

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022975.D
 Acq On : 08 Jul 2025 15:03
 Operator : SY/MD
 Sample : Q2514-03
 Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-94

Quant Time: Jul 09 02:32:16 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)

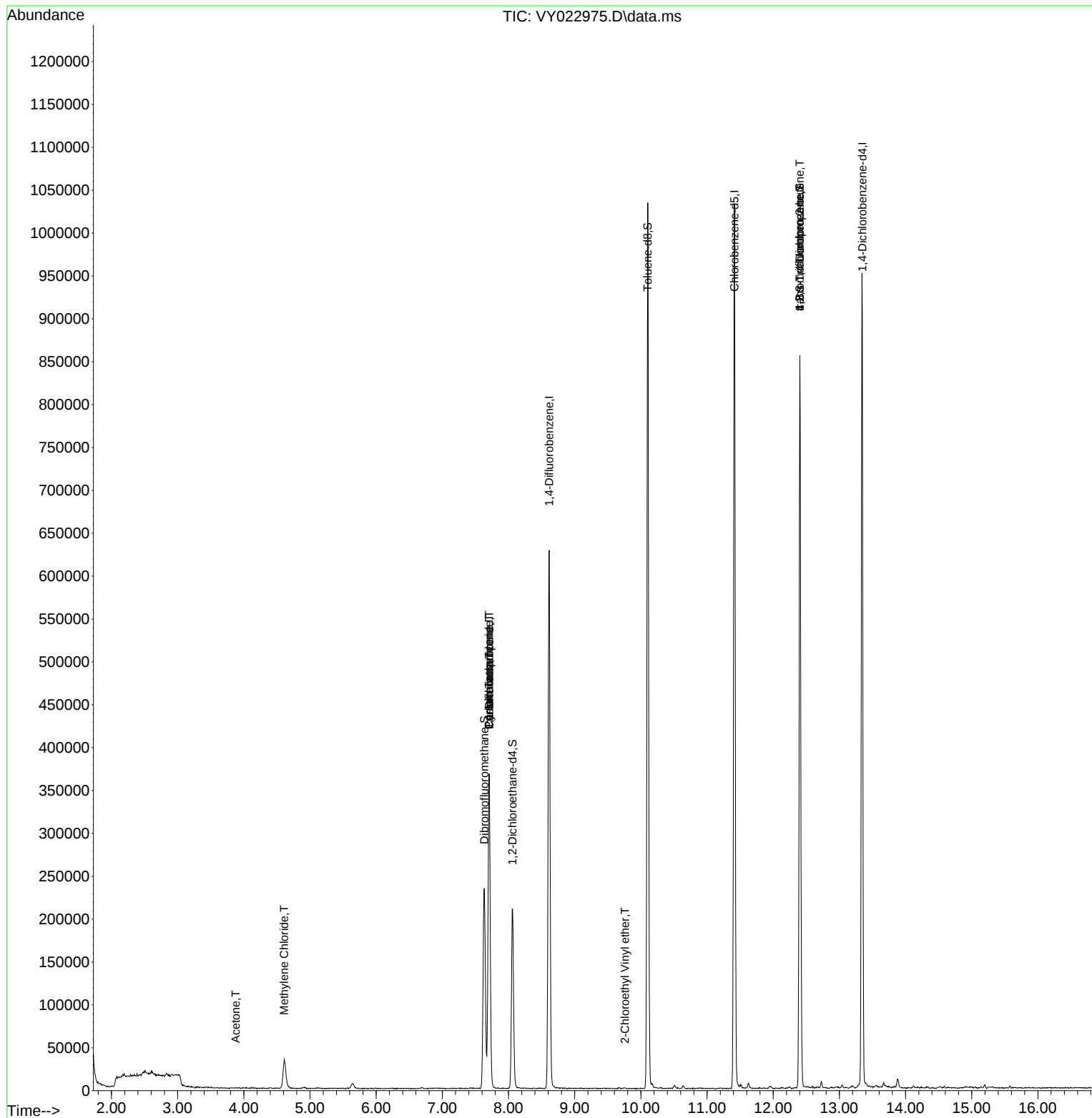
Internal Standards						
1) Pentafluorobenzene	7.707	168	274589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	526595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	522704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	228112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	163927	53.489	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.980%	
35) Dibromofluoromethane	7.634	113	168959	52.759	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.520%	
50) Toluene-d8	10.103	98	650457	51.185	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.380%	
62) 4-Bromofluorobenzene	12.402	95	230529	56.430	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.860%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1152	1.989	ug/l #	72
20) Methylene Chloride	4.610	84	23246	6.355	ug/l	96
31) Cyclohexane	7.707	56	6977	1.325	ug/l #	6
36) 1,1-Dichloropropene	7.707	75	24091	4.963	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28238	5.513	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.762	63	43	15.677	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	129375	55.554	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	129375	140.350	ug/l #	11

