

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022822.D
 Acq On : 25 Jun 2025 14:08
 Operator : SY/MD
 Sample : Q2413-04
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-74

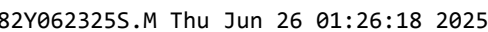
Quant Time: Jun 26 01:26:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

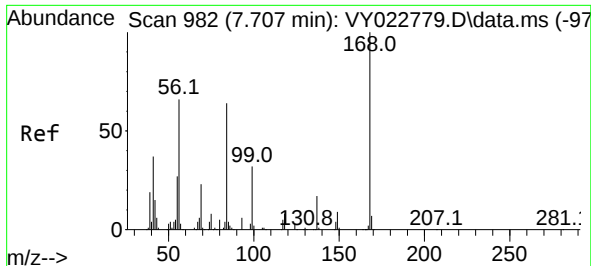
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	385627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	688505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	619901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	261665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186483	43.328	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.660%
35) Dibromofluoromethane	7.634	113	206159	49.236	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.480%
50) Toluene-d8	10.103	98	825361	49.675	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.340%
62) 4-Bromofluorobenzene	12.401	95	263147	49.267	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.540%
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	3508	4.312	ug/l #	88
20) Methylene Chloride	4.604	84	33324	6.487	ug/l	86
31) Cyclohexane	7.701	56	8892	1.203	ug/l #	18
36) 1,1-Dichloropropene	7.701	75	32497	5.120	ug/l #	50
38) Carbon Tetrachloride	7.701	117	39222	5.857	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.688	63	19	15.663	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	150184	56.220	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	150184	142.033	ug/l #	11

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

Quant Time: Jun 26 01:26:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
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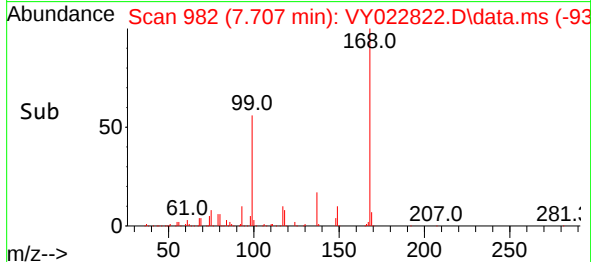
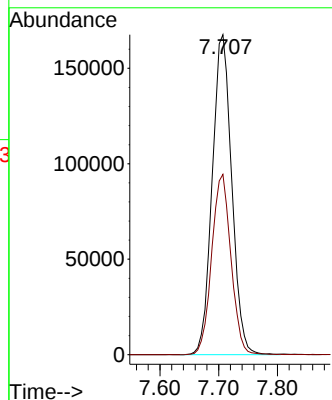
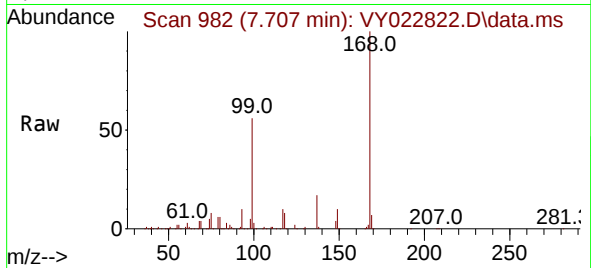




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

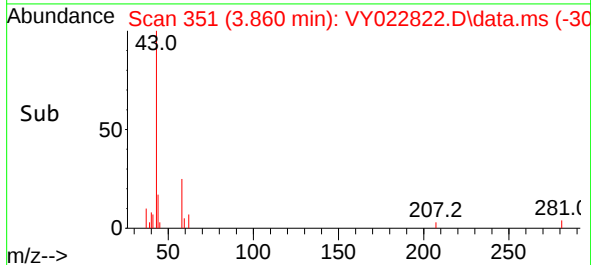
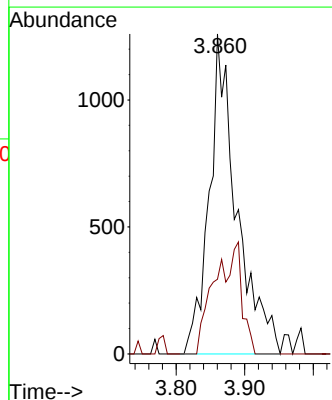
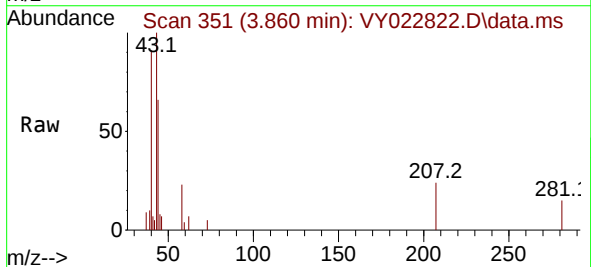
Instrument :
MSVOA_Y
ClientSampleId :
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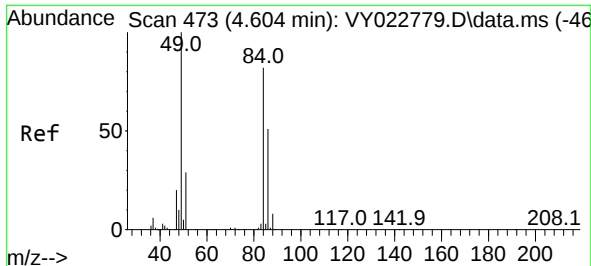
Tgt Ion:168 Resp: 385627
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#16
Acetone
Concen: 4.312 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

