

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022323.D
 Acq On : 19 May 2025 16:56
 Operator : SY/MD
 Sample : Q2071-11
 Misc : 2.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-9-VOC

Quant Time: May 20 01:16:32 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	7.707	168	85961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	142391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	105053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	38470	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	42543	45.284	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.560%
35) Dibromofluoromethane	7.634	113	42185	49.637	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.280%
50) Toluene-d8	10.103	98	165660	47.594	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.180%
62) 4-Bromofluorobenzene	12.401	95	40098	36.345	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.680%

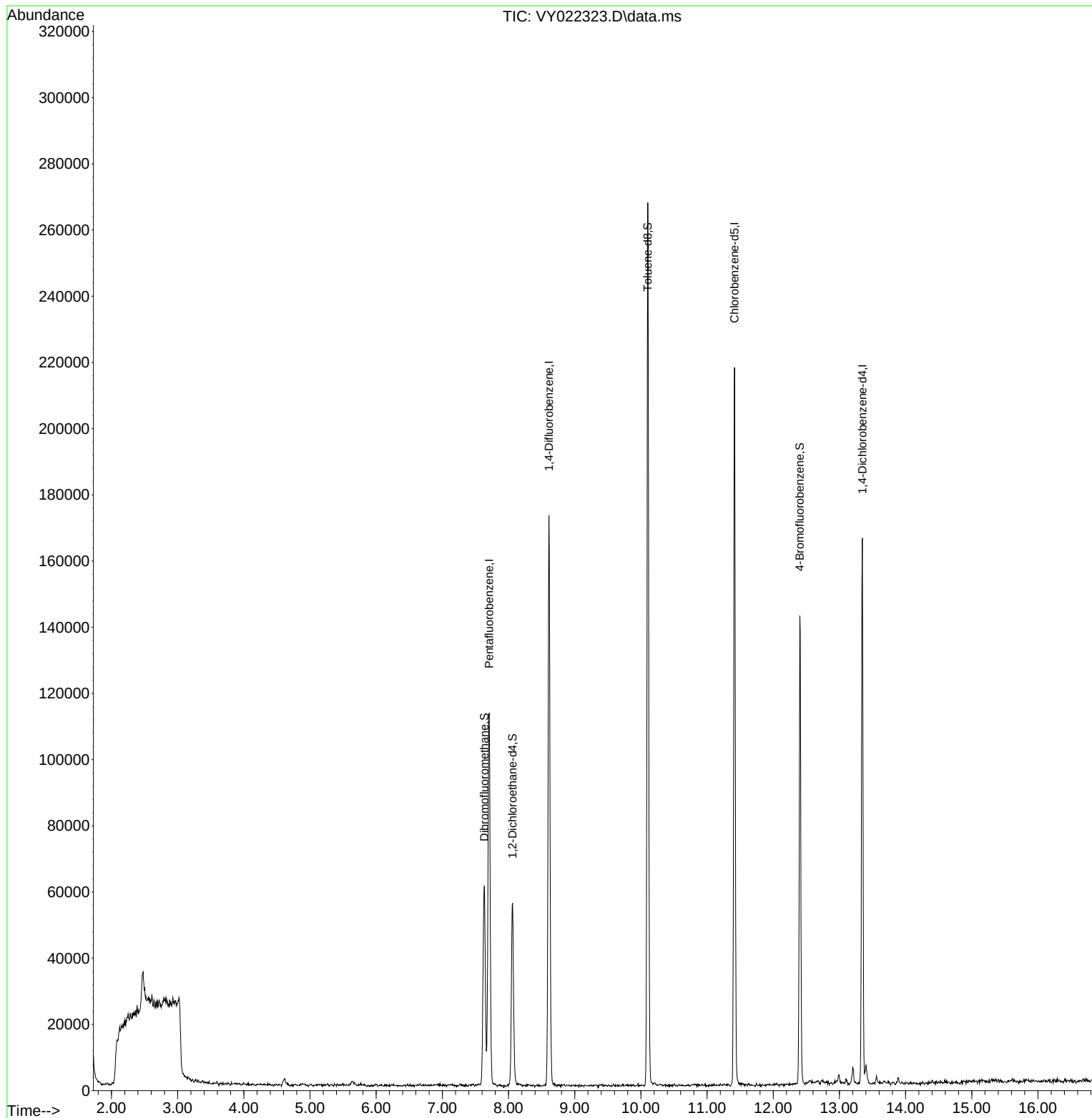
Target Compounds	Qvalue

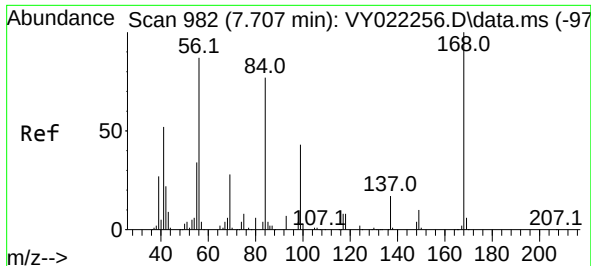
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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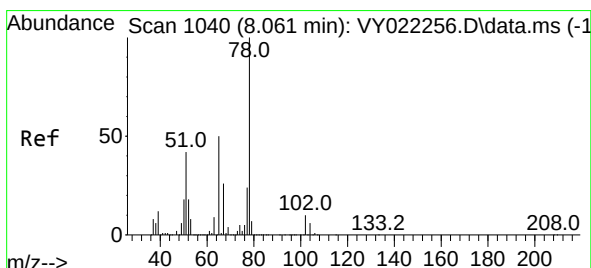
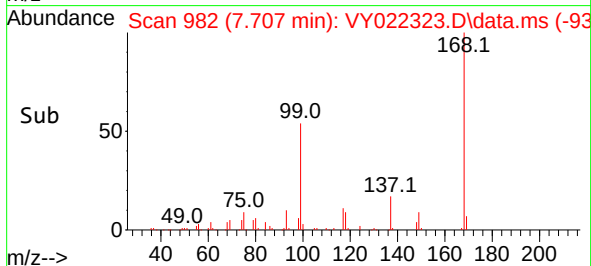
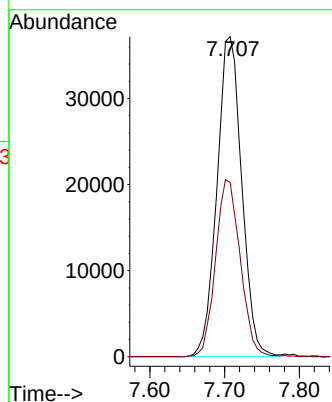
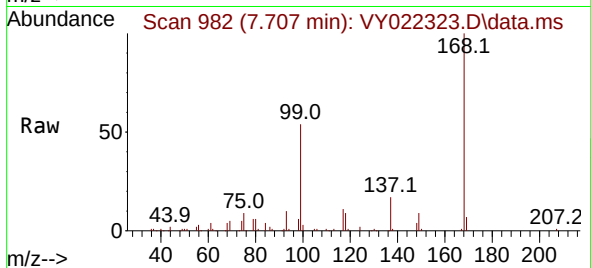




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

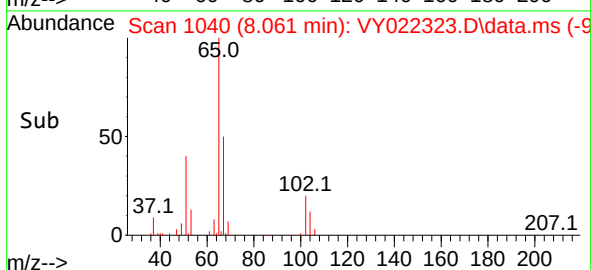
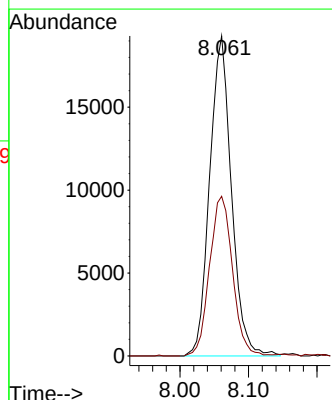
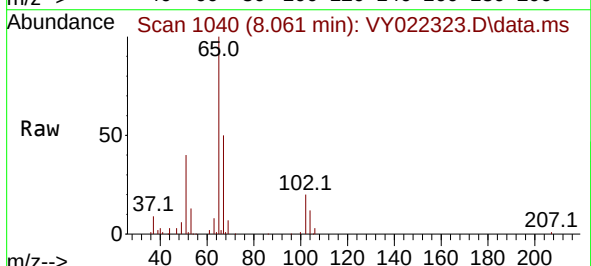
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-9-VOC

