

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022321.D
 Acq On : 19 May 2025 16:09
 Operator : SY/MD
 Sample : Q2071-03
 Misc : 3.67g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-7-VOC

Quant Time: May 20 01:15:48 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	231215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	411589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	331710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125608	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117217	46.387	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.780%
35) Dibromofluoromethane	7.628	113	120131	48.901	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.800%
50) Toluene-d8	10.103	98	495010	49.200	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.400%
62) 4-Bromofluorobenzene	12.401	95	127573	40.003	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.000%

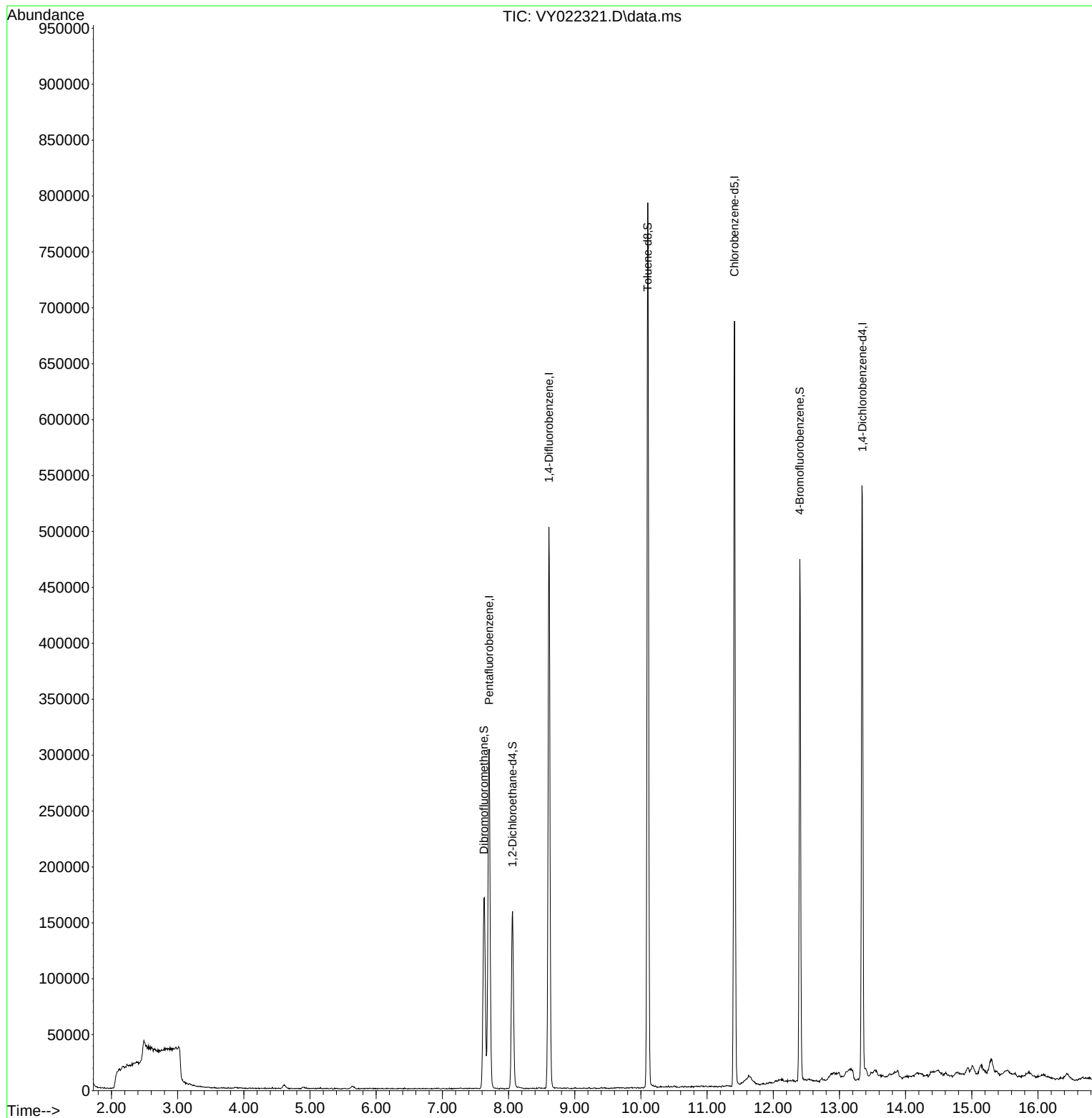
Target Compounds	Qvalue

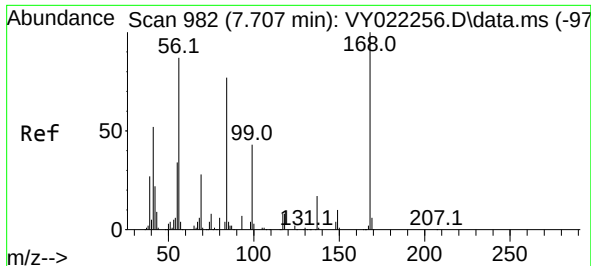
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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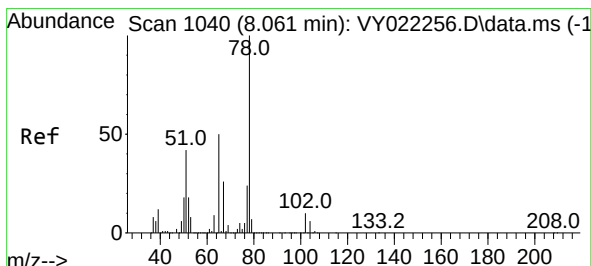
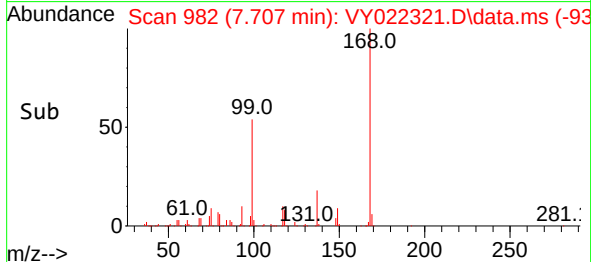
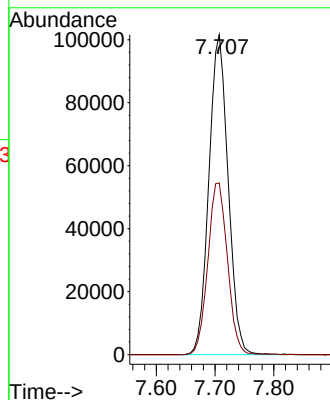
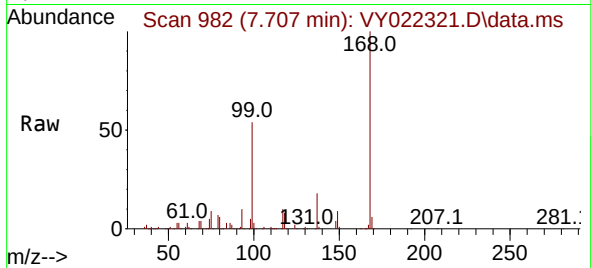




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

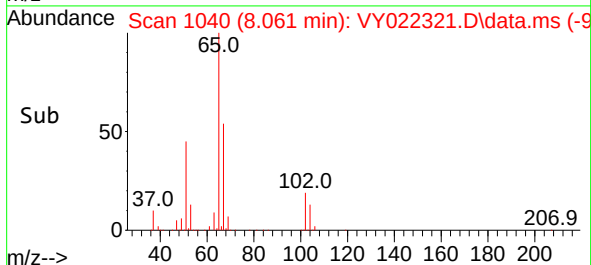
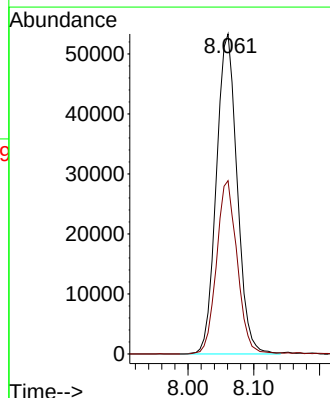
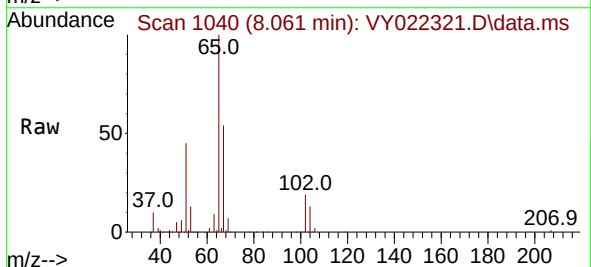
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-7-VOC

