

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022964.D
 Acq On : 07 Jul 2025 16:45
 Operator : SY/MD
 Sample : Q2514-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-92

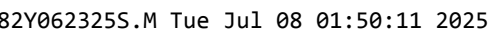
Quant Time: Jul 08 01:49:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

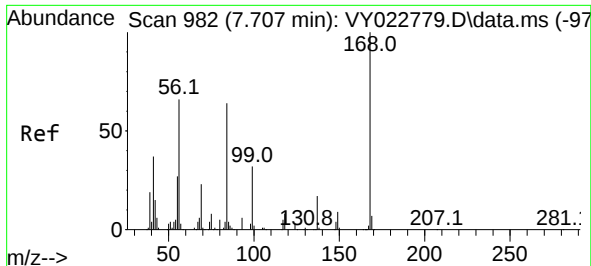
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	278822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	532794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	532521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173188	55.653	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 111.300%		
35) Dibromofluoromethane	7.634	113	167709	51.759	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 103.520%		
50) Toluene-d8	10.103	98	660270	51.353	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 102.700%		
62) 4-Bromofluorobenzene	12.402	95	231840	56.091	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 112.180%		
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1394	2.370	ug/l #	83
20) Methylene Chloride	4.610	84	20404	5.493	ug/l	95
28) Bromochloromethane	7.421	49	3141	1.283	ug/l #	17
30) Chloroform	7.421	83	33723	5.623	ug/l	97
31) Cyclohexane	7.701	56	6787	1.270	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	23911	4.869	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28597	5.518	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	3381	1.510	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.719	63	26	15.668	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	129051	57.086	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	129051	144.222	ug/l #	11

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

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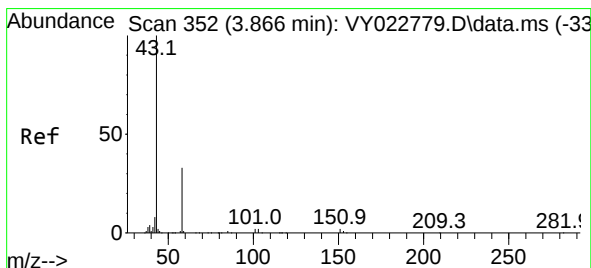
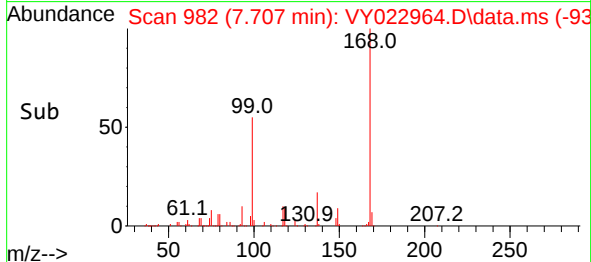
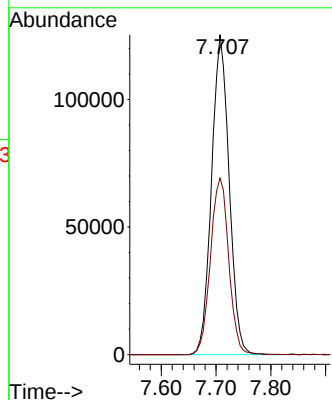
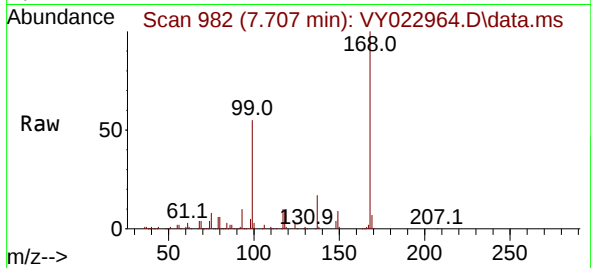




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

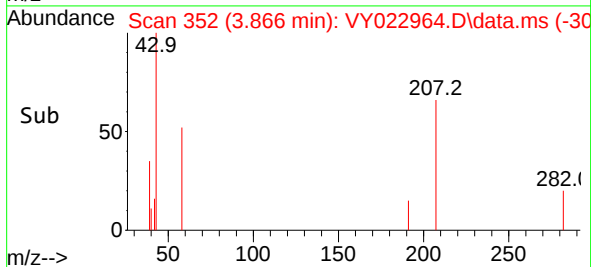
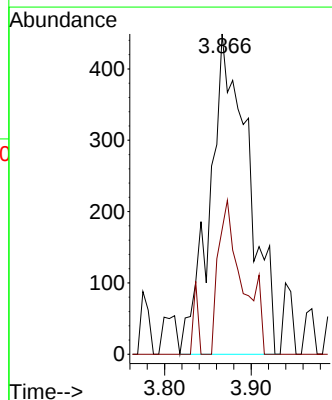
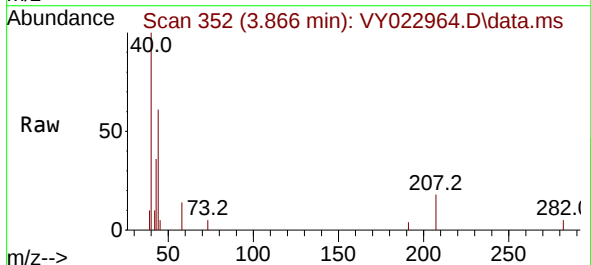
Instrument :
MSVOA_Y
ClientSampleId :
TP-92

