

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050625\
 Data File : VY022175.D
 Acq On : 06 May 2025 11:53
 Operator : SY/MD
 Sample : Q1952-01
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CLEAN-FILL

Quant Time: May 07 04:33:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

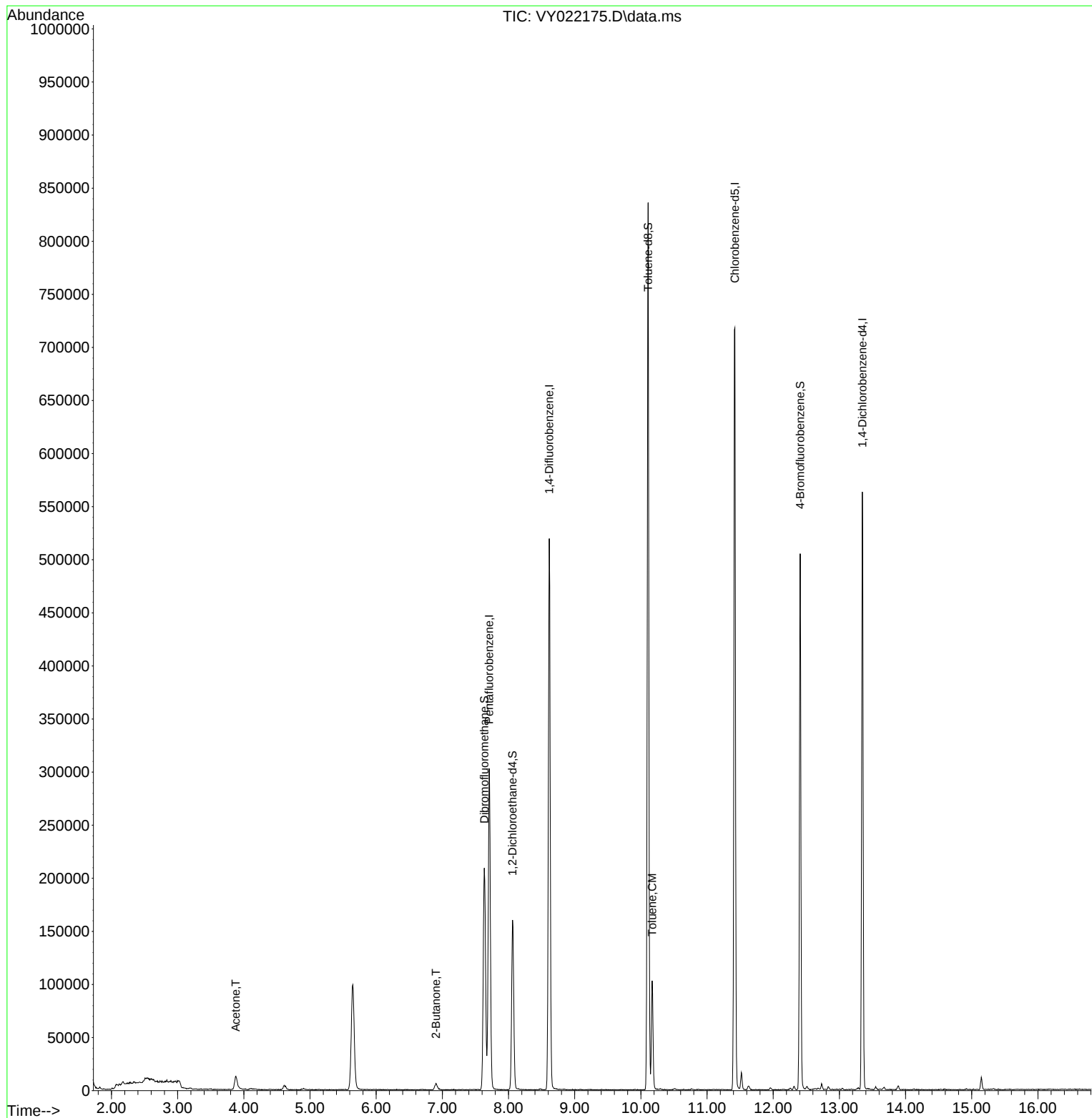
Internal Standards						
1) Pentafluorobenzene	7.707	168	233623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	445228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	400178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	146601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126304	58.530	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.060%	
35) Dibromofluoromethane	7.634	113	153412	52.156	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.320%	
50) Toluene-d8	10.109	98	539797	48.678	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.360%	
62) 4-Bromofluorobenzene	12.408	95	149719	40.106	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.220%	
Target Compounds						
						Qvalue
16) Acetone	3.879	43	22669	64.399	ug/l	95
25) 2-Butanone	6.903	43	9855	20.035	ug/l	96
52) Toluene	10.170	92	41821	5.231	ug/l	99

