

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020924\
 Data File : VD078392.D
 Acq On : 09 Feb 2024 18:24
 Operator : RP/MD
 Sample : P1453-03
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-VOV

Quant Time: Feb 09 23:03:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 03:58:19 2024
 Response via : Initial Calibration

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

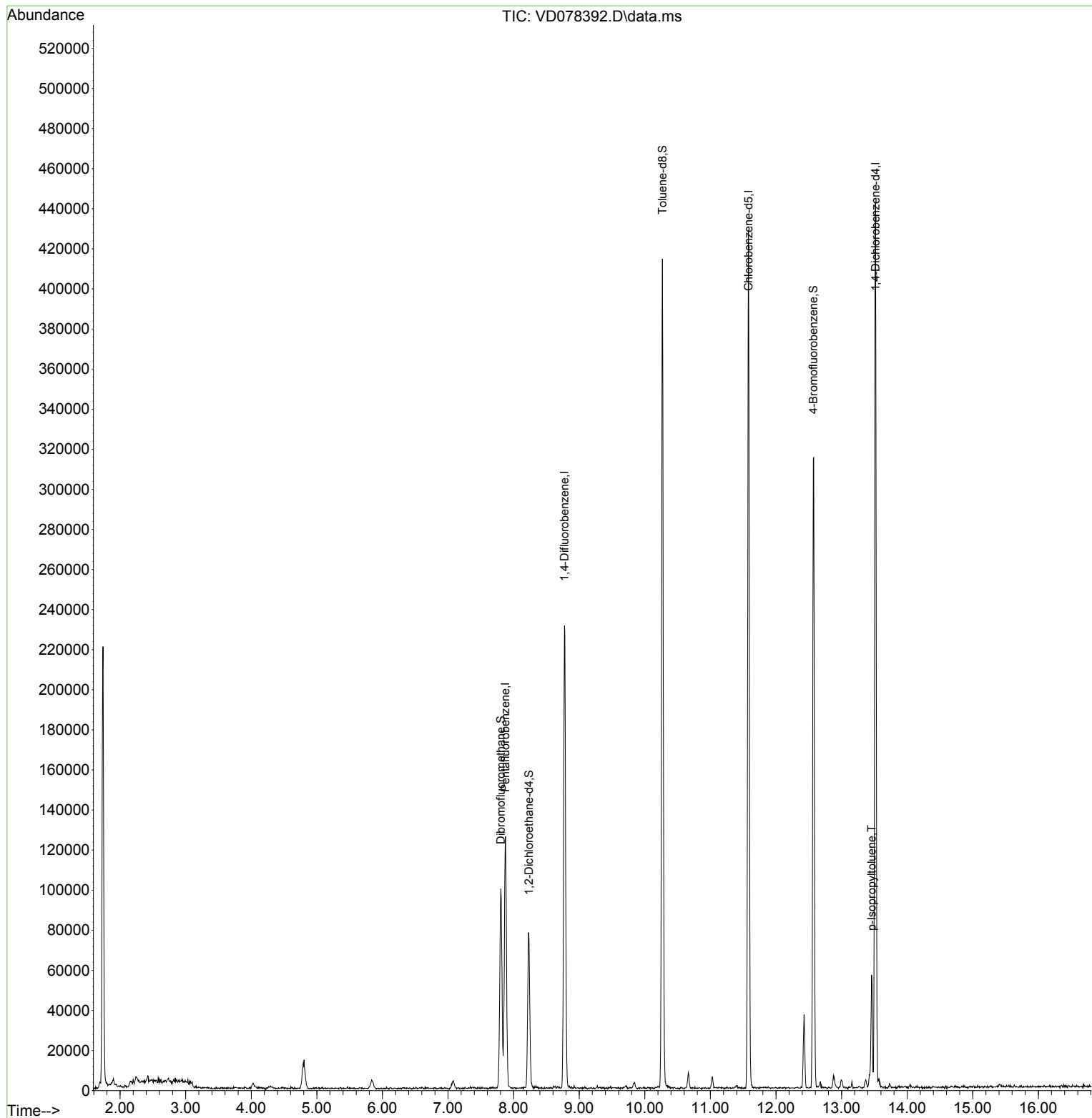
Internal Standards						
1) Pentafluorobenzene	7.875	168	92631	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	209413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	238030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	115231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	59671	52.037	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.080%
35) Dibromofluoromethane	7.805	113	70734	47.445	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.880%
50) Toluene-d8	10.269	98	277836	49.222	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.569	95	99752	59.012	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	118.020%
Target Compounds						
86) p-Isopropyltoluene	13.457	119	30169	3.468	ug/l	Qvalue 92

