

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022339.D
 Acq On : 20 May 2025 13:48
 Operator : SY/MD
 Sample : Q2056-05
 Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GVD15

Quant Time: May 21 01:48:24 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	237706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	226654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	56614	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102893	39.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.220%
35) Dibromofluoromethane	7.634	113	103910	47.316	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.640%
50) Toluene-d8	10.103	98	415289	46.173	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.340%
62) 4-Bromofluorobenzene	12.402	95	71596	25.114	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	50.220%

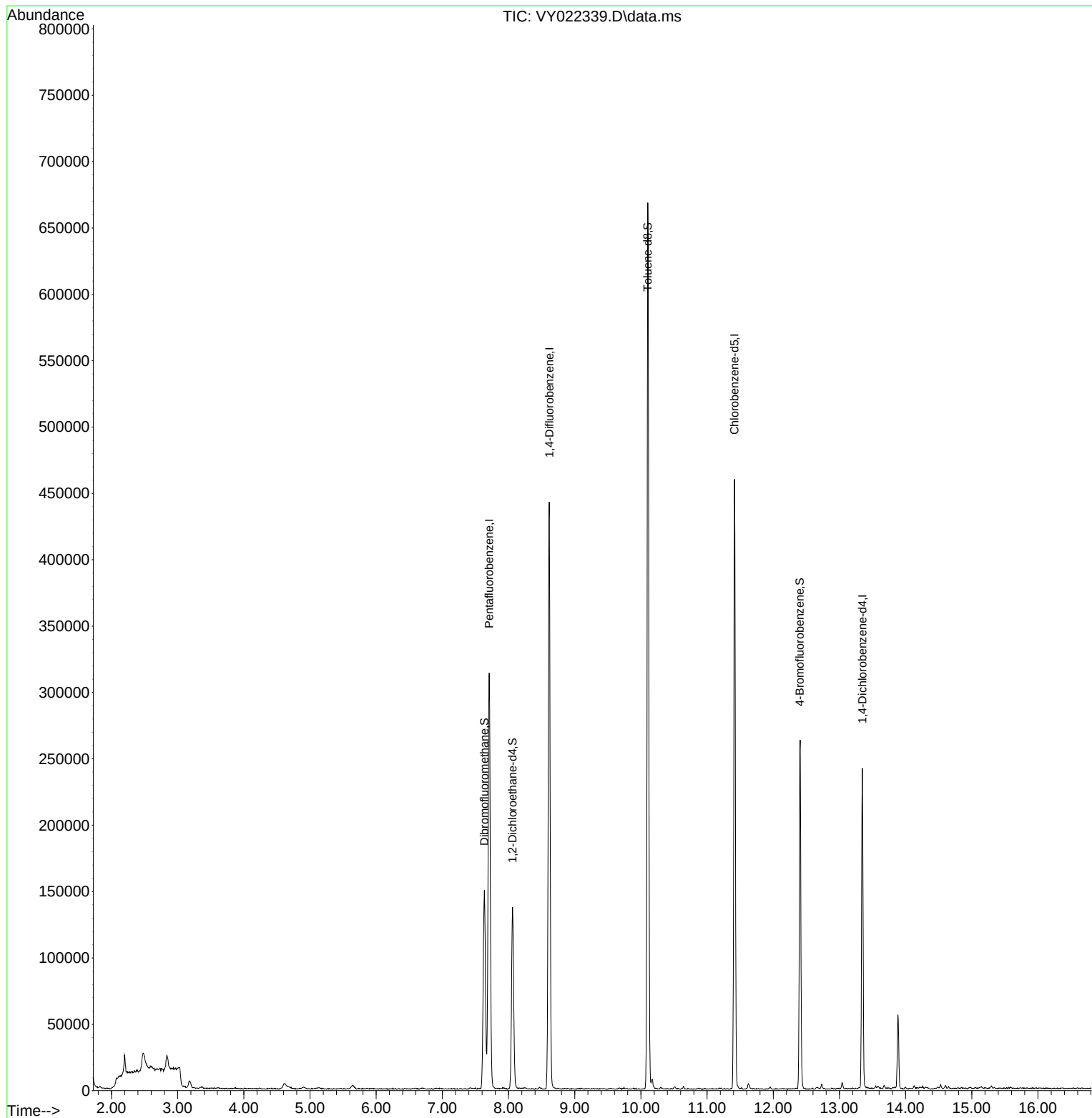
Target Compounds	Qvalue

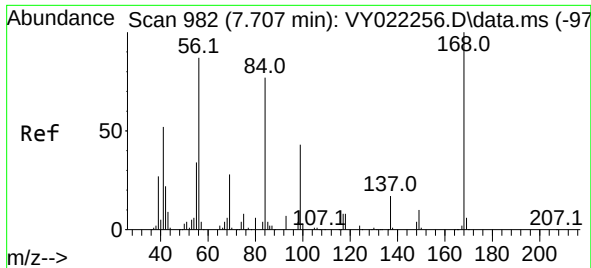
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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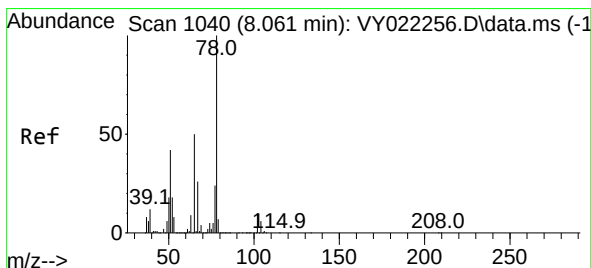
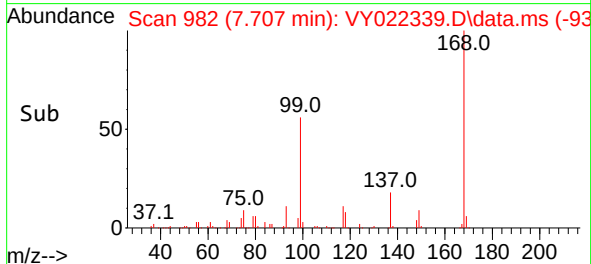
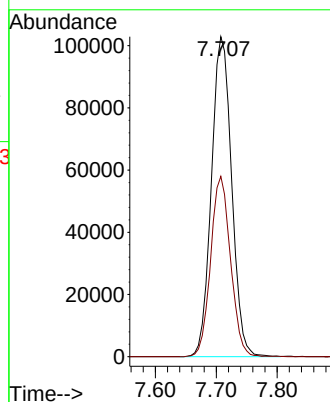
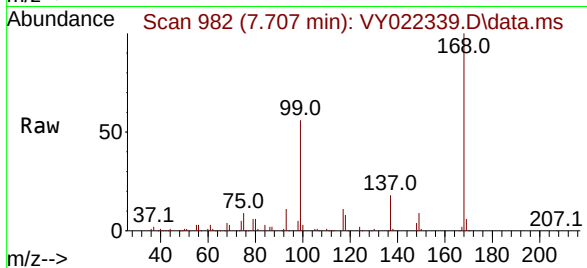




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

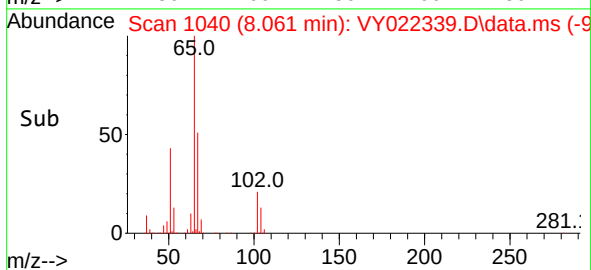
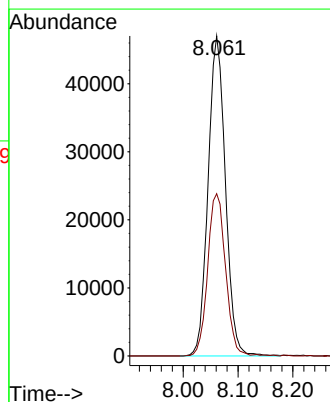
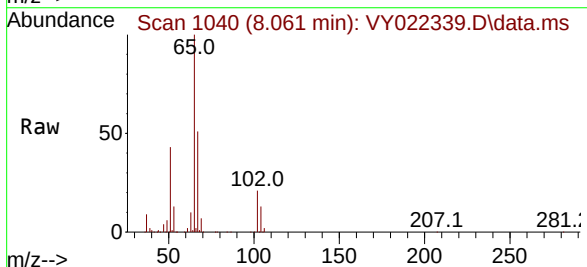
Instrument :
MSVOA_Y
ClientSampleId :
GVD15

