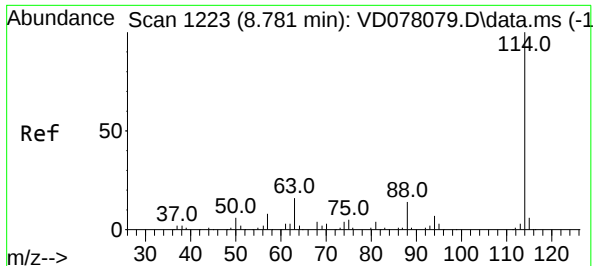
Tgt Ion: 65 Resp: 84603

Ion Ratio Lower Upper

65 100

67 57.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078120.D

Acq: 02 Jan 2024 13:56

Instrument :

MSVOA_D

ClientSampleId :

BU-02-12282023

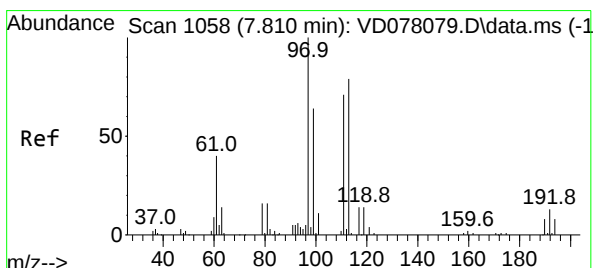
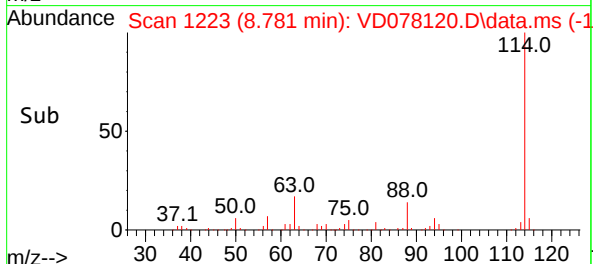
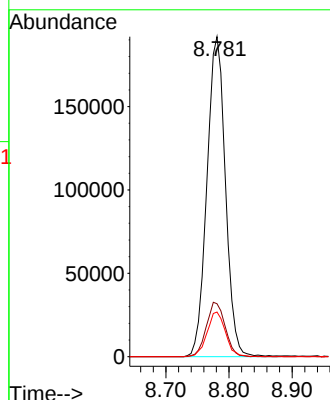
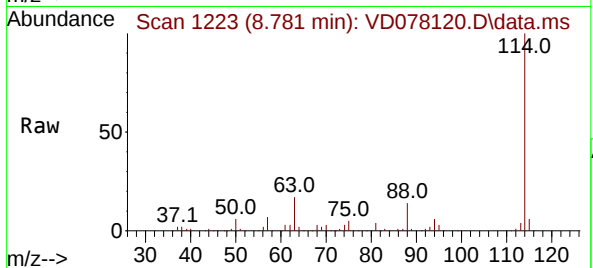
Tgt Ion:114 Resp: 390845

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 14.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 45.978 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078120.D

Acq: 02 Jan 2024 13:56

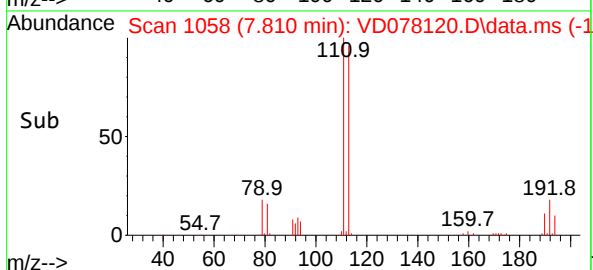
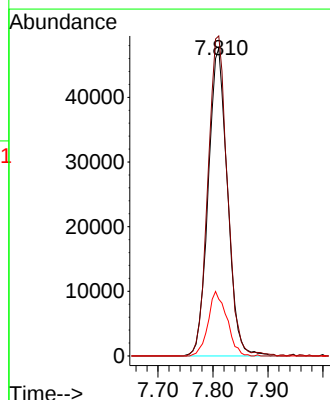
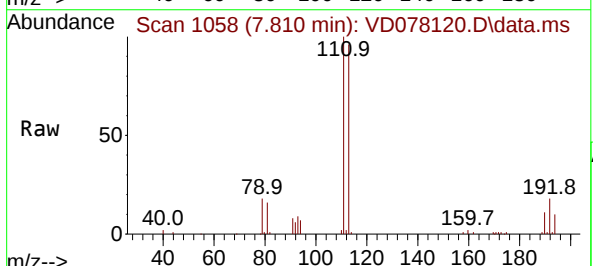
Tgt Ion:113 Resp: 115625

