

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022151.D
 Acq On : 05 May 2025 12:01
 Operator : SY/MD
 Sample : Q1952-01
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CLEAN-FILL

Quant Time: May 06 05:20:40 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)

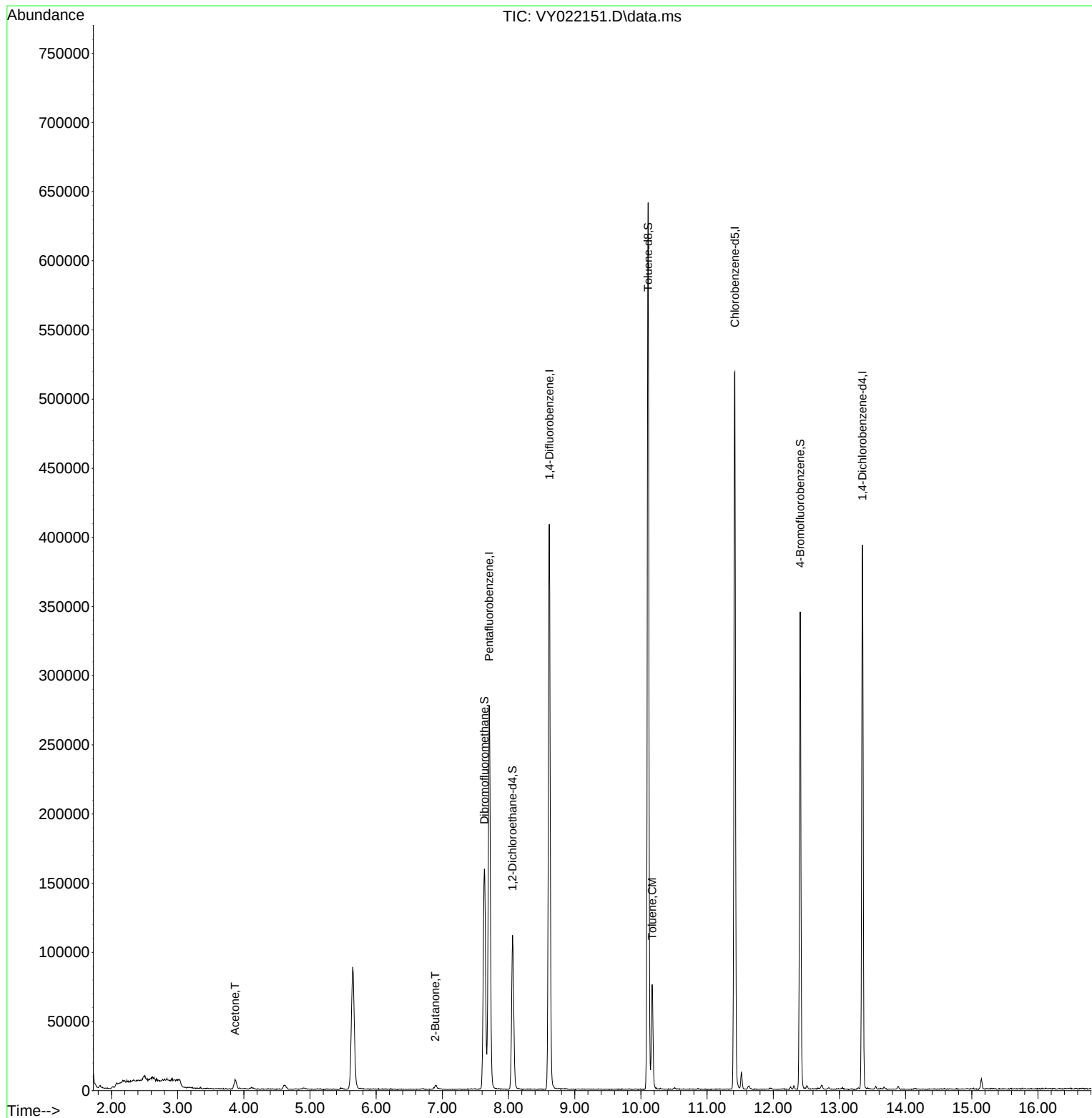
Internal Standards						
1) Pentafluorobenzene	7.707	168	212558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	359311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	294304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	103614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88953	45.307	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.620%
35) Dibromofluoromethane	7.634	113	118652	49.984	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.960%
50) Toluene-d8	10.109	98	424387	47.422	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.840%
62) 4-Bromofluorobenzene	12.408	95	106628	35.393	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.780%
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	11889	27.229	ug/l	100
25) 2-Butanone	6.890	43	4851	10.839	ug/l	99
52) Toluene	10.170	92	31337	4.857	ug/l	99