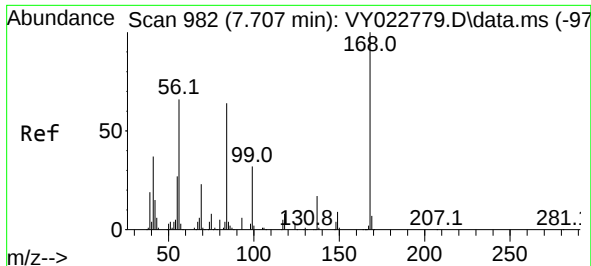
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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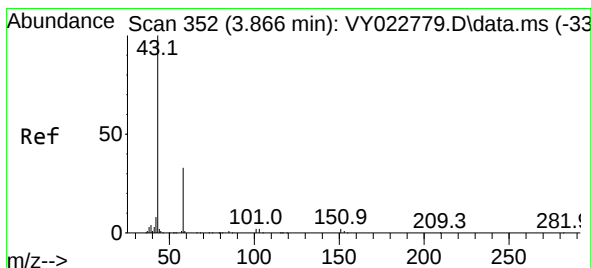
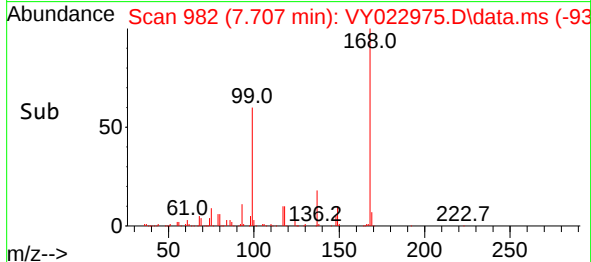
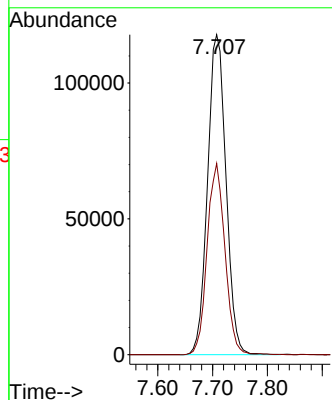
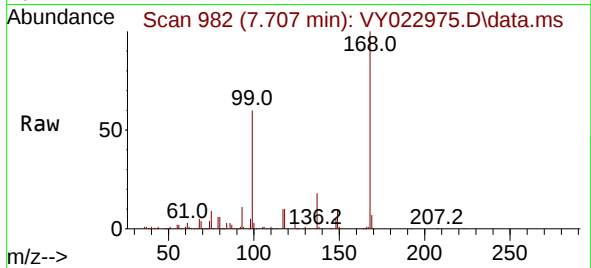




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

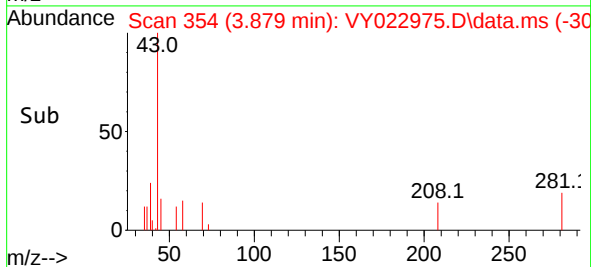
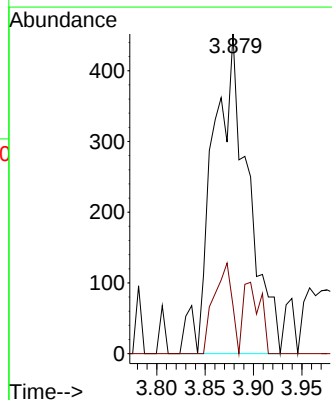
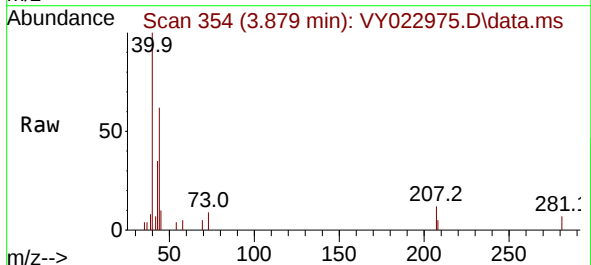
Instrument :
MSVOA_Y
ClientSampleId :
TP-94

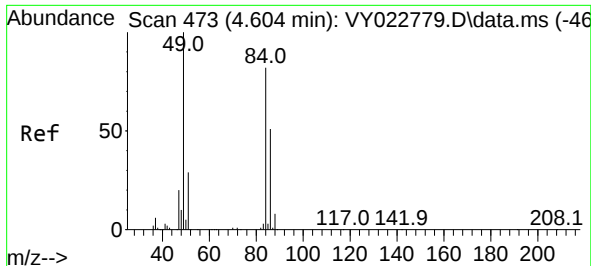
Tgt Ion:168 Resp: 274589
Ion Ratio Lower Upper
168 100
99 59.8 44.3 66.5