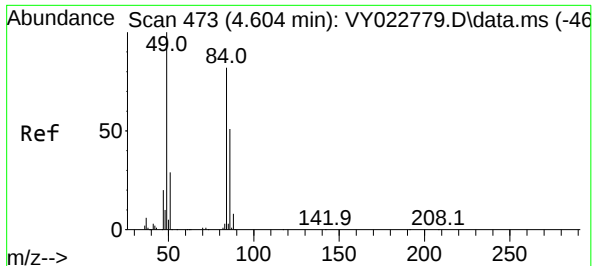
Tgt Ion:168 Resp: 278822
Ion Ratio Lower Upper
168 100
99 55.1 44.3 66.5



#16
Acetone
Concen: 2.370 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
58 39.0 24.0 36.0#



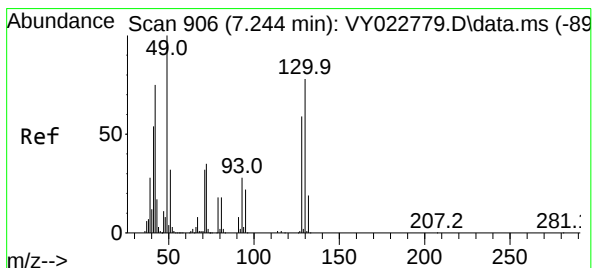
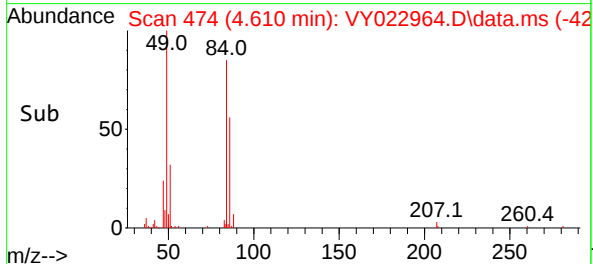
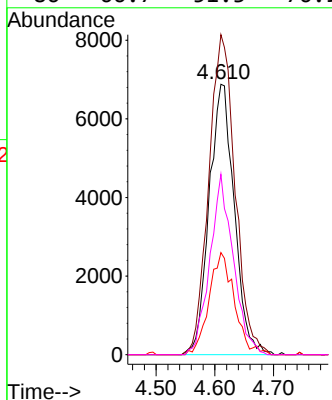
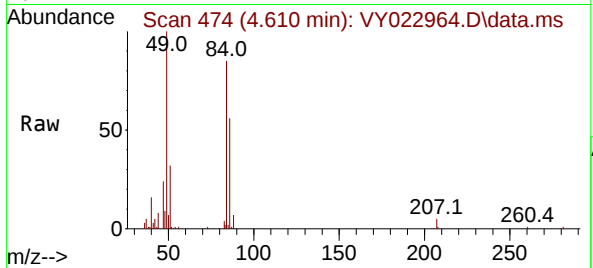


#20
Methylene Chloride
Concen: 5.493 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-92

Tgt Ion: 84 Resp: 20404

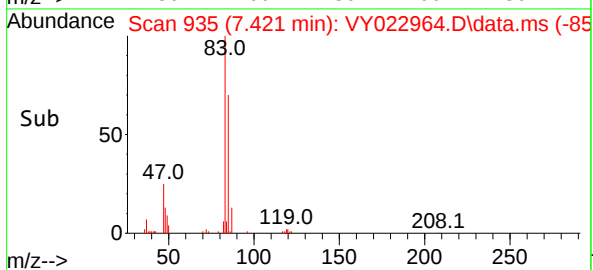
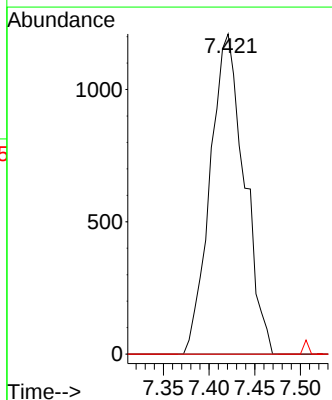
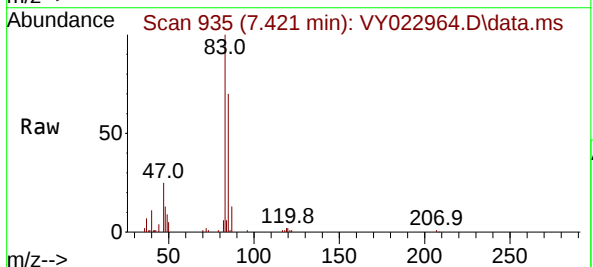
Ion	Ratio	Lower	Upper
84	100		
49	118.3	101.9	152.9
51	37.7	29.8	44.8
86	66.7	51.3	76.9

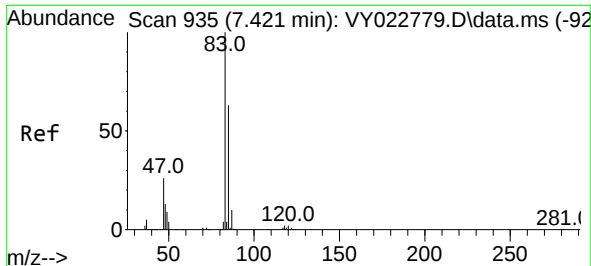


#28
Bromochloromethane
Concen: 1.283 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.171 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