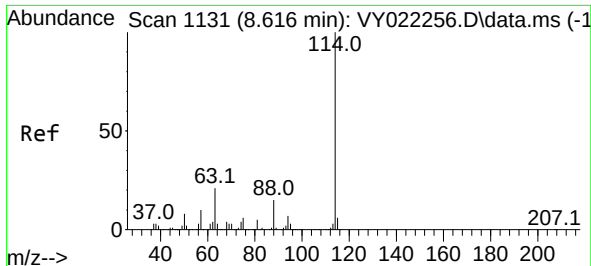
Tgt Ion:168 Resp: 237706
Ion Ratio Lower Upper
168 100
99 56.4 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 39.606 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

Tgt Ion: 65 Resp: 102893
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6

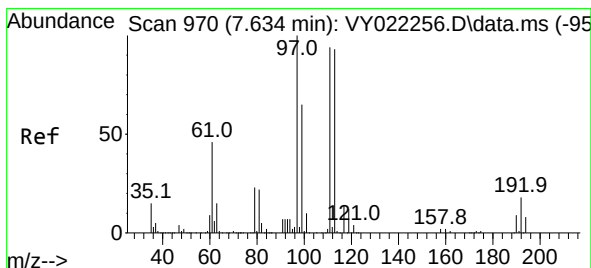
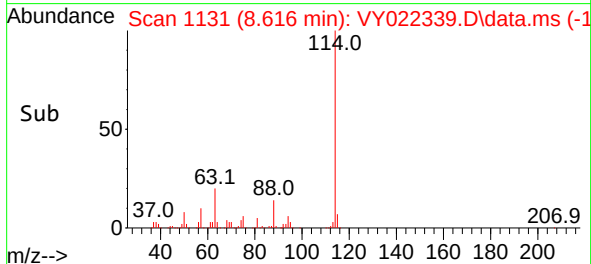
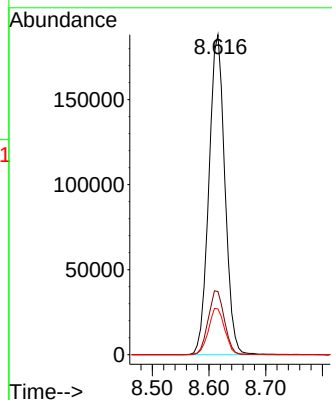
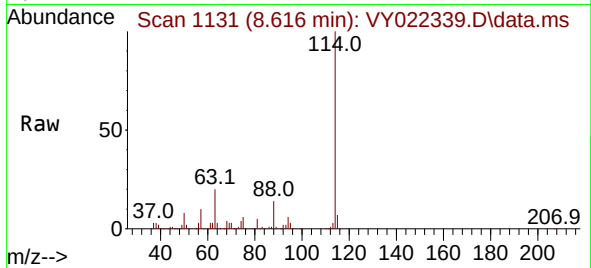




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

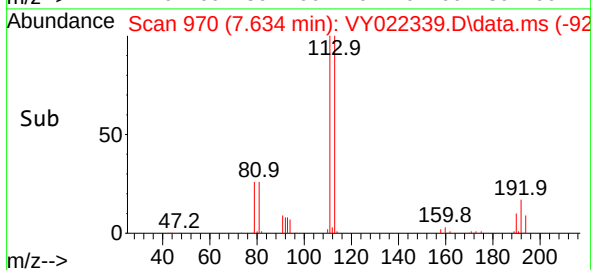
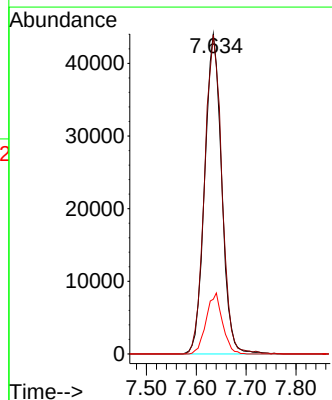
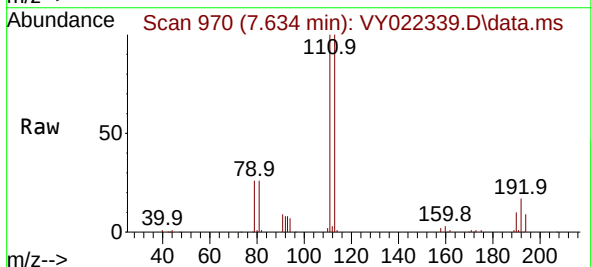
Instrument :
MSVOA_Y
ClientSampleId :
GVD15

