

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022980.D
 Acq On : 08 Jul 2025 17:00
 Operator : SY/MD
 Sample : Q2514-08
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-78

Quant Time: Jul 09 02:34:16 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)

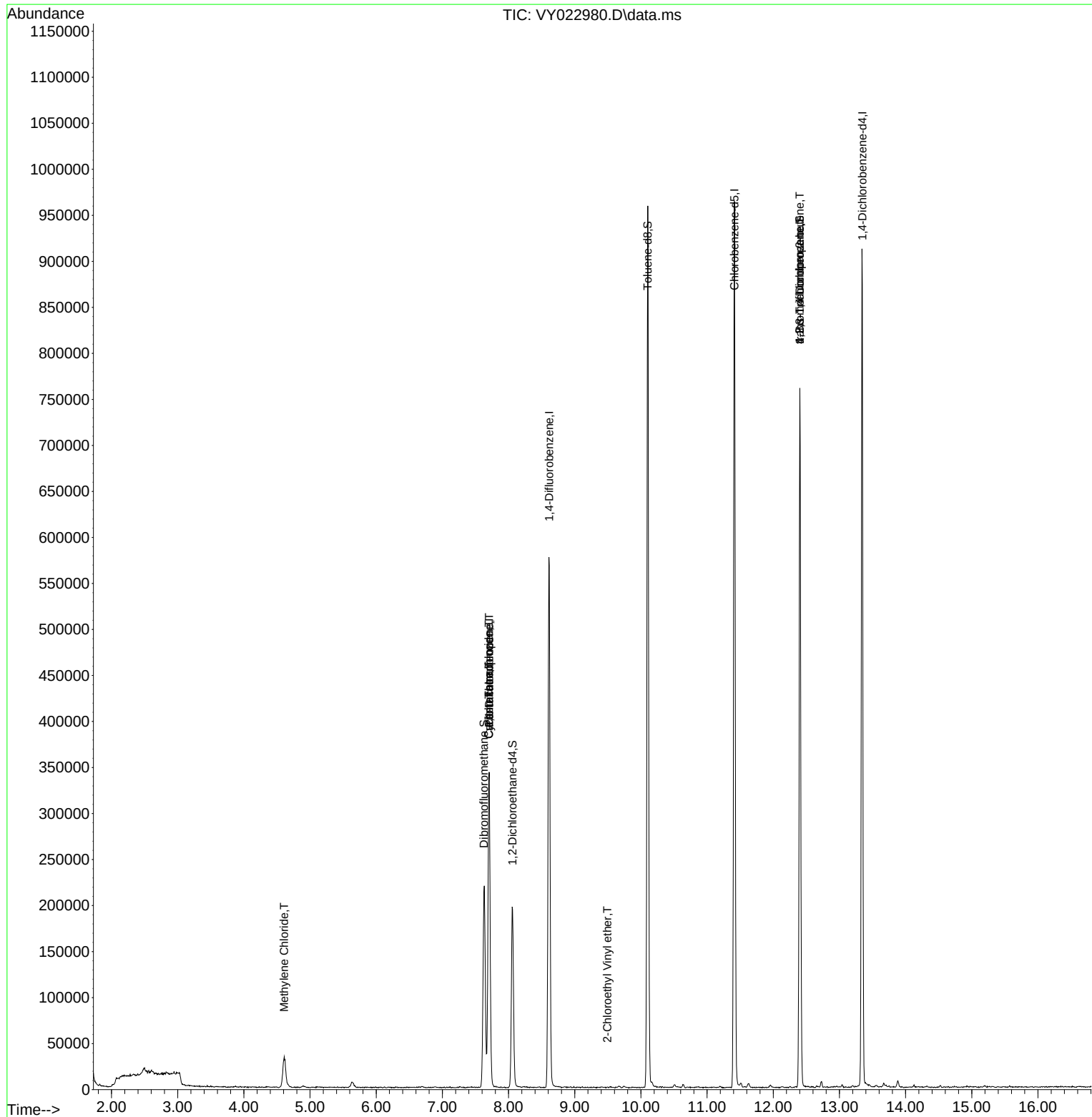
Internal Standards						
1) Pentafluorobenzene	7.707	168	255362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	483185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	487885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155255	54.474	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.940%	
35) Dibromofluoromethane	7.628	113	151119	51.427	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.860%	
50) Toluene-d8	10.103	98	600761	51.522	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.040%	
62) 4-Bromofluorobenzene	12.401	95	211504	56.425	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.840%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	22739	6.684	ug/l	94
31) Cyclohexane	7.701	56	6088	1.244	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	22176	4.979	ug/l #	51
38) Carbon Tetrachloride	7.701	117	26833	5.710	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.493	63	56	15.687	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	120110	54.265	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	120110	137.094	ug/l #	11

