

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052323\
 Data File : VD076202.D
 Acq On : 23 May 2023 19:30
 Operator : KP/SY
 Sample : 02867-01
 Misc : 3.56G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP16

Quant Time: May 24 06:43:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	4036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	9020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	9030	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	3616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	3605	92.420	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 184.840%#	
35) Dibromofluoromethane	7.799	113	3326	53.346	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.700%	
50) Toluene-d8	10.263	98	7804	32.109	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 64.220%	
62) 4-Bromofluorobenzene	12.575	95	3196	47.337	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.680%	

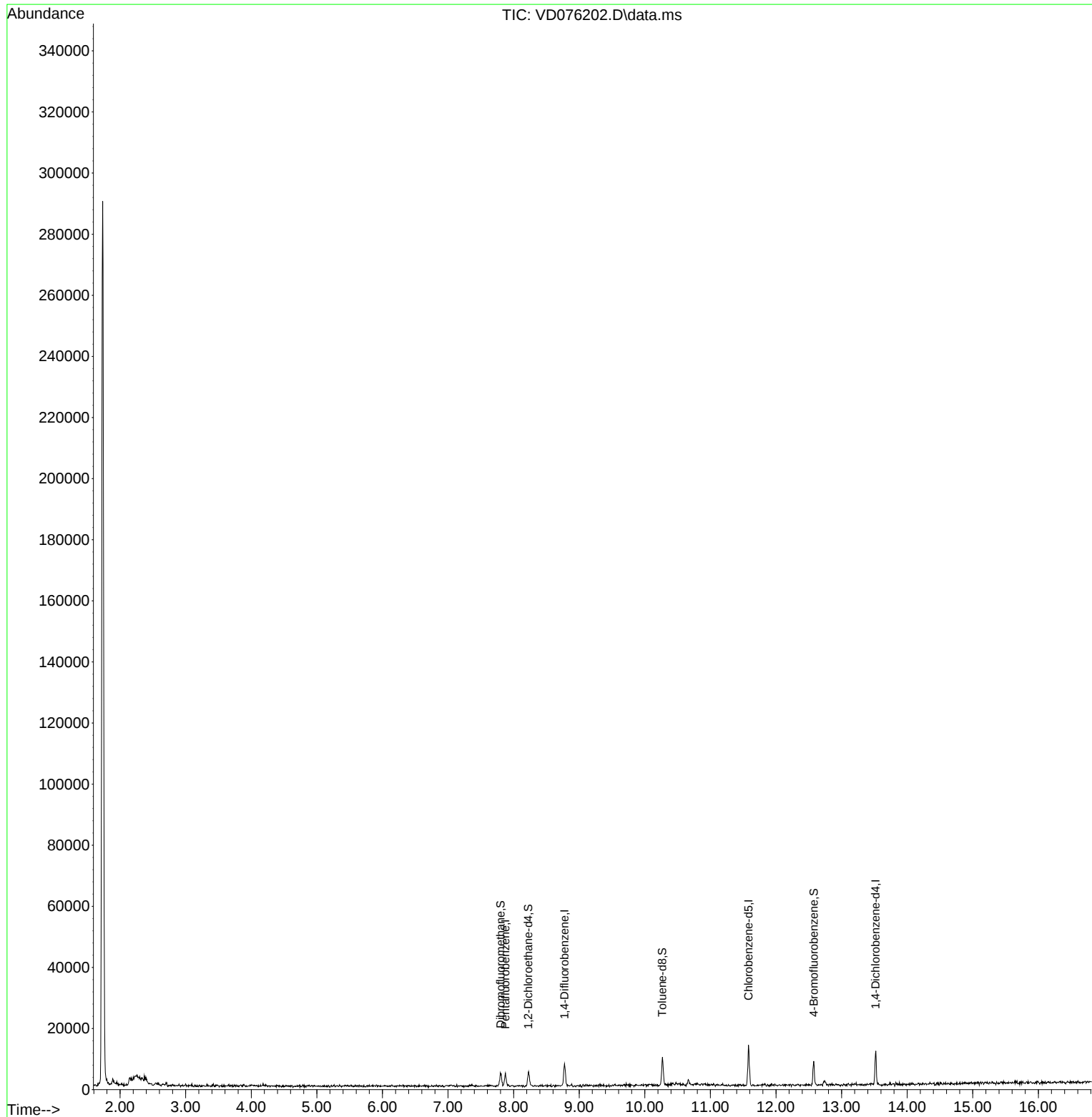
Target Compounds	Qvalue

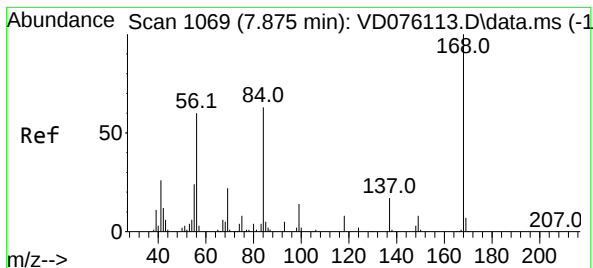
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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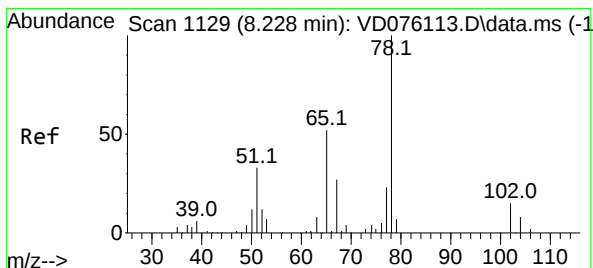
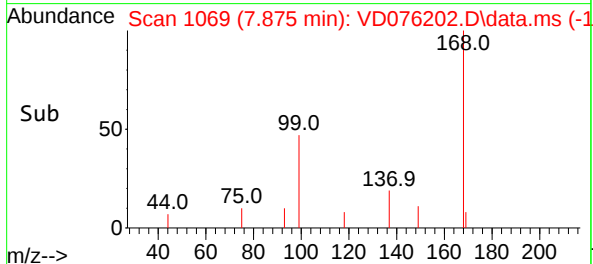
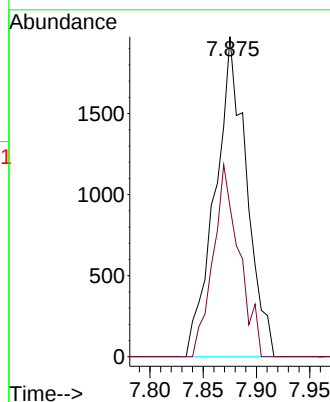
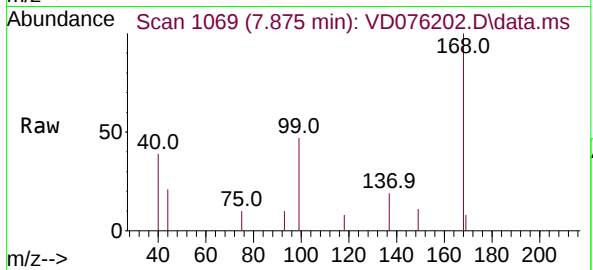




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076202.D
Acq: 23 May 2023 19:30

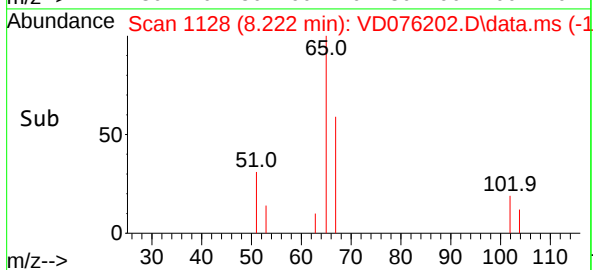
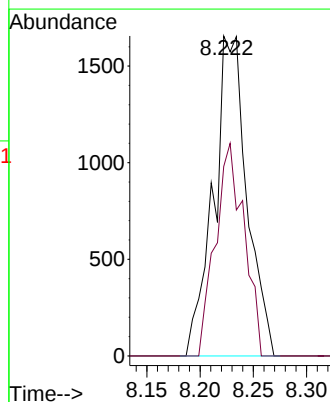
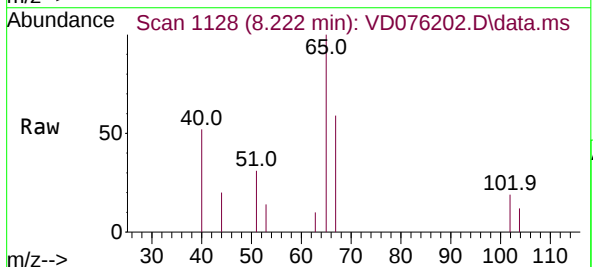
Instrument :
MSVOA_D
ClientSampleId :
TP16

