

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022518.D
 Acq On : 03 Jun 2025 13:27
 Operator : SY/MD
 Sample : Q2185-06
 Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP01-MHB-VOC

Quant Time: Jun 04 04:11:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	283738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	520889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	159390	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159483	50.255	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.520%
35) Dibromofluoromethane	7.634	113	156439	50.317	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.640%
50) Toluene-d8	10.103	98	626449	49.866	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.740%
62) 4-Bromofluorobenzene	12.402	95	162463	43.404	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.800%

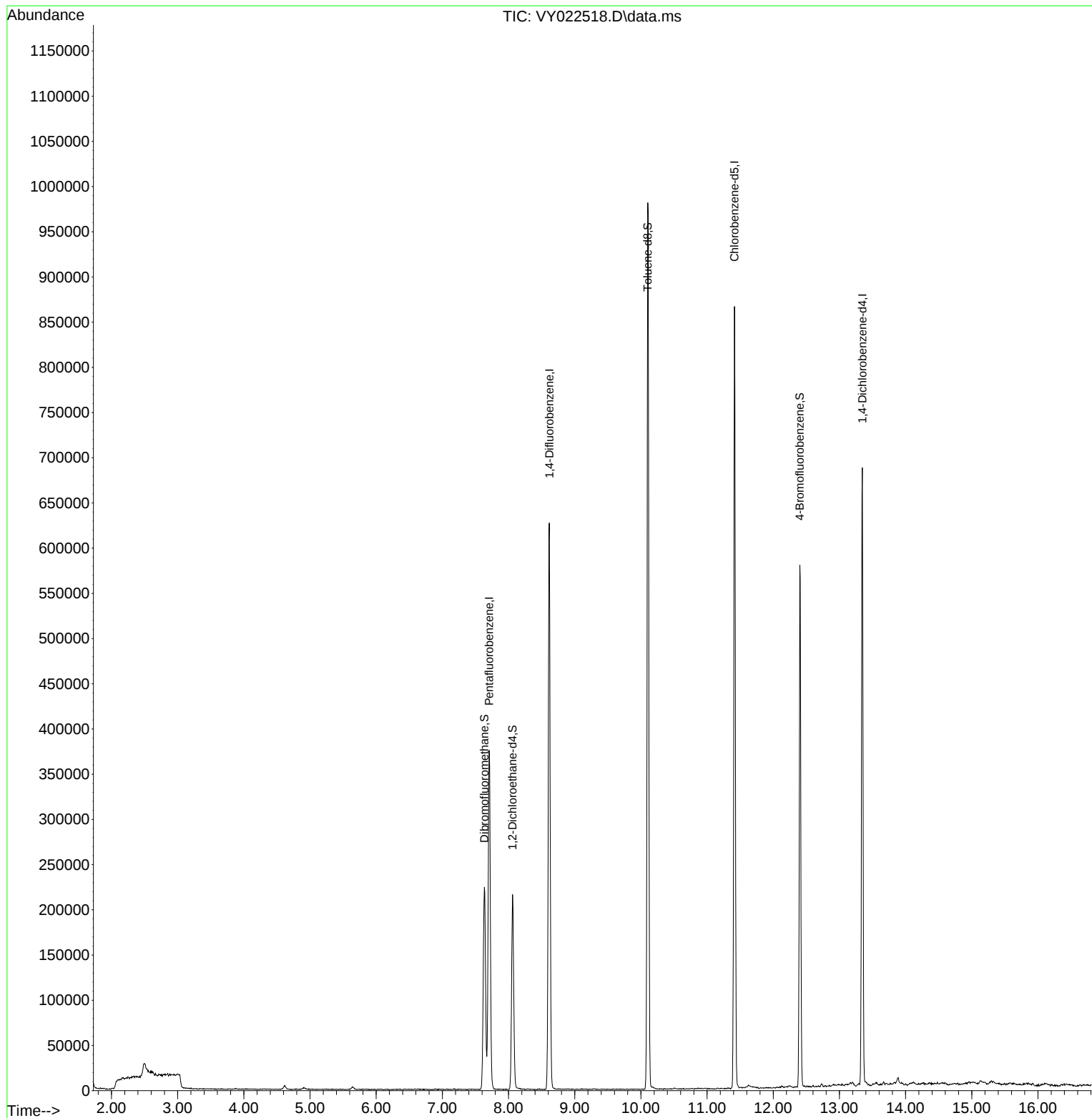
Target Compounds	Qvalue

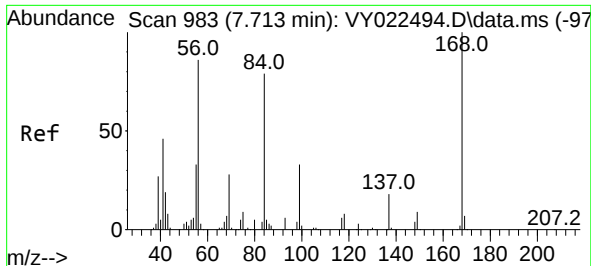
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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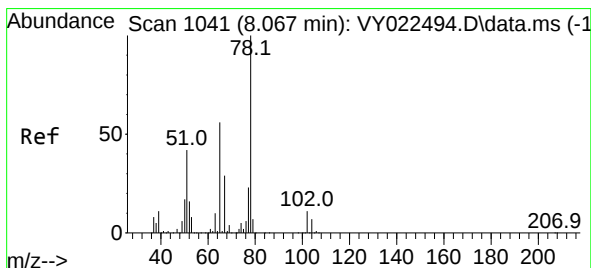
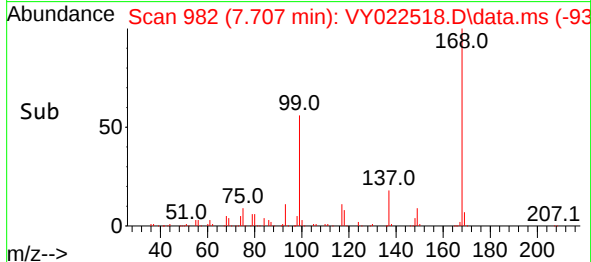
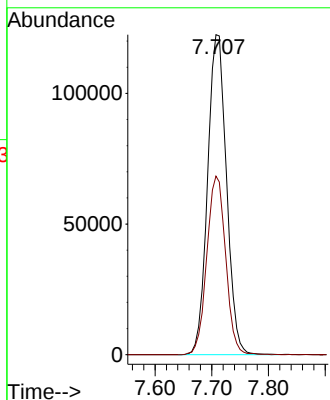
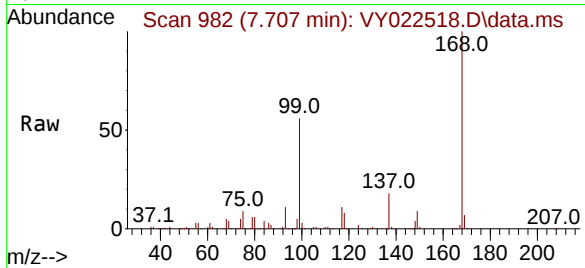




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022518.D
Acq: 03 Jun 2025 13:27

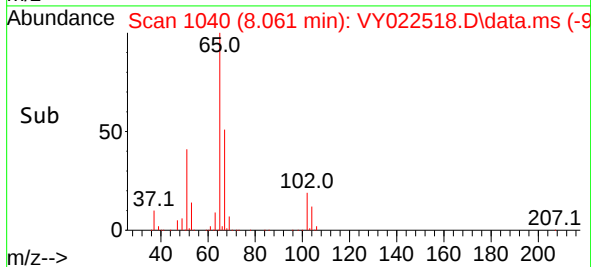
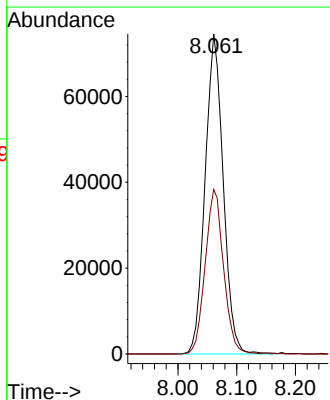
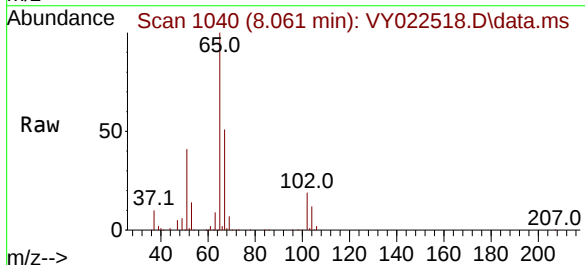
Instrument :
MSVOA_Y
ClientSampleId :
TP01-MHB-VOC