Tgt Ion: 43 Resp: 3508
Ion Ratio Lower Upper
43 100
58 23.3 24.0 36.0#



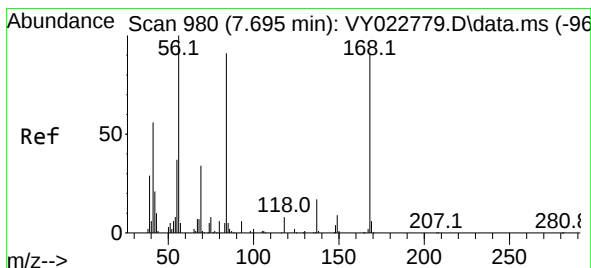
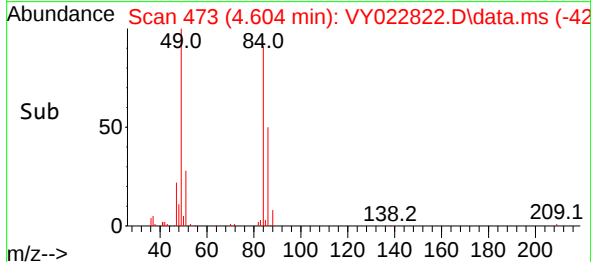
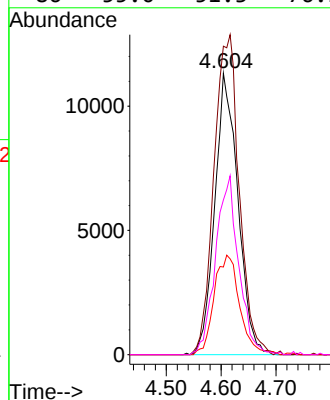
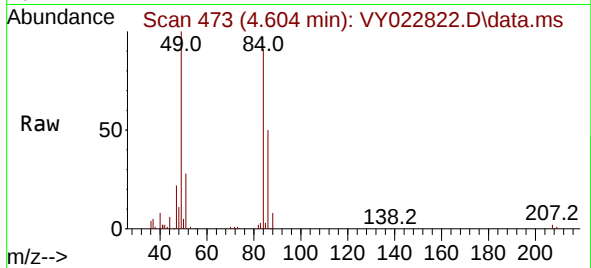


#20
Methylene Chloride
Concen: 6.487 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

Instrument :
MSVOA_Y
ClientSampleId :
TP-74

Tgt Ion: 84 Resp: 33324

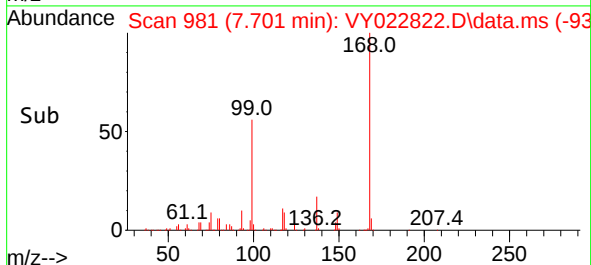
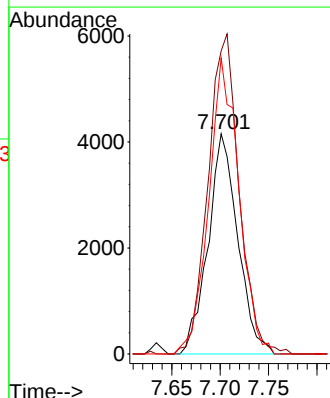
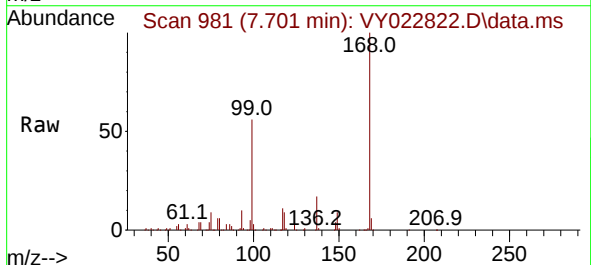
Ion	Ratio	Lower	Upper
84	100		
49	109.6	101.9	152.9
51	31.2	29.8	44.8
86	55.0	51.3	76.9