Tgt Ion: 49 Resp: 3141

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	55.7	83.5#

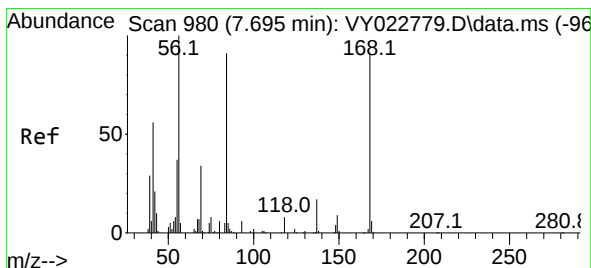
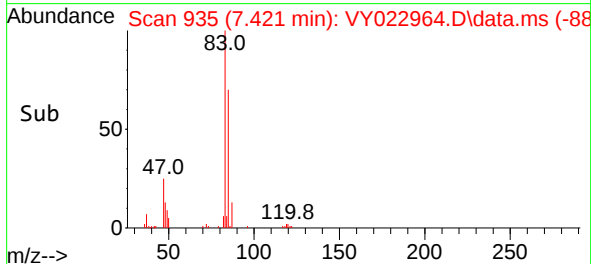
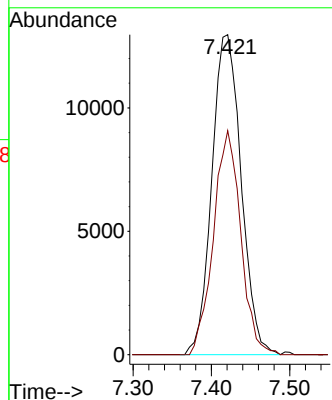
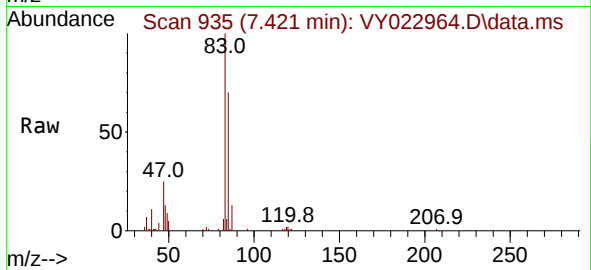




#30
Chloroform
Concen: 5.623 ug/l
RT: 7.421 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

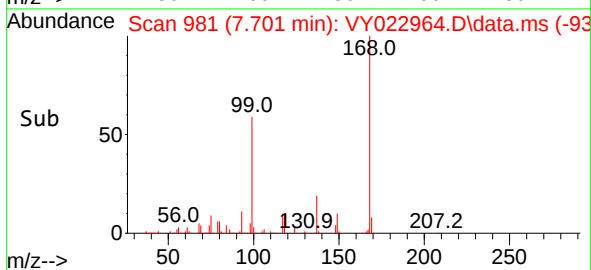
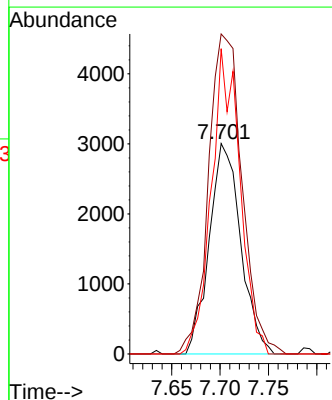
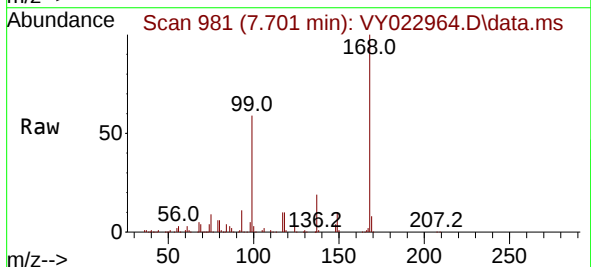
Instrument :
MSVOA_Y
ClientSampleId :
TP-92

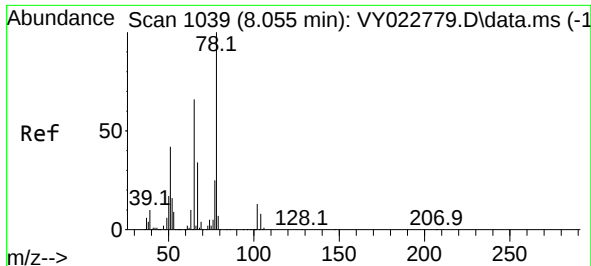
Tgt Ion: 83 Resp: 33723
Ion Ratio Lower Upper
83 100
85 70.0 54.2 81.4



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

Tgt Ion: 56 Resp: 6787
Ion Ratio Lower Upper
56 100
69 150.4 27.0 40.6#
84 145.0 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 55.653 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022964.D

Acq: 07 Jul 2025 16:45

Instrument :

MSVOA_Y

ClientSampleId :

