

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023260.D
 Acq On : 02 Sep 2025 13:13
 Operator : SY/MD
 Sample : Q2996-03
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CONTAINMENT-B

Quant Time: Sep 03 03:30:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	575371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1073866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	926950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	354496	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	301435	54.969	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.940%
35) Dibromofluoromethane	7.634	113	350800	54.594	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.180%
50) Toluene-d8	10.109	98	1248107	49.721	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.440%
62) 4-Bromofluorobenzene	12.408	95	342048	42.370	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.740%

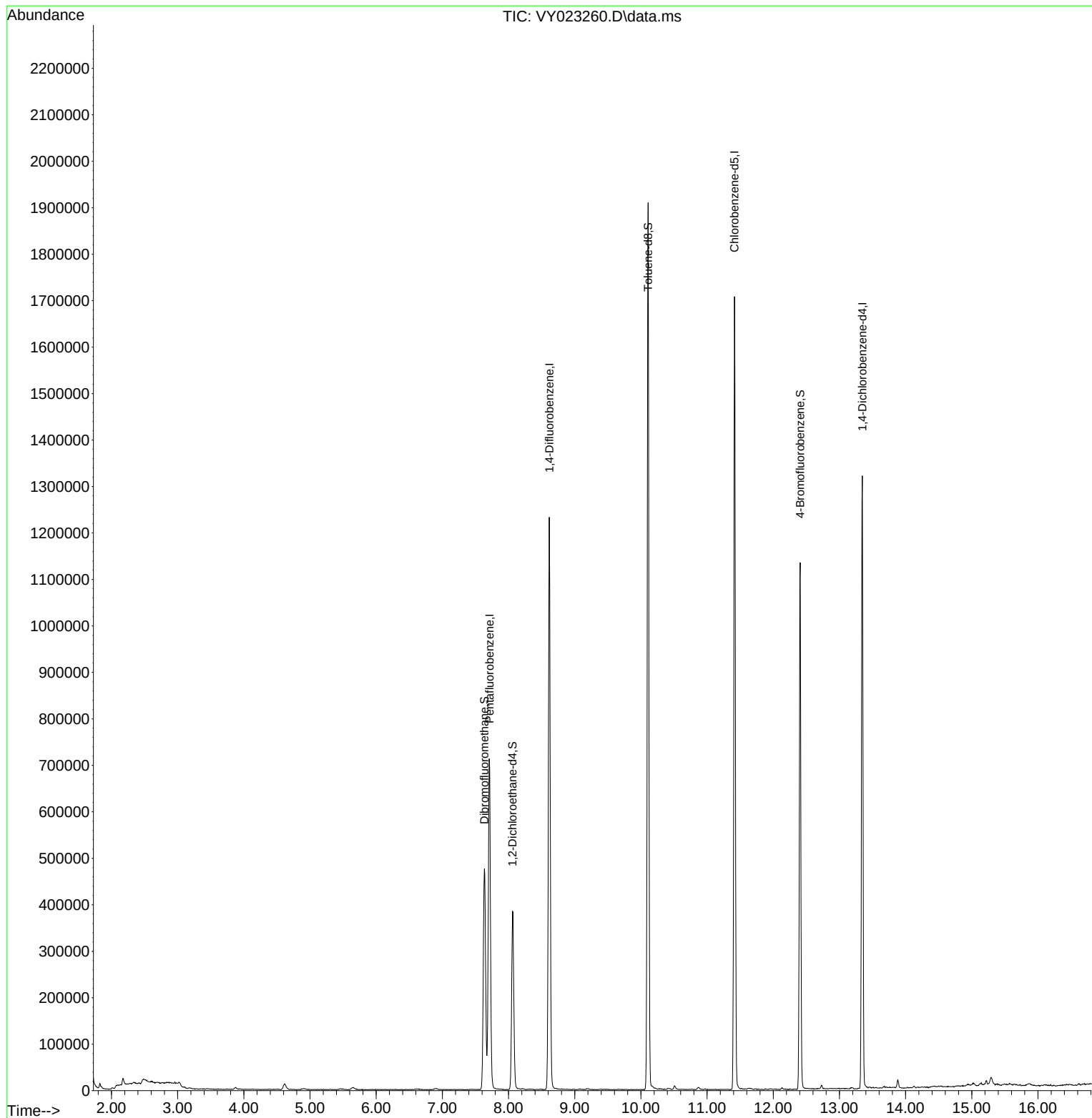
Target Compounds	Qvalue

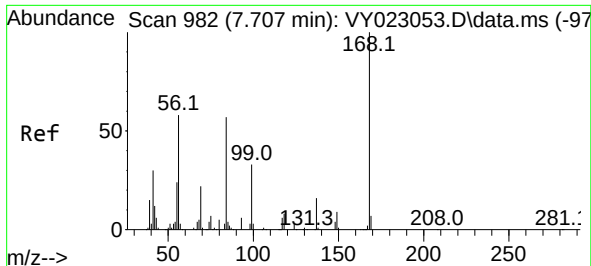
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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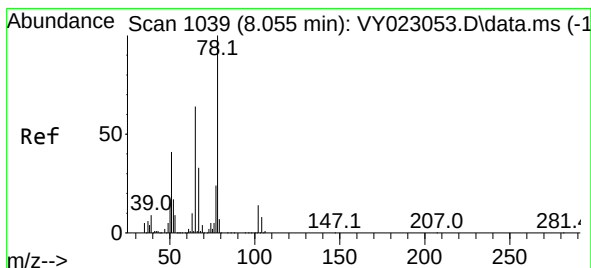
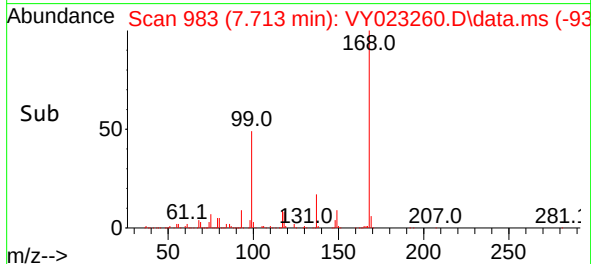
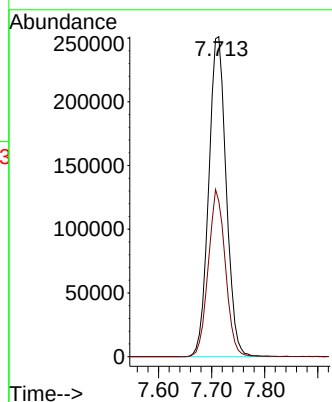
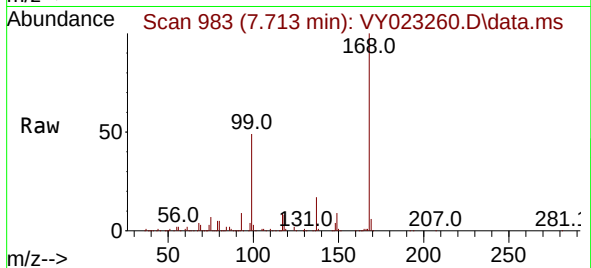




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023260.D
Acq: 02 Sep 2025 13:13

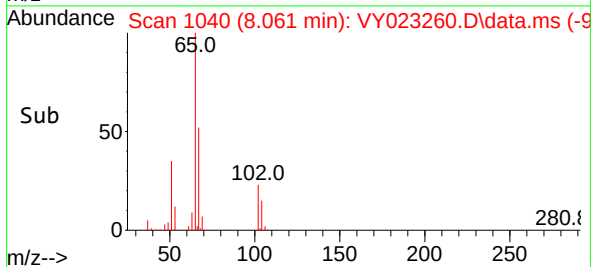
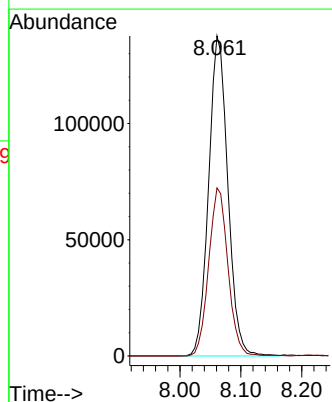
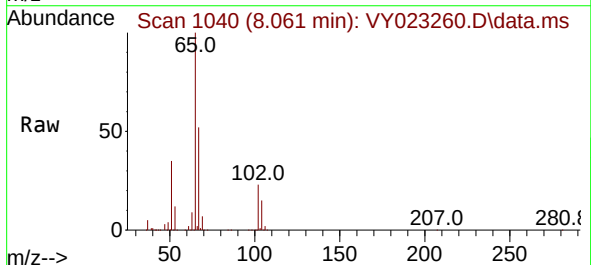
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-B