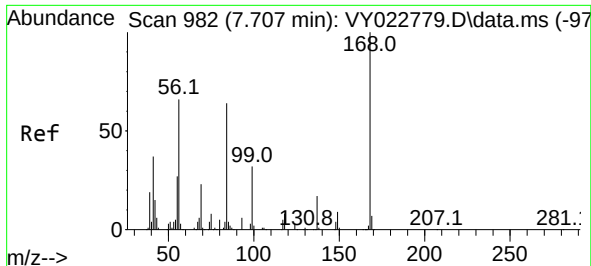
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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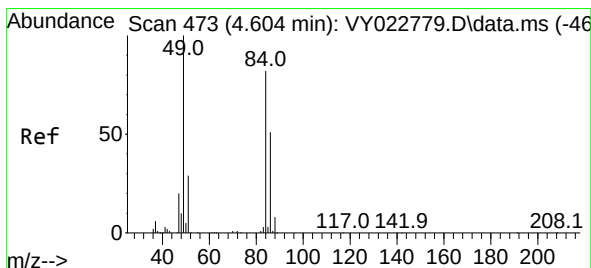
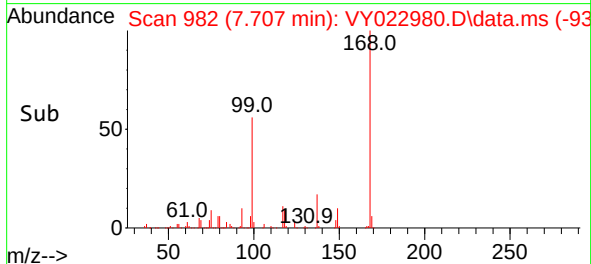
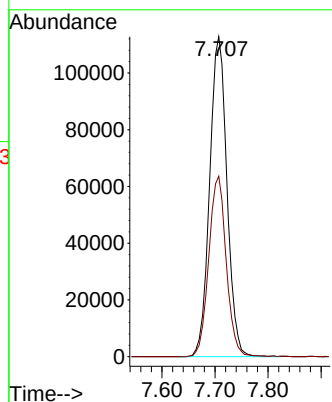
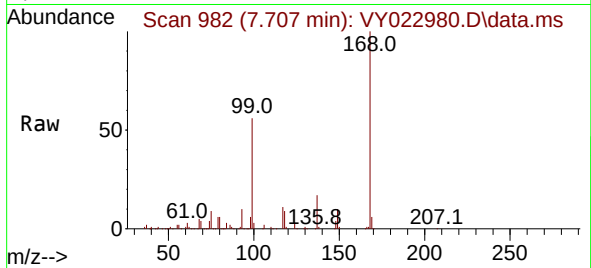




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

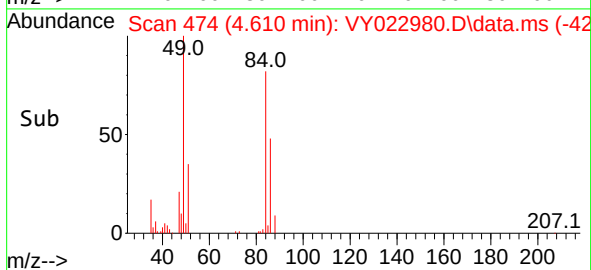
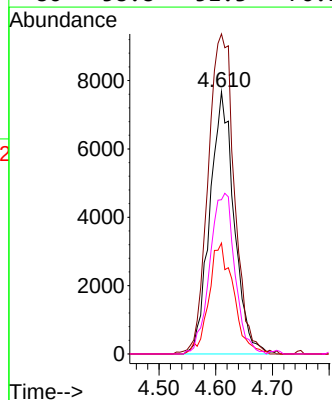
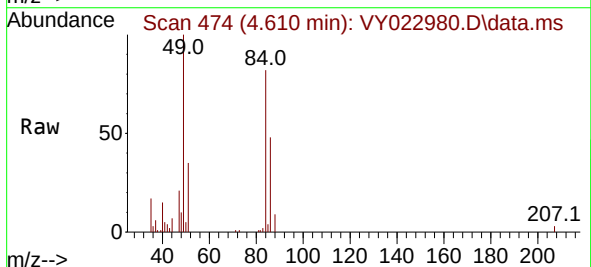
Instrument :
MSVOA_Y
ClientSampleId :
TP-78