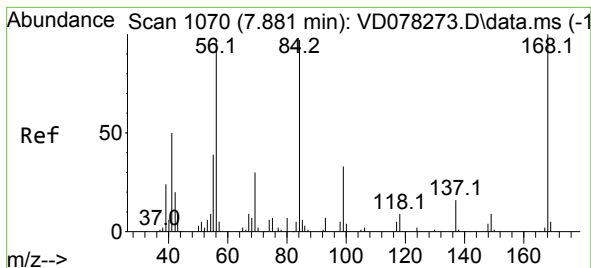
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 01 03:58:19 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078392.D

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Instrument :

MSVOA_D

ClientSampleId :

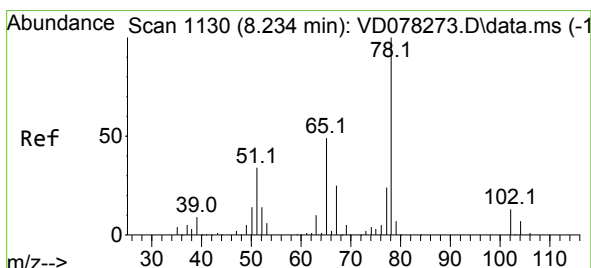
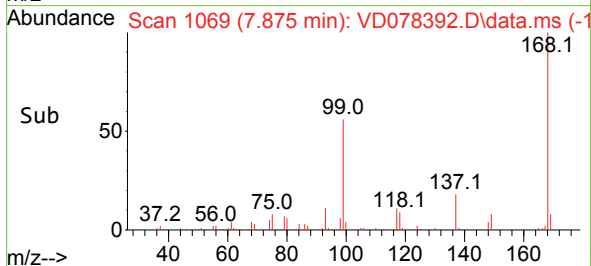
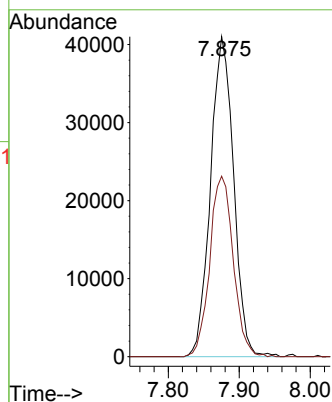
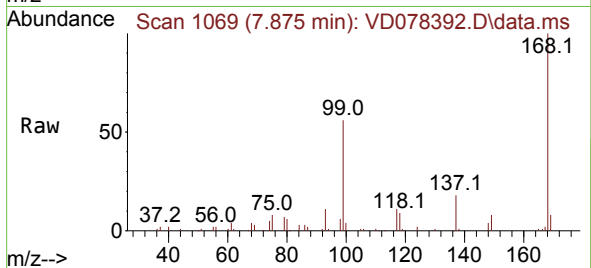
TP-3-VOV