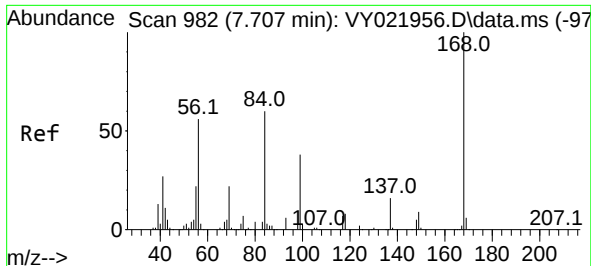
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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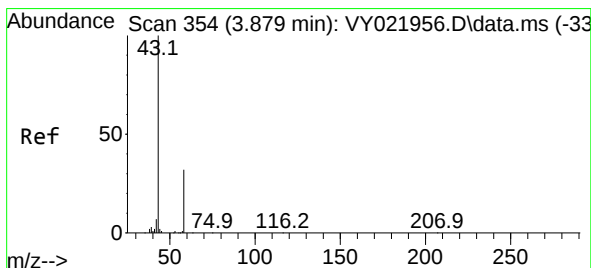
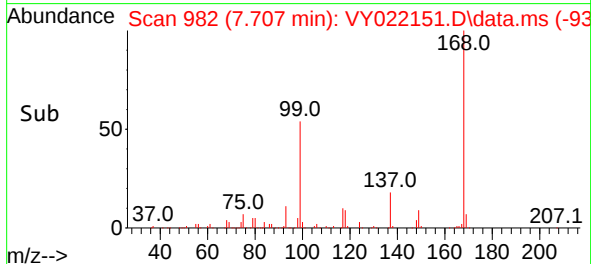
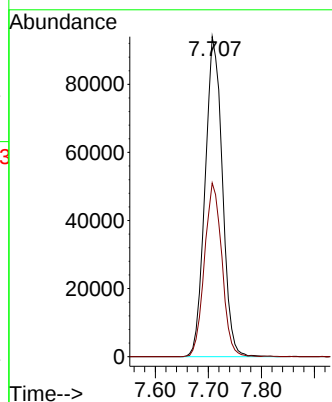
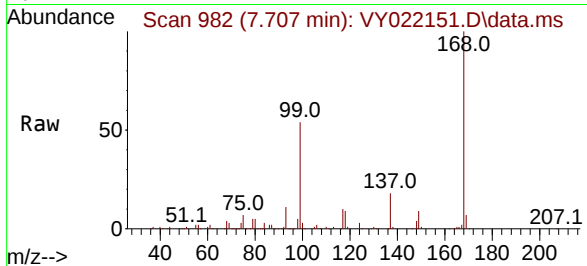




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

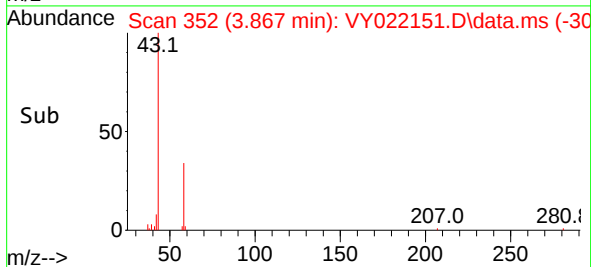
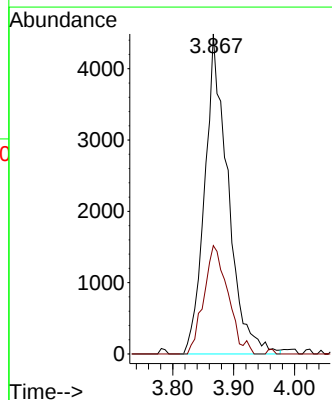
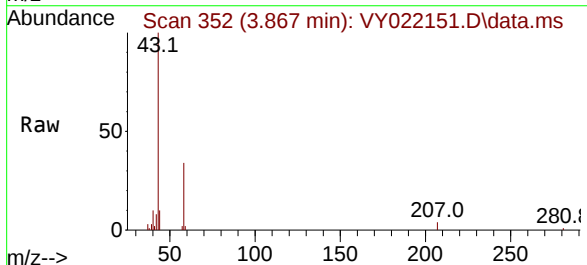
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

