

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022954.D
 Acq On : 07 Jul 2025 12:51
 Operator : SY/MD
 Sample : Q2515-01
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: Jul 08 01:46:11 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	294796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	548751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	560108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	267886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	181701	55.225	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.440%	
35) Dibromofluoromethane	7.634	113	178951	53.622	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.240%	
50) Toluene-d8	10.103	98	683593	51.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.240%	
62) 4-Bromofluorobenzene	12.401	95	264182	62.057	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 124.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	549	2.509	ug/l #	83
16) Acetone	3.866	43	5043	8.109	ug/l	92
20) Methylene Chloride	4.610	84	28767	7.325	ug/l	98
25) 2-Butanone	6.896	43	1180	1.304	ug/l #	46
31) Cyclohexane	7.701	56	7137	1.263	ug/l #	2
36) 1,1-Dichloropropene	7.707	75	25497	5.040	ug/l #	51
38) Carbon Tetrachloride	7.707	117	30202	5.659	ug/l #	17
49) 1,4-Dioxane	9.091	88	48	1.966	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.719	63	20	15.665	ug/l #	48
73) Isopropylbenzene	12.255	105	61838	3.121	ug/l #	64
76) 1,2,3-Trichloropropane	12.401	75	149644	54.717	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	149644	138.236	ug/l #	10
86) p-Isopropyltoluene	13.285	119	23917	1.354	ug/l #	74

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

Instrument :

MSVOA Y

ClientSampleId :

WC-1

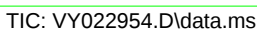
Quant Time: Jul 08 01:46:11 2025

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

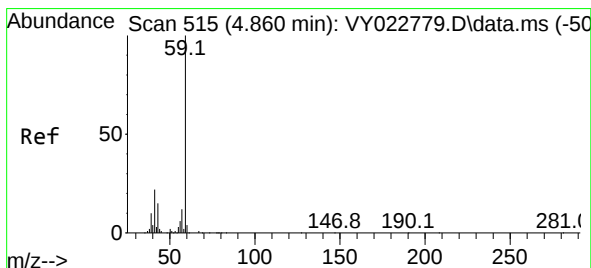
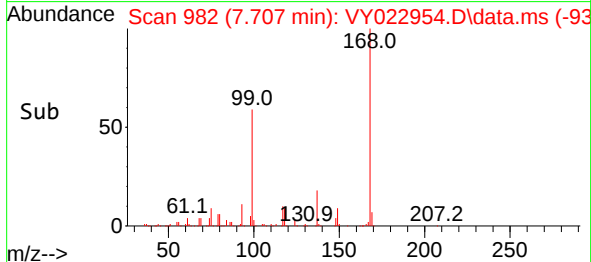
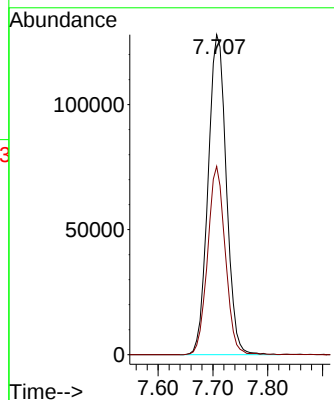
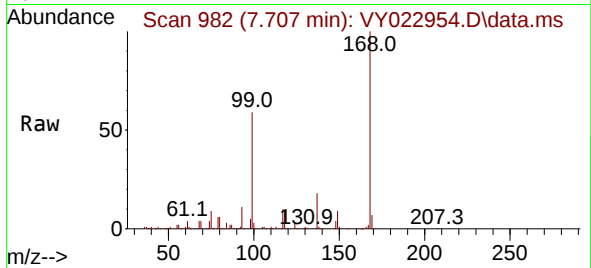




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

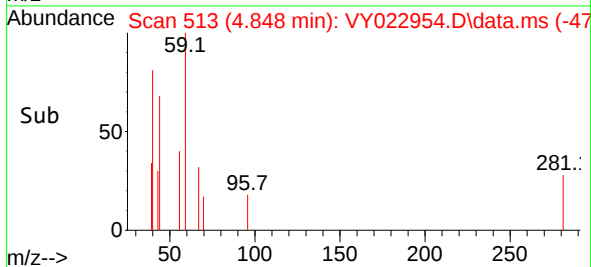
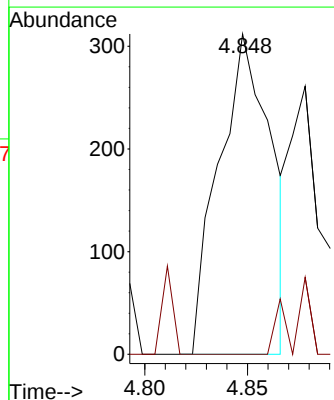
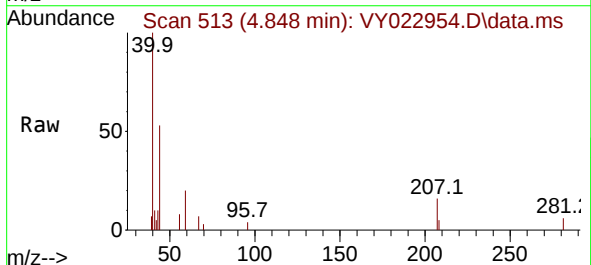
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

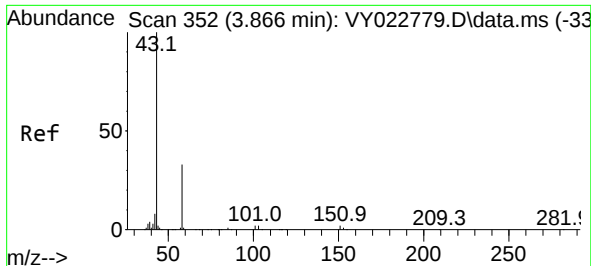
Tgt Ion:168 Resp: 294796
Ion Ratio Lower Upper
168 100
99 58.8 44.3 66.5



#11
Tert butyl alcohol
Concen: 2.509 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.037 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

