

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022753.D
 Acq On : 19 Jun 2025 14:11
 Operator : SY/MD
 Sample : Q2364-04
 Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GAV2B

Quant Time: Jun 20 02:59:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	88870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	166685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	143096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	54203	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	57181	57.528	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.060%
35) Dibromofluoromethane	7.634	113	53231	53.503	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.000%
50) Toluene-d8	10.103	98	202963	50.487	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.980%
62) 4-Bromofluorobenzene	12.401	95	54005	45.088	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.180%

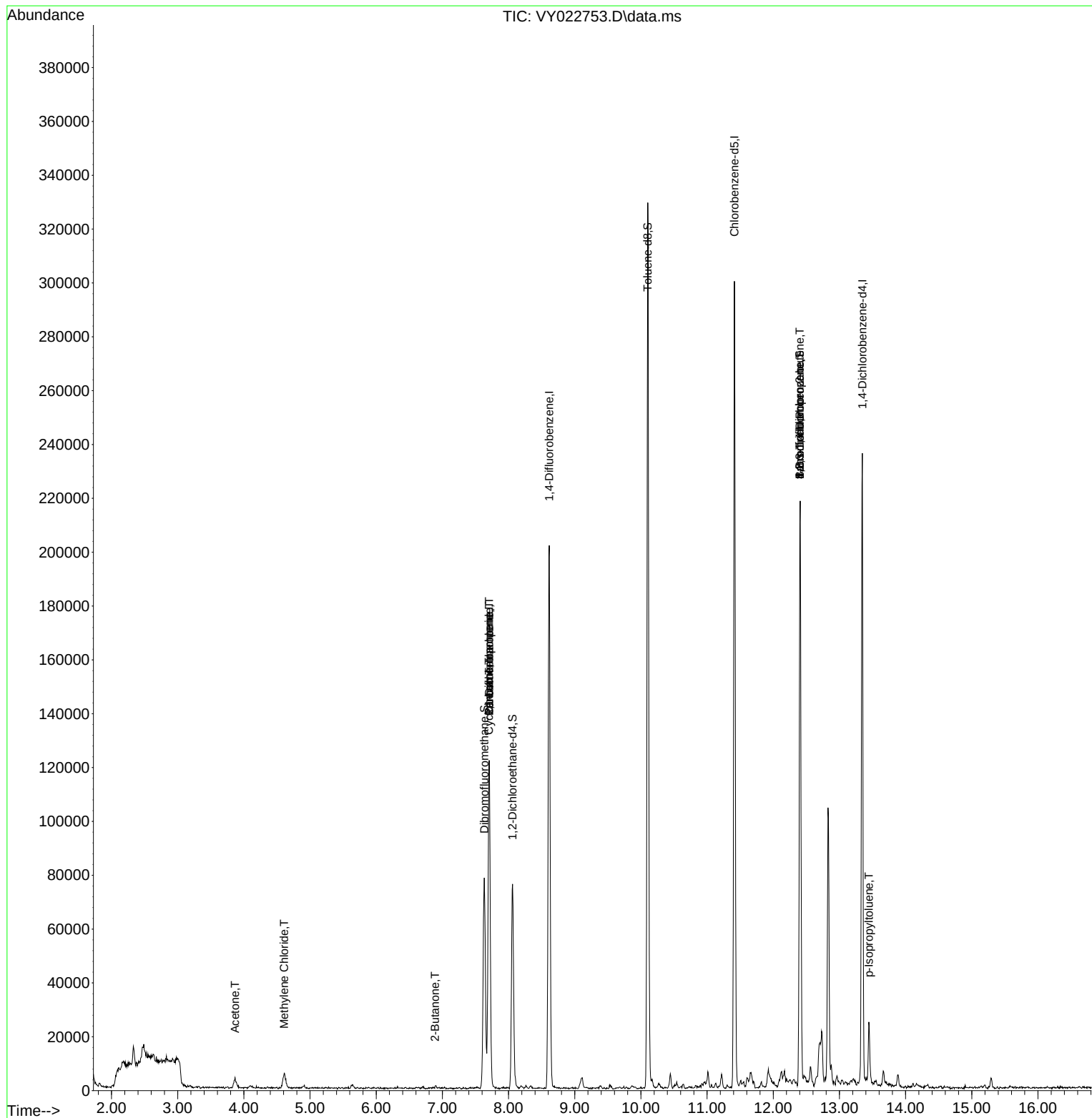
Target Compounds						Qvalue
16) Acetone	3.866	43	5802	28.743	ug/l #	61
20) Methylene Chloride	4.610	84	4111	3.585	ug/l #	81
25) 2-Butanone	6.890	43	438	1.504	ug/l #	88
31) Cyclohexane	7.701	56	3133	1.640	ug/l #	28
36) 1,1-Dichloropropene	7.707	75	8508	5.269	ug/l #	54
38) Carbon Tetrachloride	7.707	117	9241	5.579	ug/l #	18
71) Bromoform	12.401	173	636	1.120	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	32148	51.843	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	32148	125.198	ug/l #	11
86) p-Isopropyltoluene	13.444	119	5999	1.515	ug/l	95