#16
Acetone
Concen: 1.989 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
58 15.0 24.0 36.0#

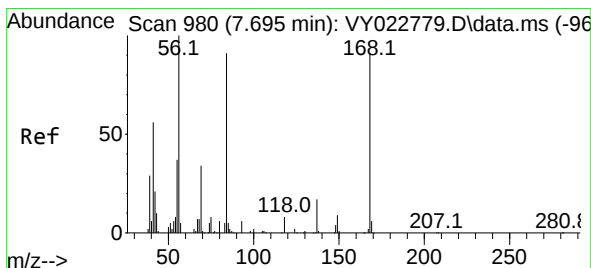
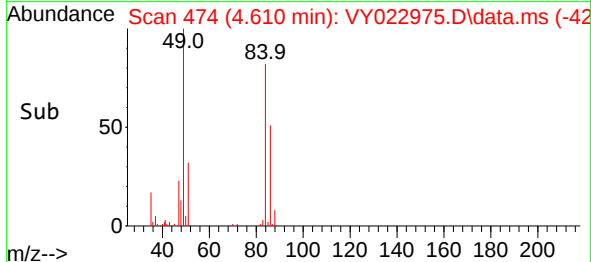
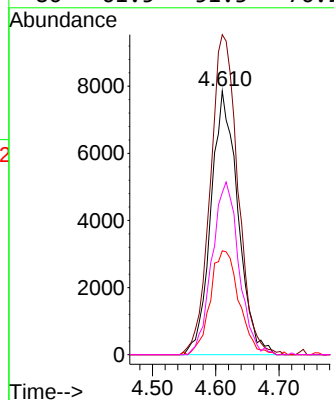
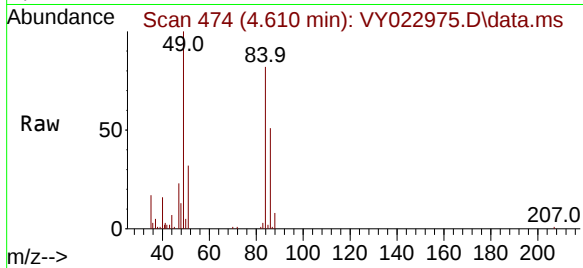




#20
Methylene Chloride
Concen: 6.355 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

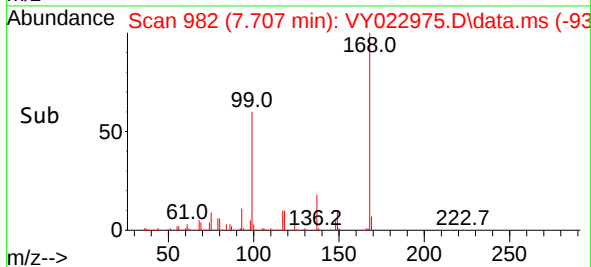
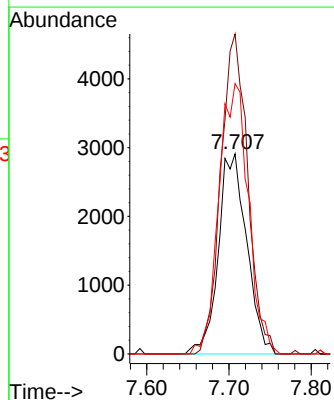
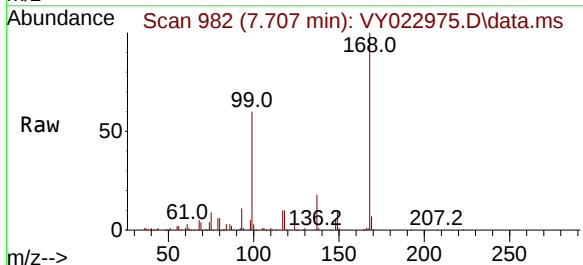
Instrument :
MSVOA_Y
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TP-94

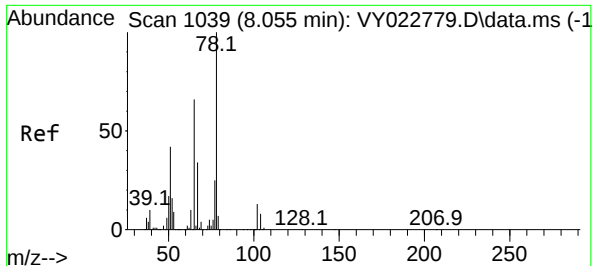
Tgt Ion:	84	Resp:	23246
Ion	Ratio	Lower	Upper
84	100		
49	121.4	101.9	152.9
51	39.4	29.8	44.8
86	61.5	51.3	76.9



#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

Tgt Ion:	56	Resp:	6977
Ion	Ratio	Lower	Upper
56	100		
69	159.9	27.0	40.6#
84	135.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 53.489 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022975.D

Acq: 08 Jul 2025 15:03

Instrument :

MSVOA_Y

ClientSampleId :