Tgt Ion: 59 Resp: 549
Ion Ratio Lower Upper
59 100
57 3.6 8.0 12.0#

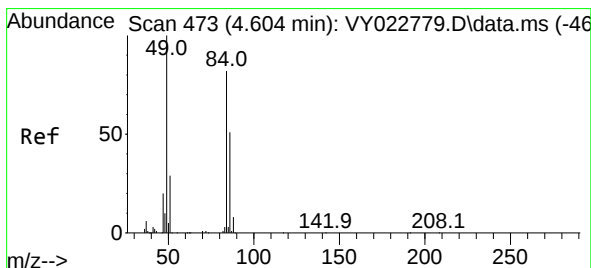
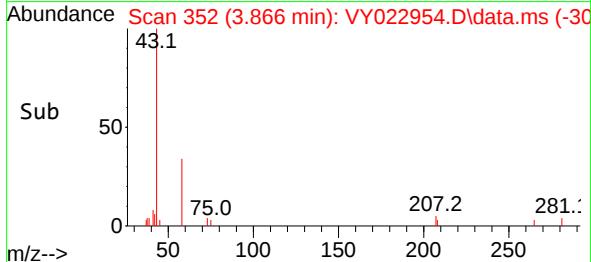
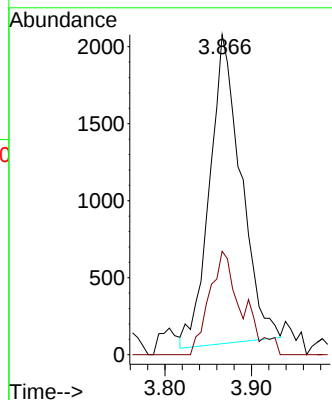
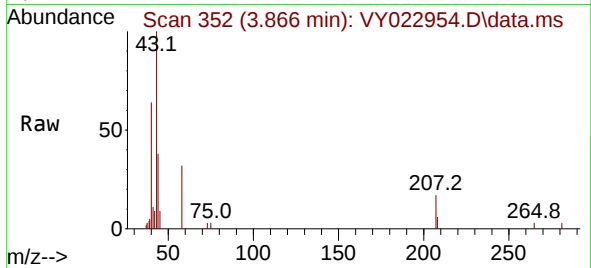




#16
Acetone
Concen: 8.109 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.013 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

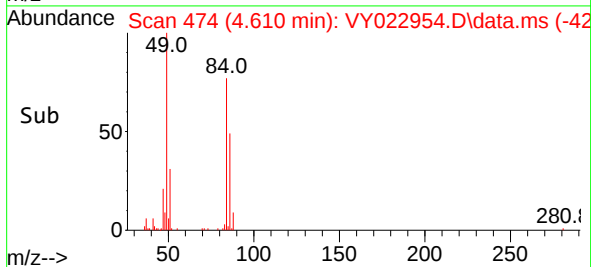
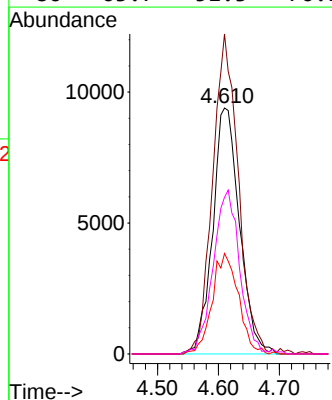
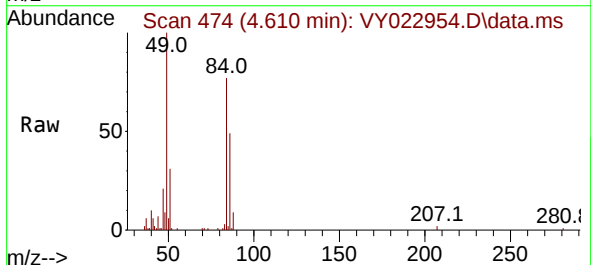
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

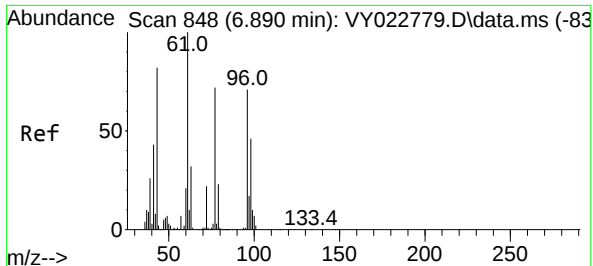
Tgt Ion: 43 Resp: 5043
Ion Ratio Lower Upper
43 100
58 34.1 24.0 36.0



#20
Methylene Chloride
Concen: 7.325 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.013 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

Tgt Ion: 84 Resp: 28767
Ion Ratio Lower Upper
84 100
49 130.1 101.9 152.9
51 40.9 29.8 44.8
86 63.7 51.3 76.9

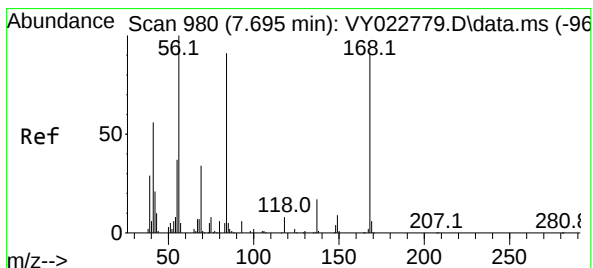
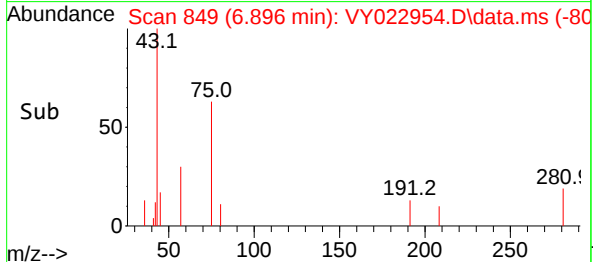
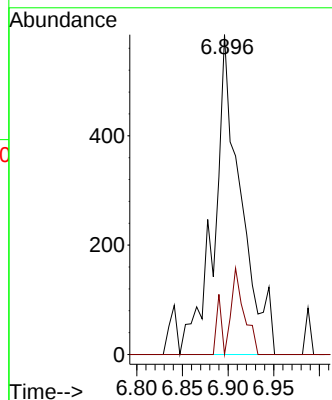
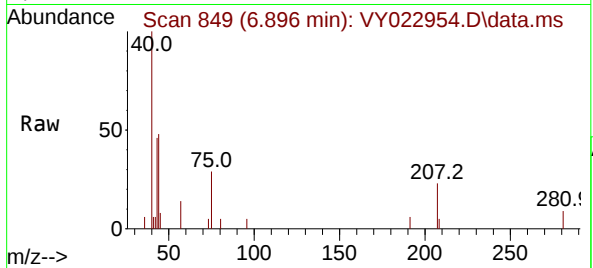