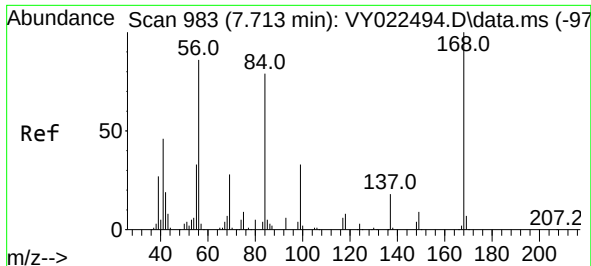
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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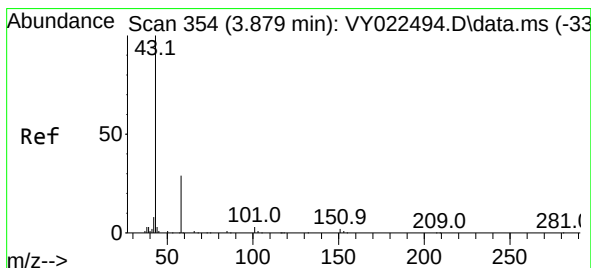
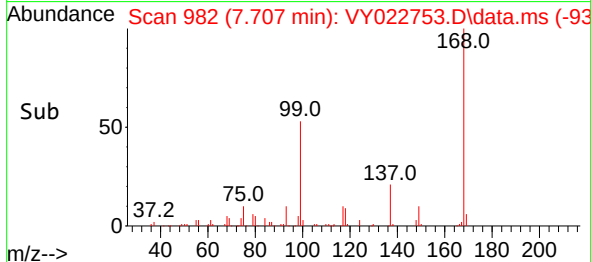
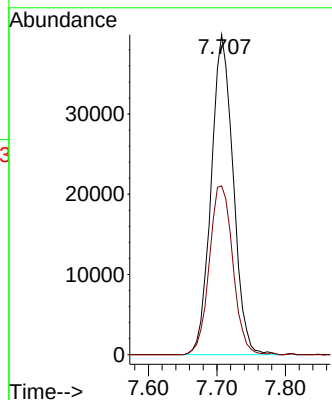
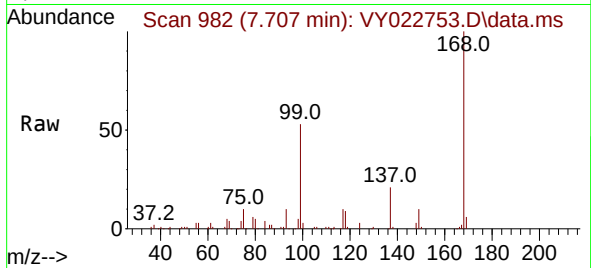




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

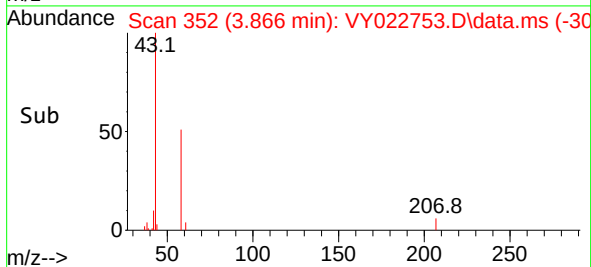
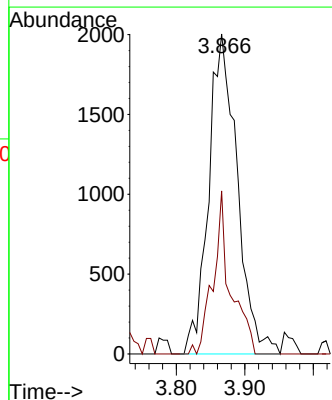
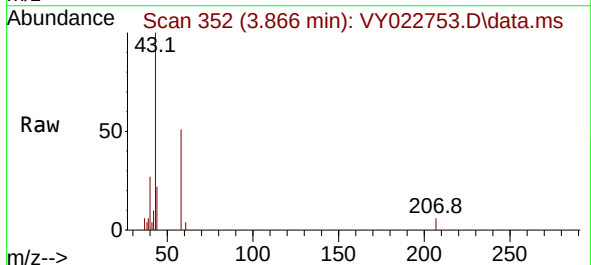
Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

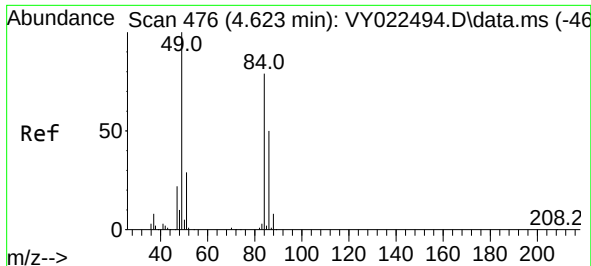
Tgt Ion:168 Resp: 88870
Ion Ratio Lower Upper
168 100
99 52.8 44.3 66.5



#16
Acetone
Concen: 28.743 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion: 43 Resp: 5802
Ion Ratio Lower Upper
43 100
58 50.9 24.0 36.0#

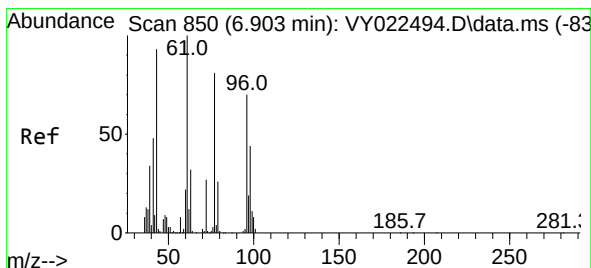
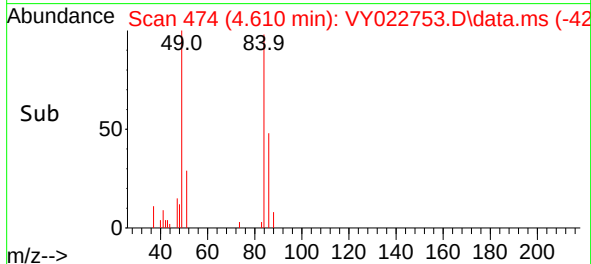
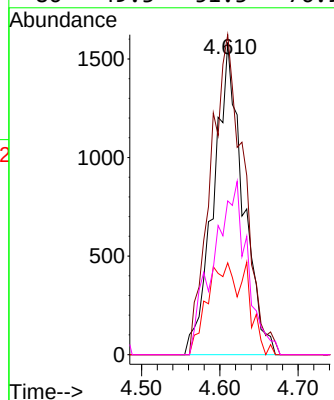
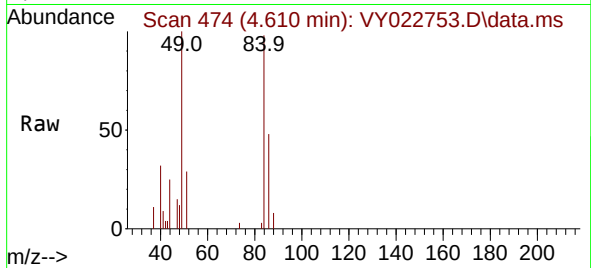




