

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022892.D
 Acq On : 01 Jul 2025 11:05
 Operator : SY/MD
 Sample : VY0701SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0701SBL01

Quant Time: Jul 02 02:43:05 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)

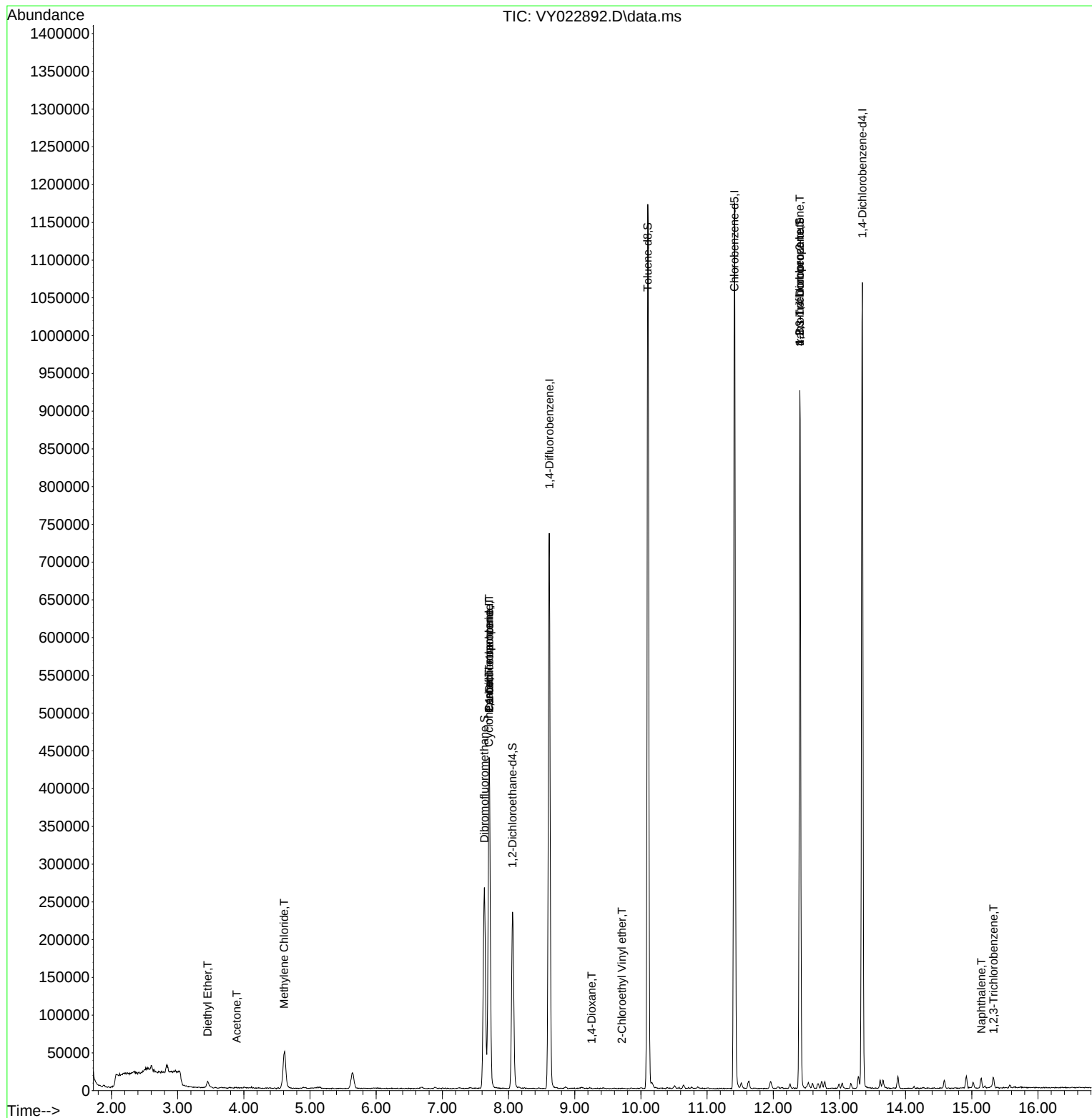
Internal Standards						
1) Pentafluorobenzene	7.707	168	323968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	617486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	600262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	258497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	188872	52.235	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.480%	
35) Dibromofluoromethane	7.634	113	189629	50.497	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.000%	
50) Toluene-d8	10.103	98	751174	50.410	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.401	95	266412	55.615	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.220%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.452	74	4763	2.635	ug/l	95
16) Acetone	3.891	43	1376	2.013	ug/l #	67
20) Methylene Chloride	4.610	84	34947	8.097	ug/l	93
31) Cyclohexane	7.701	56	7882	1.269	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	28638	5.031	ug/l #	50
38) Carbon Tetrachloride	7.707	117	33882	5.641	ug/l #	15
49) 1,4-Dioxane	9.256	88	34	1.238	ug/l #	24
58) 2-Chloroethyl Vinyl ether	9.713	63	291	15.783	ug/l #	78
76) 1,2,3-Trichloropropane	12.401	75	150480	57.021	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	150480	144.057	ug/l #	10
95) Naphthalene	15.145	128	10165	1.298	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	4373	1.169	ug/l	98

