

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022978.D
 Acq On : 08 Jul 2025 16:13
 Operator : SY/MD
 Sample : Q2514-06
 Misc : 3.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-103

Quant Time: Jul 09 02:33:35 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)

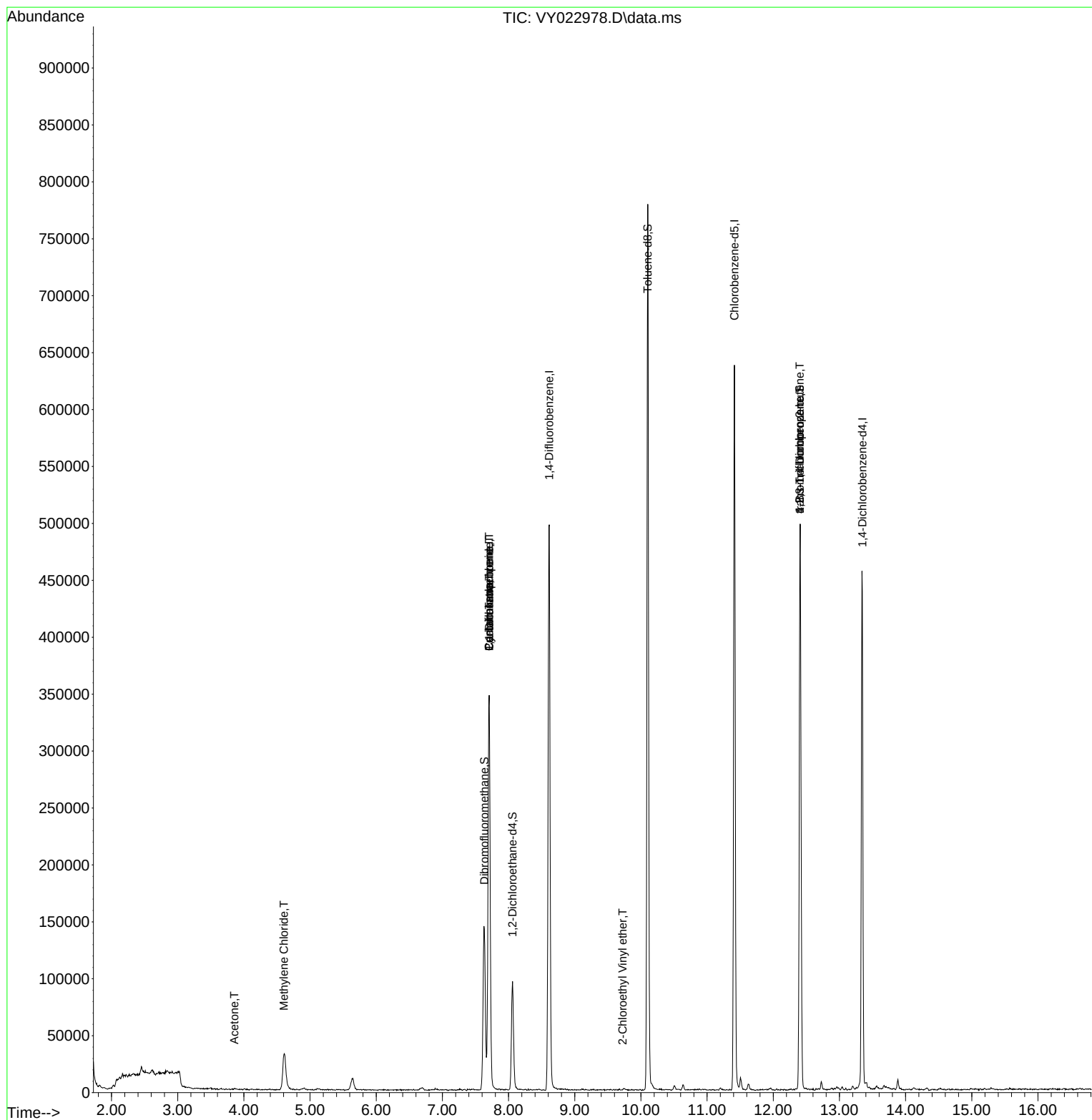
Internal Standards						
1) Pentafluorobenzene	7.707	168	260060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	419648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	329265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	75794	26.113	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	52.220%
35) Dibromofluoromethane	7.634	113	100178	39.253	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.500%
50) Toluene-d8	10.103	98	490122	48.397	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.800%
62) 4-Bromofluorobenzene	12.401	95	122013	37.479	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.960%
Target Compounds						
					Qvalue	
16) Acetone	3.854	43	733	1.336	ug/l #	77
20) Methylene Chloride	4.604	84	23368	6.745	ug/l	94
31) Cyclohexane	7.707	56	6903	1.385	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	24068	6.222	ug/l #	50
38) Carbon Tetrachloride	7.707	117	25917	6.350	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.725	63	48	15.686	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	68045	59.433	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	68045	150.151	ug/l #	11

