

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022320.D
 Acq On : 19 May 2025 15:46
 Operator : SY/MD
 Sample : Q2062-23
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-6-VOC

Quant Time: May 20 01:15:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.847	168	440192	50.000	ug/l	0.14
34) 1,4-Difluorobenzene	8.713	114	774677	50.000	ug/l	0.10
63) Chlorobenzene-d5	11.438	117	579431	50.000	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.352	152	165145	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.195	65	191459	39.797	ug/l	0.13
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.600%
35) Dibromofluoromethane	7.786	113	213377	46.148	ug/l	0.15
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.300%
50) Toluene-d8	10.152	98	924852	48.839	ug/l	0.05
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.680%
62) 4-Bromofluorobenzene	12.413	95	203641	33.927	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.860%

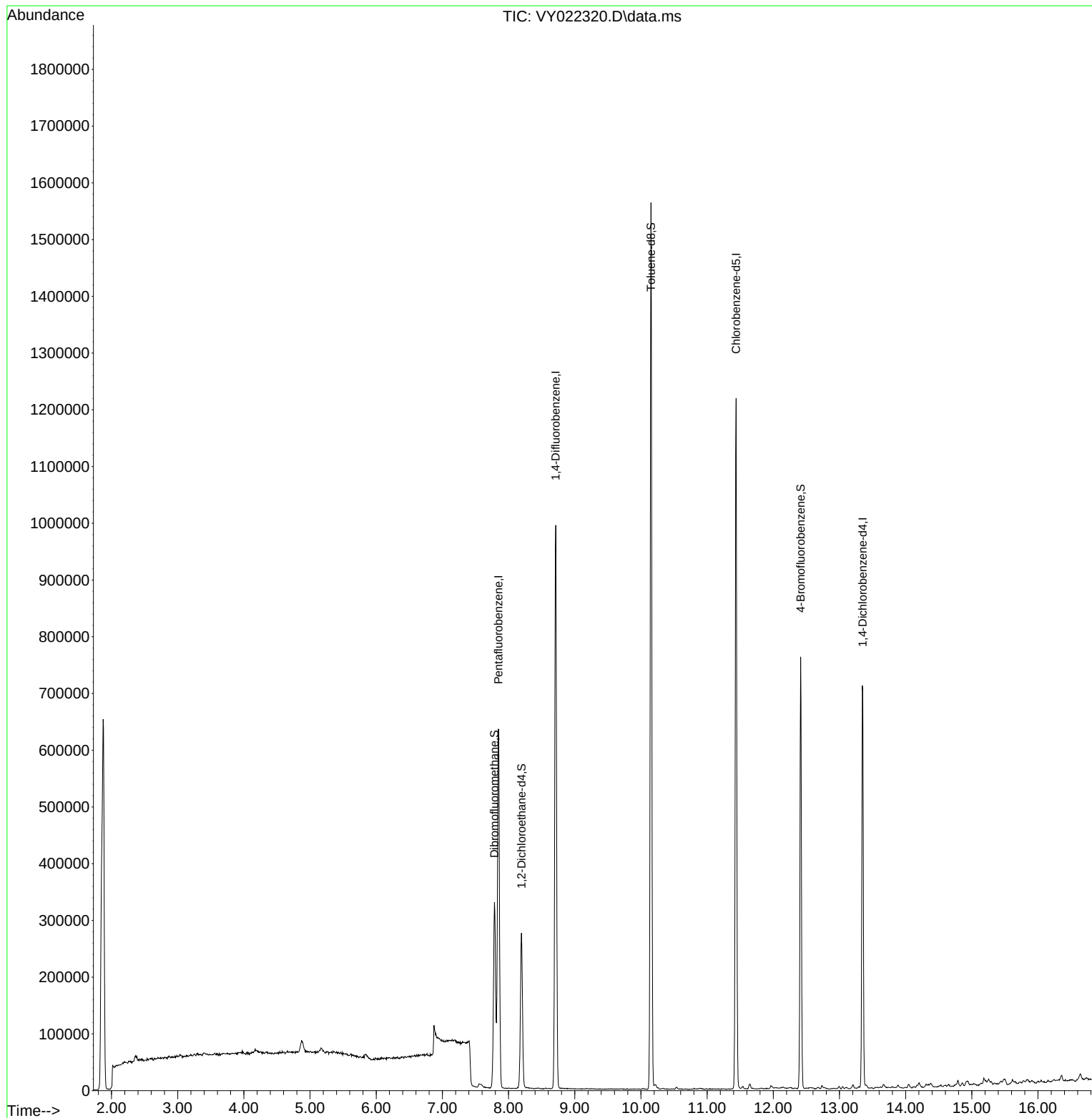
Target Compounds	Qvalue

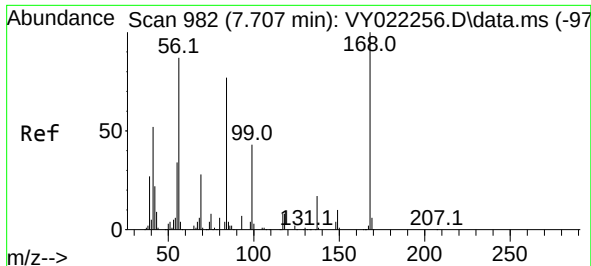
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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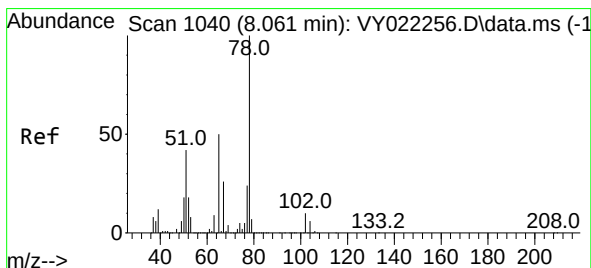
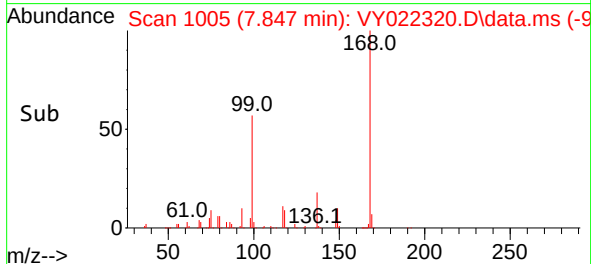
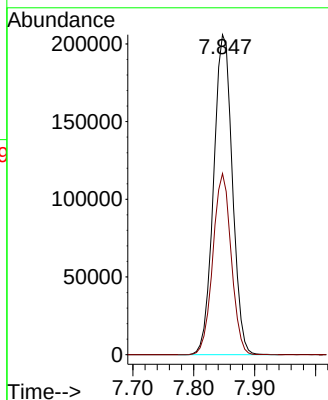
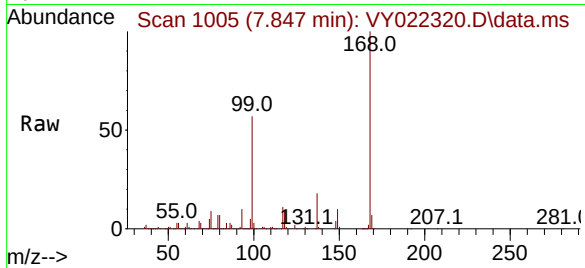




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.140 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

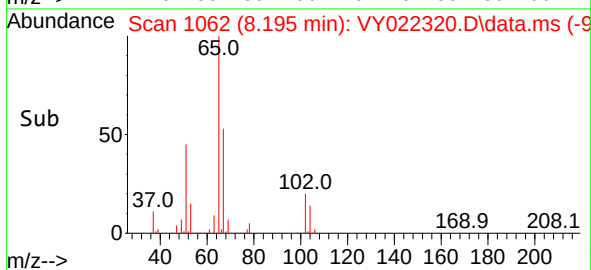
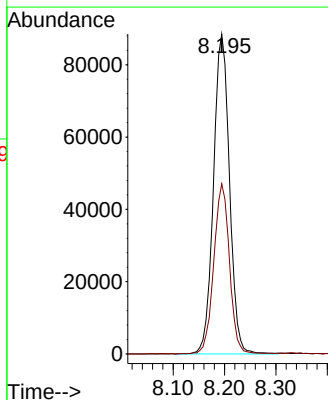
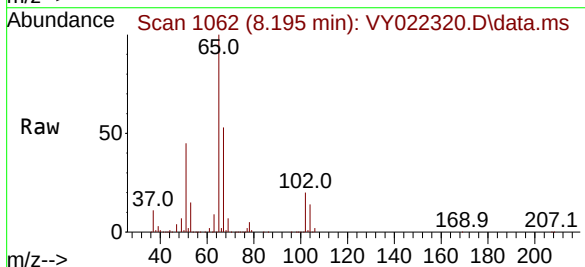
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