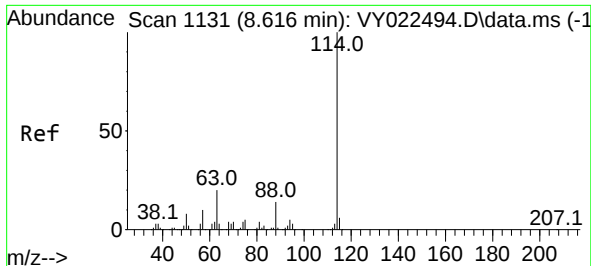
Tgt Ion:168 Resp: 283738
Ion Ratio Lower Upper
168 100
99 55.8 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 50.255 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022518.D
Acq: 03 Jun 2025 13:27

Tgt Ion: 65 Resp: 159483
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4

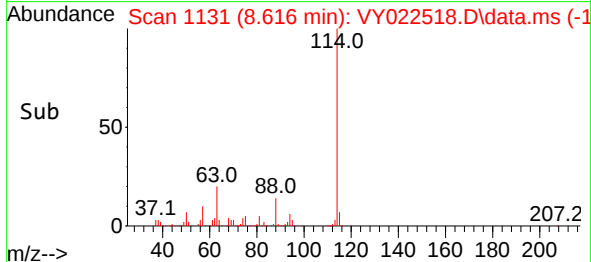
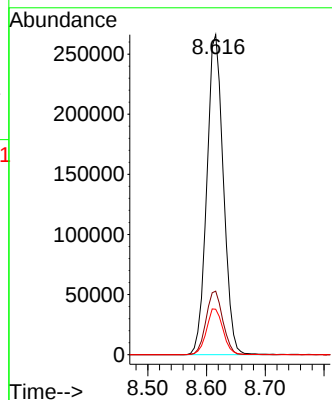
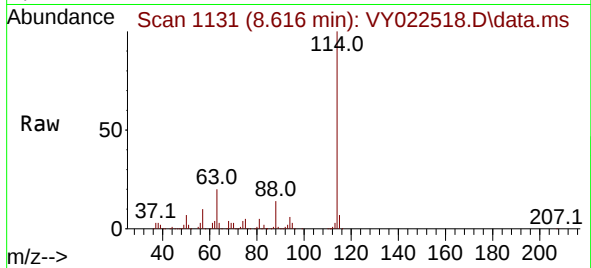




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022518.D
Acq: 03 Jun 2025 13:27

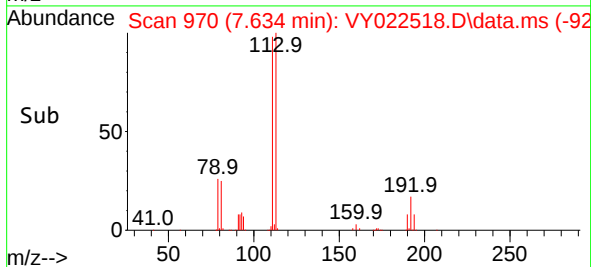
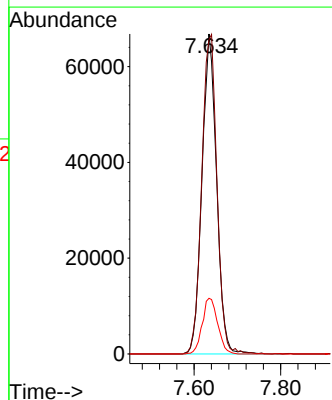
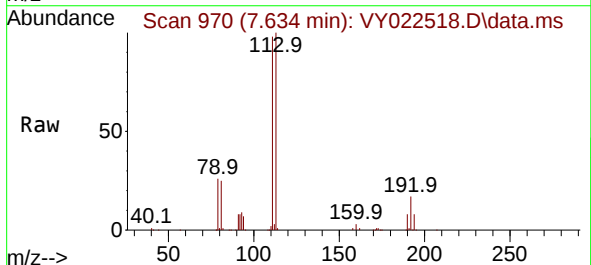
Instrument :
MSVOA_Y
ClientSampleId :
TP01-MHB-VOC