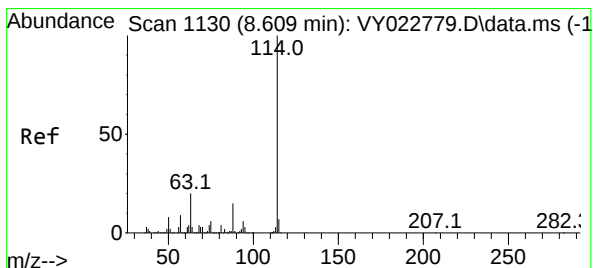
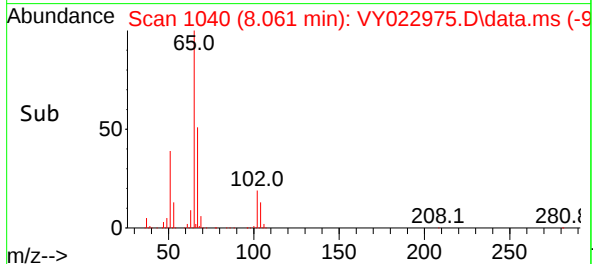
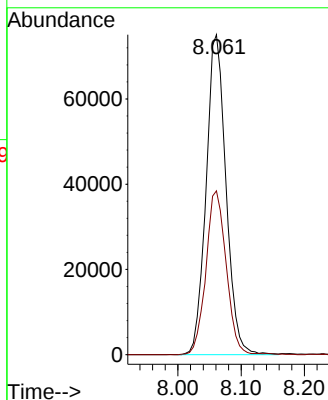
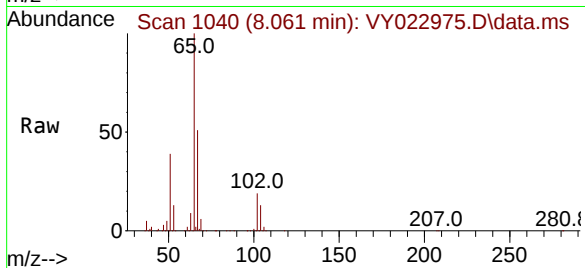
TP-94

Tgt Ion: 65 Resp: 163927

Ion Ratio Lower Upper

65 100

67 52.4 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: VY022975.D

Acq: 08 Jul 2025 15:03

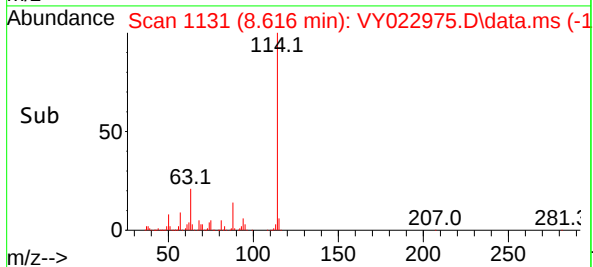
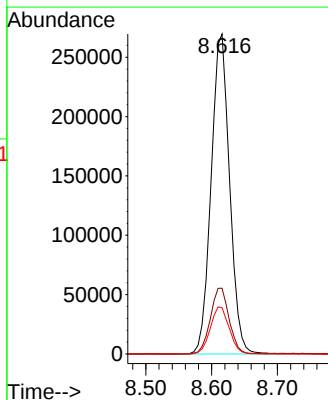
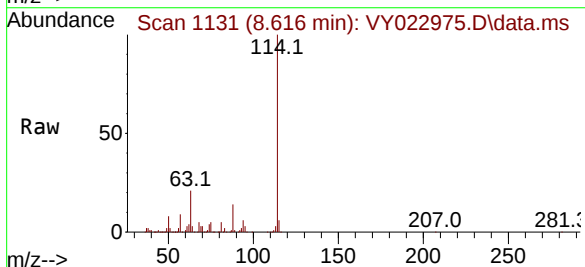
Tgt Ion:114 Resp: 526595

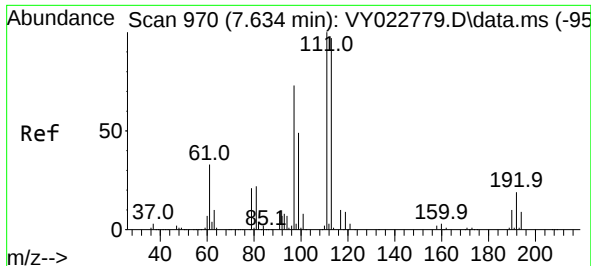
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 14.5 0.0 27.8