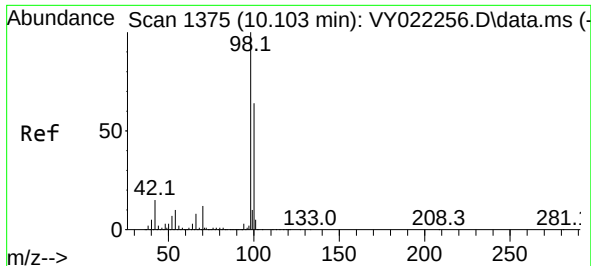
Tgt Ion:114 Resp: 367943
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.0
88 14.3 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.316 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

Tgt Ion:113 Resp: 103910
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 18.3 15.2 22.8

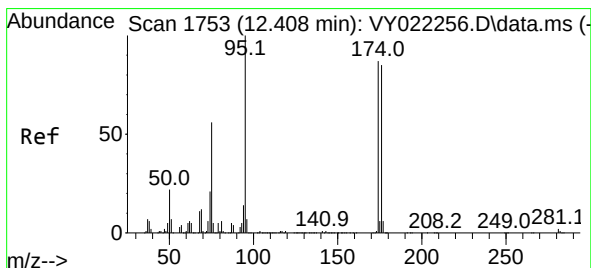
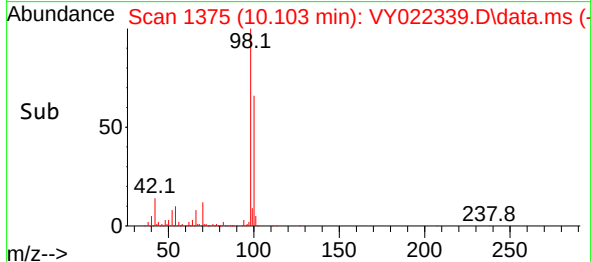
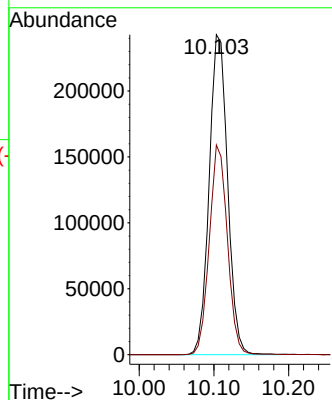
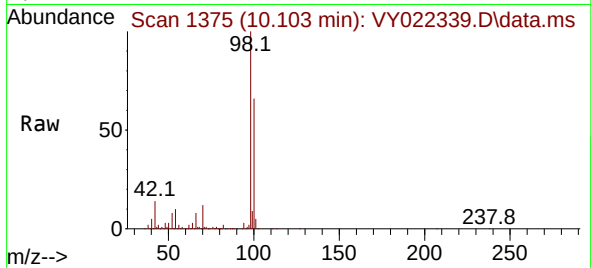




#50
Toluene-d8
Concen: 46.173 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