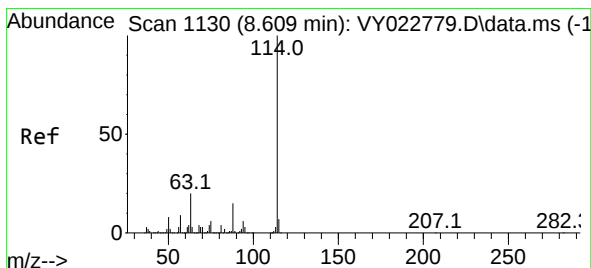
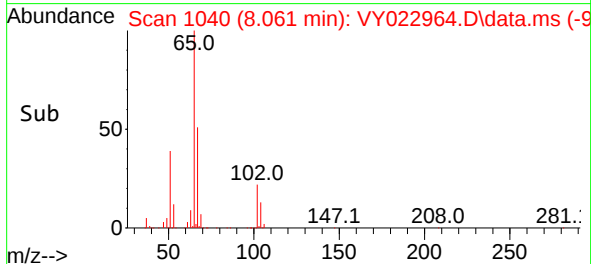
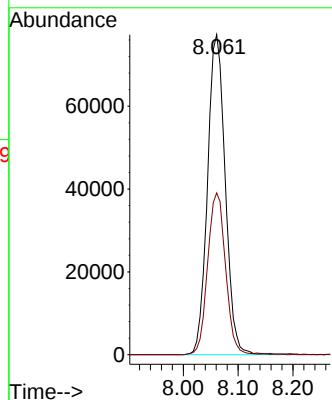
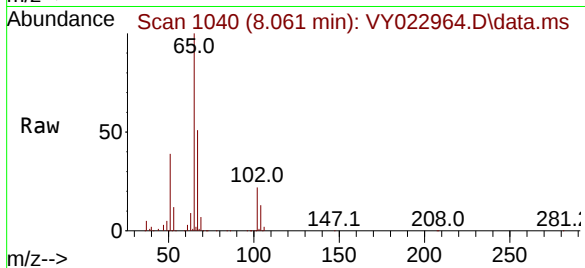
TP-92

Tgt Ion: 65 Resp: 173188

Ion Ratio Lower Upper

65 100

67 51.0 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: VY022964.D

Acq: 07 Jul 2025 16:45

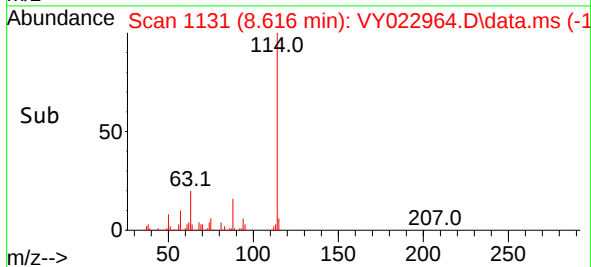
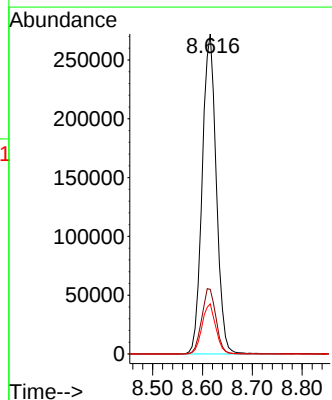
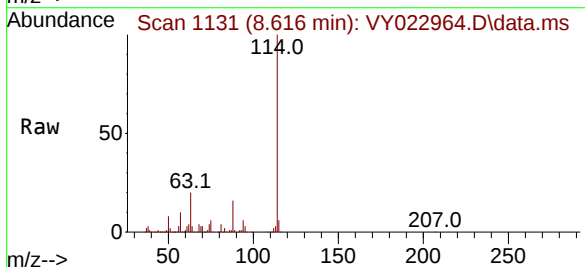
Tgt Ion:114 Resp: 532794

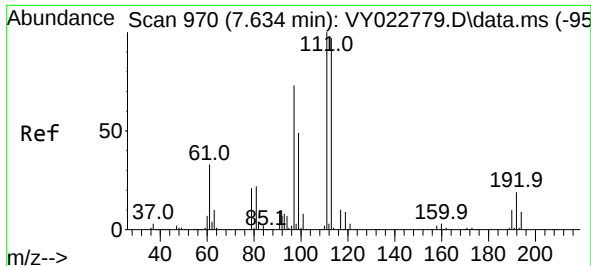
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.7 0.0 27.8

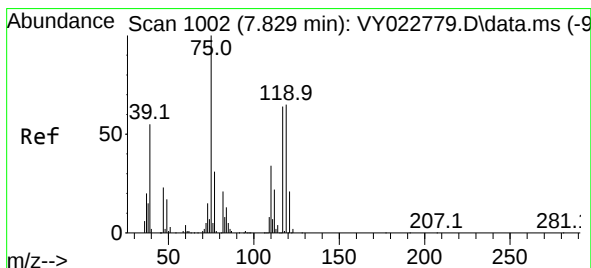
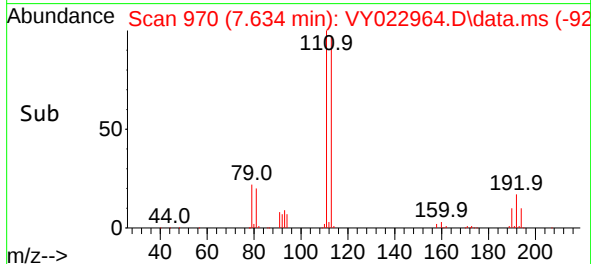
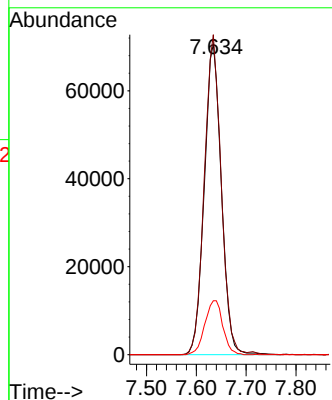
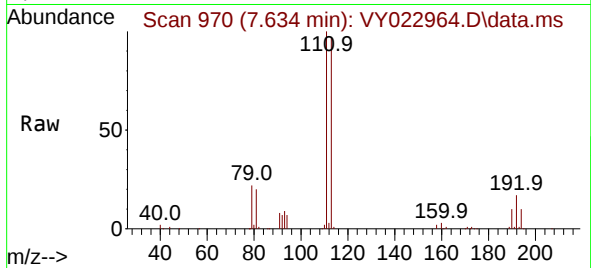




