

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040723\
 Data File : VD075603.D
 Acq On : 07 Apr 2023 16:16
 Operator : KP/SY
 Sample : 02191-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

Quant Time: Apr 10 02:07:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 23:52:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	5667	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	10625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	16106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	5681	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	7341	142.762	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	285.520%#
35) Dibromofluoromethane	7.804	113	6706	92.153	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	184.300%#
50) Toluene-d8	10.269	98	21718	75.547	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	151.100%#
62) 4-Bromofluorobenzene	12.575	95	5254	63.222	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	126.440%

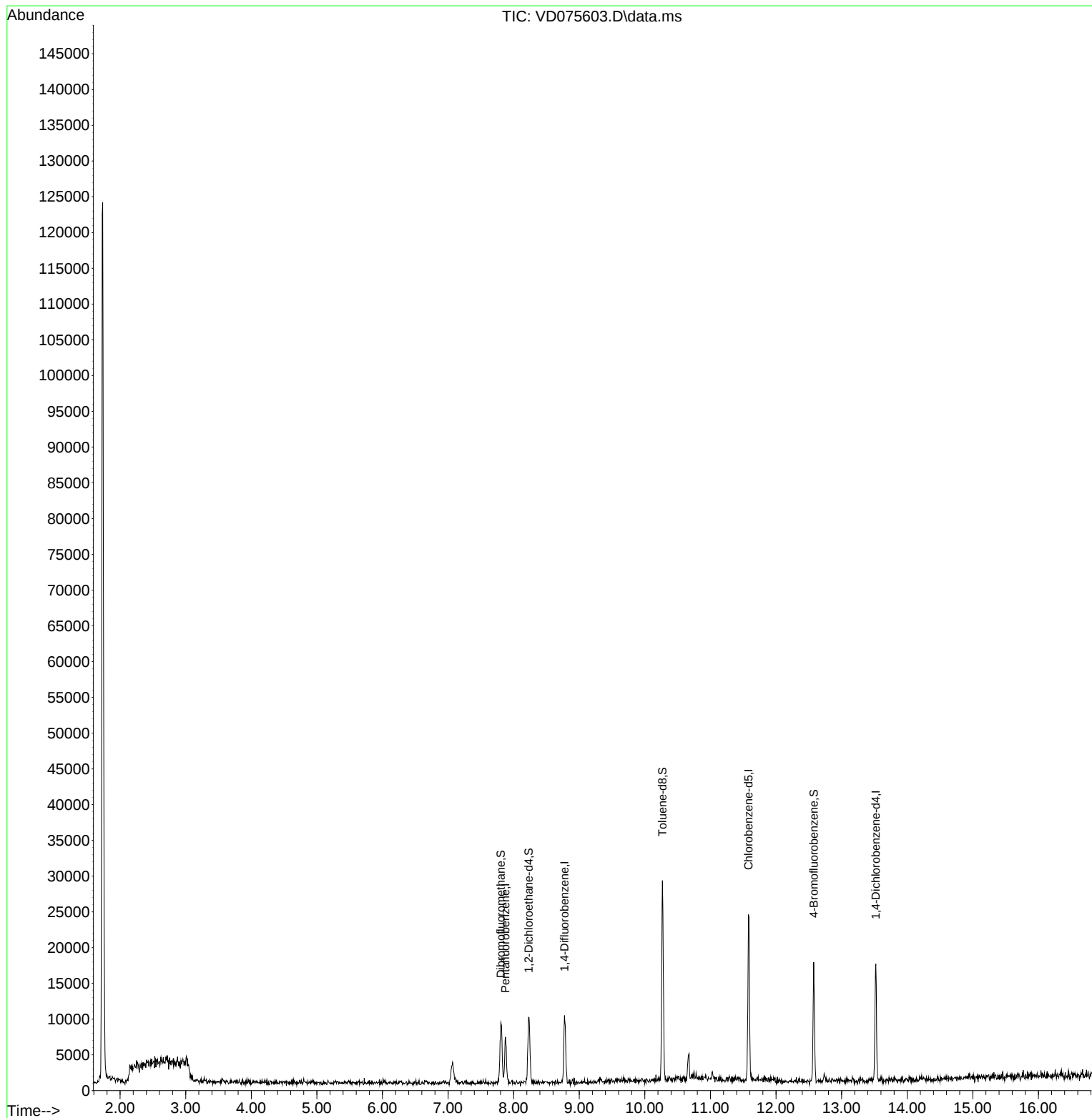
Target Compounds	Qvalue

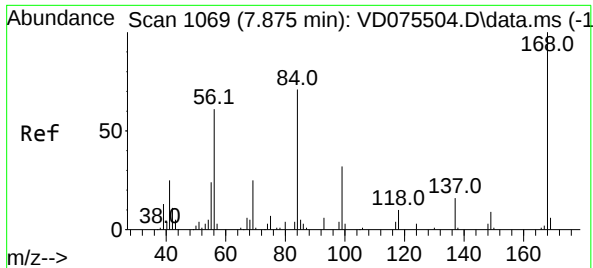
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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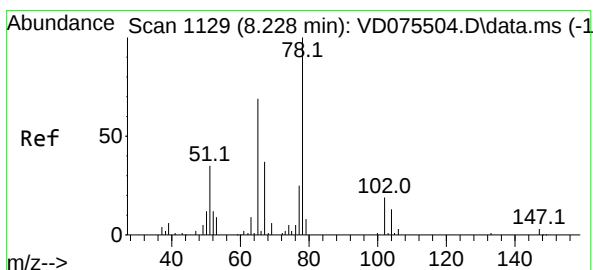
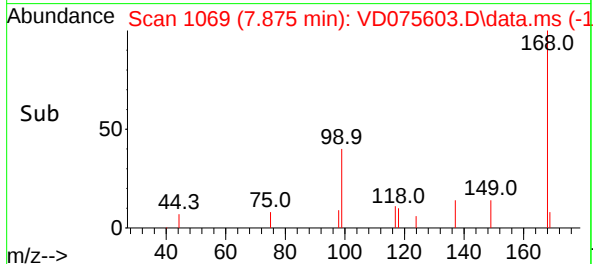
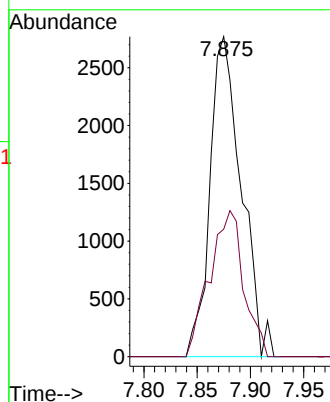
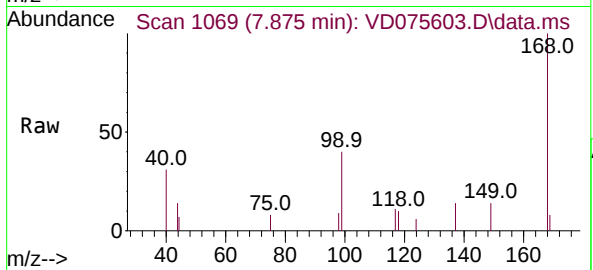




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

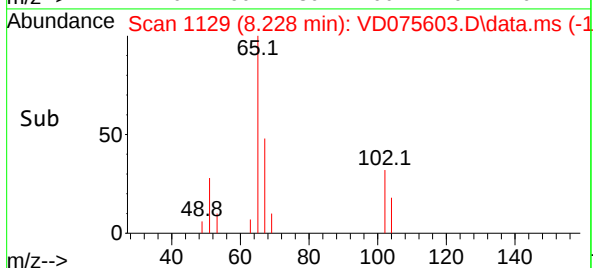
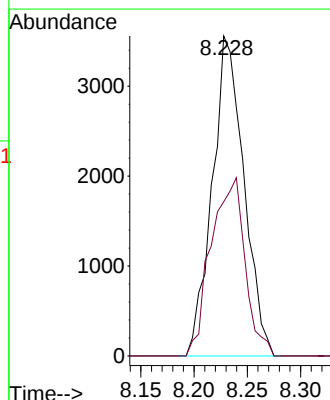
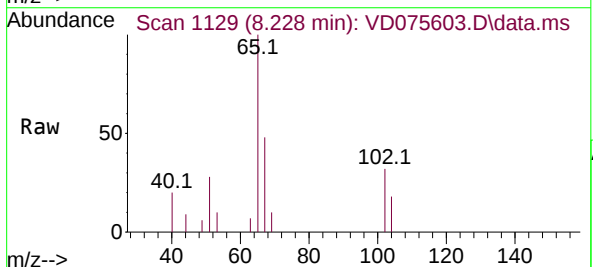
Instrument :
MSVOA_D
ClientSampleId :
72-11982