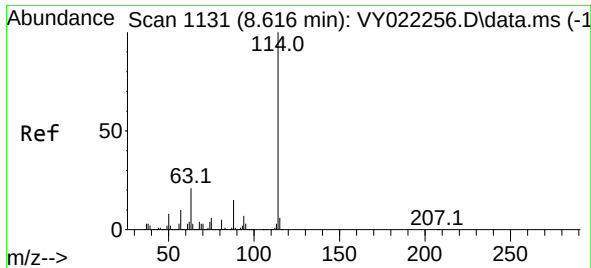
Tgt Ion:168 Resp: 85961
Ion Ratio Lower Upper
168 100
99 54.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 45.284 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

Tgt Ion: 65 Resp: 42543
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.6

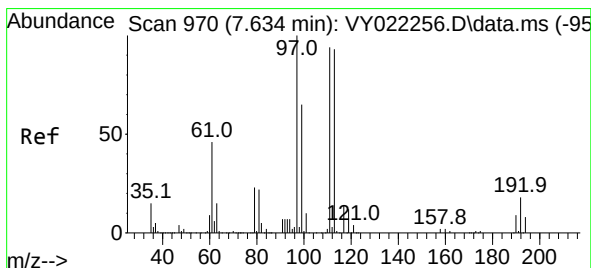
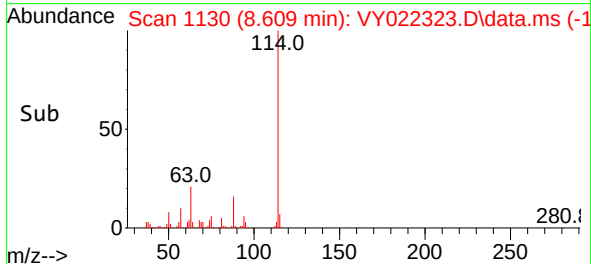
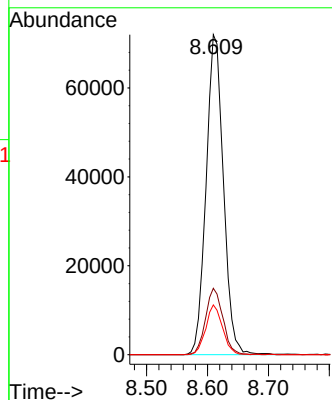
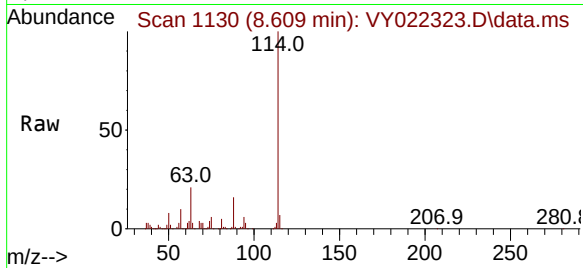




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

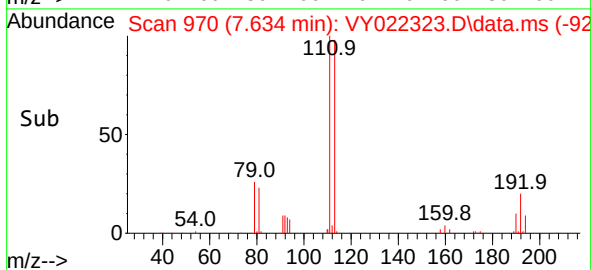
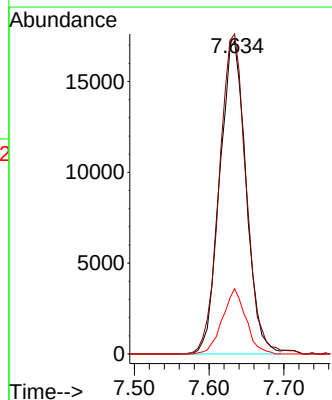
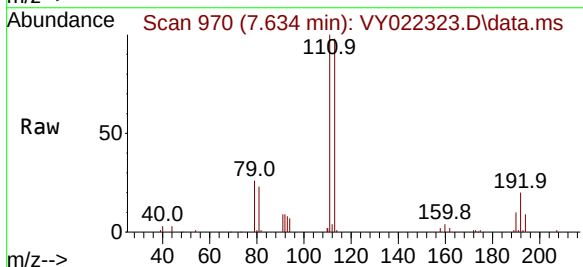
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-9-VOC