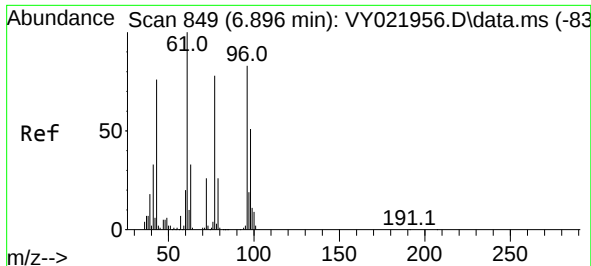
Tgt Ion:168 Resp: 212558
Ion Ratio Lower Upper
168 100
99 54.3 43.1 64.7



#16
Acetone
Concen: 27.229 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

Tgt Ion: 43 Resp: 11889
Ion Ratio Lower Upper
43 100
58 33.8 27.0 40.4





#25

2-Butanone

Concen: 10.839 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022151.D

Acq: 05 May 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

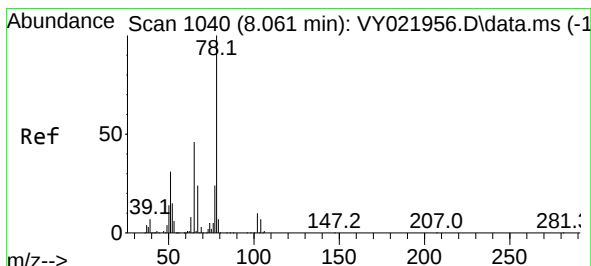
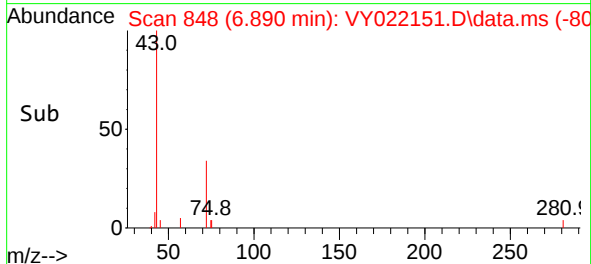
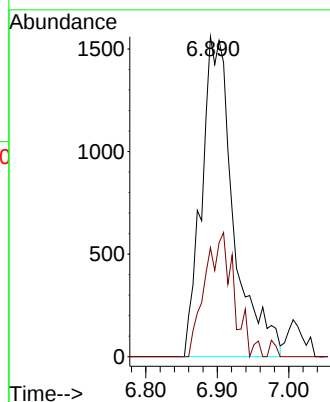
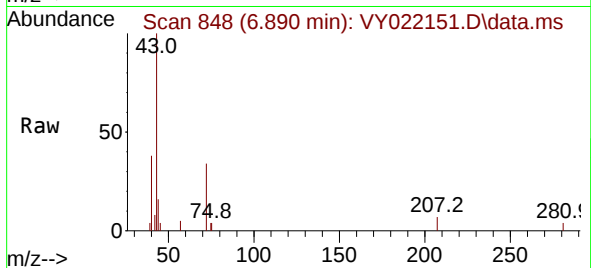
CLEAN-FILL