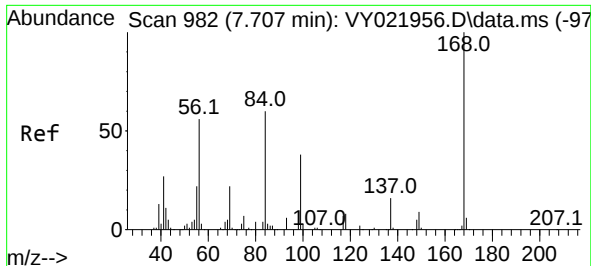
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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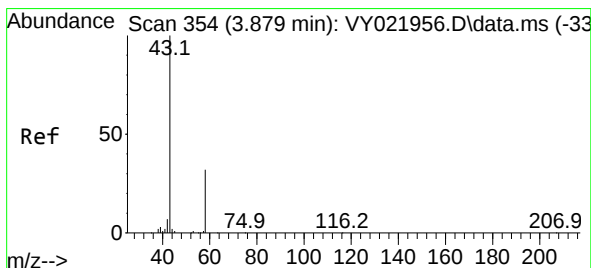
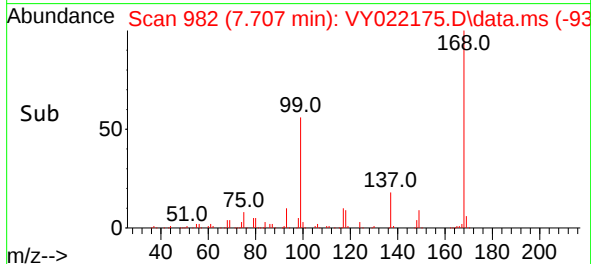
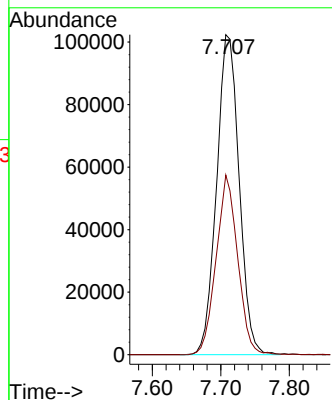
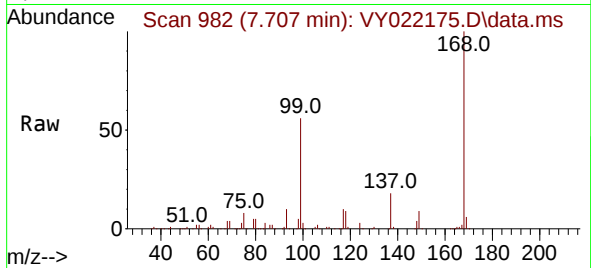




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022175.D
Acq: 06 May 2025 11:53

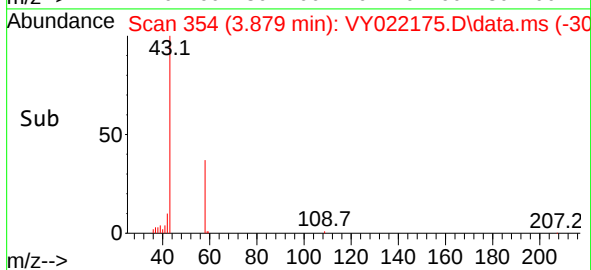
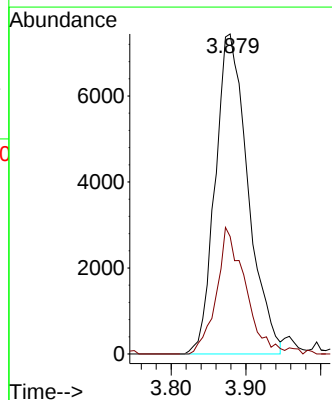
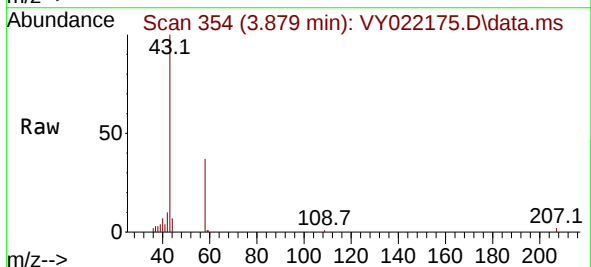
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