#20
Methylene Chloride
Concen: 3.585 ug/l
RT: 4.610 min Scan# 411
Delta R.T. -0.013 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

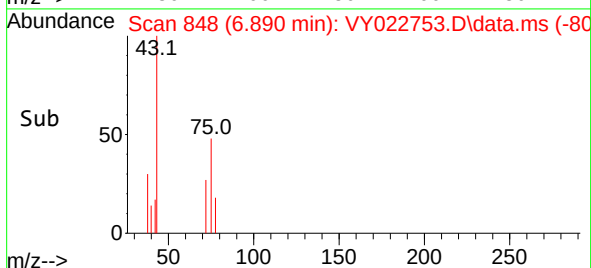
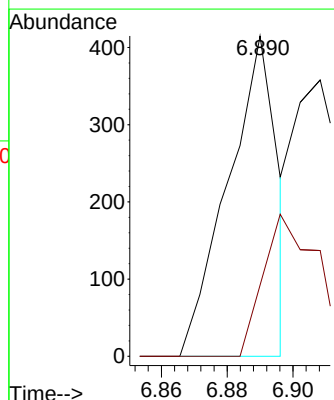
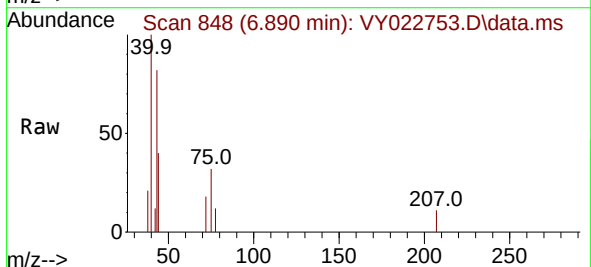
Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

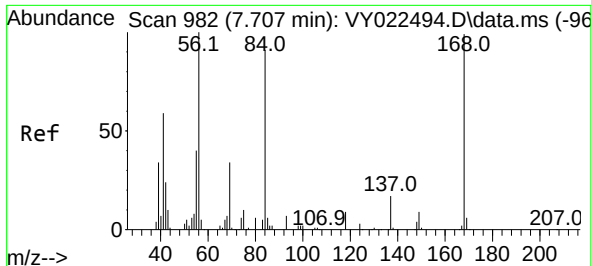
Tgt Ion: 84 Resp: 4111
Ion Ratio Lower Upper
84 100
49 102.5 101.9 152.9
51 29.4 29.8 44.8#
86 49.3 51.3 76.9#



#25
2-Butanone
Concen: 1.504 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.013 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
72 22.2 22.9 34.3#

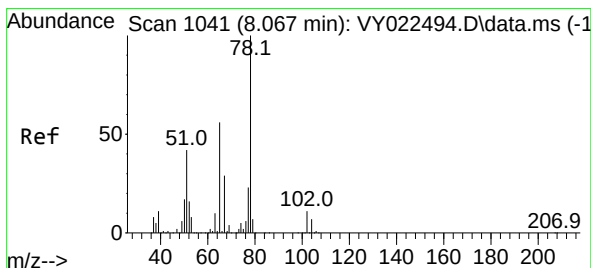
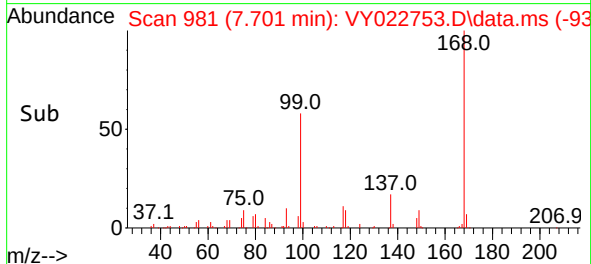
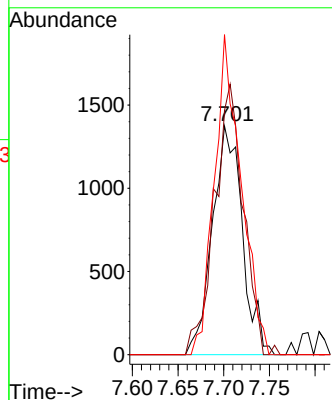
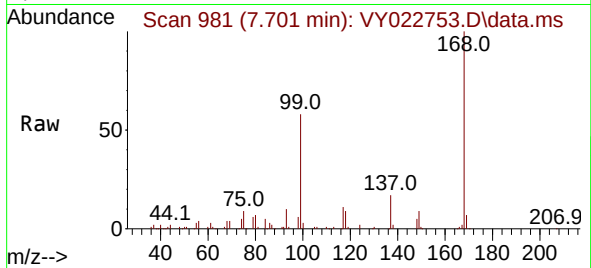