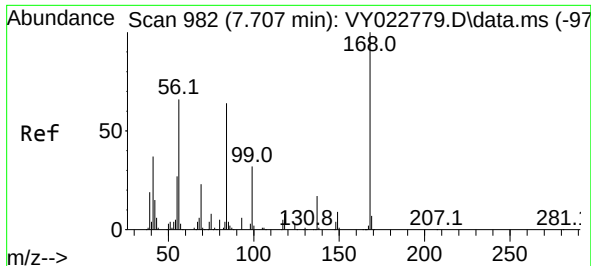
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-103

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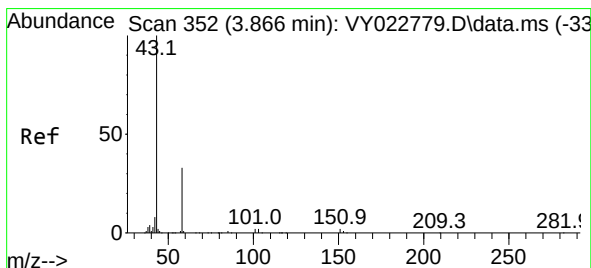
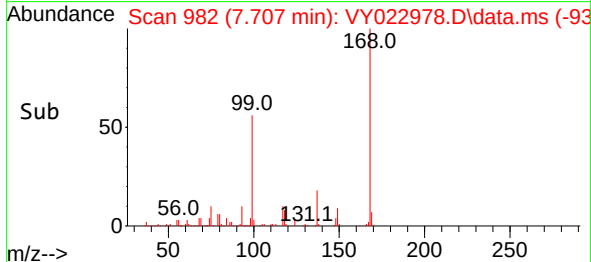
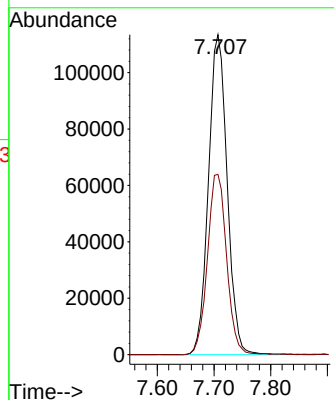
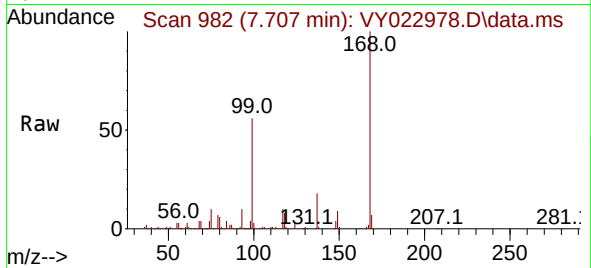




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022978.D
Acq: 08 Jul 2025 16:13

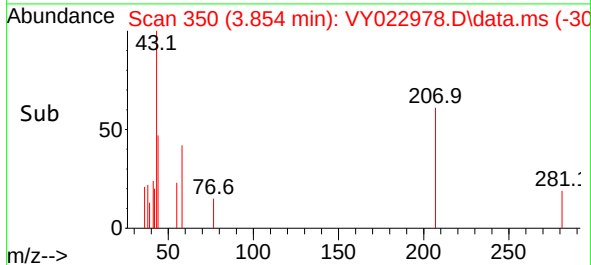
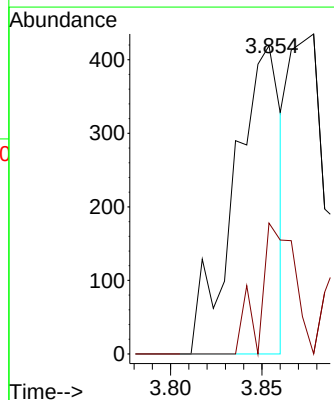
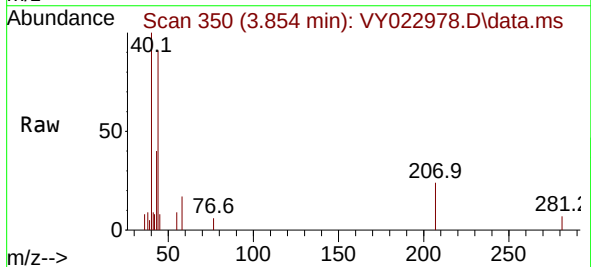
Instrument :
MSVOA_Y
ClientSampleId :
TP-103

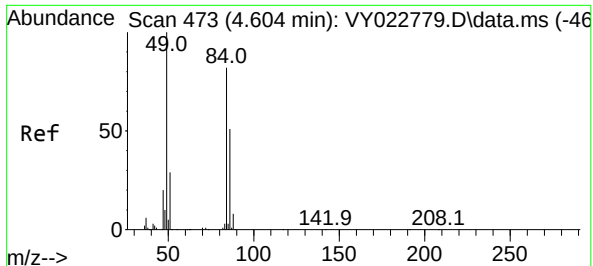
Tgt Ion:168 Resp: 260060
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#16
Acetone
Concen: 1.336 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.025 min
Lab File: VY022978.D
Acq: 08 Jul 2025 16:13

Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
58 42.5 24.0 36.0#



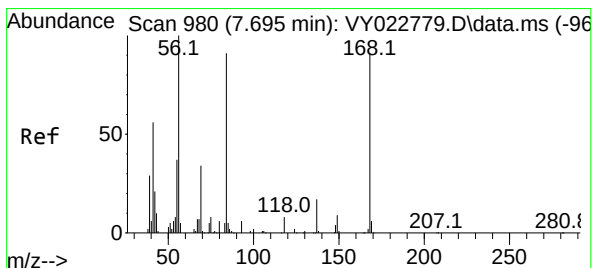
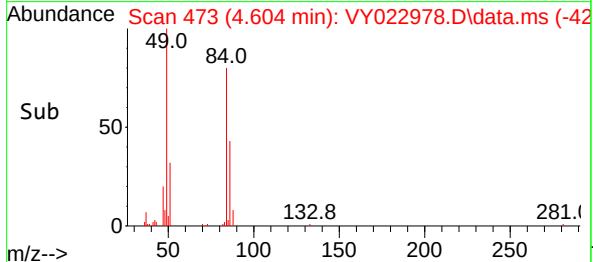
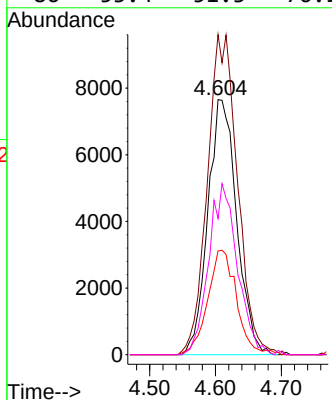
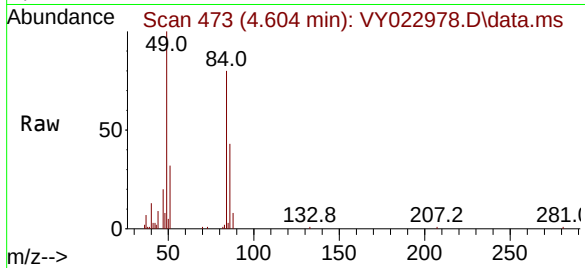


#20
Methylene Chloride
Concen: 6.745 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.019 min
Lab File: VY022978.D
Acq: 08 Jul 2025 16:13

Instrument :
MSVOA_Y
ClientSampleId :
TP-103

Tgt Ion: 84 Resp: 23368

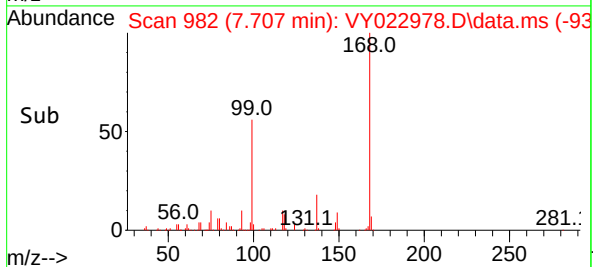
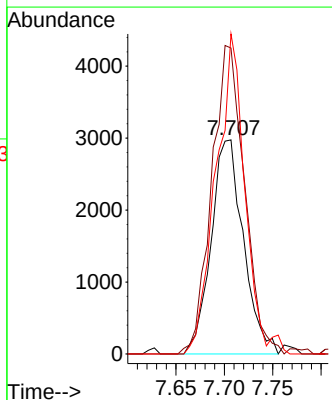
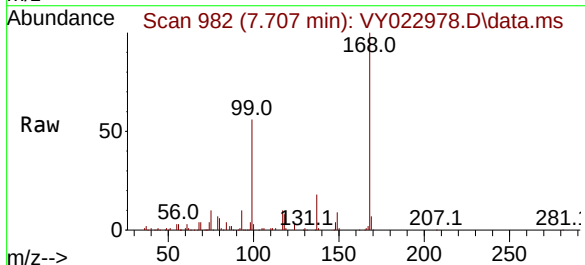
Ion	Ratio	Lower	Upper
84	100		
49	125.5	101.9	152.9
51	40.6	29.8	44.8
86	53.4	51.3	76.9

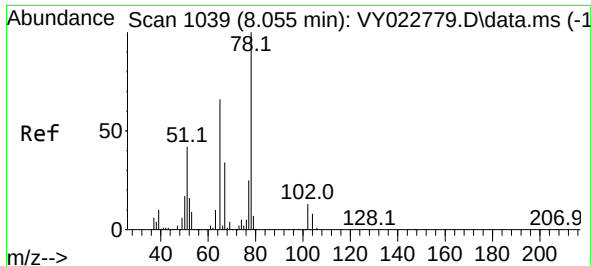


#31
Cyclohexane
Concen: 1.385 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.001 min
Lab File: VY022978.D
Acq: 08 Jul 2025 16:13

Tgt Ion: 56 Resp: 6903

Ion	Ratio	Lower	Upper
56	100		
69	142.9	27.0	40.6#
84	149.4	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 26.113 ug/l

RT: 8.060 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VY022978.D

Acq: 08 Jul 2025 16:13

Instrument :

MSVOA_Y

ClientSampleId :