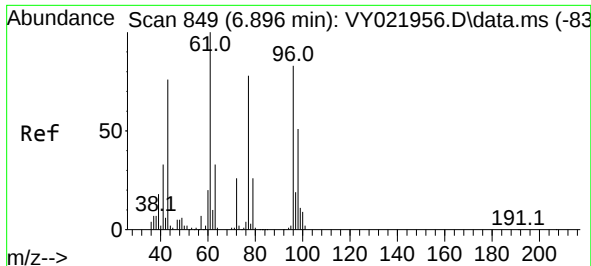
Tgt Ion:168 Resp: 233623
Ion Ratio Lower Upper
168 100
99 56.1 43.1 64.7



#16
Acetone
Concen: 64.399 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022175.D
Acq: 06 May 2025 11:53

Tgt Ion: 43 Resp: 22669
Ion Ratio Lower Upper
43 100
58 36.7 27.0 40.4





#25

2-Butanone

Concen: 20.035 ug/l

RT: 6.903 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY022175.D

Acq: 06 May 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

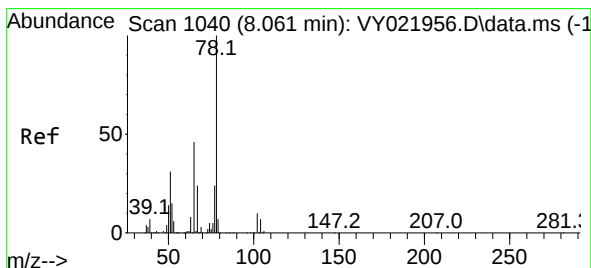
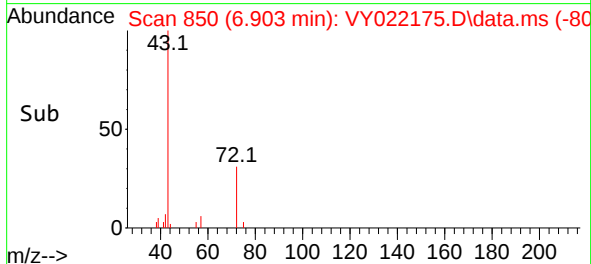
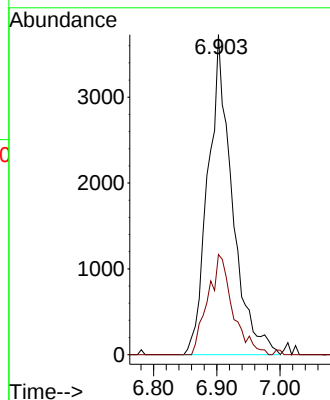
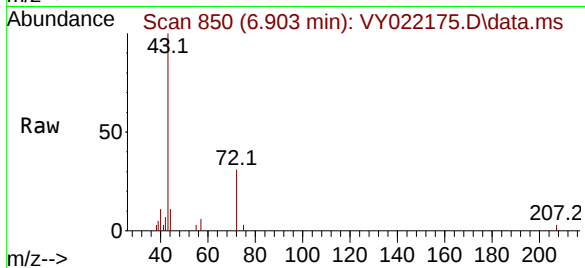
CLEAN-FILL