#31
Cyclohexane
Concen: 1.640 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

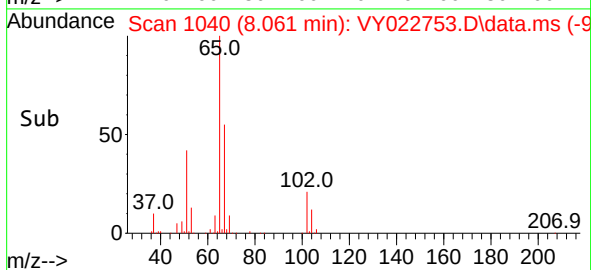
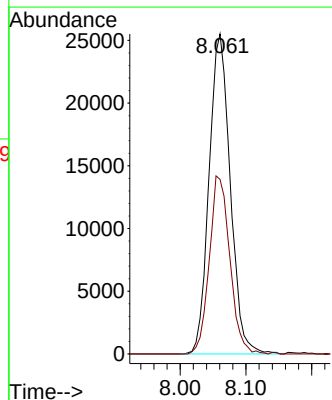
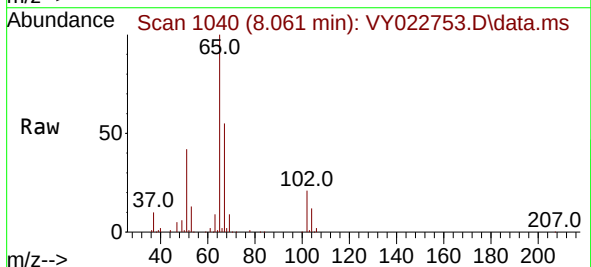
Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

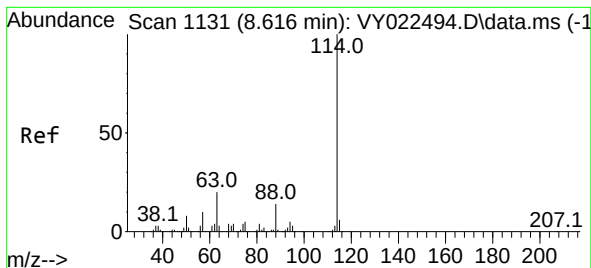
Tgt Ion: 56 Resp: 3133
Ion Ratio Lower Upper
56 100
69 106.8 27.0 40.6#
84 140.0 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 57.528 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion: 65 Resp: 57181
Ion Ratio Lower Upper
65 100
67 53.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022753.D

Acq: 19 Jun 2025 14:11

Instrument :

MSVOA_Y

ClientSampleId :

GAV2B

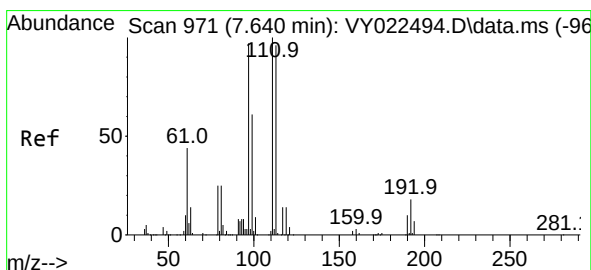
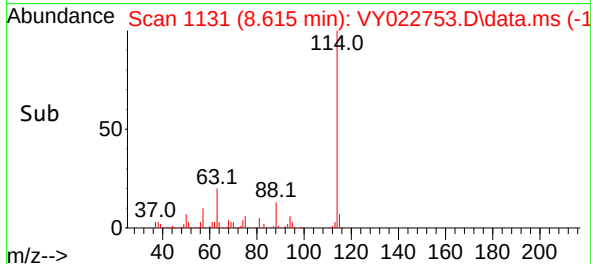
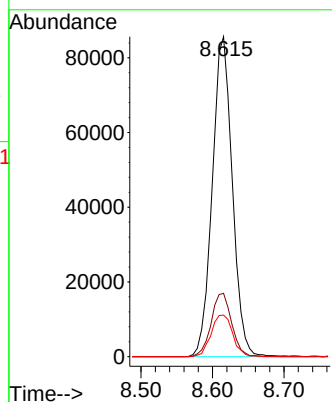
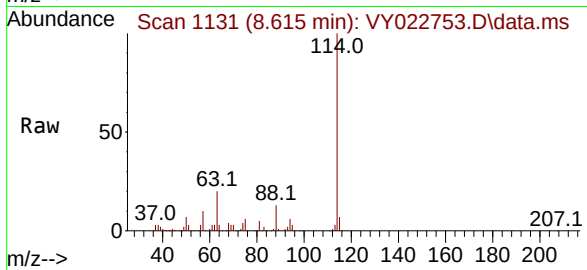
Tgt Ion:114 Resp: 166685

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 13.0 0.0 27.8



#35

Dibromofluoromethane

Concen: 53.503 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022753.D

Acq: 19 Jun 2025 14:11

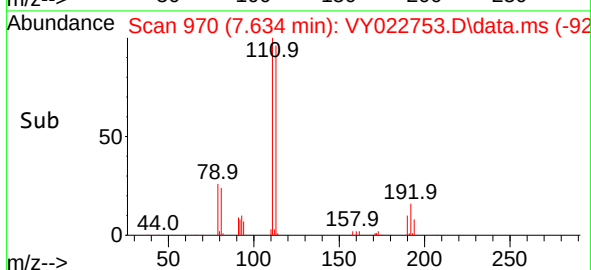
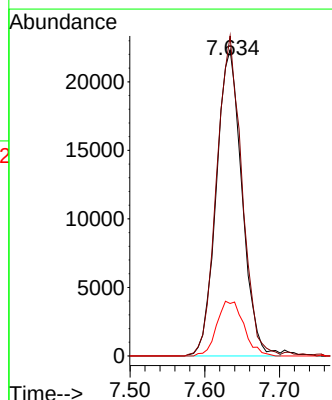
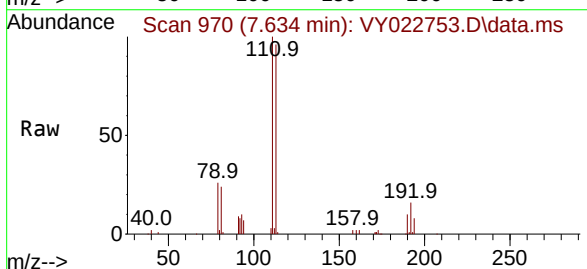
Tgt Ion:113 Resp: 53231

