

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062123\
 Data File : VD076517.D
 Acq On : 21 Jun 2023 17:21
 Operator : KP/SY
 Sample : 03290-02
 Misc : 4.14G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

Quant Time: Jun 22 02:01:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	166362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	278818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	255450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	116376	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89607	53.760	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.520%
35) Dibromofluoromethane	7.805	113	92446	55.812	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.620%
50) Toluene-d8	10.269	98	335240	53.368	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.740%
62) 4-Bromofluorobenzene	12.575	95	101749	49.909	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.820%

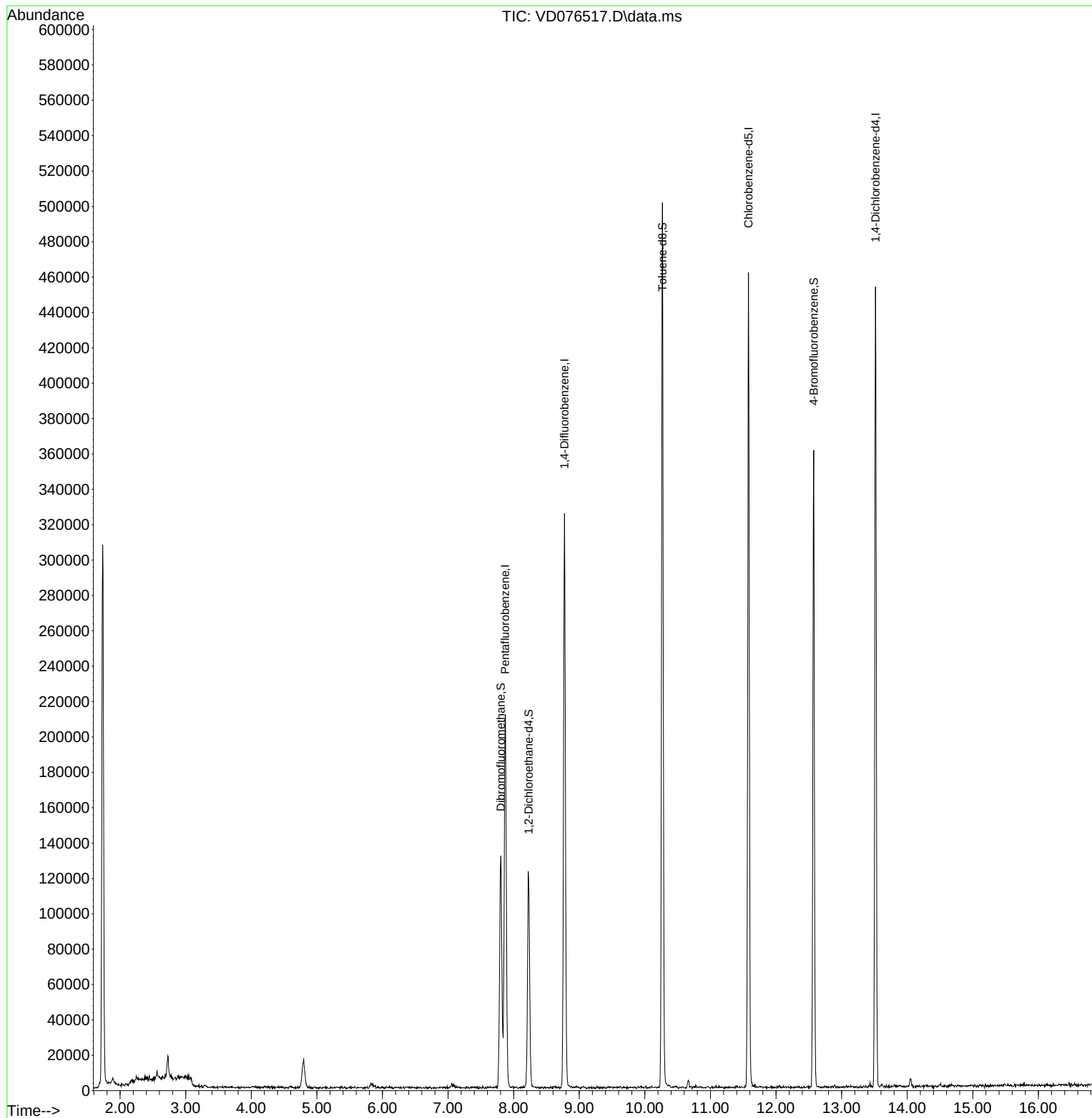
Target Compounds	Qvalue

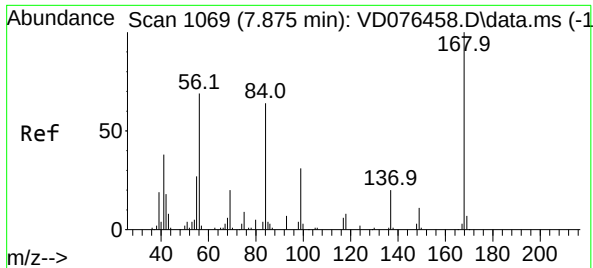
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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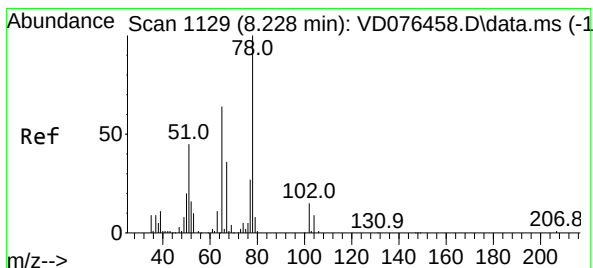
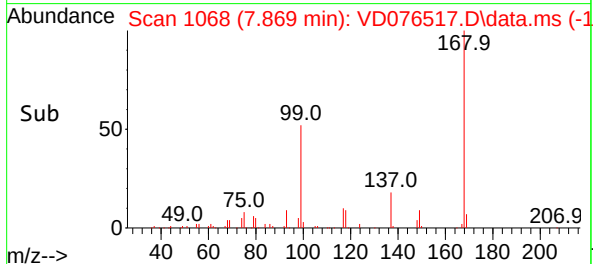
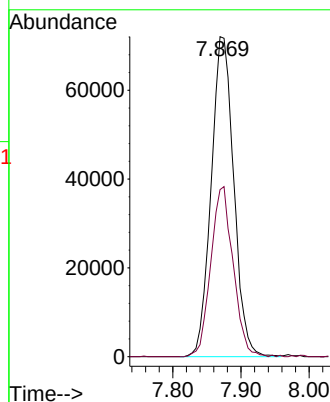
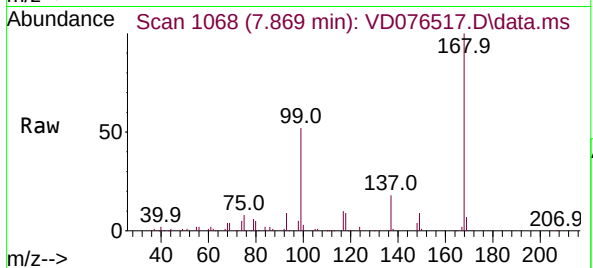




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076517.D
Acq: 21 Jun 2023 17:21

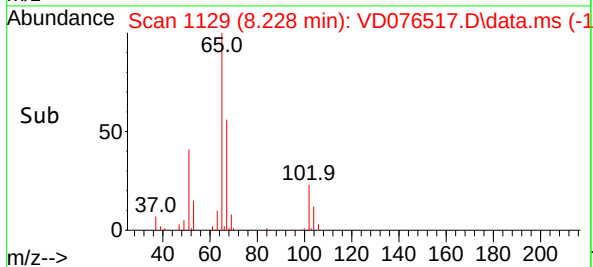
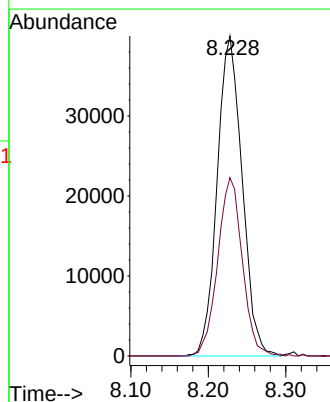
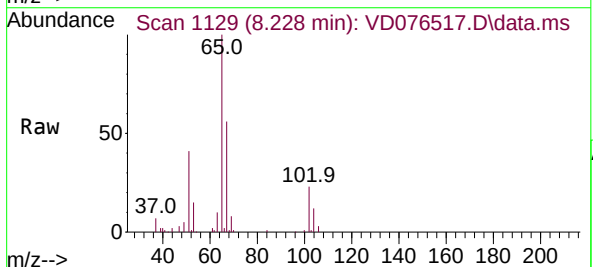
Instrument :
MSVOA_D
ClientSampleId :
SB-2