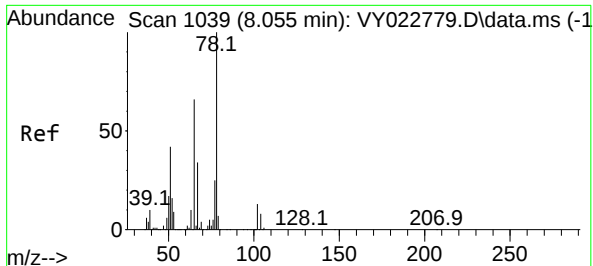


#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

Tgt Ion: 56 Resp: 8892

Ion	Ratio	Lower	Upper
56	100		
69	136.1	27.0	40.6#
84	134.4	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 43.328 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022822.D

Acq: 25 Jun 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

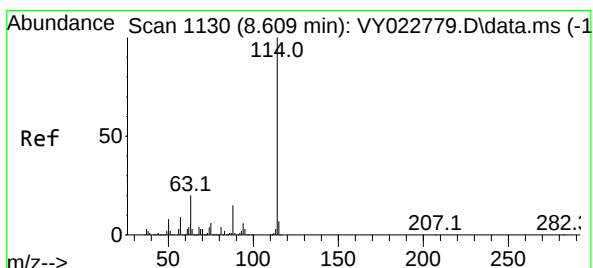
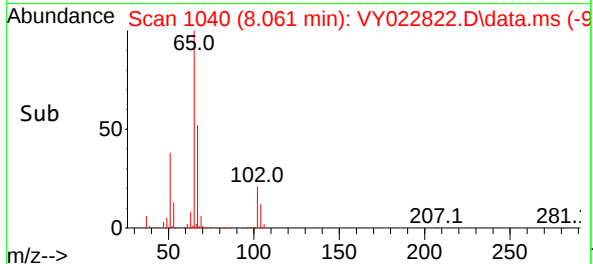
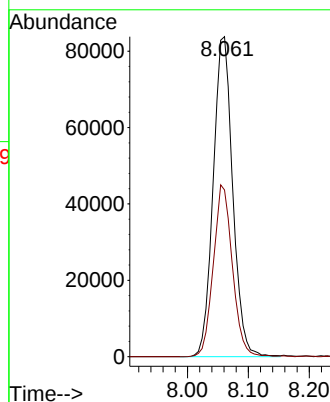
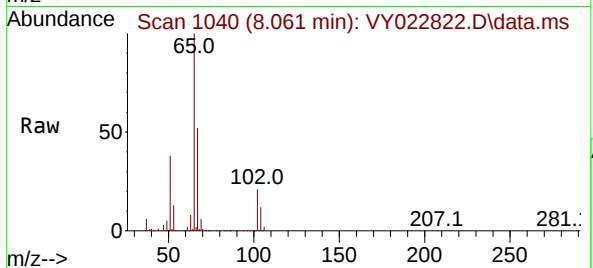
TP-74

