

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011724\
 Data File : VY017012.D
 Acq On : 17 Jan 2024 15:46
 Operator : SY/MD
 Sample : P1117-06
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-TOTAL-VOC-GRAB-8RE

Quant Time: Jan 17 16:12:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	97632	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.715	114	209849	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	201698	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	74869	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	49774	51.582	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.160%
35) Dibromofluoromethane	7.752	113	51285	38.352	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.700%
50) Toluene-d8	10.203	98	186156	40.427	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.860%
62) 4-Bromofluorobenzene	12.501	95	58885	37.902	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.800%

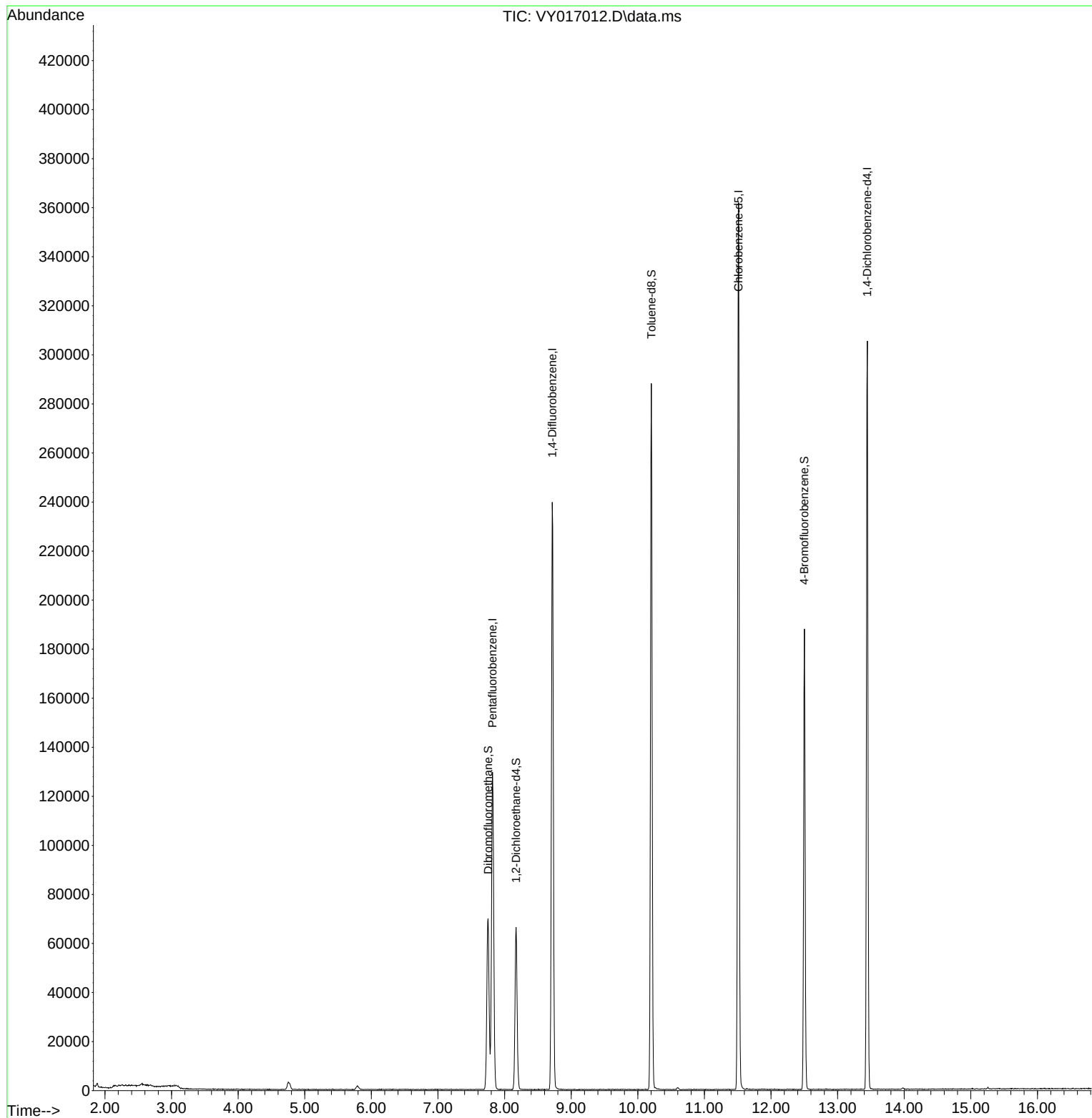
Target Compounds	Qvalue

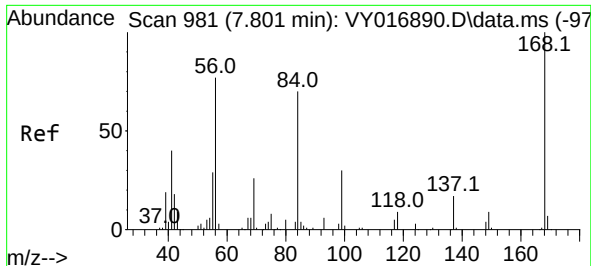
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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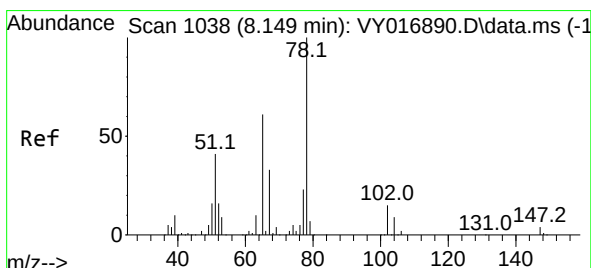
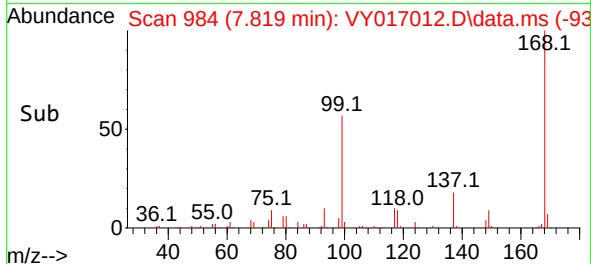
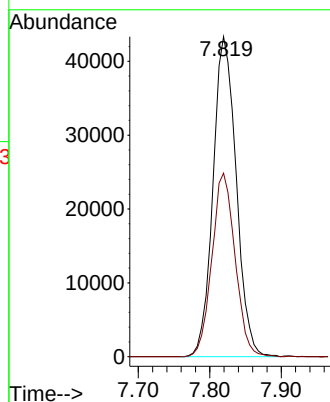
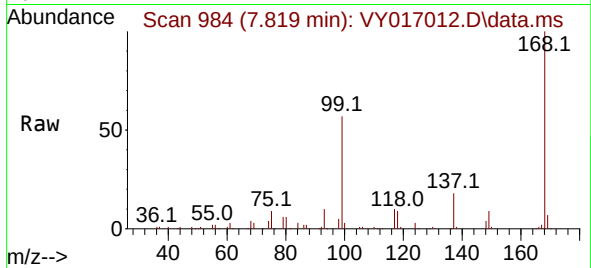




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY017012.D
Acq: 17 Jan 2024 15:46

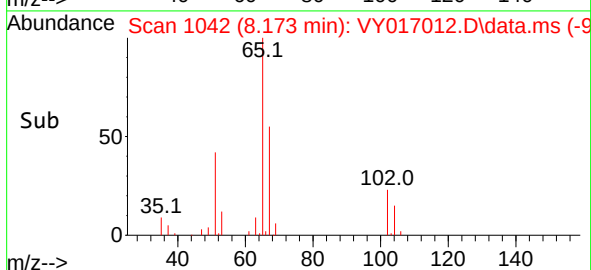
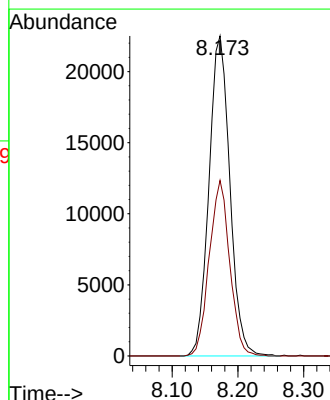
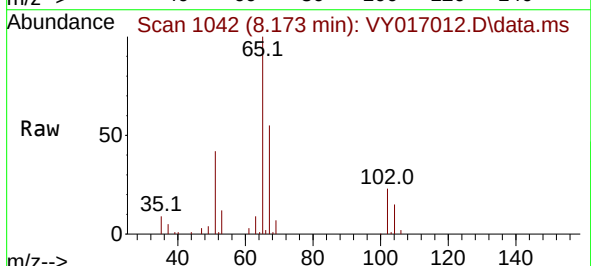
Instrument :
MSVOA_Y
ClientSampleId :
S1-TOTAL-VOC-GRAB-8RE