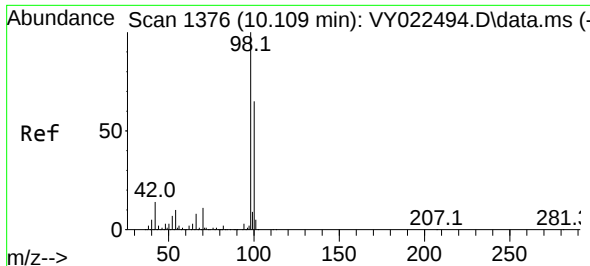
Tgt Ion:114 Resp: 520889
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 14.2 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.317 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022518.D
Acq: 03 Jun 2025 13:27

Tgt Ion:113 Resp: 156439
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 18.4 14.2 21.2

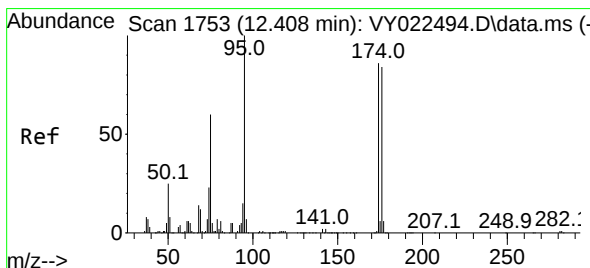
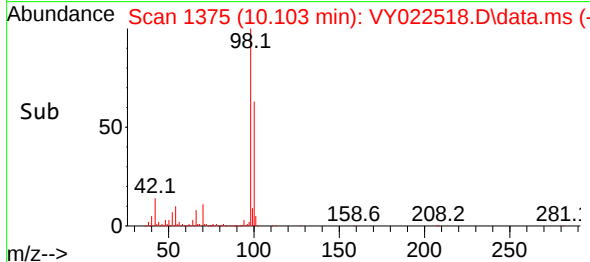
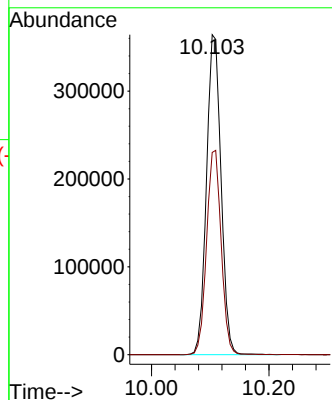
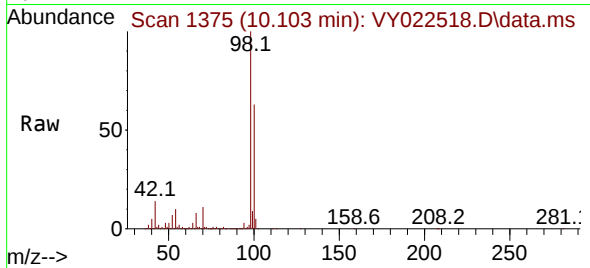




#50
Toluene-d8
Concen: 49.866 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022518.D
Acq: 03 Jun 2025 13:27