Tgt Ion: 65 Resp: 186483

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022822.D

Acq: 25 Jun 2025 14:08

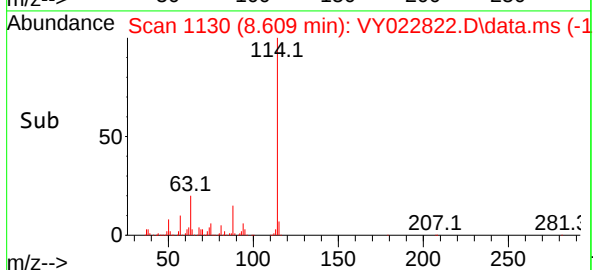
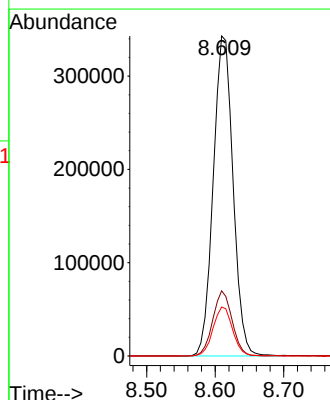
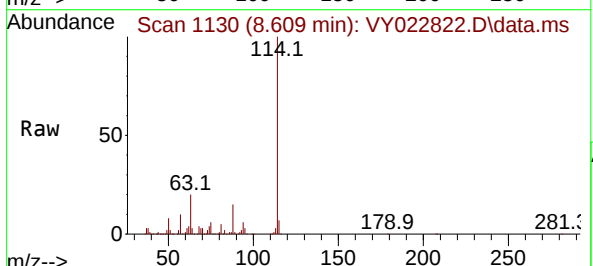
Tgt Ion:114 Resp: 688505

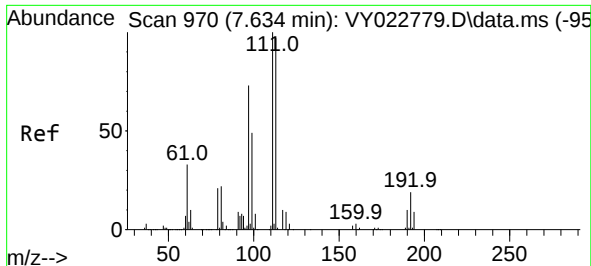
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.3 0.0 27.8

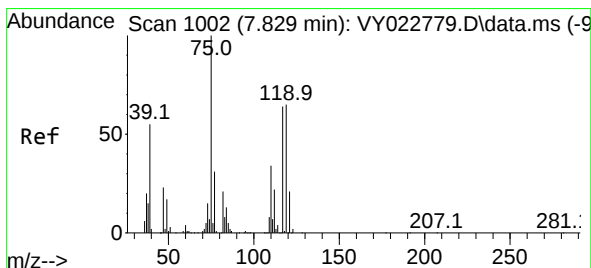
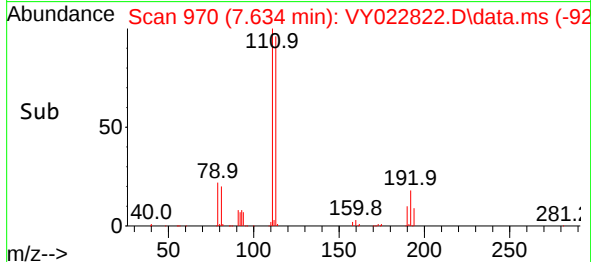
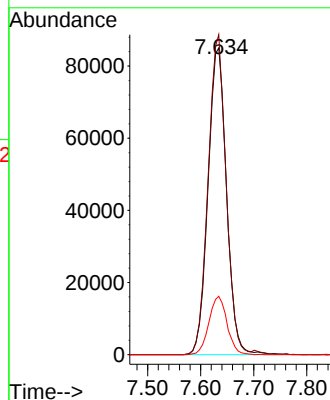
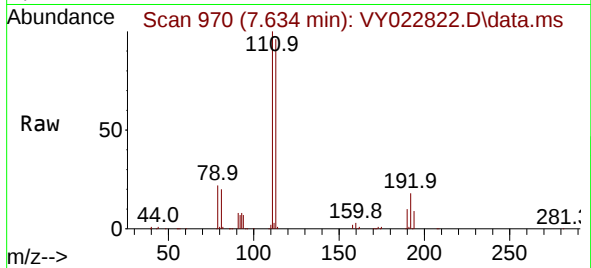




#35
Dibromofluoromethane
Concen: 49.236 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

