

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030424\
 Data File : VD078593.D
 Acq On : 04 Mar 2024 18:03
 Operator : RP/MD
 Sample : P1669-03
 Misc : 3.78G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-14-VOC

Quant Time: Mar 05 06:11:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 03:50:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	73315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	142823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	145828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	64211	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	58818	80.931	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	161.860%
35) Dibromofluoromethane	7.810	113	53754	57.859	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.720%
50) Toluene-d8	10.269	98	176740	48.957	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.920%
62) 4-Bromofluorobenzene	12.569	95	49047	47.567	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.140%

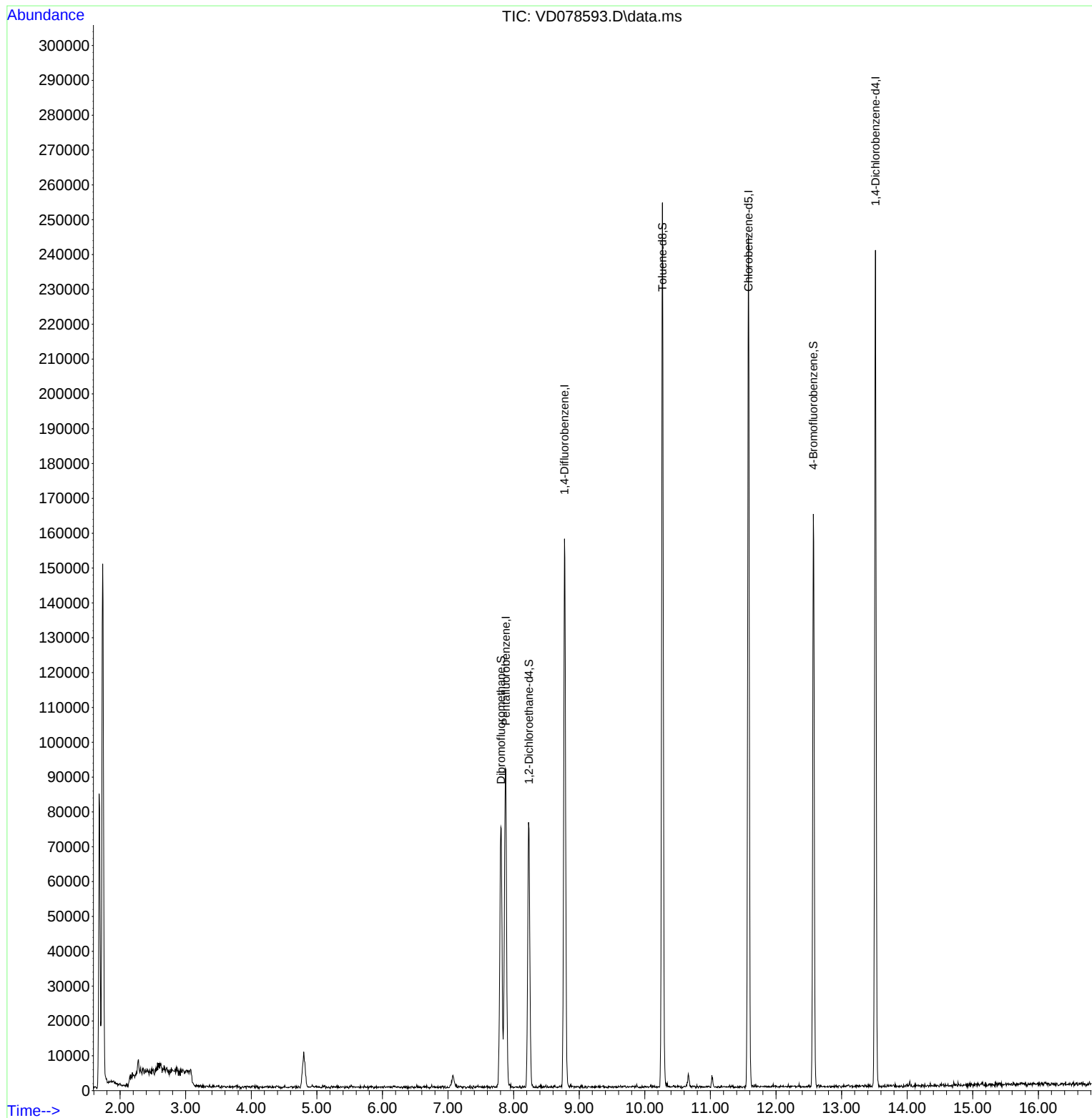
Target Compounds	Qvalue

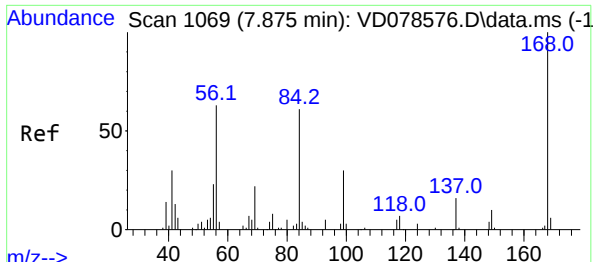
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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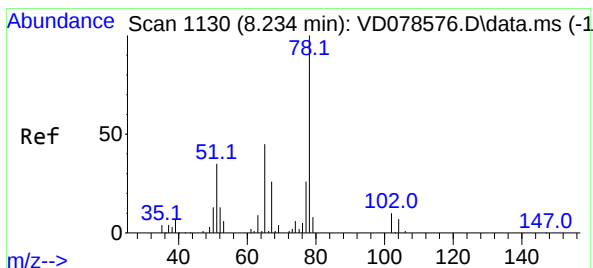
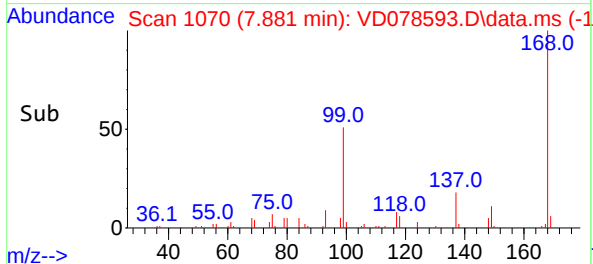
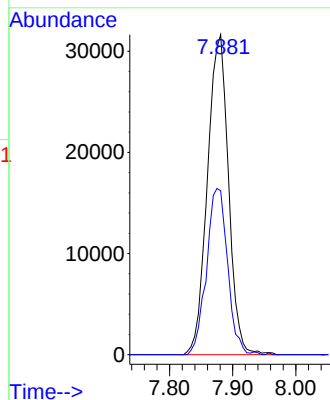
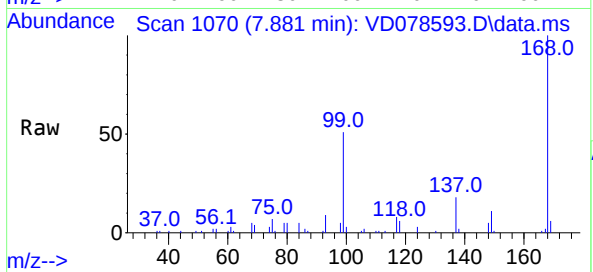




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078593.D
Acq: 04 Mar 2024 18:03

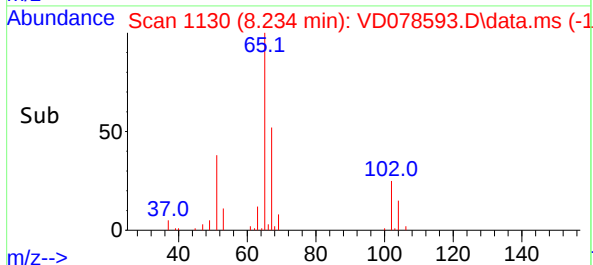
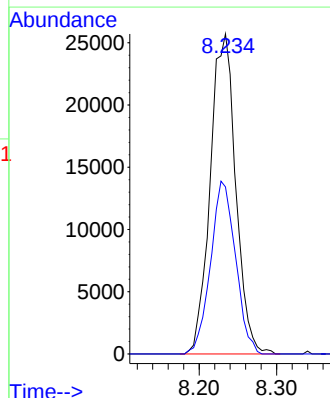
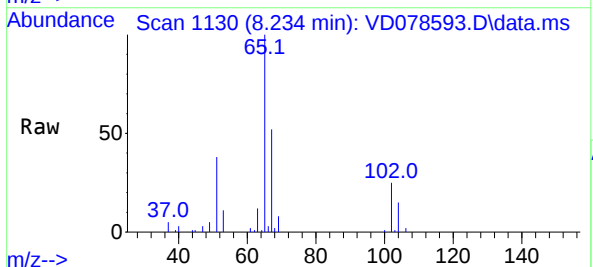
Instrument :
MSVOA_D
ClientSampleId :
TP-14-VOC