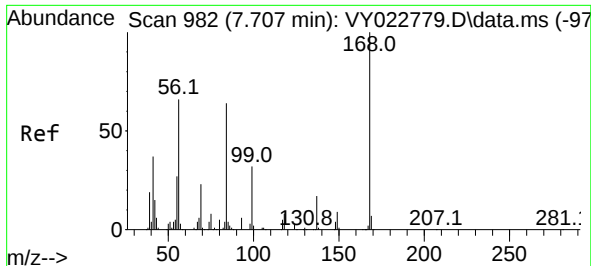
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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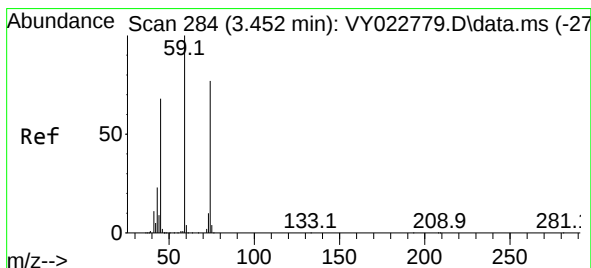
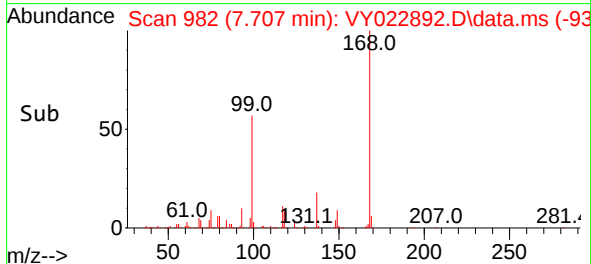
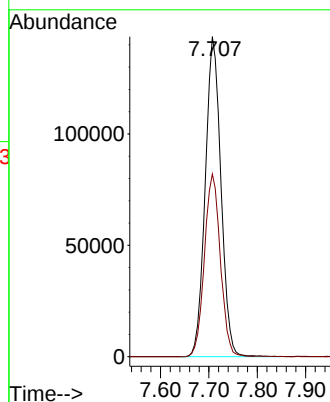
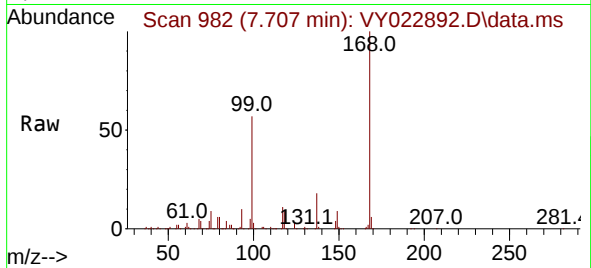




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

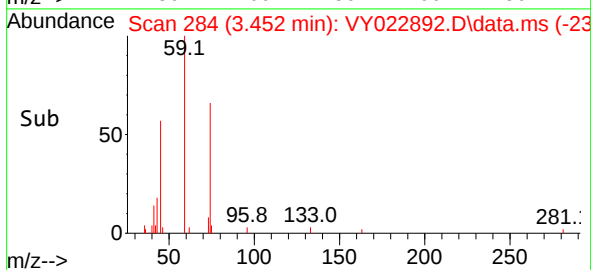
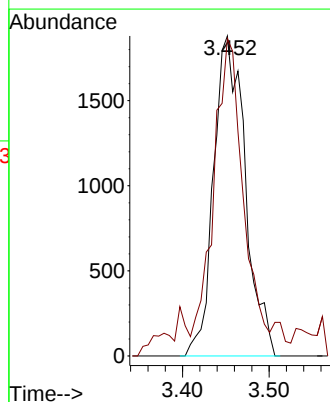
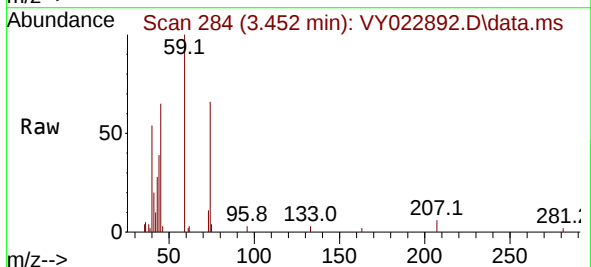
Instrument :
MSVOA_Y
ClientSampleId :
VY0701SBL01

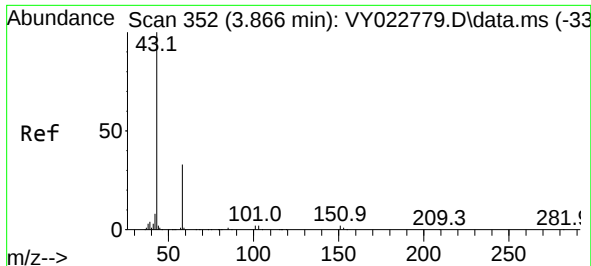
Tgt Ion:168 Resp: 323968
Ion Ratio Lower Upper
168 100
99 57.1 44.3 66.5



#8
Diethyl Ether
Concen: 2.635 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.012 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

Tgt Ion: 74 Resp: 4763
Ion Ratio Lower Upper
74 100
45 86.7 45.9 137.6

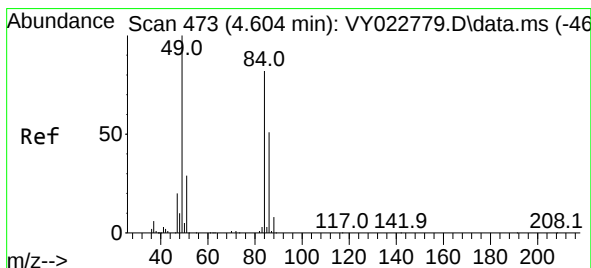
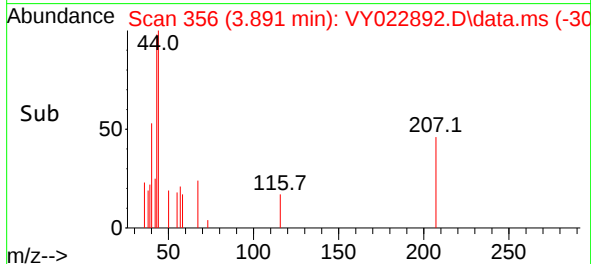
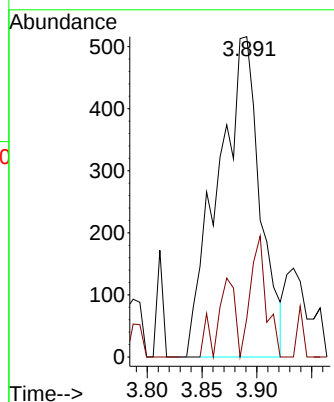
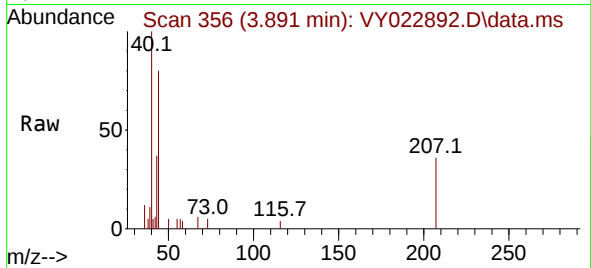




