

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022324.D
 Acq On : 19 May 2025 17:20
 Operator : SY/MD
 Sample : Q2071-15
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L2-WC-5-VOC

Quant Time: May 20 01:16:54 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	231908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	414418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	332615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	124097	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122878	48.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.960%
35) Dibromofluoromethane	7.634	113	123664	49.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.000%
50) Toluene-d8	10.103	98	494590	48.823	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.402	95	128462	40.007	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.020%

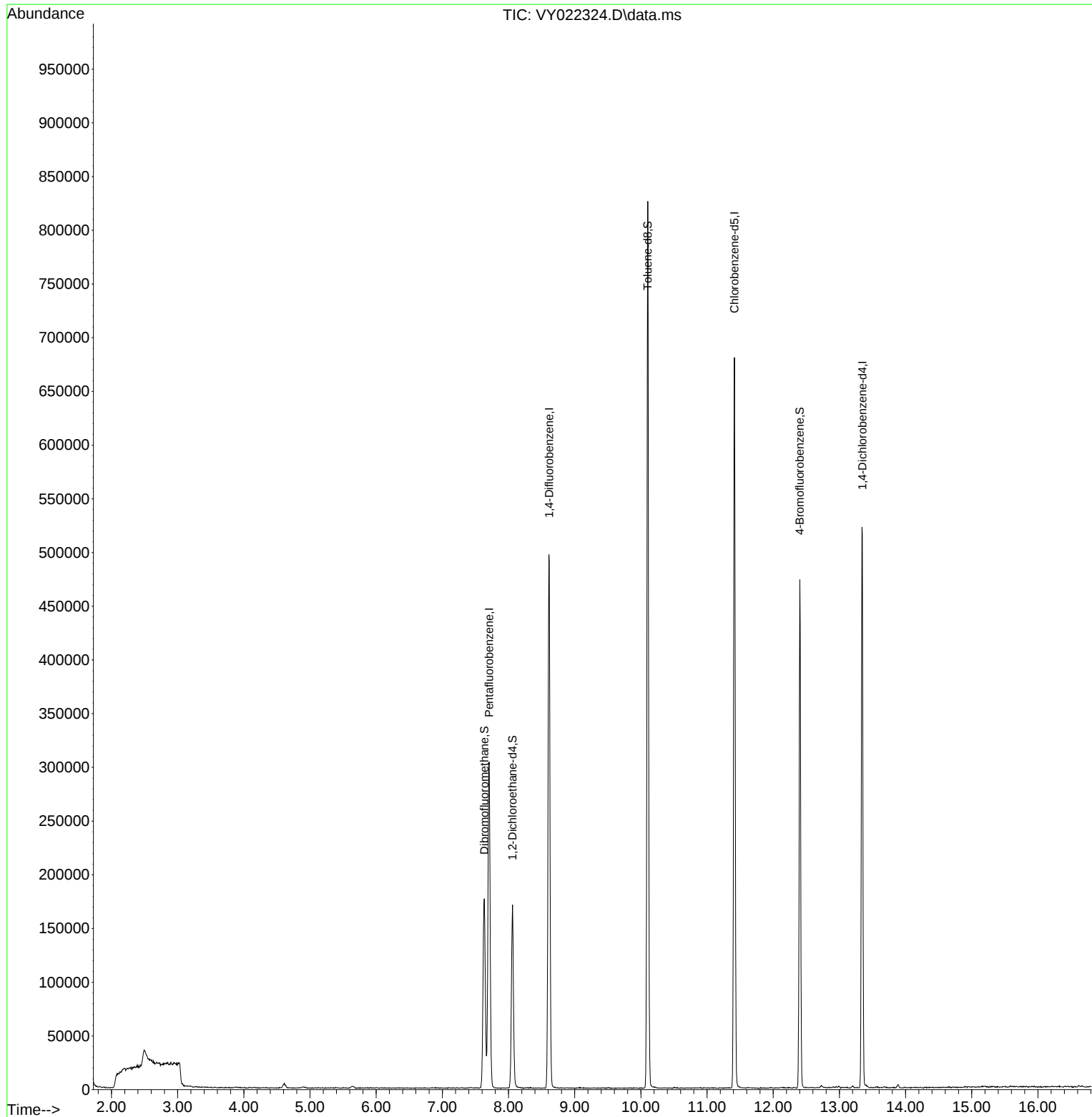
Target Compounds	Qvalue

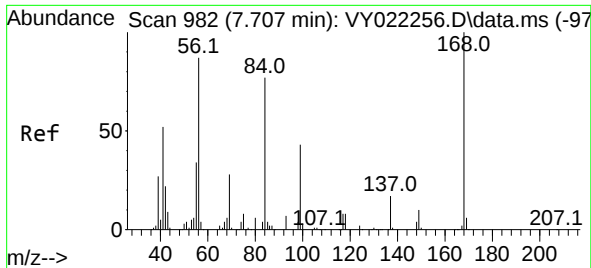
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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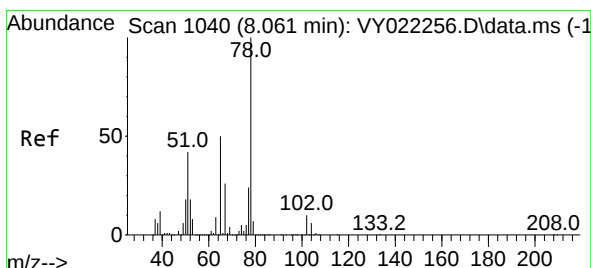
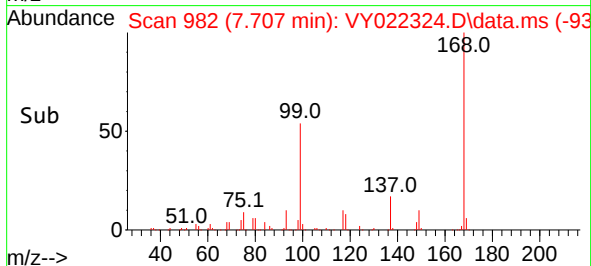
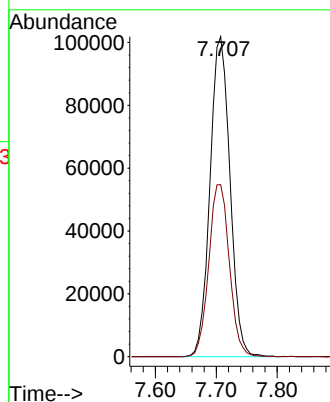
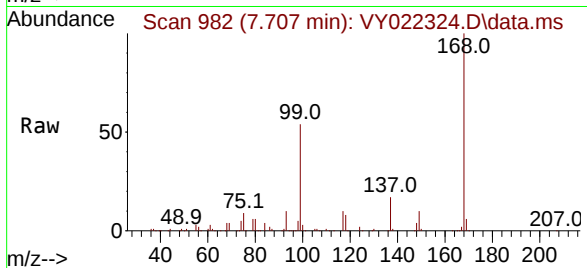




