

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY022996.D
 Acq On : 18 Jul 2025 13:39
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jul 19 01:53:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	350919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	640166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	616420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	270888	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	181830	51.184	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.360%
35) Dibromofluoromethane	7.634	113	196611	48.417	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.840%
50) Toluene-d8	10.103	98	753594	46.797	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.600%
62) 4-Bromofluorobenzene	12.401	95	277810	54.804	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.600%

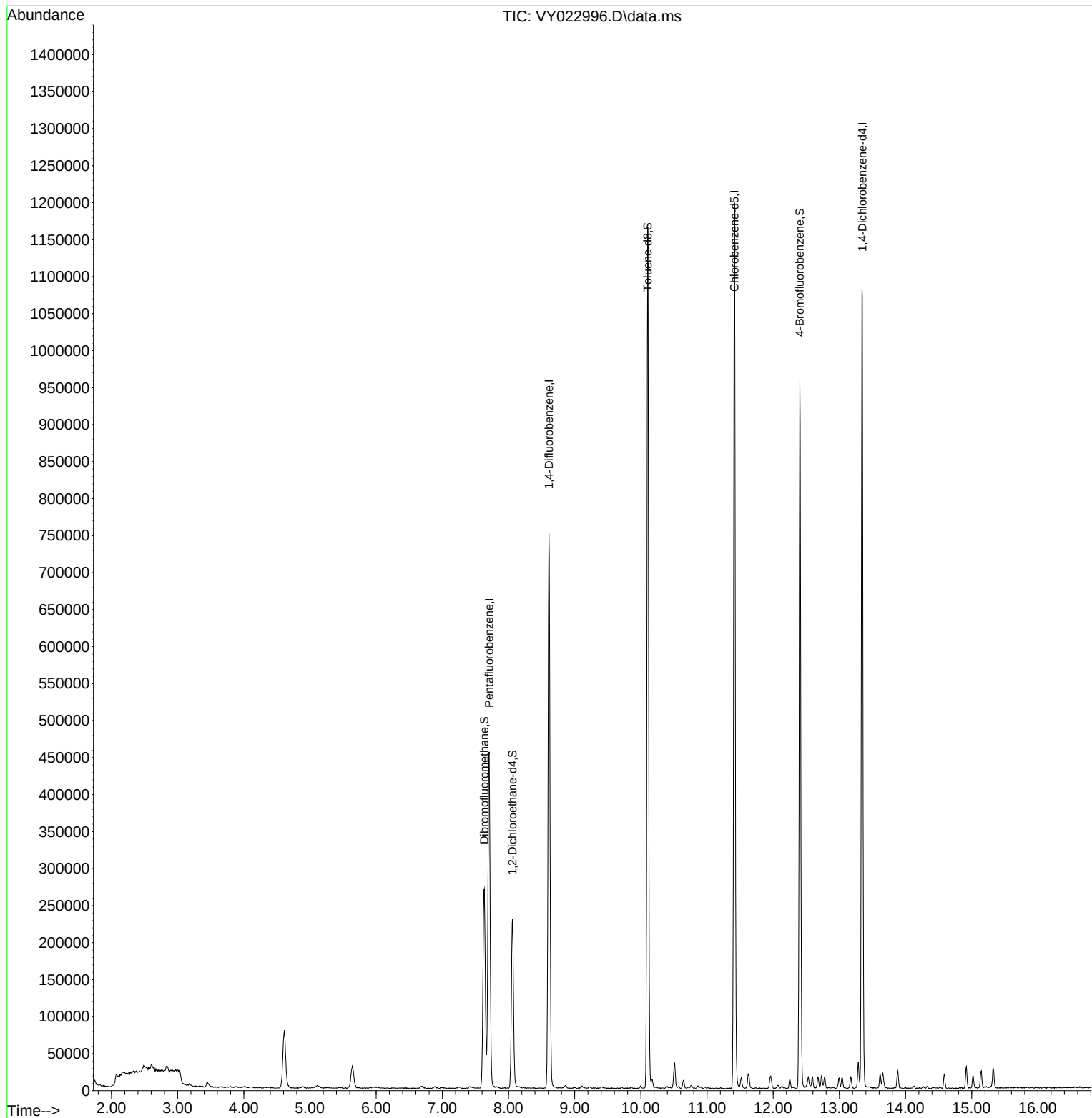
Target Compounds	Qvalue

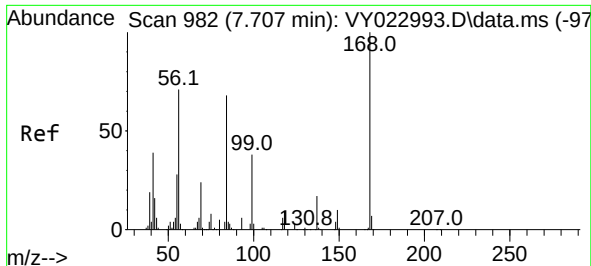
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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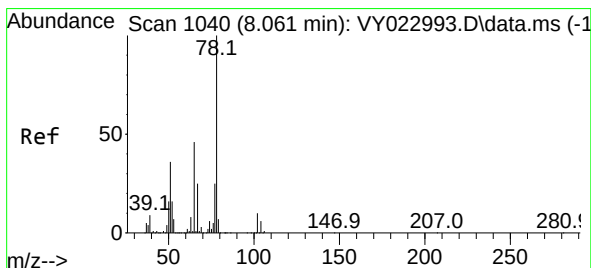
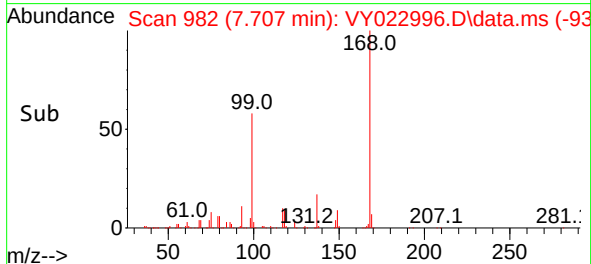
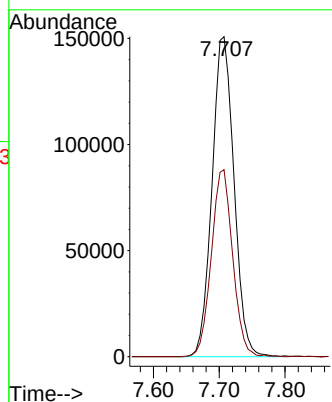
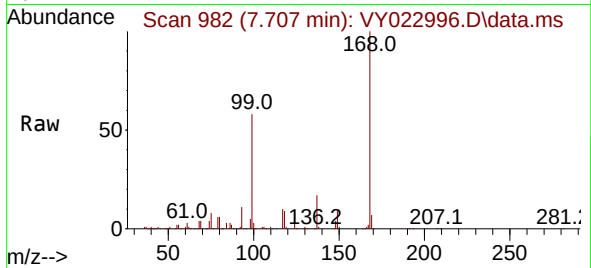




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022996.D
Acq: 18 Jul 2025 13:39

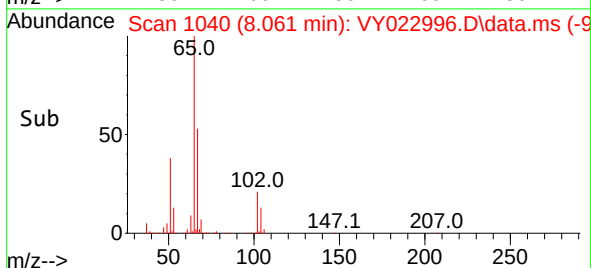
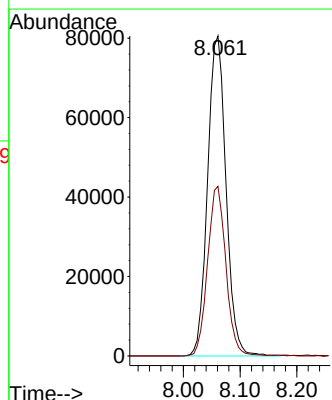
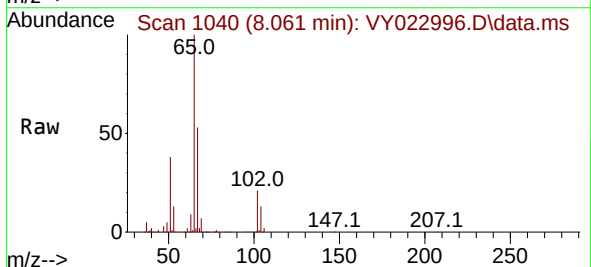
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

