

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022230.D
 Acq On : 12 May 2025 17:19
 Operator : SY/MD
 Sample : Q1987-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GC1

Quant Time: May 13 02:24:05 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)

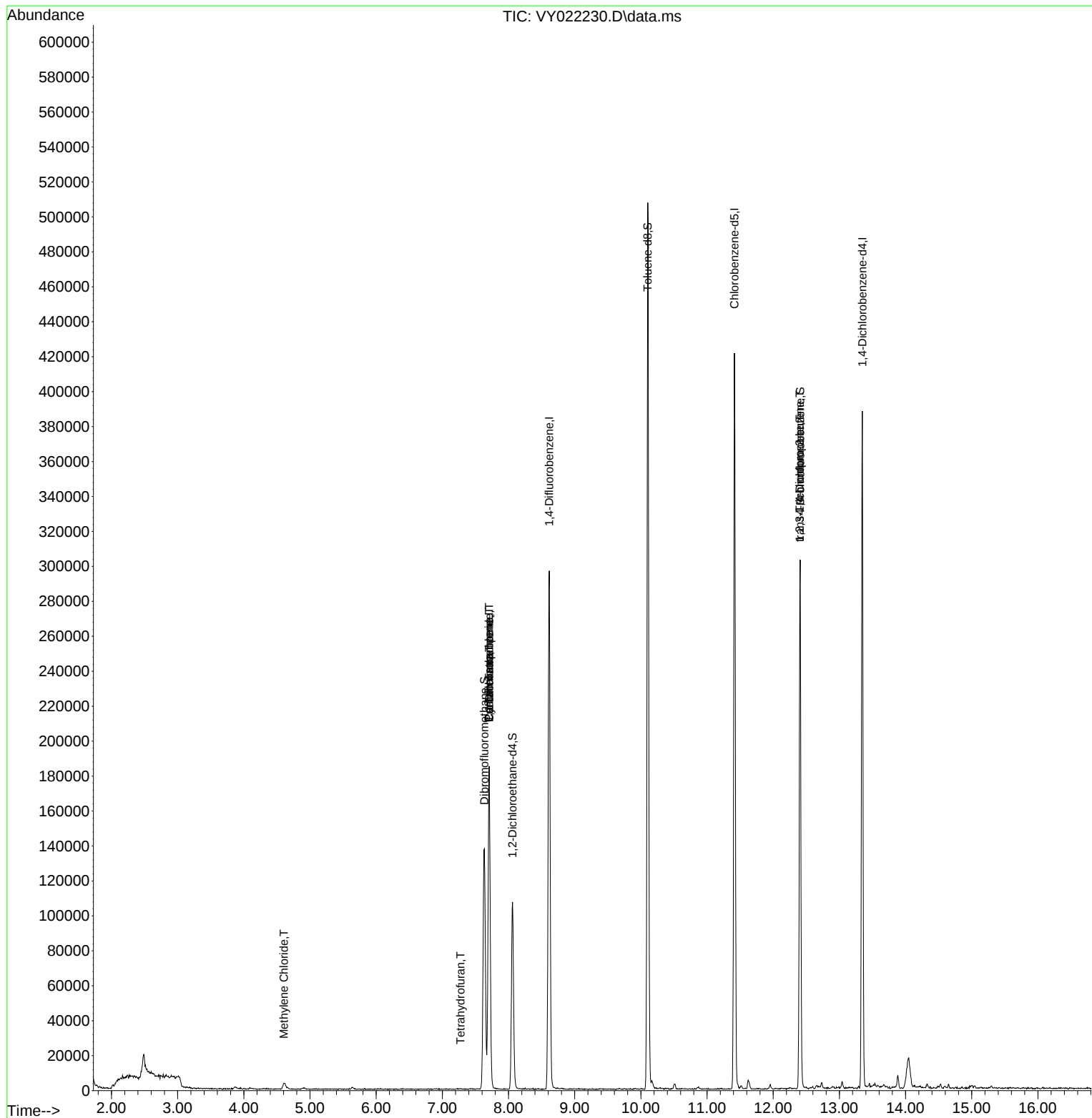
Internal Standards						
1) Pentafluorobenzene	7.707	168	139918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	235241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	98718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84641	65.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.980%	
35) Dibromofluoromethane	7.634	113	100873	58.296	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.600%	
50) Toluene-d8	10.103	98	339991	52.119	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.240%	
62) 4-Bromofluorobenzene	12.408	95	92585	42.160	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.320%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1962	Below Cal	#	86
20) Methylene Chloride	4.604	84	3030	1.854	ug/l	84
29) Tetrahydrofuran	7.274	42	230	1.202	ug/l #	42
31) Cyclohexane	7.707	56	2923	1.368	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	11044	4.752	ug/l #	48
38) Carbon Tetrachloride	7.707	117	13564	4.884	ug/l #	15
76) 1,2,3-Trichloropropane	12.402	75	46227	54.670	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	46227	131.653	ug/l #	16