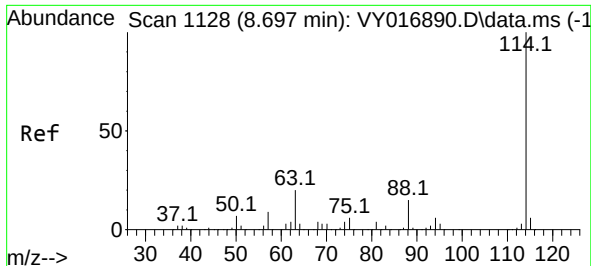
Tgt Ion:168 Resp: 97632
Ion Ratio Lower Upper
168 100
99 57.3 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 51.582 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY017012.D
Acq: 17 Jan 2024 15:46

Tgt Ion: 65 Resp: 49774
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.715 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY017012.D

Acq: 17 Jan 2024 15:46

Instrument :

MSVOA_Y

ClientSampleId :

S1-TOTAL-VOC-GRAB-8RE

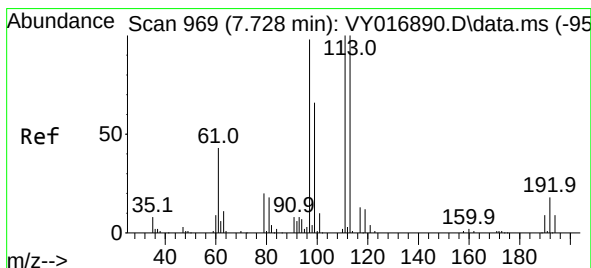
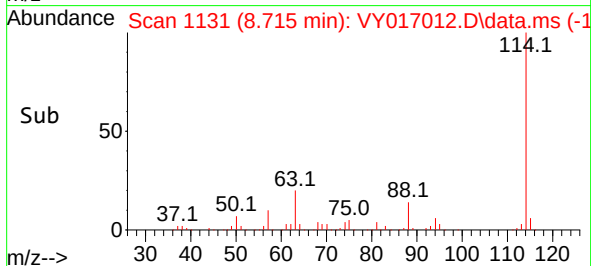
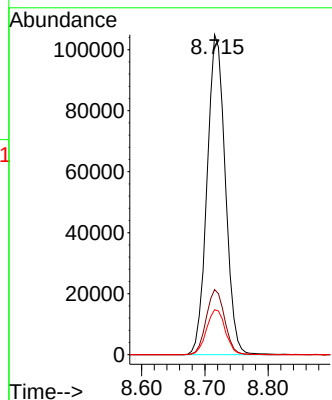
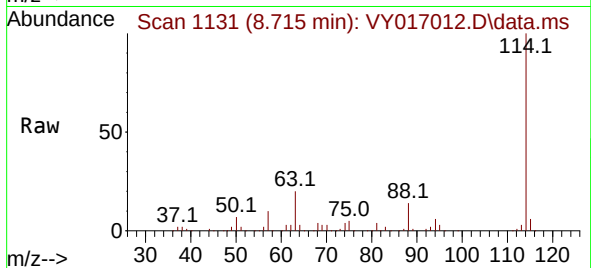
Tgt Ion:114 Resp: 209849

Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

88 14.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 38.352 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.024 min

Lab File: VY017012.D

Acq: 17 Jan 2024 15:46

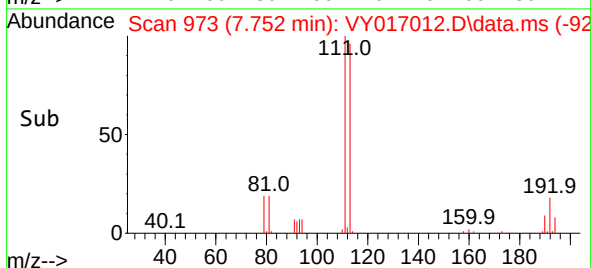
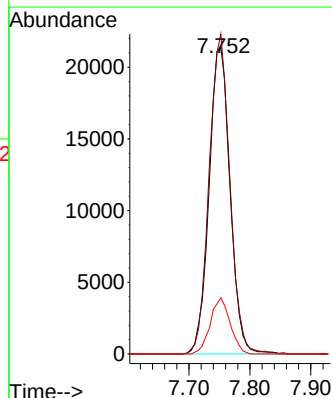
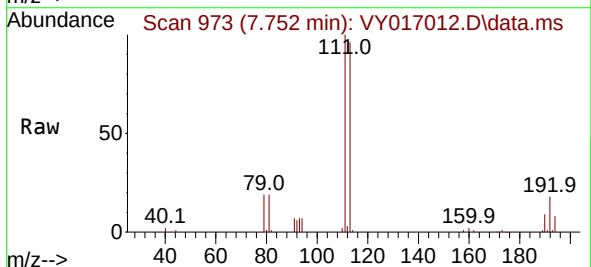
Tgt Ion:113 Resp: 51285