#25
2-Butanone
Concen: 1.304 ug/l
RT: 6.896 min Scan# 848
Delta R.T. -0.007 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

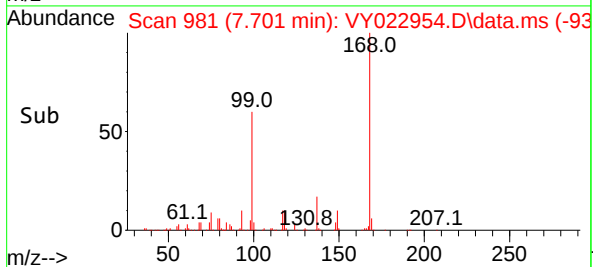
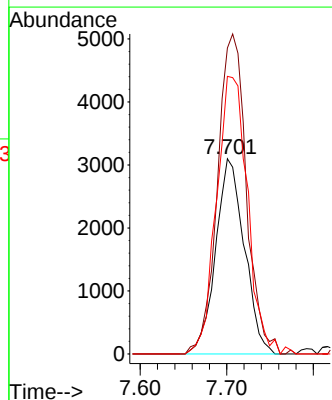
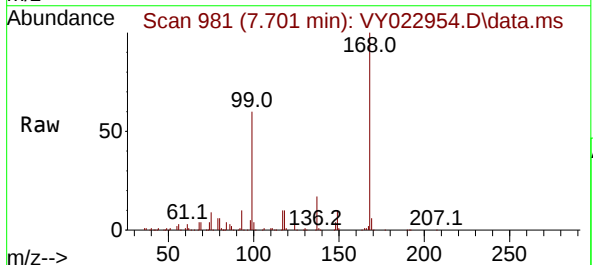
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

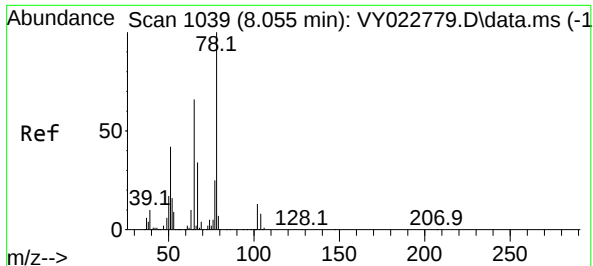
Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
72 0.0 22.9 34.3#



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.007 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

Tgt Ion: 56 Resp: 7137
Ion Ratio Lower Upper
56 100
69 156.7 27.0 40.6#
84 142.2 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 55.225 ug/l

RT: 8.060 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY022954.D

Acq: 07 Jul 2025 12:51

Instrument :

MSVOA_Y

ClientSampleId :

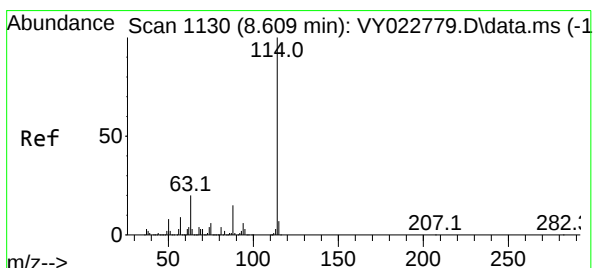
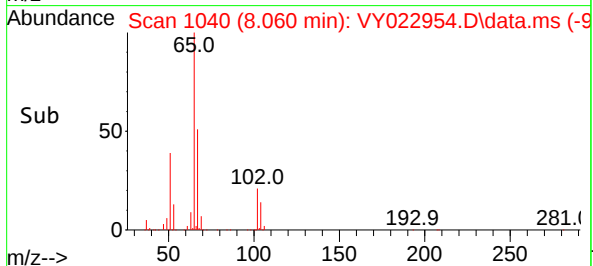
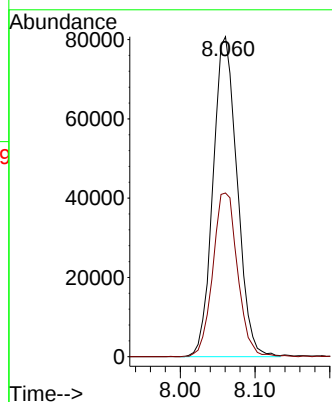
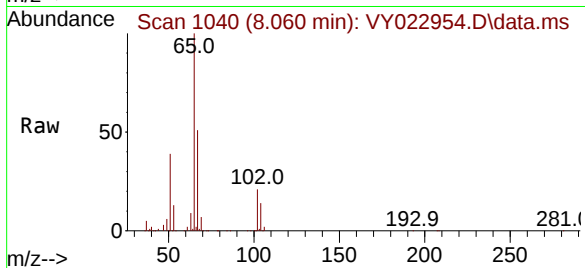
WC-1