Tgt Ion: 43 Resp: 9855

Ion Ratio Lower Upper

43 100

72 31.3 27.0 40.4



#33

1,2-Dichloroethane-d4

Concen: 58.530 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022175.D

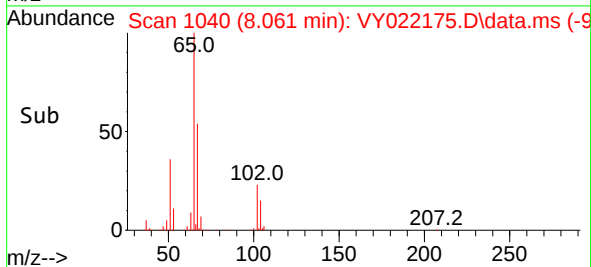
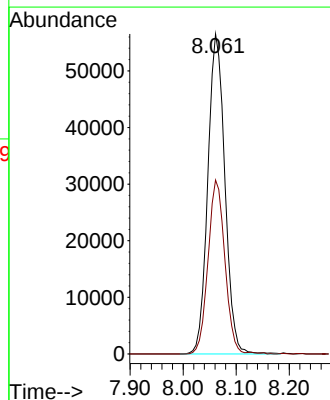
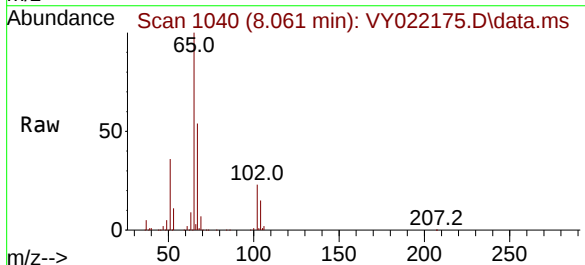
Acq: 06 May 2025 11:53

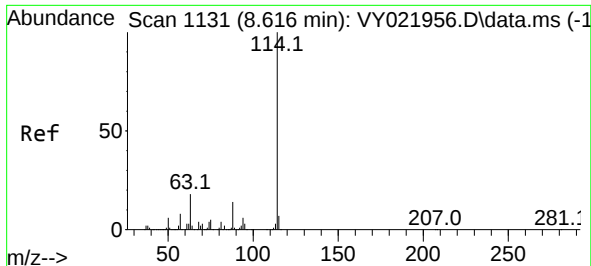
Tgt Ion: 65 Resp: 126304

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.8

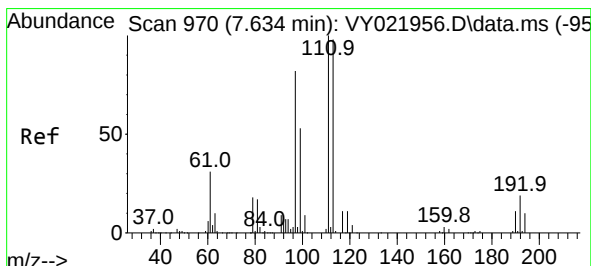
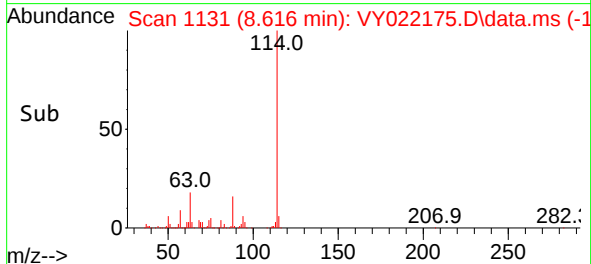
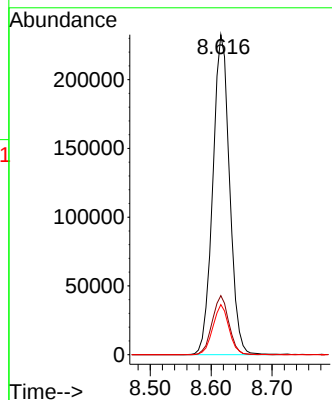
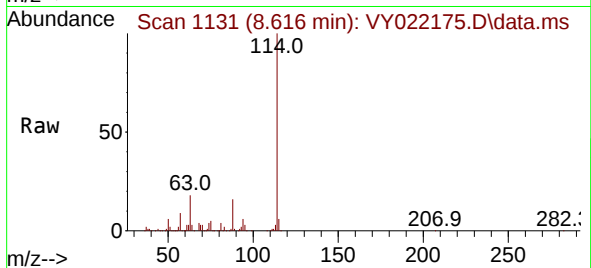




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022175.D
Acq: 06 May 2025 11:53