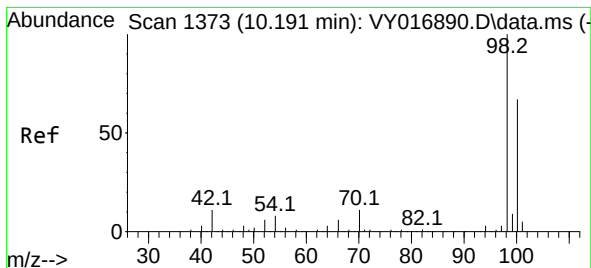
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 17.3 14.5 21.7





#50

Toluene-d8

Concen: 40.427 ug/l

RT: 10.203 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY017012.D

Acq: 17 Jan 2024 15:46

Instrument :

MSVOA_Y

ClientSampleId :

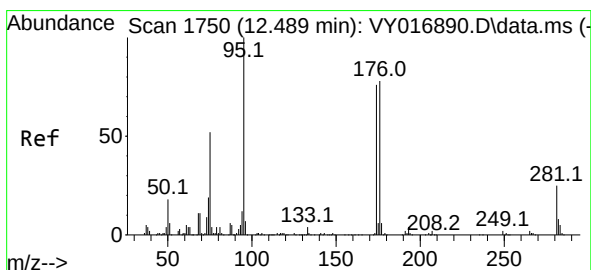
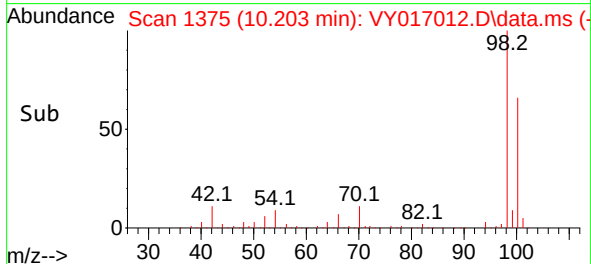
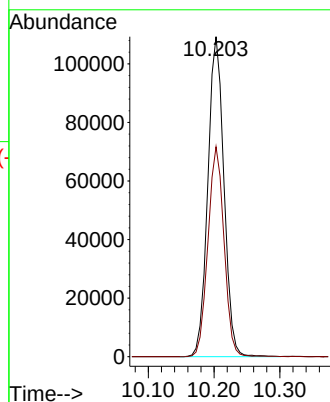
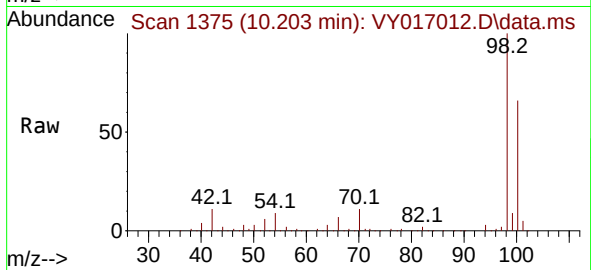
S1-TOTAL-VOC-GRAB-8RE

Tgt Ion: 98 Resp: 186156

Ion Ratio Lower Upper

98 100

100 65.5 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 37.902 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY017012.D