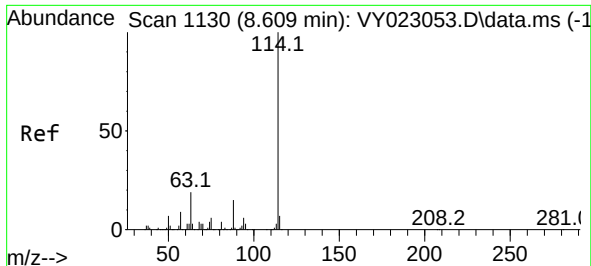
Tgt Ion:168 Resp: 575371
Ion Ratio Lower Upper
168 100
99 48.6 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 54.969 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023260.D
Acq: 02 Sep 2025 13:13

Tgt Ion: 65 Resp: 301435
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8

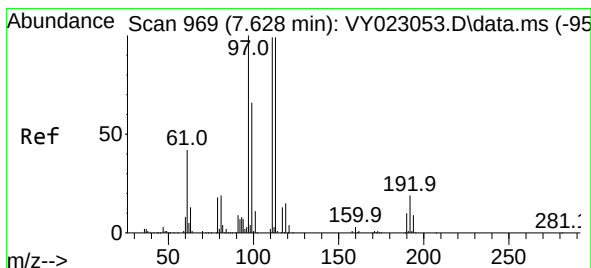
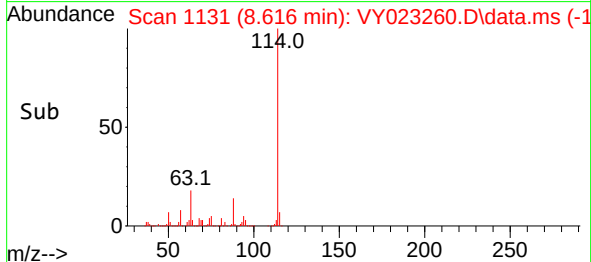
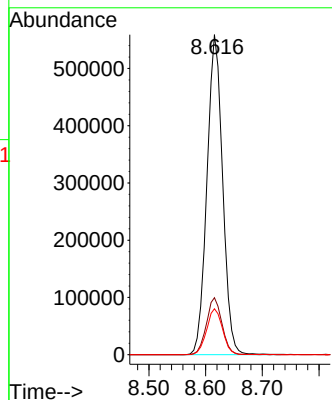
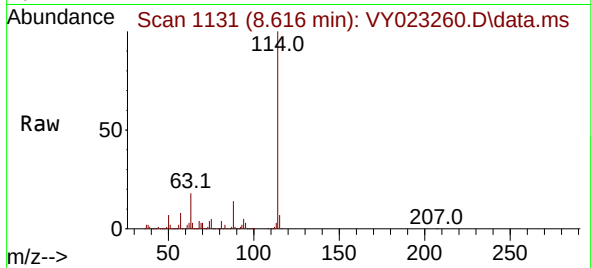




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023260.D
Acq: 02 Sep 2025 13:13

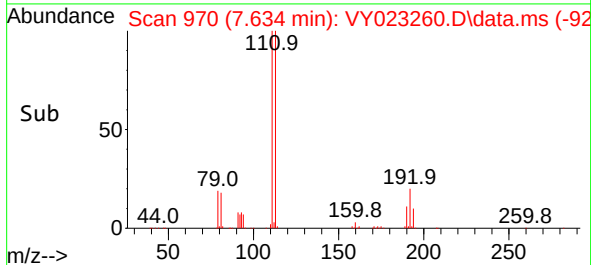
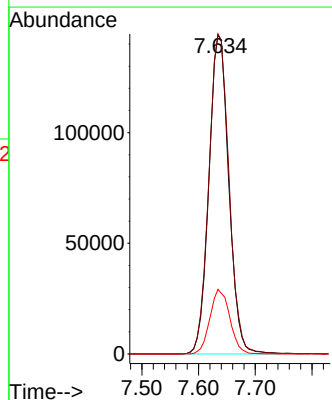
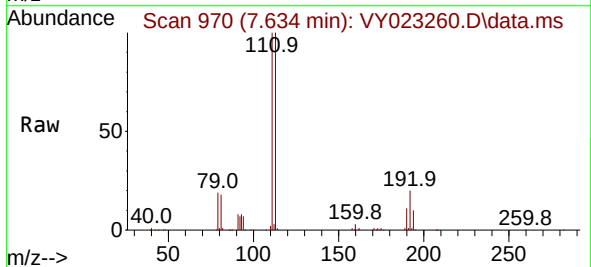
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-B