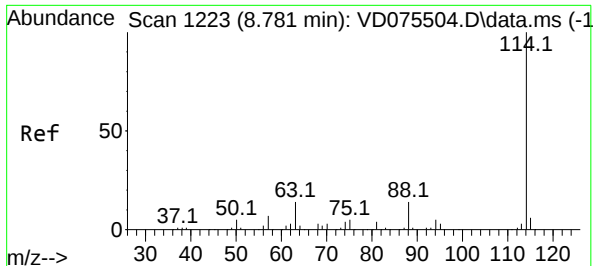
Tgt Ion:168 Resp: 5667
Ion Ratio Lower Upper
168 100
99 39.9 43.8 65.6#



#33
1,2-Dichloroethane-d4
Concen: 142.762 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

Tgt Ion: 65 Resp: 7341
Ion Ratio Lower Upper
65 100
67 59.9 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075603.D

Acq: 07 Apr 2023 16:16

Instrument :

MSVOA_D

ClientSampleId :

72-11982

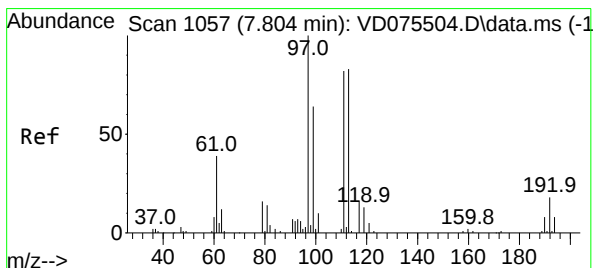
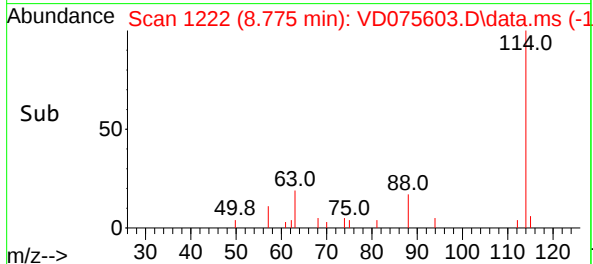
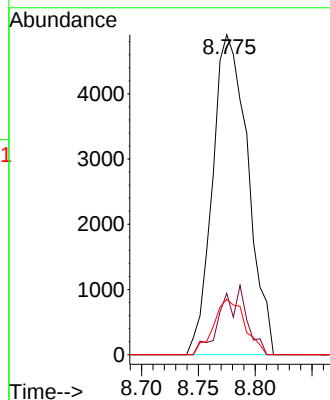
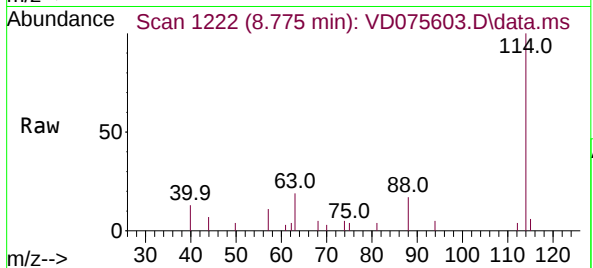
Tgt Ion:114 Resp: 10625

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.6

88 17.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 92.153 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075603.D

