

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042321\
 Data File : VD068974.D
 Acq On : 23 Apr 2021 18:21
 Operator : VA/SY
 Sample : M2152-10
 Misc : 6.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4-VOC-TCL

Quant Time: Apr 26 09:52:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	298531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	513185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	607702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	316314	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	126967	40.24	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.48%
35) Dibromofluoromethane	7.914	113	157741	47.26	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.52%
50) Toluene-d8	10.338	98	650379	51.65	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.30%
62) 4-Bromofluorobenzene	12.632	95	281135	67.22	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	134.44%

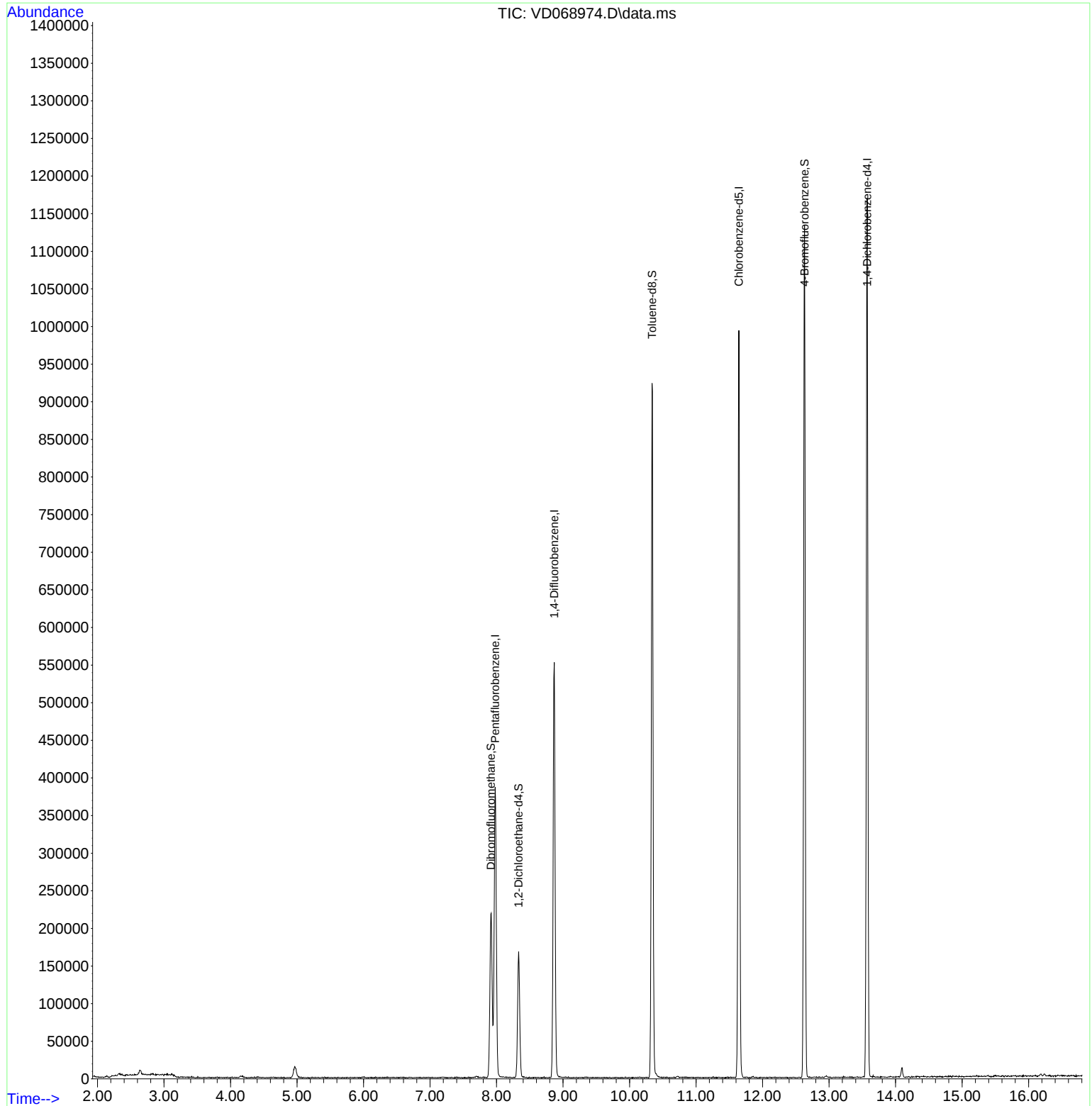
Target Compounds	Qvalue

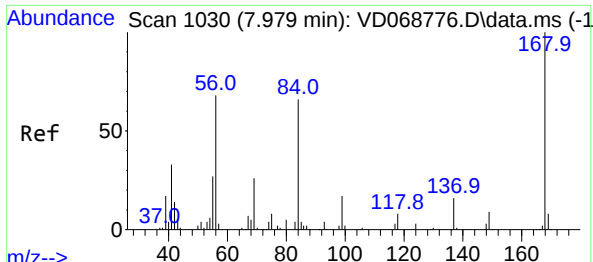
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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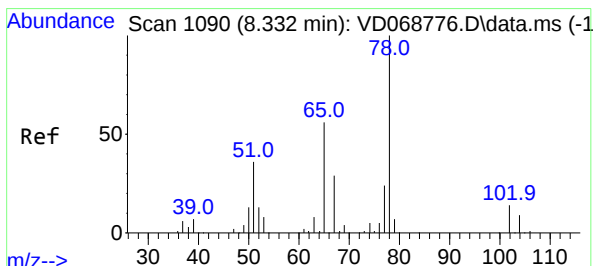
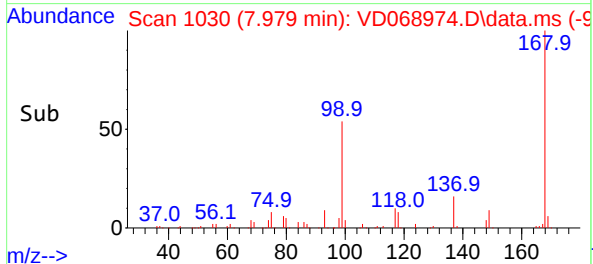
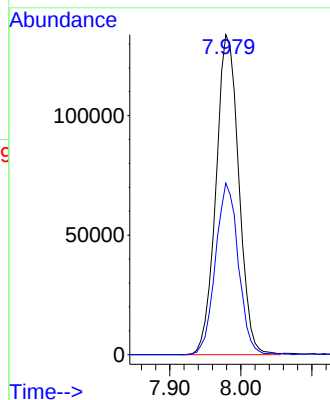
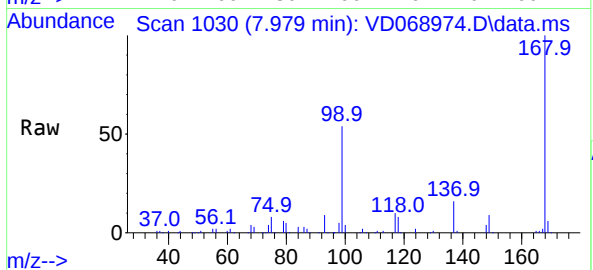




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068974.D
Acq: 23 Apr 2021 18:21

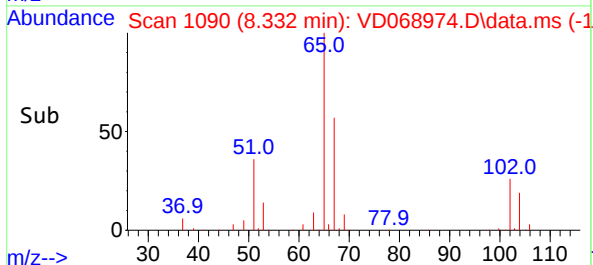
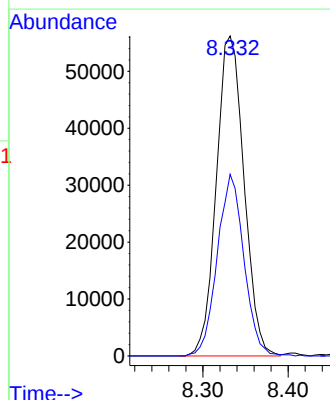
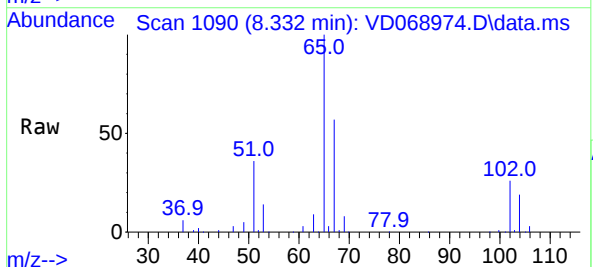
Instrument :
MSVOA_D
ClientSampleId :
TP-4-VOC-TCL