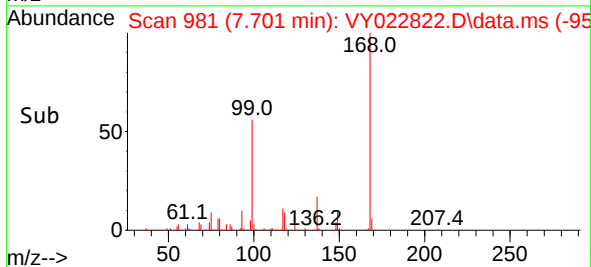
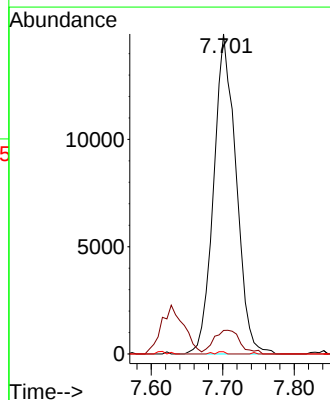
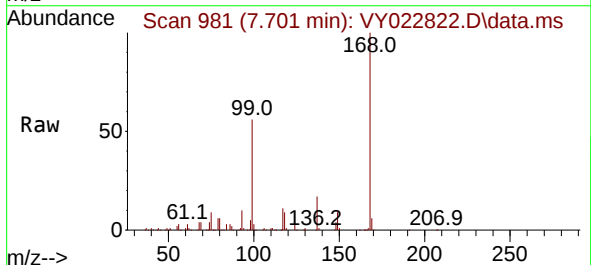
Instrument :
MSVOA_Y
ClientSampleId :
TP-74

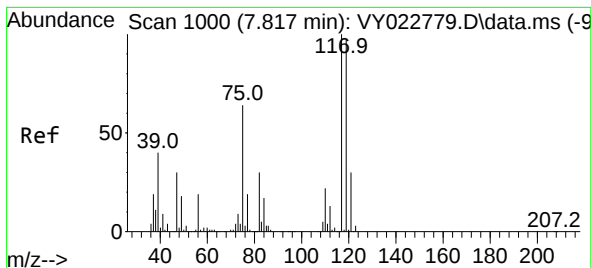
Tgt Ion:113 Resp: 206159
Ion Ratio Lower Upper
113 100
111 101.2 81.1 121.7
192 18.7 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.120 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

Tgt Ion: 75 Resp: 32497
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.3 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.857 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022822.D

Acq: 25 Jun 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-74

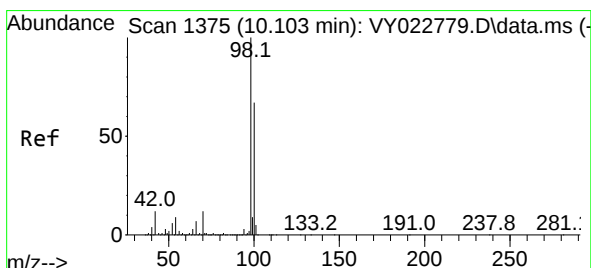
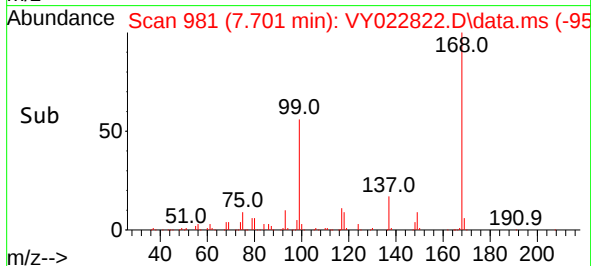
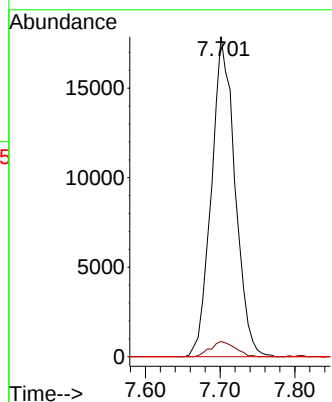
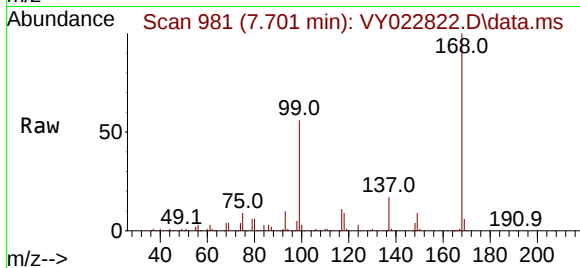
Tgt Ion:117 Resp: 39222

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 49.675 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022822.D

