

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023056.D
 Acq On : 12 Aug 2025 17:31
 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: Aug 13 02:11:37 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	7.701	168	261561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	477156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	460354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	235513	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	138114	55.404	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.800%
35) Dibromofluoromethane	7.628	113	156366	54.766	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.540%
50) Toluene-d8	10.103	98	528961	47.424	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.840%
62) 4-Bromofluorobenzene	12.402	95	222677	62.078	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	124.160%

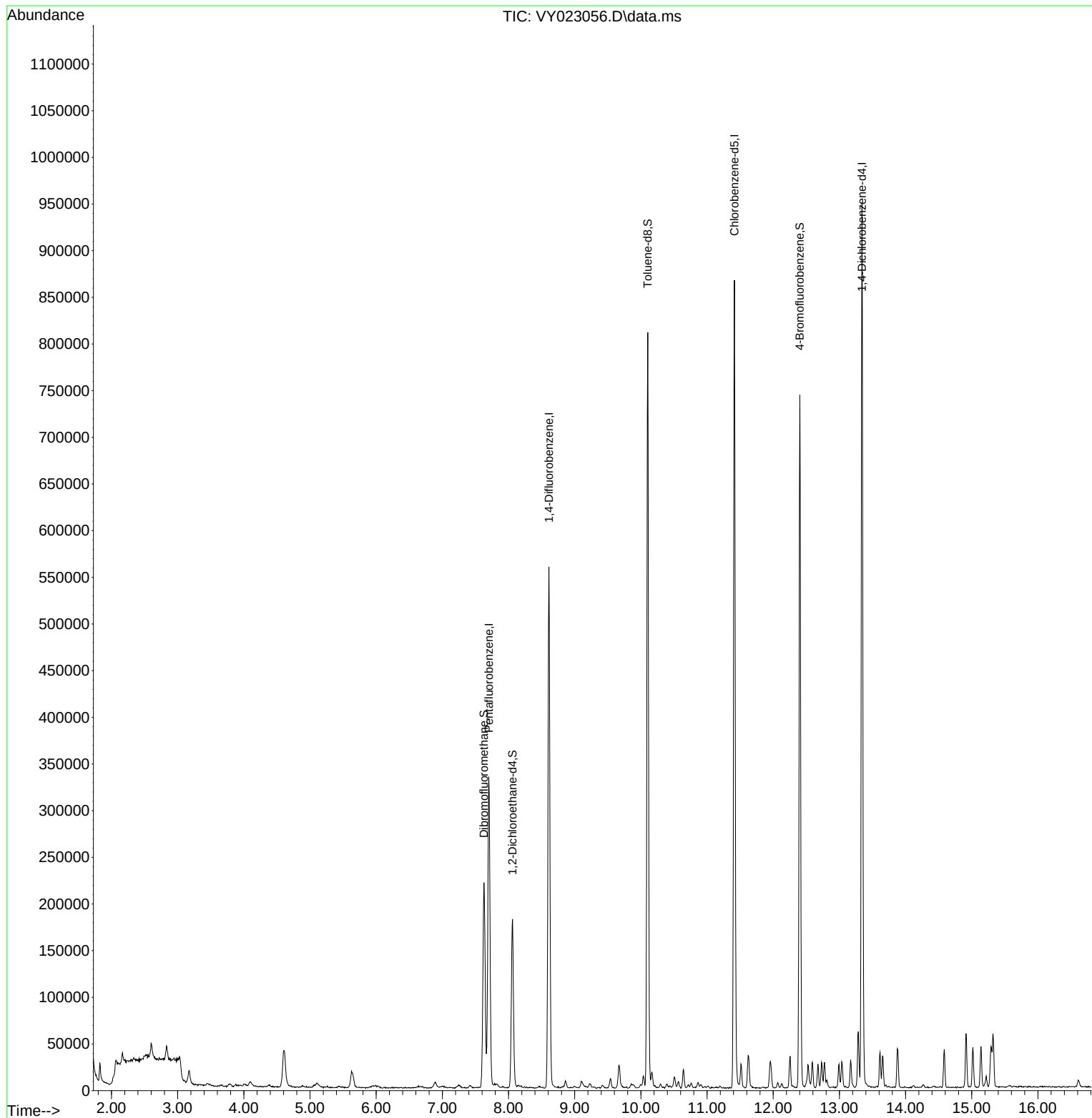
Target Compounds	Qvalue

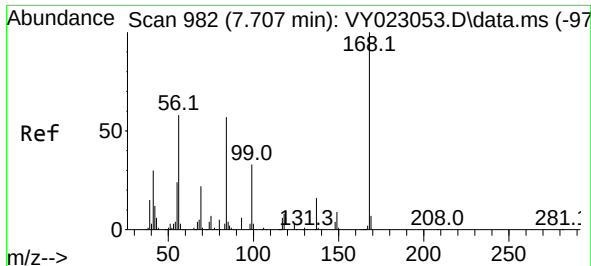
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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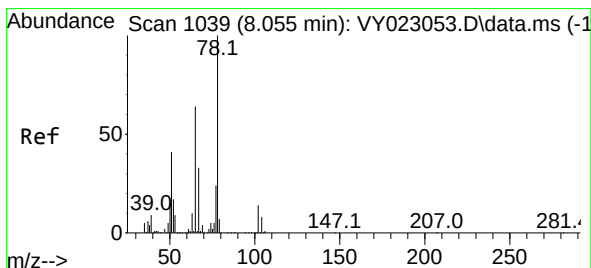
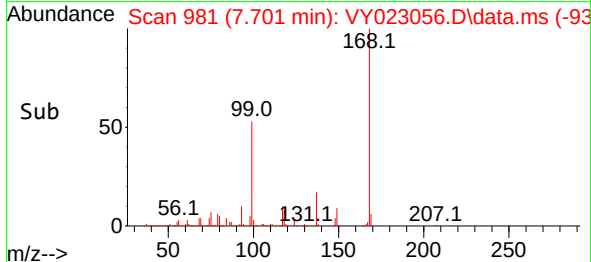
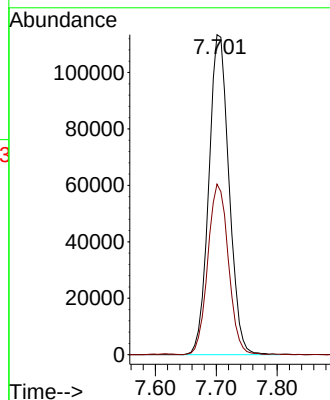
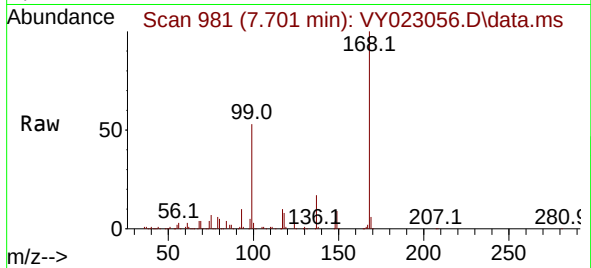




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023056.D
Acq: 12 Aug 2025 17:31

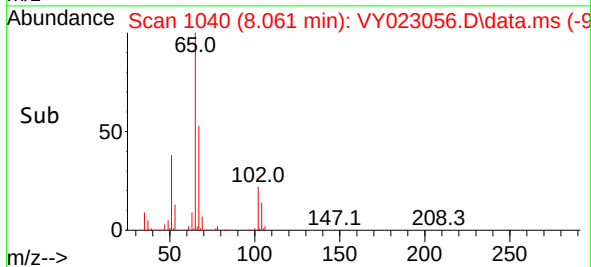
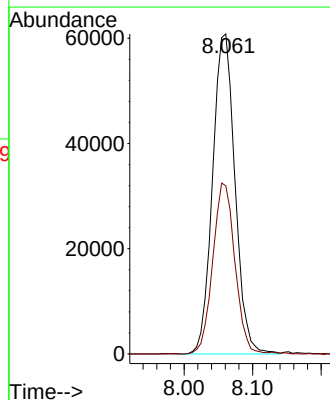
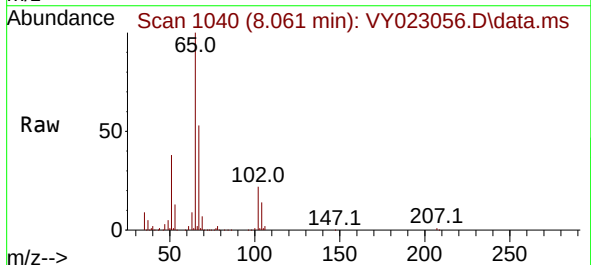
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