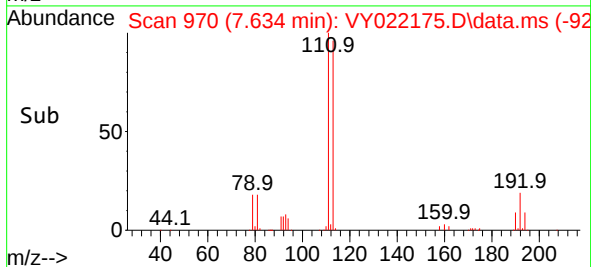
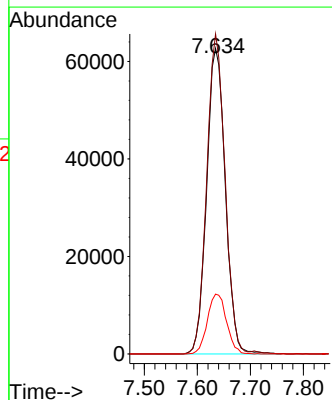
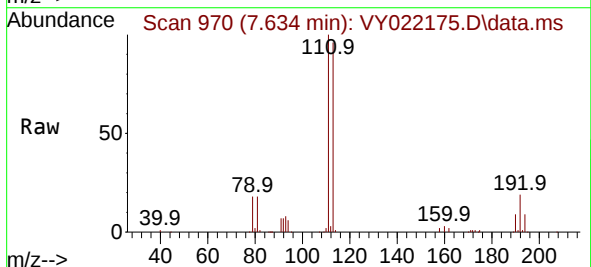
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

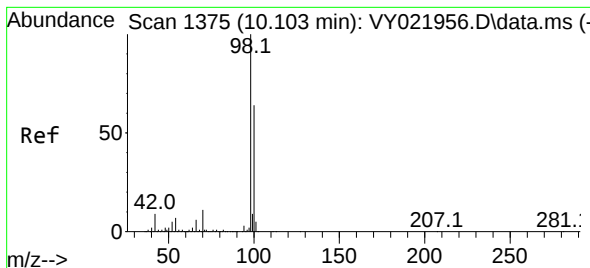
Tgt Ion:114 Resp: 445228
Ion Ratio Lower Upper
114 100
63 18.5 0.0 35.4
88 15.7 0.0 28.2



#35
Dibromofluoromethane
Concen: 52.156 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022175.D
Acq: 06 May 2025 11:53

Tgt Ion:113 Resp: 153412
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 20.0 15.6 23.4

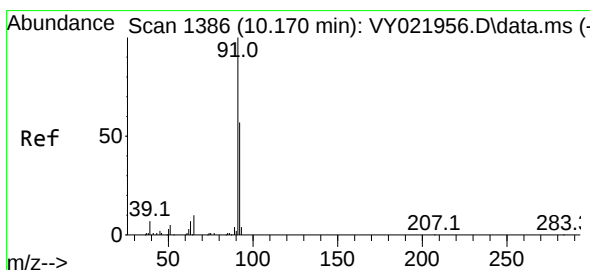
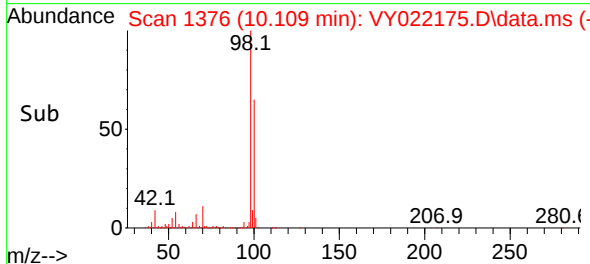
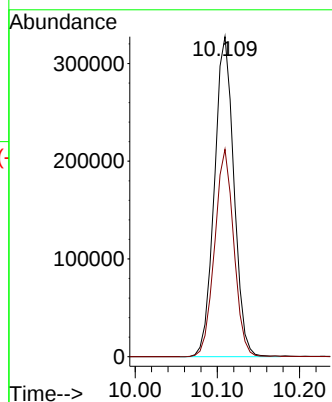
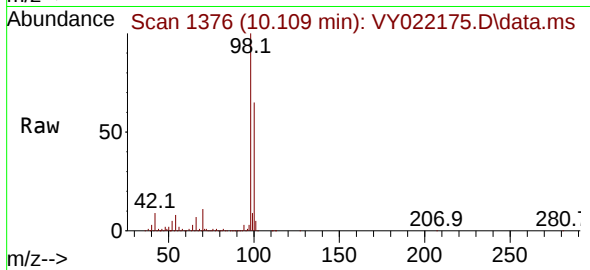