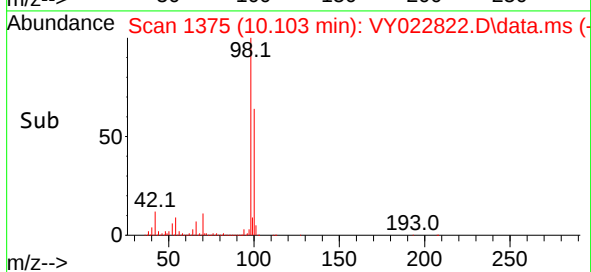
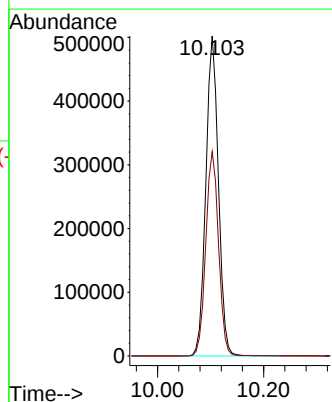
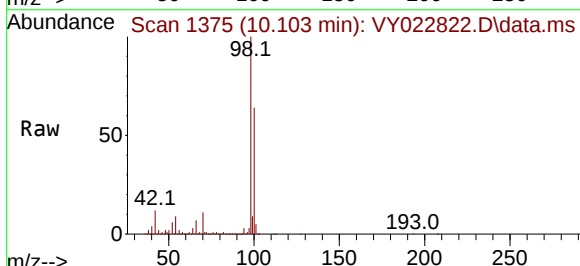
Acq: 25 Jun 2025 14:08

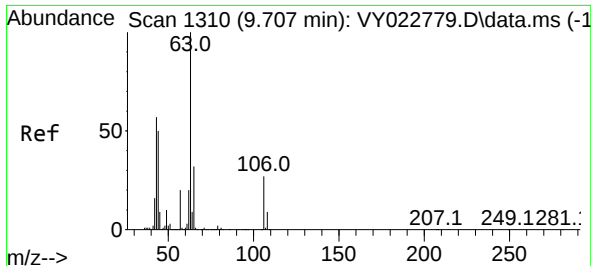
Tgt Ion: 98 Resp: 825361

Ion Ratio Lower Upper

98 100

100 65.0 51.4 77.0

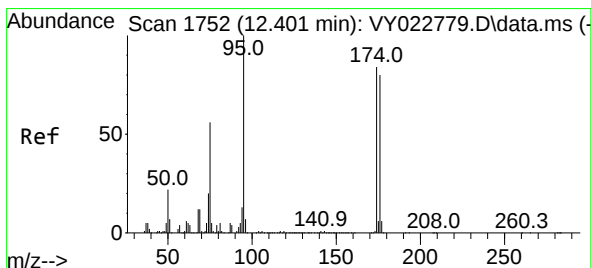
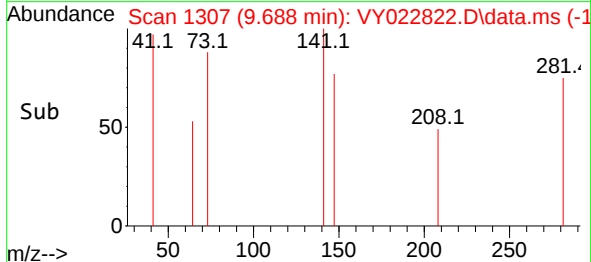
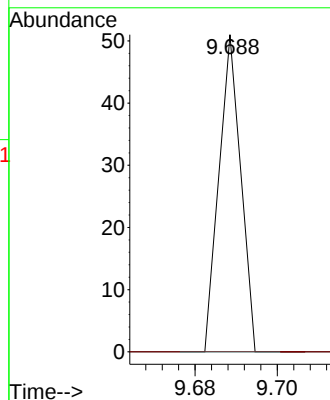
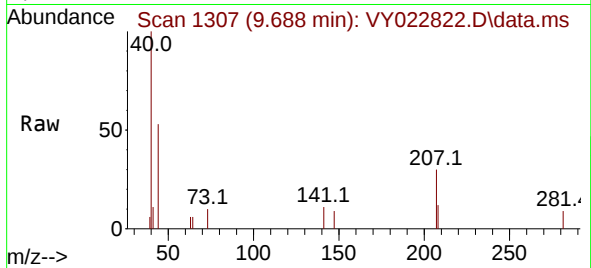




#58
2-Chloroethyl Vinyl ether
Concen: 15.663 ug/l
RT: 9.688 min Scan# 1307
Delta R.T. -0.025 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