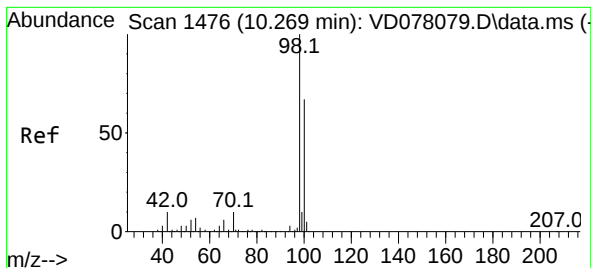
Ion Ratio Lower Upper

113 100

111 105.2 84.7 127.1

192 20.5 16.8 25.2

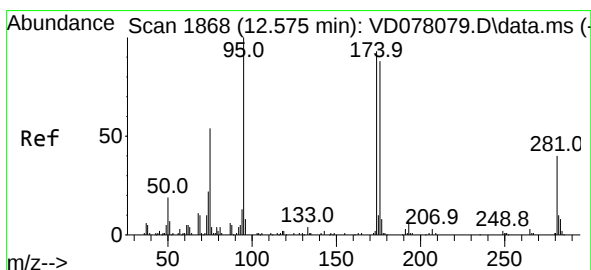
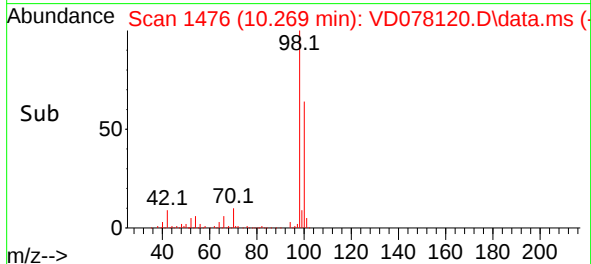
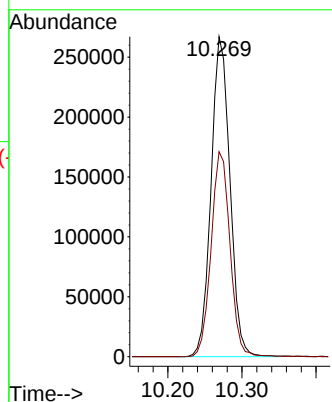
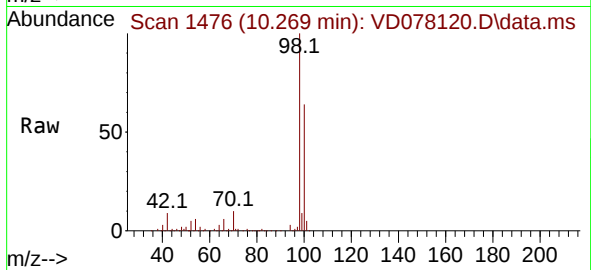




#50
Toluene-d8
Concen: 53.293 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078120.D
Acq: 02 Jan 2024 13:56