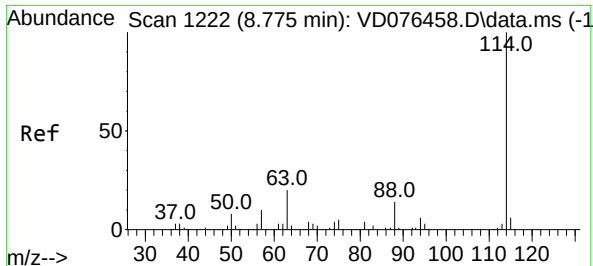
Tgt Ion:168 Resp: 166362
Ion Ratio Lower Upper
168 100
99 52.2 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 53.760 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076517.D
Acq: 21 Jun 2023 17:21

Tgt Ion: 65 Resp: 89607
Ion Ratio Lower Upper
65 100
67 55.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076517.D

Acq: 21 Jun 2023 17:21

Instrument :

MSVOA_D

ClientSampleId :

SB-2

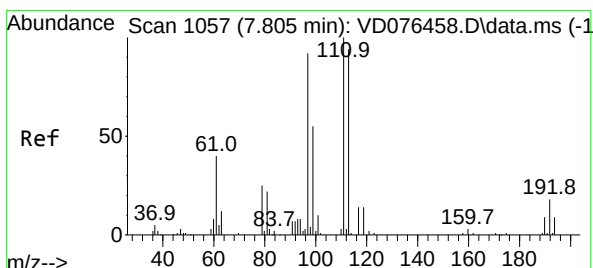
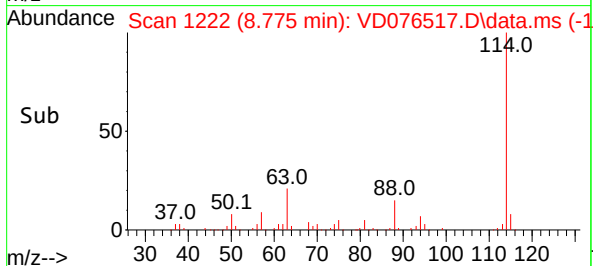
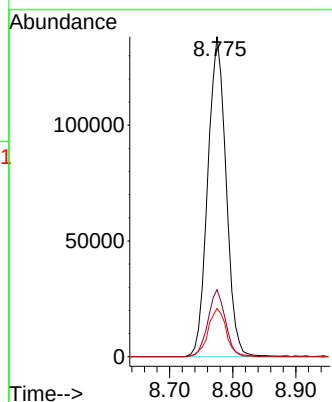
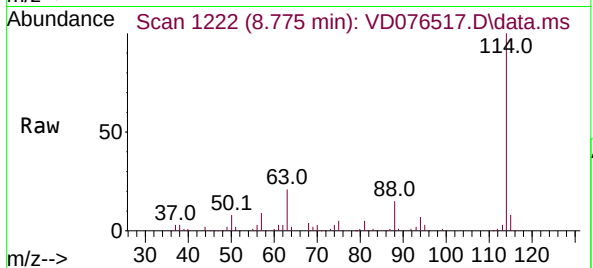
Tgt Ion:114 Resp: 278818

Ion Ratio Lower Upper

114 100

63 21.0 0.0 33.4

88 15.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 55.812 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076517.D

Acq: 21 Jun 2023 17:21

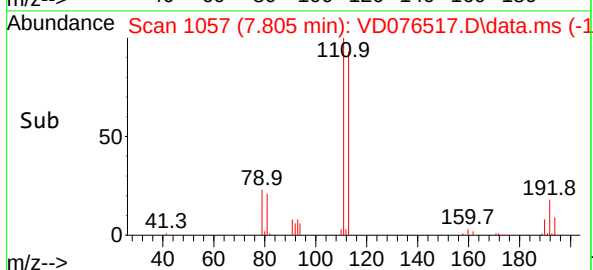
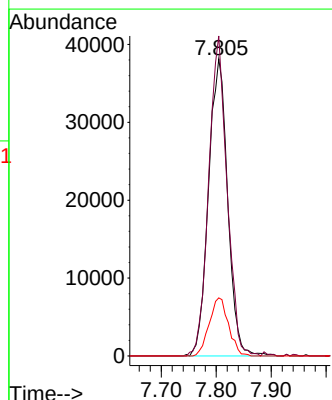
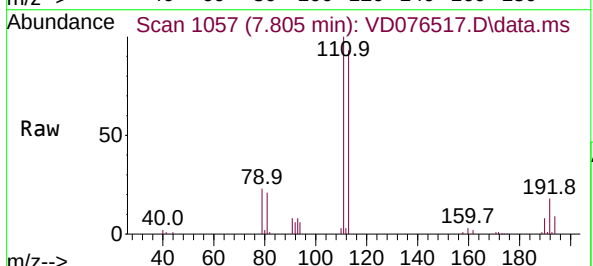
Tgt Ion:113 Resp: 92446