Acq: 07 Apr 2023 16:16

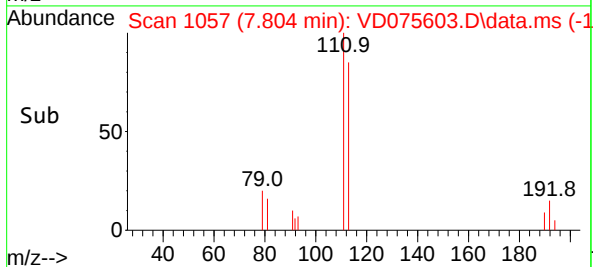
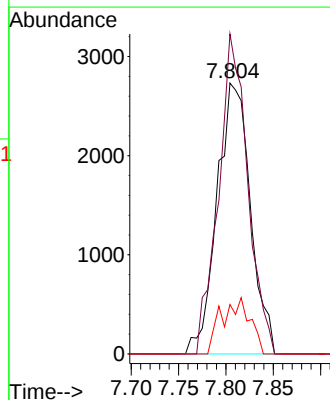
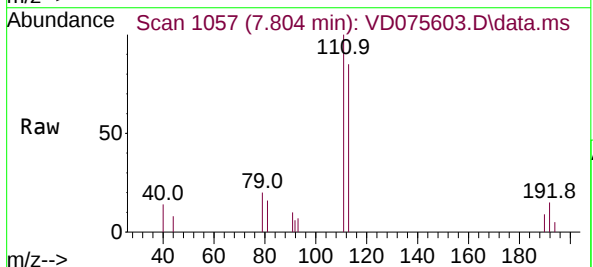
Tgt Ion:113 Resp: 6706

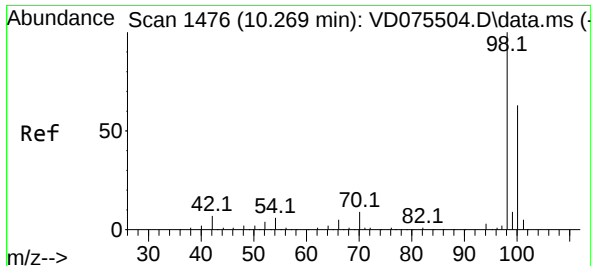
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 17.6 15.2 22.8

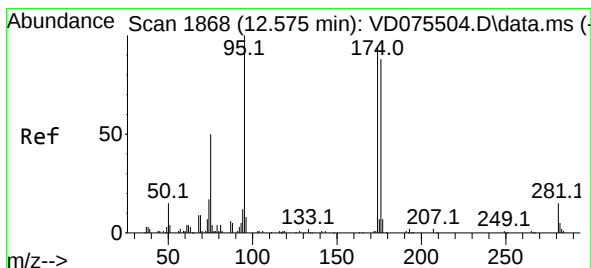
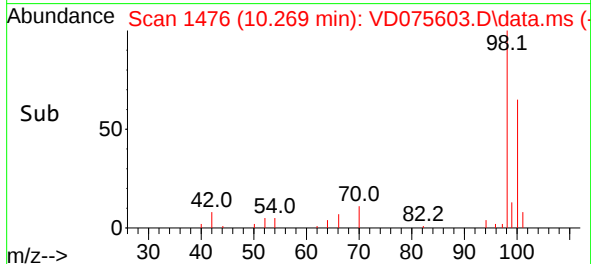
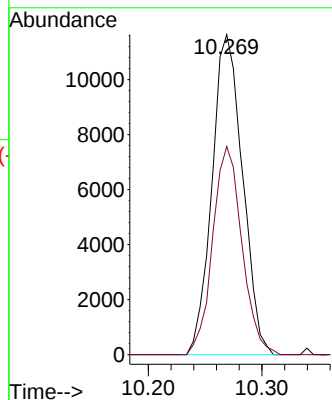
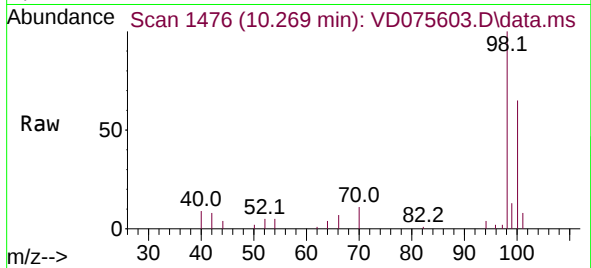




#50
Toluene-d8
Concen: 75.547 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

