

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022912.D
 Acq On : 02 Jul 2025 15:09
 Operator : SY/MD
 Sample : Q2458-04
 Misc : 4.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-67

Quant Time: Jul 03 02:23:04 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	314085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	602578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	586720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	246551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	175665	50.111	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.220%	
35) Dibromofluoromethane	7.634	113	187654	51.207	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.420%	
50) Toluene-d8	10.109	98	725940	49.922	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.840%	
62) 4-Bromofluorobenzene	12.401	95	253017	54.125	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.260%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	1332	2.010	ug/l #	54
20) Methylene Chloride	4.616	84	22772	5.442	ug/l	86
31) Cyclohexane	7.713	56	8026	1.333	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	26928	4.848	ug/l #	50
38) Carbon Tetrachloride	7.707	117	32343	5.518	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	3235	1.278	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.731	63	48	15.677	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	142285	56.528	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	142285	142.812	ug/l #	11

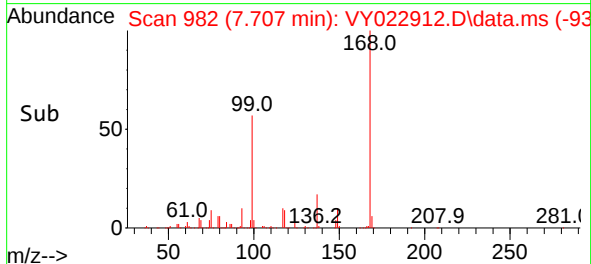
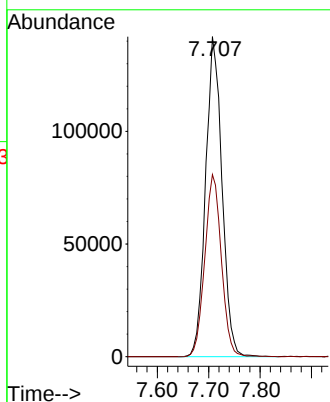
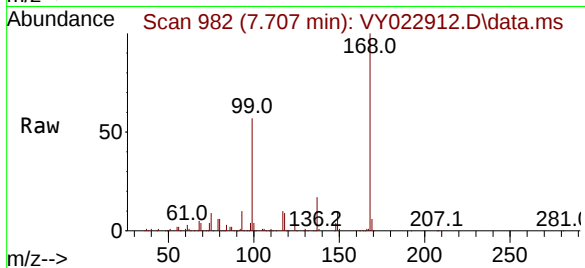
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022912.D
Acq: 02 Jul 2025 15:09

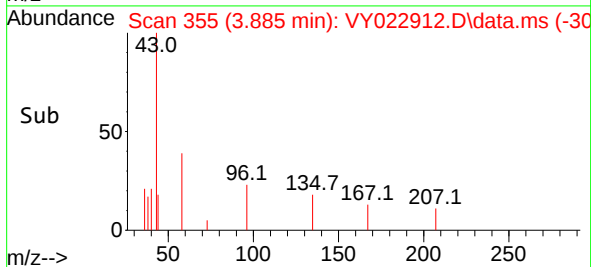
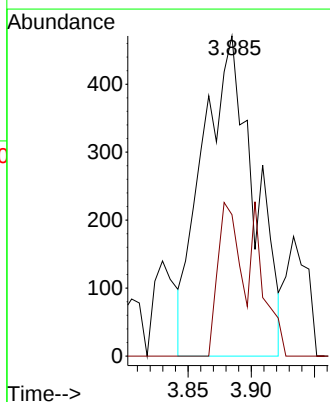
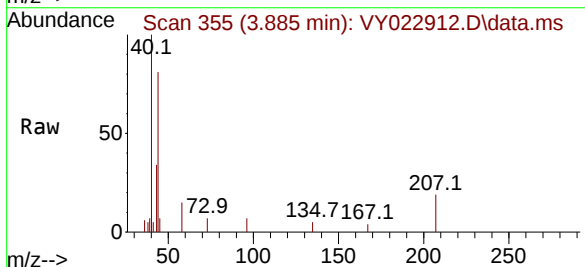
Instrument :
MSVOA_Y
ClientSampleId :
TP-67

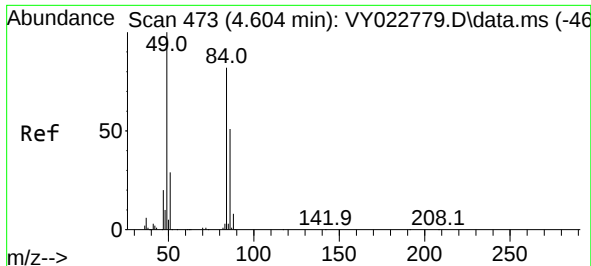
Tgt Ion:168 Resp: 314085
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#16
Acetone
Concen: 2.010 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022912.D
Acq: 02 Jul 2025 15:09