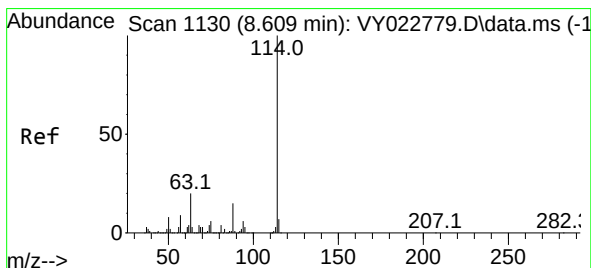
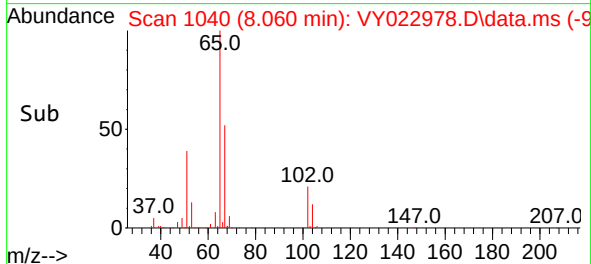
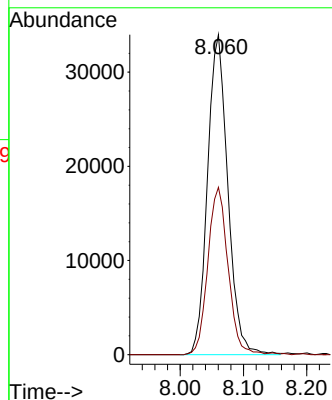
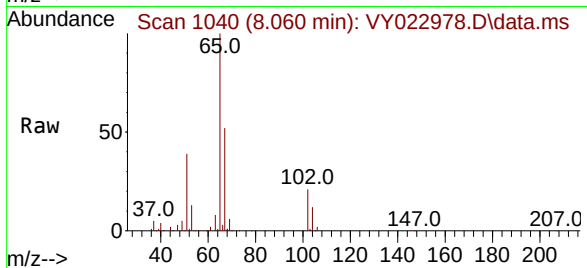
TP-103

Tgt Ion: 65 Resp: 75794

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022978.D

Acq: 08 Jul 2025 16:13

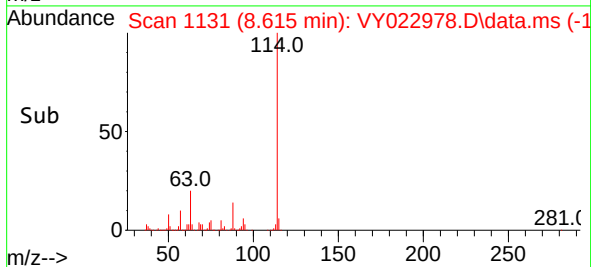
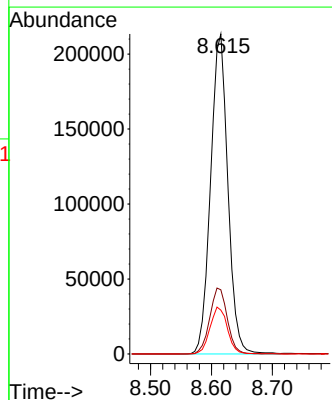
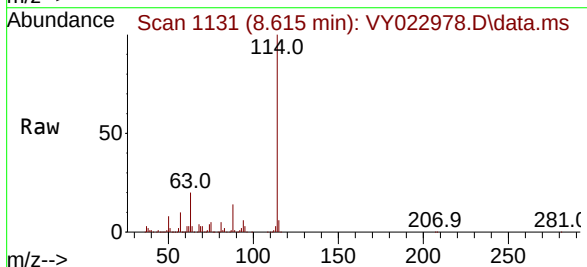
Tgt Ion: 114 Resp: 419648

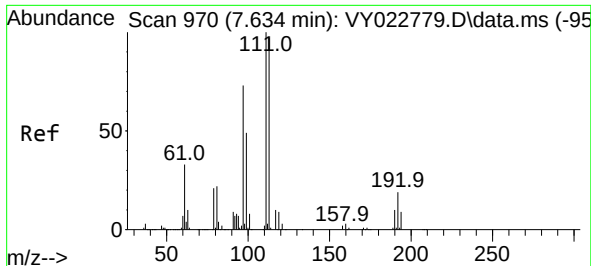
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 13.7 0.0 27.8