Acq: 17 Jan 2024 15:46

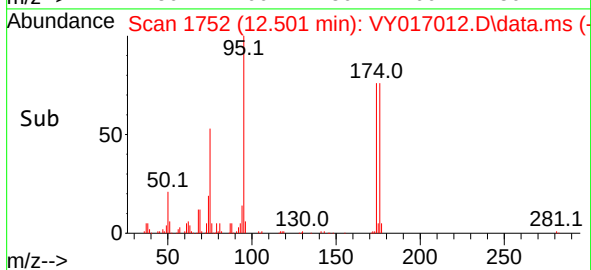
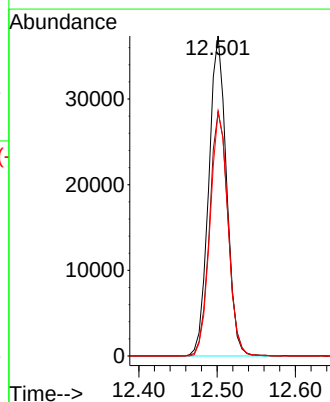
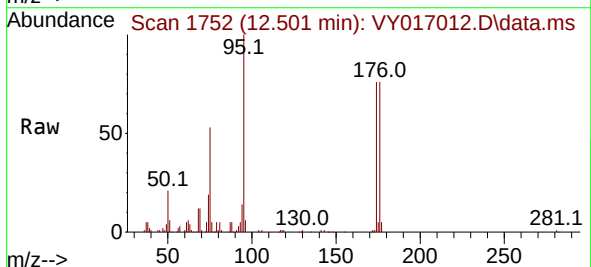
Tgt Ion: 95 Resp: 58885

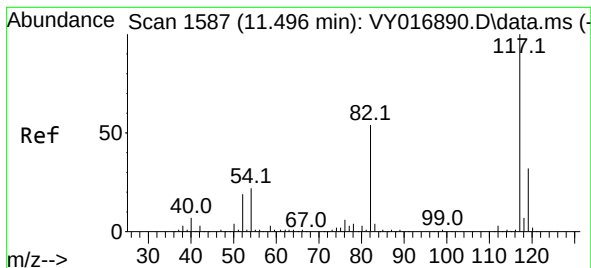
Ion Ratio Lower Upper

95 100

174 78.7 0.0 160.0

176 76.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY017012.D

Acq: 17 Jan 2024 15:46

Instrument :

MSVOA_Y

ClientSampleId :

S1-TOTAL-VOC-GRAB-8RE

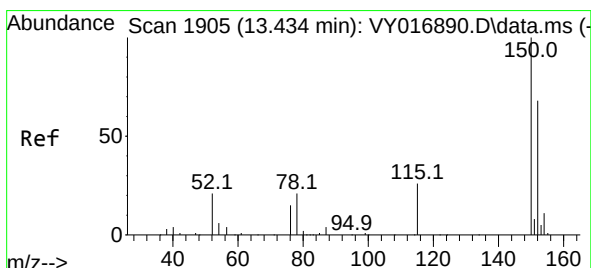
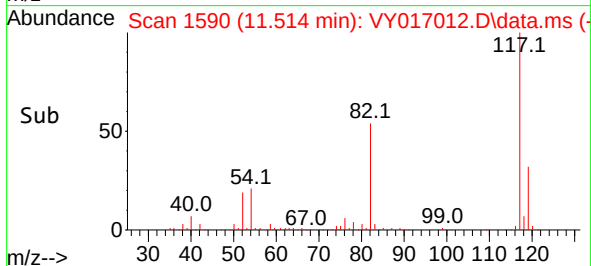
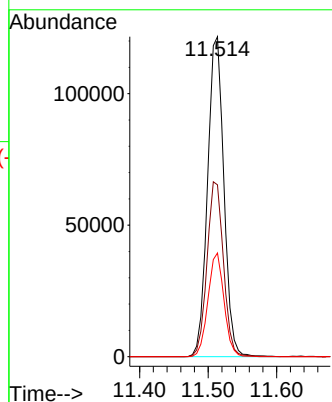
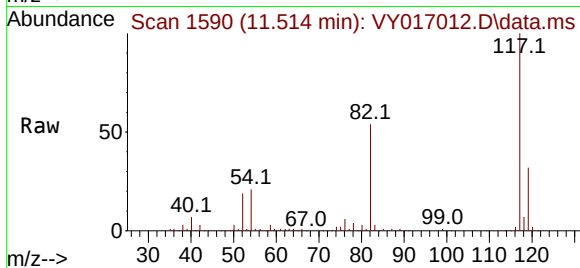
Tgt Ion:117 Resp: 201698

Ion Ratio Lower Upper

117 100

82 53.7 43.8 65.8

119 32.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY017012.D

Acq: 17 Jan 2024 15:46

Tgt Ion:152 Resp: 74869

Ion Ratio Lower Upper

152 100

115 60.1 30.0 90.0

150 160.1 0.0 344.6