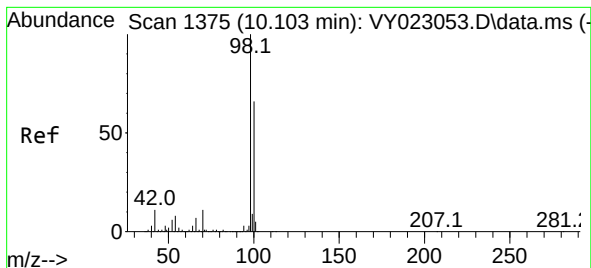
Tgt Ion:114 Resp: 1073866
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.4
88 14.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.594 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023260.D
Acq: 02 Sep 2025 13:13

Tgt Ion:113 Resp: 350800
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 20.3 16.2 24.4

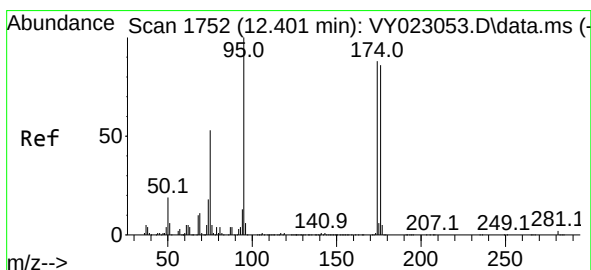
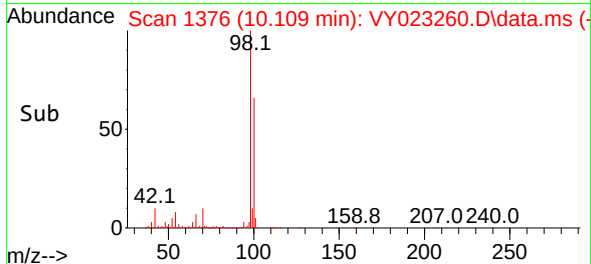
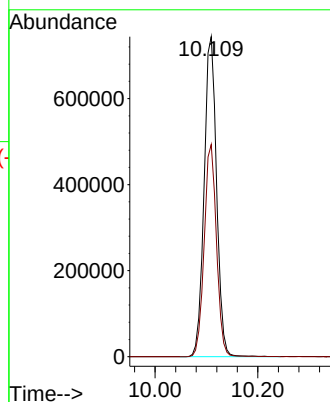
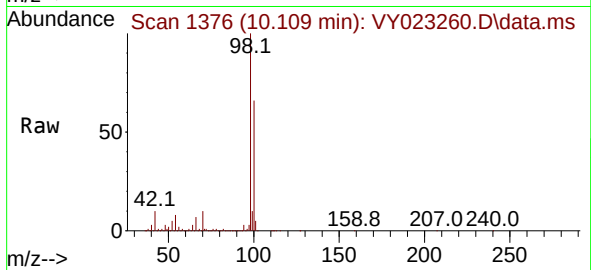




#50
Toluene-d8
Concen: 49.721 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023260.D
Acq: 02 Sep 2025 13:13