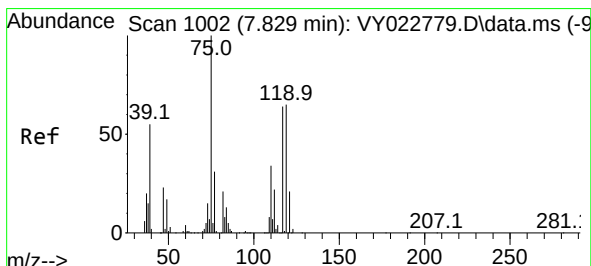
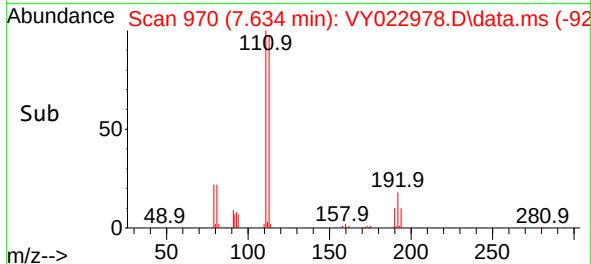
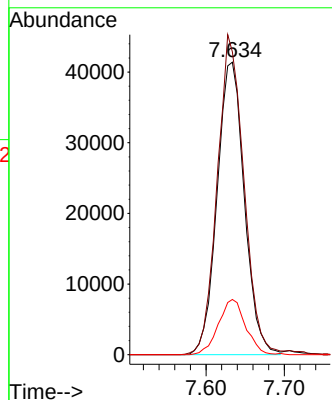
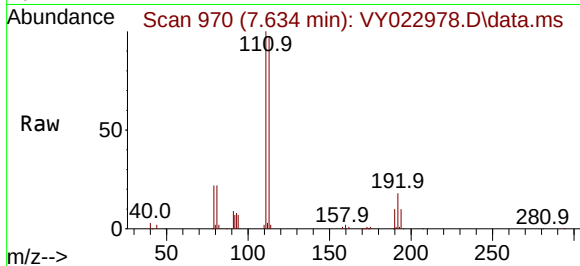




#35
Dibromofluoromethane
Concen: 39.253 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY022978.D
Acq: 08 Jul 2025 16:13

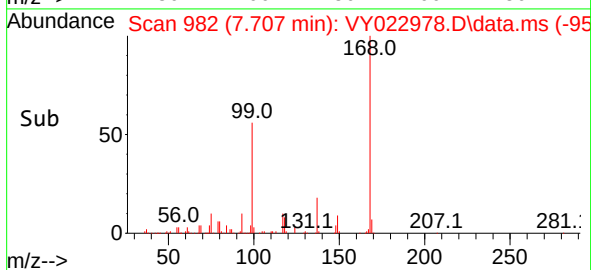
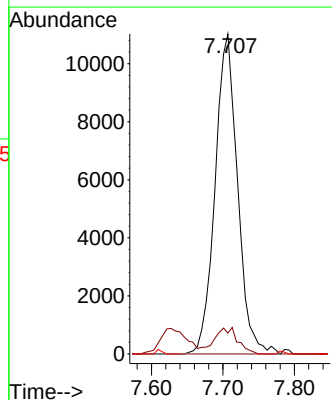
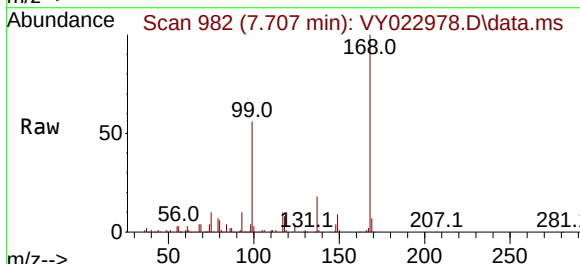
Instrument :
MSVOA_Y
ClientSampleId :
TP-103

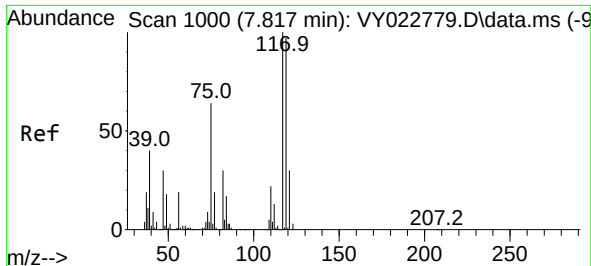
Tgt Ion:113 Resp: 100178
Ion Ratio Lower Upper
113 100
111 107.4 81.1 121.7
192 18.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 6.222 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.135 min
Lab File: VY022978.D
Acq: 08 Jul 2025 16:13

Tgt Ion: 75 Resp: 24068
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 0.0 24.8 37.2#

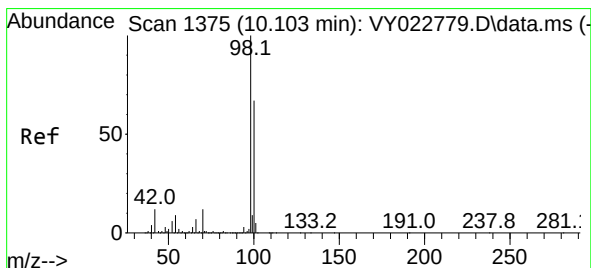
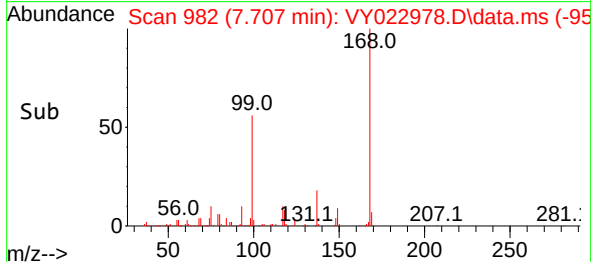
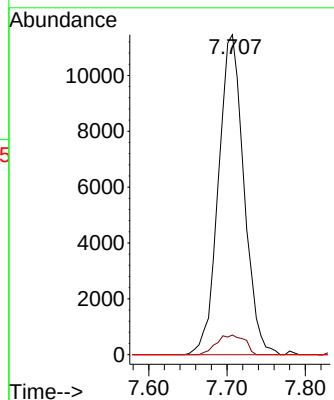
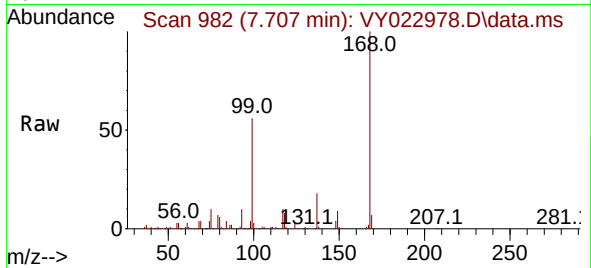