Tgt Ion: 43 Resp: 4851

Ion Ratio Lower Upper

43 100

72 34.0 27.0 40.4



#33

1,2-Dichloroethane-d4

Concen: 45.307 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022151.D

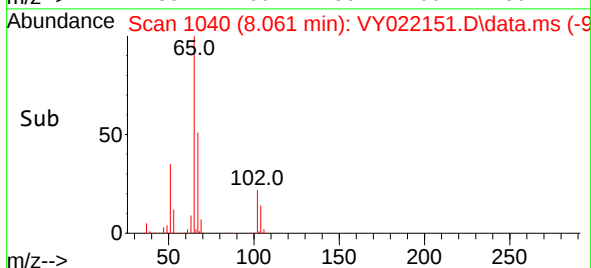
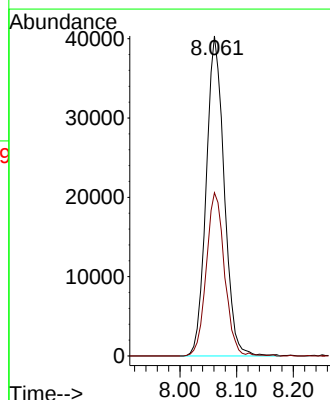
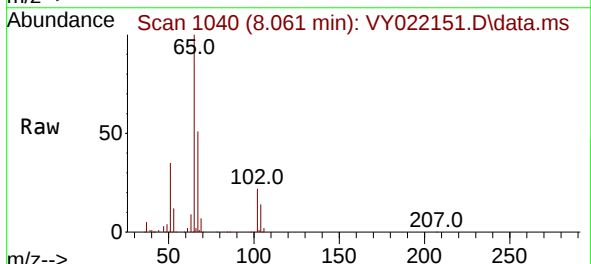
Acq: 05 May 2025 12:01

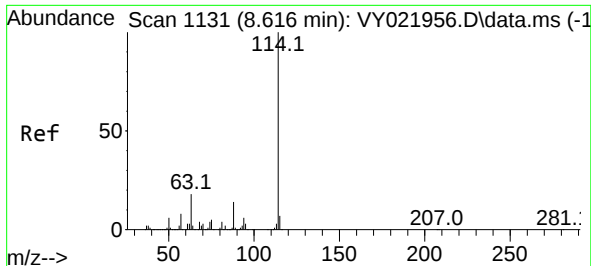
Tgt Ion: 65 Resp: 88953

Ion Ratio Lower Upper

65 100

67 51.7 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: VY022151.D

Acq: 05 May 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

CLEAN-FILL

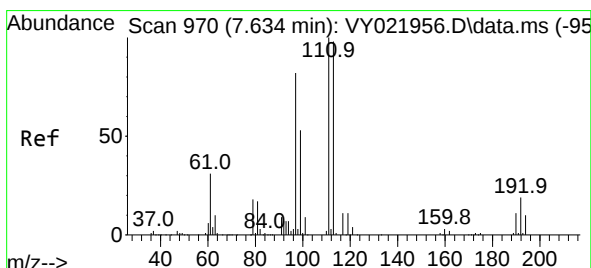
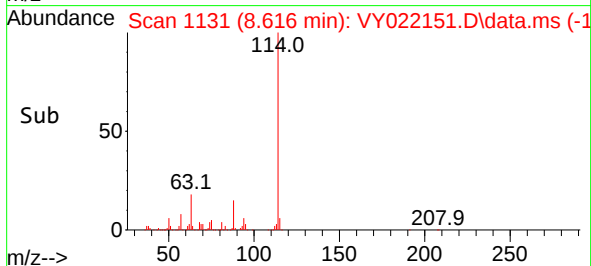
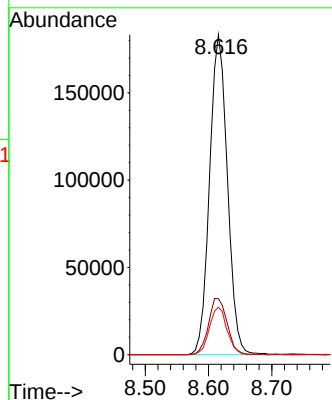
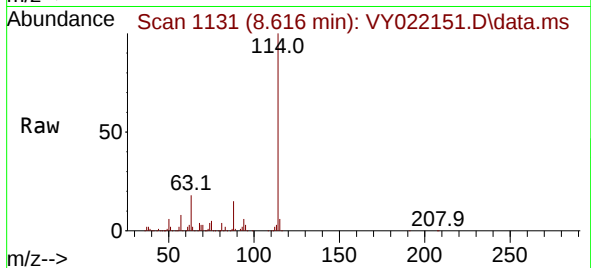
Tgt Ion:114 Resp: 359311