#16
Acetone
Concen: 2.013 ug/l
RT: 3.891 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

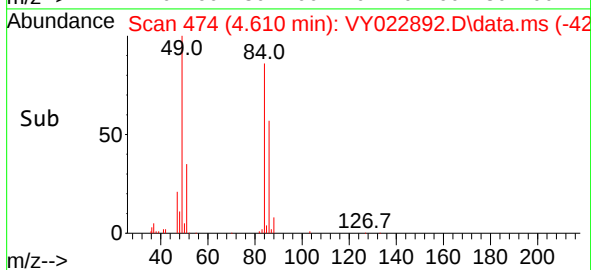
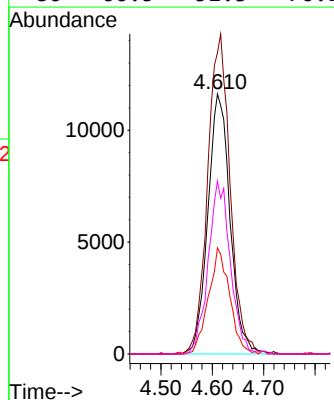
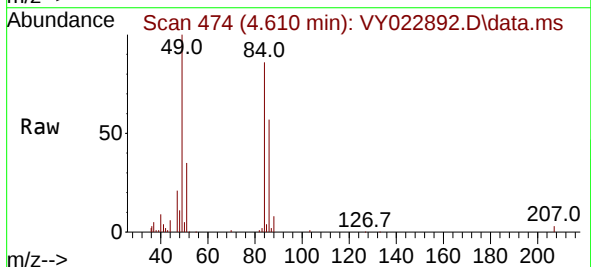
Instrument :
MSVOA_Y
ClientSampleId :
VY0701SBL01

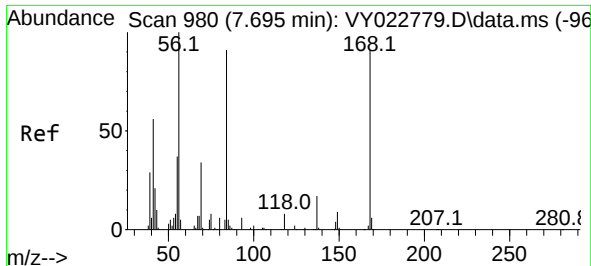
Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
58 12.0 24.0 36.0#



#20
Methylene Chloride
Concen: 8.097 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

Tgt Ion: 84 Resp: 34947
Ion Ratio Lower Upper
84 100
49 115.8 101.9 152.9
51 40.8 29.8 44.8
86 66.5 51.3 76.9

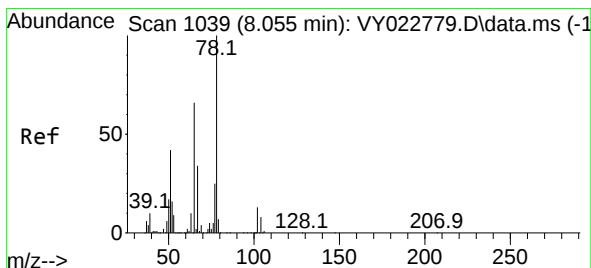
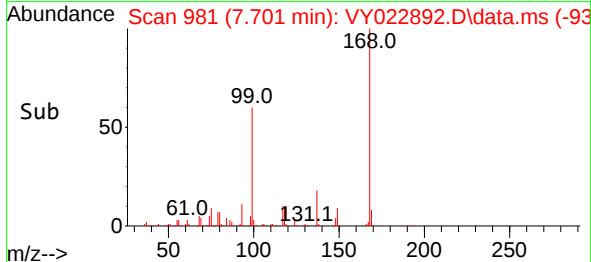
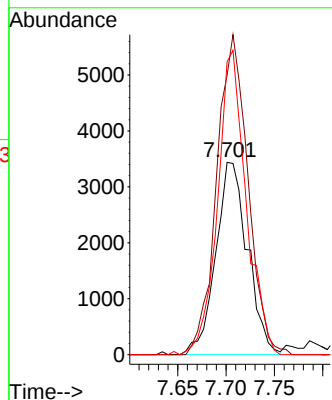
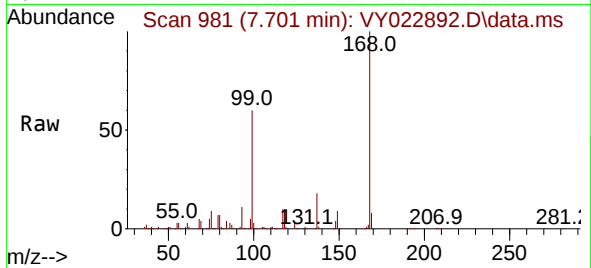




#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

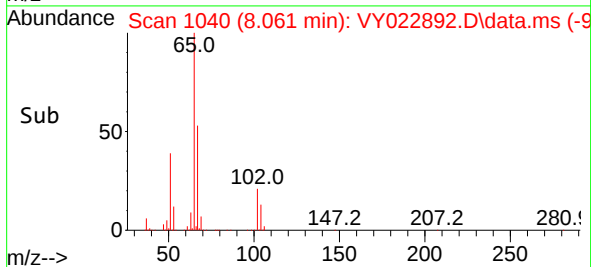
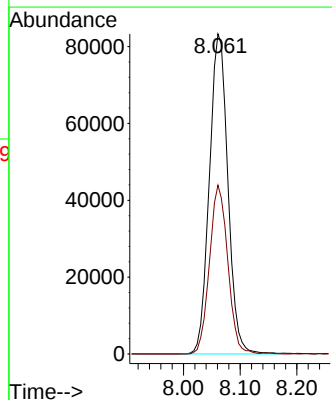
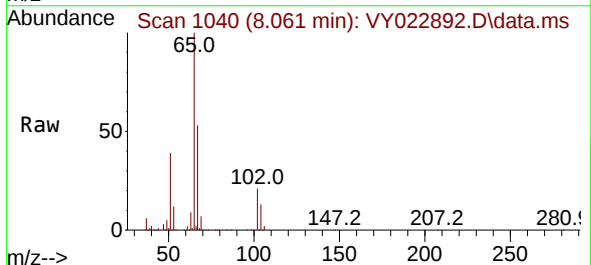
Instrument :
MSVOA_Y
ClientSampleId :
VY0701SBL01