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

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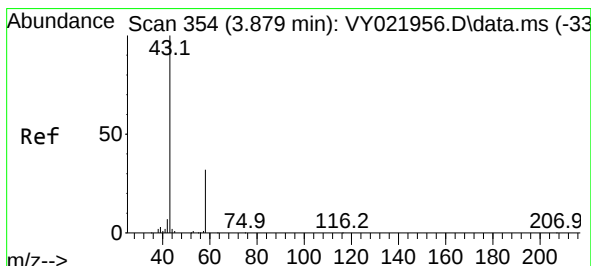
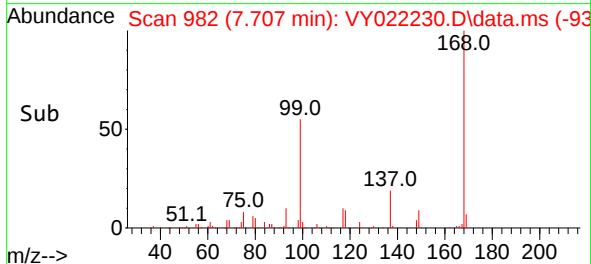
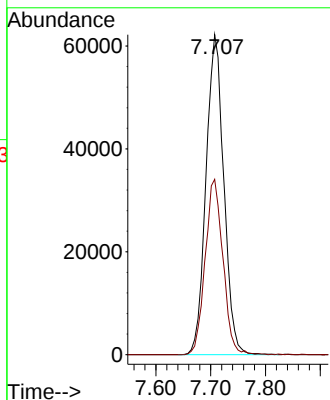
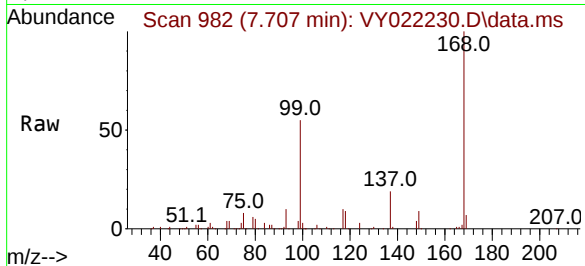




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

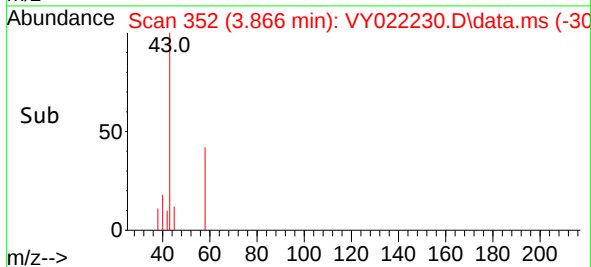
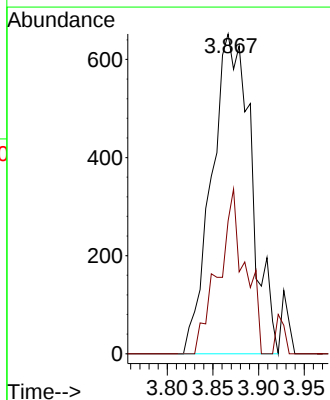
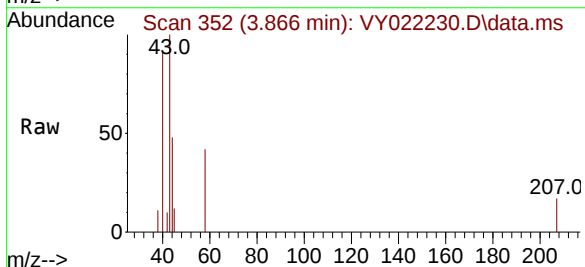
Instrument :
MSVOA_Y
ClientSampleId :
GC1

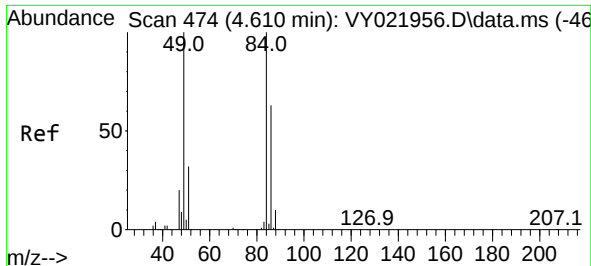
Tgt Ion:168 Resp: 139918
Ion Ratio Lower Upper
168 100
99 54.8 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 43 Resp: 1962
Ion Ratio Lower Upper
43 100
58 41.6 27.0 40.4#





#20

Methylene Chloride

Concen: 1.854 ug/l

RT: 4.604 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY022230.D

Acq: 12 May 2025 17:19

Instrument :

MSVOA_Y

ClientSampleId :