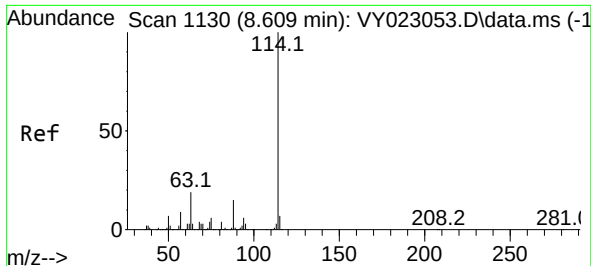
Tgt Ion:168 Resp: 261561
Ion Ratio Lower Upper
168 100
99 53.3 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 55.404 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023056.D
Acq: 12 Aug 2025 17:31

Tgt Ion: 65 Resp: 138114
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8

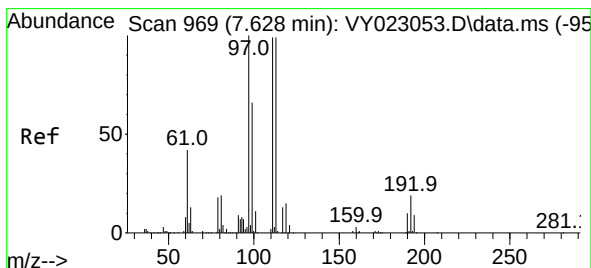
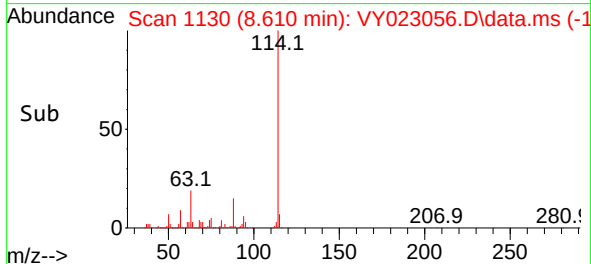
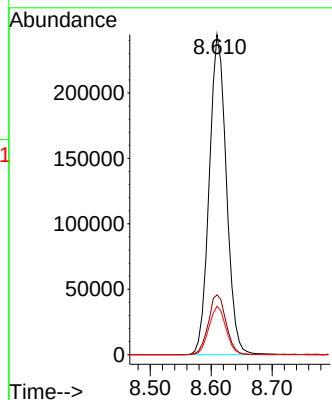
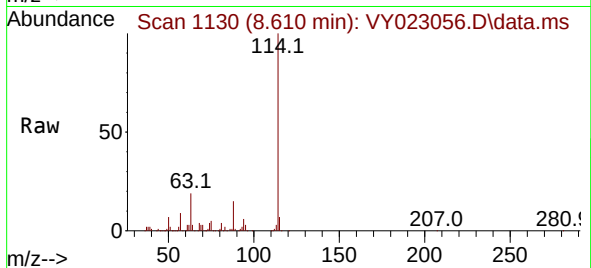




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023056.D
Acq: 12 Aug 2025 17:31

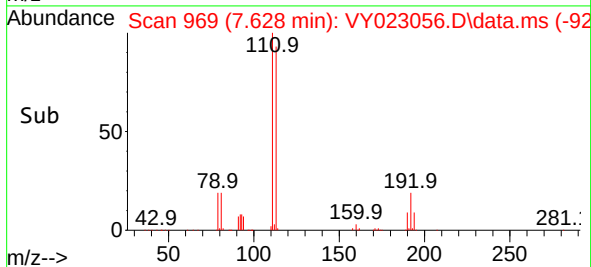
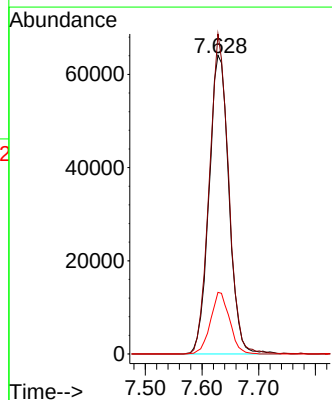
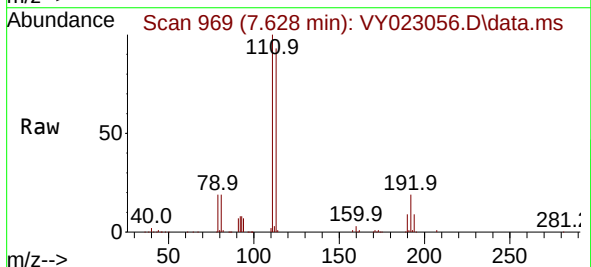
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

