

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022938.D
 Acq On : 03 Jul 2025 13:26
 Operator : SY/MD
 Sample : Q2487-01
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(1.5)

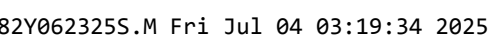
Quant Time: Jul 04 03:19:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

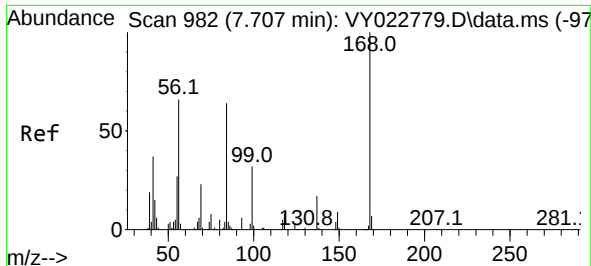
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	263891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	498003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	486484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	211646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156878	53.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.520%	
35) Dibromofluoromethane	7.634	113	162534	53.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.340%	
50) Toluene-d8	10.103	98	611986	50.923	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.840%	
62) 4-Bromofluorobenzene	12.402	95	213824	55.346	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	354	1.808	ug/l #	73
16) Acetone	3.873	43	57915	104.036	ug/l	95
17) Carbon Disulfide	4.110	76	30501	3.535	ug/l	98
20) Methylene Chloride	4.616	84	9644	2.743	ug/l	97
25) 2-Butanone	6.896	43	13532	16.702	ug/l	95
31) Cyclohexane	7.707	56	7085	1.400	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	22898	4.988	ug/l #	45
37) Ethyl Acetate	6.896	43	13532	6.831	ug/l #	69
38) Carbon Tetrachloride	7.707	117	27343	5.645	ug/l #	18
55) 1,1,2-Trichloroethane	10.548	97	2783	1.146	ug/l #	24
58) 2-Chloroethyl Vinyl ether	9.689	63	57	15.686	ug/l #	48
59) 2-Hexanone	10.731	43	1749	1.230	ug/l #	24
76) 1,2,3-Trichloropropane	12.402	75	120903	55.955	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	120903	141.364	ug/l #	11

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

Quant Time: Jul 04 03:19:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

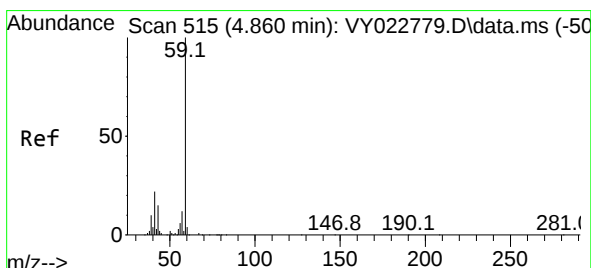
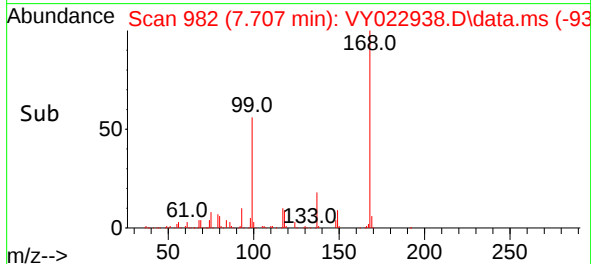
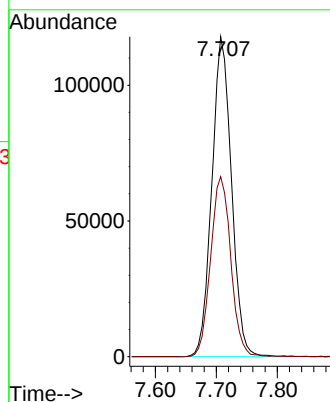
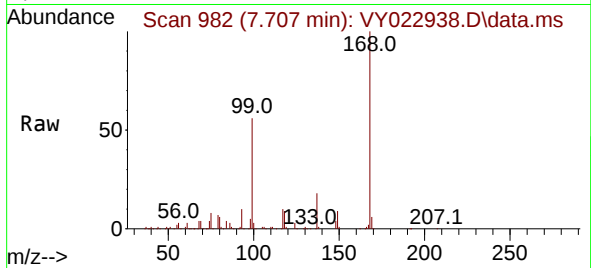




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

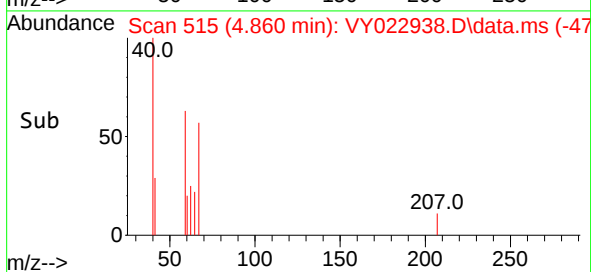
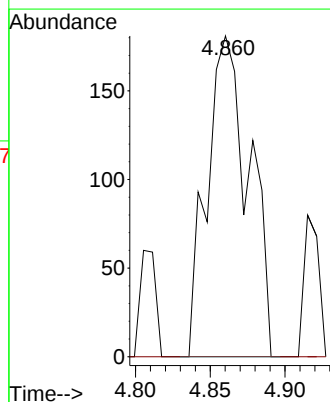
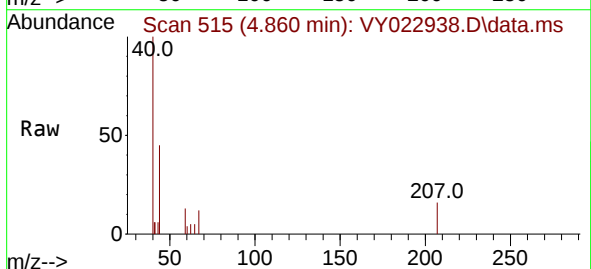
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

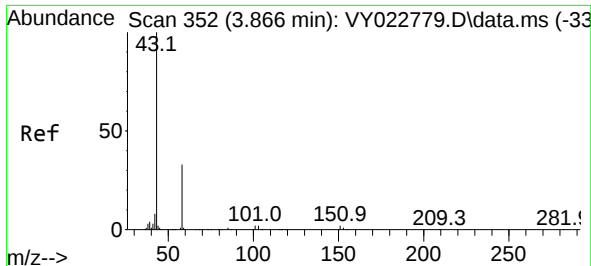
Tgt Ion:168 Resp: 263891
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.808 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.025 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion: 59 Resp: 354
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