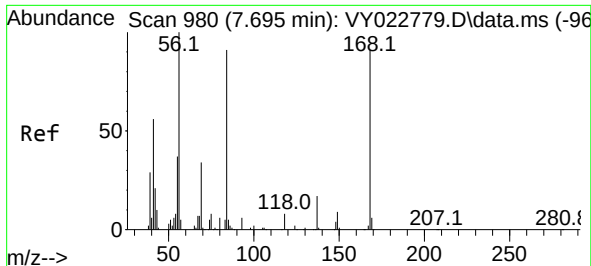
Tgt Ion:168 Resp: 255362
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#20
Methylene Chloride
Concen: 6.684 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.013 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

Tgt Ion: 84 Resp: 22739
Ion Ratio Lower Upper
84 100
49 122.1 101.9 152.9
51 42.3 29.8 44.8
86 58.8 51.3 76.9

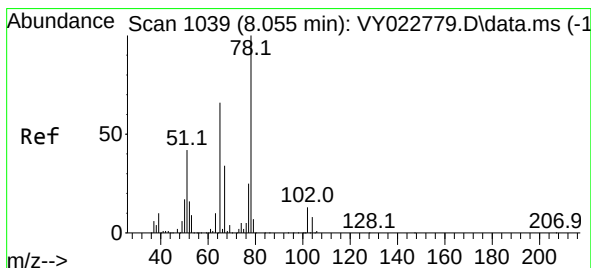
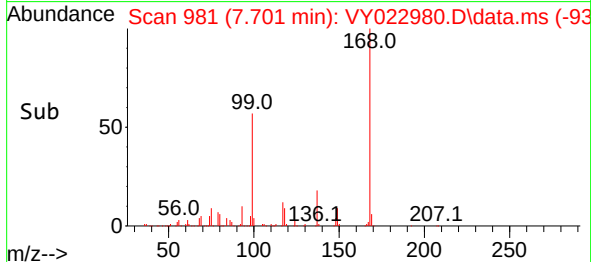
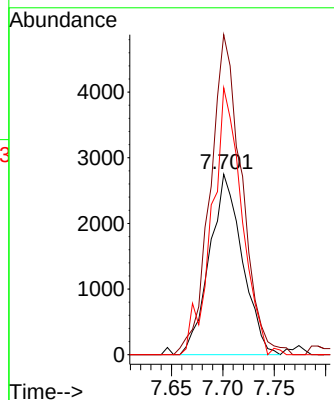
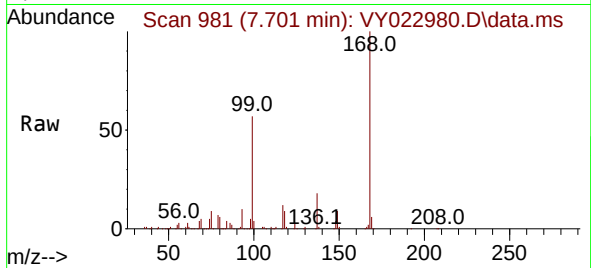




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

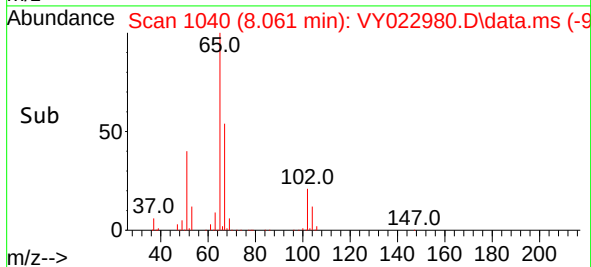
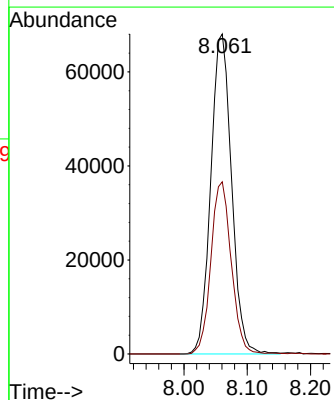
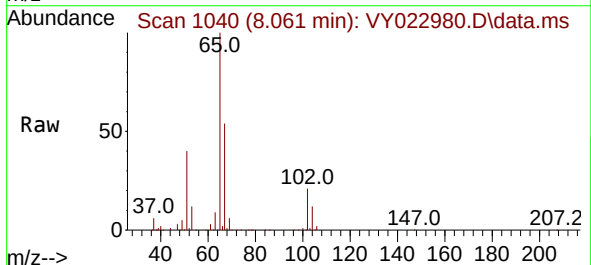
Instrument :
MSVOA_Y
ClientSampleId :
TP-78