#38
Carbon Tetrachloride
Concen: 6.350 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022978.D
Acq: 08 Jul 2025 16:13

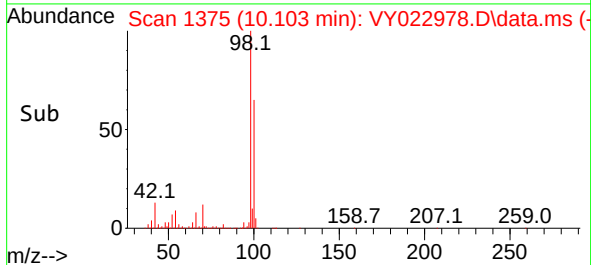
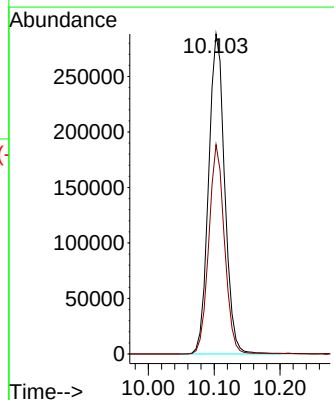
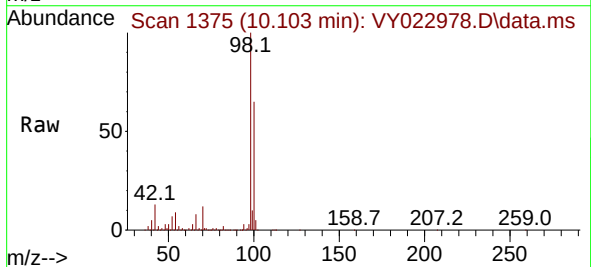
Instrument :
MSVOA_Y
ClientSampleId :
TP-103

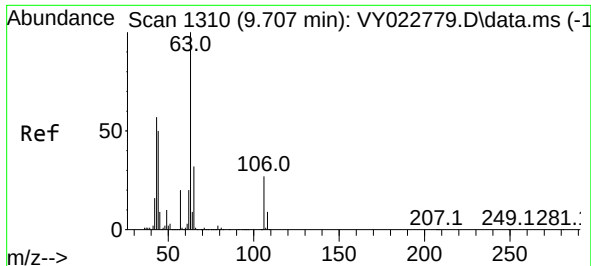
Tgt Ion:117 Resp: 25917
Ion Ratio Lower Upper
117 100
119 6.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 48.397 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VY022978.D
Acq: 08 Jul 2025 16:13

Tgt Ion: 98 Resp: 490122
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

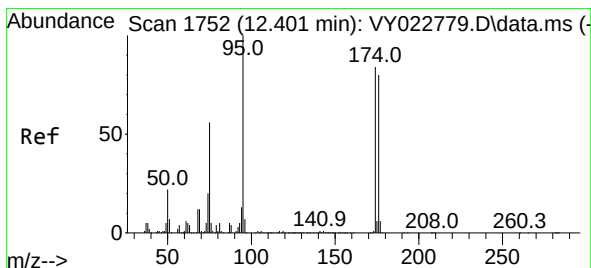
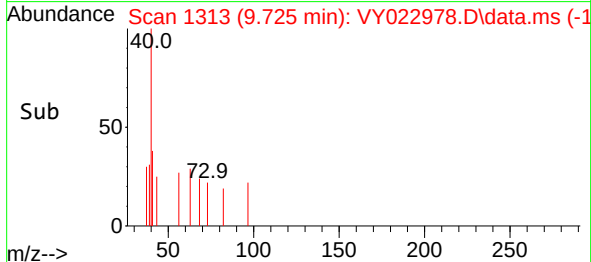
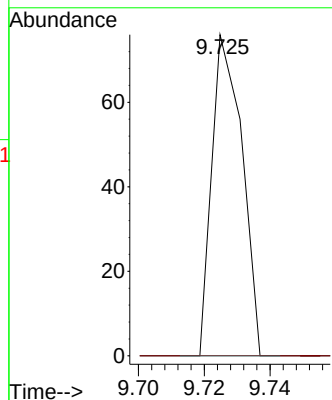
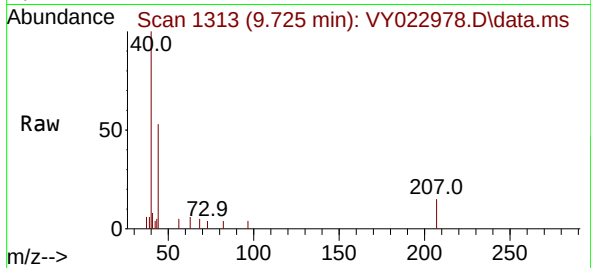




