

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078093.D
 Acq On : 28 Dec 2023 15:31
 Operator : RP/MD
 Sample : 06017-07
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB32-1-20231222-12.5-13.5

Quant Time: Dec 28 22:26:12 2023
 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	7.875	168	238181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	395074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	372829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	165753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	86443	40.789	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.580%
35) Dibromofluoromethane	7.811	113	119685	47.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.160%
50) Toluene-d8	10.269	98	482897	53.987	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.980%
62) 4-Bromofluorobenzene	12.575	95	138478	48.116	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.240%

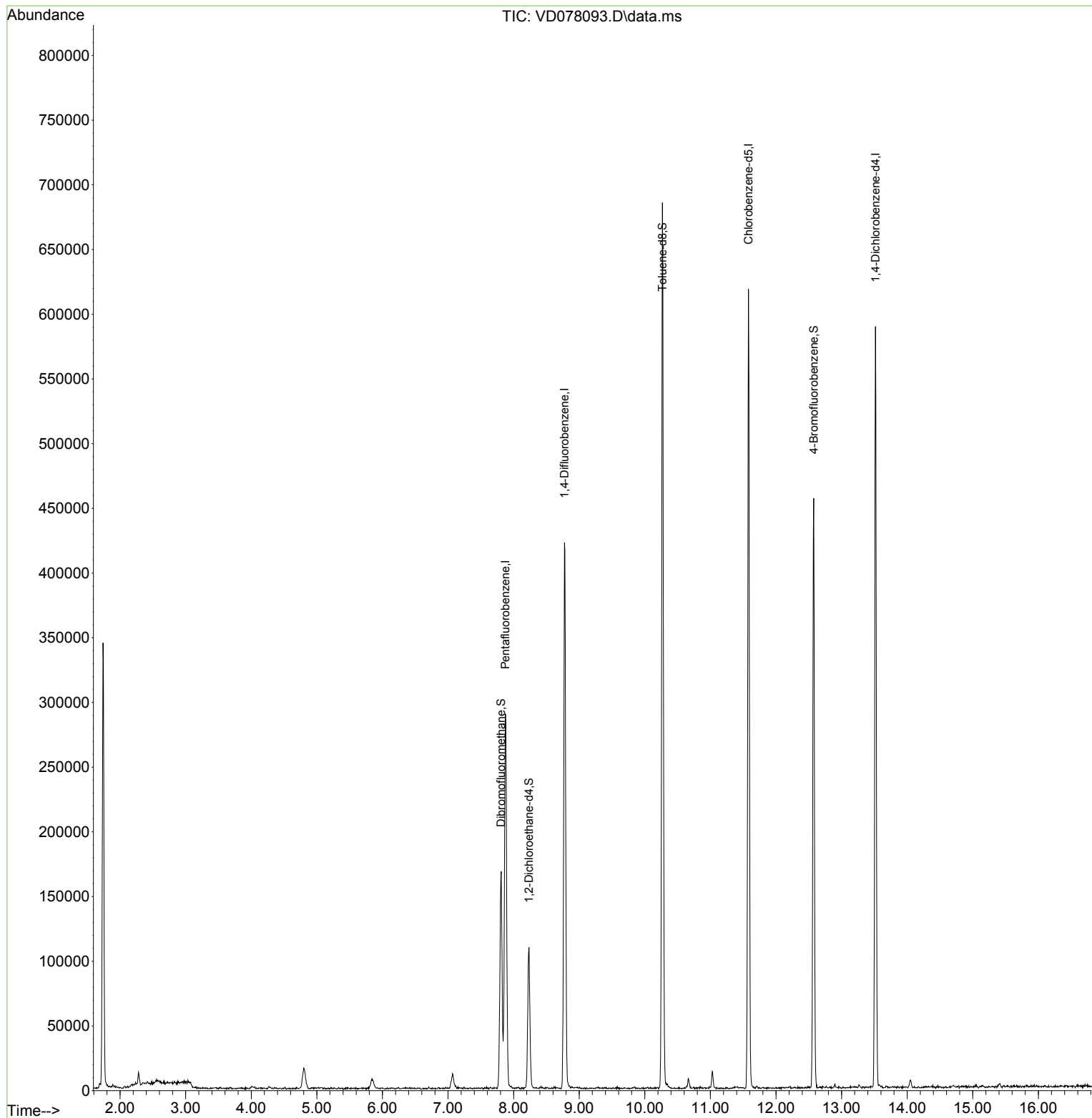
Target Compounds	Qvalue

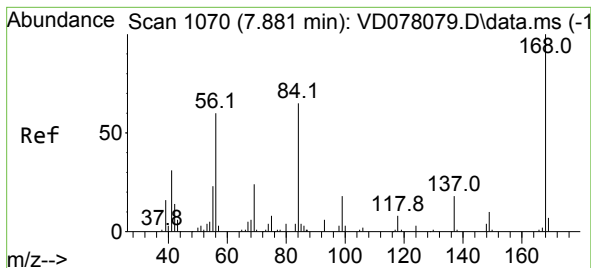
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 110

Delta R.T. -0.006 min

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MSVOA_D

ClientSampleId :

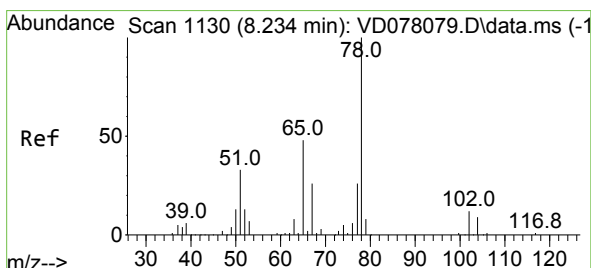
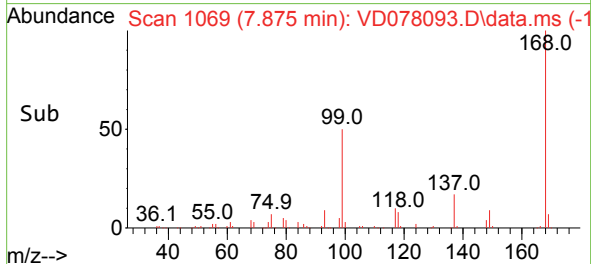
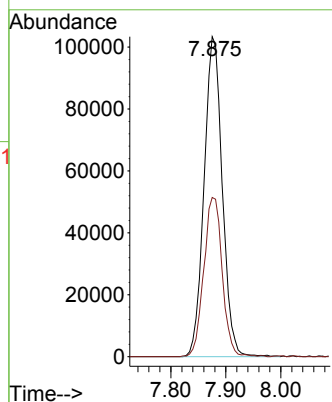
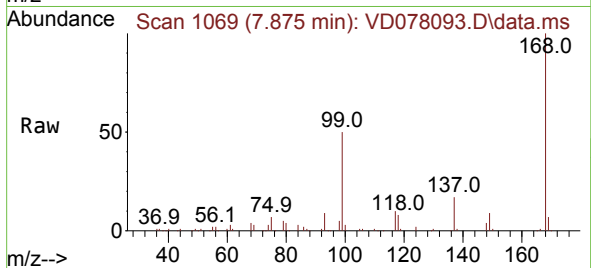
SB32-1-20231222-12.5-13.5

Tgt Ion:168 Resp: 238181

Ion Ratio Lower Upper

168 100

99 49.8 36.7 55.1



#33

1,2-Dichloroethane-d4

Concen: 40.789 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078093.D

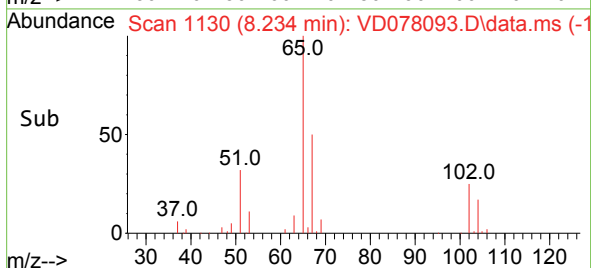
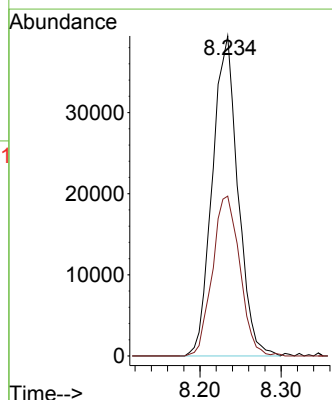
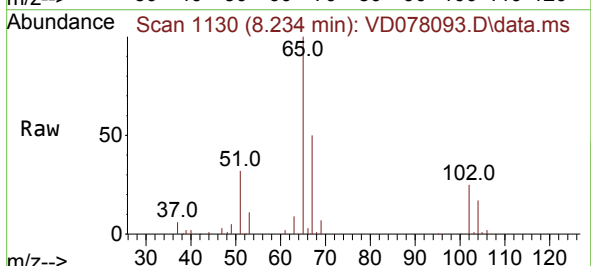
Acq: 28 Dec 2023 15:31