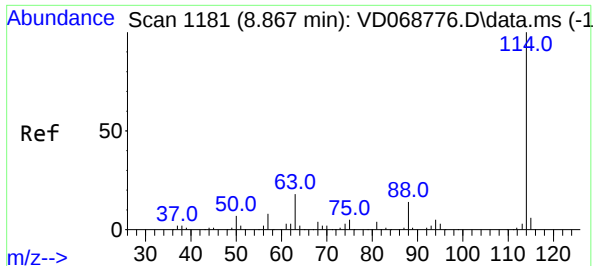
Tgt Ion:168 Resp: 298531
Ion Ratio Lower Upper
168 100
99 53.6 46.2 69.2



#33
1,2-Dichloroethane-d4
Concen: 40.24 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068974.D
Acq: 23 Apr 2021 18:21

Tgt Ion: 65 Resp: 126967
Ion Ratio Lower Upper
65 100
67 54.7 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068974.D

Acq: 23 Apr 2021 18:21

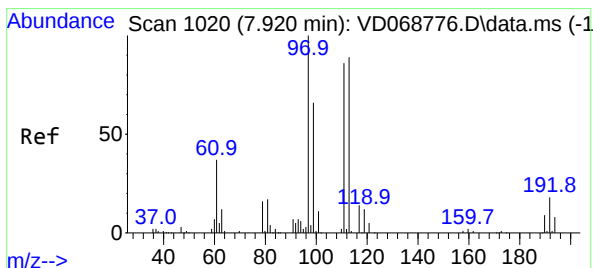
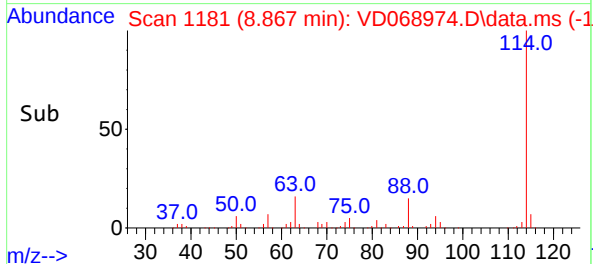
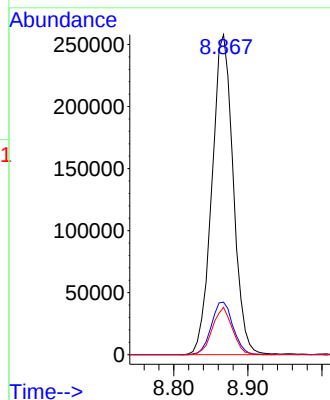
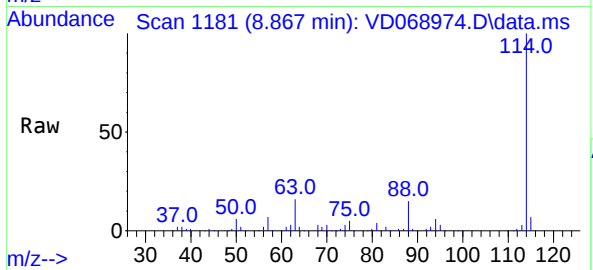
Tgt Ion:114 Resp: 513185