Tgt Ion: 65 Resp: 181701

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.001 min

Lab File: VY022954.D

Acq: 07 Jul 2025 12:51

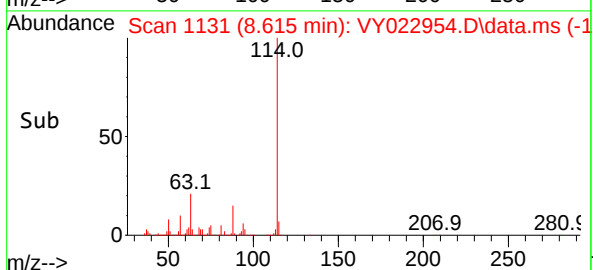
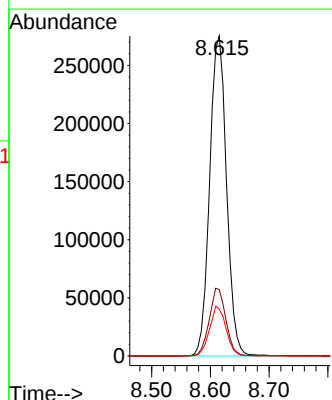
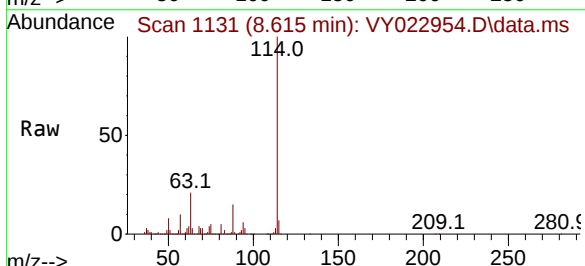
Tgt Ion: 114 Resp: 548751

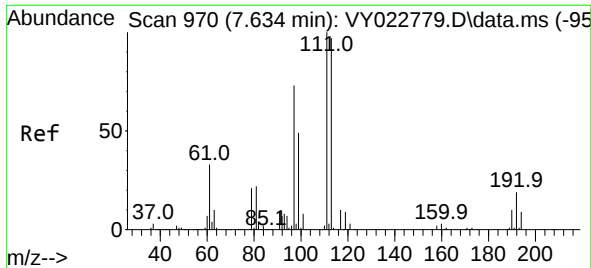
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 14.6 0.0 27.8

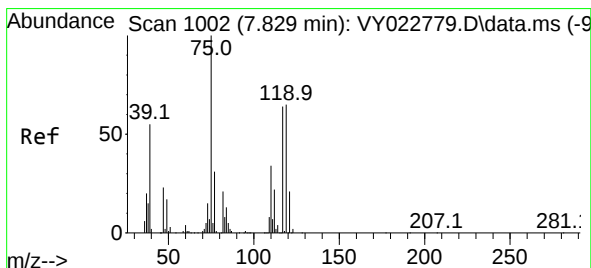
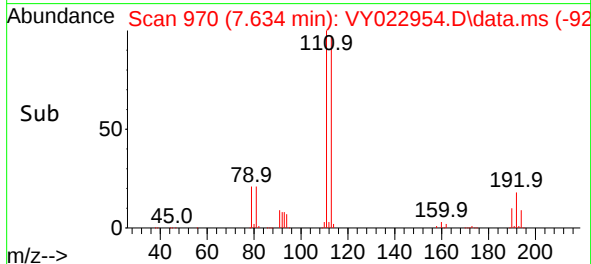
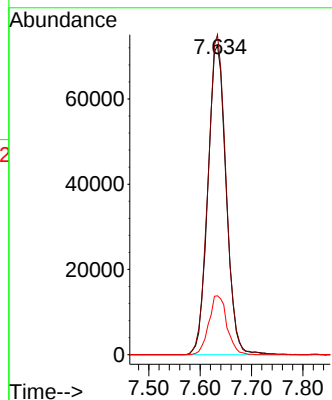
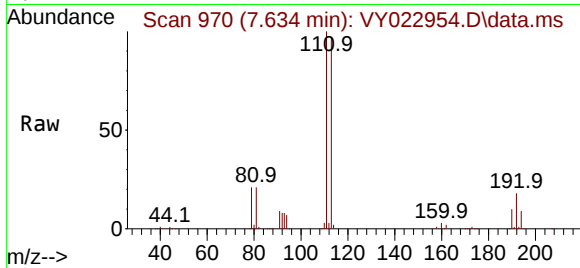




#35
Dibromofluoromethane
Concen: 53.622 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

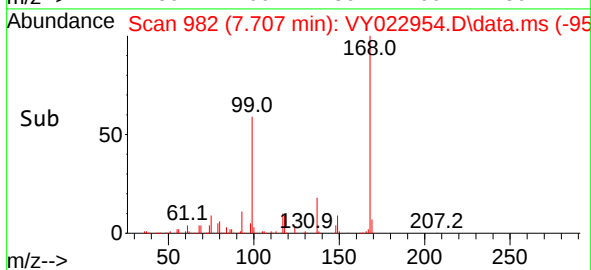
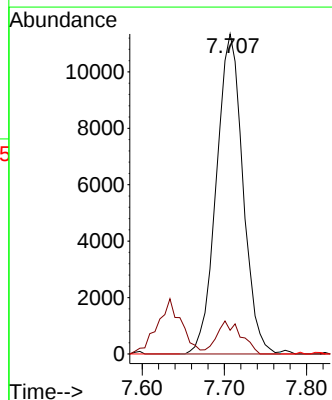
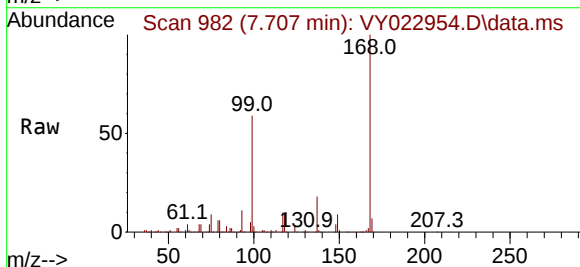
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