#58
2-Chloroethyl Vinyl ether
Concen: 15.686 ug/l
RT: 9.725 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022978.D
Acq: 08 Jul 2025 16:13

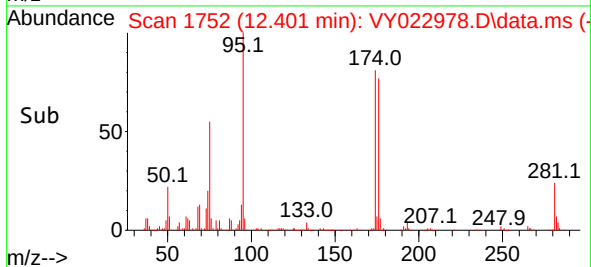
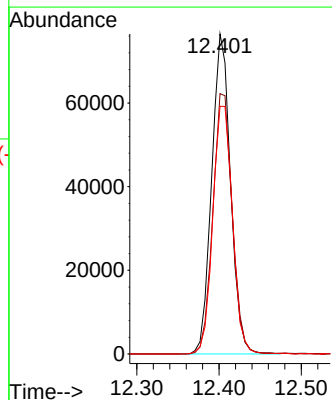
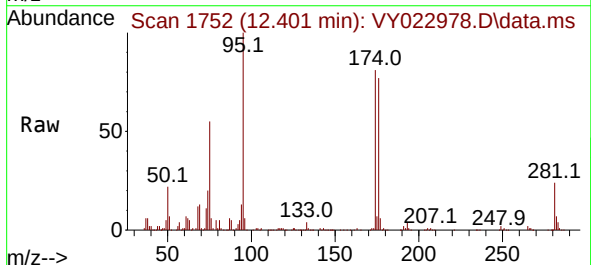
Instrument :
MSVOA_Y
ClientSampleId :
TP-103

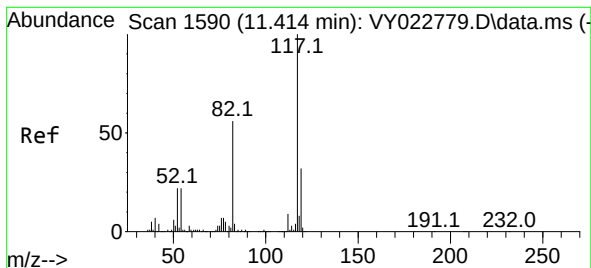
Tgt Ion: 63 Resp: 48
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 37.479 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022978.D
Acq: 08 Jul 2025 16:13

Tgt Ion: 95 Resp: 122013
Ion Ratio Lower Upper
95 100
174 83.4 0.0 170.0
176 81.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY022978.D

Acq: 08 Jul 2025 16:13

Instrument :

MSVOA_Y

ClientSampleId :

TP-103

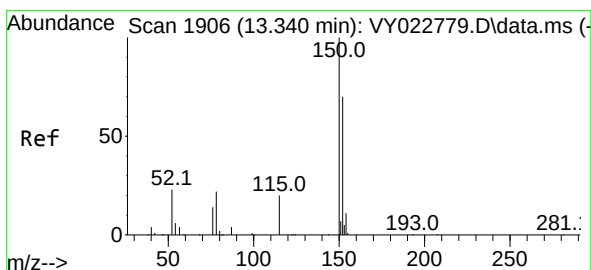
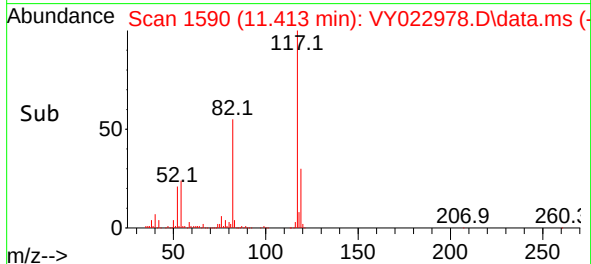
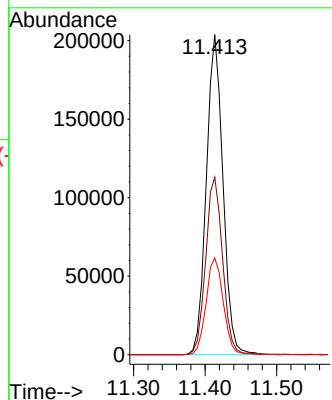
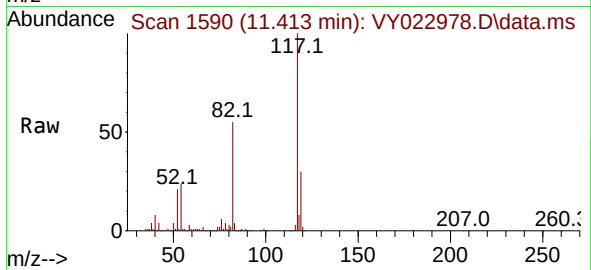
Tgt Ion:117 Resp: 329265