Tgt Ion: 43 Resp: 1332
Ion Ratio Lower Upper
43 100
58 55.0 24.0 36.0#



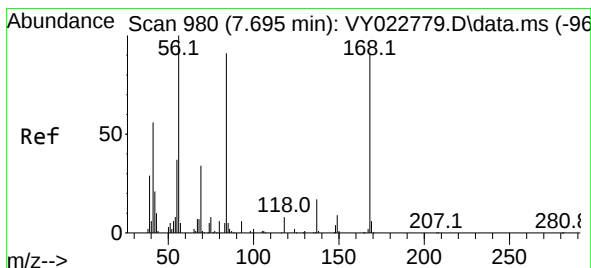
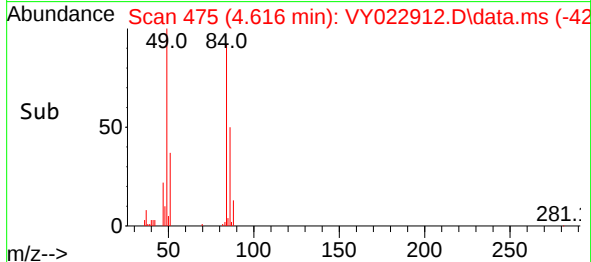
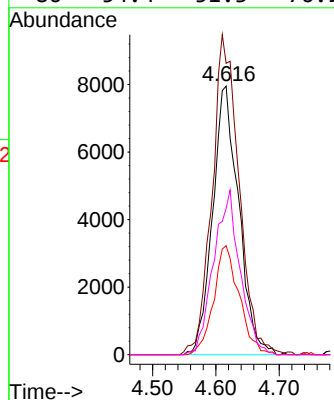
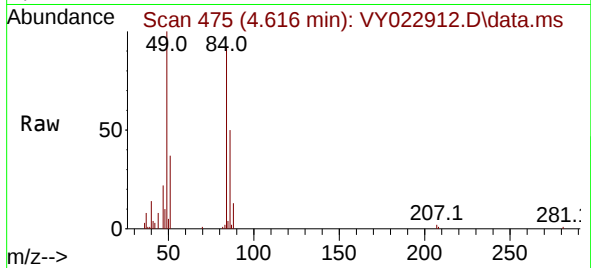


#20
Methylene Chloride
Concen: 5.442 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022912.D
Acq: 02 Jul 2025 15:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-67

Tgt Ion: 84 Resp: 22772

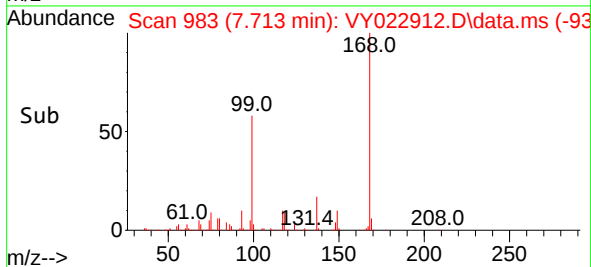
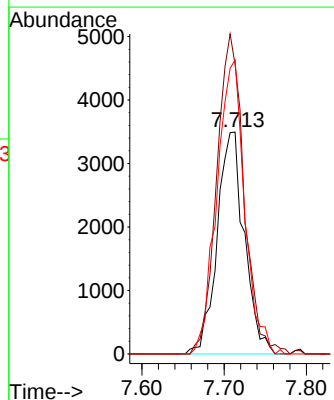
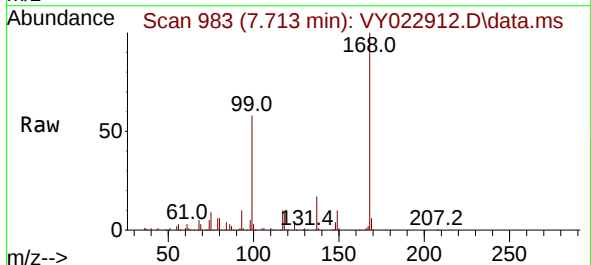
Ion	Ratio	Lower	Upper
84	100		
49	108.4	101.9	152.9
51	40.5	29.8	44.8
86	54.4	51.3	76.9

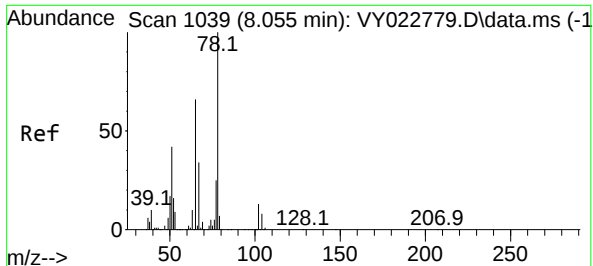


#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022912.D
Acq: 02 Jul 2025 15:09