GC1

Tgt Ion: 84 Resp: 3030

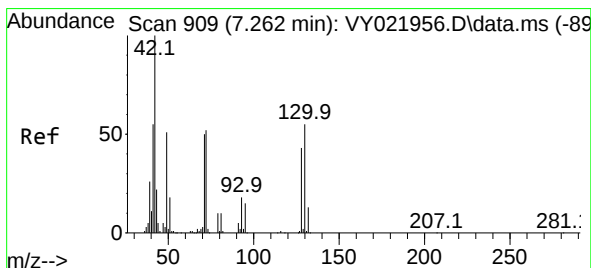
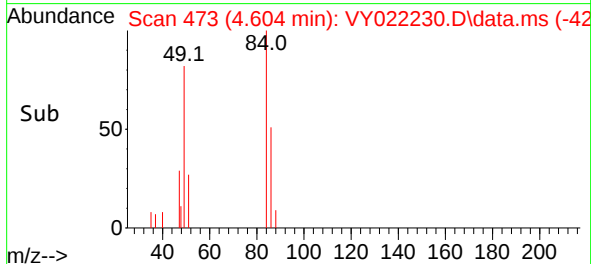
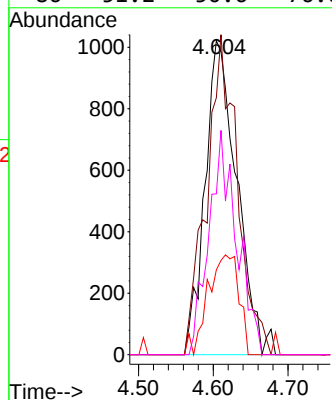
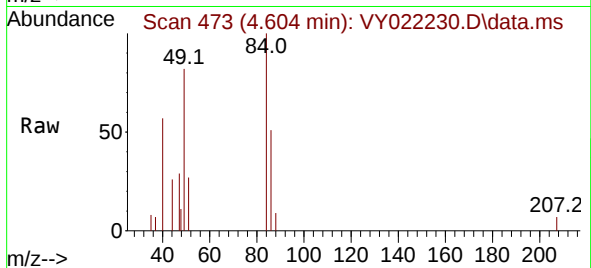
Ion Ratio Lower Upper

84 100

49 81.9 79.9 119.9

51 27.0 25.4 38.0

86 51.2 50.6 76.0



#29

Tetrahydrofuran

Concen: 1.202 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY022230.D

Acq: 12 May 2025 17:19

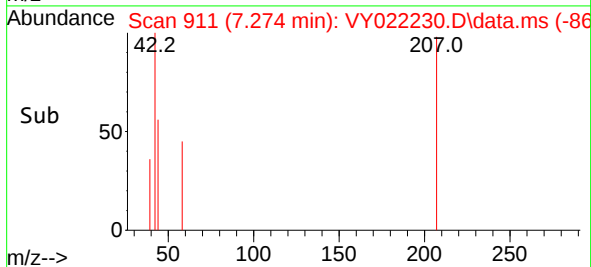
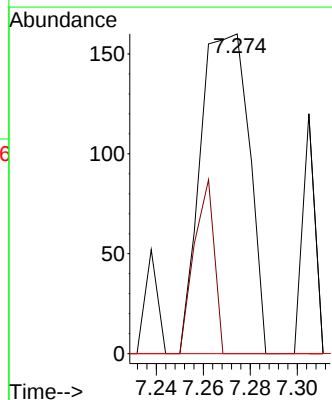
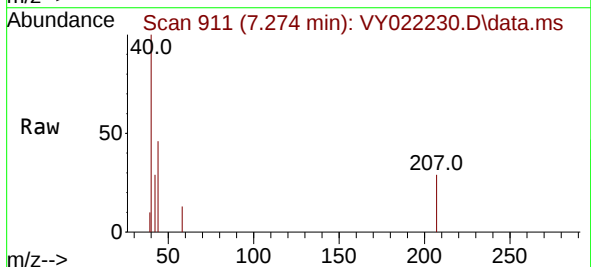
Tgt Ion: 42 Resp: 230