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 14.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.984 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022151.D

Acq: 05 May 2025 12:01

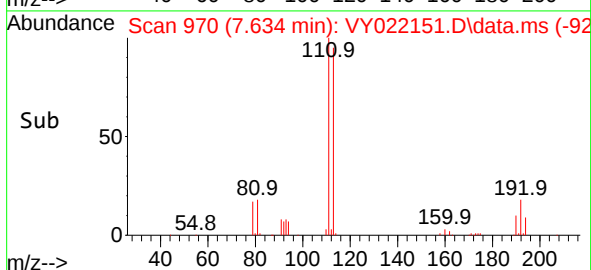
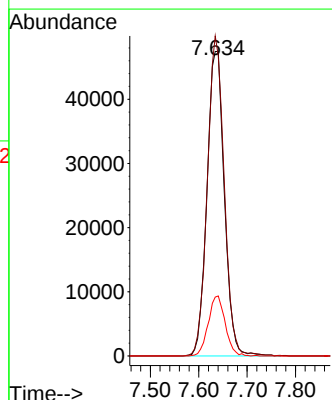
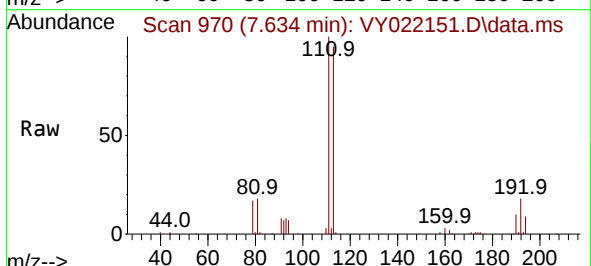
Tgt Ion:113 Resp: 118652

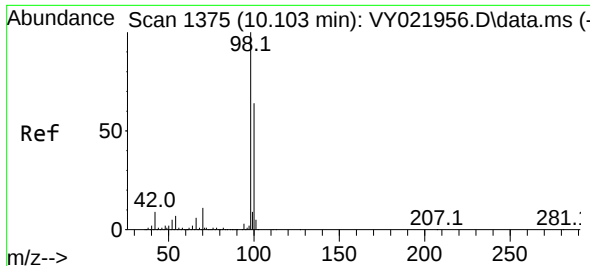
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 19.2 15.6 23.4

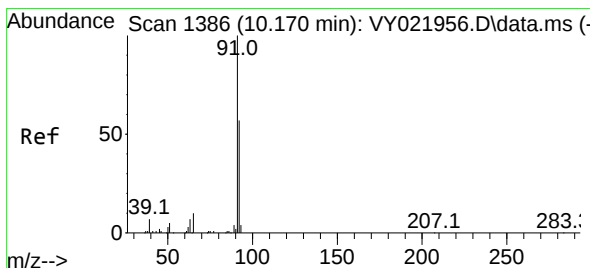
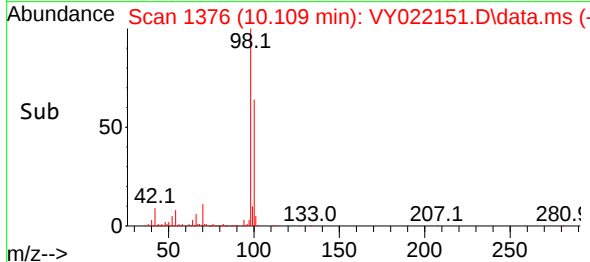
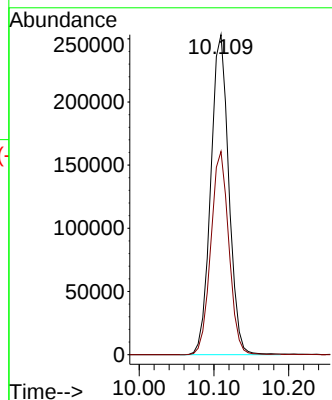
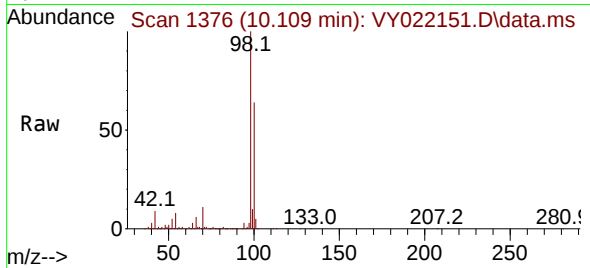