Tgt Ion: 56 Resp: 8026

Ion	Ratio	Lower	Upper
56	100		
69	130.3	27.0	40.6#
84	132.6	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.111 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY022912.D

Acq: 02 Jul 2025 15:09

Instrument :

MSVOA_Y

ClientSampleId :

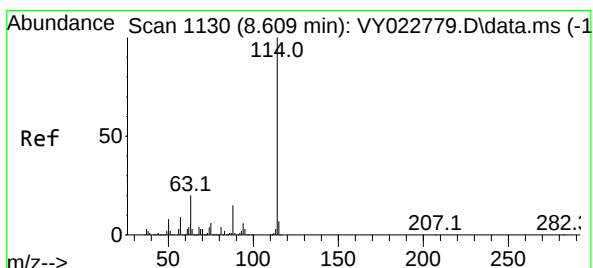
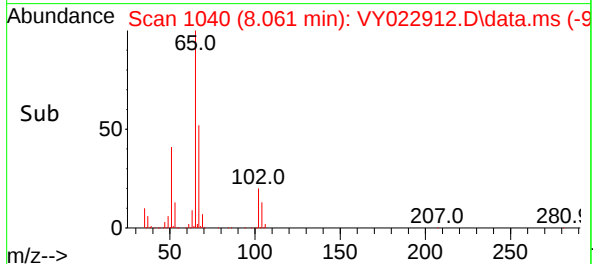
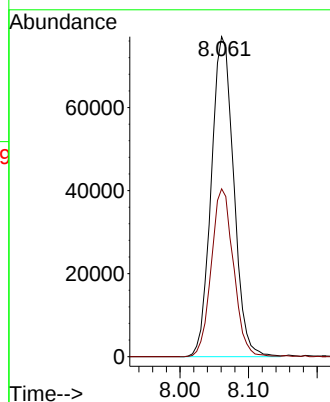
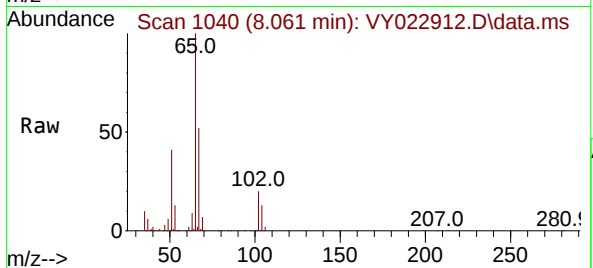
TP-67

Tgt Ion: 65 Resp: 175665

Ion Ratio Lower Upper

65 100

67 51.7 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: VY022912.D

Acq: 02 Jul 2025 15:09

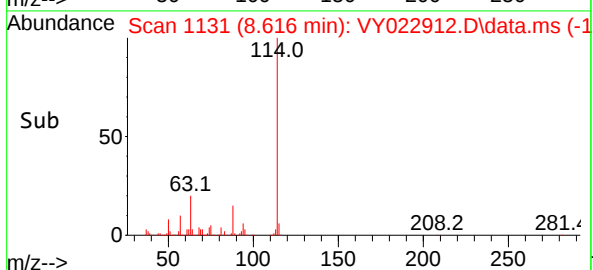
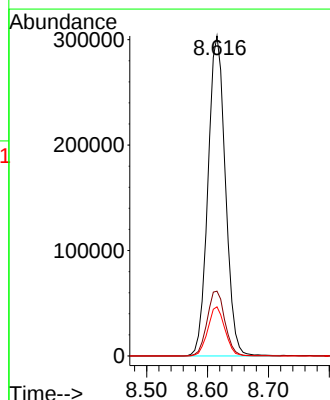
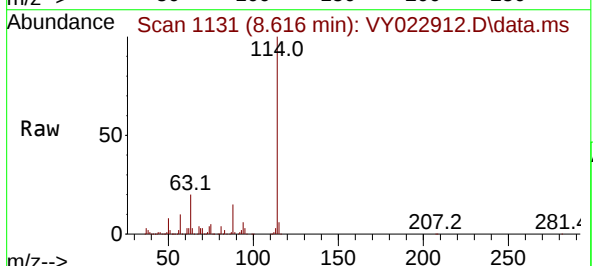
Tgt Ion: 114 Resp: 602578

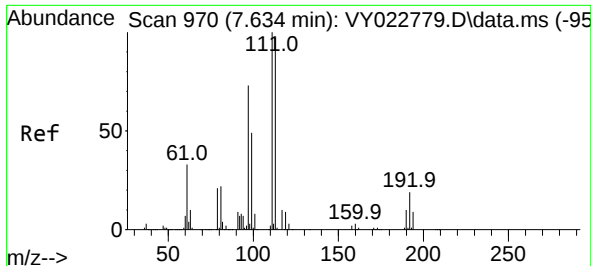
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.4 0.0 27.8