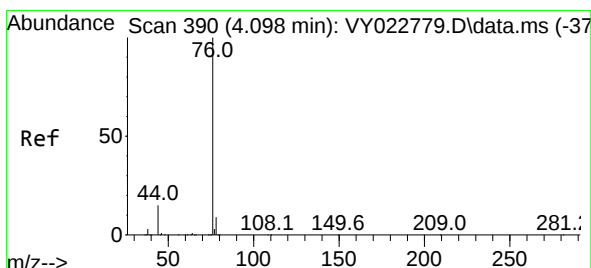
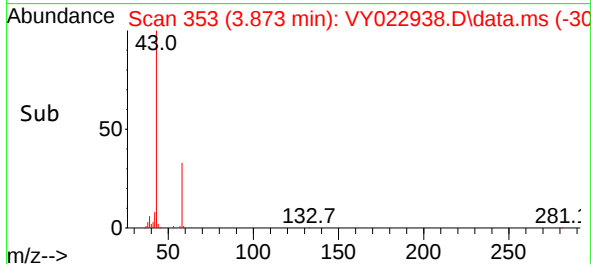
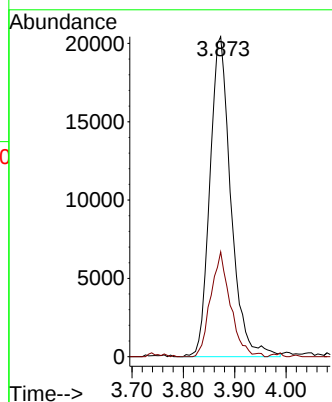
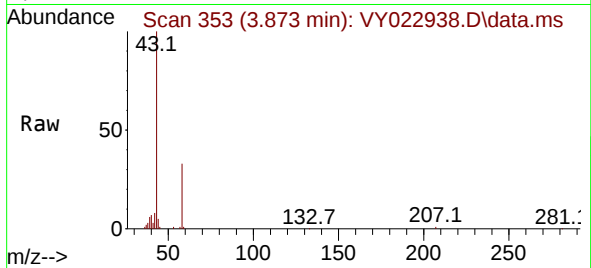




#16
Acetone
Concen: 104.036 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

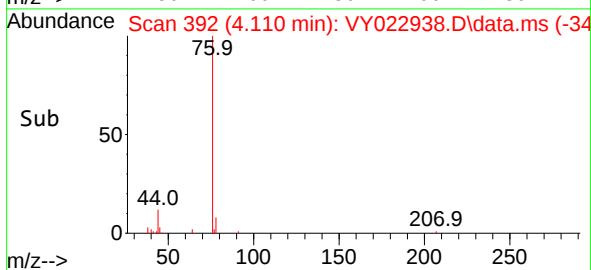
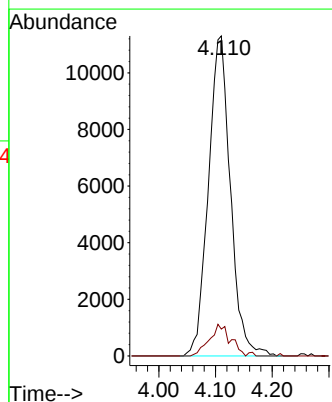
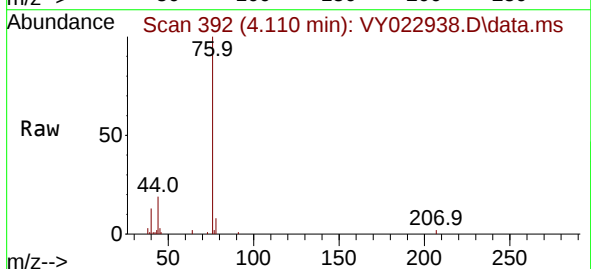
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

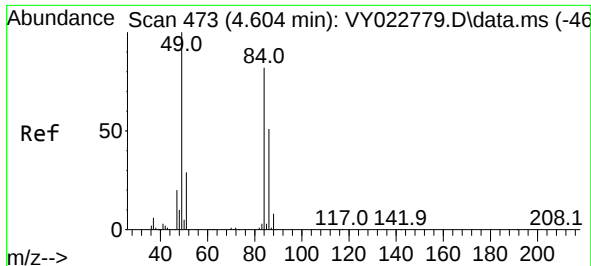
Tgt Ion: 43 Resp: 57915
Ion Ratio Lower Upper
43 100
58 32.8 24.0 36.0



#17
Carbon Disulfide
Concen: 3.535 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion: 76 Resp: 30501
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2

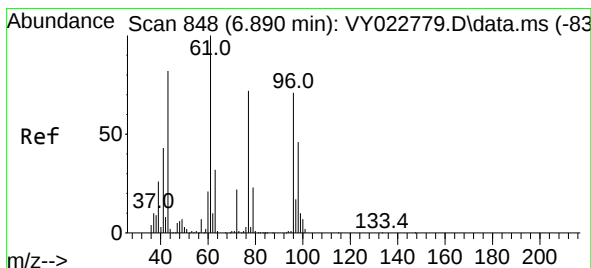
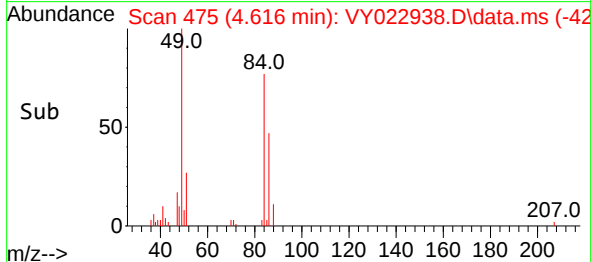
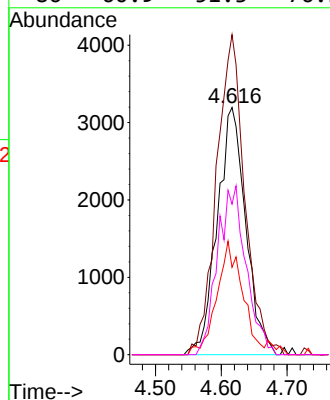
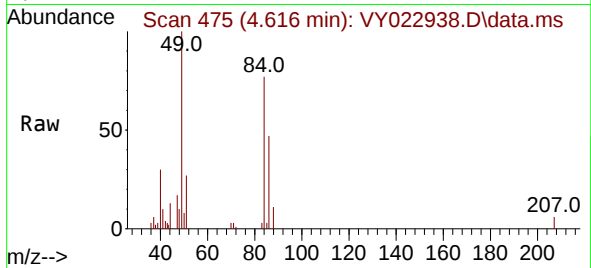