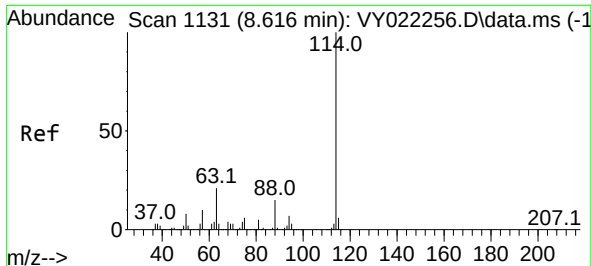
Tgt Ion:168 Resp: 440192
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 39.797 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.134 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

Tgt Ion: 65 Resp: 191459
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.713 min Scan# 1147

Delta R.T. 0.097 min

Lab File: VY022320.D

Acq: 19 May 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-6-VOC

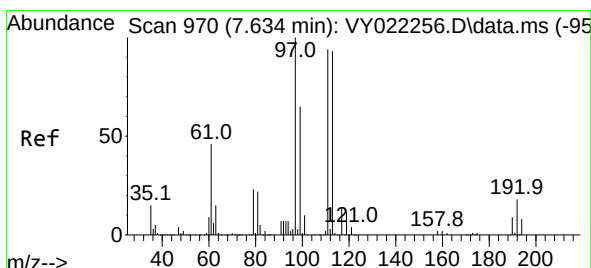
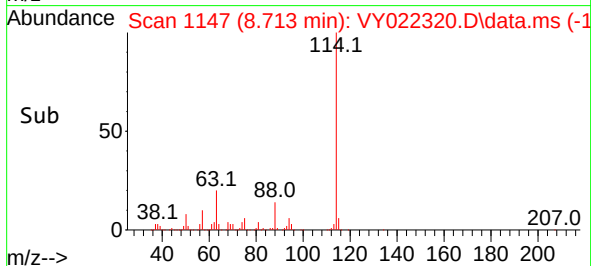
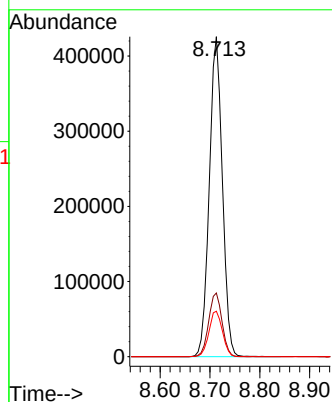
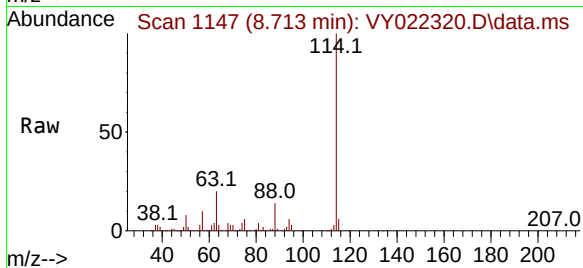
Tgt Ion:114 Resp: 774677