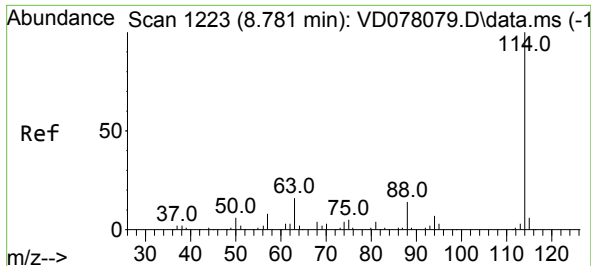
Tgt Ion: 65 Resp: 86443

Ion Ratio Lower Upper

65 100

67 53.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.005 min

Lab File: VD078093.D

Acq: 28 Dec 2023 15:31

Instrument :

MSVOA_D

ClientSampleId :

SB32-1-20231222-12.5-13.5

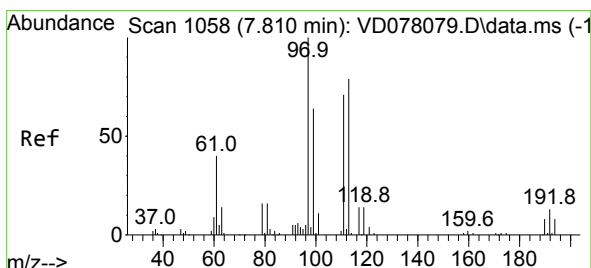
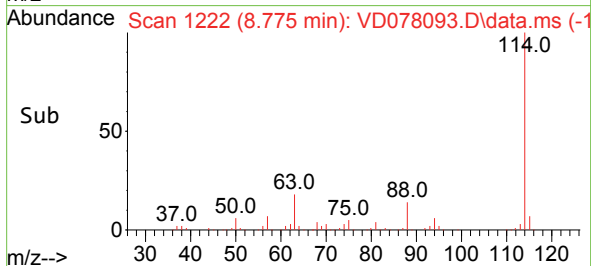
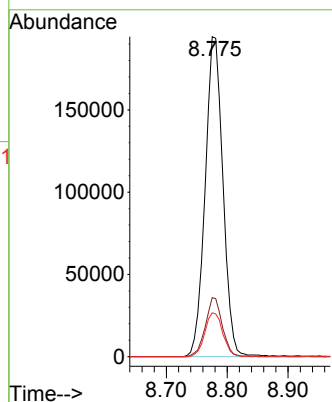
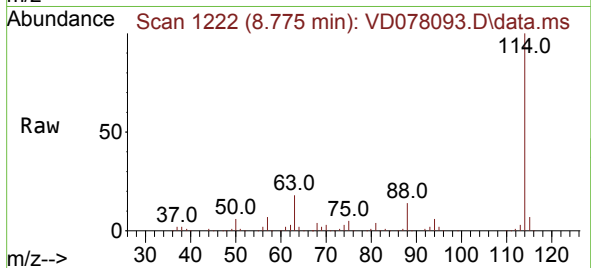
Tgt Ion:114 Resp: 395074

Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.082 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078093.D

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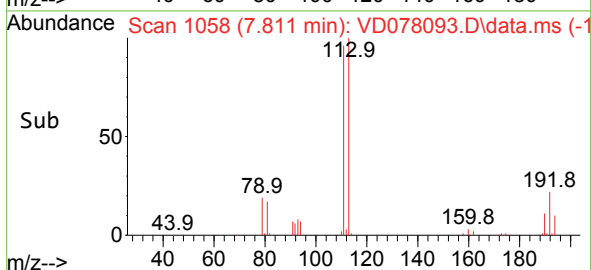
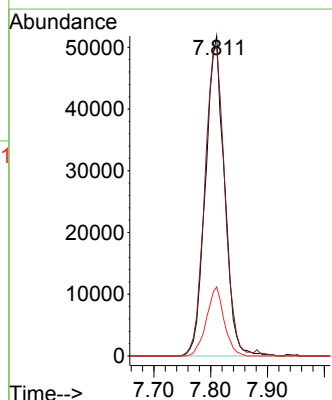
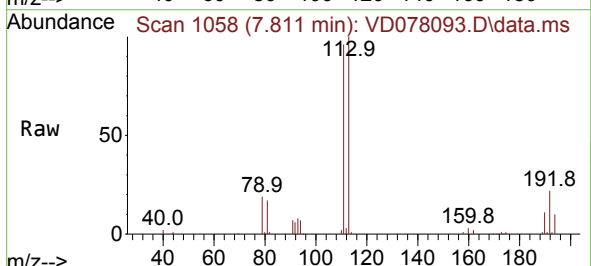
Tgt Ion:113 Resp: 119685