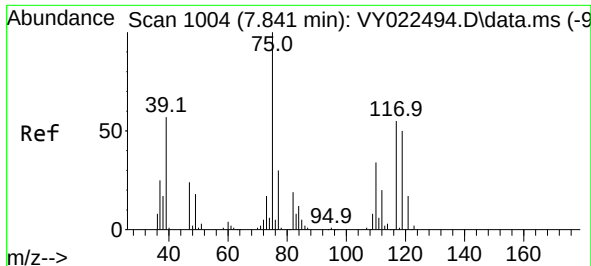
Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 18.9 14.2 21.2

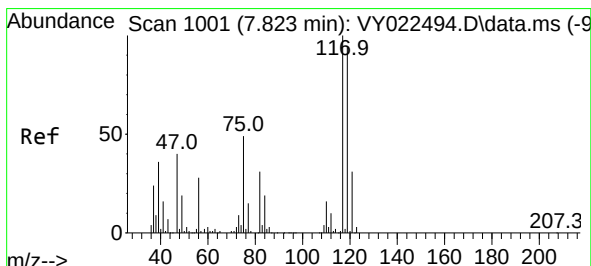
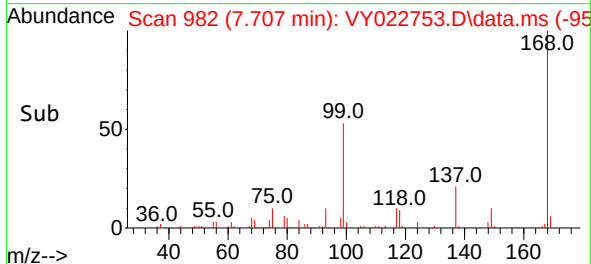
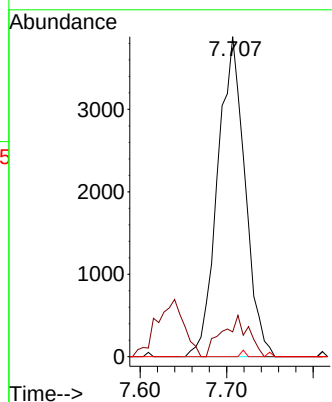
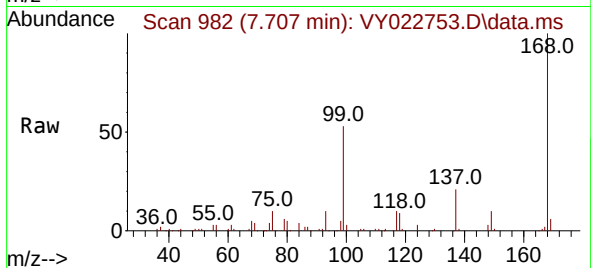




#36
1,1-Dichloropropene
Concen: 5.269 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.135 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

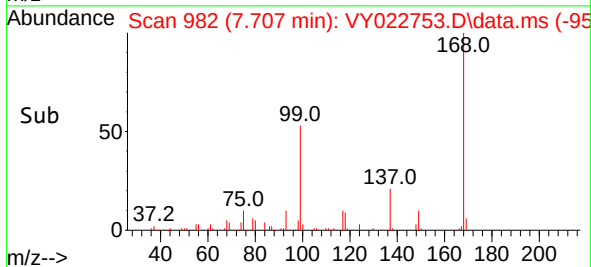
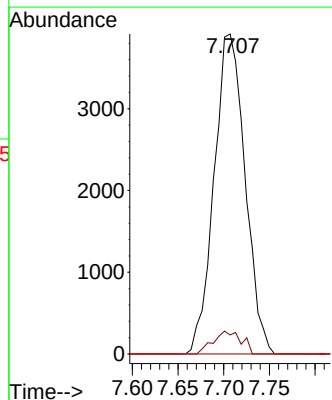
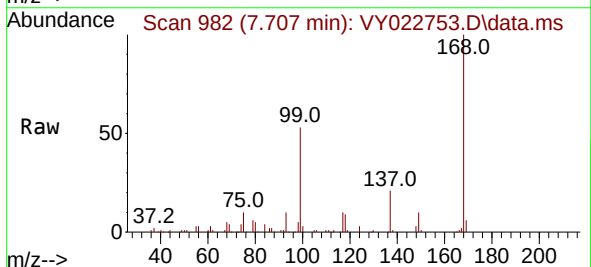
Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

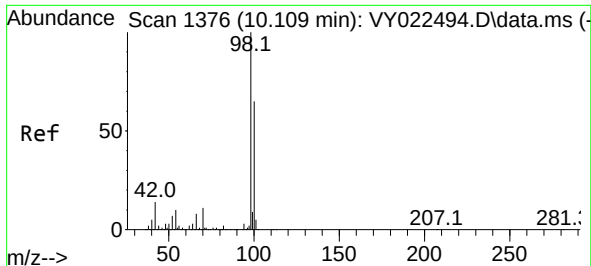
Tgt Ion: 75 Resp: 8508
Ion Ratio Lower Upper
75 100
110 12.2 16.9 50.7#
77 0.3 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.579 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion: 117 Resp: 9241
Ion Ratio Lower Upper
117 100
119 6.0 75.0 112.6#
121 0.0 25.0 37.4#