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 14.2 0.0 29.4



#35

Dibromofluoromethane

Concen: 46.148 ug/l

RT: 7.786 min Scan# 995

Delta R.T. 0.152 min

Lab File: VY022320.D

Acq: 19 May 2025 15:46

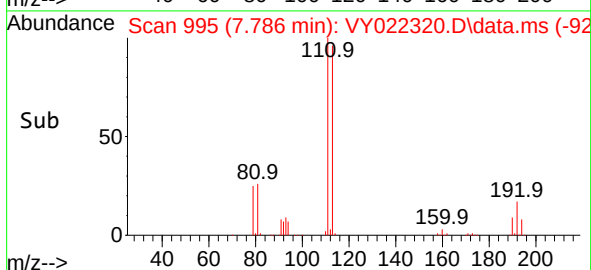
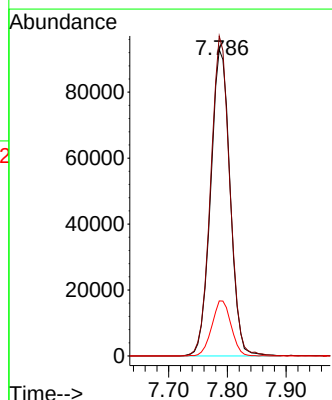
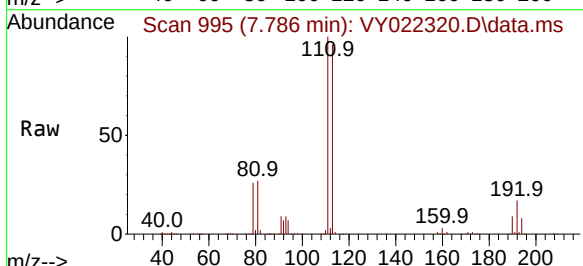
Tgt Ion:113 Resp: 213377

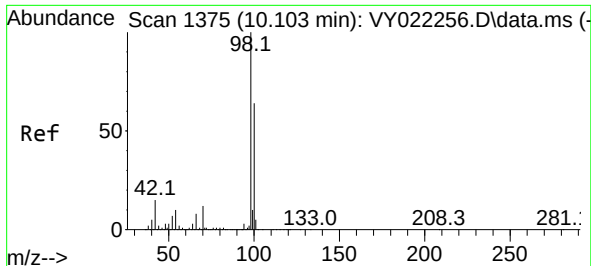
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 17.8 15.2 22.8

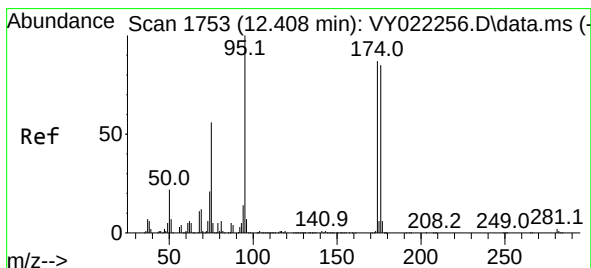
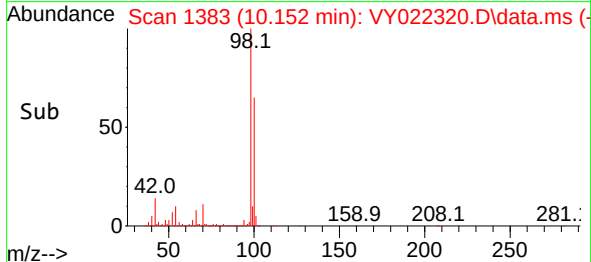
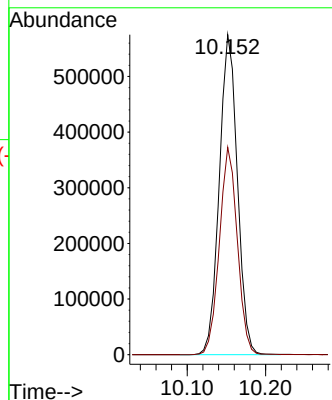
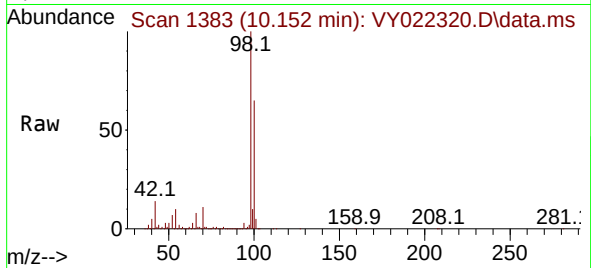




#50
Toluene-d8
Concen: 48.839 ug/l
RT: 10.152 min Scan# 11
Delta R.T. 0.048 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