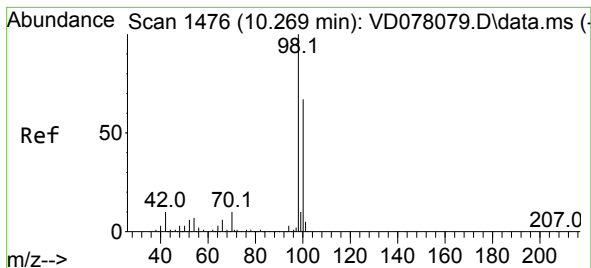
Ion Ratio Lower Upper

113 100

111 102.2 84.7 127.1

192 20.2 16.8 25.2

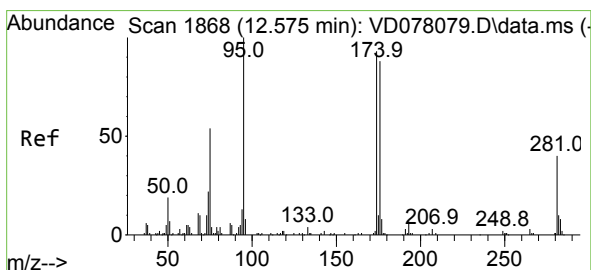
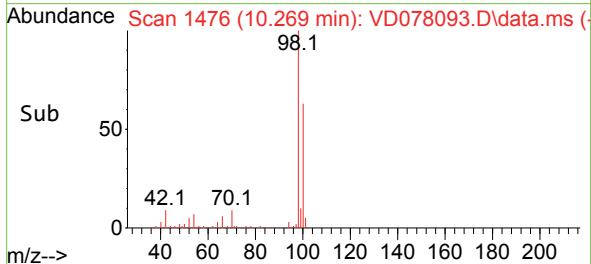
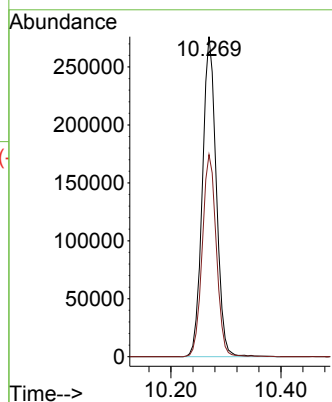
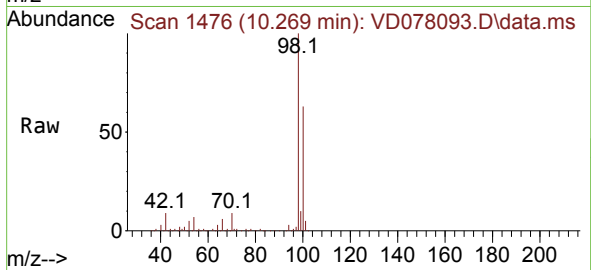




#50
Toluene-d8
Concen: 53.987 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