#35
Dibromofluoromethane
Concen: 51.759 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

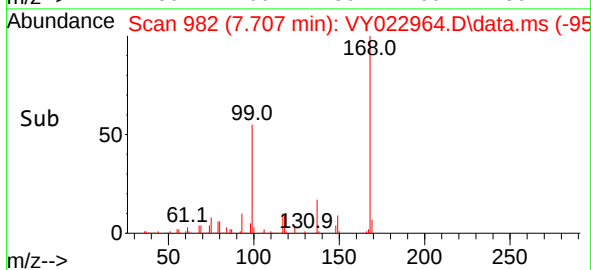
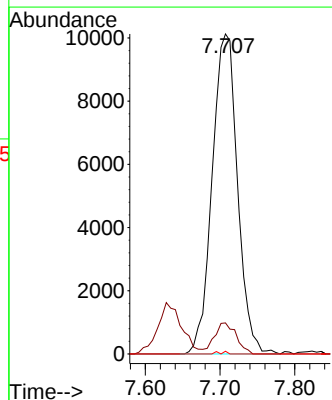
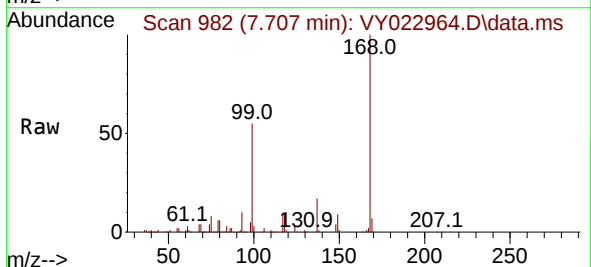
Instrument :
MSVOA_Y
ClientSampleId :
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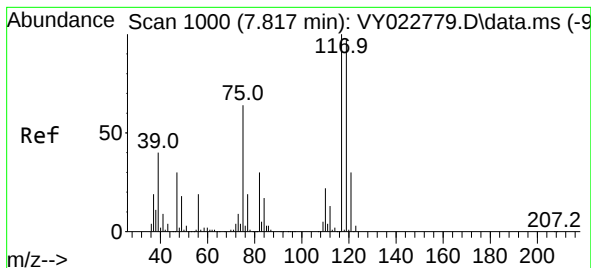
Tgt Ion:113 Resp: 167709
Ion Ratio Lower Upper
113 100
111 101.4 81.1 121.7
192 18.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.869 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

Tgt Ion: 75 Resp: 23911
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.7#
77 0.1 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: VY022964.D

Acq: 07 Jul 2025 16:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-92

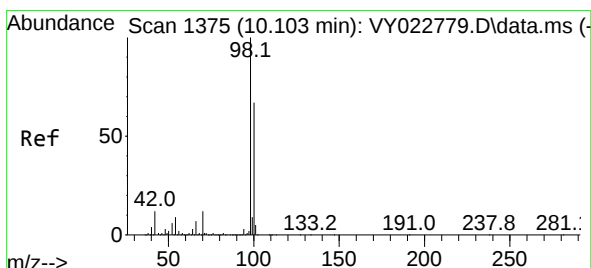
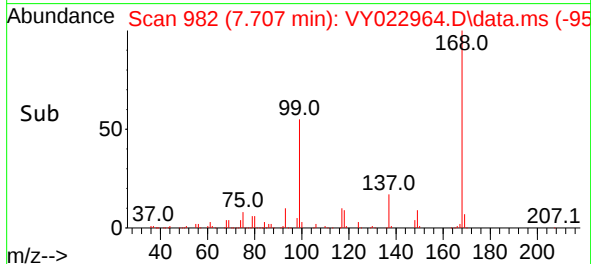
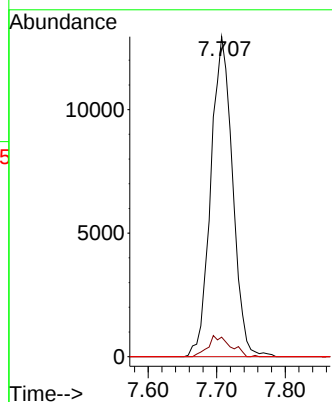
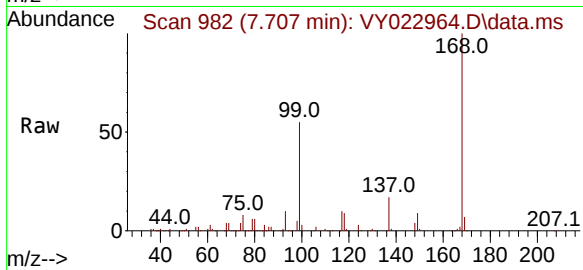
Tgt Ion:117 Resp: 28597

Ion Ratio Lower Upper

117 100

119 6.1 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 51.353 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022964.D