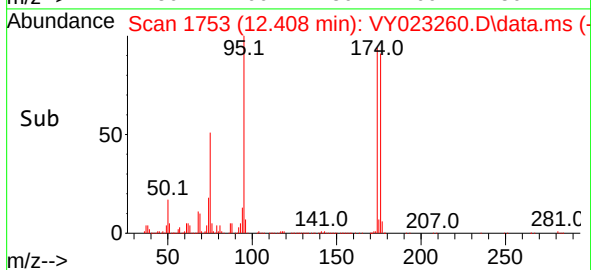
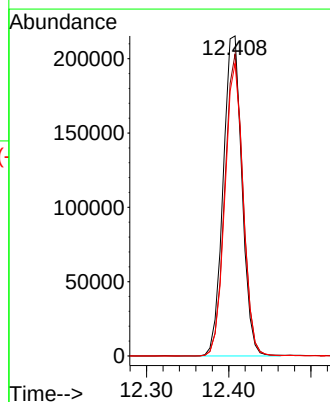
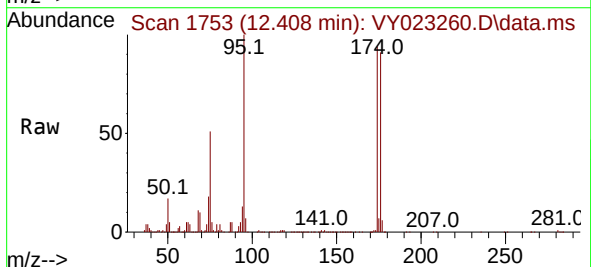
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-B

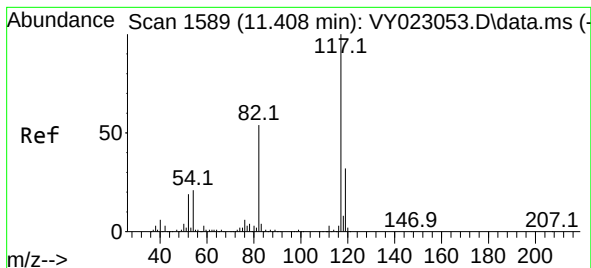
Tgt Ion: 98 Resp: 1248107
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 42.370 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023260.D
Acq: 02 Sep 2025 13:13

Tgt Ion: 95 Resp: 342048
Ion Ratio Lower Upper
95 100
174 91.9 0.0 171.6
176 89.0 0.0 167.6

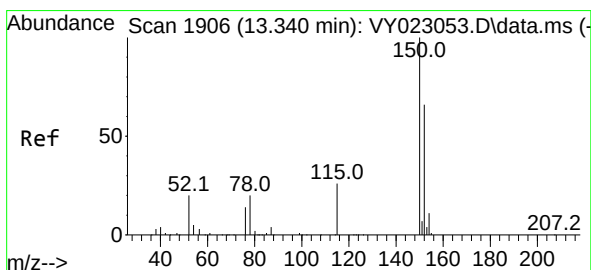
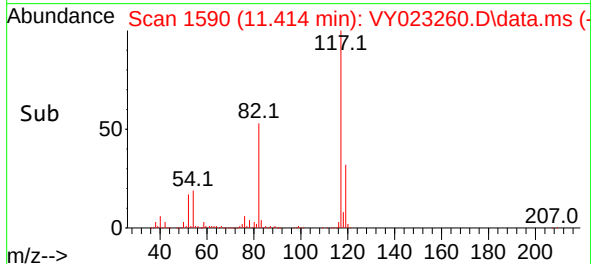
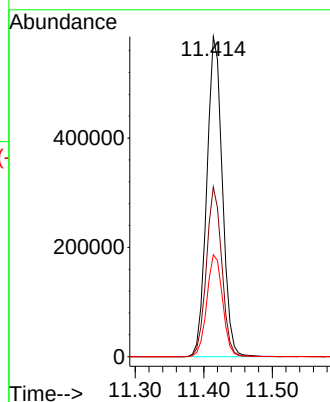
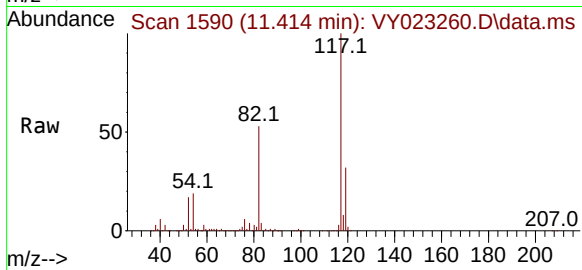




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023260.D
Acq: 02 Sep 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-B

Tgt Ion:117 Resp: 926950
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023260.D
Acq: 02 Sep 2025 13:13

Tgt Ion:152 Resp: 354496
Ion Ratio Lower Upper
152 100
115 54.6 28.2 84.6
150 156.4 0.0 348.0