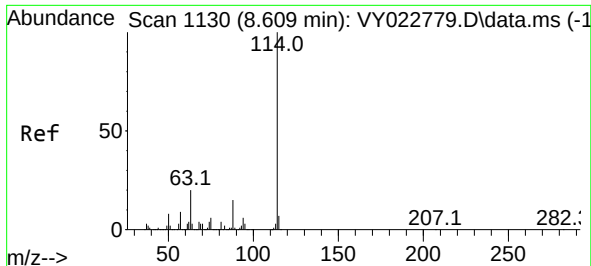
Tgt Ion: 56 Resp: 6088
Ion Ratio Lower Upper
56 100
69 173.7 27.0 40.6#
84 147.9 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 54.474 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

Tgt Ion: 65 Resp: 155255
Ion Ratio Lower Upper
65 100
67 52.8 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: VY022980.D

Acq: 08 Jul 2025 17:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-78

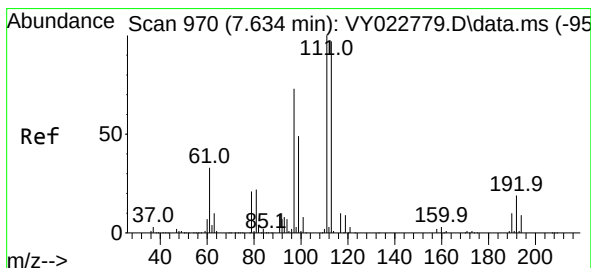
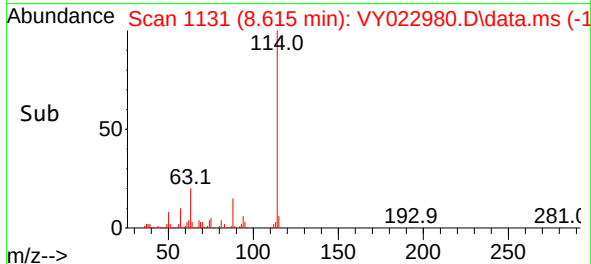
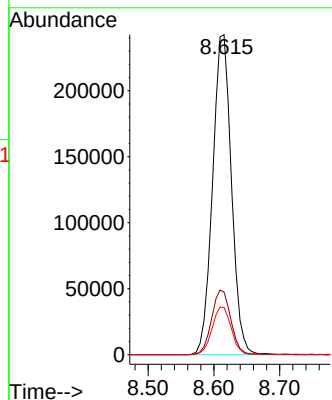
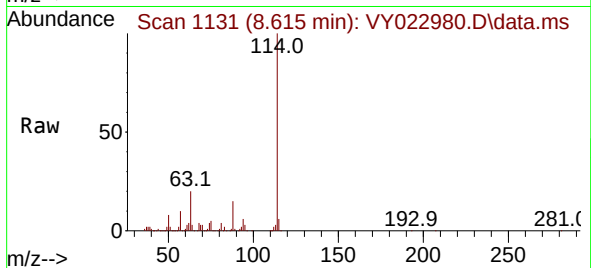
Tgt Ion:114 Resp: 483185

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 14.7 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.427 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.013 min

Lab File: VY022980.D

Acq: 08 Jul 2025 17:00

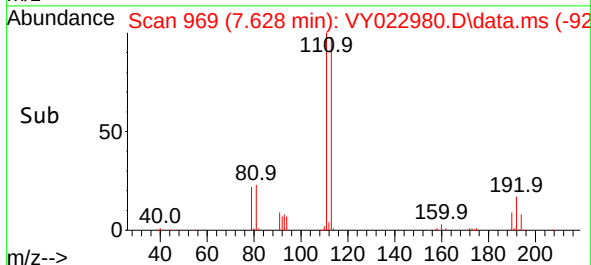
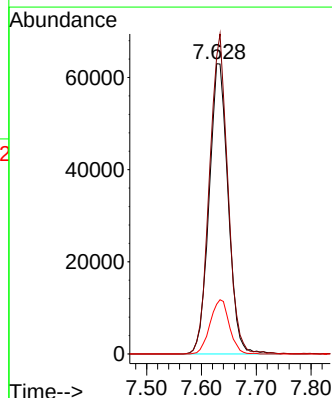
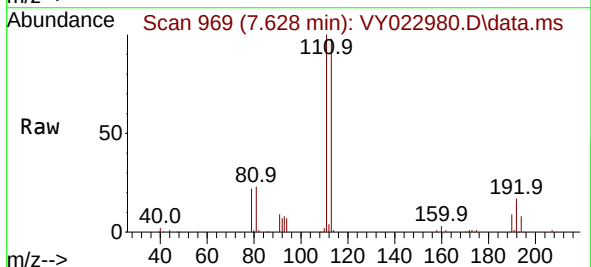
Tgt Ion:113 Resp: 151119