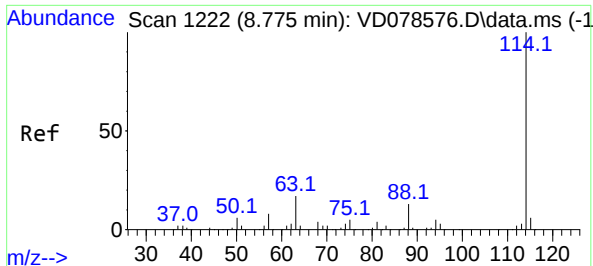
Tgt Ion:168 Resp: 73315
Ion Ratio Lower Upper
168 100
99 51.2 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 80.931 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078593.D
Acq: 04 Mar 2024 18:03

Tgt Ion: 65 Resp: 58818
Ion Ratio Lower Upper
65 100
67 52.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078593.D

Acq: 04 Mar 2024 18:03

Instrument :

MSVOA_D

ClientSampleId :

TP-14-VOC

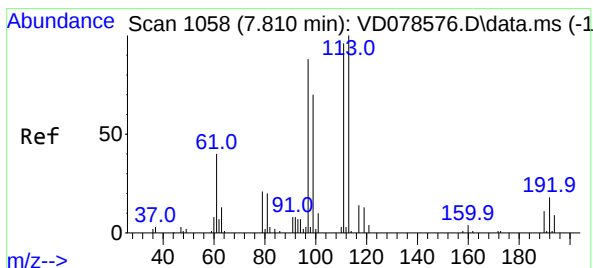
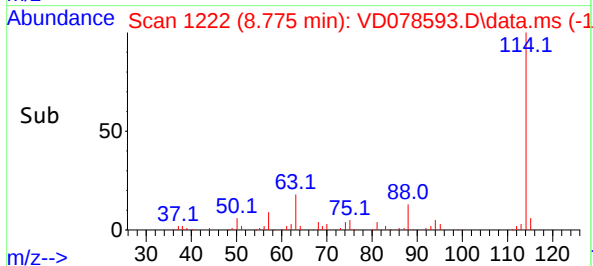
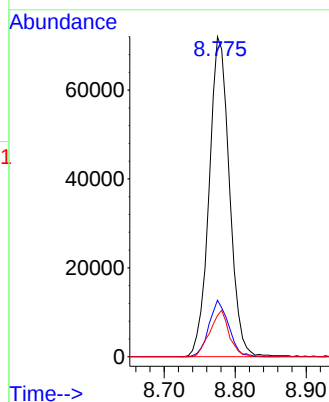
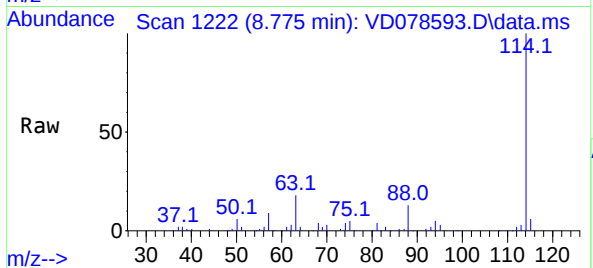
Tgt Ion:114 Resp: 142823

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 12.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 57.859 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078593.D

Acq: 04 Mar 2024 18:03

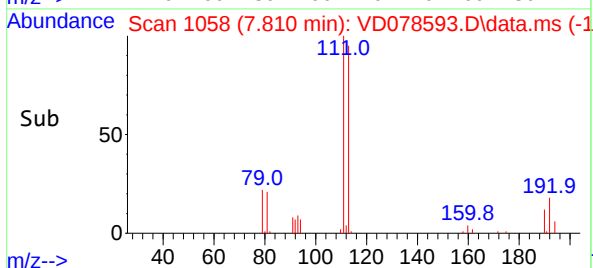
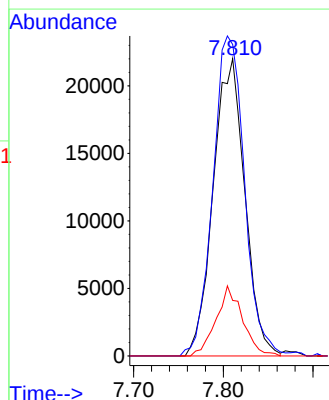
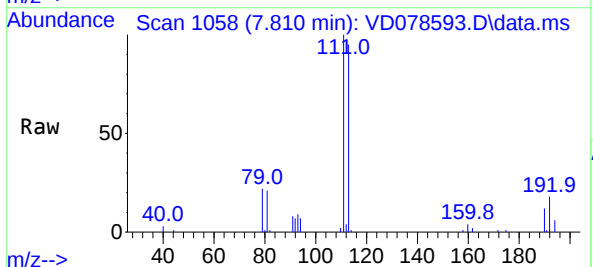
Tgt Ion:113 Resp: 53754