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

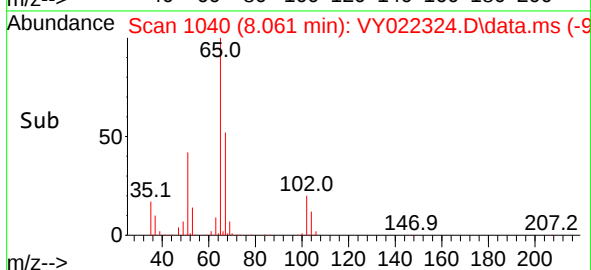
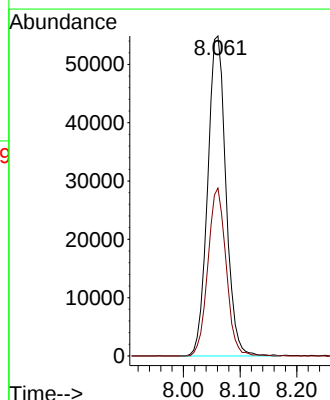
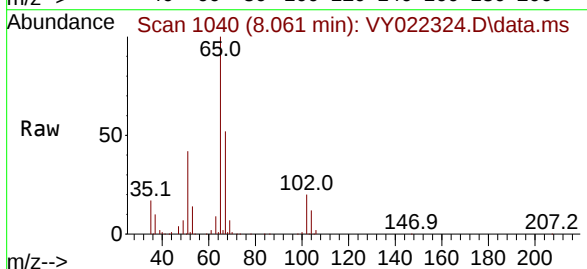
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-5-VOC

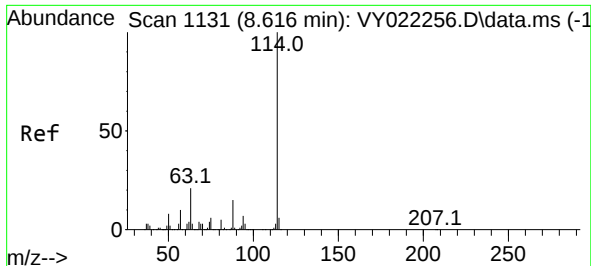
Tgt Ion:168 Resp: 231908
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.481 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Tgt Ion: 65 Resp: 122878
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6

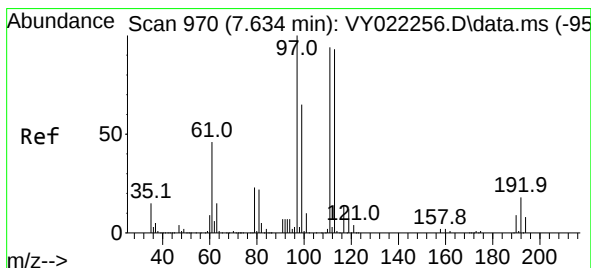
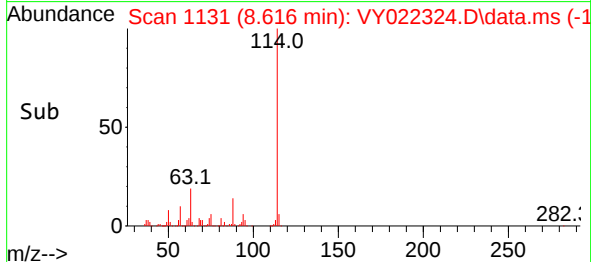
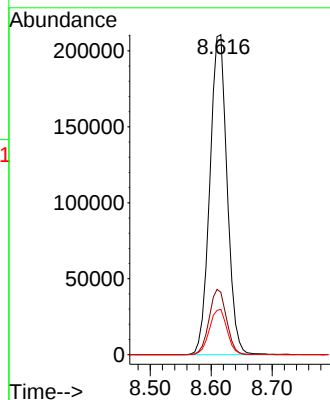
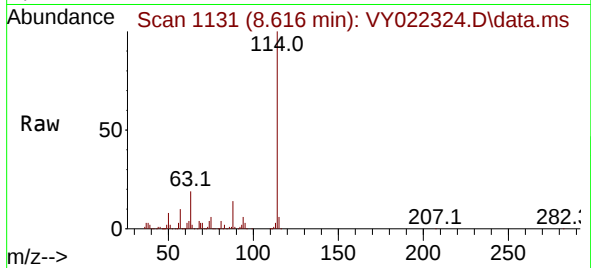