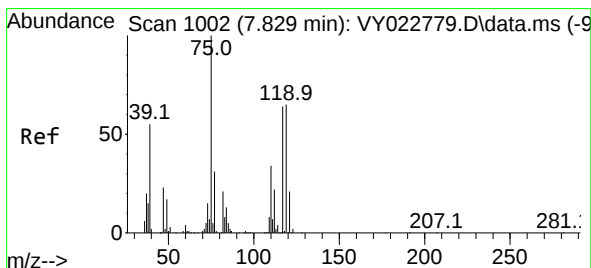
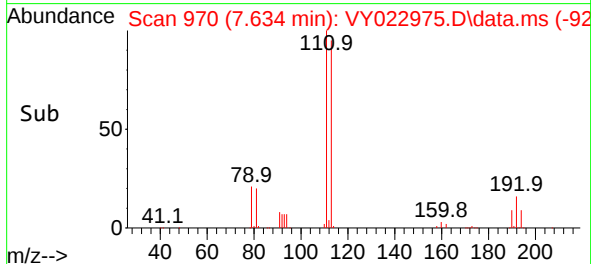
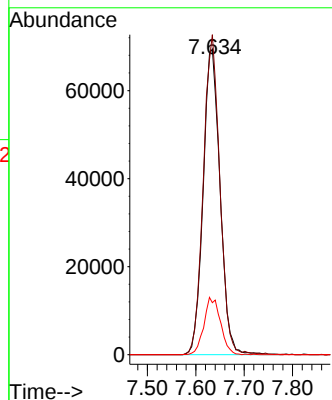
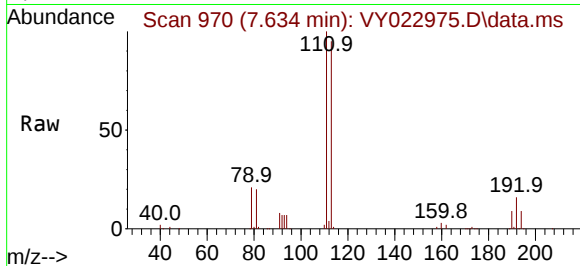




#35
Dibromofluoromethane
Concen: 52.759 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

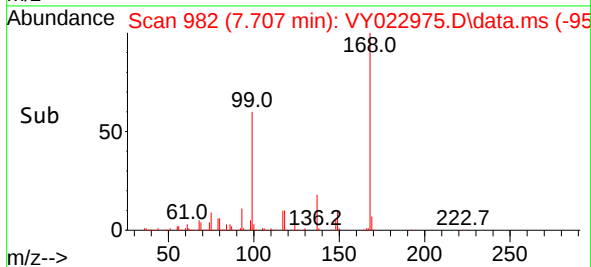
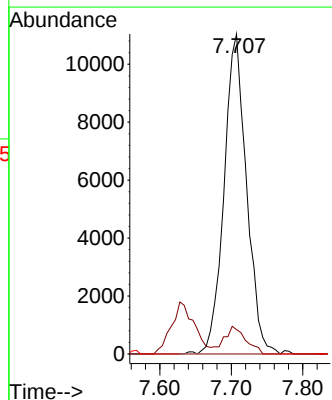
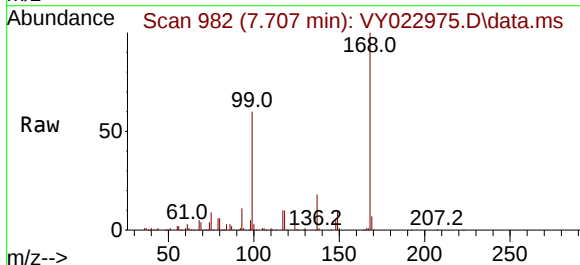
Instrument :
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ClientSampleId :
TP-94

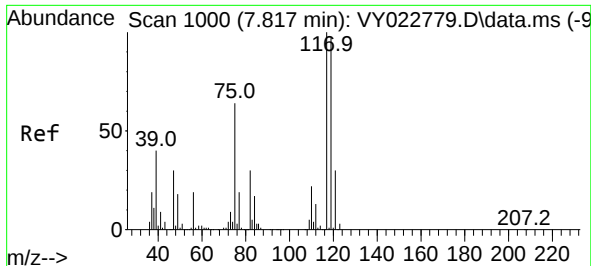
Tgt Ion:113 Resp: 168959
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 18.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.963 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 75 Resp: 24091
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 0.0 24.8 37.2#