#20
Methylene Chloride
Concen: 2.743 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

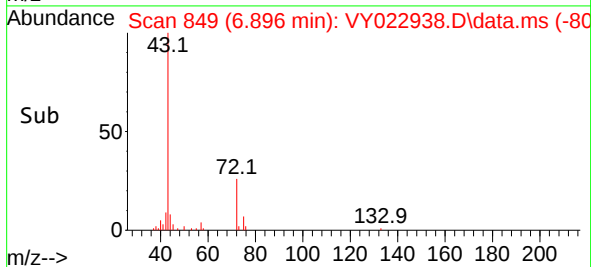
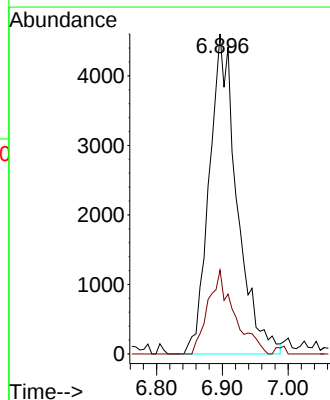
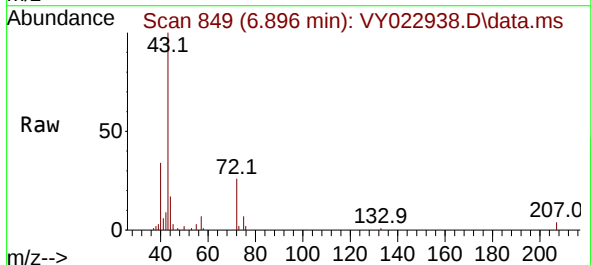
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

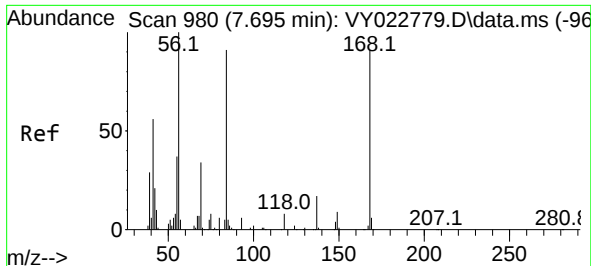
Tgt Ion:	84	Resp:	9644
Ion	Ratio	Lower	Upper
84	100		
49	129.5	101.9	152.9
51	35.3	29.8	44.8
86	60.9	51.3	76.9



#25
2-Butanone
Concen: 16.702 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion:	43	Resp:	13532
Ion	Ratio	Lower	Upper
43	100		
72	26.2	22.9	34.3

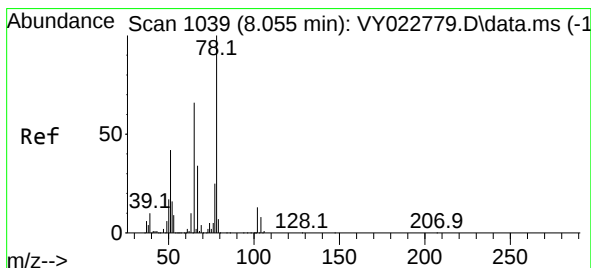
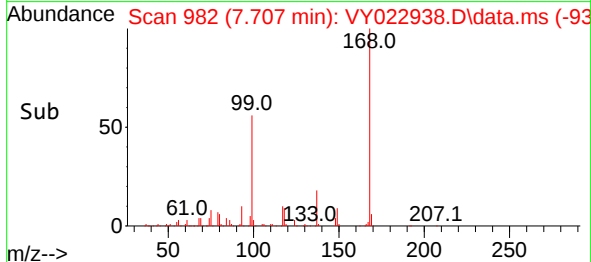
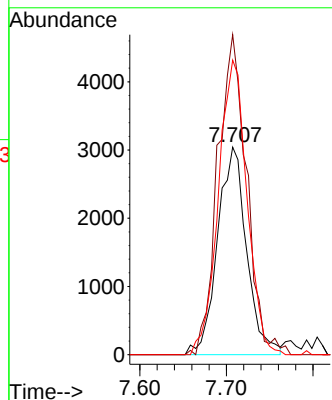
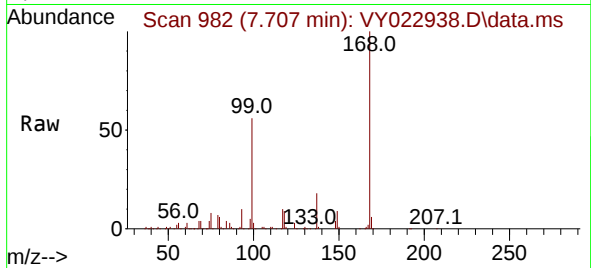




#31
Cyclohexane
Concen: 1.400 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

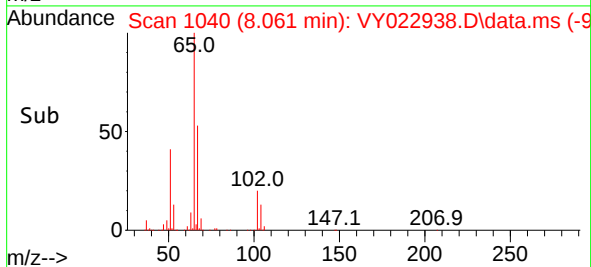
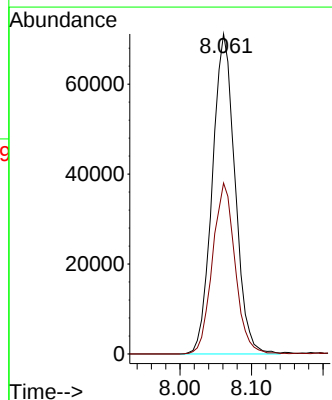
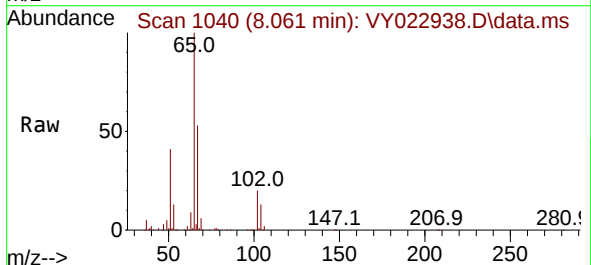
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