#50
Toluene-d8
Concen: 47.422 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

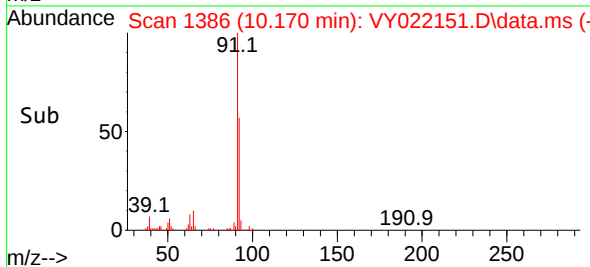
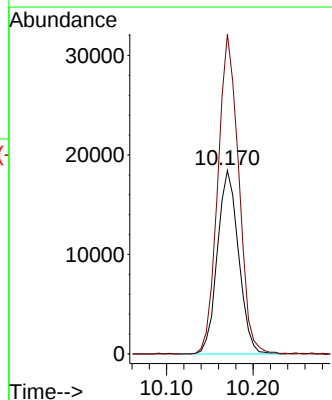
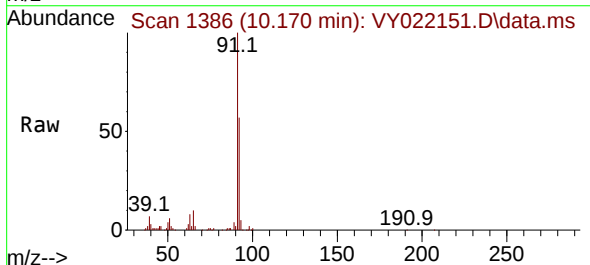
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

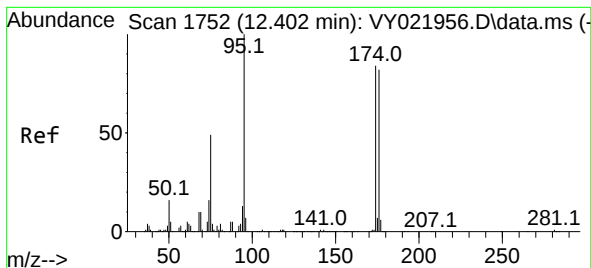
Tgt Ion: 98 Resp: 424387
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4



#52
Toluene
Concen: 4.857 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

Tgt Ion: 92 Resp: 31337
Ion Ratio Lower Upper
92 100
91 172.0 138.6 207.8

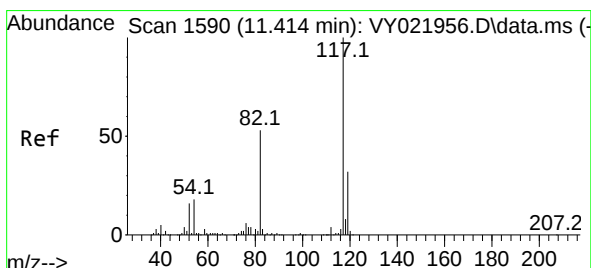
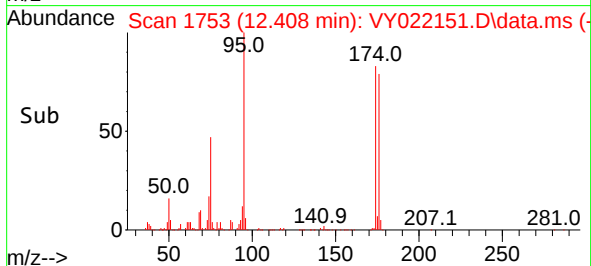
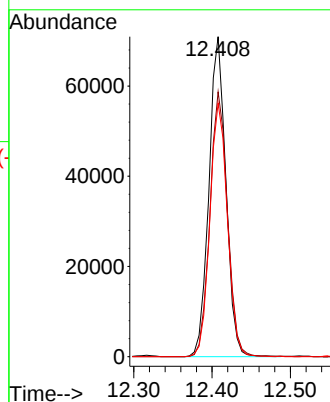
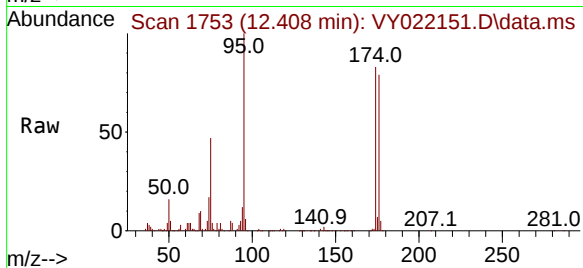