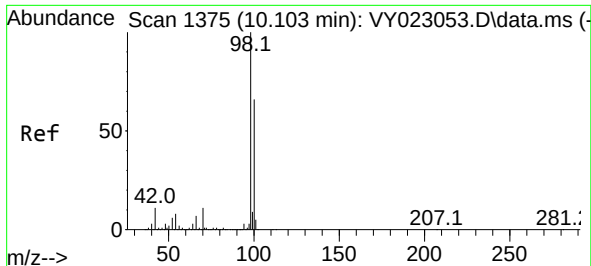
Tgt Ion:114 Resp: 477156
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.4
88 15.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.766 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023056.D
Acq: 12 Aug 2025 17:31

Tgt Ion:113 Resp: 156366
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 19.7 16.2 24.4

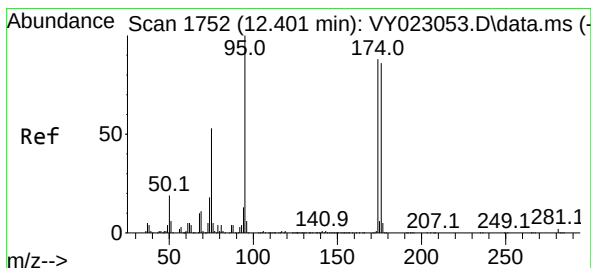
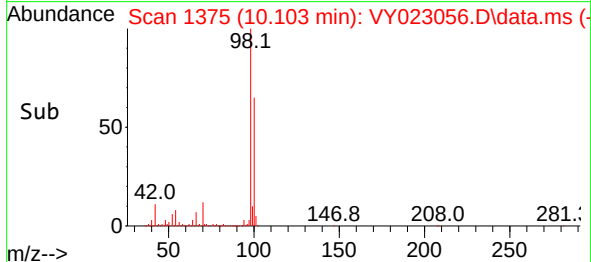
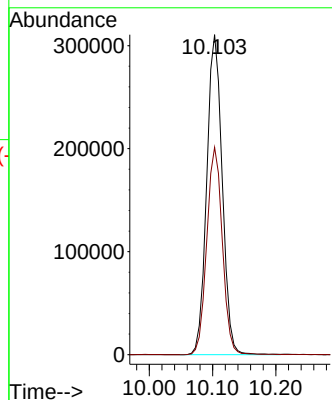
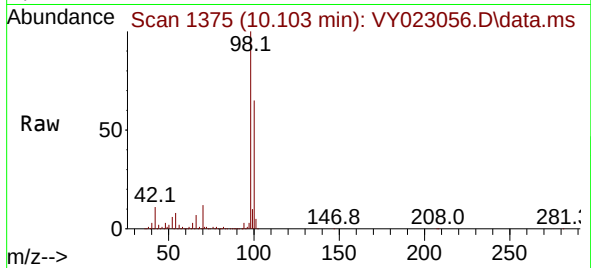




#50
Toluene-d8
Concen: 47.424 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023056.D
Acq: 12 Aug 2025 17:31