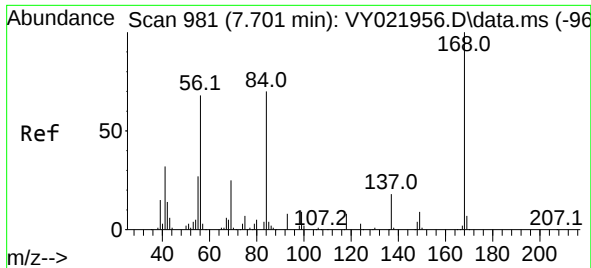
Ion Ratio Lower Upper

42 100

72 22.6 42.6 63.8#

71 0.0 40.6 61.0#

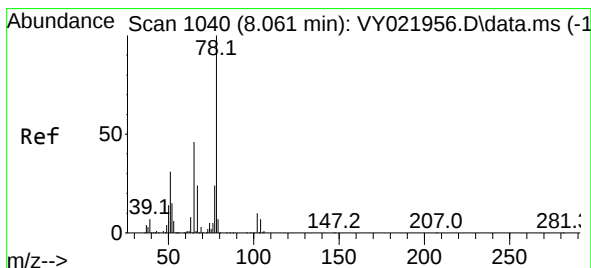
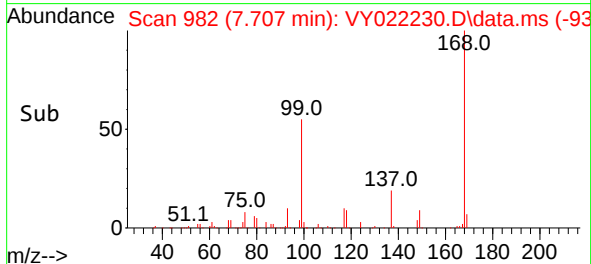
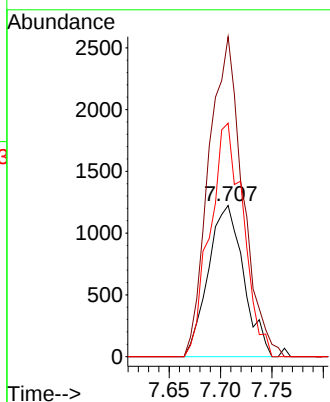
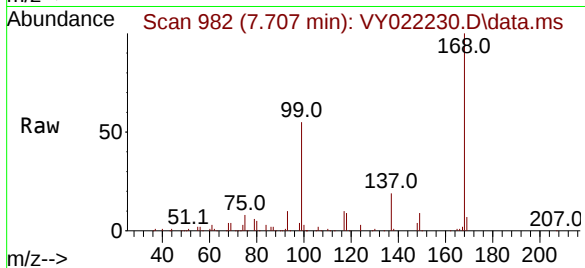




#31
Cyclohexane
Concen: 1.368 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

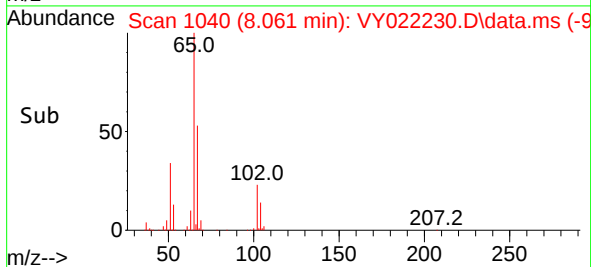
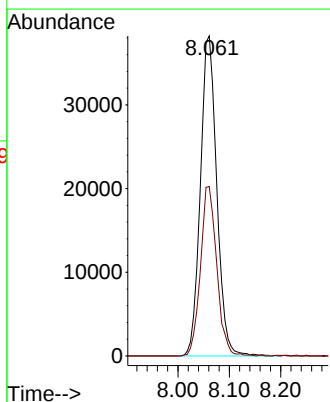
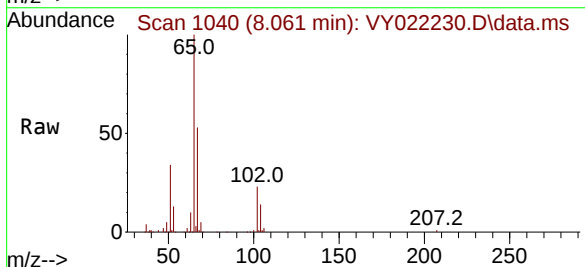
Instrument :
MSVOA_Y
ClientSampleId :
GC1

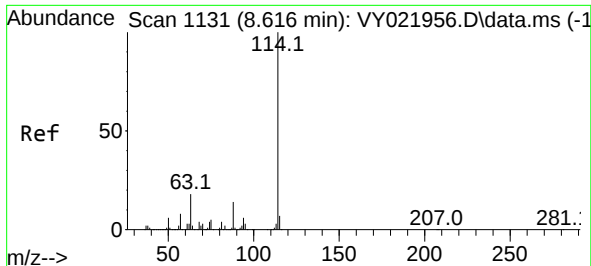
Tgt Ion: 56 Resp: 2923
Ion Ratio Lower Upper
56 100
69 211.6 29.4 44.2#
84 154.4 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 65.491 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 65 Resp: 84641
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8