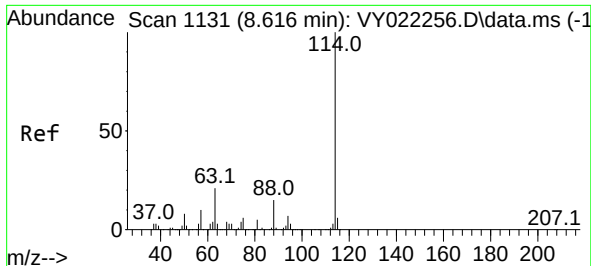
Tgt Ion:168 Resp: 231215
Ion Ratio Lower Upper
168 100
99 53.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 46.387 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

Tgt Ion: 65 Resp: 117217
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.6

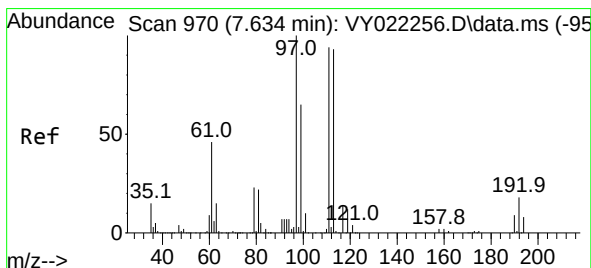
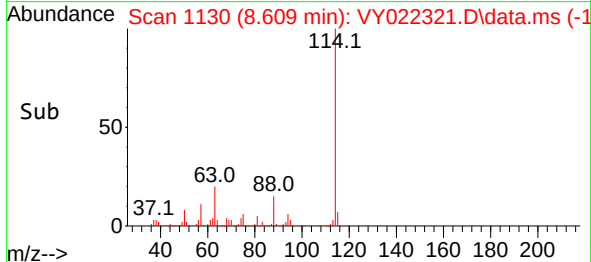
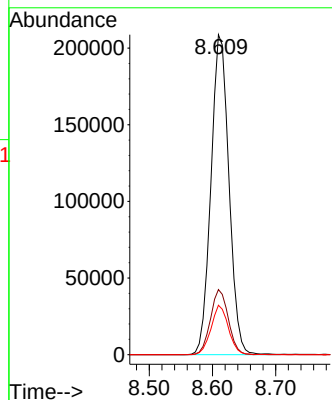
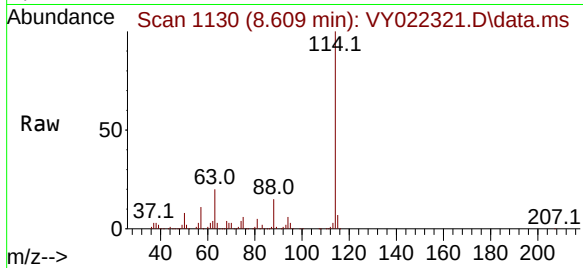




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

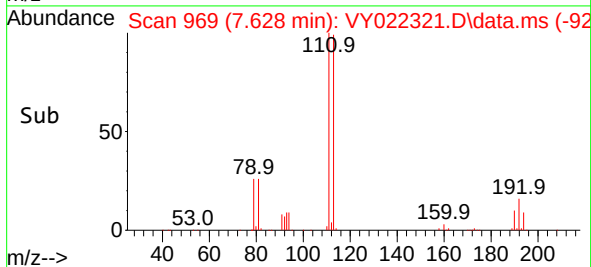
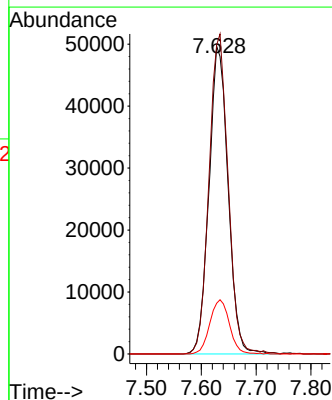
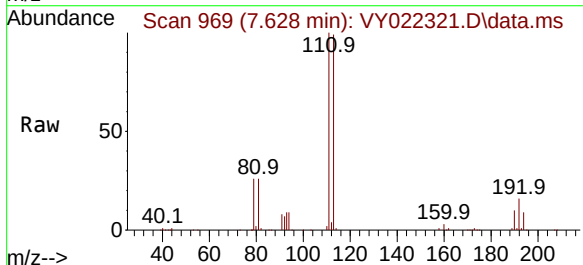
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-7-VOC