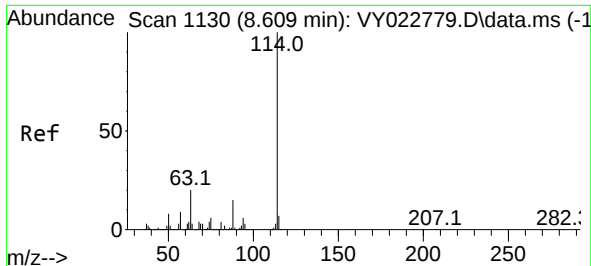
Tgt Ion: 56 Resp: 7882
Ion Ratio Lower Upper
56 100
69 145.2 27.0 40.6#
84 152.2 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 52.235 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

Tgt Ion: 65 Resp: 188872
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

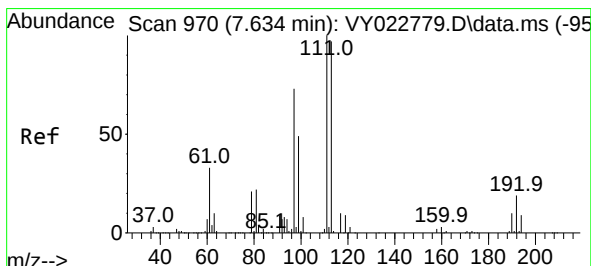
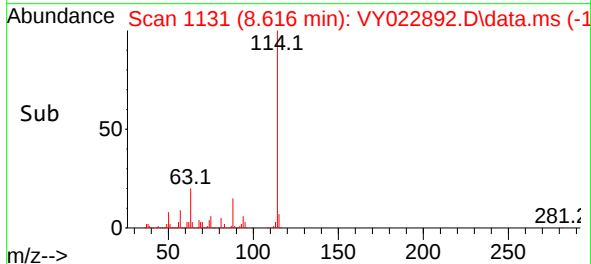
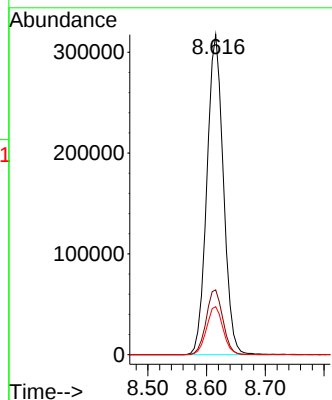
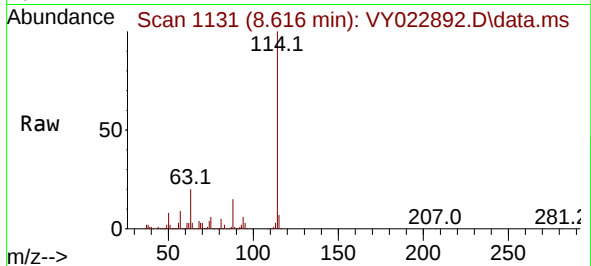




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

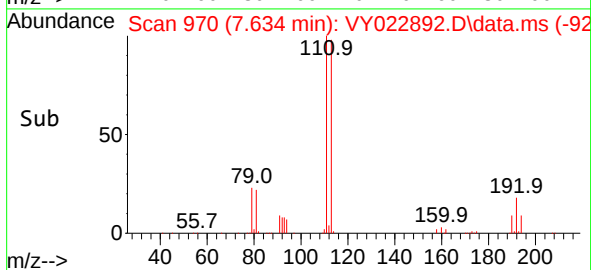
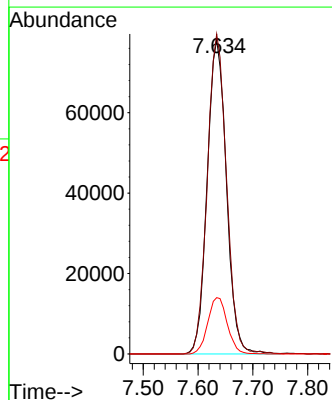
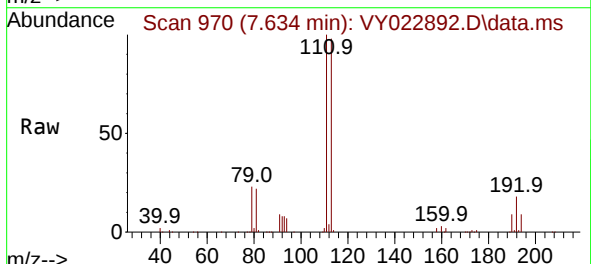
Instrument :
MSVOA_Y
ClientSampleId :
VY0701SBL01

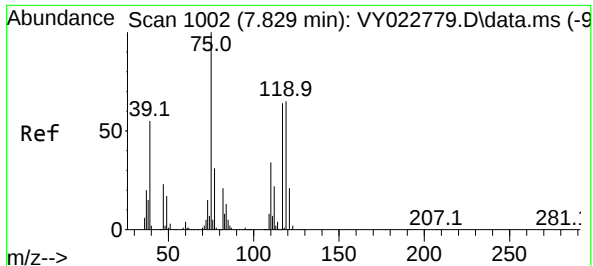
Tgt Ion:114 Resp: 617486
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 15.0 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.497 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

Tgt Ion:113 Resp: 189629
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 18.2 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.031 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022892.D