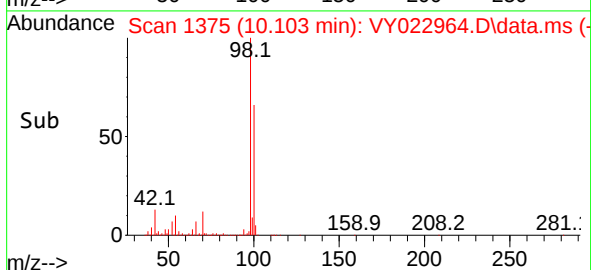
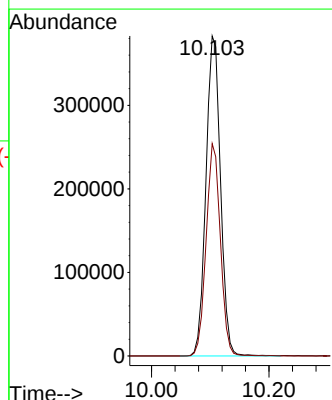
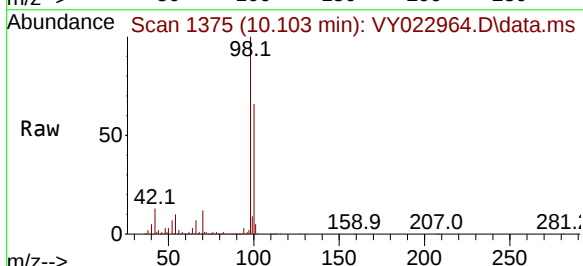
Acq: 07 Jul 2025 16:45

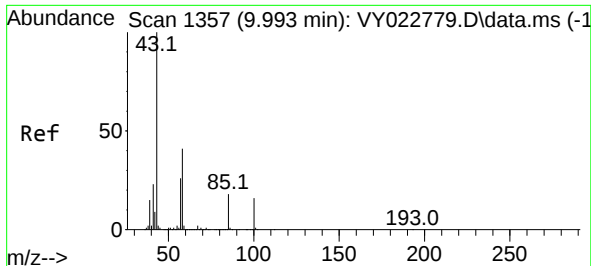
Tgt Ion: 98 Resp: 660270

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.510 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY022964.D

Acq: 07 Jul 2025 16:45

Instrument :

MSVOA_Y

ClientSampleId :

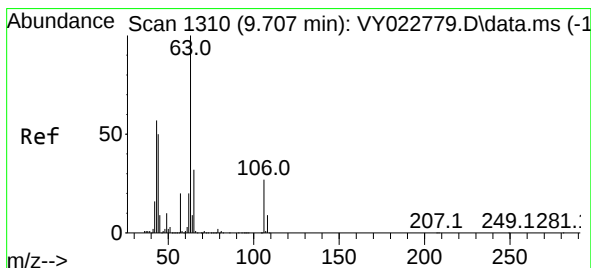
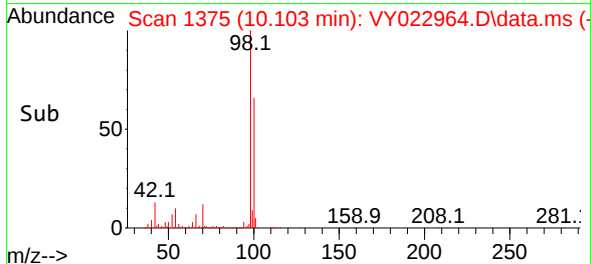
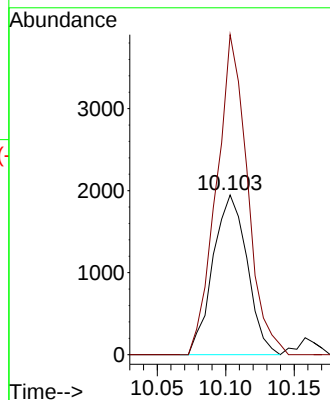
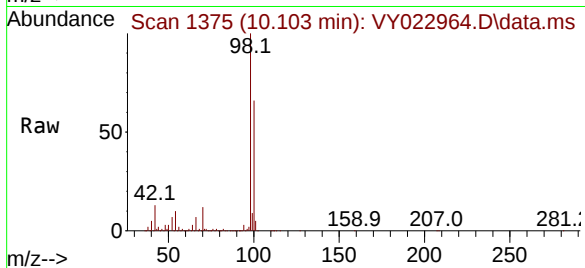
TP-92