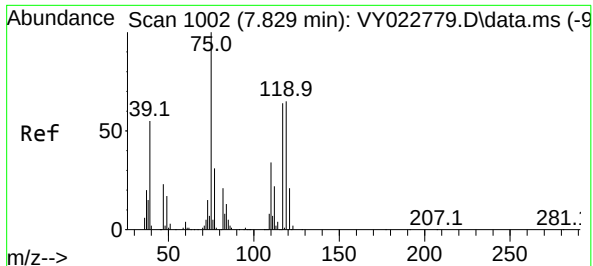
Ion Ratio Lower Upper

113 100

111 106.4 81.1 121.7

192 18.9 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.979 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.135 min

Lab File: VY022980.D

Acq: 08 Jul 2025 17:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-78

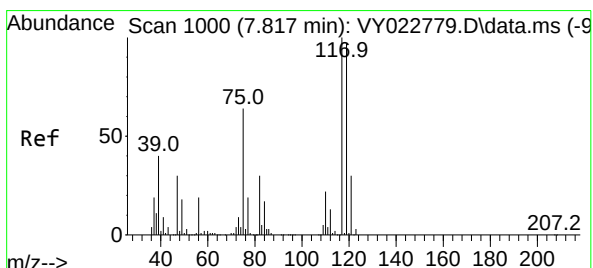
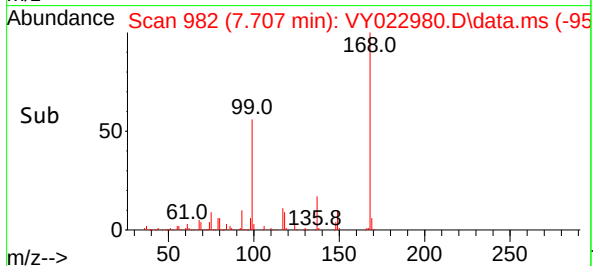
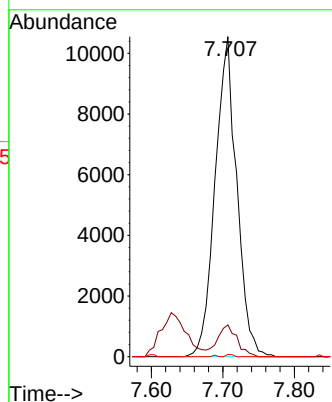
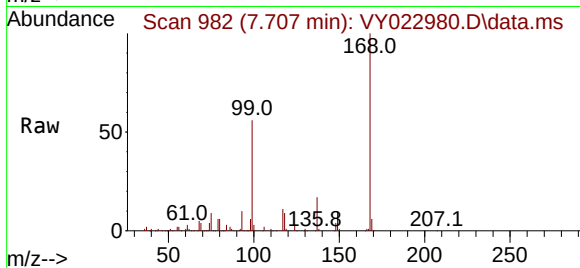
Tgt Ion: 75 Resp: 22176

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.710 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY022980.D

Acq: 08 Jul 2025 17:00

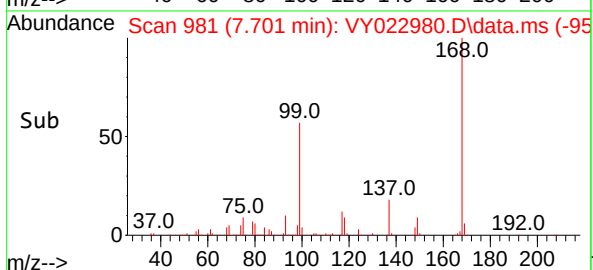
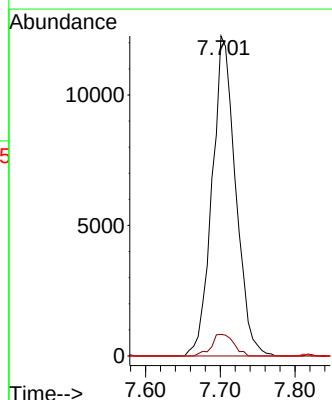
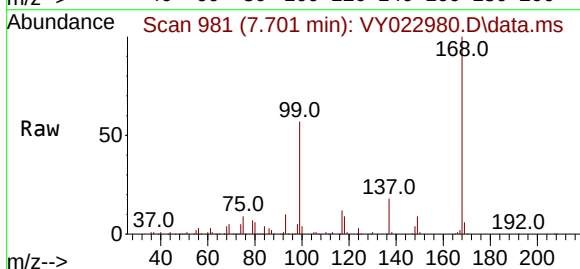
Tgt Ion: 117 Resp: 26833