#62
4-Bromofluorobenzene
Concen: 35.393 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

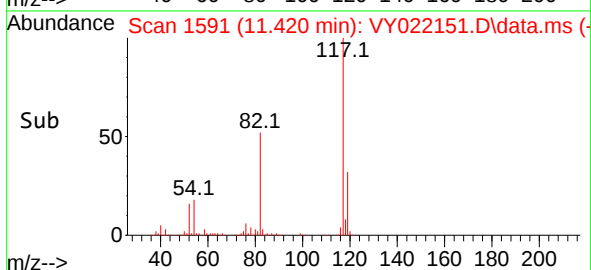
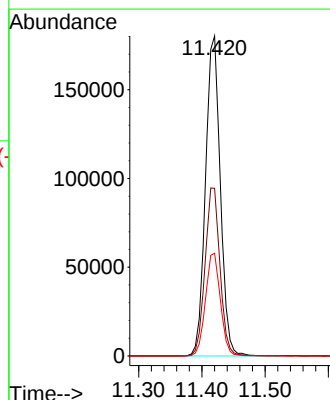
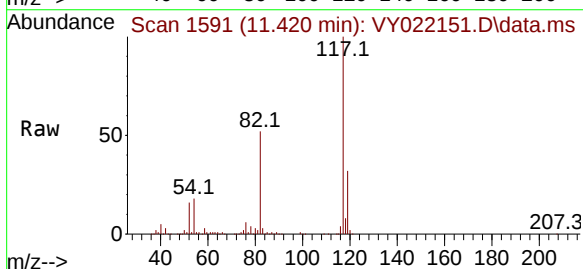
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

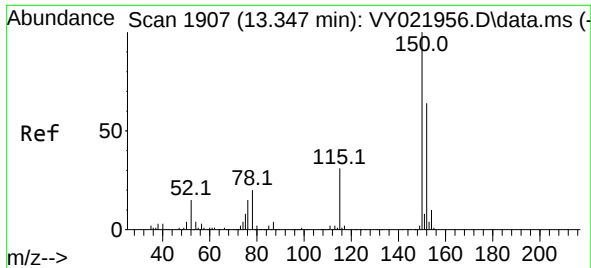
Tgt Ion: 95 Resp: 106628
Ion Ratio Lower Upper
95 100
174 85.7 0.0 179.0
176 81.7 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

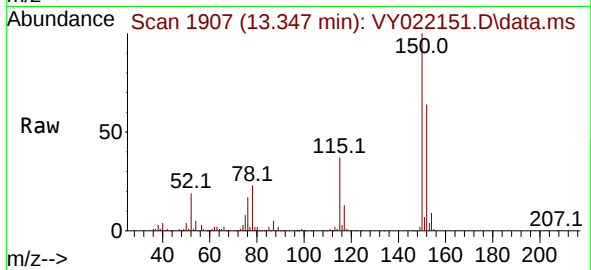
Tgt Ion: 117 Resp: 294304
Ion Ratio Lower Upper
117 100
82 52.4 42.1 63.1
119 32.1 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022151.D
 Acq: 05 May 2025 12:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 CLEAN-FILL



Tgt Ion:152 Resp: 103614
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.0 84.0
 150 157.0 0.0 345.6