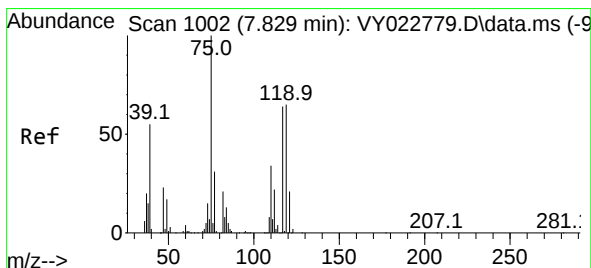
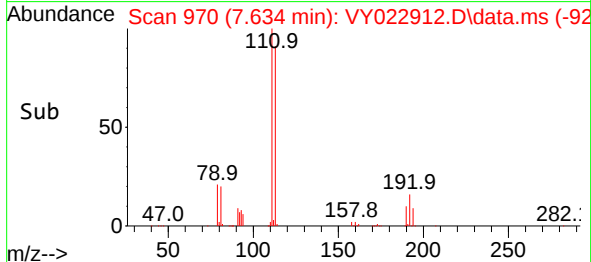
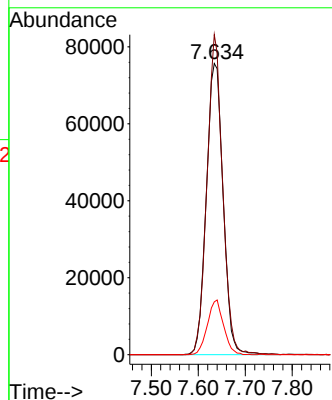
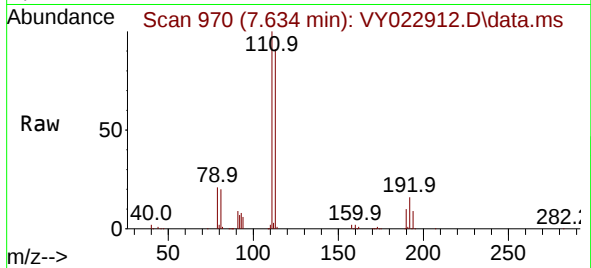




#35
Dibromofluoromethane
Concen: 51.207 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022912.D
Acq: 02 Jul 2025 15:09

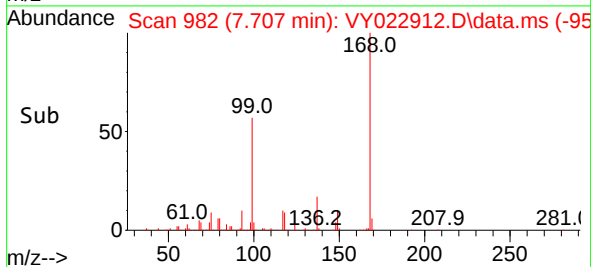
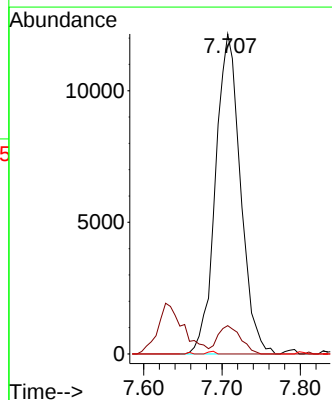
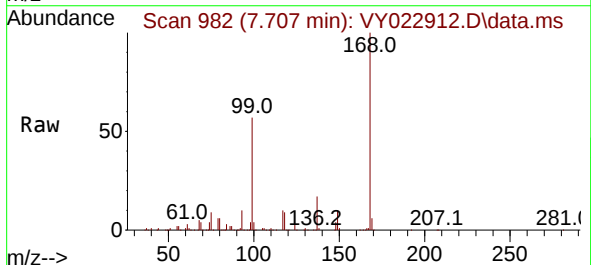
Instrument :
MSVOA_Y
ClientSampleId :
TP-67

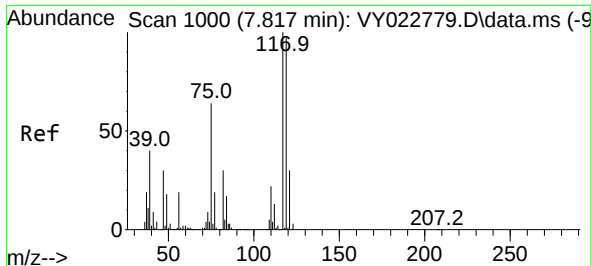
Tgt Ion:113 Resp: 187654
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 18.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.848 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022912.D
Acq: 02 Jul 2025 15:09

Tgt Ion: 75 Resp: 26928
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.2 24.8 37.2#