#50
Toluene-d8
Concen: 48.678 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022175.D
Acq: 06 May 2025 11:53

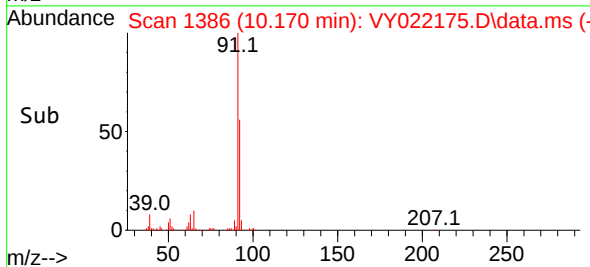
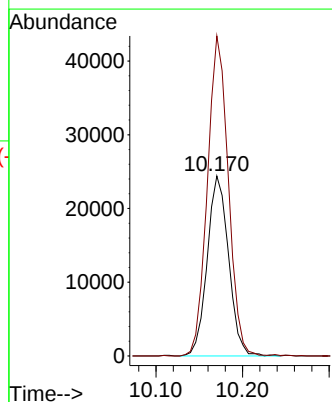
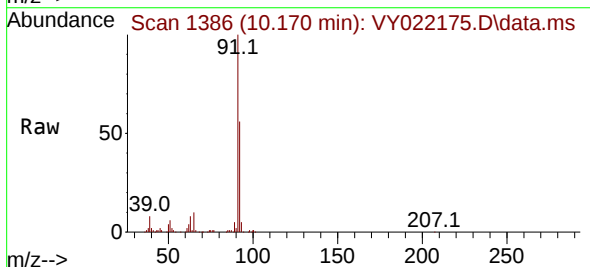
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

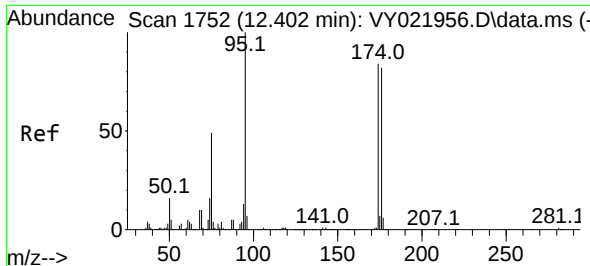
Tgt Ion: 98 Resp: 539797
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#52
Toluene
Concen: 5.231 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022175.D
Acq: 06 May 2025 11:53

Tgt Ion: 92 Resp: 41821
Ion Ratio Lower Upper
92 100
91 174.1 138.6 207.8

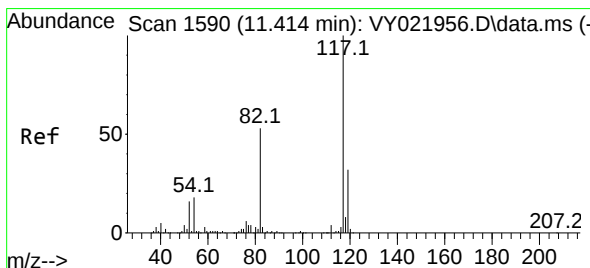
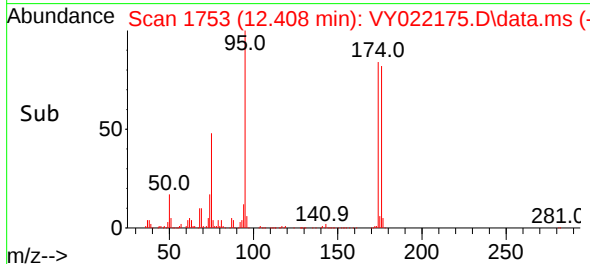
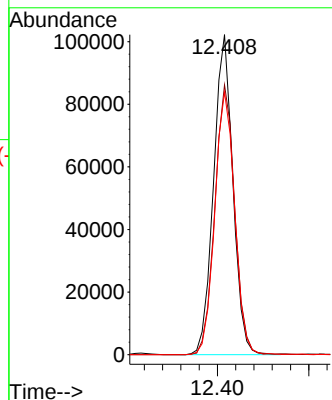
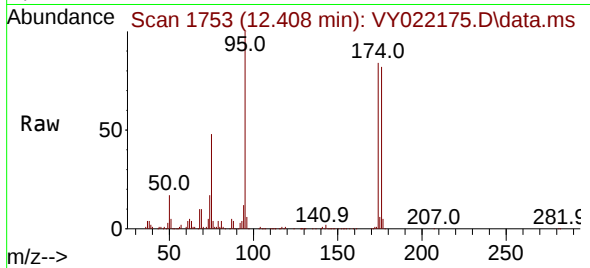