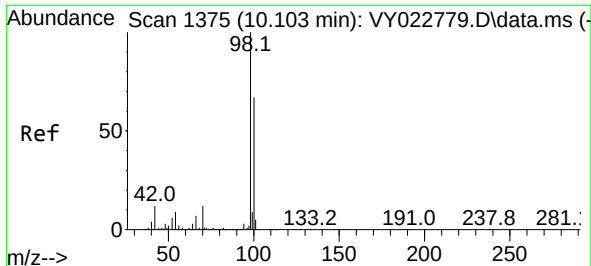
Ion Ratio Lower Upper

117 100

119 6.8 75.0 112.6#

121 0.0 25.0 37.4#

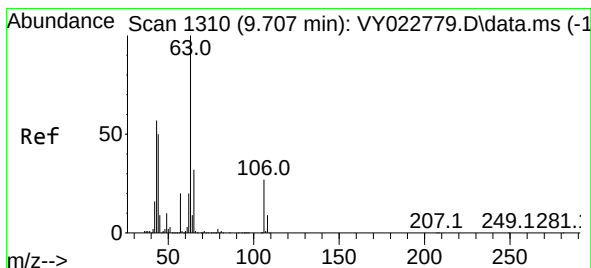
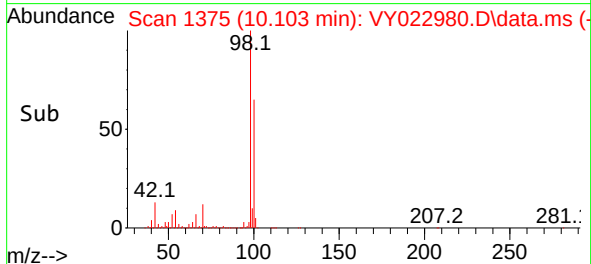
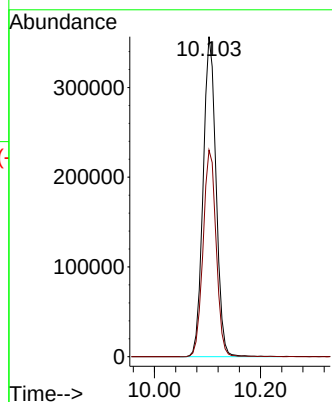
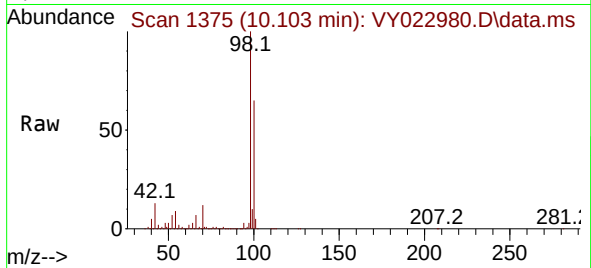




#50
Toluene-d8
Concen: 51.522 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

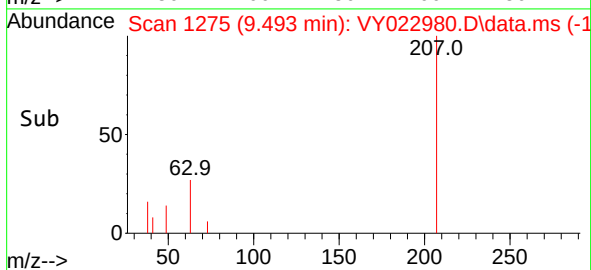
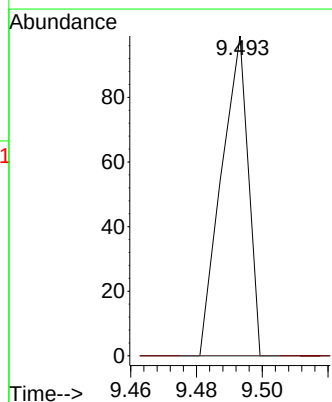
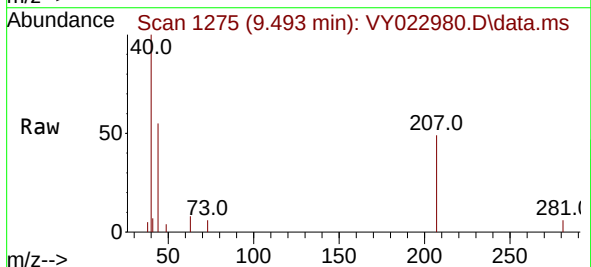
Instrument :
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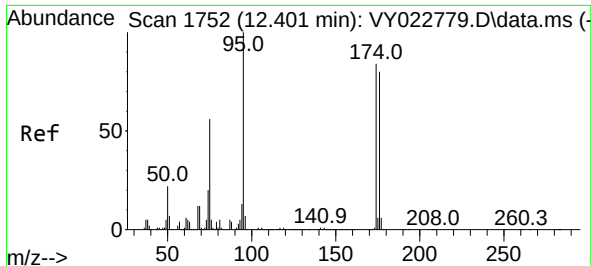
Tgt Ion: 98 Resp: 600761
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.687 ug/l
RT: 9.493 min Scan# 1275
Delta R.T. -0.220 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