Acq: 01 Jul 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0701SBL01

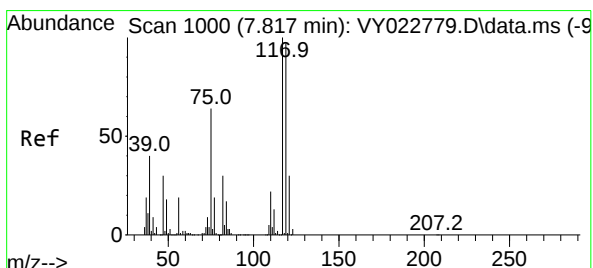
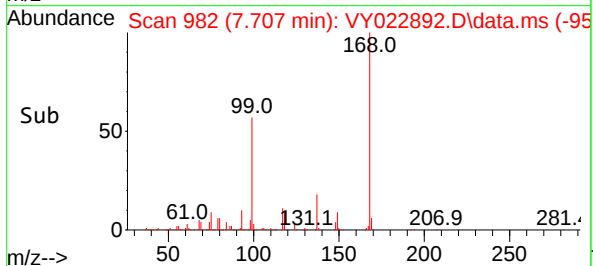
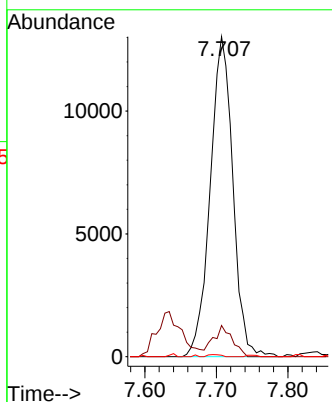
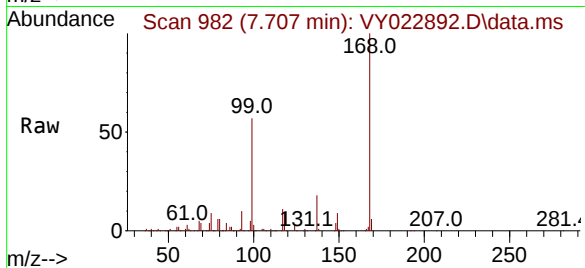
Tgt Ion: 75 Resp: 28638

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.7#

77 0.4 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.641 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022892.D

Acq: 01 Jul 2025 11:05

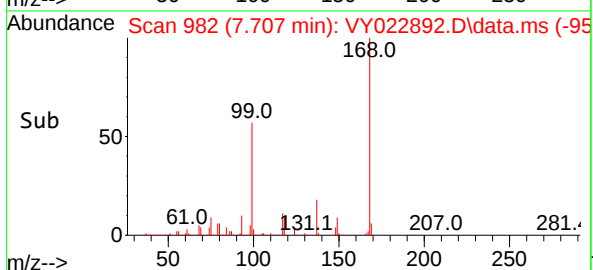
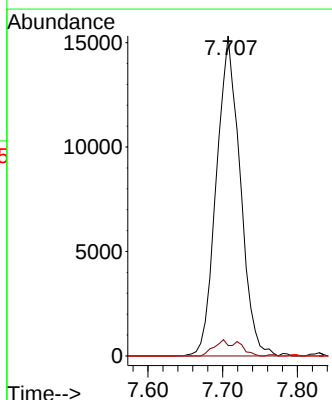
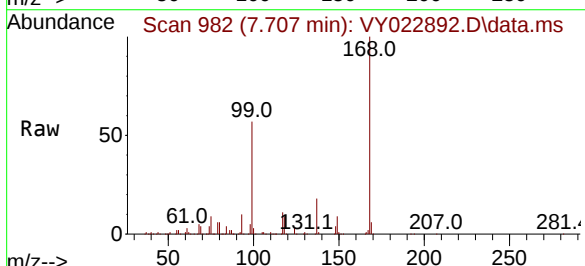
Tgt Ion: 117 Resp: 33882

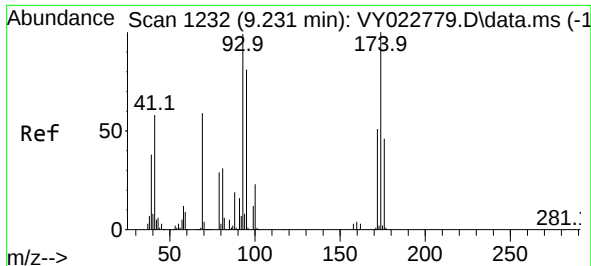
Ion Ratio Lower Upper

117 100

119 3.2 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 1.238 ug/l

RT: 9.256 min Scan# 1236

Delta R.T. 0.012 min

Lab File: VY022892.D

Acq: 01 Jul 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0701SBL01

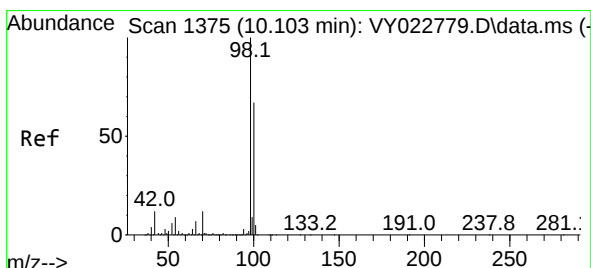
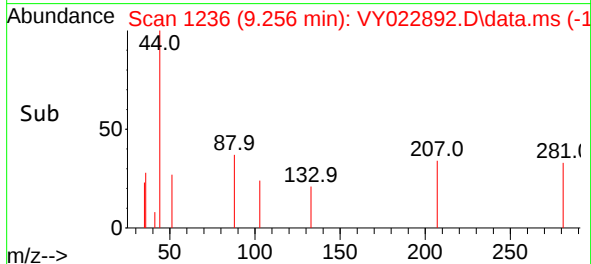
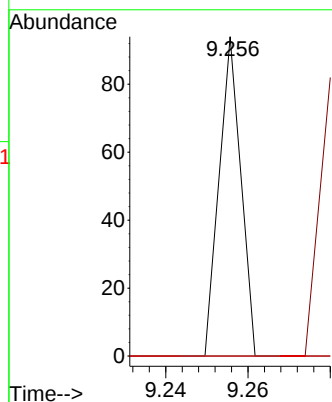
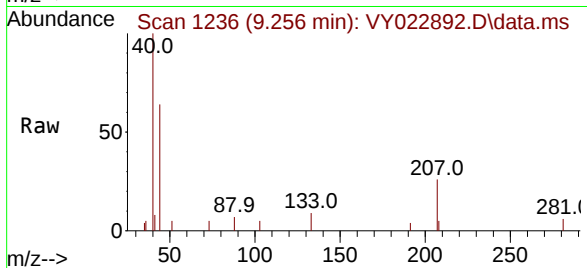
Tgt Ion: 88 Resp: 34

Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 50.410 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022892.D

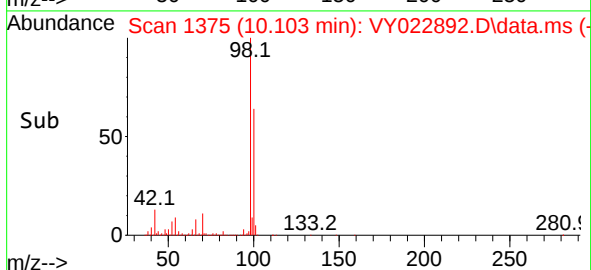
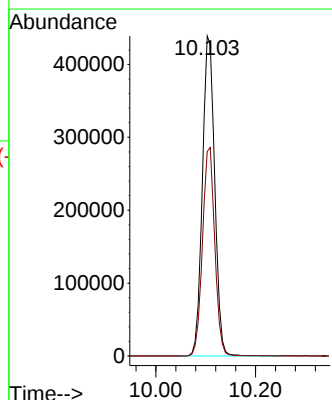
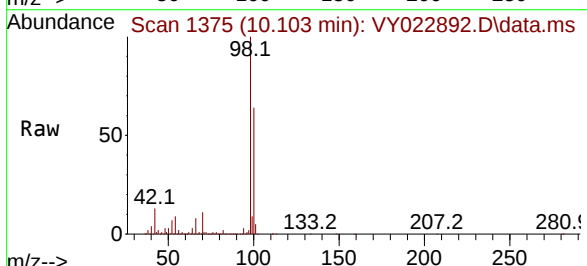
Acq: 01 Jul 2025 11:05

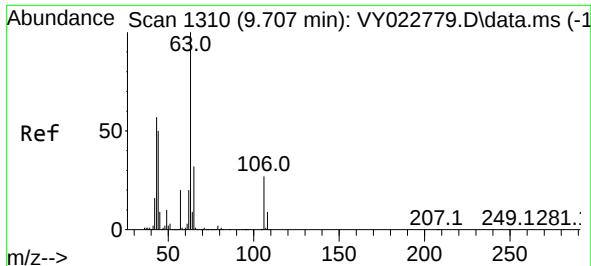
Tgt Ion: 98 Resp: 751174

Ion Ratio Lower Upper

98 100

100 65.0 51.4 77.0





#58

2-Chloroethyl Vinyl ether

Concen: 15.783 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY022892.D

Acq: 01 Jul 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

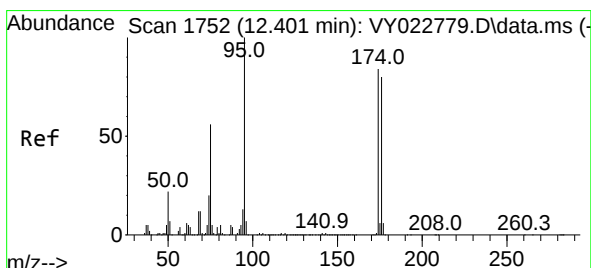
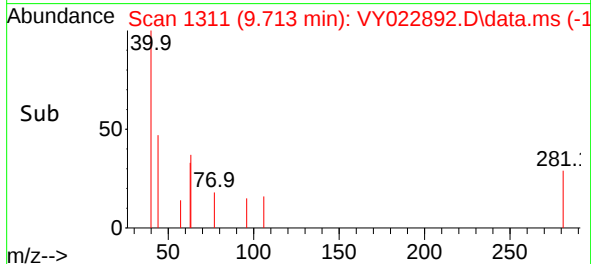
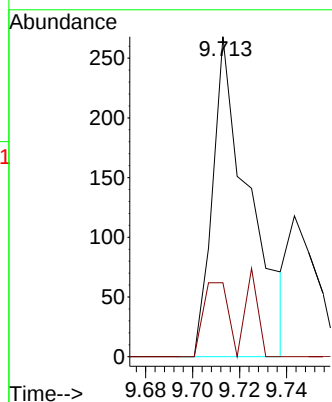
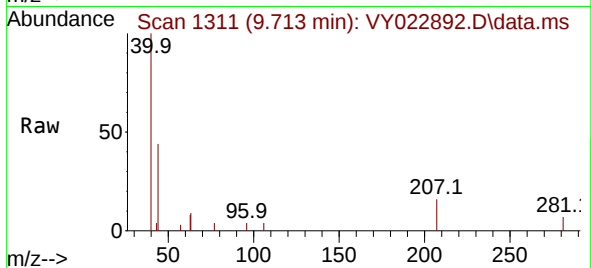
VY0701SBL01

Tgt Ion: 63 Resp: 291

Ion Ratio Lower Upper

63 100

106 15.5 21.6 32.4#



#62

4-Bromofluorobenzene

Concen: 55.615 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022892.D

Acq: 01 Jul 2025 11:05

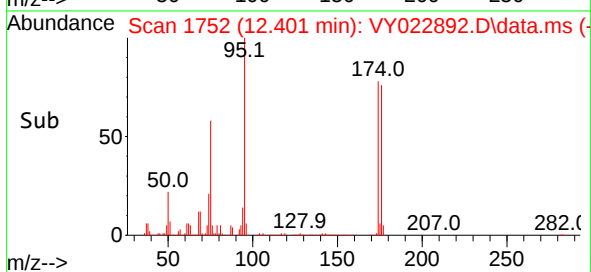
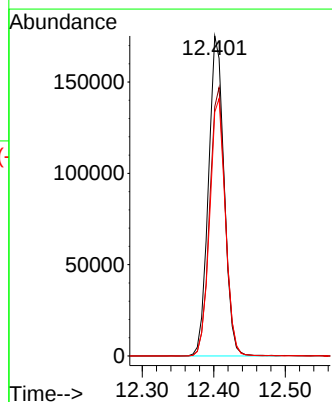
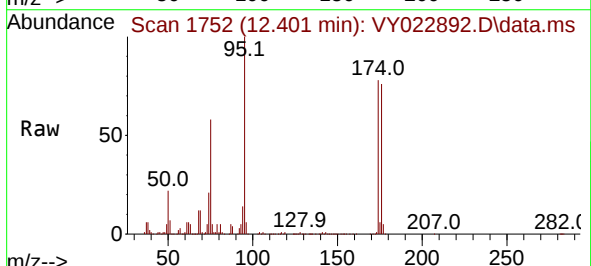
Tgt Ion: 95 Resp: 266412