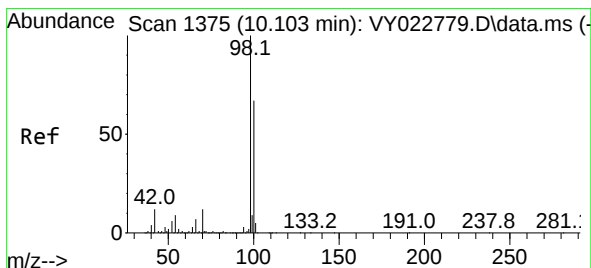
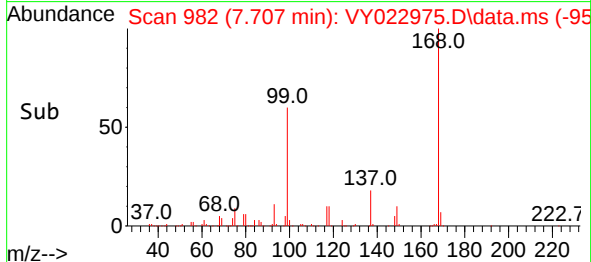
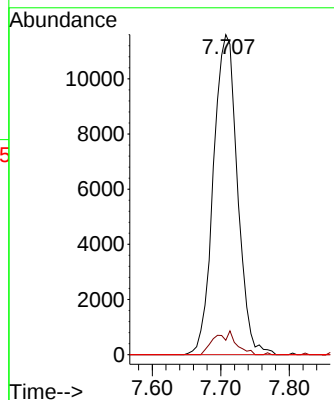
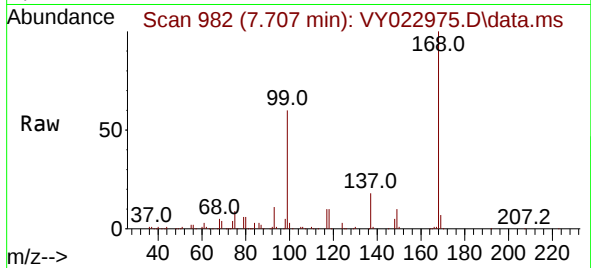




#38
Carbon Tetrachloride
Concen: 5.513 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

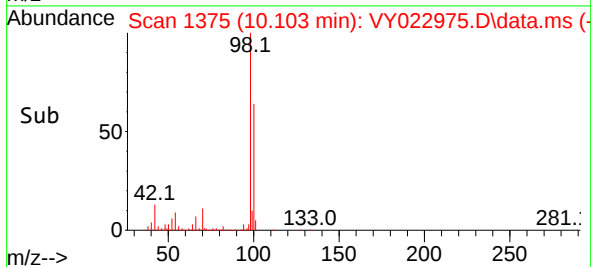
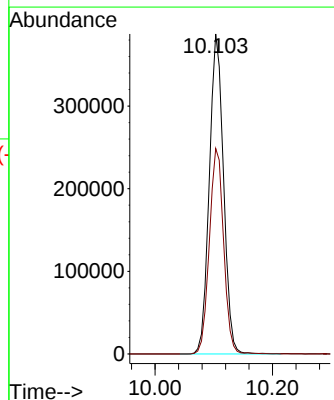
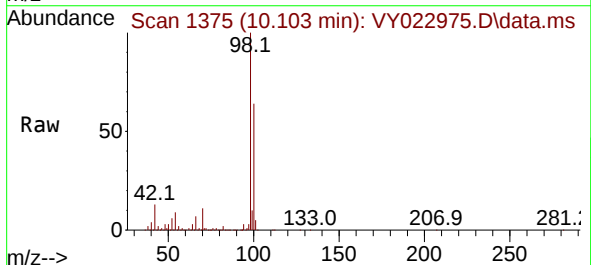
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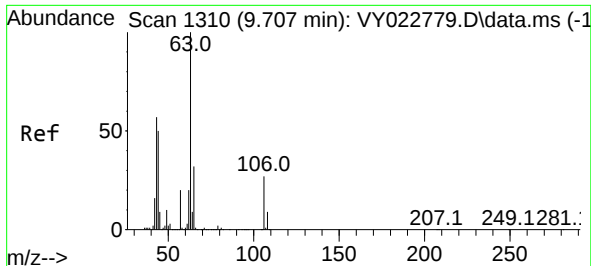
Tgt Ion:117 Resp: 28238
Ion Ratio Lower Upper
117 100
119 4.5 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.185 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 98 Resp: 650457
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0

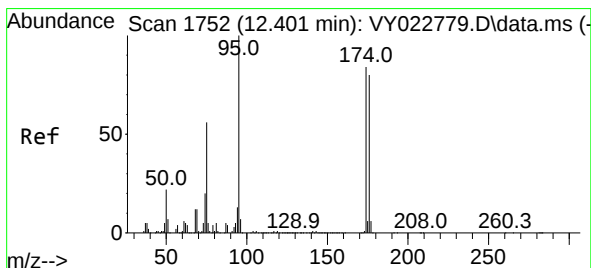
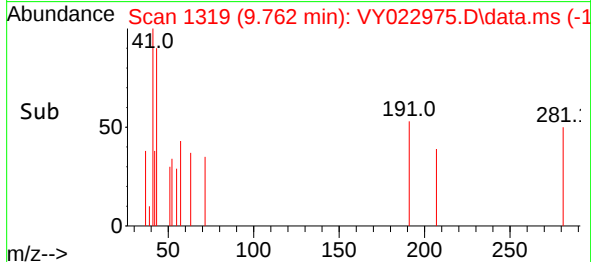
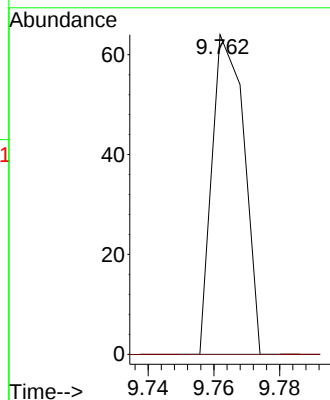
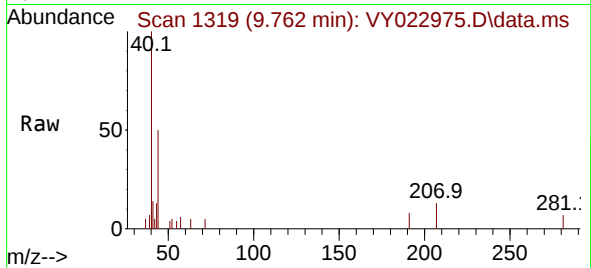