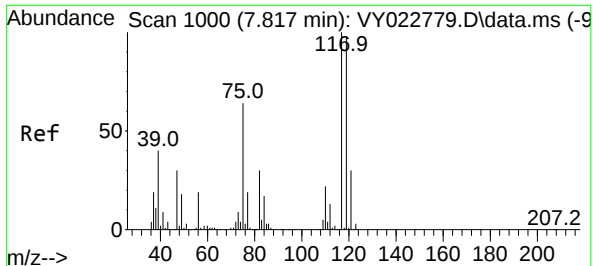
Tgt Ion:113 Resp: 178951
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 18.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.040 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.135 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

Tgt Ion: 75 Resp: 25497
Ion Ratio Lower Upper
75 100
110 9.5 16.9 50.7#
77 0.0 24.8 37.2#

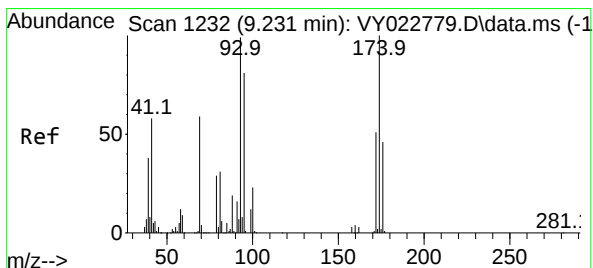
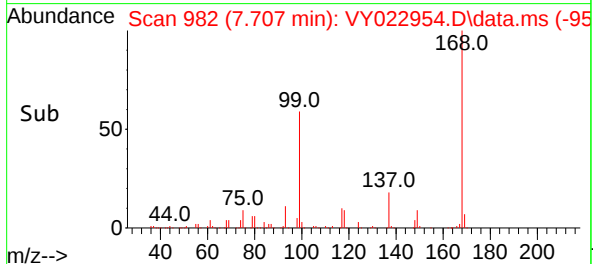
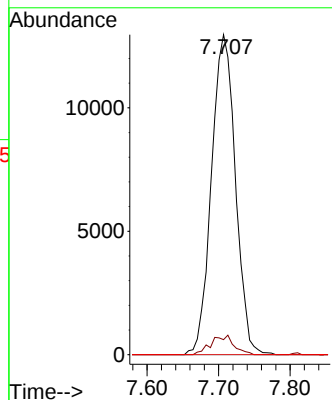
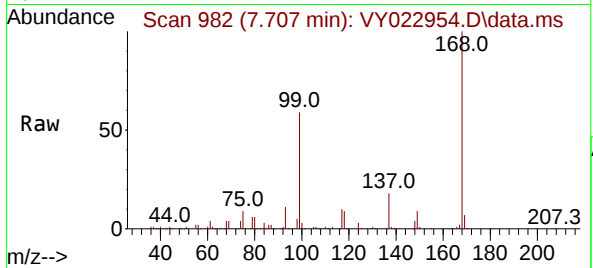




#38
Carbon Tetrachloride
Concen: 5.659 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

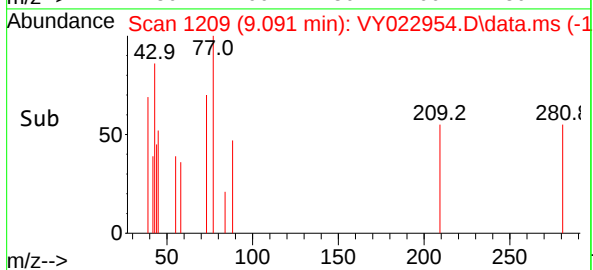
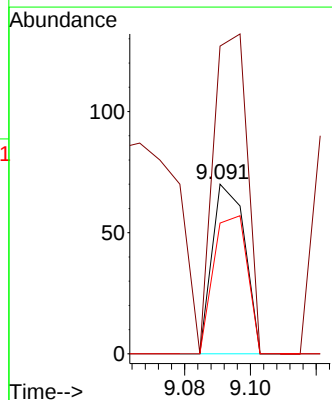
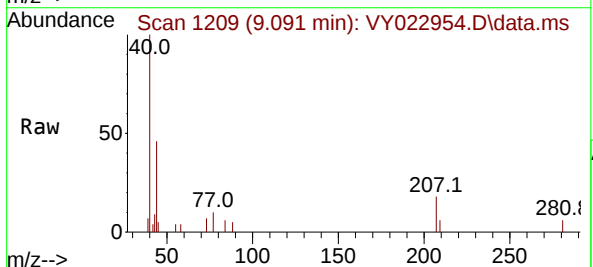
Instrument :
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WC-1

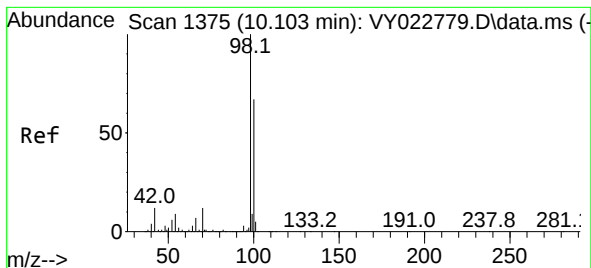
Tgt Ion:117 Resp: 30202
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.966 ug/l
RT: 9.091 min Scan# 1209
Delta R.T. -0.153 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 197.9 25.4 38.2#
58 85.4 54.9 82.3#





#50

Toluene-d8

Concen: 51.621 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.007 min

Lab File: VY022954.D

Acq: 07 Jul 2025 12:51

Instrument :

MSVOA_Y

ClientSampleId :