Tgt Ion: 43 Resp: 3381

Ion Ratio Lower Upper

43 100

58 181.8 30.4 45.6#



#58

2-Chloroethyl Vinyl ether

Concen: 15.668 ug/l

RT: 9.719 min Scan# 1312

Delta R.T. 0.006 min

Lab File: VY022964.D

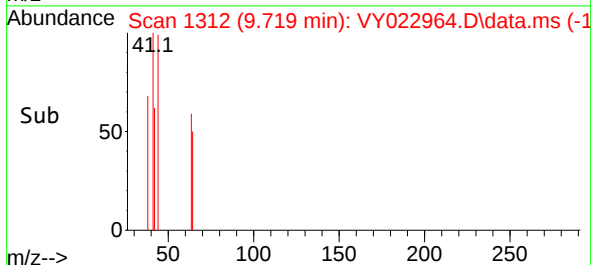
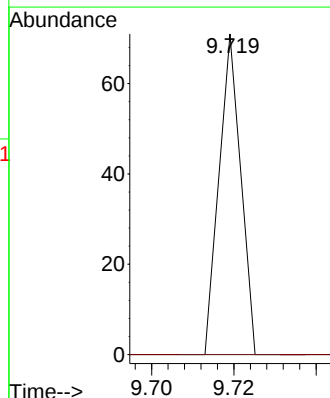
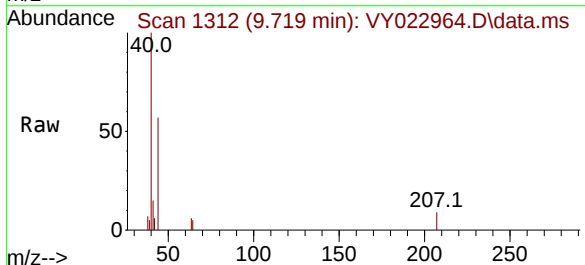
Acq: 07 Jul 2025 16:45

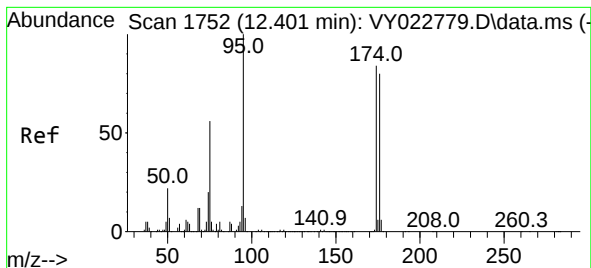
Tgt Ion: 63 Resp: 26

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#

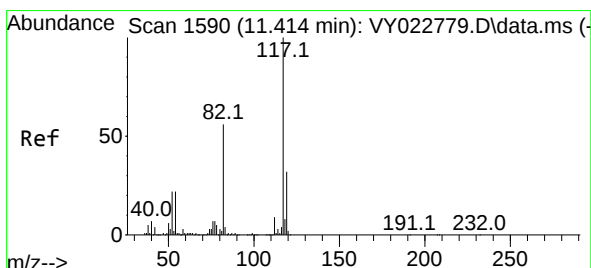
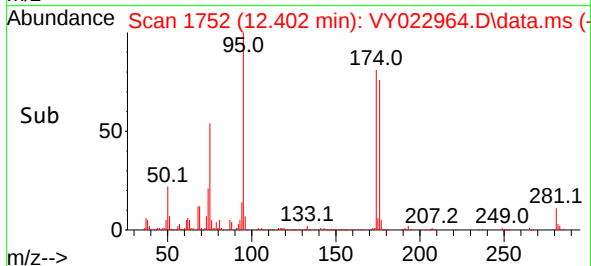
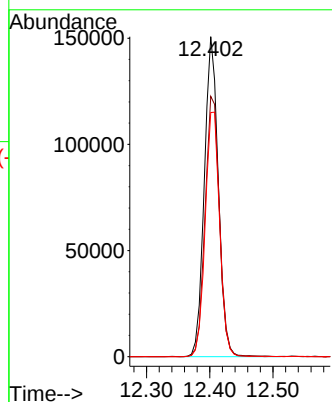
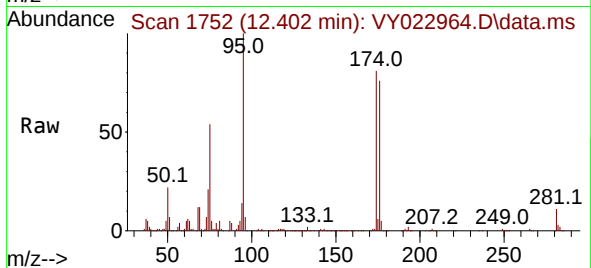




#62
4-Bromofluorobenzene
Concen: 56.091 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

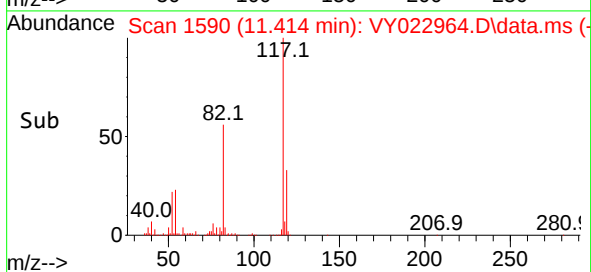
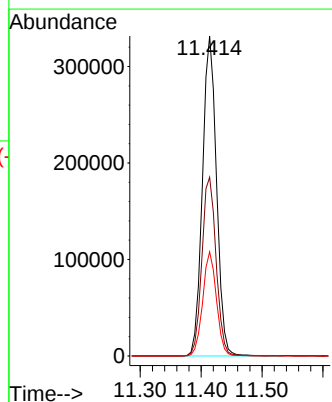
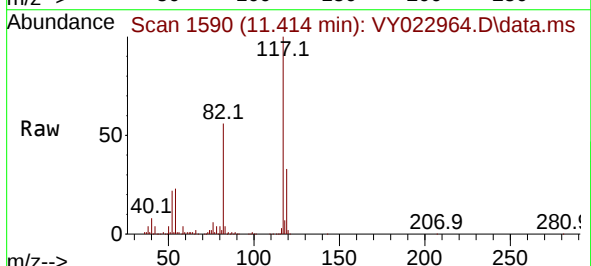
Instrument :
MSVOA_Y
ClientSampleId :
TP-92