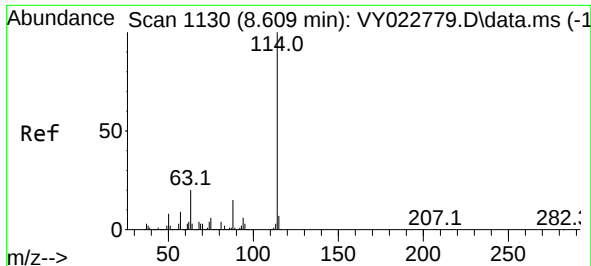
Tgt Ion: 56 Resp: 7085
Ion Ratio Lower Upper
56 100
69 154.2 27.0 40.6#
84 142.0 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 53.264 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion: 65 Resp: 156878
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

G4(1.5)

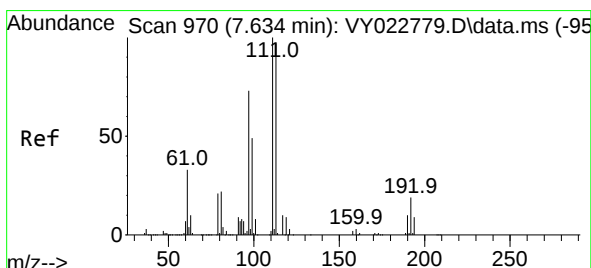
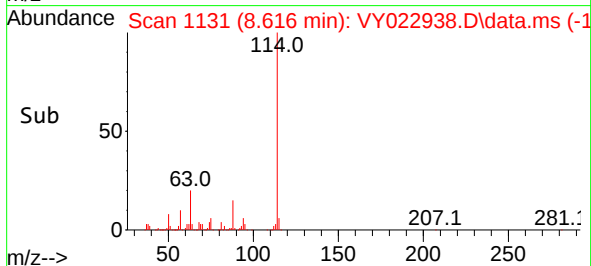
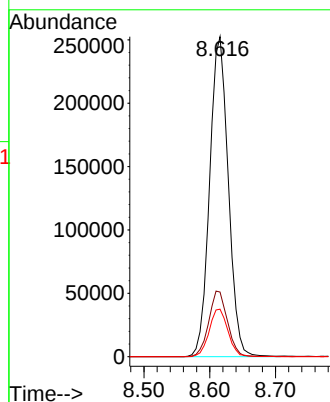
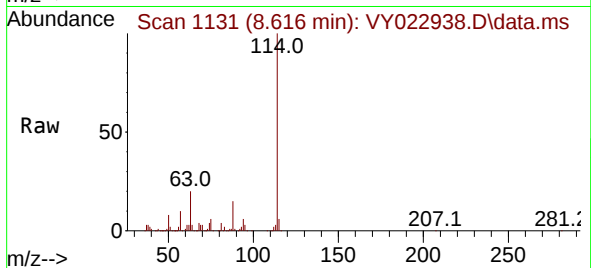
Tgt Ion:114 Resp: 498003

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.8 0.0 27.8



#35

Dibromofluoromethane

Concen: 53.666 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

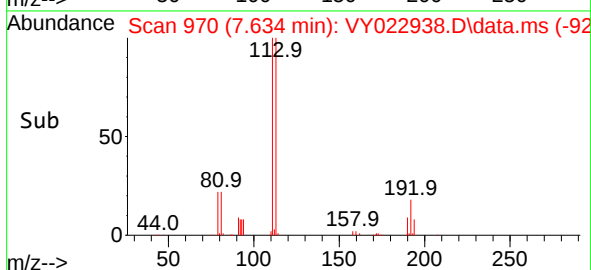
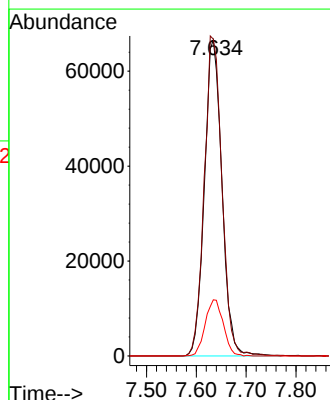
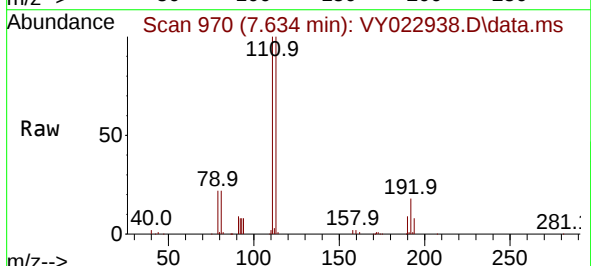
Tgt Ion:113 Resp: 162534

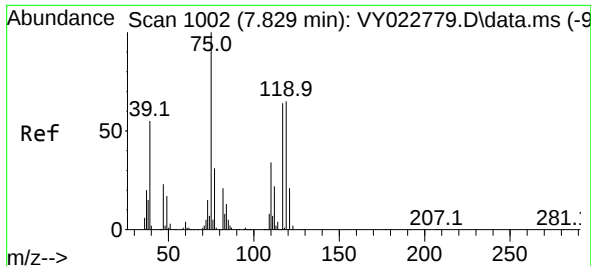
Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

192 18.4 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.988 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY022938.D