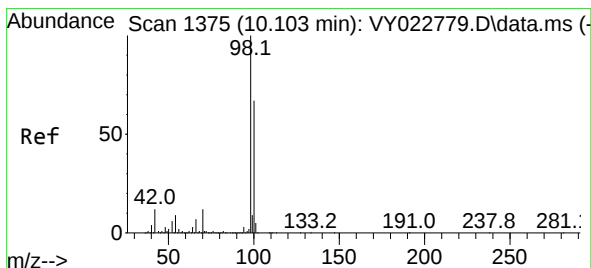
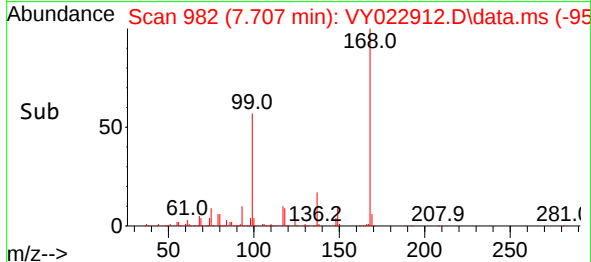
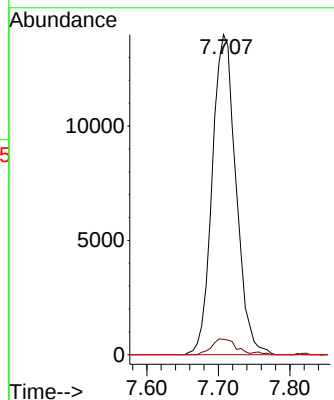
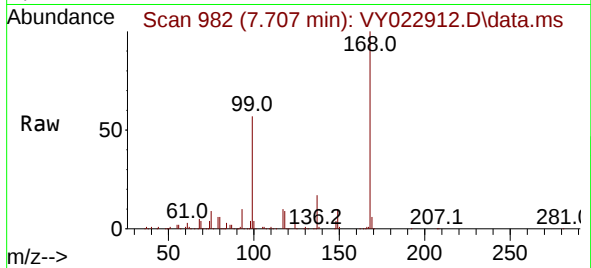




#38
Carbon Tetrachloride
Concen: 5.518 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022912.D
Acq: 02 Jul 2025 15:09

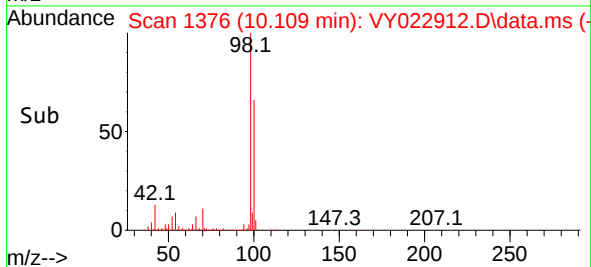
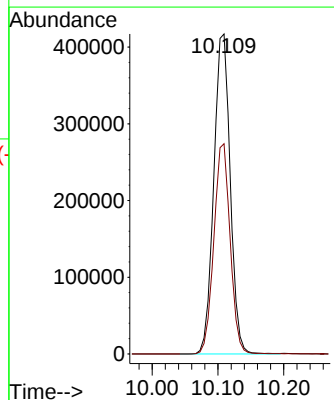
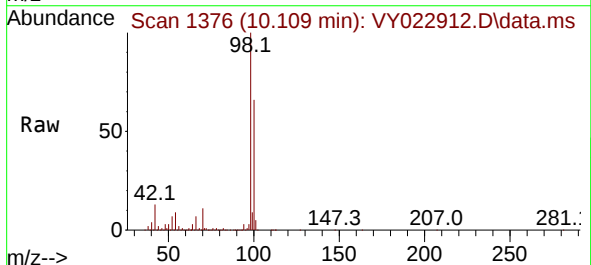
Instrument :
MSVOA_Y
ClientSampleId :
TP-67

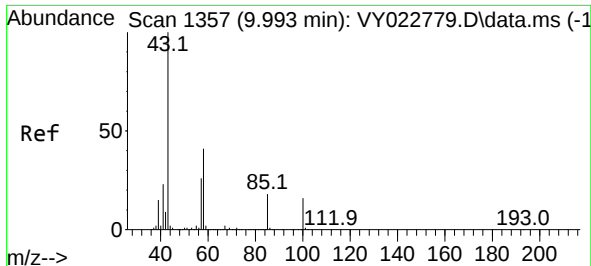
Tgt Ion:117 Resp: 32343
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.922 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022912.D
Acq: 02 Jul 2025 15:09

Tgt Ion: 98 Resp: 725940
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.278 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.103 min

Lab File: VY022912.D

Acq: 02 Jul 2025 15:09

Instrument :

MSVOA_Y

ClientSampleId :