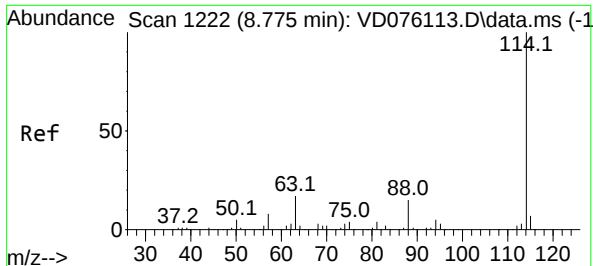
Tgt Ion:168 Resp: 4036
Ion Ratio Lower Upper
168 100
99 46.9 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 92.420 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.012 min
Lab File: VD076202.D
Acq: 23 May 2023 19:30

Tgt Ion: 65 Resp: 3605
Ion Ratio Lower Upper
65 100
67 56.8 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076202.D

Acq: 23 May 2023 19:30

Instrument :

MSVOA_D

ClientSampleId :

TP16

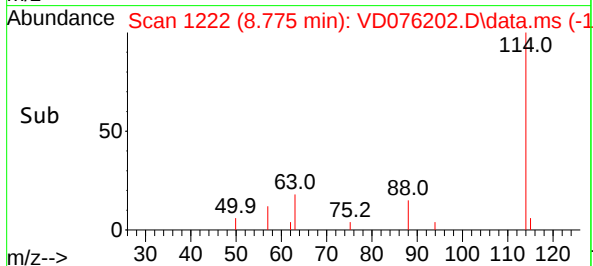
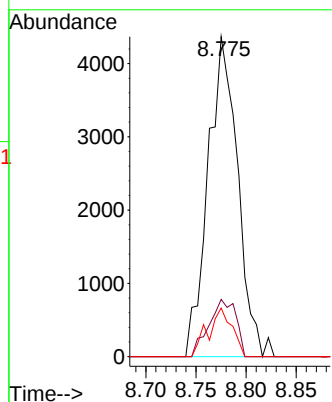
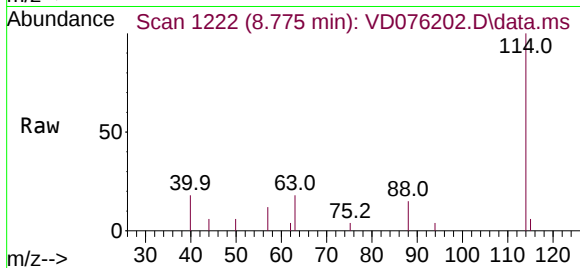
Tgt Ion:114 Resp: 9020

Ion Ratio Lower Upper

114 100

63 17.9 0.0 41.6

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.346 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076202.D

Acq: 23 May 2023 19:30

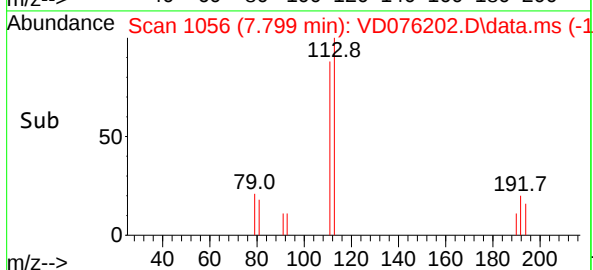
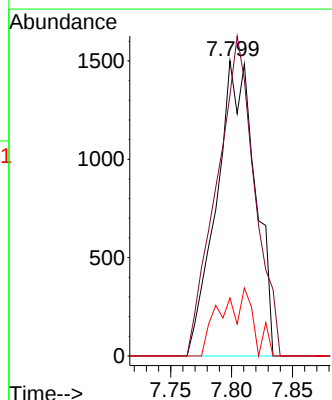
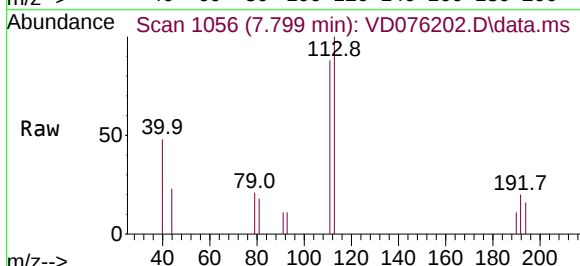
Tgt Ion:113 Resp: 3326