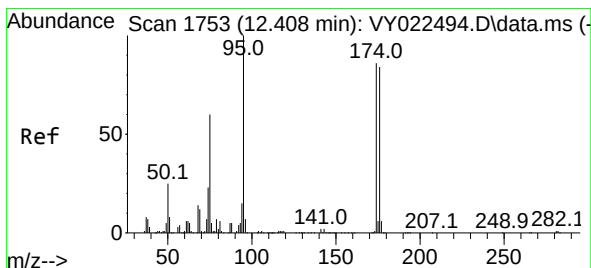
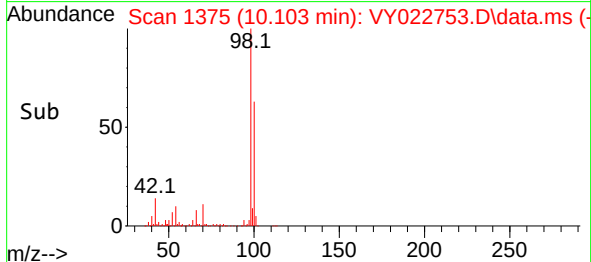
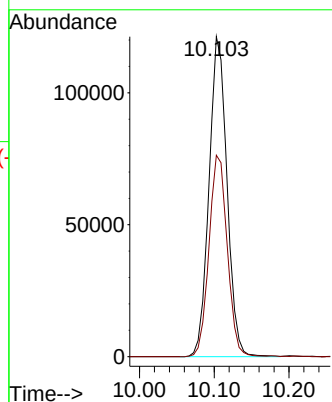
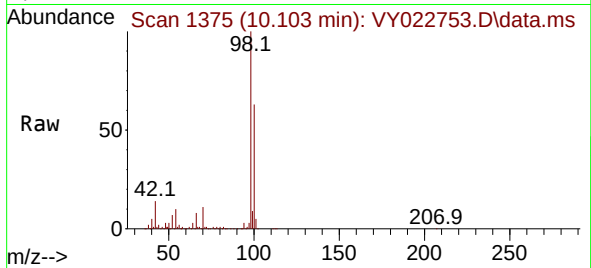




#50
Toluene-d8
Concen: 50.487 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

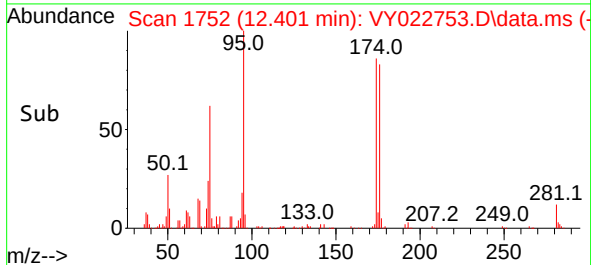
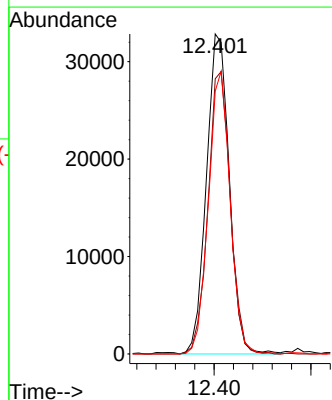
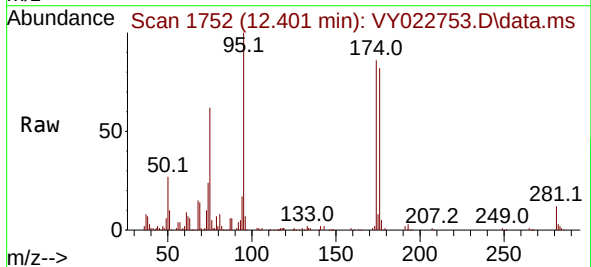
Instrument :
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ClientSampleId :
GAV2B

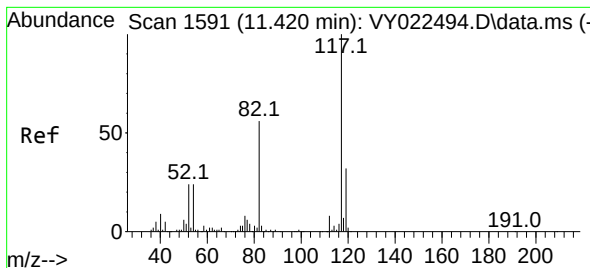
Tgt Ion: 98 Resp: 202963
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.088 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion: 95 Resp: 54005
Ion Ratio Lower Upper
95 100
174 85.9 0.0 170.0
176 83.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY022753.D

Acq: 19 Jun 2025 14:11

Instrument :

MSVOA_Y

ClientSampleId :