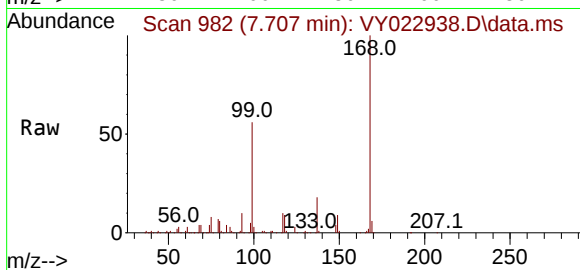
Acq: 03 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

G4(1.5)



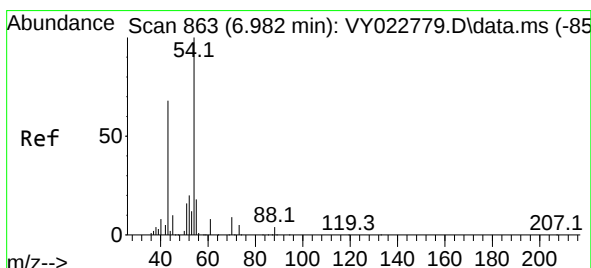
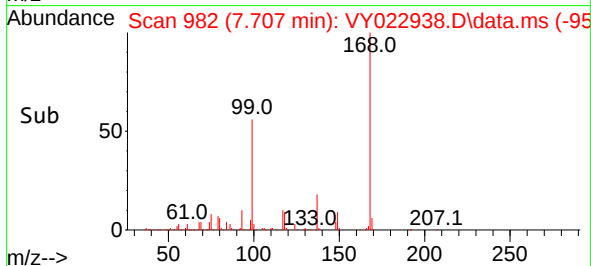
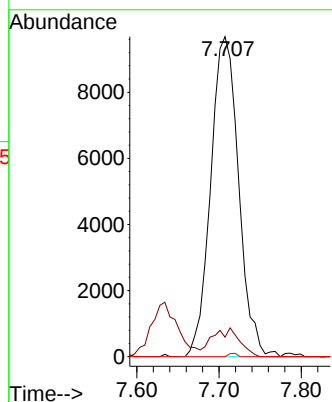
Tgt Ion: 75 Resp: 22898

Ion Ratio Lower Upper

75 100

110 3.0 16.9 50.7#

77 0.3 24.8 37.2#



#37

Ethyl Acetate

Concen: 6.831 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.098 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

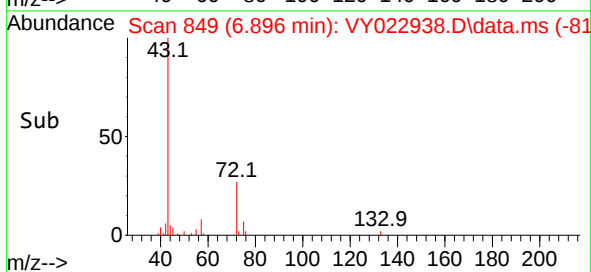
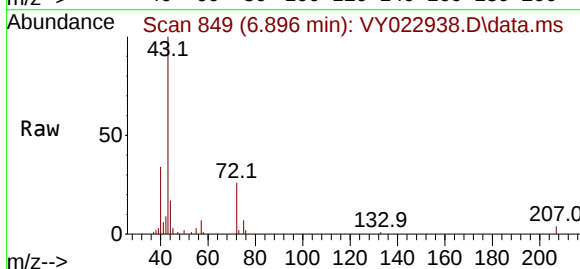
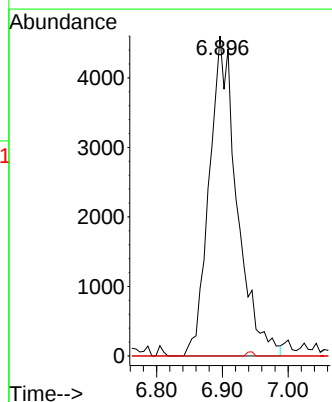
Tgt Ion: 43 Resp: 13532

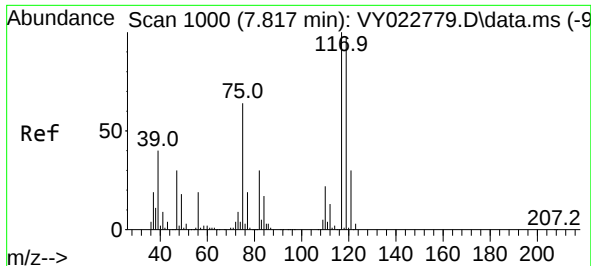
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.2 10.8#

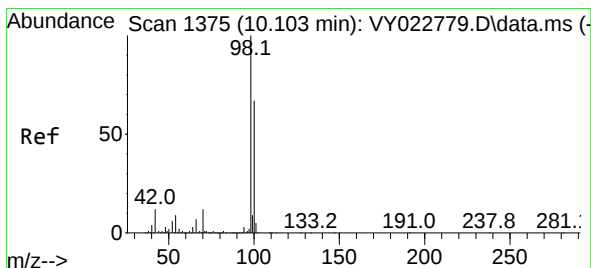
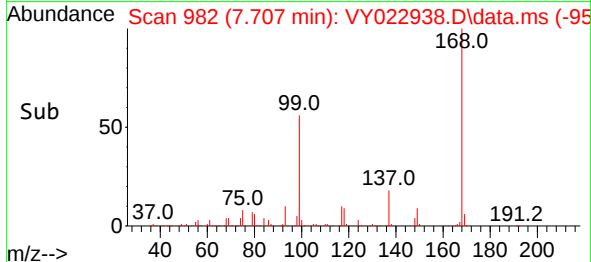
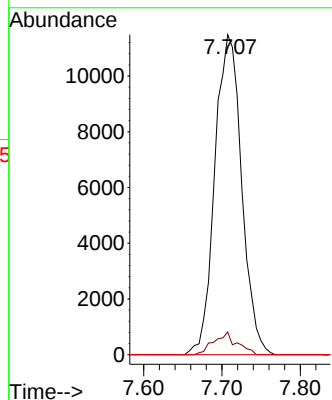
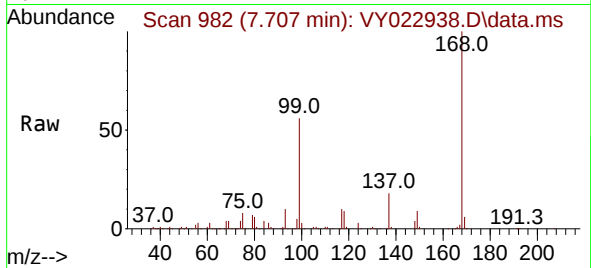