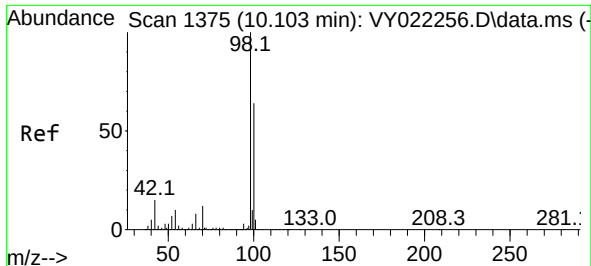
Tgt Ion:114 Resp: 142391
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.0
88 15.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.637 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

Tgt Ion:113 Resp: 42185
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 18.6 15.2 22.8

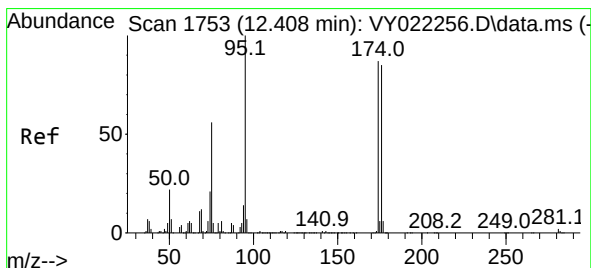
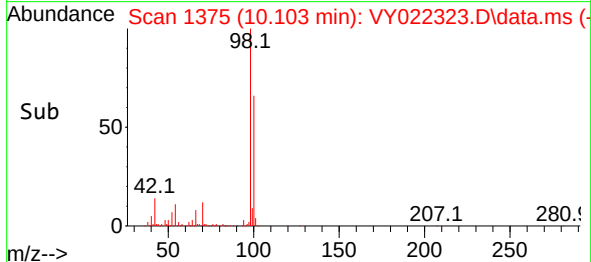
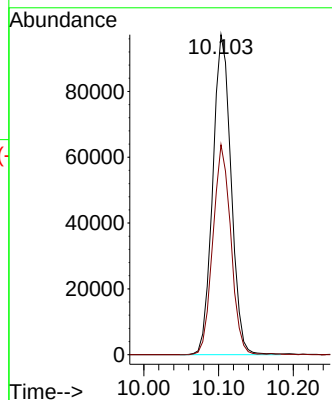
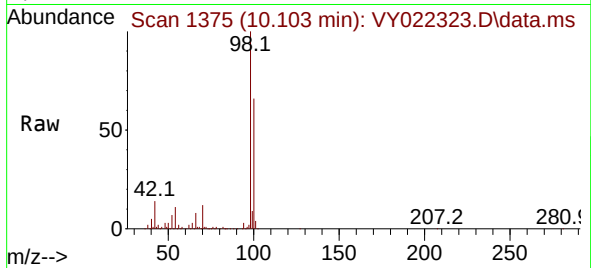




#50
Toluene-d8
Concen: 47.594 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