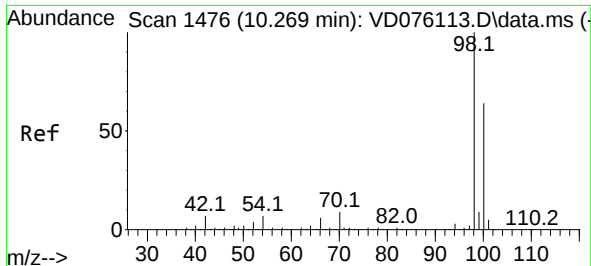
Ion Ratio Lower Upper

113 100

111 106.1 81.4 122.0

192 19.4 15.2 22.8

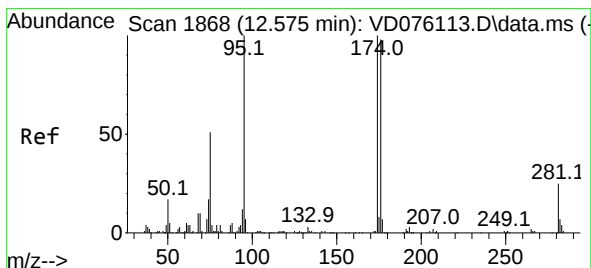
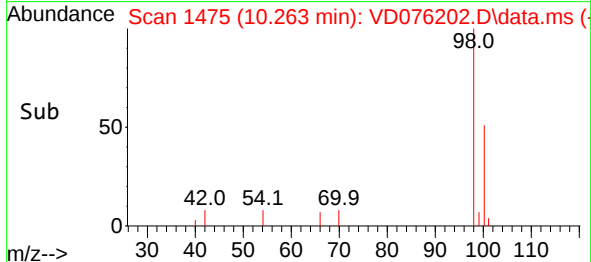
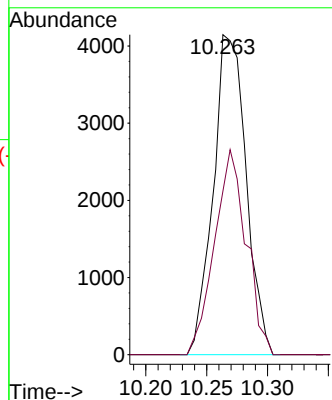
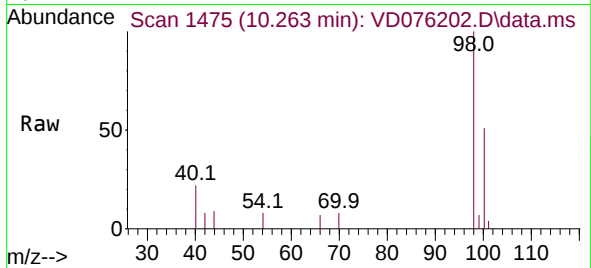




#50
Toluene-d8
Concen: 32.109 ug/l
RT: 10.263 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VD076202.D
Acq: 23 May 2023 19:30