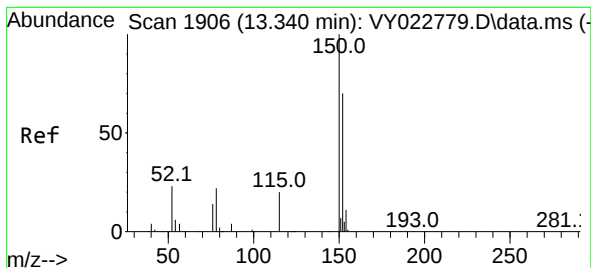
Tgt Ion: 95 Resp: 231840
Ion Ratio Lower Upper
95 100
174 84.2 0.0 170.0
176 78.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

Tgt Ion: 117 Resp: 532521
Ion Ratio Lower Upper
117 100
82 55.9 44.6 66.8
119 32.6 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: VY022964.D

Acq: 07 Jul 2025 16:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-92

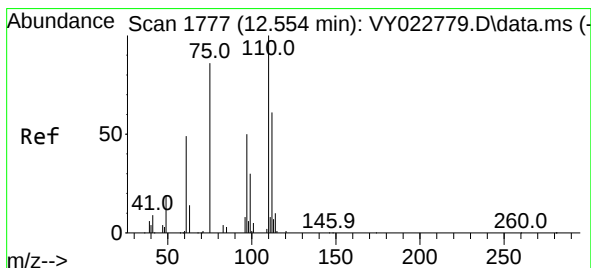
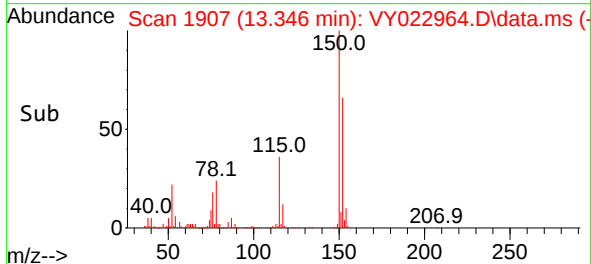
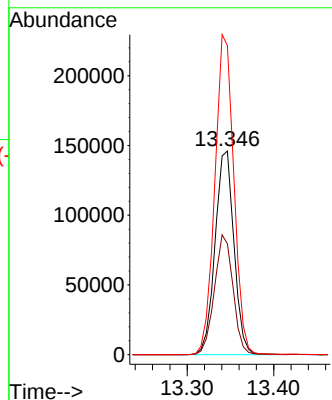
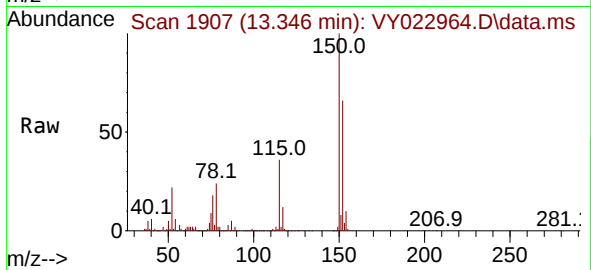
Tgt Ion:152 Resp: 221432

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 157.8 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 57.086 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022964.D

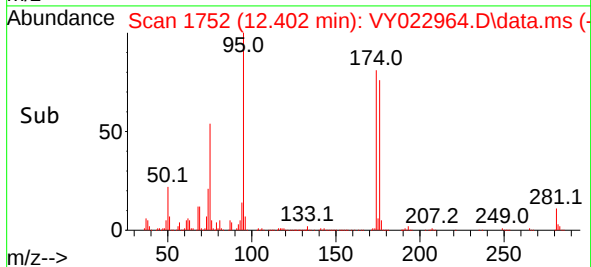
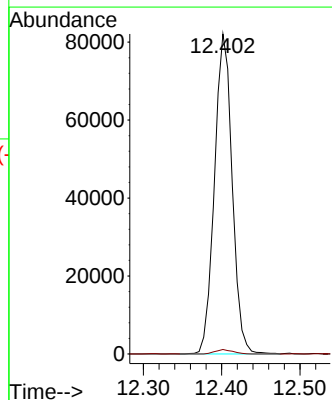
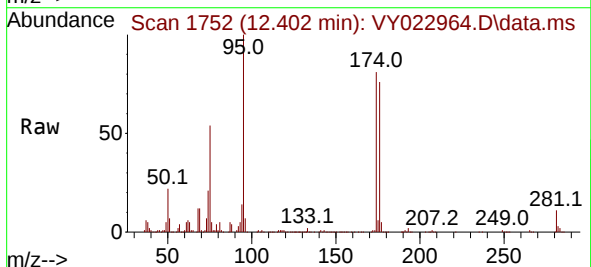
Acq: 07 Jul 2025 16:45

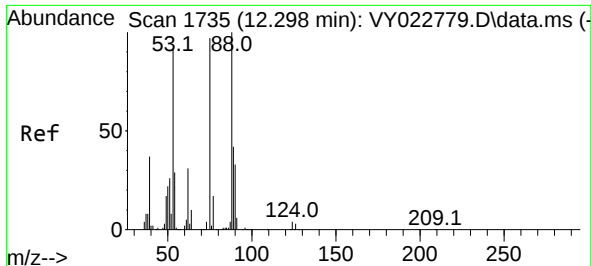
Tgt Ion: 75 Resp: 129051

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.222 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022964.D
 Acq: 07 Jul 2025 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-92

Tgt Ion: 75 Resp: 129051
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 35.7 53.5#