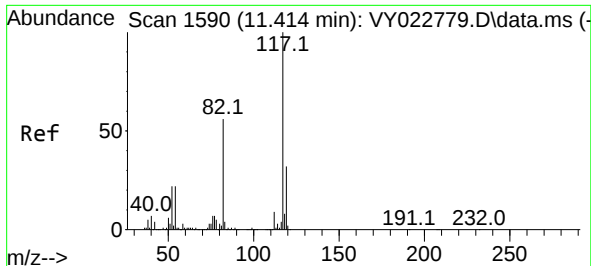
Ion Ratio Lower Upper

95 100

174 83.6 0.0 170.0

176 80.6 0.0 166.2

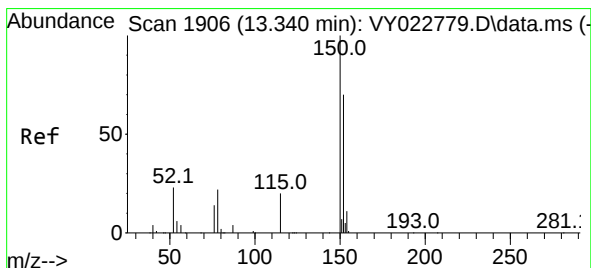
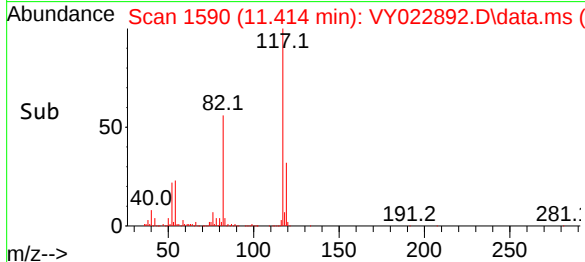
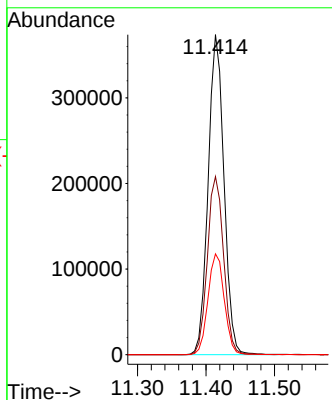
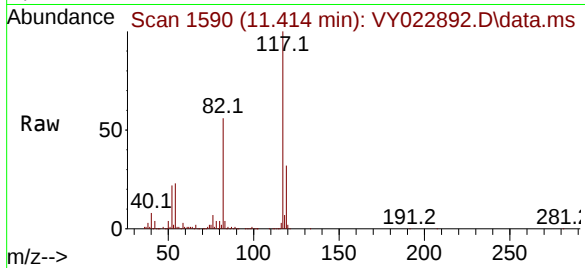




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

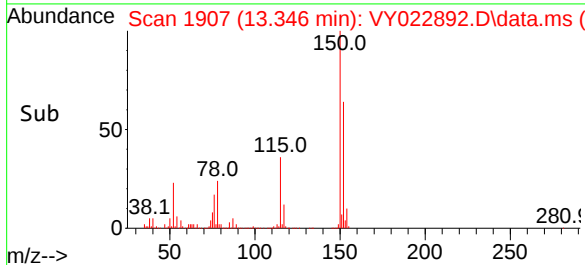
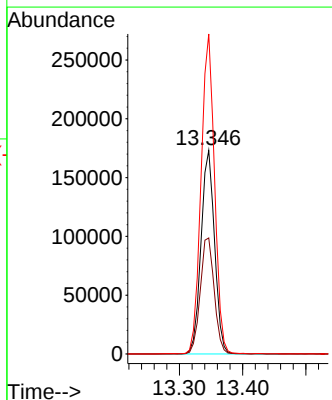
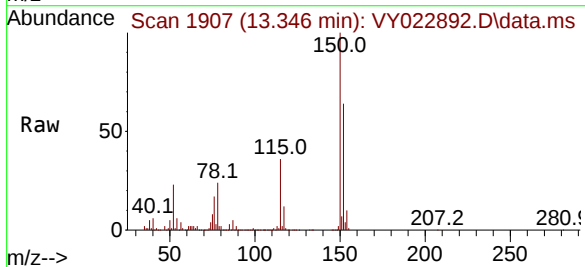
Instrument :
MSVOA_Y
ClientSampleId :
VY0701SBL01

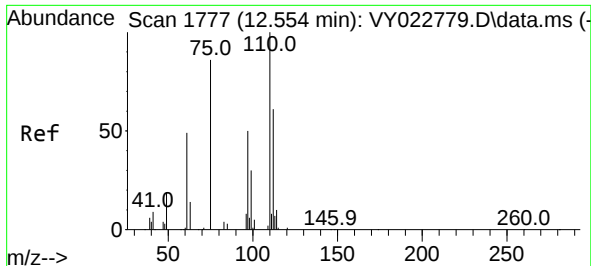
Tgt Ion:117 Resp: 600262
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

Tgt Ion:152 Resp: 258497
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.7
150 156.2 0.0 349.6