Ion Ratio Lower Upper

117 100

82 55.5 44.6 66.8

119 30.2 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: VY022978.D

Acq: 08 Jul 2025 16:13

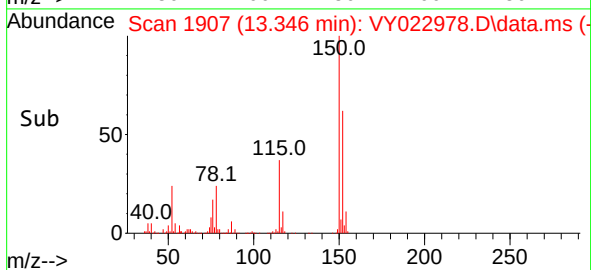
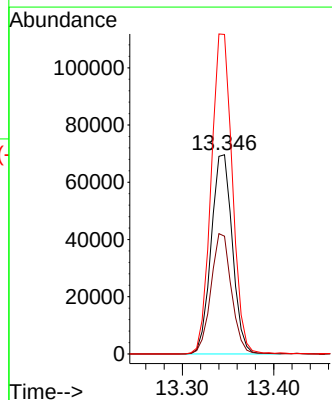
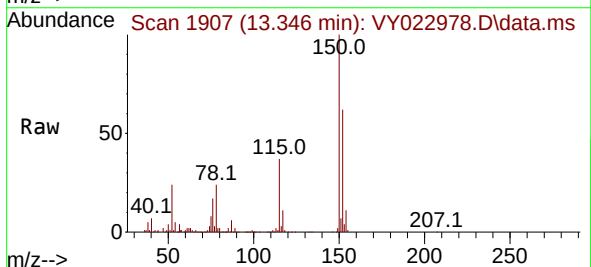
Tgt Ion:152 Resp: 112145

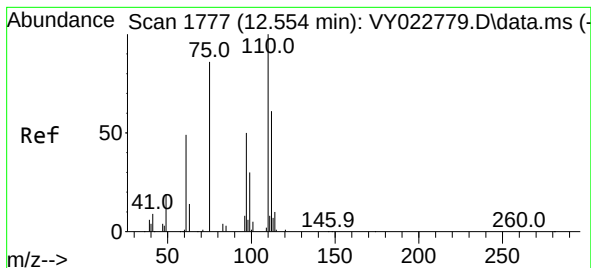
Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

150 160.1 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 59.433 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022978.D

Acq: 08 Jul 2025 16:13

Instrument :

MSVOA_Y

ClientSampleId :

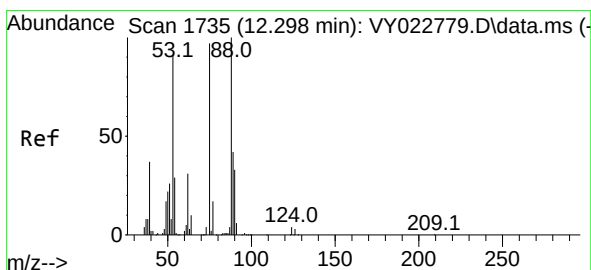
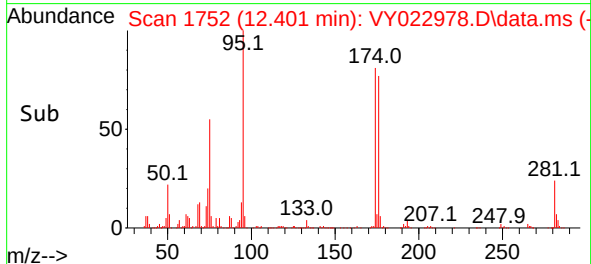
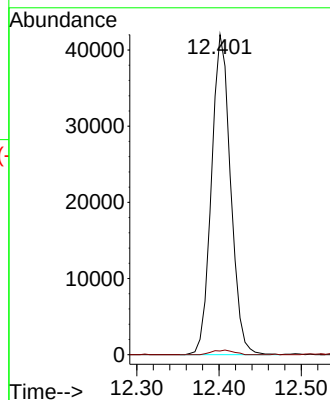
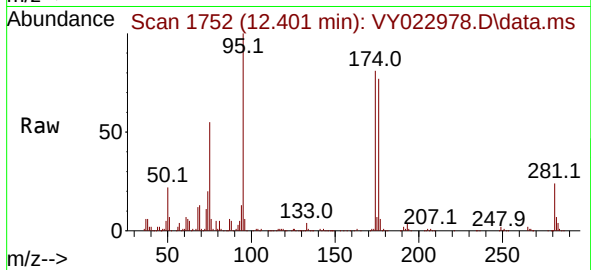
TP-103

Tgt Ion: 75 Resp: 68045

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.151 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022978.D

Acq: 08 Jul 2025 16:13

Tgt Ion: 75 Resp: 68045

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.8 35.7 53.5#