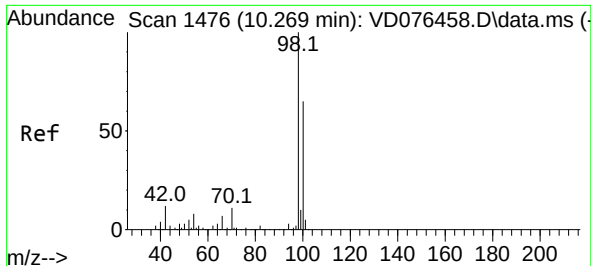
Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 19.6 16.8 25.2

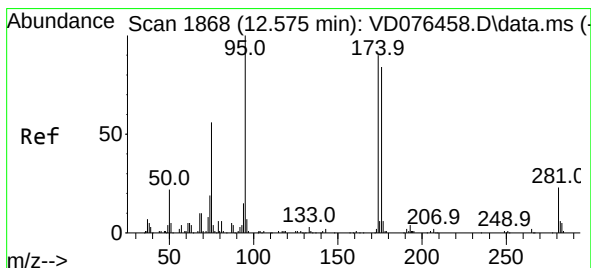
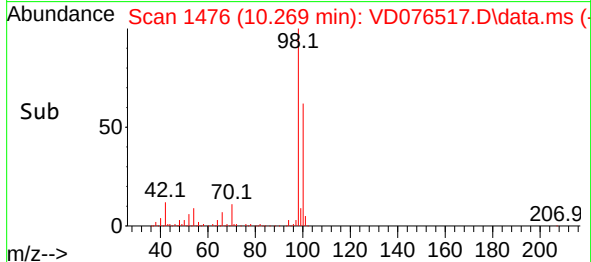
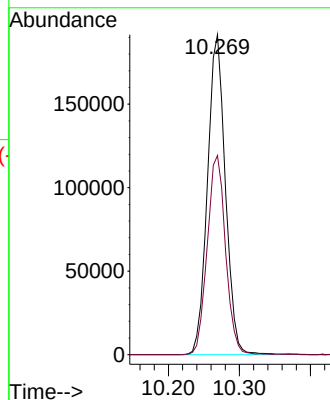
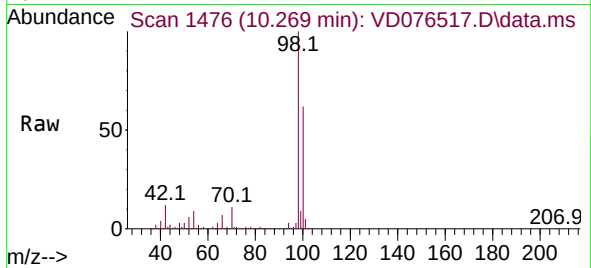




#50
Toluene-d8
Concen: 53.368 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076517.D
Acq: 21 Jun 2023 17:21