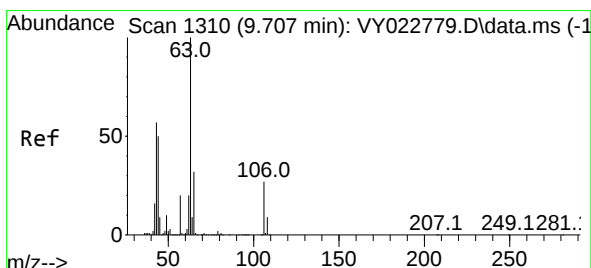
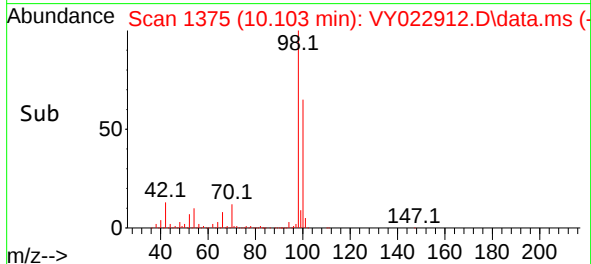
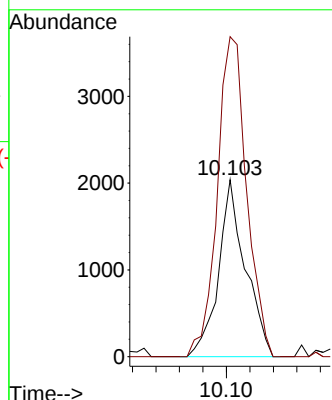
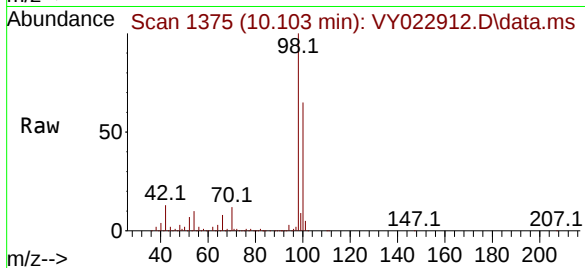
TP-67

Tgt Ion: 43 Resp: 3235

Ion Ratio Lower Upper

43 100

58 198.2 30.4 45.6#



#58

2-Chloroethyl Vinyl ether

Concen: 15.677 ug/l

RT: 9.731 min Scan# 1314

Delta R.T. 0.018 min

Lab File: VY022912.D

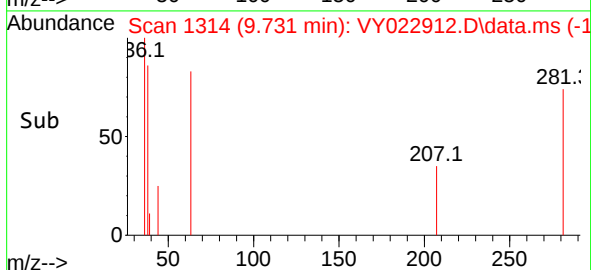
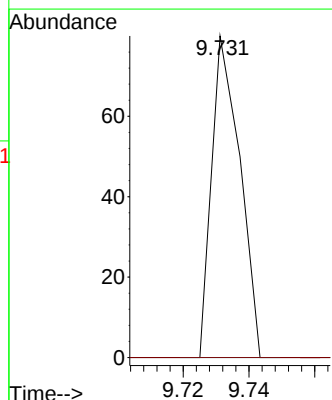
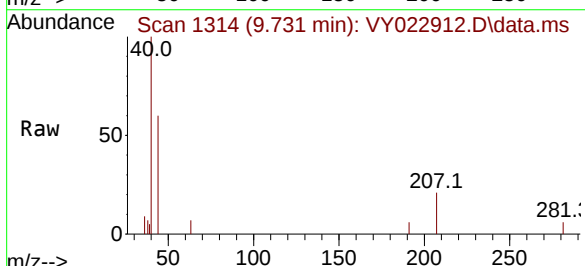
Acq: 02 Jul 2025 15:09