#58
2-Chloroethyl Vinyl ether
Concen: 15.677 ug/l
RT: 9.762 min Scan# 1319
Delta R.T. 0.049 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

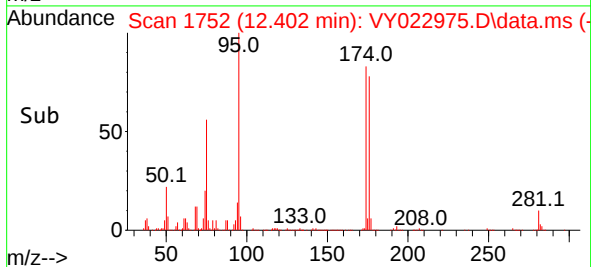
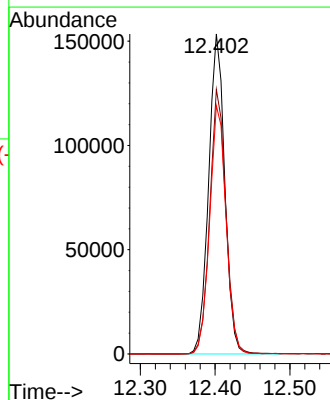
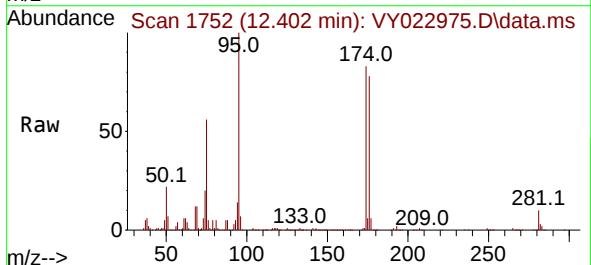
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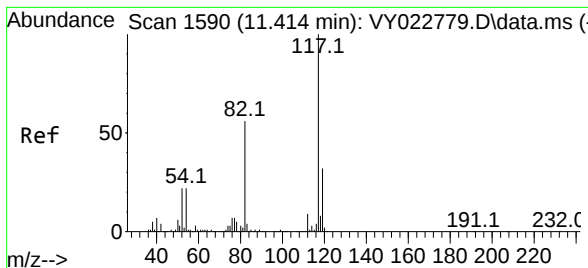
Tgt Ion: 63 Resp: 43
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 56.430 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 95 Resp: 230529
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.0
176 78.8 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: VY022975.D

Acq: 08 Jul 2025 15:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-94

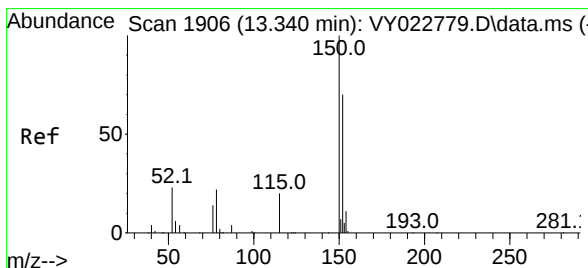
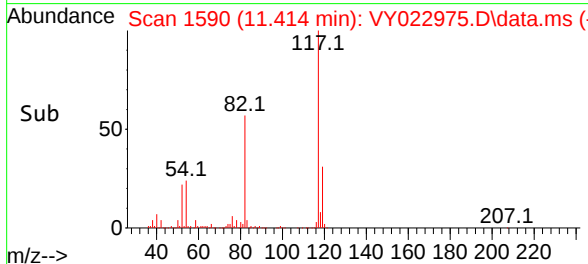
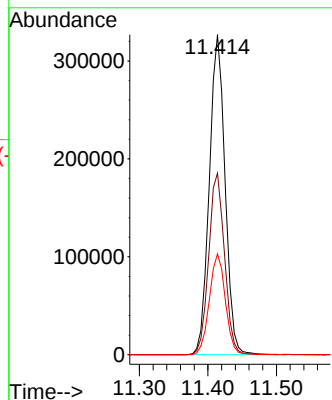
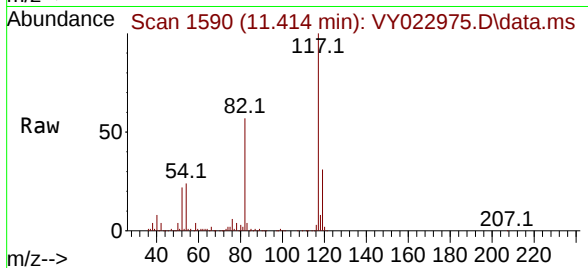
Tgt Ion:117 Resp: 522704