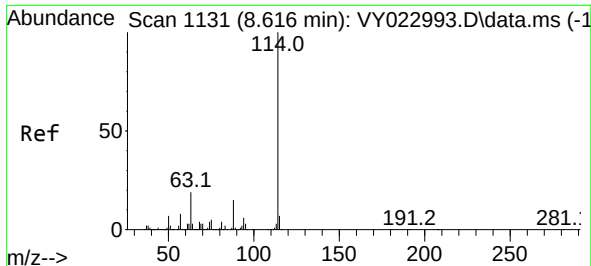
Tgt Ion:168 Resp: 350919
Ion Ratio Lower Upper
168 100
99 58.5 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 51.184 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022996.D
Acq: 18 Jul 2025 13:39

Tgt Ion: 65 Resp: 181830
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.4

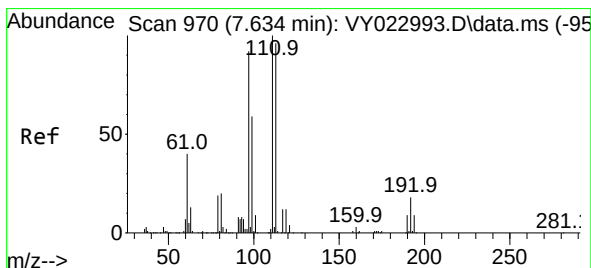
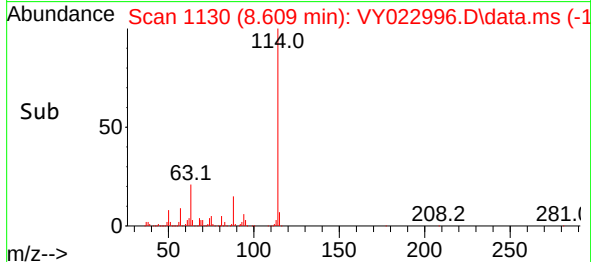
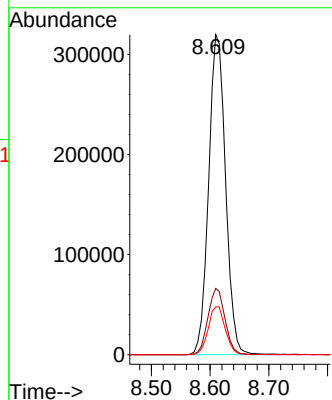
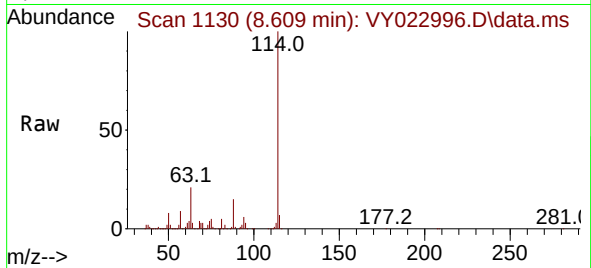




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022996.D
Acq: 18 Jul 2025 13:39

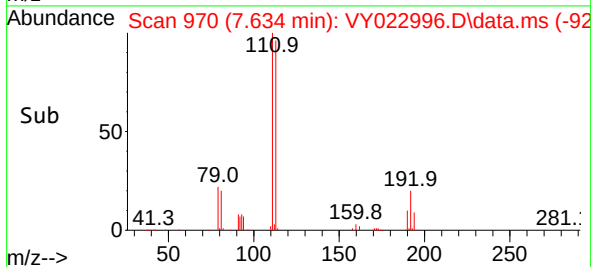
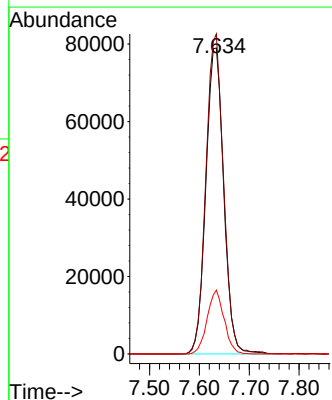
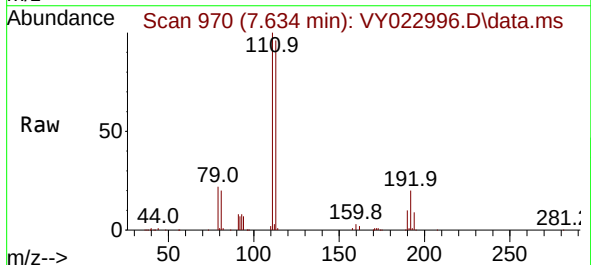
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