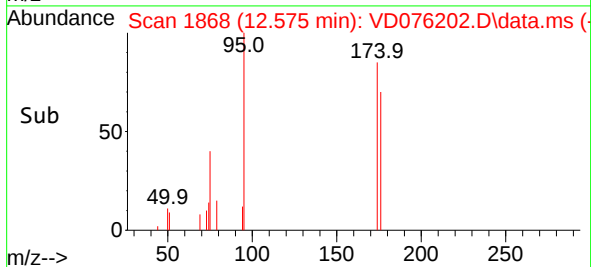
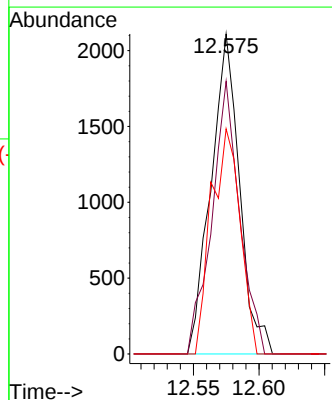
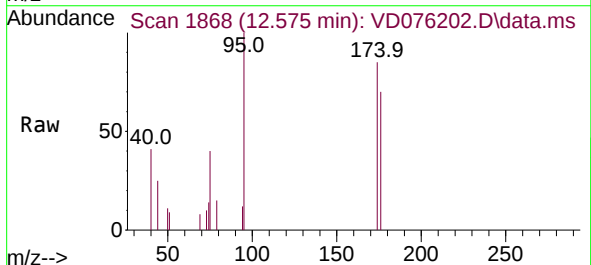
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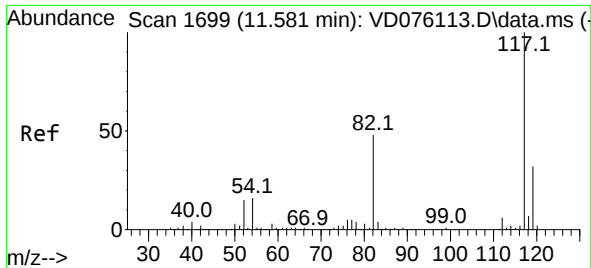
Tgt Ion: 98 Resp: 7804
Ion Ratio Lower Upper
98 100
100 62.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.337 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076202.D
Acq: 23 May 2023 19:30

Tgt Ion: 95 Resp: 3196
Ion Ratio Lower Upper
95 100
174 82.7 0.0 164.0
176 71.0 0.0 156.8

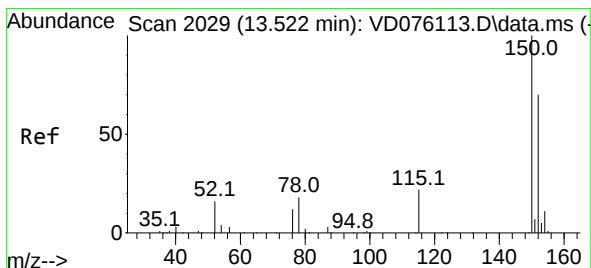
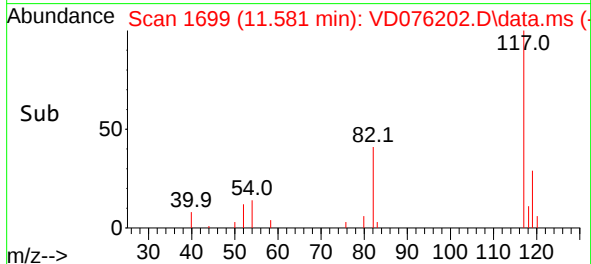
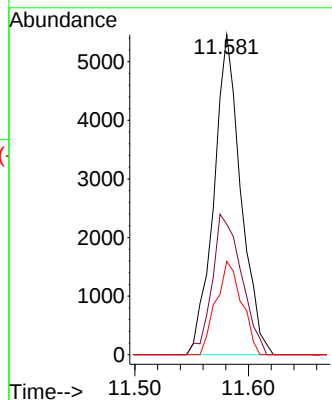
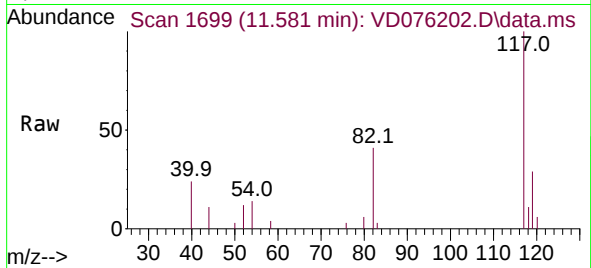




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076202.D
Acq: 23 May 2023 19:30

Instrument :
MSVOA_D
ClientSampleId :
TP16

Tgt Ion:117 Resp: 9030
Ion Ratio Lower Upper
117 100
82 40.7 44.0 66.0#
119 29.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076202.D
Acq: 23 May 2023 19:30

Tgt Ion:152 Resp: 3616
Ion Ratio Lower Upper
152 100
115 49.3 30.1 90.3
150 149.9 0.0 364.8