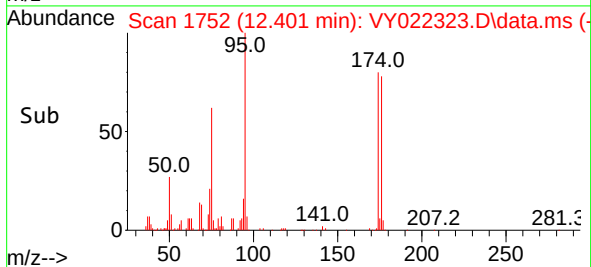
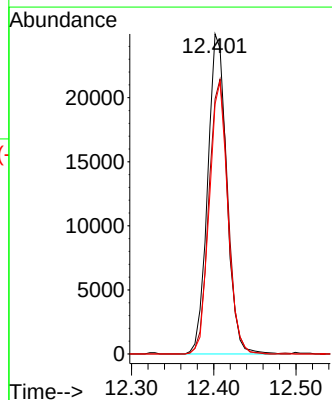
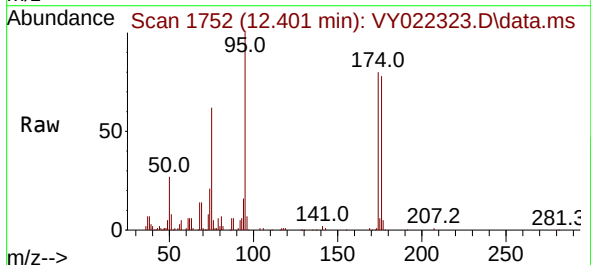
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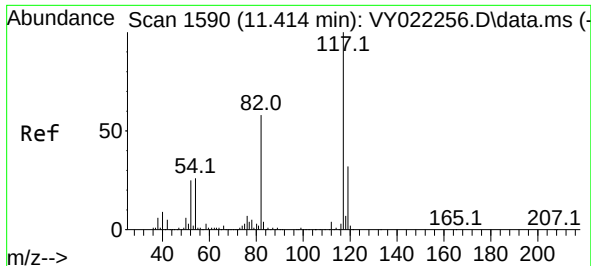
Tgt Ion: 98 Resp: 165660
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 36.345 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

Tgt Ion: 95 Resp: 40098
Ion Ratio Lower Upper
95 100
174 86.7 0.0 166.8
176 82.8 0.0 160.8

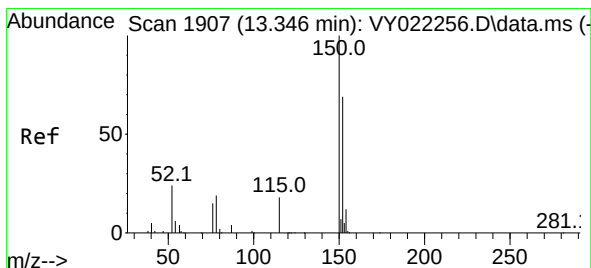
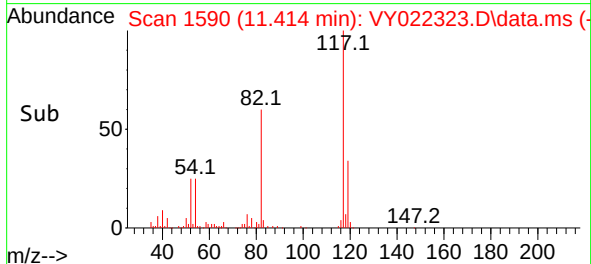
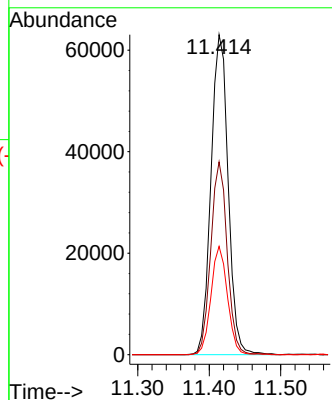
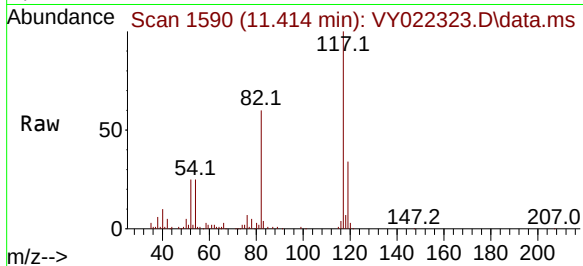




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-9-VOC

Tgt Ion:117 Resp: 105053
Ion Ratio Lower Upper
117 100
82 60.2 46.6 70.0
119 33.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

Tgt Ion:152 Resp: 38470
Ion Ratio Lower Upper
152 100
115 57.7 29.4 88.2
150 156.5 0.0 353.8