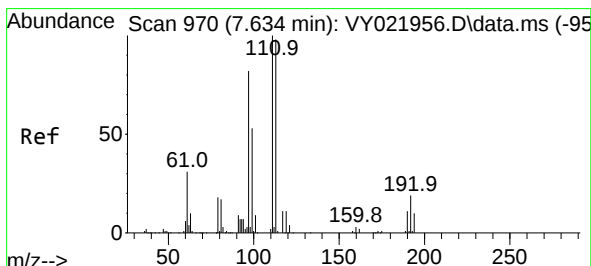
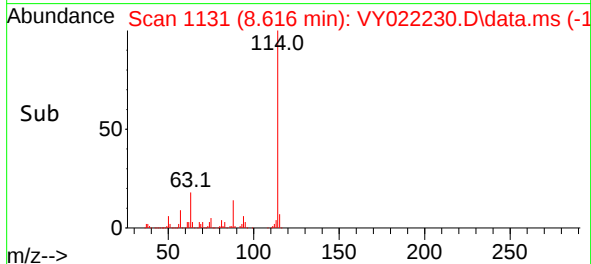
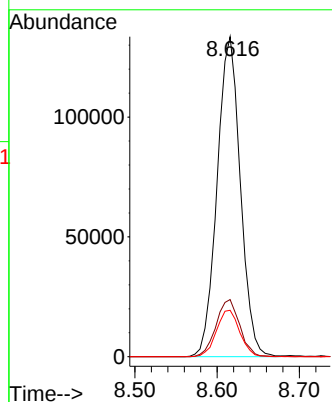
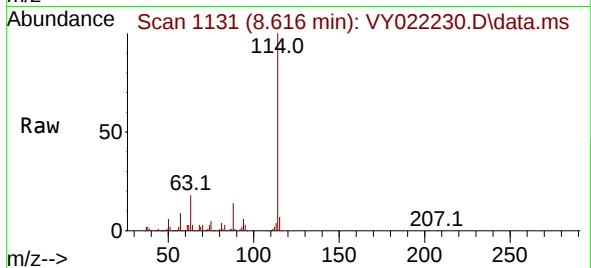




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

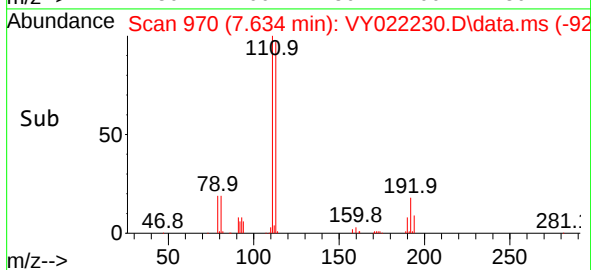
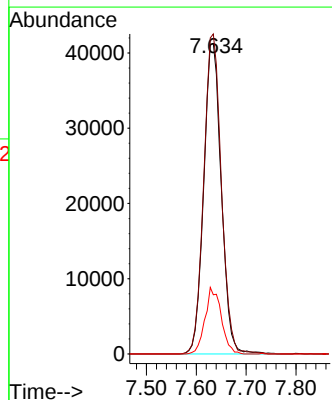
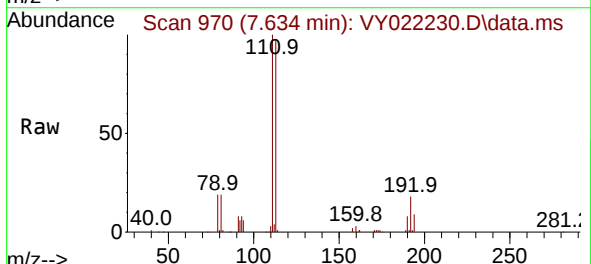
Instrument :
MSVOA_Y
ClientSampleId :
GC1

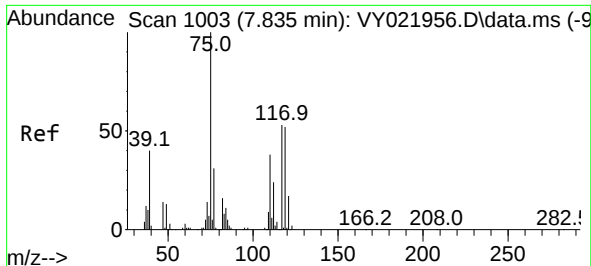
Tgt Ion:114 Resp: 261915
Ion Ratio Lower Upper
114 100
63 17.8 0.0 35.4
88 14.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 58.296 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion:113 Resp: 100873
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 19.8 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.752 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022230.D

Acq: 12 May 2025 17:19

Instrument :

MSVOA_Y

ClientSampleId :

GC1

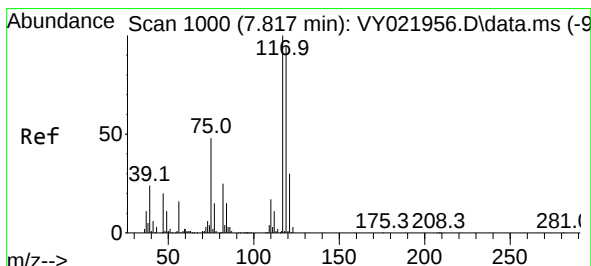
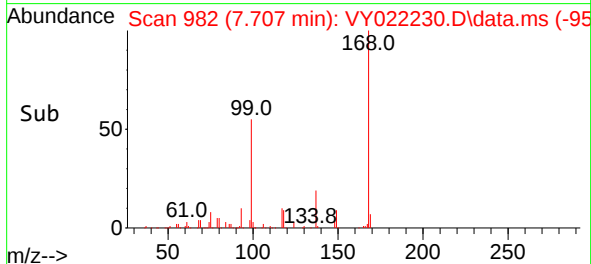
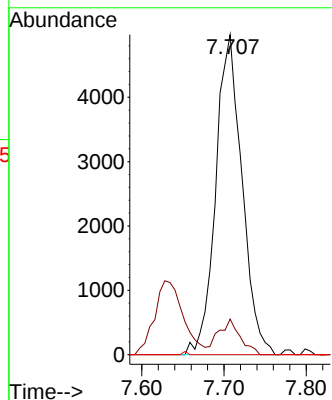
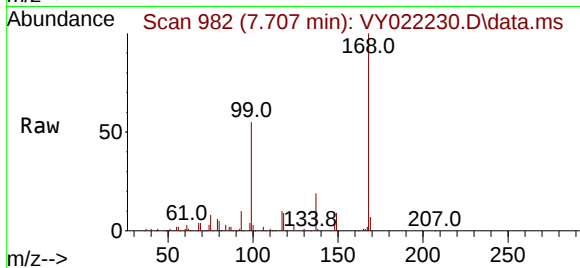
Tgt Ion: 75 Resp: 11044