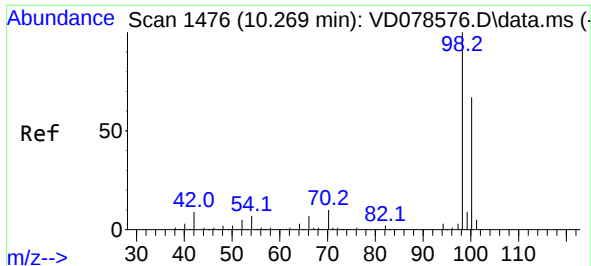
Ion Ratio Lower Upper

113 100

111 108.1 84.7 127.1

192 19.8 16.8 25.2

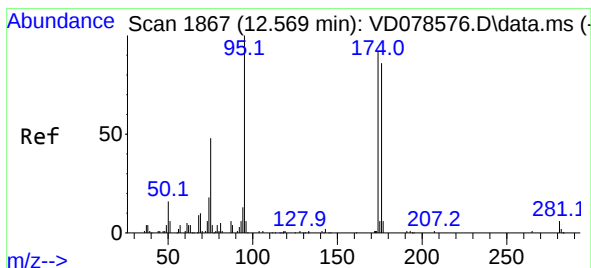
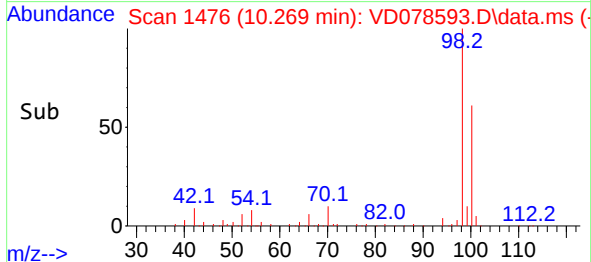
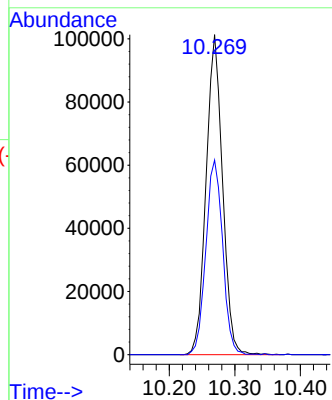
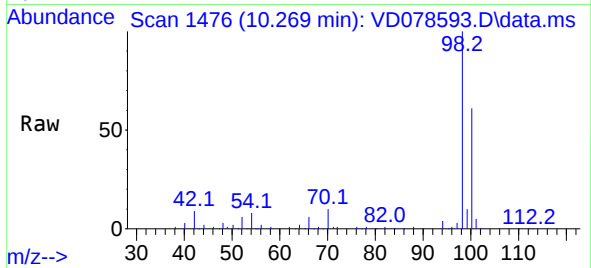




#50
Toluene-d8
Concen: 48.957 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078593.D
Acq: 04 Mar 2024 18:03