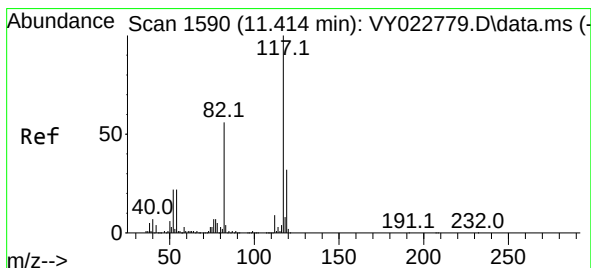
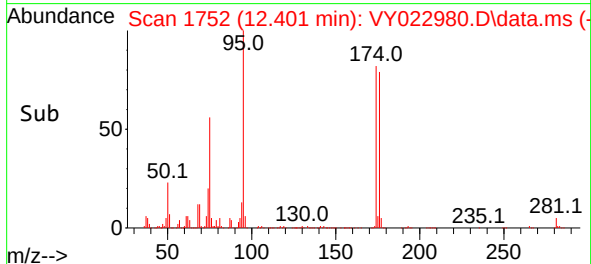
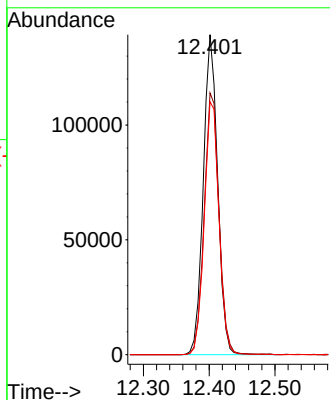
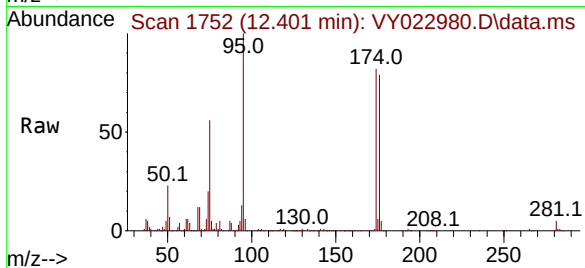




#62
4-Bromofluorobenzene
Concen: 56.425 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

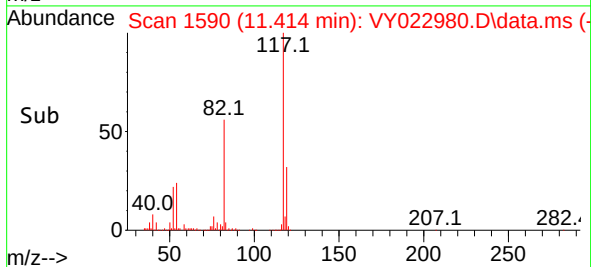
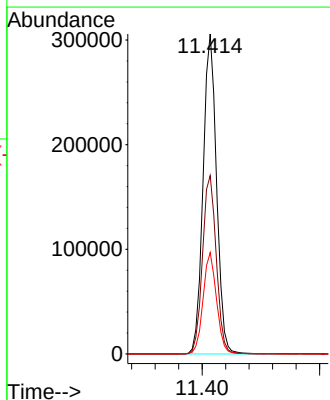
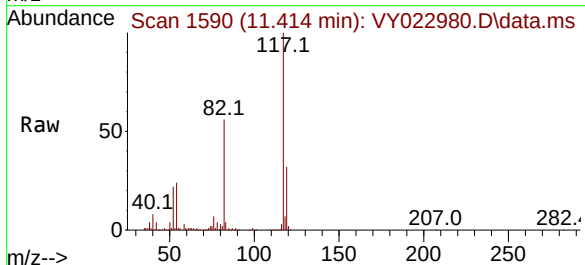
Instrument :
MSVOA_Y
ClientSampleId :
TP-78

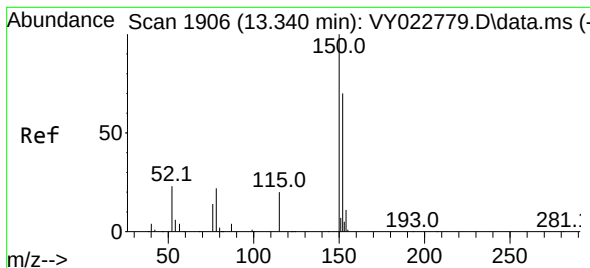
Tgt Ion: 95 Resp: 211504
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.0
176 81.0 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

Tgt Ion: 117 Resp: 487885
Ion Ratio Lower Upper
117 100
82 55.8 44.6 66.8
119 31.7 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: VY022980.D