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.884 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022230.D

Acq: 12 May 2025 17:19

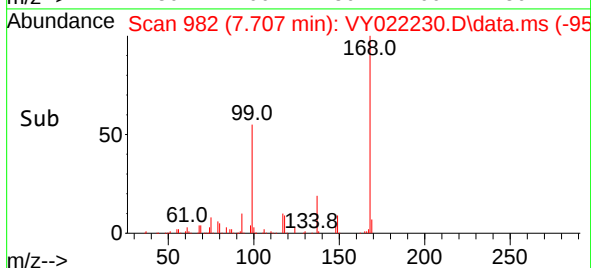
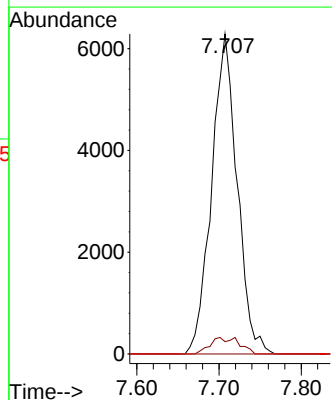
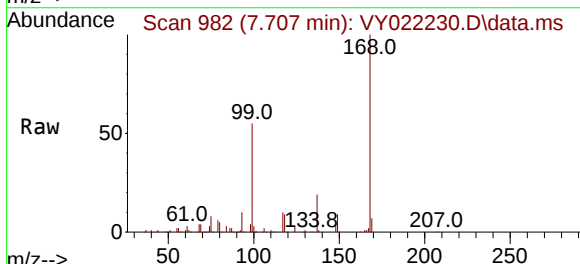
Tgt Ion: 117 Resp: 13564

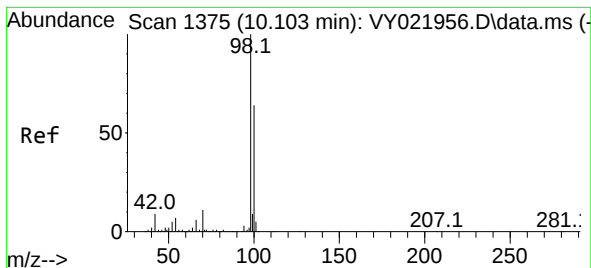
Ion Ratio Lower Upper

117 100

119 3.9 76.2 114.4#

121 0.0 24.0 36.0#

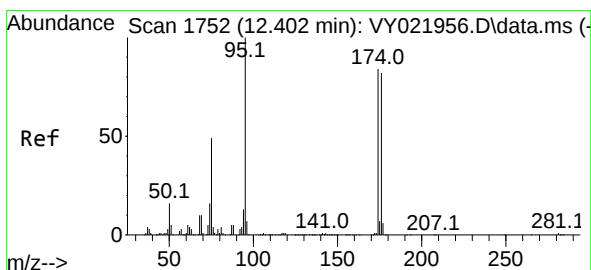
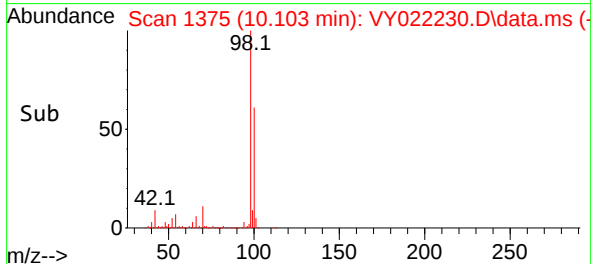
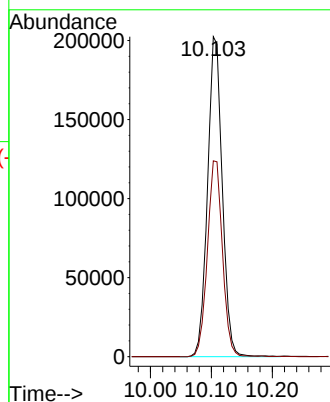
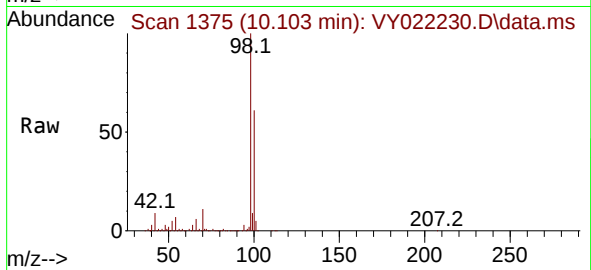