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

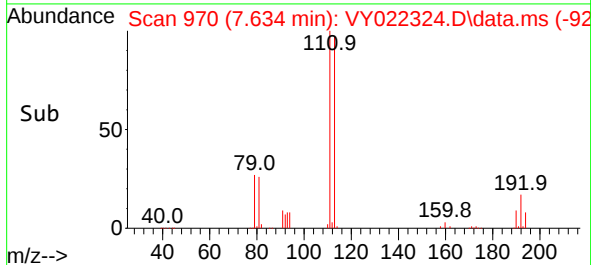
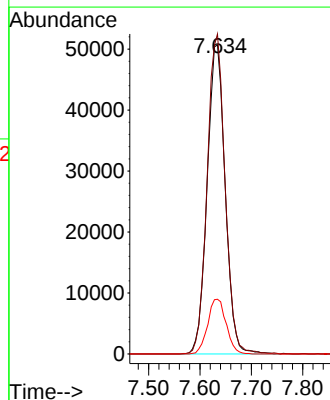
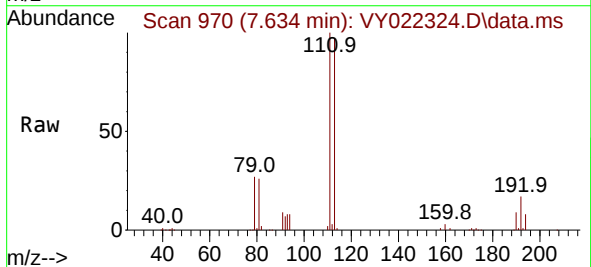
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-5-VOC

Tgt Ion:114 Resp: 414418
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.0
88 14.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.996 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Tgt Ion:113 Resp: 123664
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 18.1 15.2 22.8

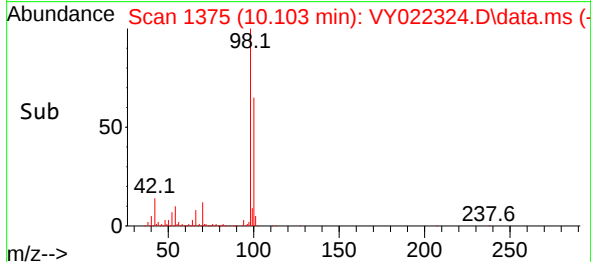
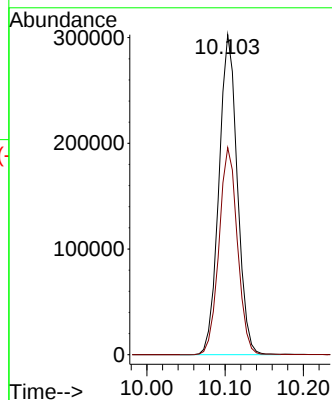
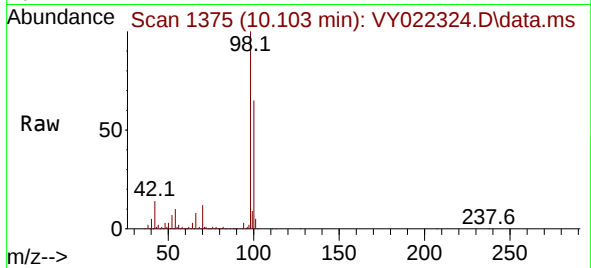




#50
Toluene-d8
Concen: 48.823 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