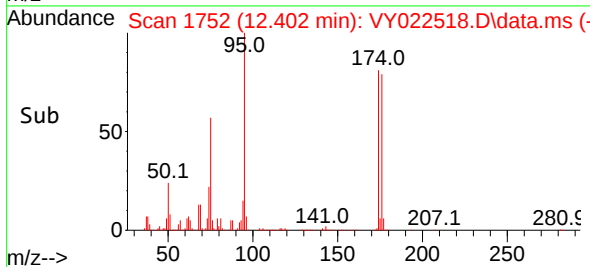
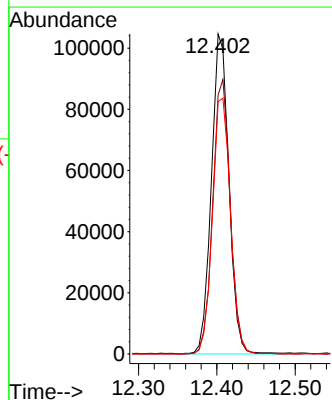
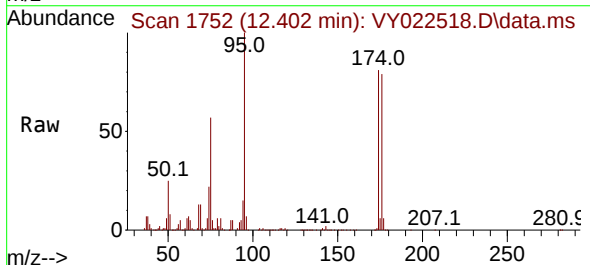
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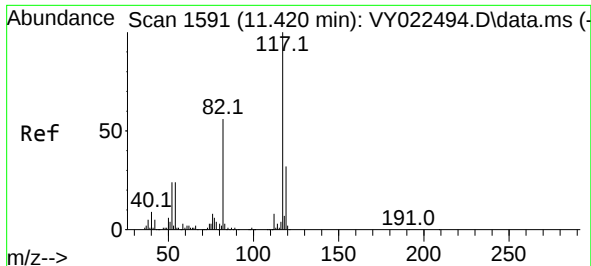
Tgt Ion: 98 Resp: 626449
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.404 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022518.D
Acq: 03 Jun 2025 13:27

Tgt Ion: 95 Resp: 162463
Ion Ratio Lower Upper
95 100
174 85.8 0.0 170.0
176 82.6 0.0 166.2

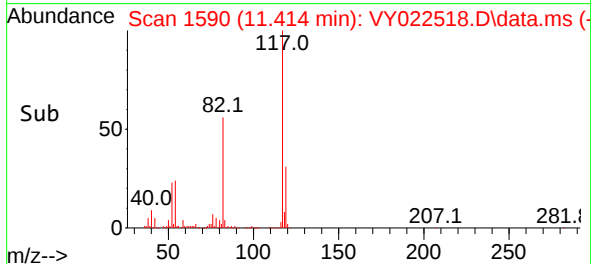
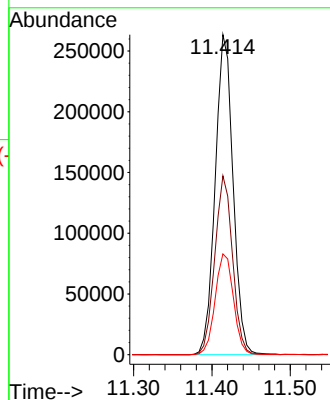
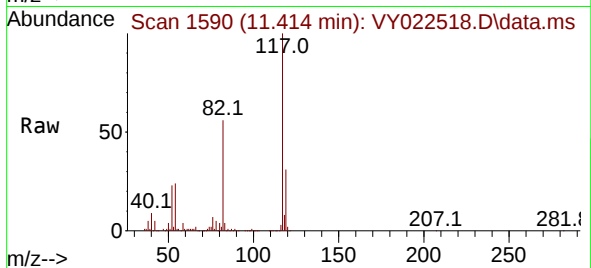




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022518.D
Acq: 03 Jun 2025 13:27

Instrument :
MSVOA_Y
ClientSampleId :
TP01-MHB-VOC

Tgt Ion:117 Resp: 417894
Ion Ratio Lower Upper
117 100
82 55.9 44.6 66.8
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022518.D
Acq: 03 Jun 2025 13:27

Tgt Ion:152 Resp: 159390
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.7
150 158.8 0.0 349.6