Ion Ratio Lower Upper

114 100

63 16.4 0.0 38.2

88 14.8 0.0 29.4



#35

Dibromofluoromethane

Concen: 47.26 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068974.D

Acq: 23 Apr 2021 18:21

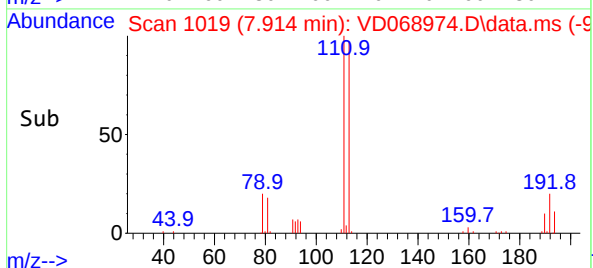
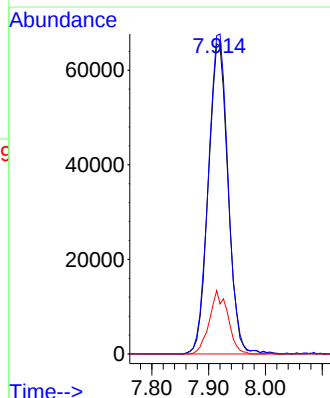
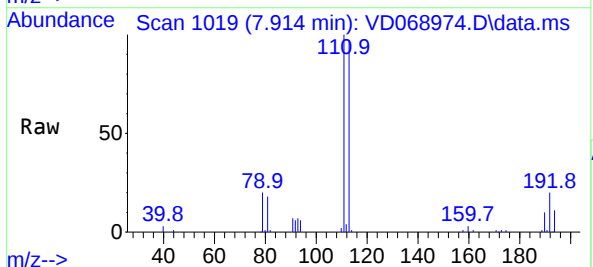
Tgt Ion:113 Resp: 157741

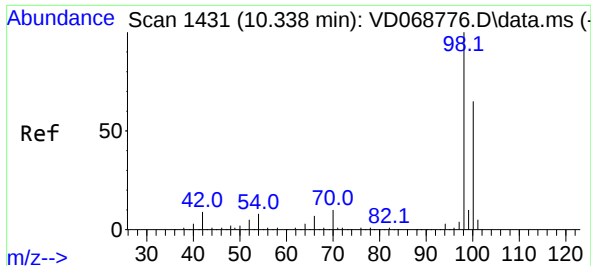
Ion Ratio Lower Upper

113 100

111 103.0 82.5 123.7

192 19.2 15.1 22.7

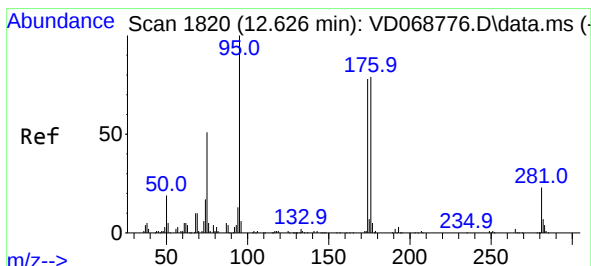
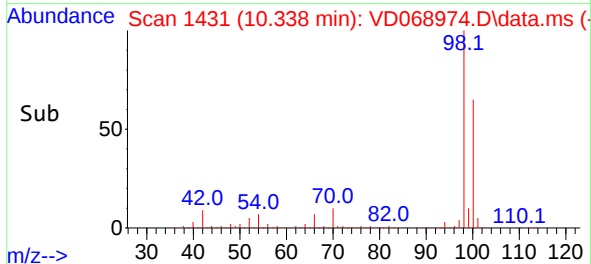
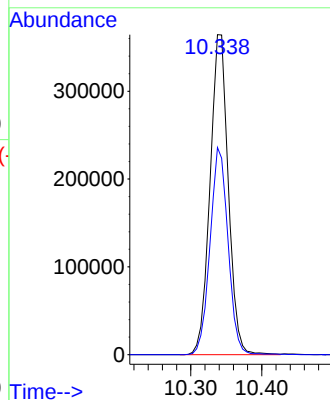
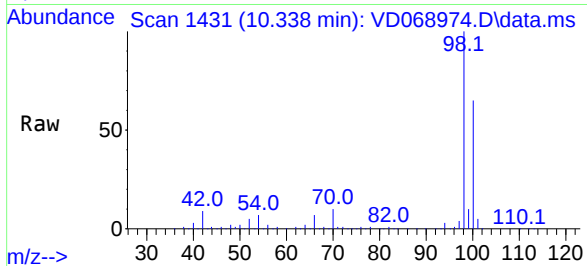




#50
Toluene-d8
Concen: 51.65 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068974.D
Acq: 23 Apr 2021 18:21