#38
Carbon Tetrachloride
Concen: 5.645 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

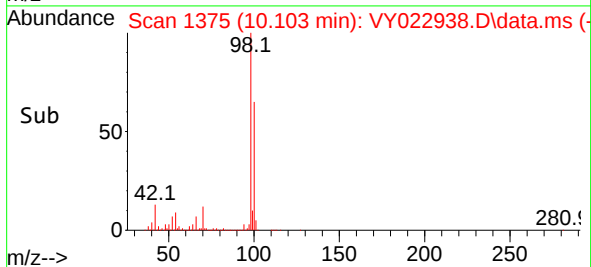
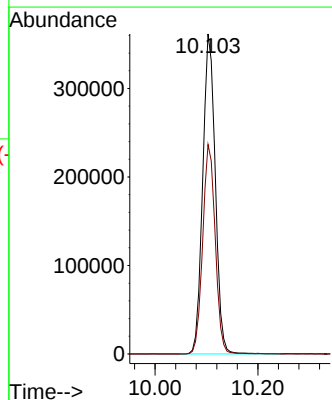
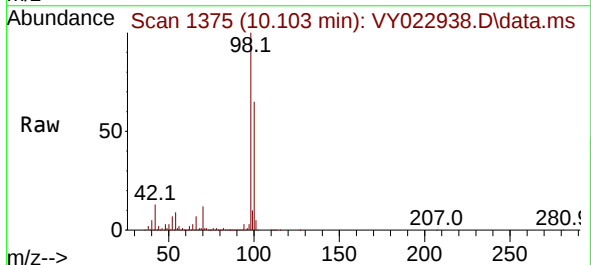
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

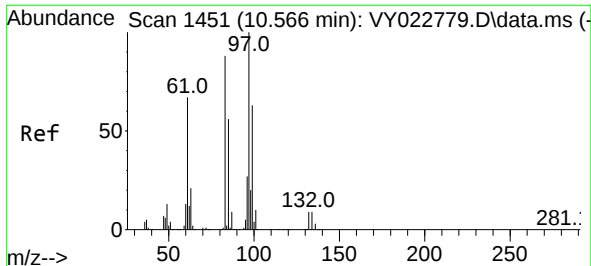
Tgt Ion:117 Resp: 27343
Ion Ratio Lower Upper
117 100
119 7.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.923 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion: 98 Resp: 611986
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0

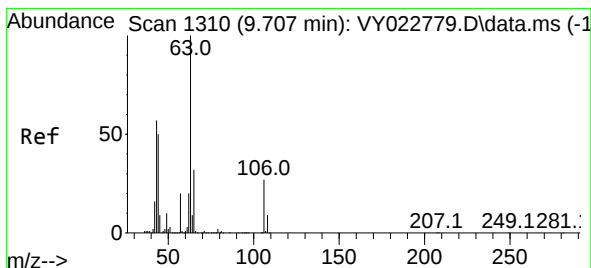
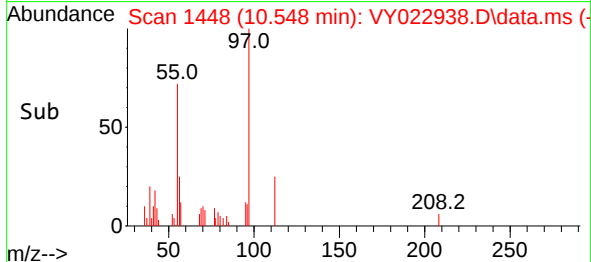
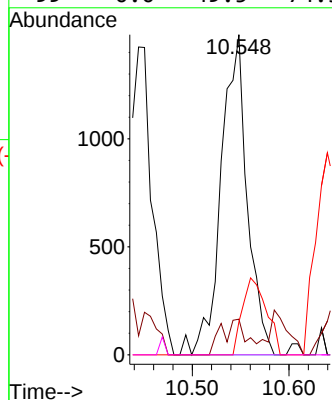
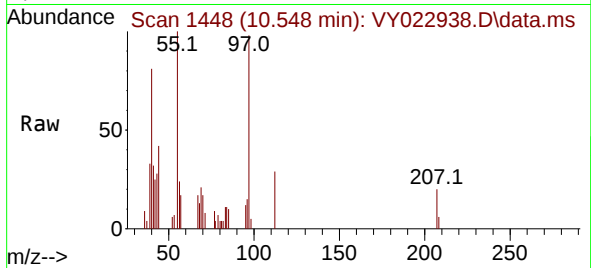




#55
1,1,2-Trichloroethane
Concen: 1.146 ug/l
RT: 10.548 min Scan# 1451
Delta R.T. -0.024 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

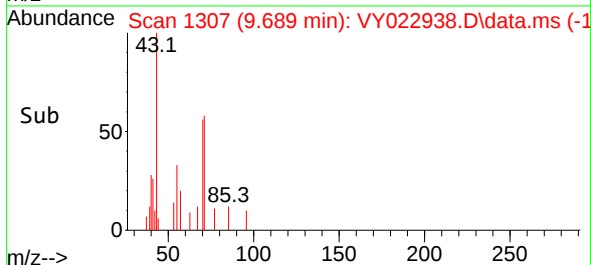
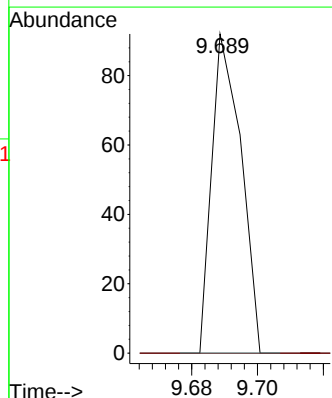
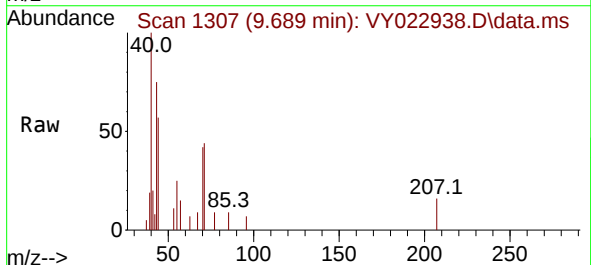
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