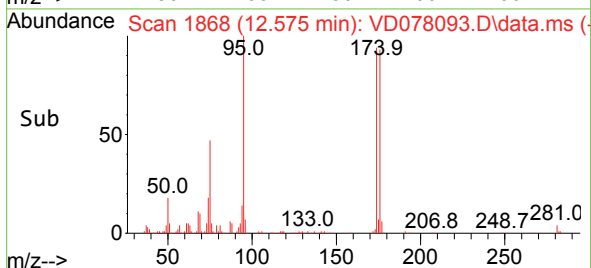
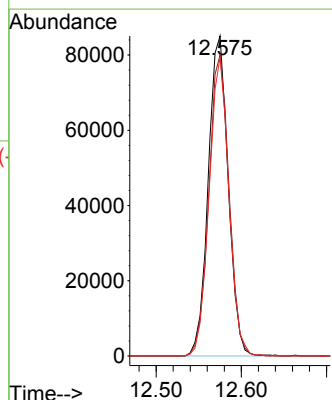
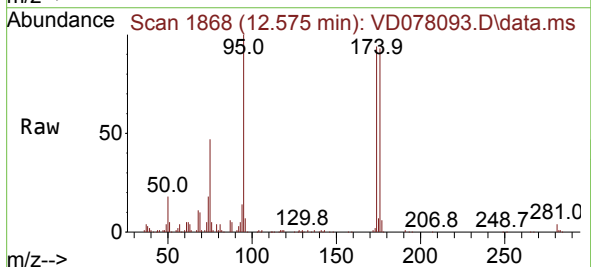
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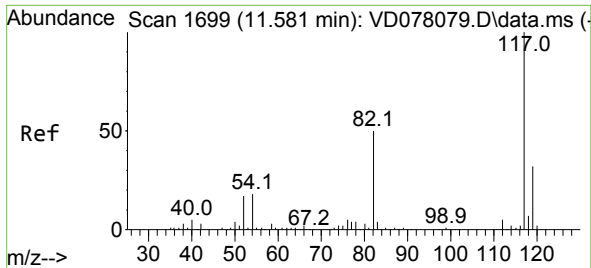
Tgt Ion: 98 Resp: 482897
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 48.116 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

Tgt Ion: 95 Resp: 138478
Ion Ratio Lower Upper
95 100
174 95.4 0.0 201.8
176 92.2 0.0 191.8

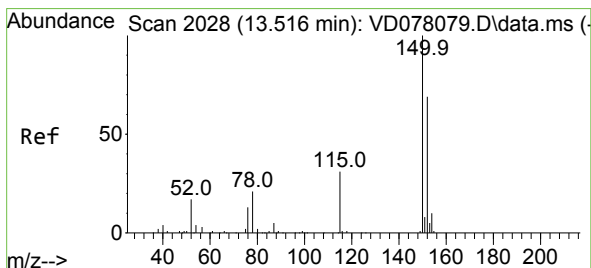
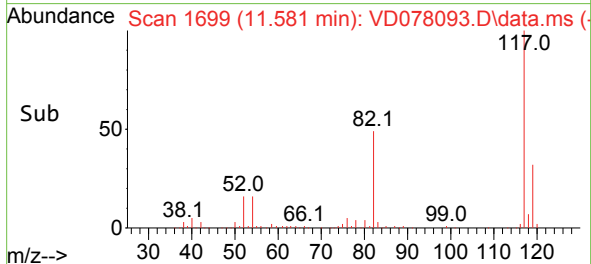
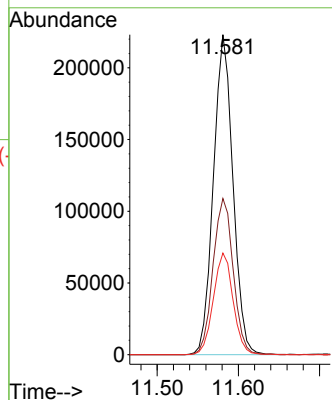
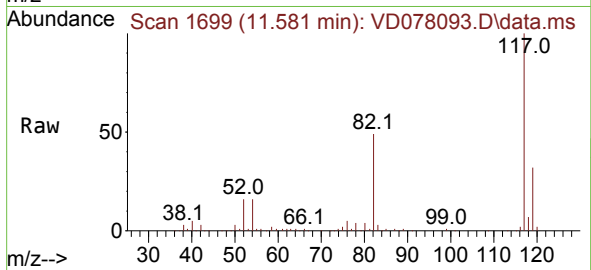




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078093.D
Acq: 28 Dec 2023 15:31

Instrument :
MSVOA_D
ClientSampleId :
SB32-1-20231222-12.5-13.5

Tgt Ion:117 Resp: 372829
Ion Ratio Lower Upper
117 100
82 48.8 38.3 57.5
119 31.8 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: VD078093.D
Acq: 28 Dec 2023 15:31

Tgt Ion:152 Resp: 165753
Ion Ratio Lower Upper
152 100
115 54.3 27.1 81.3
150 155.8 0.0 353.6