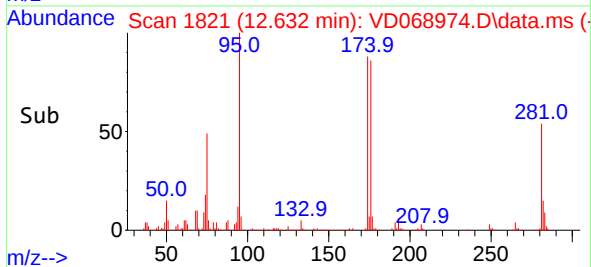
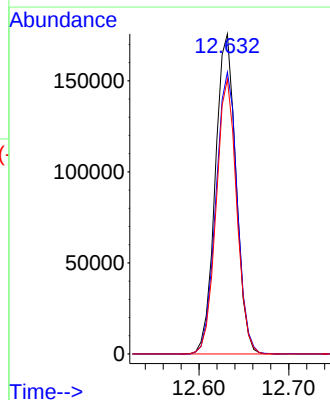
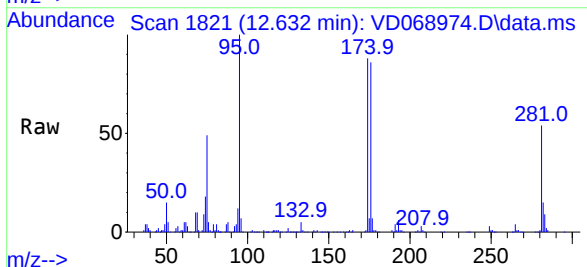
Instrument :
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TP-4-VOC-TCL

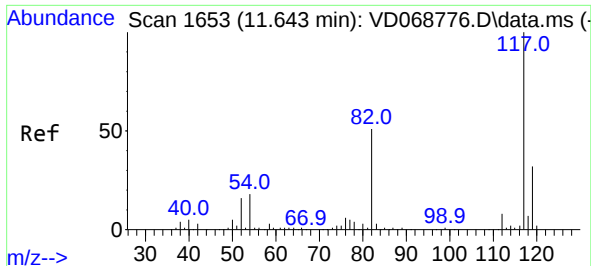
Tgt Ion: 98 Resp: 650379
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 67.22 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068974.D
Acq: 23 Apr 2021 18:21

Tgt Ion: 95 Resp: 281135
Ion Ratio Lower Upper
95 100
174 90.6 0.0 168.0
176 84.9 0.0 160.2

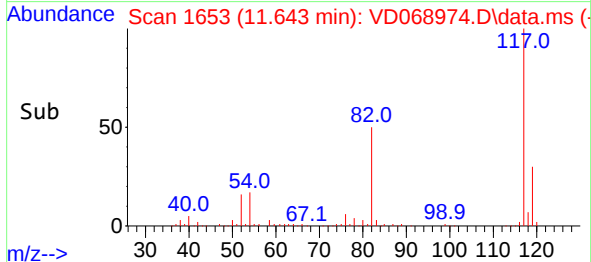
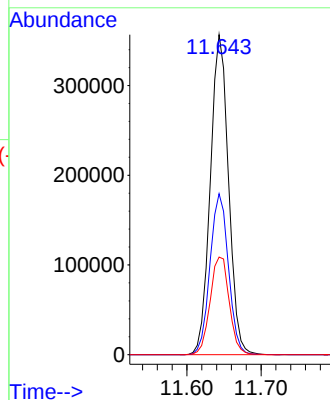
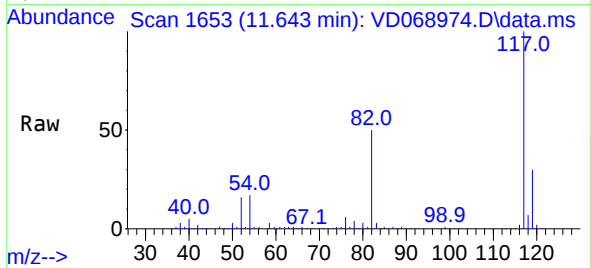




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068974.D
Acq: 23 Apr 2021 18:21

Instrument :
MSVOA_D
ClientSampleId :
TP-4-VOC-TCL

Tgt Ion:117 Resp: 607702
Ion Ratio Lower Upper
117 100
82 50.3 43.5 65.3
119 30.5 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068974.D
Acq: 23 Apr 2021 18:21

Tgt Ion:152 Resp: 316314
Ion Ratio Lower Upper
152 100
115 57.5 29.3 87.8
150 158.8 0.0 347.6