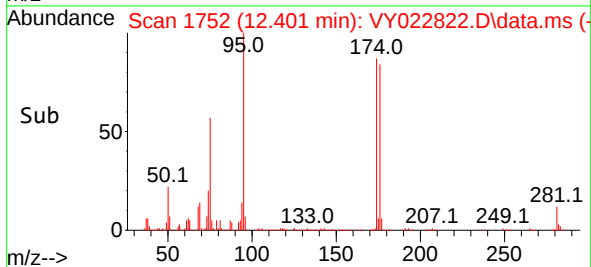
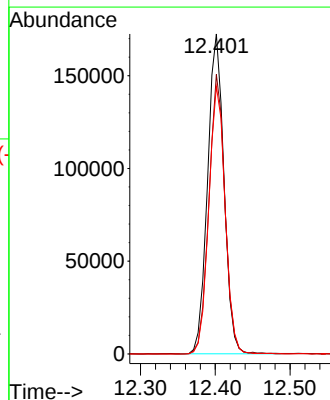
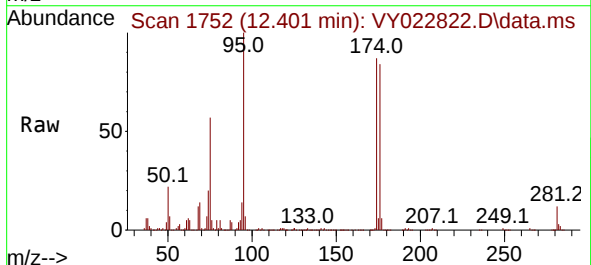
Instrument :
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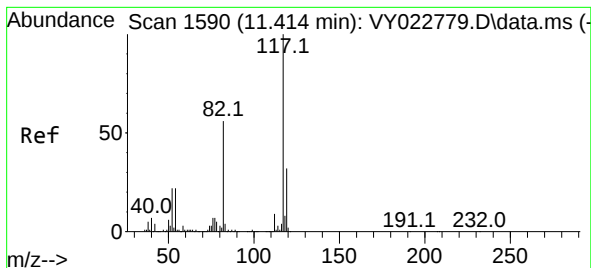
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 49.267 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

Tgt Ion: 95 Resp: 263147
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.0
176 83.5 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: VY022822.D

Acq: 25 Jun 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-74

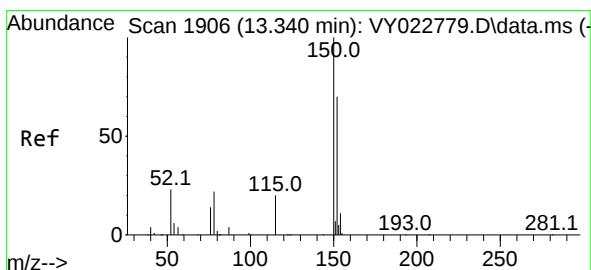
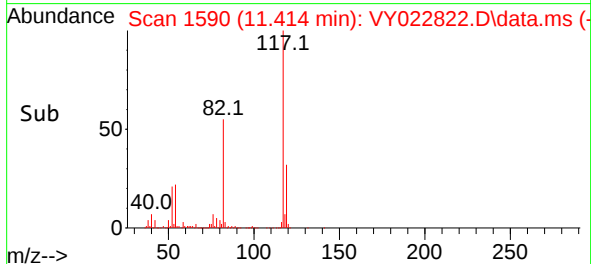
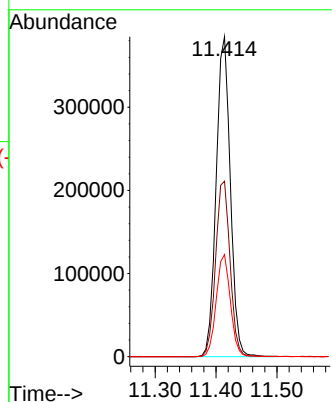
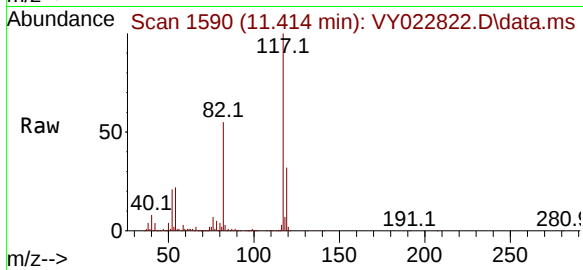
Tgt Ion:117 Resp: 619901