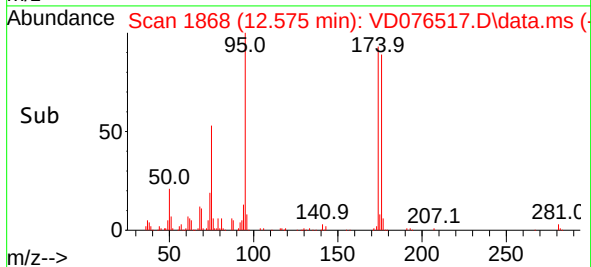
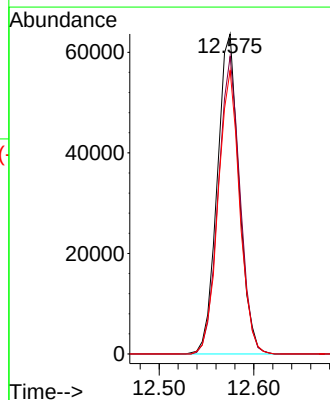
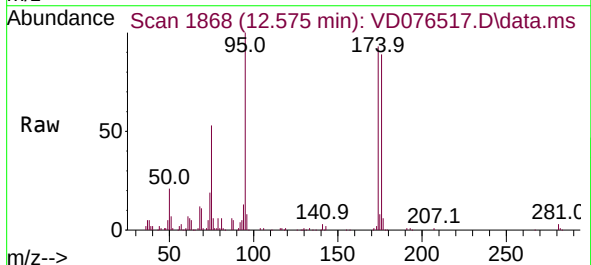
Instrument :
MSVOA_D
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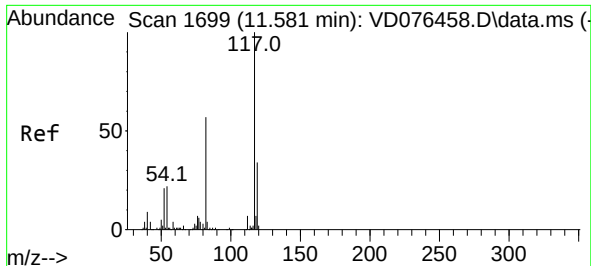
Tgt Ion: 98 Resp: 335240
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.909 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076517.D
Acq: 21 Jun 2023 17:21

Tgt Ion: 95 Resp: 101749
Ion Ratio Lower Upper
95 100
174 92.2 0.0 201.8
176 87.4 0.0 191.8

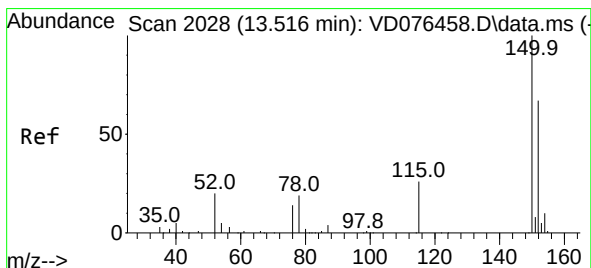
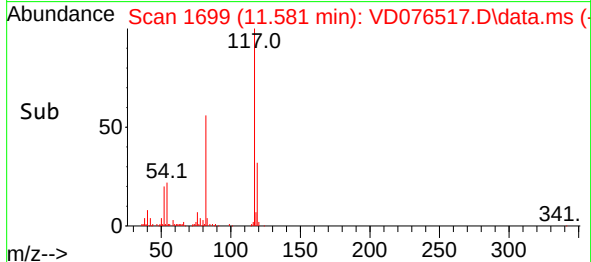
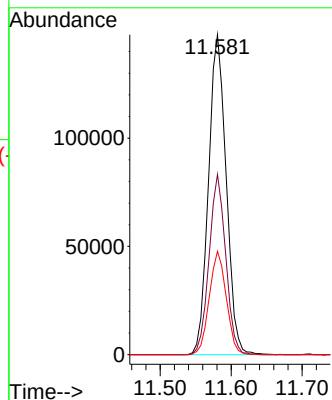
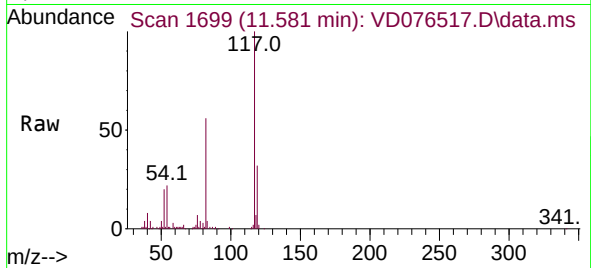




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076517.D
Acq: 21 Jun 2023 17:21

Instrument :
MSVOA_D
ClientSampleId :
SB-2

Tgt Ion:117 Resp: 255450
Ion Ratio Lower Upper
117 100
82 56.4 38.3 57.5
119 32.3 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: VD076517.D
Acq: 21 Jun 2023 17:21

Tgt Ion:152 Resp: 116376
Ion Ratio Lower Upper
152 100
115 57.4 27.1 81.3
150 158.8 0.0 353.6