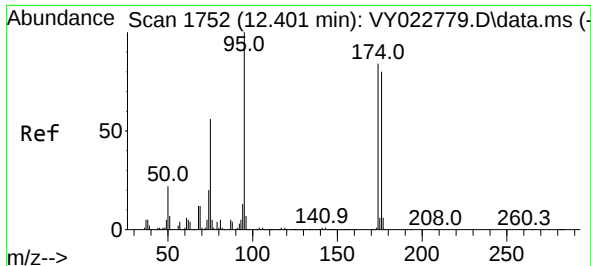
Tgt Ion: 63 Resp: 48

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#

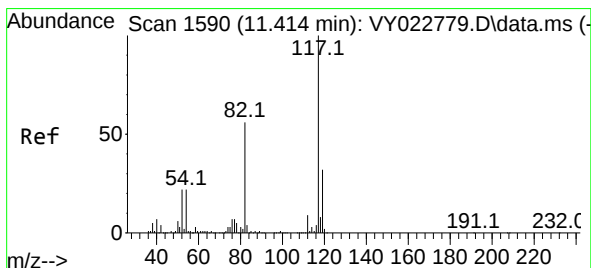
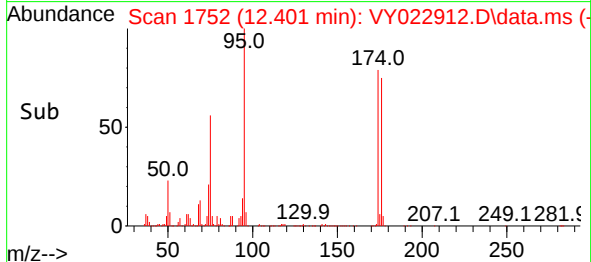
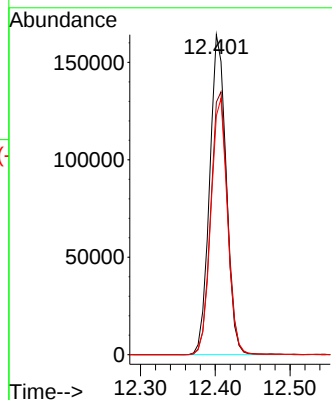
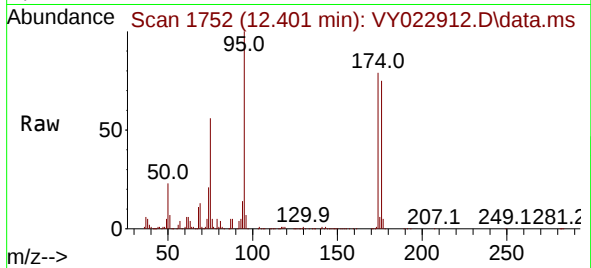




#62
4-Bromofluorobenzene
Concen: 54.125 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022912.D
Acq: 02 Jul 2025 15:09

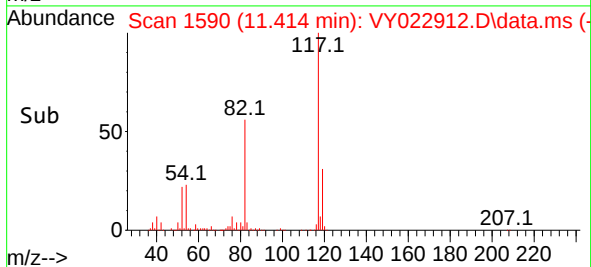
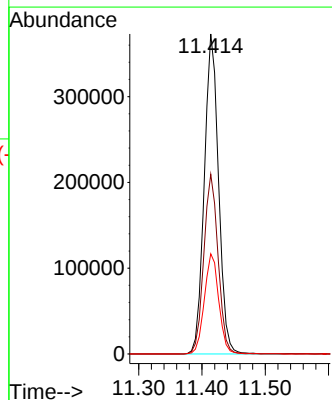
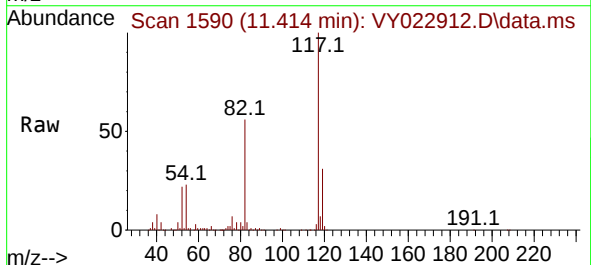
Instrument :
MSVOA_Y
ClientSampleId :
TP-67

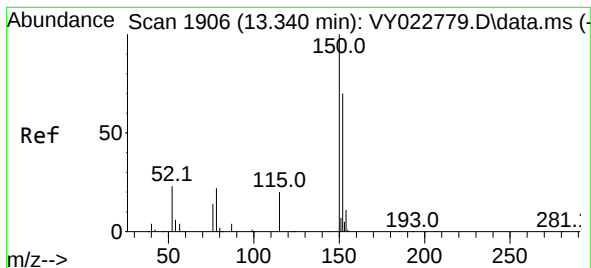
Tgt Ion: 95 Resp: 253017
Ion Ratio Lower Upper
95 100
174 83.5 0.0 170.0
176 80.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022912.D
Acq: 02 Jul 2025 15:09

Tgt Ion: 117 Resp: 586720
Ion Ratio Lower Upper
117 100
82 56.2 44.6 66.8
119 31.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022912.D