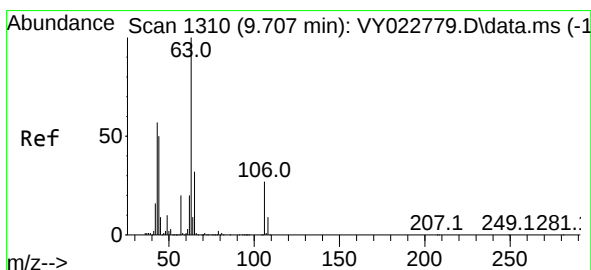
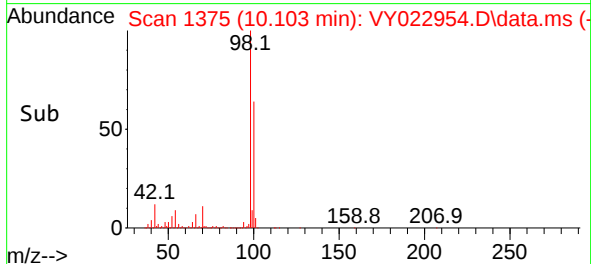
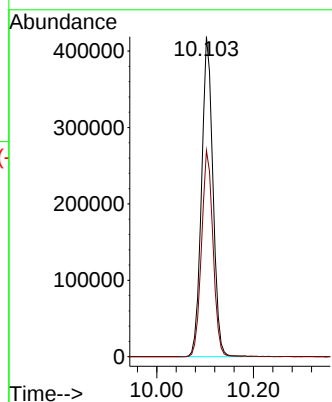
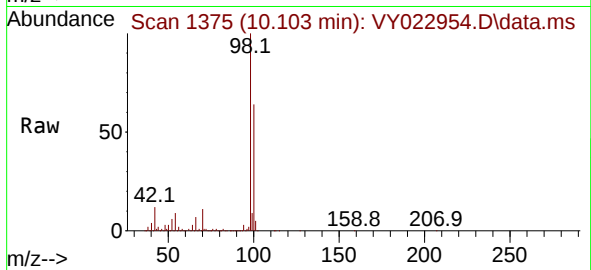
WC-1

Tgt Ion: 98 Resp: 683593

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0



#58

2-Chloroethyl Vinyl ether

Concen: 15.665 ug/l

RT: 9.719 min Scan# 1312

Delta R.T. 0.006 min

Lab File: VY022954.D

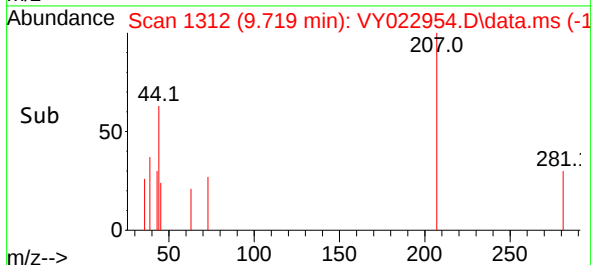
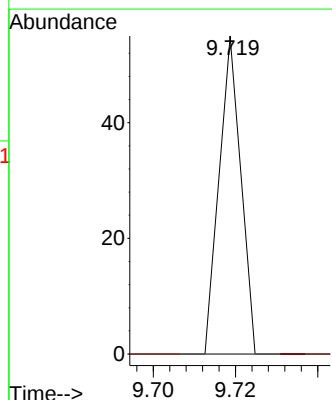
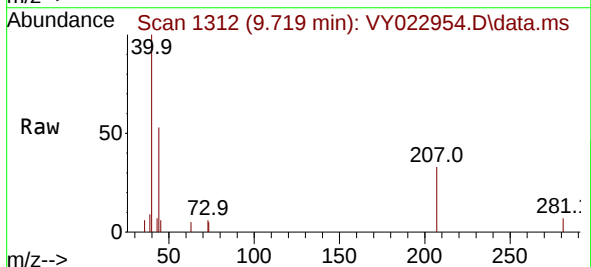
Acq: 07 Jul 2025 12:51

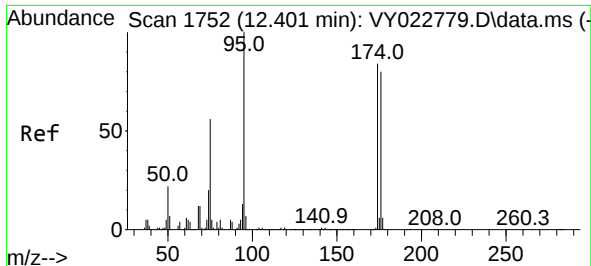
Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#

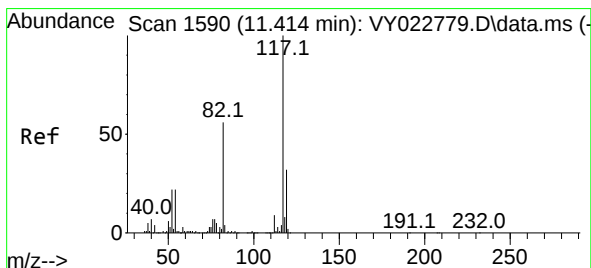
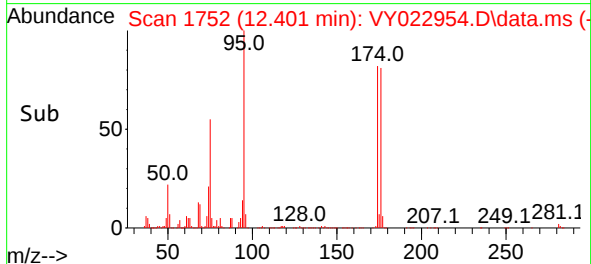
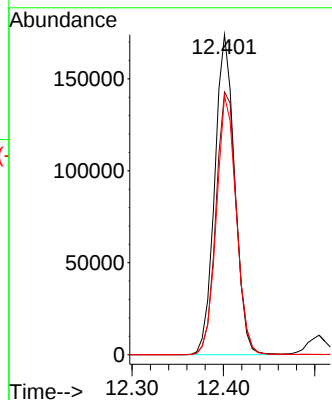
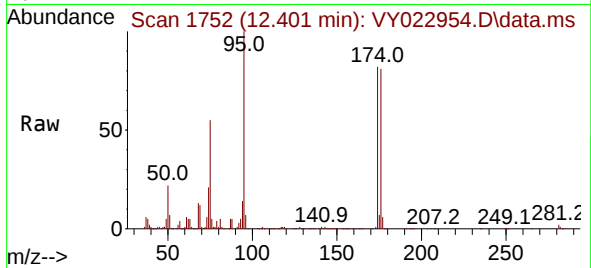




#62
4-Bromofluorobenzene
Concen: 62.057 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