Ion Ratio Lower Upper

117 100

82 56.7 44.6 66.8

119 31.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022975.D

Acq: 08 Jul 2025 15:03

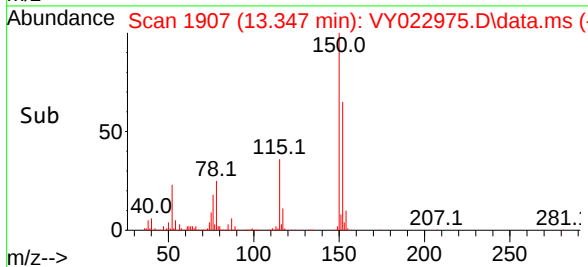
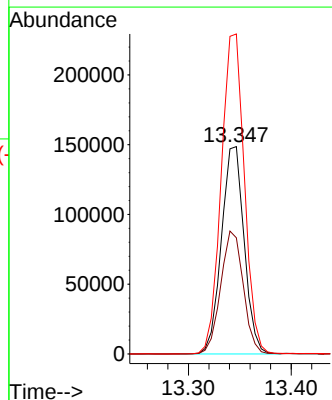
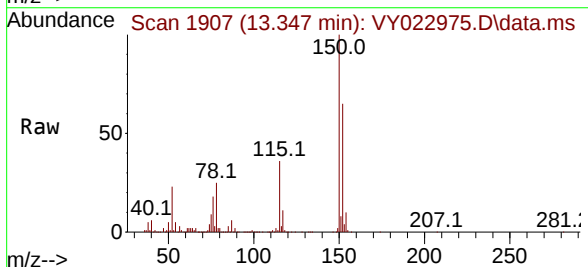
Tgt Ion:152 Resp: 228112

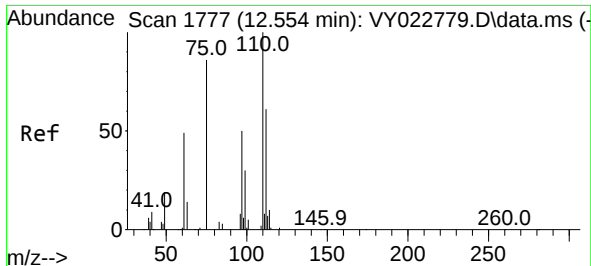
Ion Ratio Lower Upper

152 100

115 58.9 28.9 86.7

150 157.2 0.0 349.6

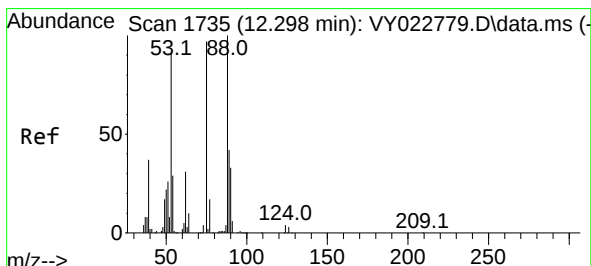
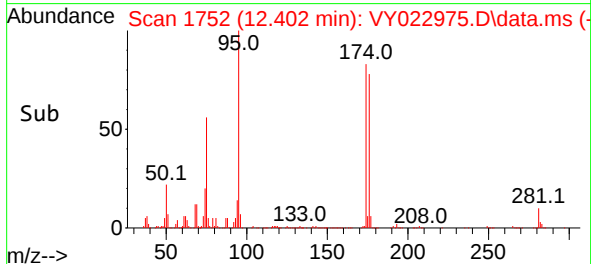
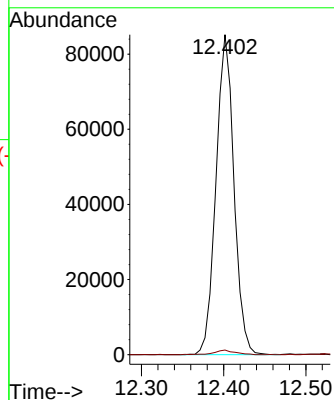
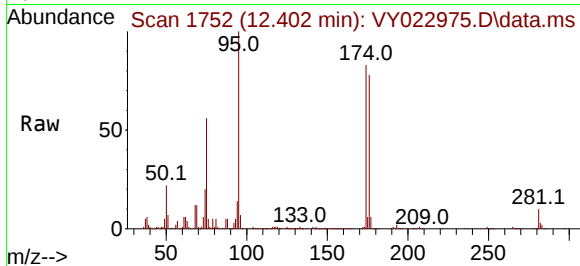




#76
1,2,3-Trichloropropane
Concen: 55.554 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

Instrument :
MSVOA_Y
ClientSampleId :
TP-94

Tgt Ion: 75 Resp: 129375
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.350 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022975.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 75 Resp: 129375
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.1 35.7 53.5#