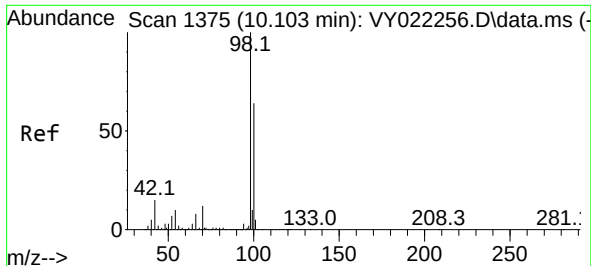
Tgt Ion:114 Resp: 411589
Ion Ratio Lower Upper
114 100
63 20.3 0.0 41.0
88 15.5 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.901 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

Tgt Ion:113 Resp: 120131
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 18.1 15.2 22.8

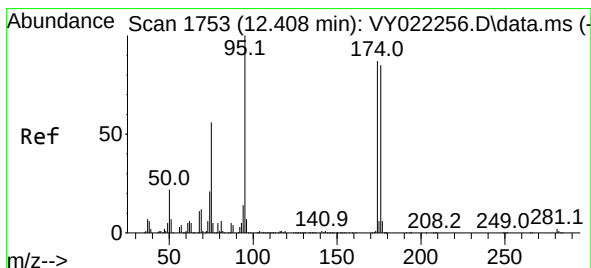
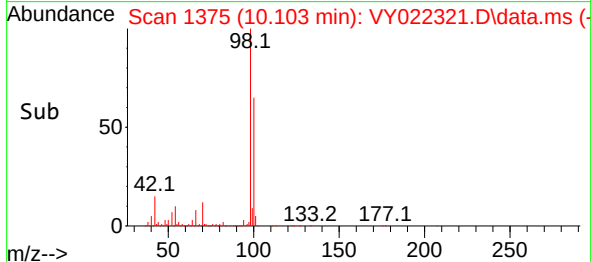
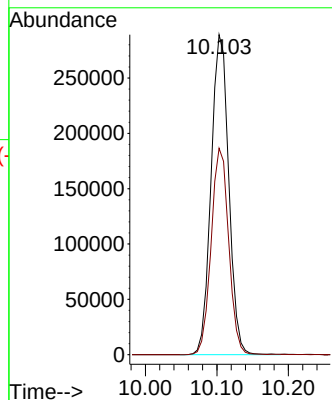
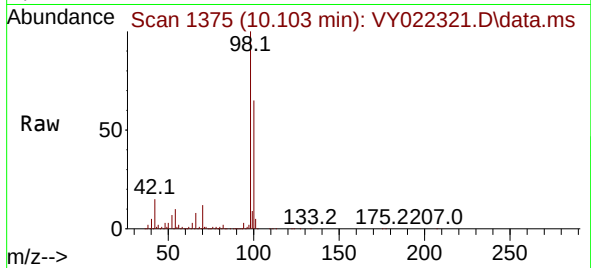




#50
Toluene-d8
Concen: 49.200 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