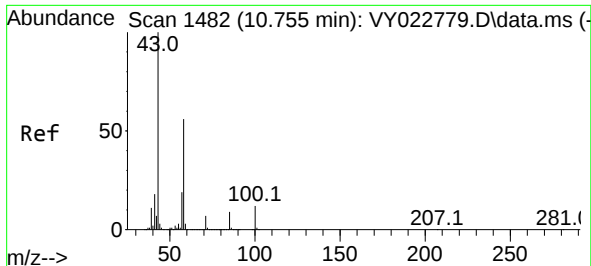
Tgt Ion: 97	Resp: 2783
Ion Ratio	Lower Upper
97 100	
83 11.1	68.1 102.1#
85 10.3	48.2 72.2#
99 0.0	49.5 74.3#



#58
2-Chloroethyl Vinyl ether
Concen: 15.686 ug/l
RT: 9.689 min Scan# 1307
Delta R.T. -0.024 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion: 63	Resp: 57		
Ion Ratio	Lower	Upper	
63 100			
106 0.0	21.6	32.4#	

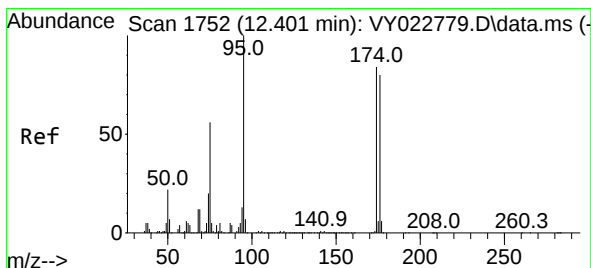
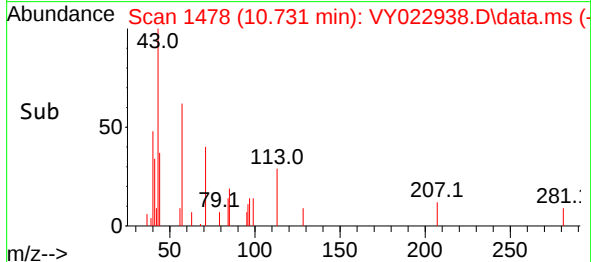
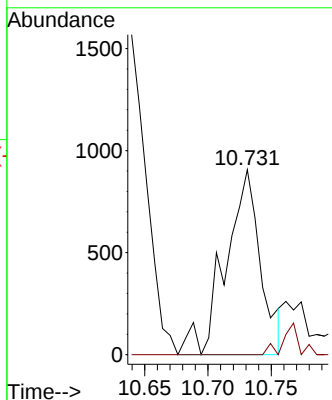
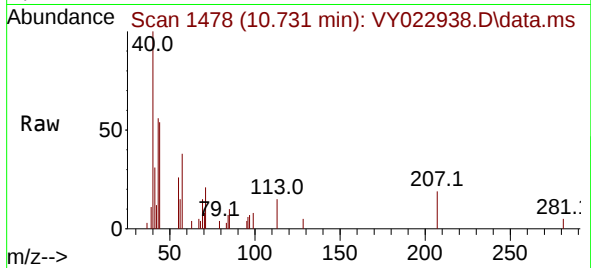




#59
2-Hexanone
Concen: 1.230 ug/l
RT: 10.731 min Scan# 1482
Delta R.T. -0.031 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

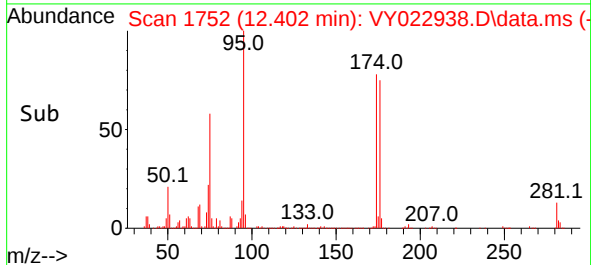
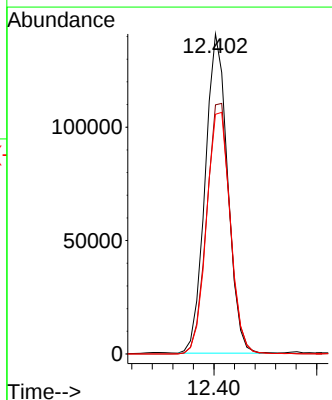
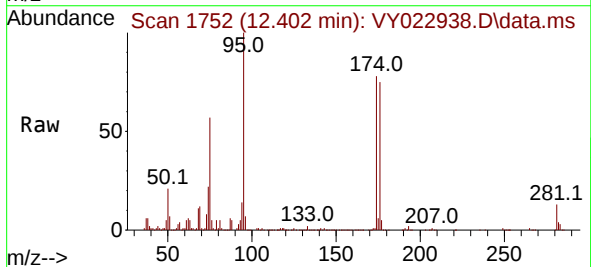
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

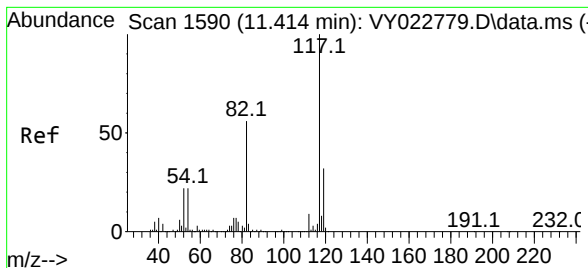
Tgt Ion: 43 Resp: 1749
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 55.346 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion: 95 Resp: 213824
Ion Ratio Lower Upper
95 100
174 81.7 0.0 170.0
176 80.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

G4(1.5)