#50
Toluene-d8
Concen: 52.119 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

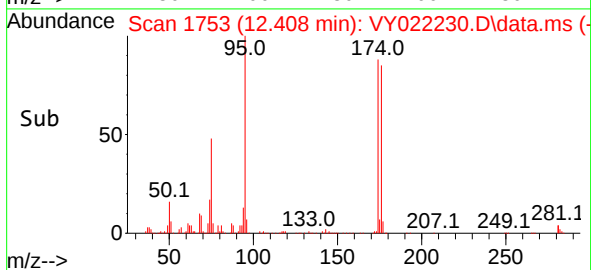
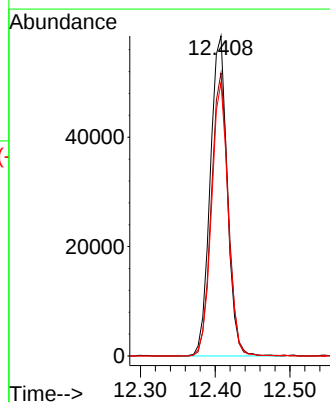
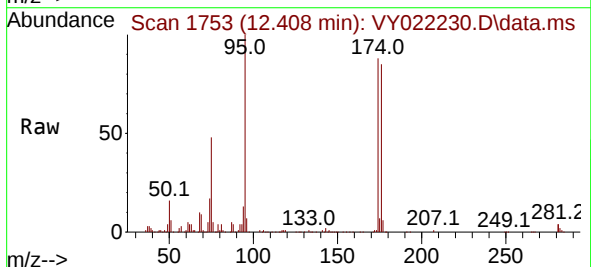
Instrument :
MSVOA_Y
ClientSampleId :
GC1

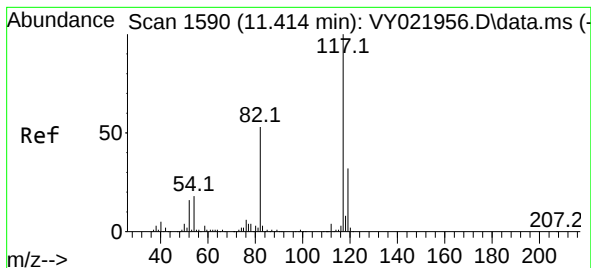
Tgt Ion: 98 Resp: 339991
Ion Ratio Lower Upper
98 100
100 62.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 42.160 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 95 Resp: 92585
Ion Ratio Lower Upper
95 100
174 88.1 0.0 179.0
176 83.7 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022230.D

Acq: 12 May 2025 17:19

Instrument :

MSVOA_Y

ClientSampleId :

GC1

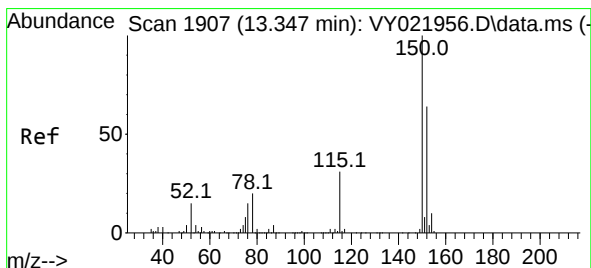
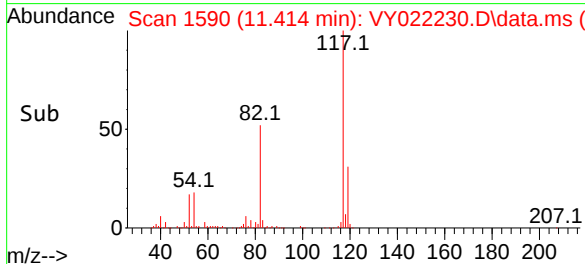
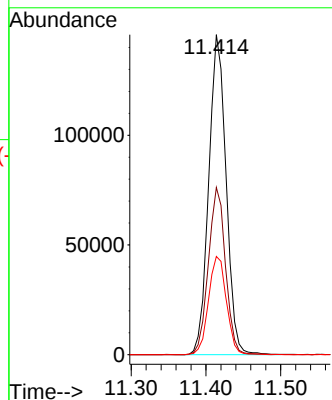
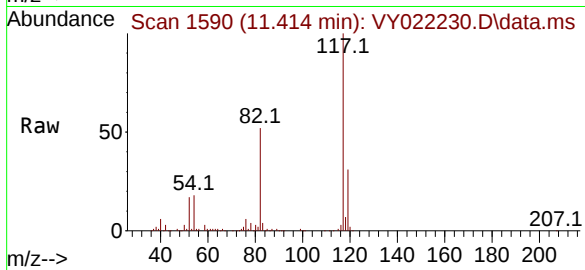
Tgt Ion:117 Resp: 235241