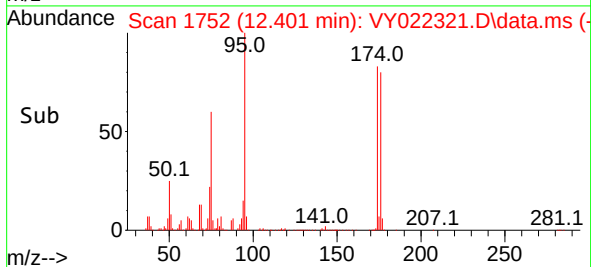
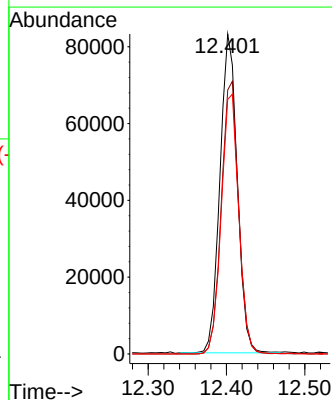
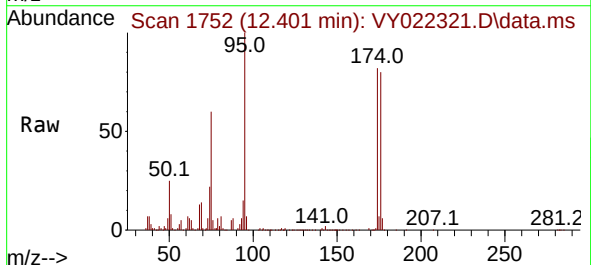
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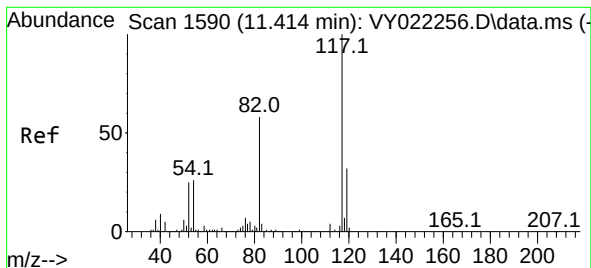
Tgt Ion: 98 Resp: 495010
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.003 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

Tgt Ion: 95 Resp: 127573
Ion Ratio Lower Upper
95 100
174 85.9 0.0 166.8
176 82.6 0.0 160.8

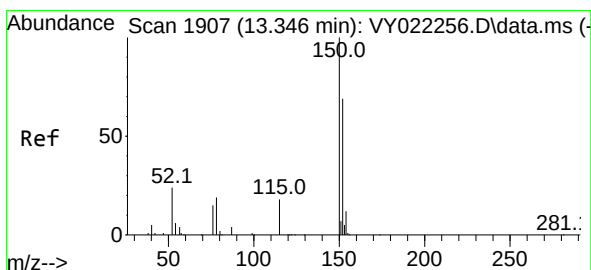
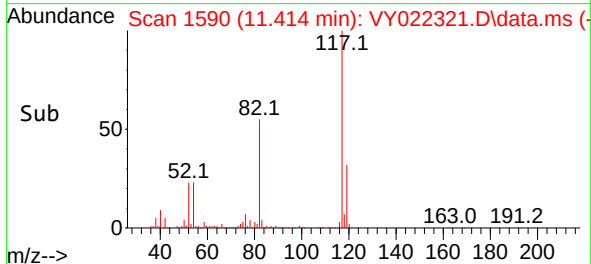
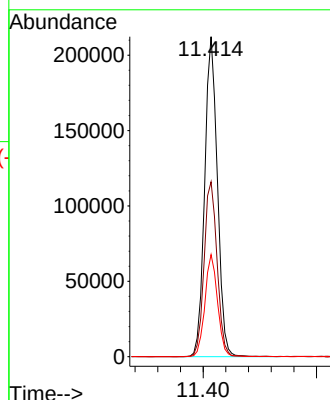
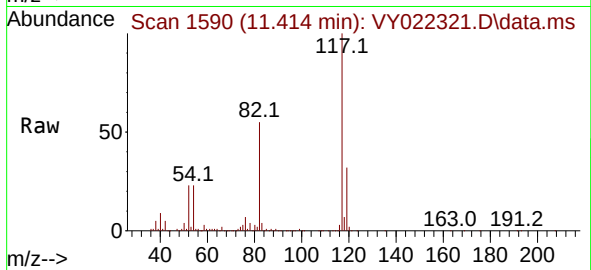




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-7-VOC

Tgt Ion:117 Resp: 331710
Ion Ratio Lower Upper
117 100
82 54.6 46.6 70.0
119 31.9 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: VY022321.D
Acq: 19 May 2025 16:09

Tgt Ion:152 Resp: 125608
Ion Ratio Lower Upper
152 100
115 56.0 29.4 88.2
150 158.4 0.0 353.8