Tgt Ion:168 Resp: 92631

Ion Ratio Lower Upper

168 100

99 56.4 36.7 55.1#



#33

1,2-Dichloroethane-d4

Concen: 52.037 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078392.D

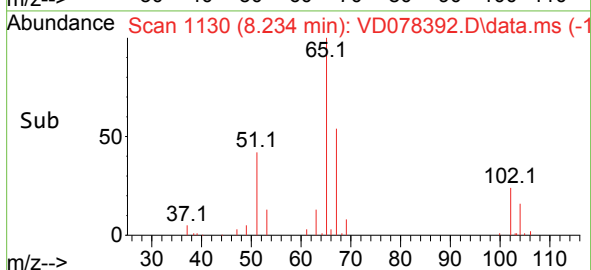
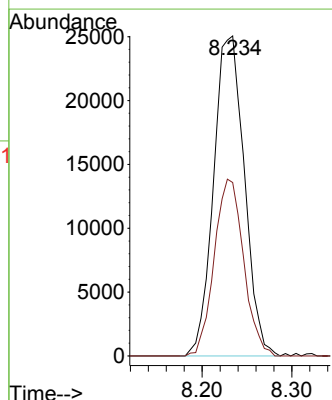
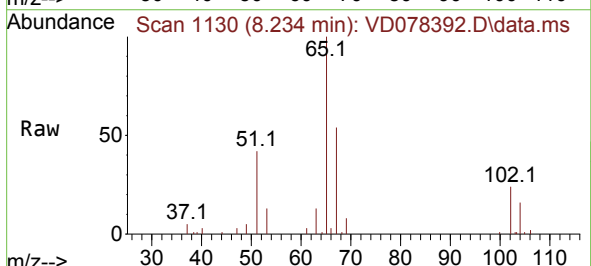
Acq: 09 Feb 2024 18:24

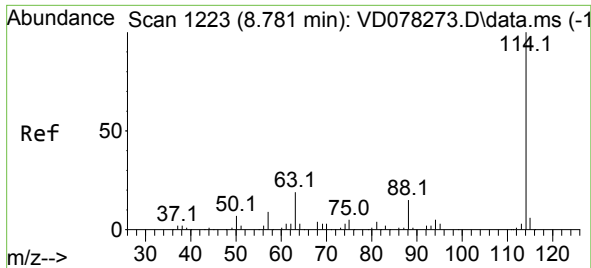
Tgt Ion: 65 Resp: 59671

Ion Ratio Lower Upper

65 100

67 52.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078392.D

Acq: 09 Feb 2024 18:24

Instrument :

MSVOA_D

ClientSampleId :

TP-3-VOV

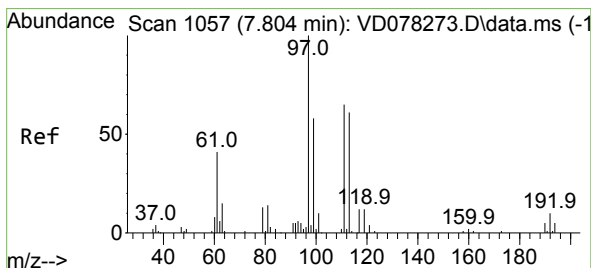
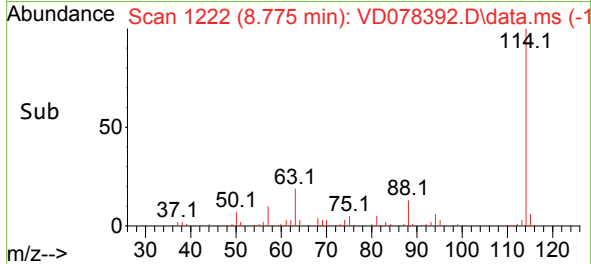
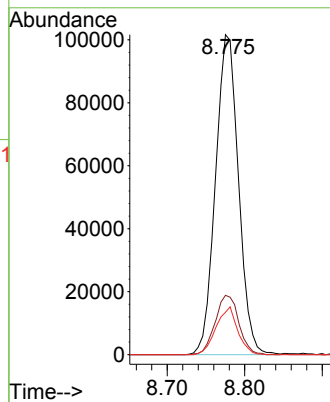
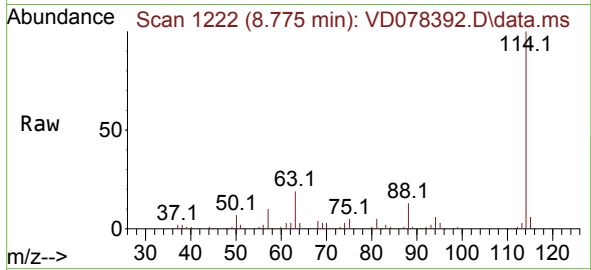
Tgt Ion:114 Resp: 209413

Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

88 13.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.445 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078392.D

Acq: 09 Feb 2024 18:24

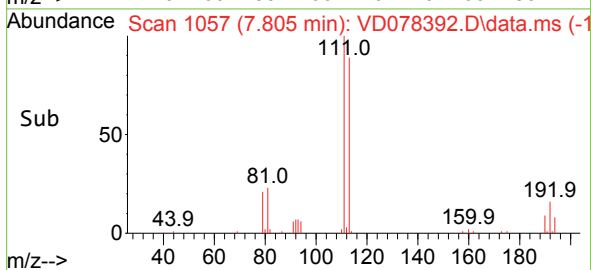
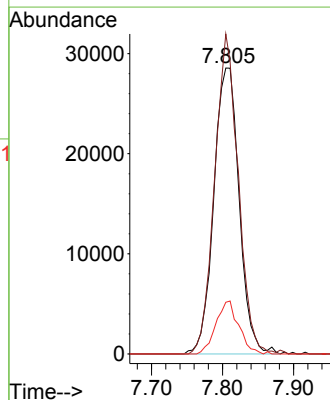
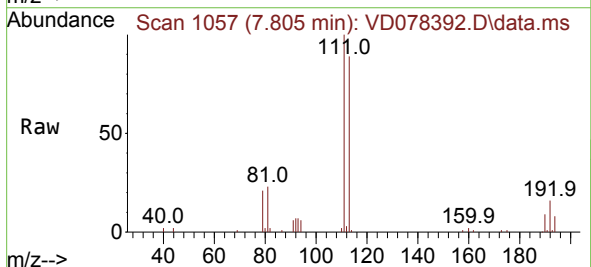
Tgt Ion:113 Resp: 70734

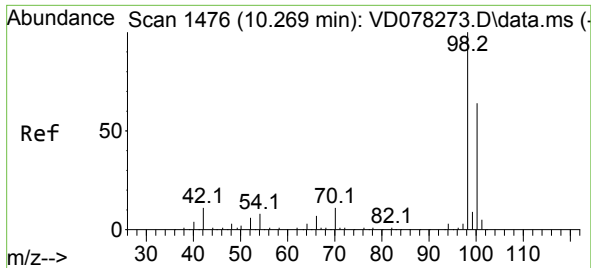
Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 16.6 16.8 25.2#

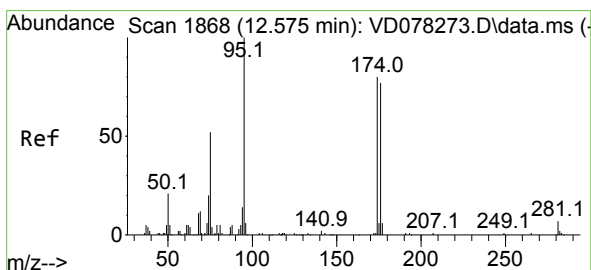
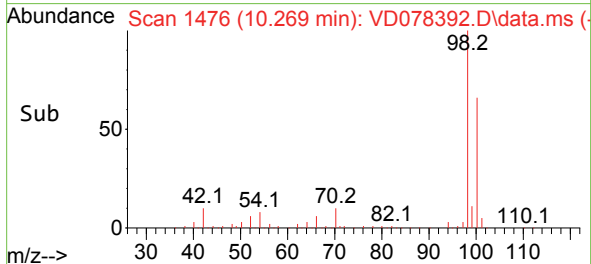
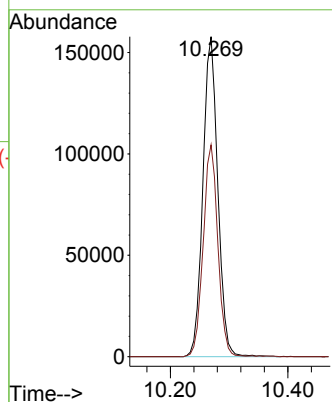
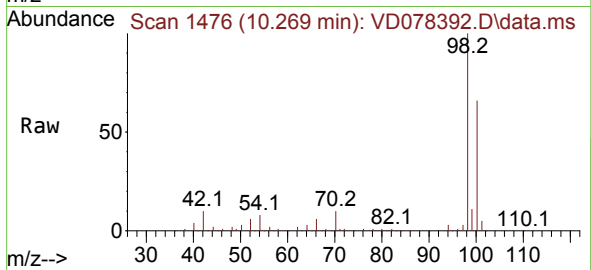