Ion Ratio Lower Upper

117 100

82 54.8 44.6 66.8

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022822.D

Acq: 25 Jun 2025 14:08

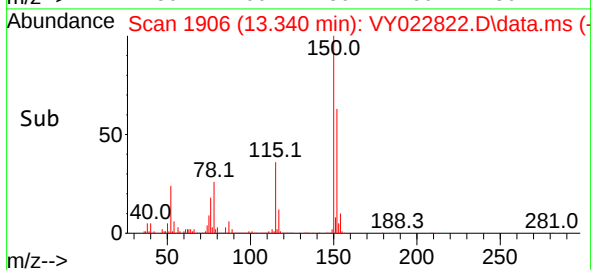
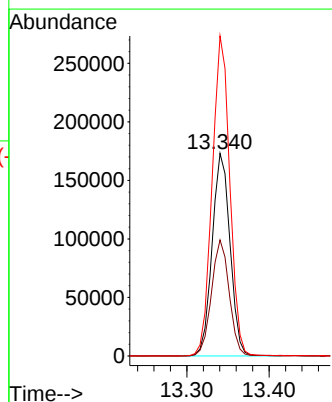
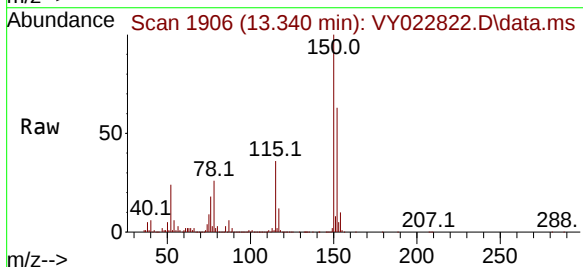
Tgt Ion:152 Resp: 261665

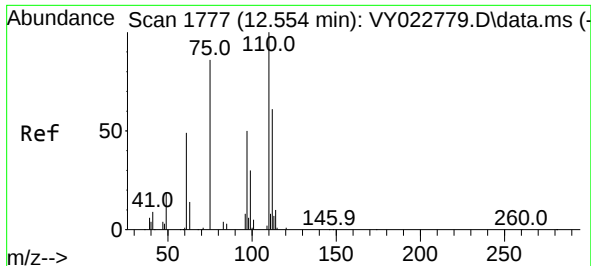
Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.7

150 155.5 0.0 349.6

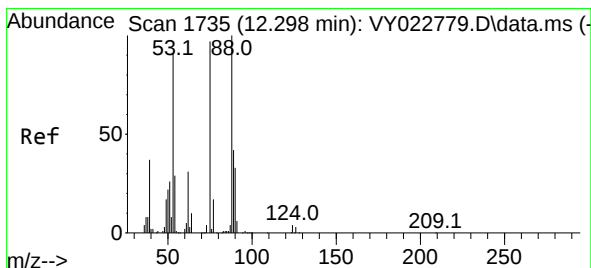
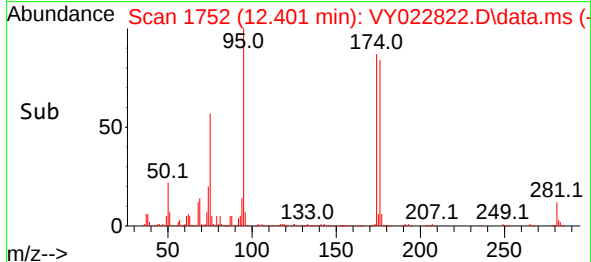
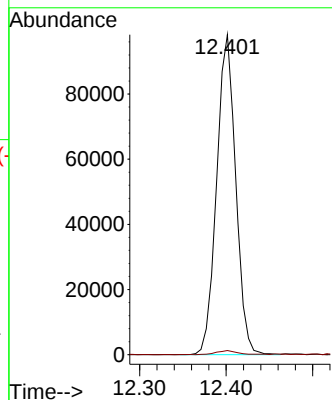
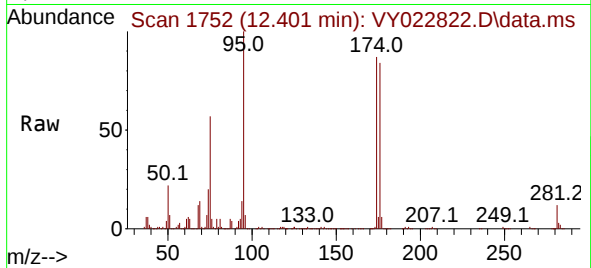




#76
 1,2,3-Trichloropropane
 Concen: 56.220 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022822.D
 Acq: 25 Jun 2025 14:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-74

Tgt Ion: 75 Resp: 150184
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.033 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. 0.097 min
 Lab File: VY022822.D
 Acq: 25 Jun 2025 14:08

Tgt Ion: 75 Resp: 150184
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.3 35.7 53.5#