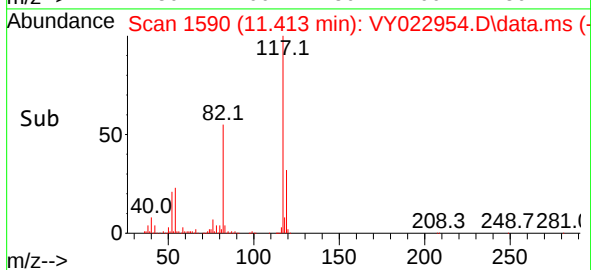
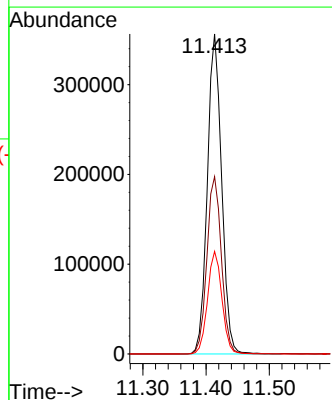
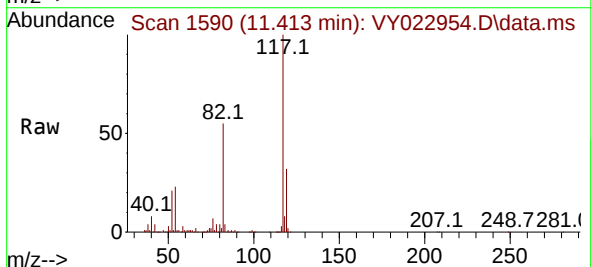
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

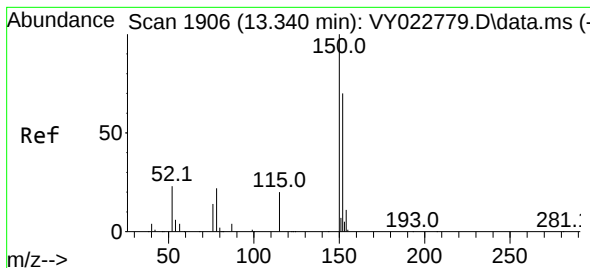
Tgt Ion: 95 Resp: 264182
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.0
176 80.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1590
Delta R.T. -0.007 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

Tgt Ion: 117 Resp: 560108
Ion Ratio Lower Upper
117 100
82 55.4 44.6 66.8
119 32.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.007 min

Lab File: VY022954.D

Acq: 07 Jul 2025 12:51

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

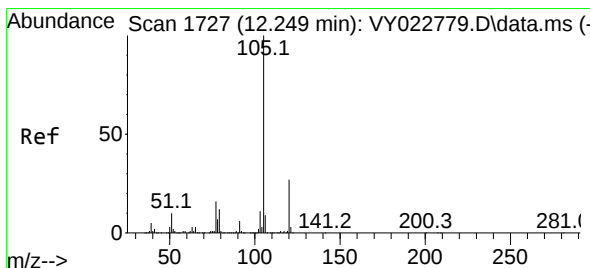
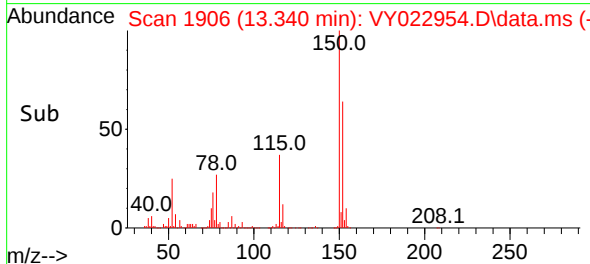
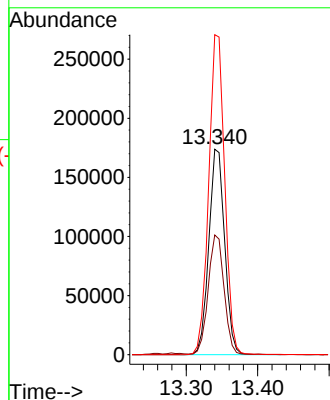
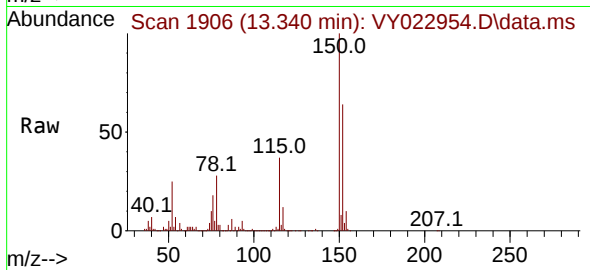
Tgt Ion:152 Resp: 267886

Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.7

150 156.9 0.0 349.6



#73

Isopropylbenzene

Concen: 3.121 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.001 min

Lab File: VY022954.D

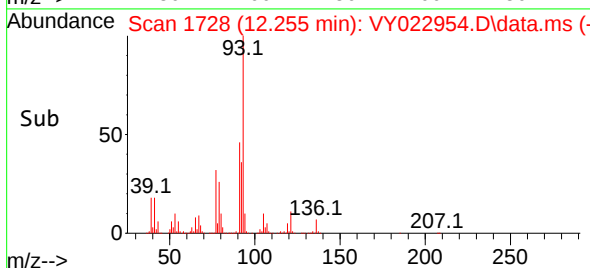
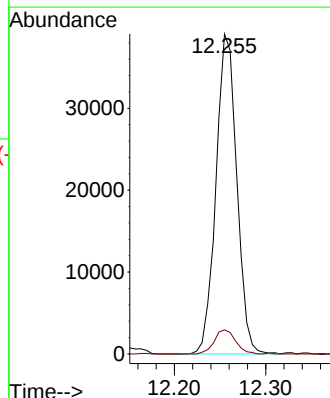
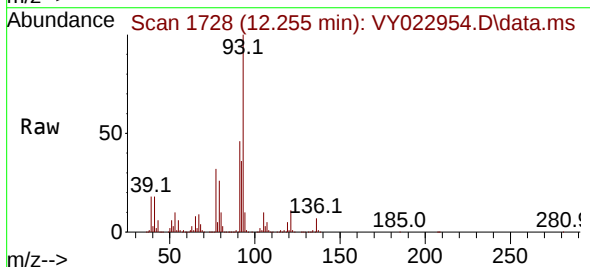
Acq: 07 Jul 2025 12:51