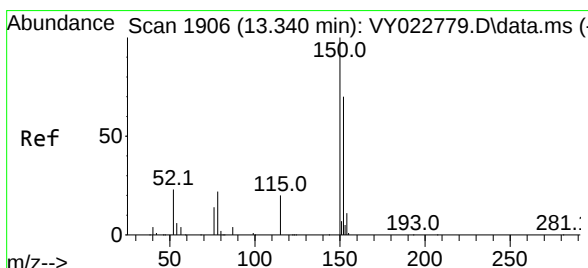
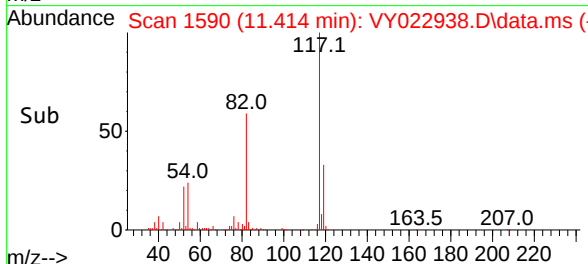
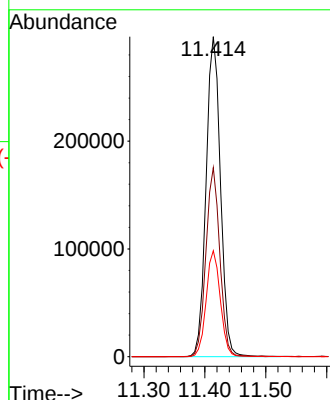
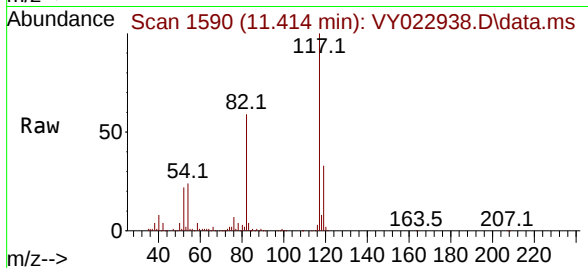
Tgt Ion:117 Resp: 486484

Ion Ratio Lower Upper

117 100

82 59.0 44.6 66.8

119 33.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

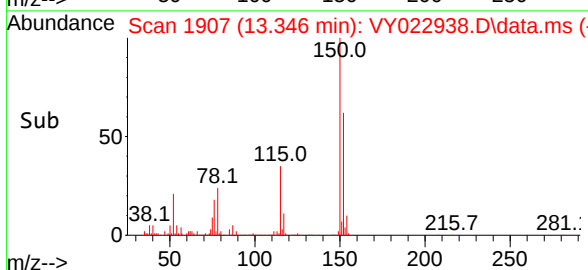
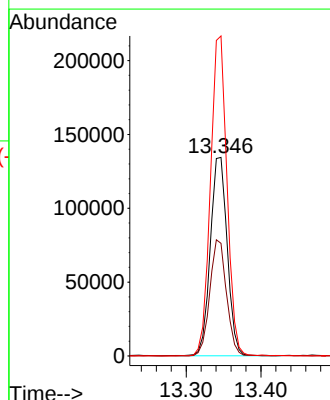
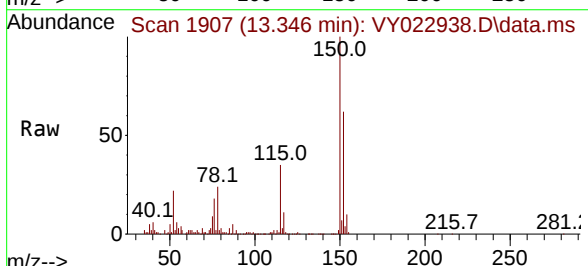
Tgt Ion:152 Resp: 211646

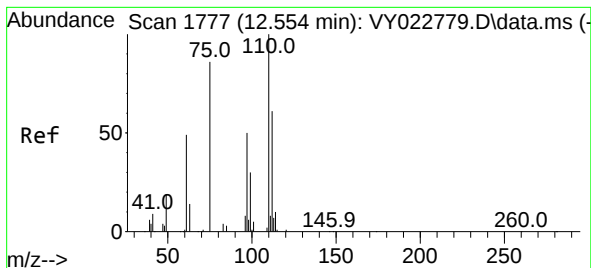
Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 157.1 0.0 349.6

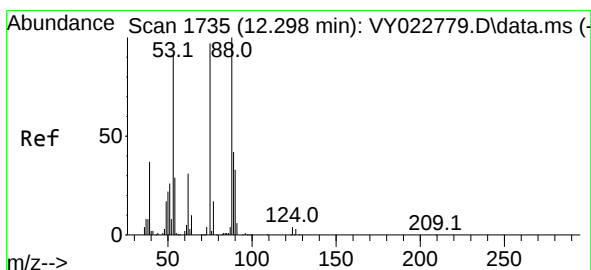
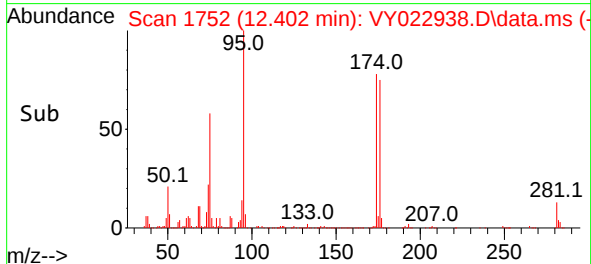
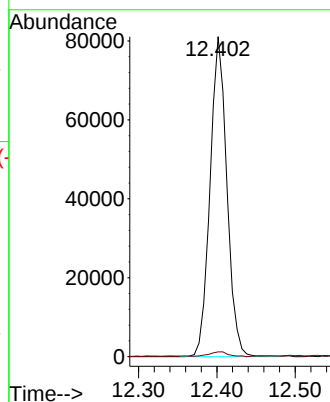
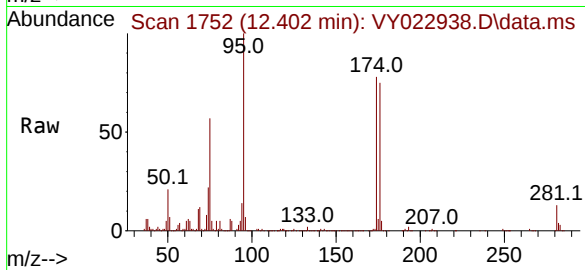




#76
1,2,3-Trichloropropane
Concen: 55.955 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

Tgt Ion: 75 Resp: 120903
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.364 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion: 75 Resp: 120903
Ion Ratio Lower Upper
75 100
53 0.5 78.5 117.7#
89 0.4 35.7 53.5#