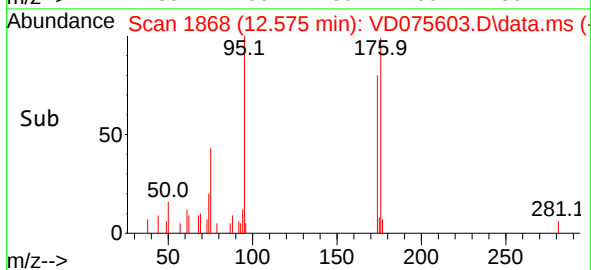
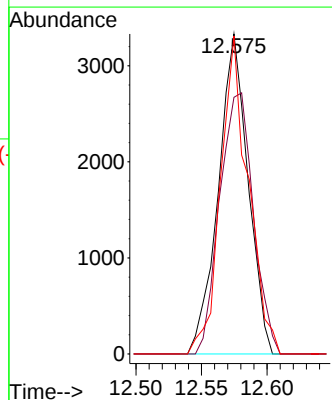
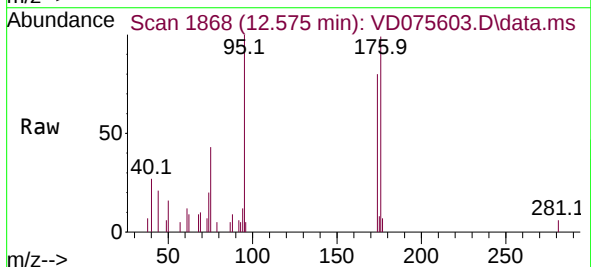
Instrument :
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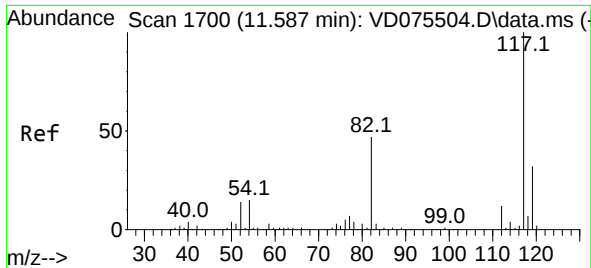
Tgt Ion: 98 Resp: 21718
Ion Ratio Lower Upper
98 100
100 62.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 63.222 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

Tgt Ion: 95 Resp: 5254
Ion Ratio Lower Upper
95 100
174 92.1 0.0 164.0
176 92.7 0.0 156.8

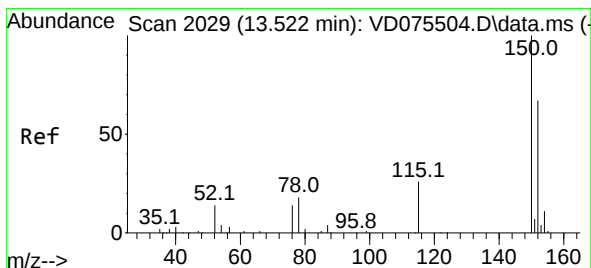
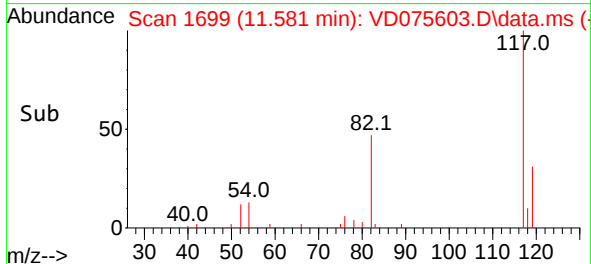
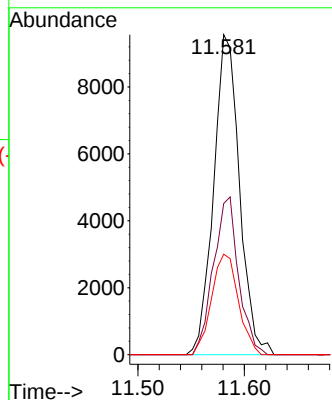
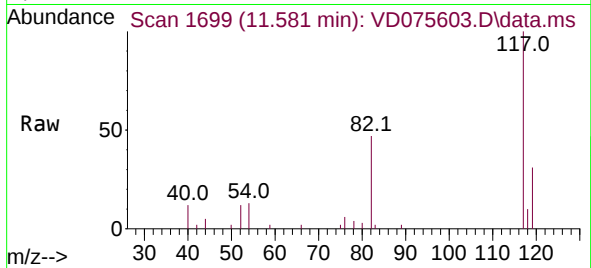




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

Instrument :
MSVOA_D
ClientSampleId :
72-11982

Tgt Ion:117 Resp: 16106
Ion Ratio Lower Upper
117 100
82 47.2 44.0 66.0
119 31.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

Tgt Ion:152 Resp: 5681
Ion Ratio Lower Upper
152 100
115 56.1 30.1 90.3
150 143.5 0.0 364.8