GAV2B

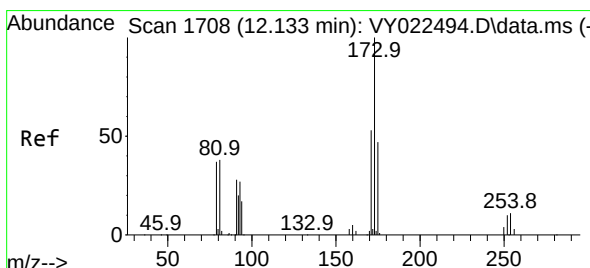
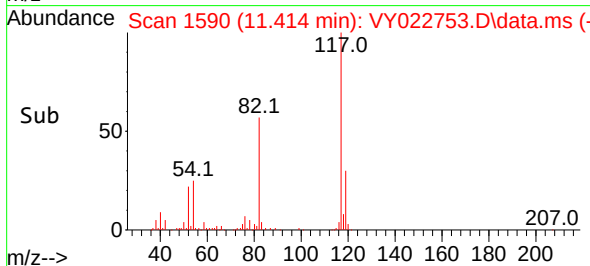
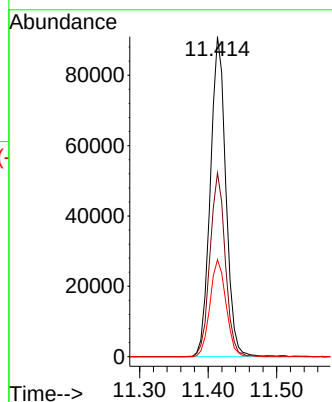
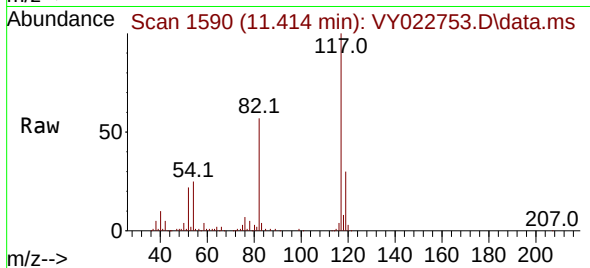
Tgt Ion:117 Resp: 143096

Ion Ratio Lower Upper

117 100

82 57.4 44.6 66.8

119 30.3 25.4 38.0



#71

Bromoform

Concen: 1.120 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.268 min

Lab File: VY022753.D

Acq: 19 Jun 2025 14:11

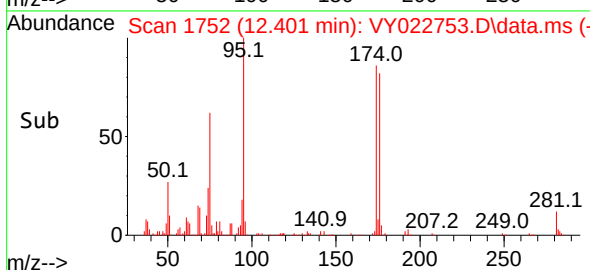
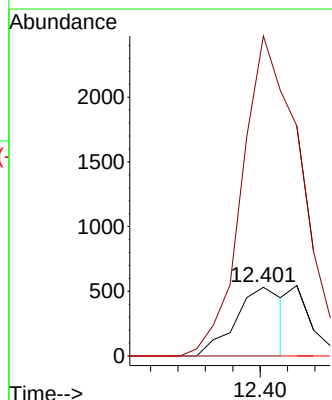
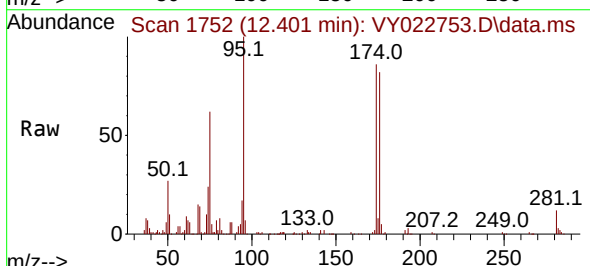
Tgt Ion:173 Resp: 636

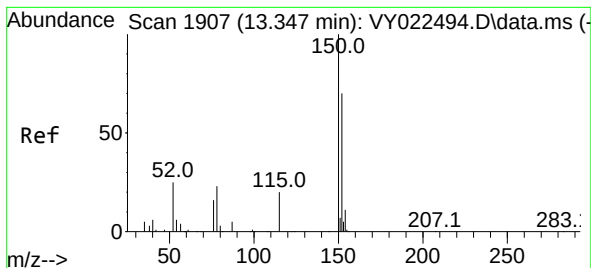
Ion Ratio Lower Upper

173 100

175 406.6 23.8 71.5#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022753.D

Acq: 19 Jun 2025 14:11

Instrument :

MSVOA_Y

ClientSampleId :

GAV2B

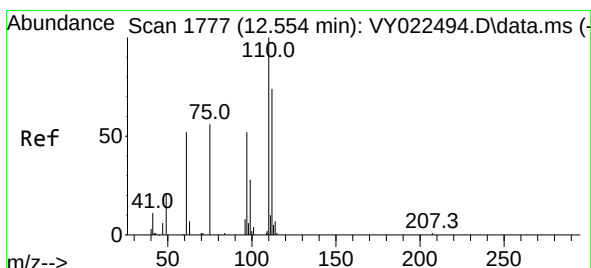
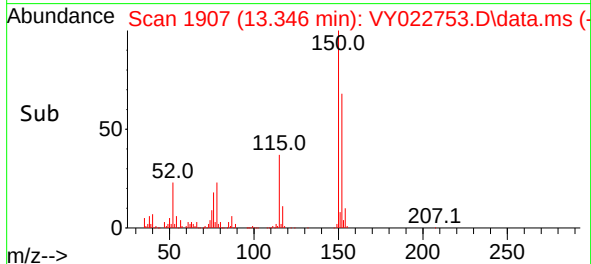
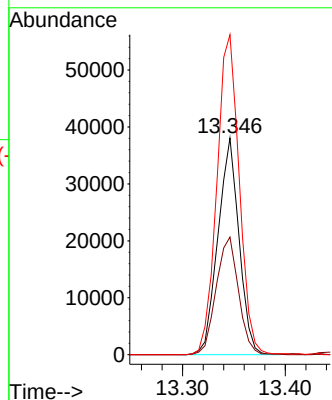
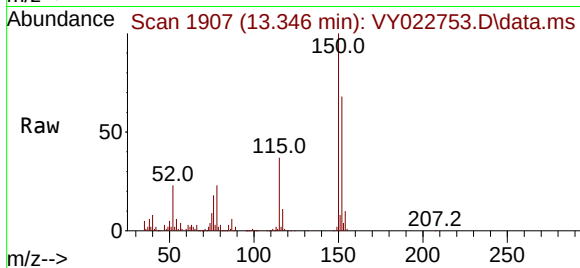
Tgt Ion:152 Resp: 54203