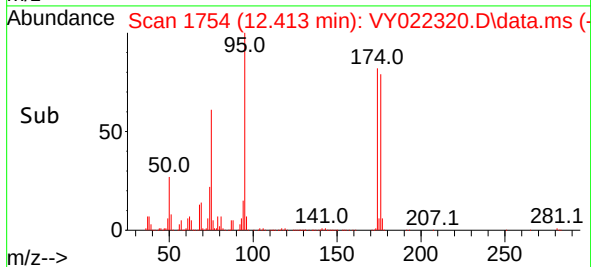
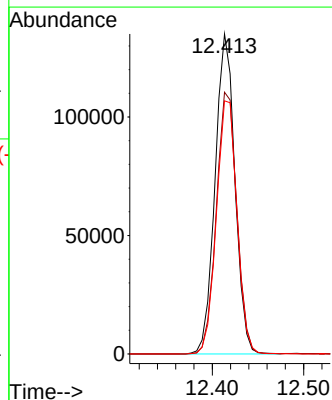
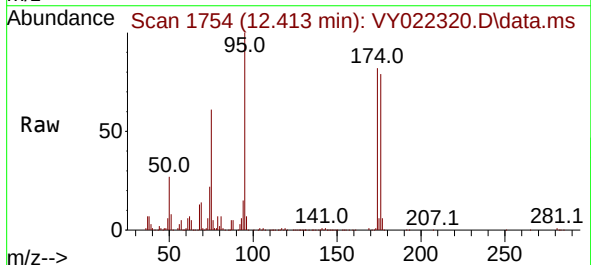
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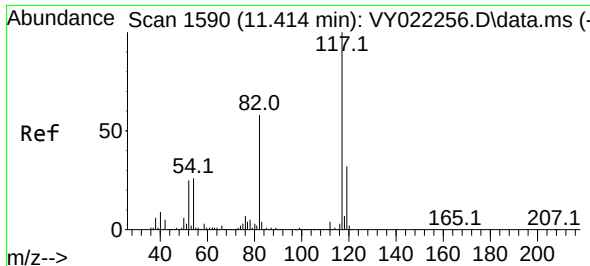
Tgt Ion: 98 Resp: 924852
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 33.927 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

Tgt Ion: 95 Resp: 203641
Ion Ratio Lower Upper
95 100
174 84.7 0.0 166.8
176 82.3 0.0 160.8

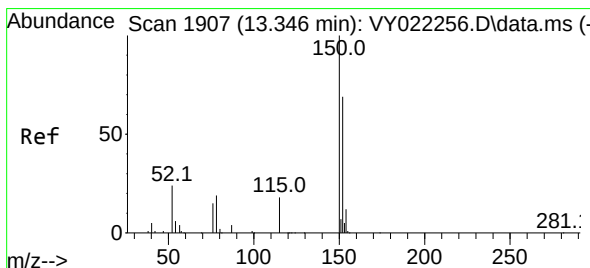
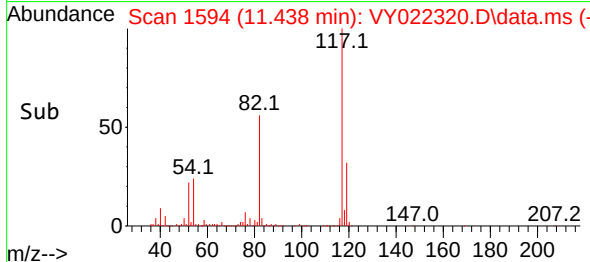
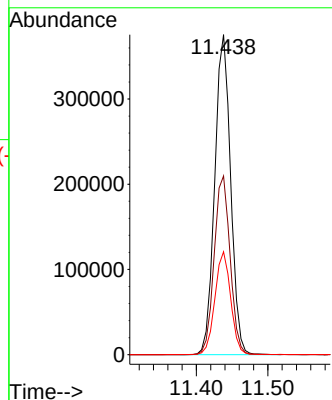
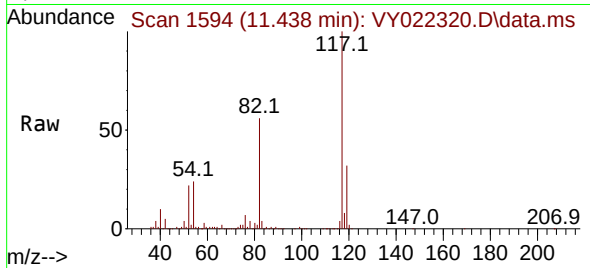




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

Tgt Ion:117 Resp: 579431
Ion Ratio Lower Upper
117 100
82 55.9 46.6 70.0
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

Tgt Ion:152 Resp: 165145
Ion Ratio Lower Upper
152 100
115 58.1 29.4 88.2
150 159.6 0.0 353.8