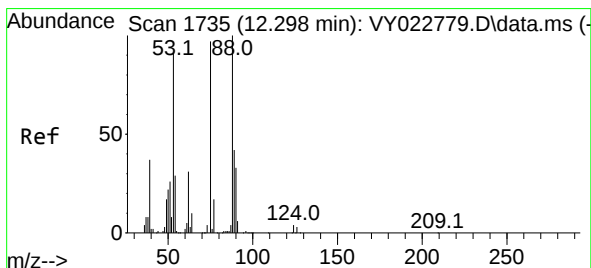
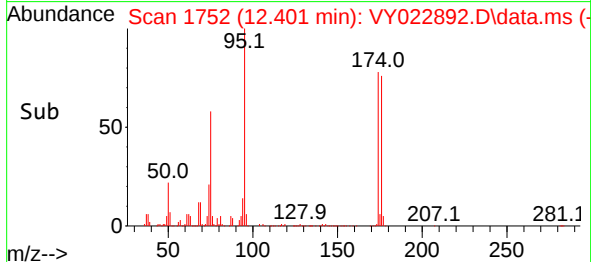
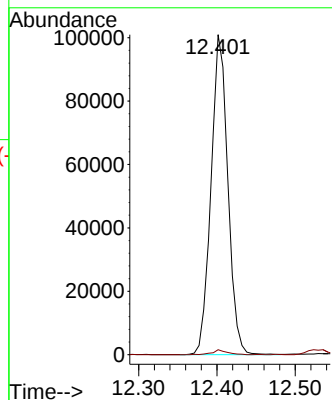
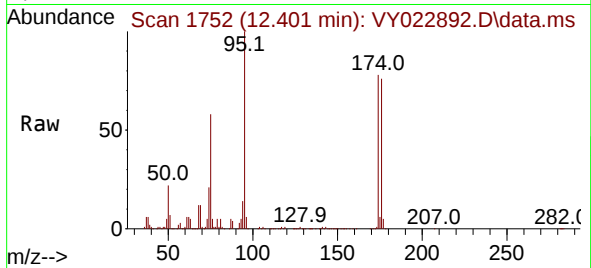




#76
1,2,3-Trichloropropane
Concen: 57.021 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

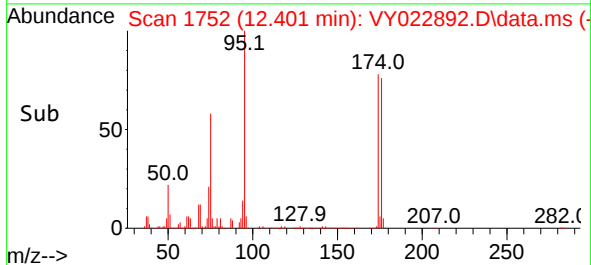
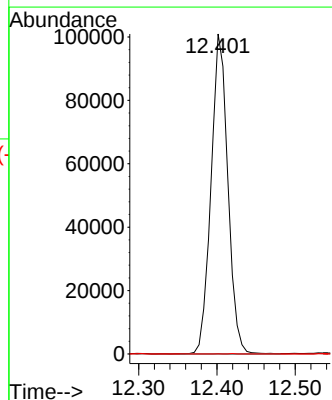
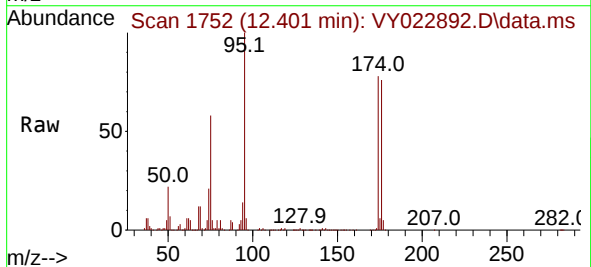
Instrument :
MSVOA_Y
ClientSampleId :
VY0701SBL01

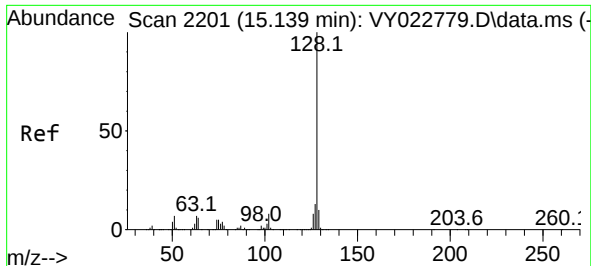
Tgt Ion: 75 Resp: 150480
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.057 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

Tgt Ion: 75 Resp: 150480
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

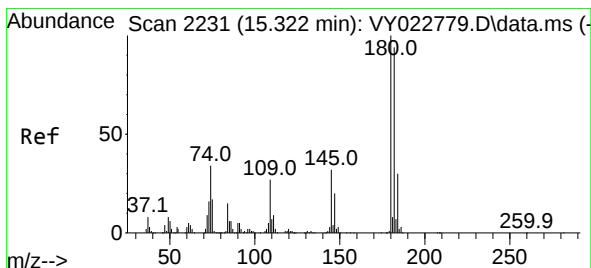
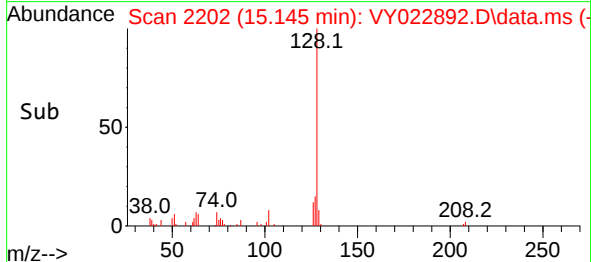
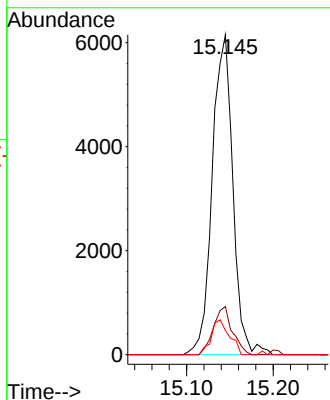
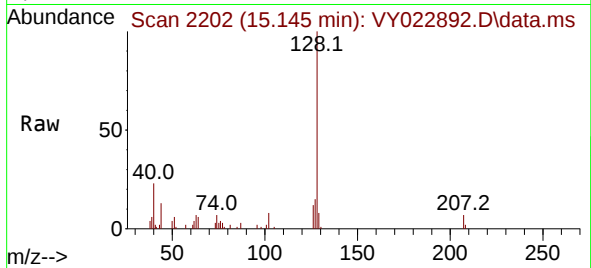




#95
Naphthalene
Concen: 1.298 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VY0701SBL01

Tgt Ion:128	Resp:	10165
Ion Ratio	Lower	Upper
128	100	
127	13.8	10.4 15.6
129	9.7	8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 1.169 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022892.D
Acq: 01 Jul 2025 11:05

Tgt Ion:180	Resp:	4373
Ion Ratio	Lower	Upper
180	100	
182	91.8	47.1 141.3
145	30.8	15.2 45.6