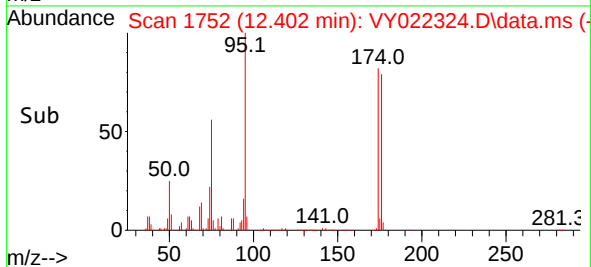
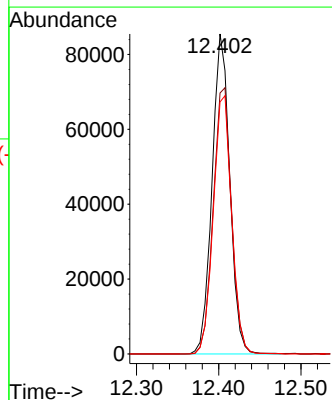
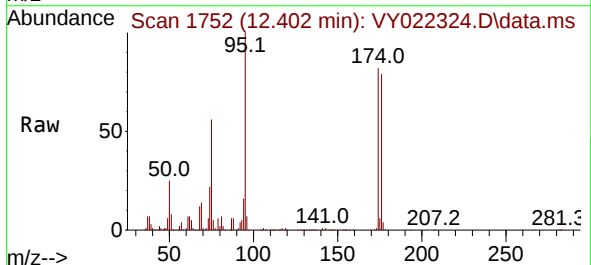
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-5-VOC

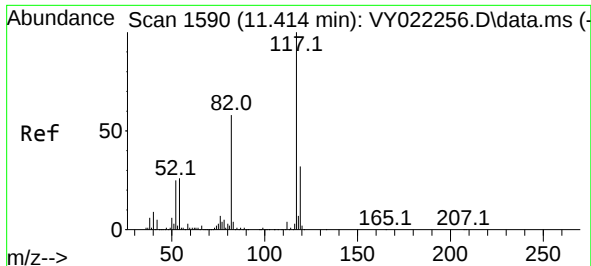
Tgt Ion: 98 Resp: 494590
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.007 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Tgt Ion: 95 Resp: 128462
Ion Ratio Lower Upper
95 100
174 86.0 0.0 166.8
176 83.6 0.0 160.8

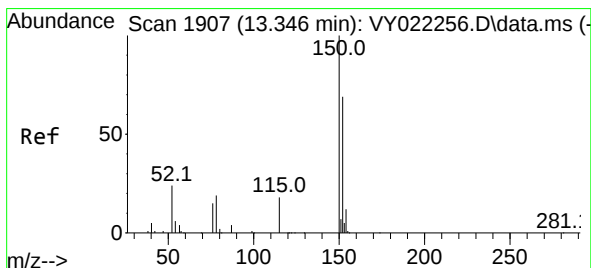
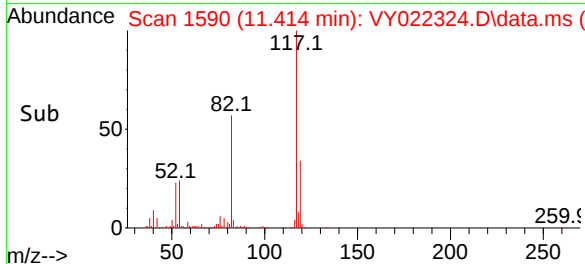
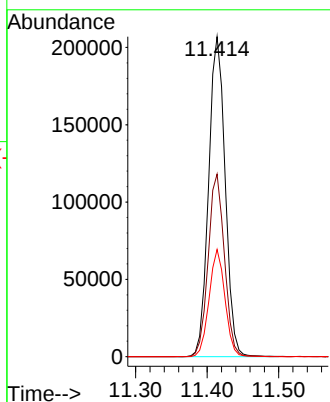
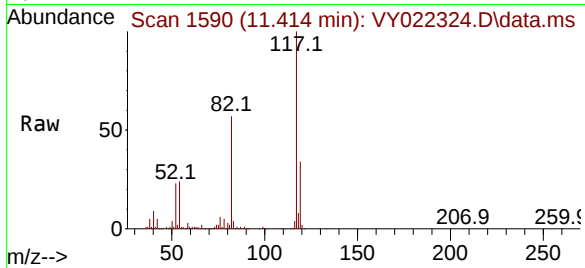




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-5-VOC

Tgt Ion:117 Resp: 332615
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 33.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Tgt Ion:152 Resp: 124097
Ion Ratio Lower Upper
152 100
115 57.9 29.4 88.2
150 158.5 0.0 353.8