#62
4-Bromofluorobenzene
Concen: 40.106 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022175.D
Acq: 06 May 2025 11:53

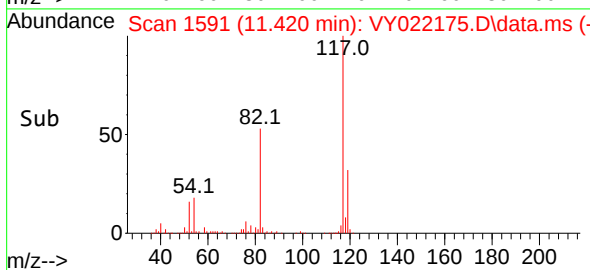
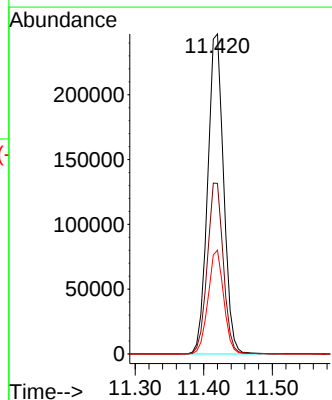
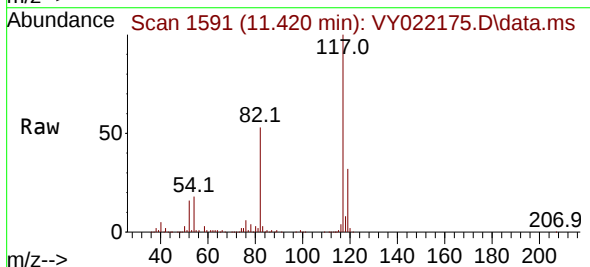
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

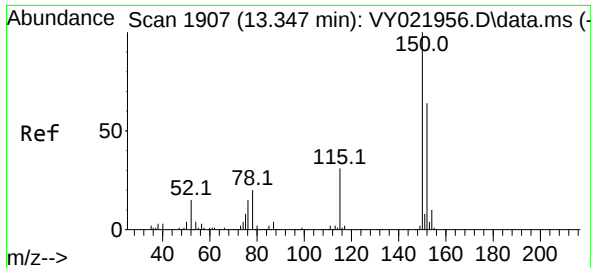
Tgt Ion: 95 Resp: 149719
Ion Ratio Lower Upper
95 100
174 87.1 0.0 179.0
176 84.8 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022175.D
Acq: 06 May 2025 11:53

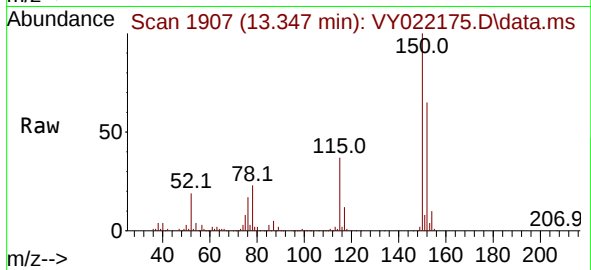
Tgt Ion: 117 Resp: 400178
Ion Ratio Lower Upper
117 100
82 53.3 42.1 63.1
119 32.5 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022175.D
 Acq: 06 May 2025 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 CLEAN-FILL



Tgt Ion:152 Resp: 146601
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.0 84.0
 150 157.1 0.0 345.6