#50
Toluene-d8
Concen: 49.222 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078392.D
Acq: 09 Feb 2024 18:24

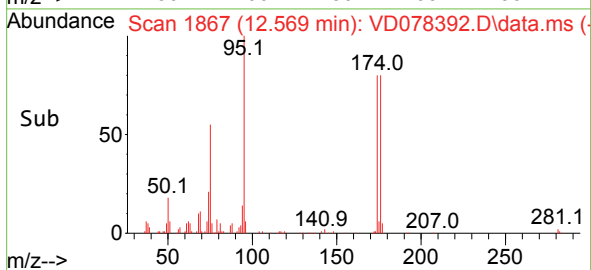
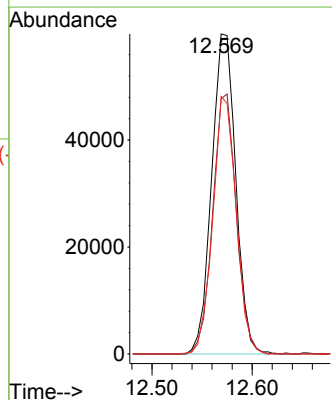
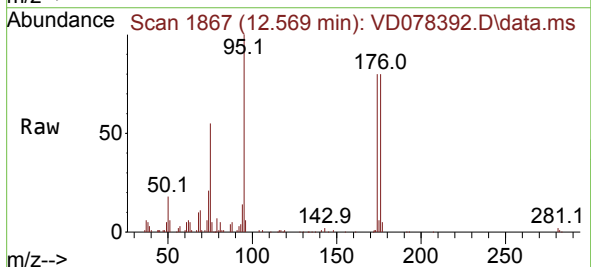
Instrument :
MSVOA_D
ClientSampleId :
TP-3-VOV

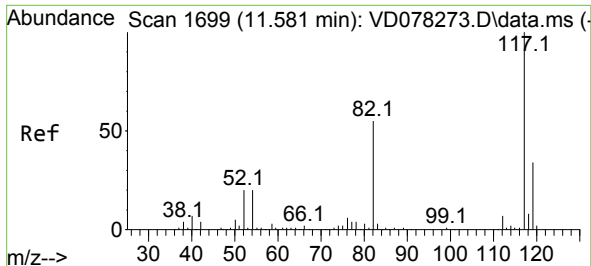
Tgt Ion: 98 Resp: 277836
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 59.012 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078392.D
Acq: 09 Feb 2024 18:24

Tgt Ion: 95 Resp: 99752
Ion Ratio Lower Upper
95 100
174 79.6 0.0 201.8
176 78.0 0.0 191.8