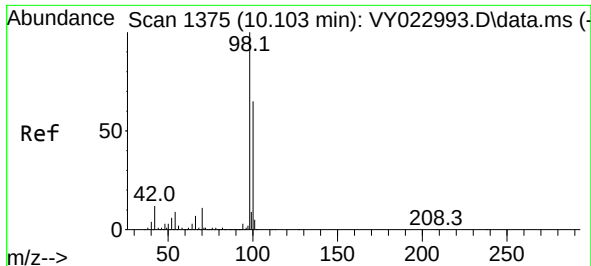
Tgt Ion:114 Resp: 640166
Ion Ratio Lower Upper
114 100
63 20.7 0.0 38.8
88 14.9 0.0 30.2



#35
Dibromofluoromethane
Concen: 48.417 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022996.D
Acq: 18 Jul 2025 13:39

Tgt Ion:113 Resp: 196611
Ion Ratio Lower Upper
113 100
111 103.1 83.2 124.8
192 19.8 15.3 22.9

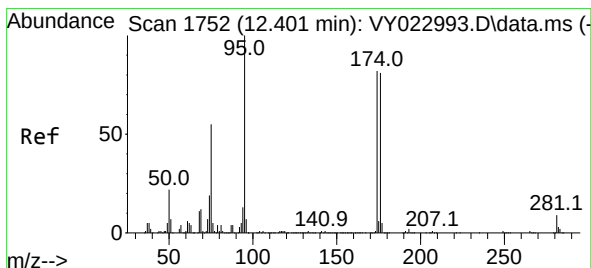
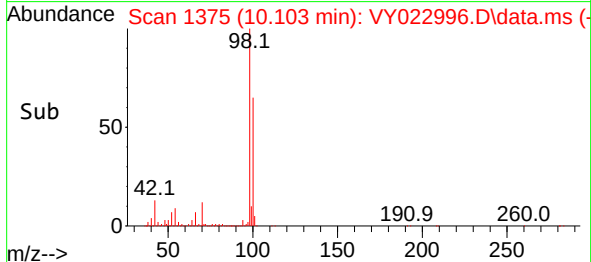
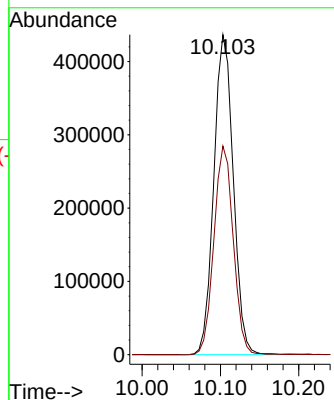
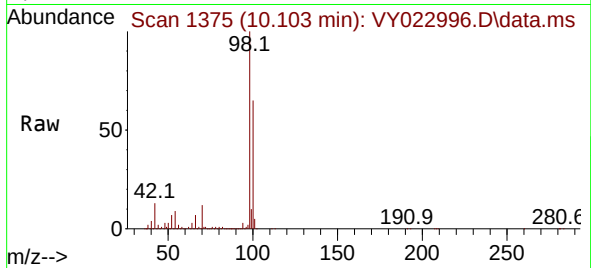




#50
Toluene-d8
Concen: 46.797 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022996.D
Acq: 18 Jul 2025 13:39