Acq: 08 Jul 2025 17:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-78

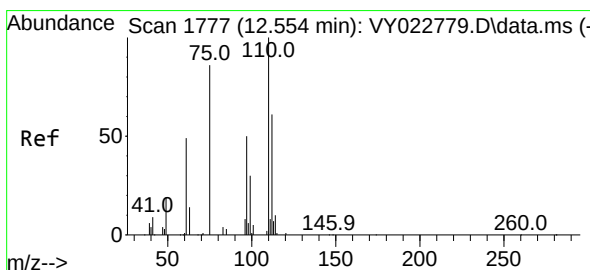
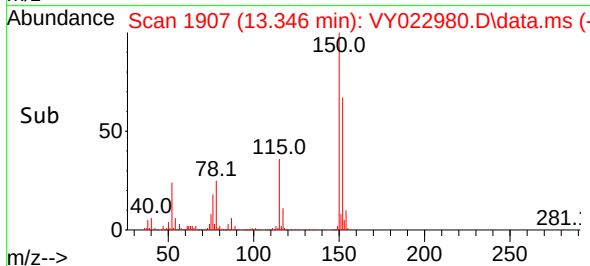
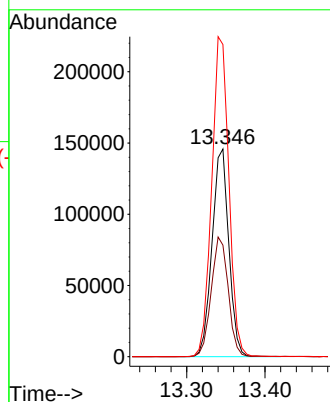
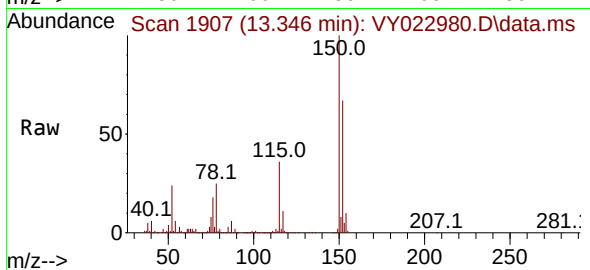
Tgt Ion:152 Resp: 216806

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 157.8 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.265 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022980.D

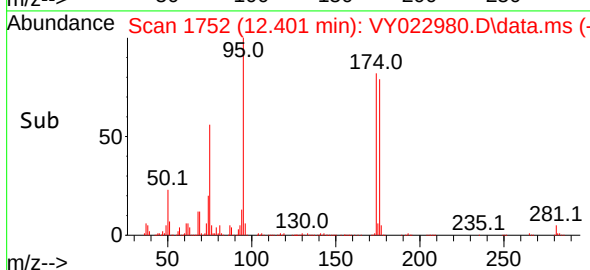
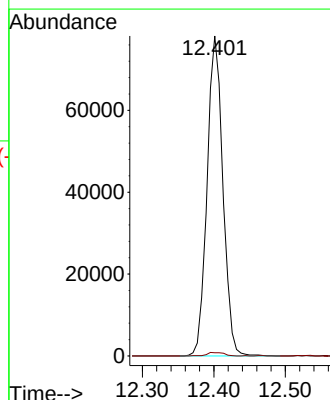
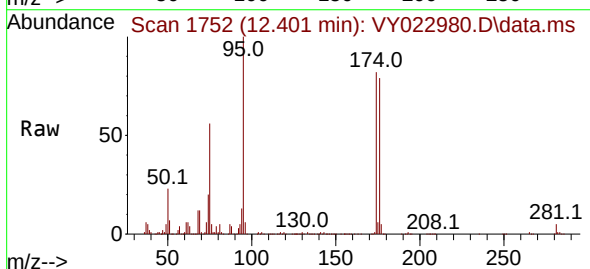
Acq: 08 Jul 2025 17:00

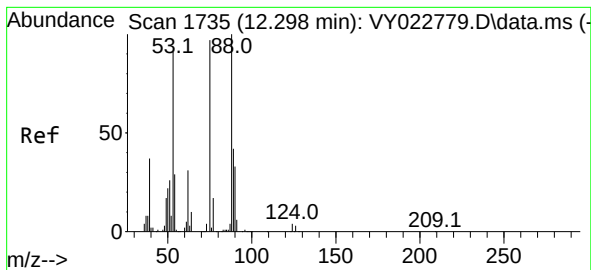
Tgt Ion: 75 Resp: 120110

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.094 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022980.D
 Acq: 08 Jul 2025 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-78

Tgt Ion: 75 Resp: 120110
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