Ion Ratio Lower Upper

117 100

82 52.2 42.1 63.1

119 30.7 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: VY022230.D

Acq: 12 May 2025 17:19

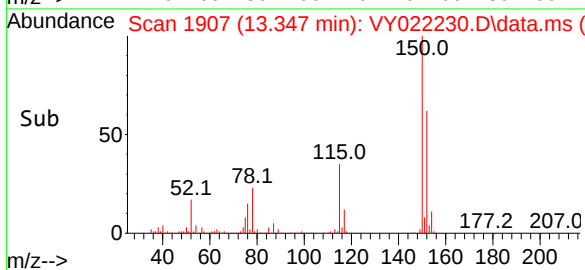
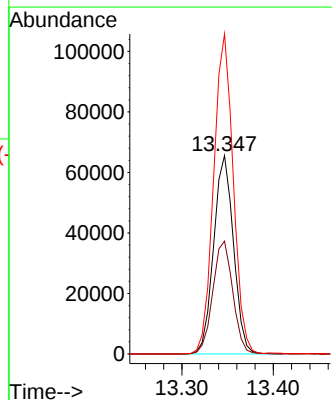
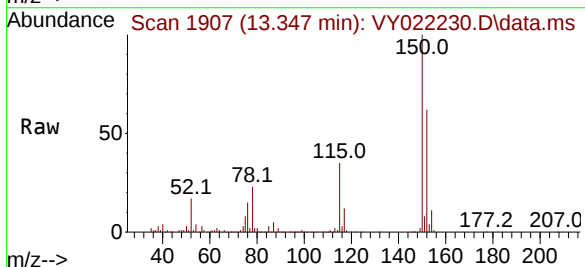
Tgt Ion:152 Resp: 98718

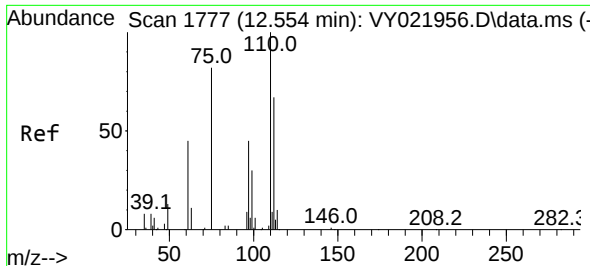
Ion Ratio Lower Upper

152 100

115 57.5 28.0 84.0

150 159.3 0.0 345.6

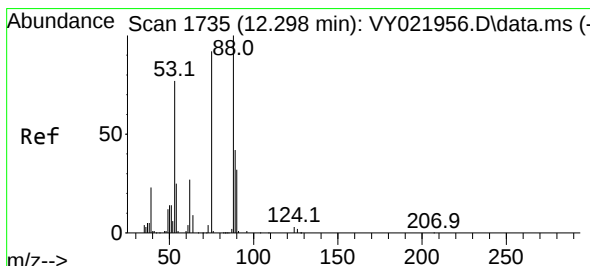
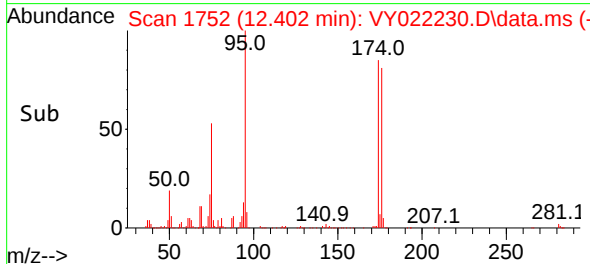
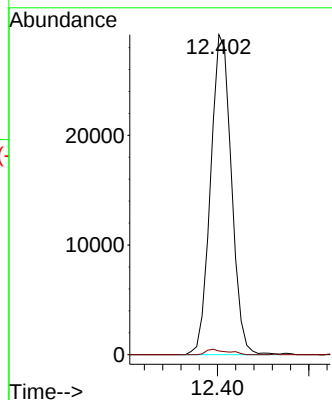
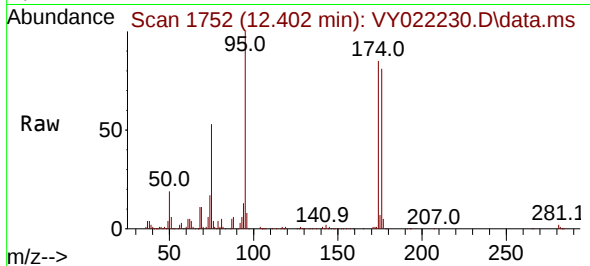




#76
1,2,3-Trichloropropane
Concen: 54.670 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion: 75 Resp: 46227
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.653 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 75 Resp: 46227
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.0 37.2 55.8#