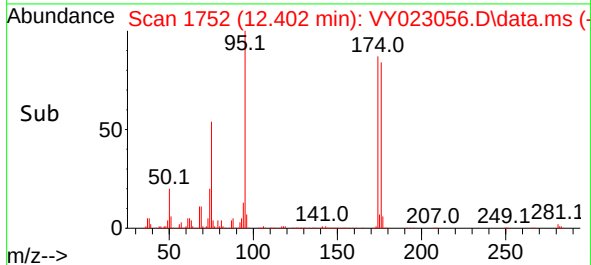
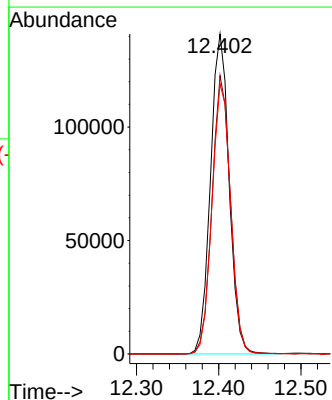
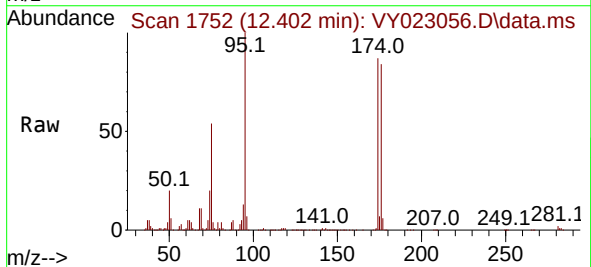
Instrument :
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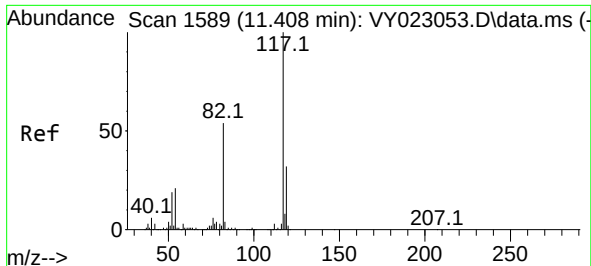
Tgt Ion: 98 Resp: 528961
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 62.078 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023056.D
Acq: 12 Aug 2025 17:31

Tgt Ion: 95 Resp: 222677
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 84.6 0.0 167.6

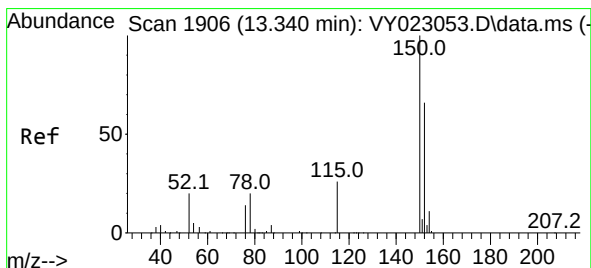
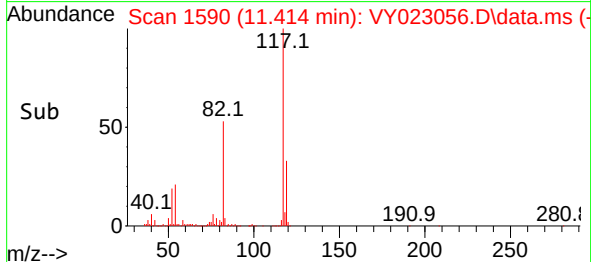
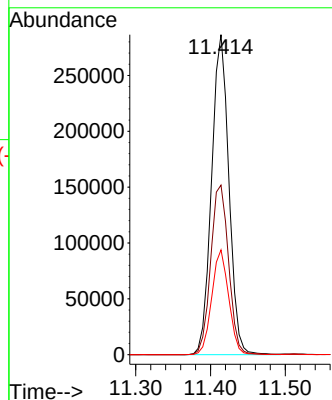
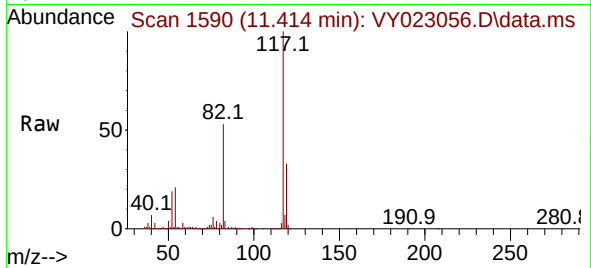




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023056.D
Acq: 12 Aug 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 460354
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023056.D
Acq: 12 Aug 2025 17:31

Tgt Ion:152 Resp: 235513
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.6
150 158.3 0.0 348.0