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 156.9 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 51.843 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022753.D

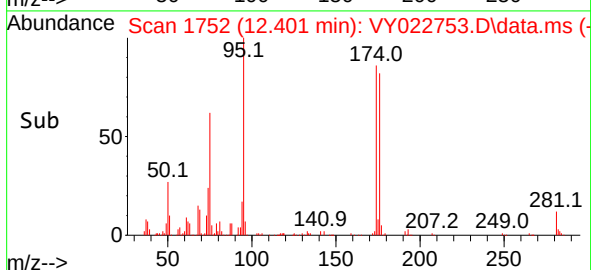
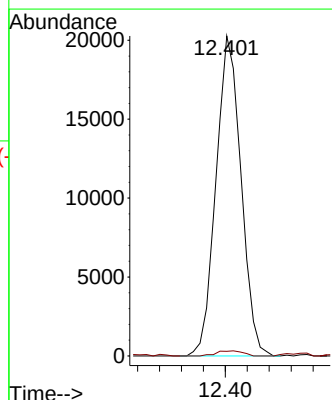
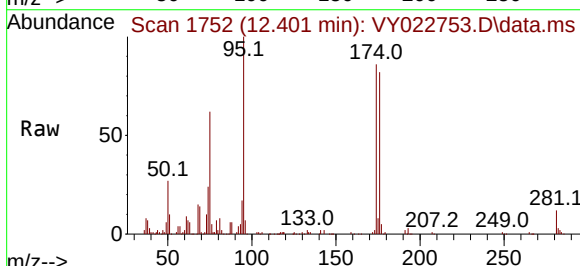
Acq: 19 Jun 2025 14:11

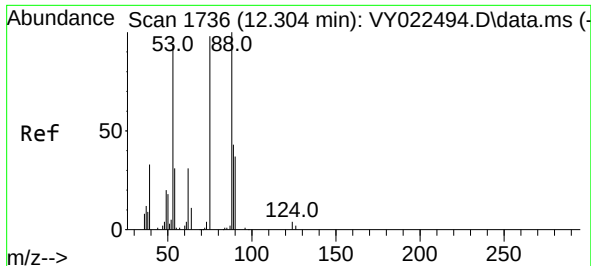
Tgt Ion: 75 Resp: 32148

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

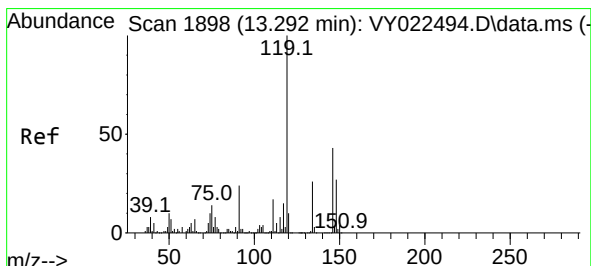
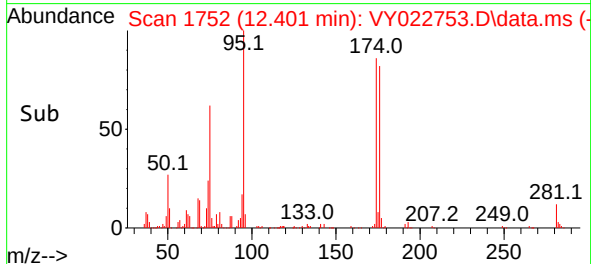
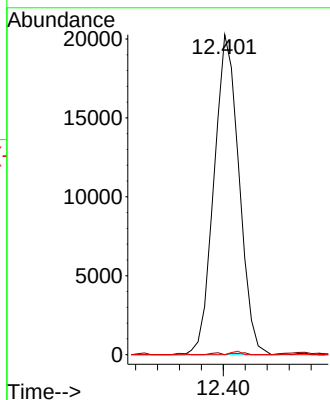
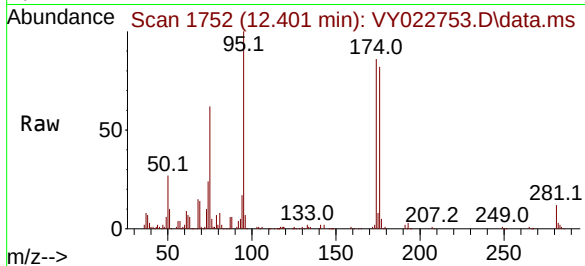




#81
trans-1,4-Dichloro-2-butene
Concen: 125.198 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Instrument :
MSVOA_Y
ClientSampleId :
GAV2B

Tgt Ion: 75 Resp: 32148
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.0 35.7 53.5#



#86
p-Isopropyltoluene
Concen: 1.515 ug/l
RT: 13.444 min Scan# 1923
Delta R.T. 0.152 min
Lab File: VY022753.D
Acq: 19 Jun 2025 14:11

Tgt Ion: 119 Resp: 5999
Ion Ratio Lower Upper
119 100
134 23.6 13.1 39.1
91 25.8 11.6 34.8