Acq: 02 Jul 2025 15:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-67

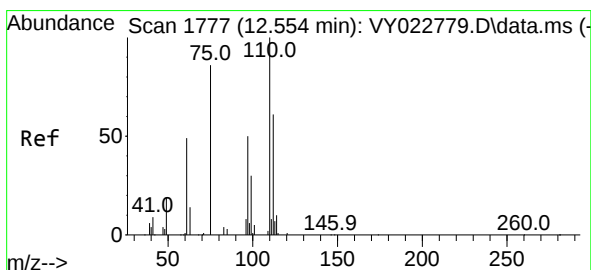
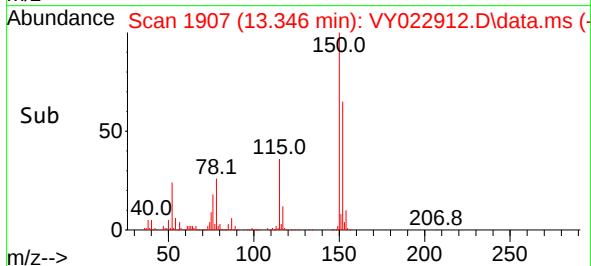
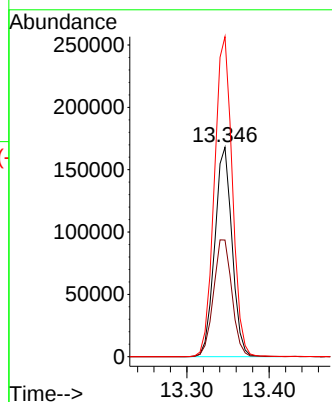
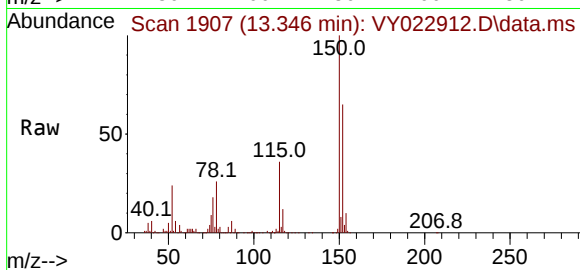
Tgt Ion:152 Resp: 246551

Ion Ratio Lower Upper

152 100

115 59.2 28.9 86.7

150 158.0 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 56.528 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022912.D

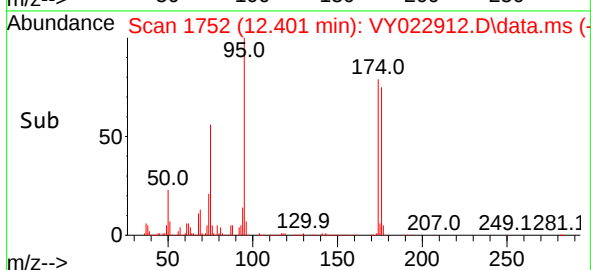
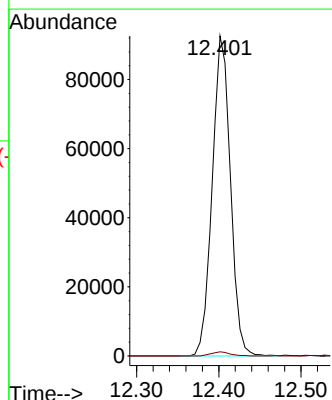
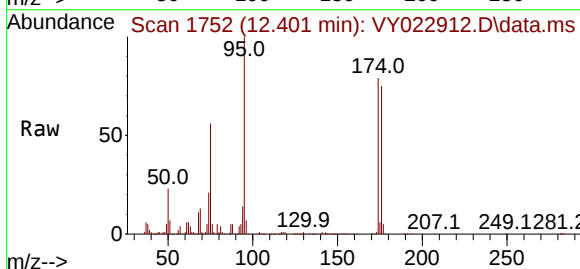
Acq: 02 Jul 2025 15:09

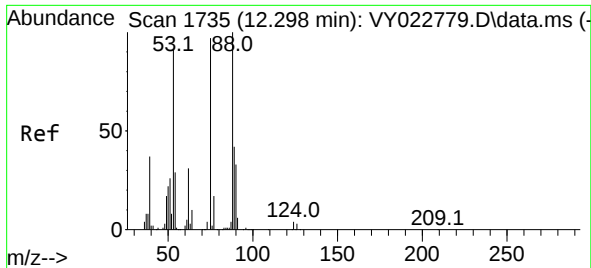
Tgt Ion: 75 Resp: 142285

Ion Ratio Lower Upper

75 100

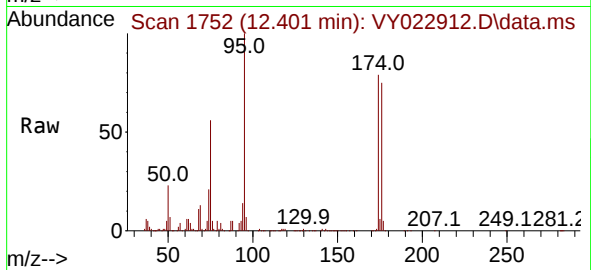
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.812 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022912.D
 Acq: 02 Jul 2025 15:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-67



Tgt Ion: 75 Resp: 142285
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.1 35.7 53.5#