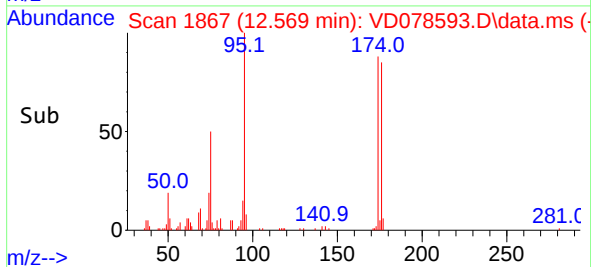
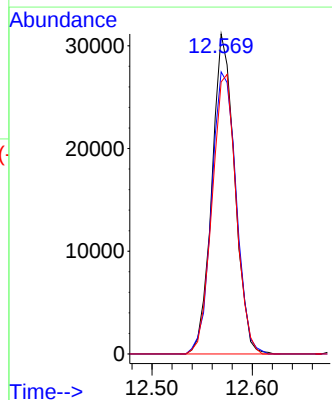
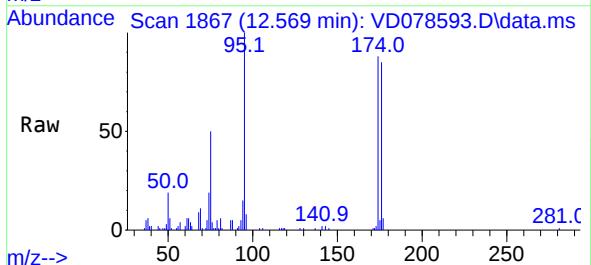
Instrument :
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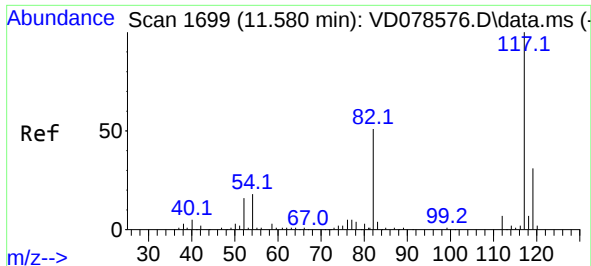
Tgt Ion: 98 Resp: 176740
Ion Ratio Lower Upper
98 100
100 62.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.567 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD078593.D
Acq: 04 Mar 2024 18:03

Tgt Ion: 95 Resp: 49047
Ion Ratio Lower Upper
95 100
174 95.1 0.0 201.8
176 91.9 0.0 191.8

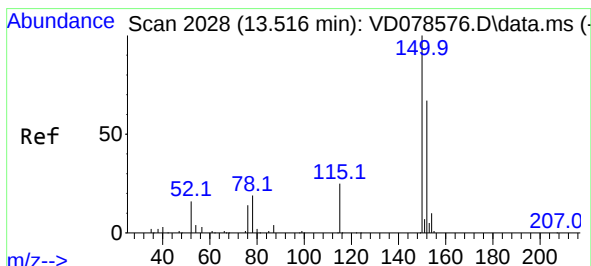
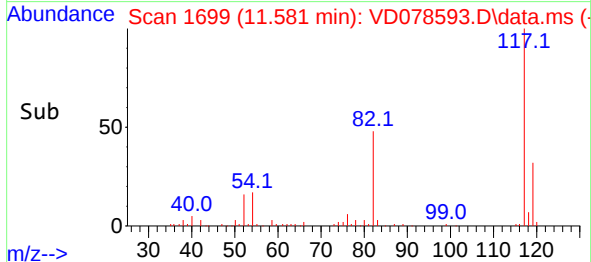
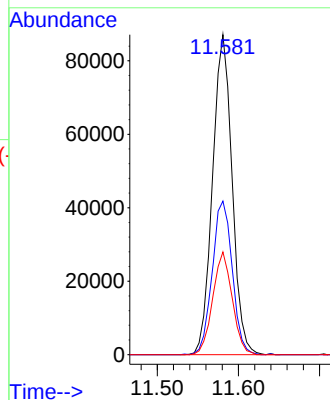
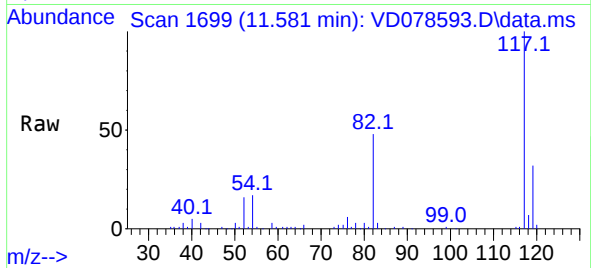




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078593.D
Acq: 04 Mar 2024 18:03

Instrument :
MSVOA_D
ClientSampleId :
TP-14-VOC

Tgt Ion:117 Resp: 145828
Ion Ratio Lower Upper
117 100
82 48.0 38.3 57.5
119 32.1 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: VD078593.D
Acq: 04 Mar 2024 18:03

Tgt Ion:152 Resp: 64211
Ion Ratio Lower Upper
152 100
115 52.8 27.1 81.3
150 156.6 0.0 353.6