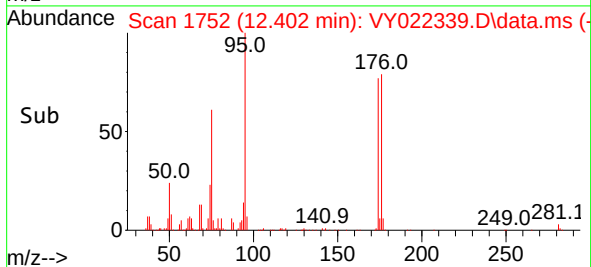
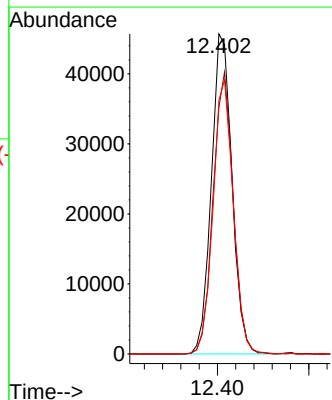
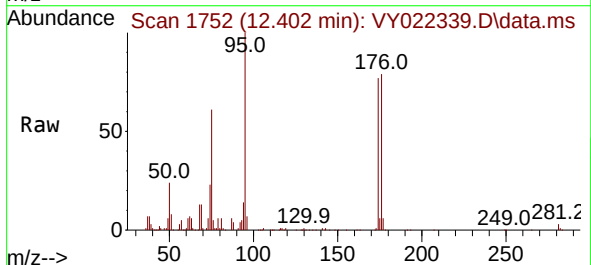
Instrument :
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GVD15

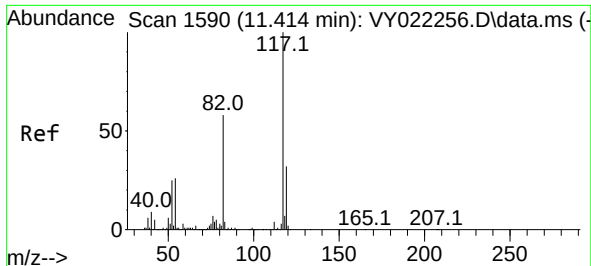
Tgt Ion: 98 Resp: 415289
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 25.114 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

Tgt Ion: 95 Resp: 71596
Ion Ratio Lower Upper
95 100
174 85.6 0.0 166.8
176 84.0 0.0 160.8

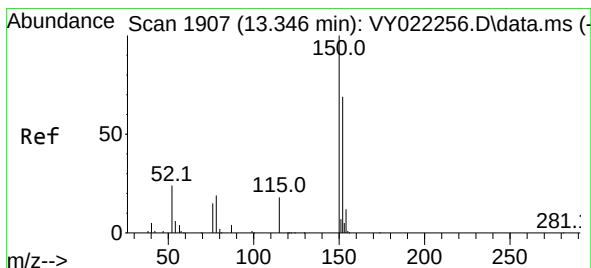
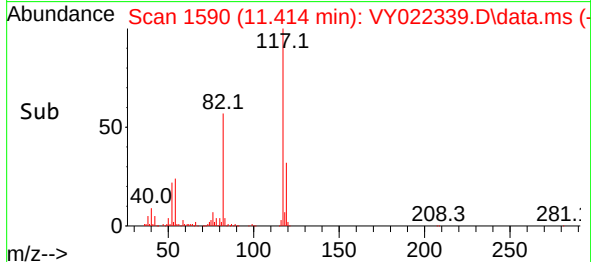
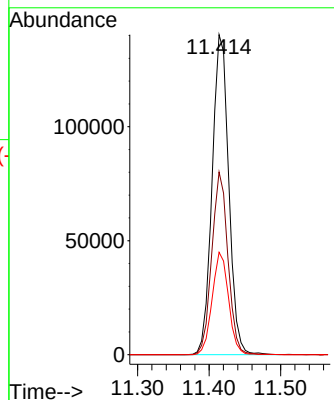
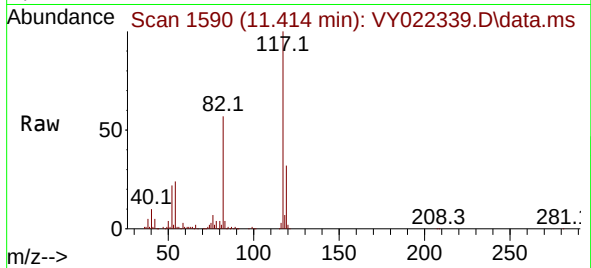




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Tgt Ion:117 Resp: 226654
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 32.0 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: VY022339.D
Acq: 20 May 2025 13:48

Tgt Ion:152 Resp: 56614
Ion Ratio Lower Upper
152 100
115 55.7 29.4 88.2
150 156.7 0.0 353.8