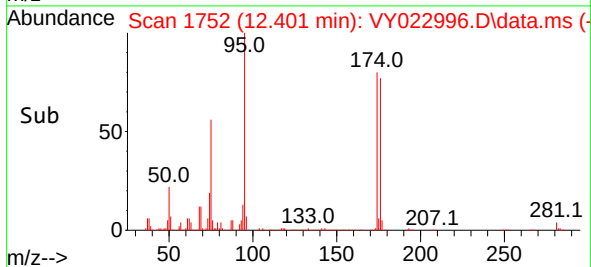
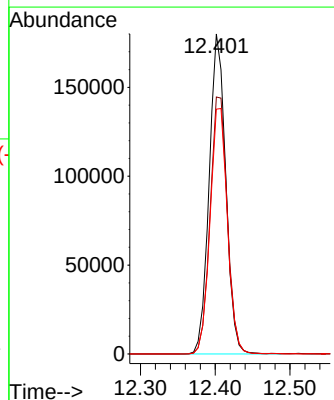
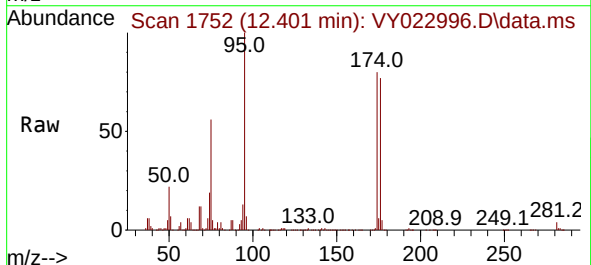
Instrument :
MSVOA_Y
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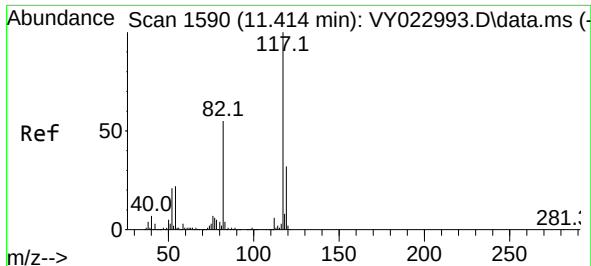
Tgt Ion: 98 Resp: 753594
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 54.804 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY022996.D
Acq: 18 Jul 2025 13:39

Tgt Ion: 95 Resp: 277810
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.8
176 80.4 0.0 163.6

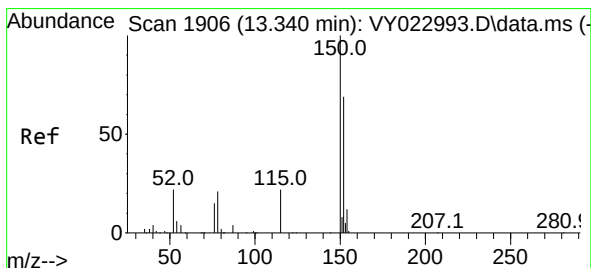
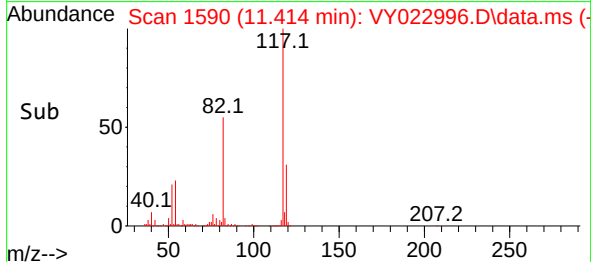
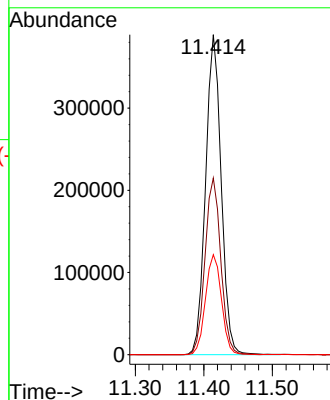
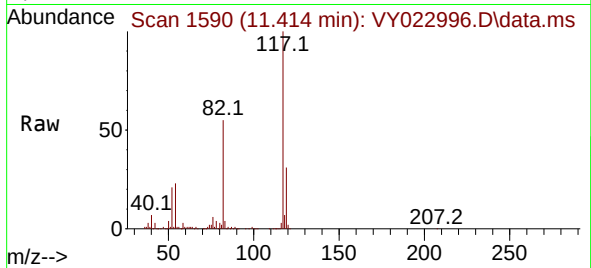




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022996.D
Acq: 18 Jul 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 616420
Ion Ratio Lower Upper
117 100
82 55.2 44.3 66.5
119 31.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY022996.D
Acq: 18 Jul 2025 13:39

Tgt Ion:152 Resp: 270888
Ion Ratio Lower Upper
152 100
115 58.3 29.4 88.2
150 157.9 0.0 350.0