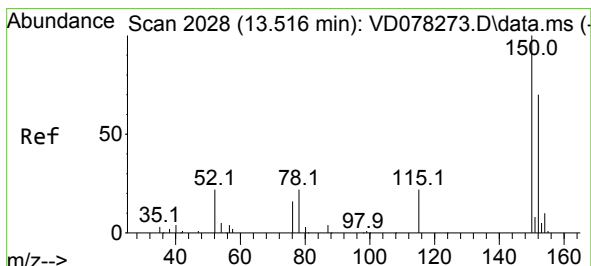
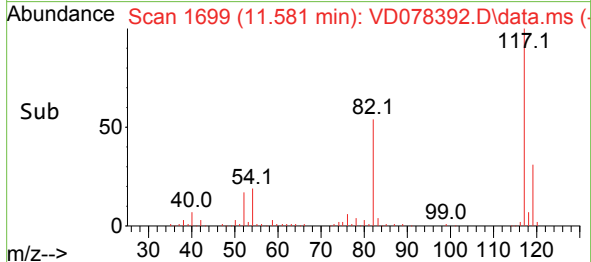
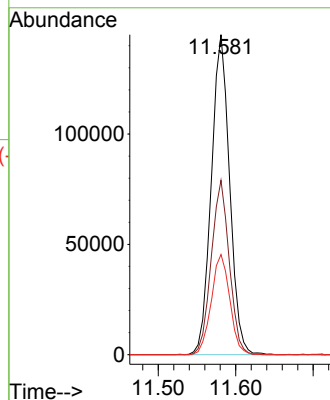
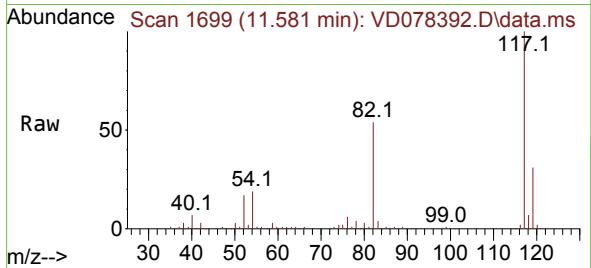




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078392.D
Acq: 09 Feb 2024 18:24

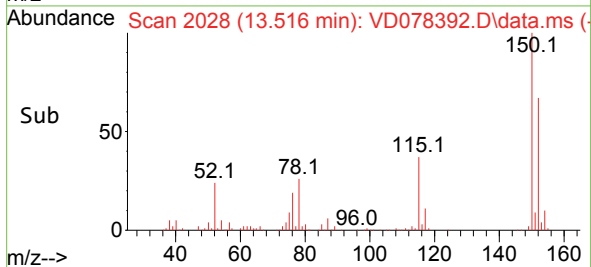
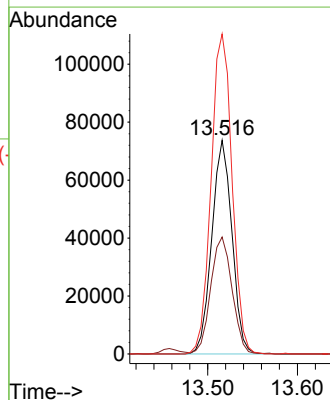
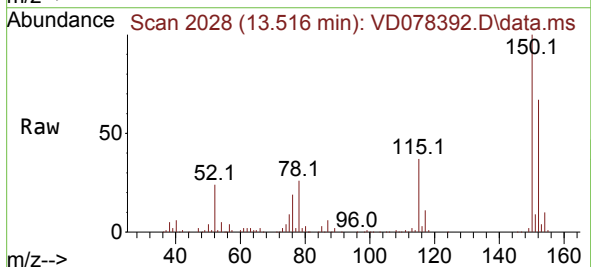
Instrument :
MSVOA_D
ClientSampleId :
TP-3-VOV

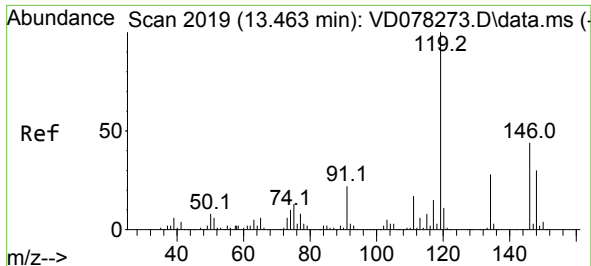
Tgt Ion:117 Resp: 238030
Ion Ratio Lower Upper
117 100
82 54.5 38.3 57.5
119 31.3 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078392.D
Acq: 09 Feb 2024 18:24

Tgt Ion:152 Resp: 115231
Ion Ratio Lower Upper
152 100
115 57.9 27.1 81.3
150 155.3 0.0 353.6





#86
 p-Isopropyltoluene
 Concen: 3.468 ug/l
 RT: 13.457 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD078392.D
 Acq: 09 Feb 2024 18:24

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-VOV

Tgt Ion:119 Resp: 30169
 Ion Ratio Lower Upper
 119 100
 134 23.0 14.2 42.6
 91 22.8 10.5 31.5