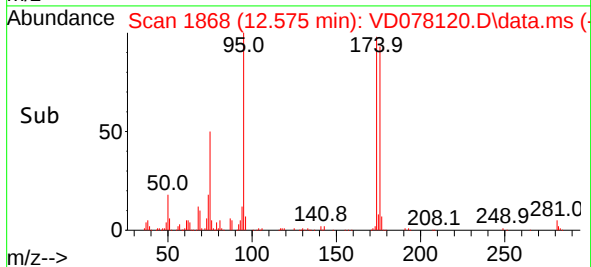
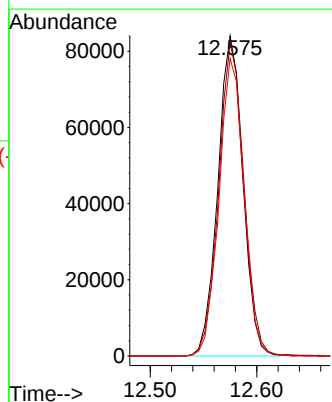
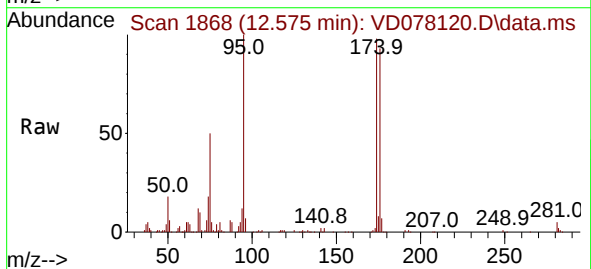
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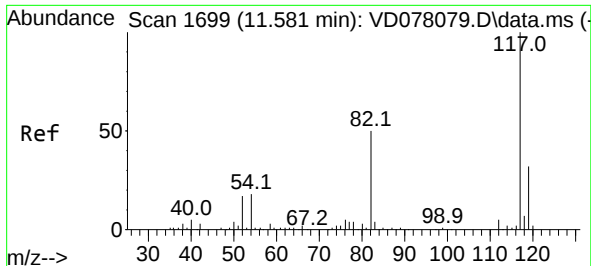
Tgt Ion: 98 Resp: 471584
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 48.104 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078120.D
Acq: 02 Jan 2024 13:56

Tgt Ion: 95 Resp: 136960
Ion Ratio Lower Upper
95 100
174 98.6 0.0 201.8
176 93.2 0.0 191.8

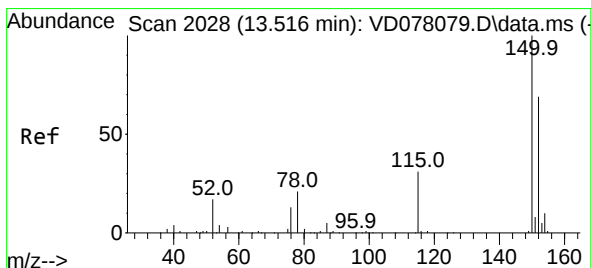
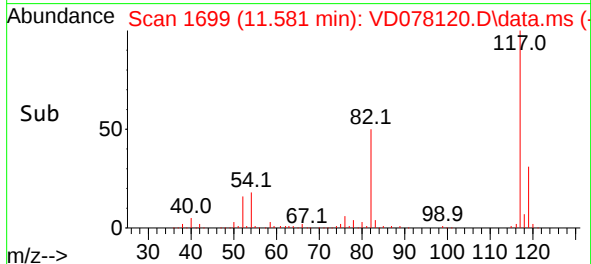
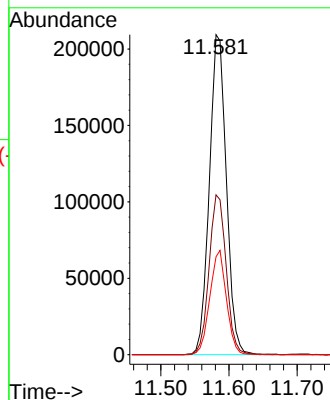
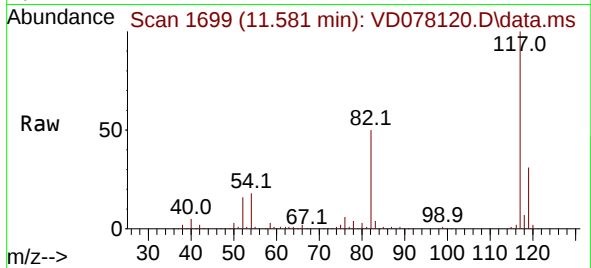




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078120.D
Acq: 02 Jan 2024 13:56

Instrument :
MSVOA_D
ClientSampleId :
BU-02-12282023

Tgt Ion:117 Resp: 363912
Ion Ratio Lower Upper
117 100
82 50.0 38.3 57.5
119 30.6 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD078120.D
Acq: 02 Jan 2024 13:56

Tgt Ion:152 Resp: 163138
Ion Ratio Lower Upper
152 100
115 54.5 27.1 81.3
150 158.0 0.0 353.6