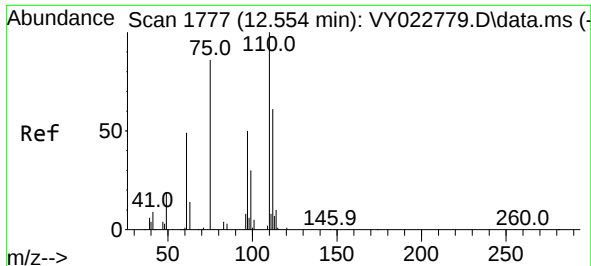
Tgt Ion:105 Resp: 61838

Ion Ratio Lower Upper

105 100

120 7.8 13.0 38.9#

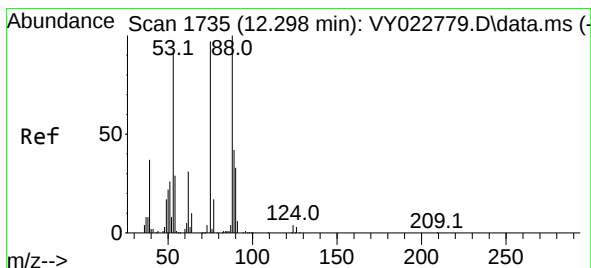
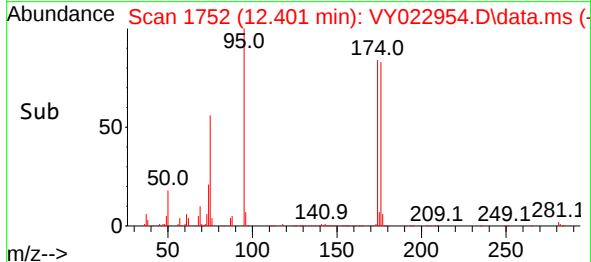
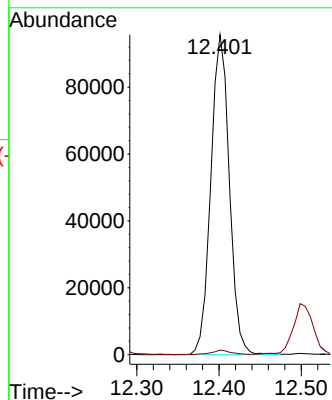
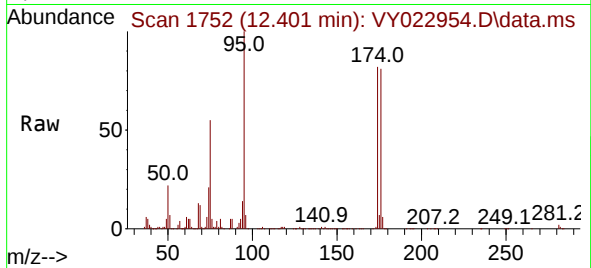




#76
1,2,3-Trichloropropane
Concen: 54.717 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

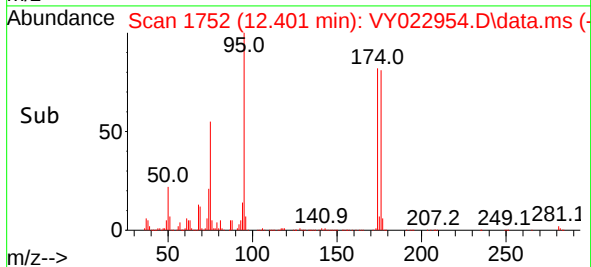
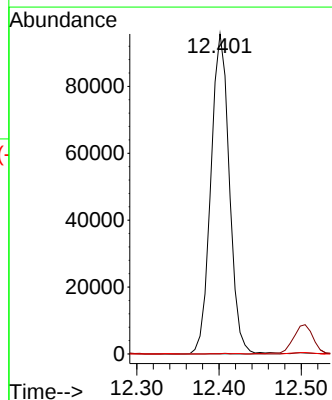
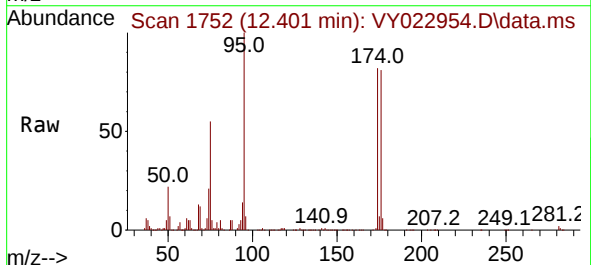
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

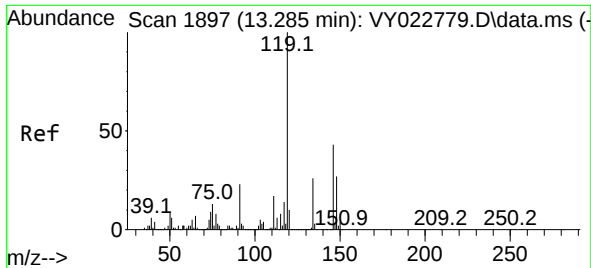
Tgt Ion: 75 Resp: 149644
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 138.236 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022954.D
Acq: 07 Jul 2025 12:51

Tgt Ion: 75 Resp: 149644
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#





#86
 p-Isopropyltoluene
 Concen: 1.354 ug/l
 RT: 13.285 min Scan# 11
 Delta R.T. -0.007 min
 Lab File: VY022954.D
 Acq: 07 Jul 2025 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Tgt Ion:119 Resp: 23917
 Ion Ratio Lower Upper
 119 100
 134 29.6 13.1 39.1
 91 0.0 11.6 34.8#

