

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022981.D
 Acq On : 08 Jul 2025 17:23
 Operator : SY/MD
 Sample : Q2514-09
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-81

Quant Time: Jul 09 02:34:35 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	7.713	168	259223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	494832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	487827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	213426	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153117	52.923	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.840%
35) Dibromofluoromethane	7.634	113	157734	52.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.820%
50) Toluene-d8	10.103	98	614684	51.475	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.940%
62) 4-Bromofluorobenzene	12.401	95	210001	54.705	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.400%

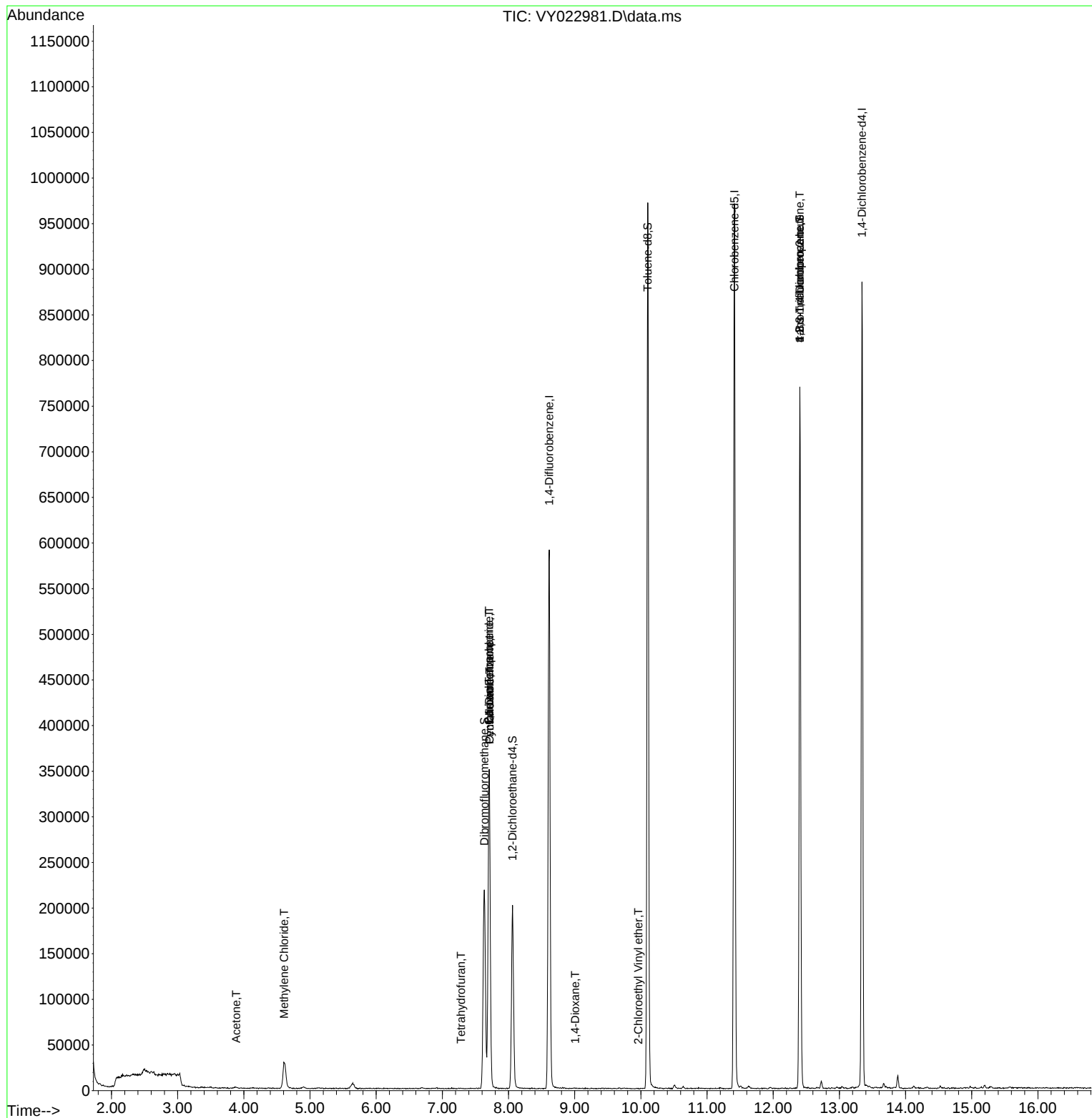
Target Compounds					Qvalue	
16) Acetone	3.885	43	1428	2.611	ug/l #	74
20) Methylene Chloride	4.610	84	21486	6.222	ug/l	94
29) Tetrahydrofuran	7.280	42	558	1.110	ug/l #	39
31) Cyclohexane	7.713	56	6893	1.387	ug/l #	42
36) 1,1-Dichloropropene	7.707	75	22754	4.988	ug/l #	51
38) Carbon Tetrachloride	7.707	117	27069	5.624	ug/l #	18
49) 1,4-Dioxane	9.006	88	39	1.772	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.963	63	30	15.672	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	122490	56.216	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	122490	142.025	ug/l #	11

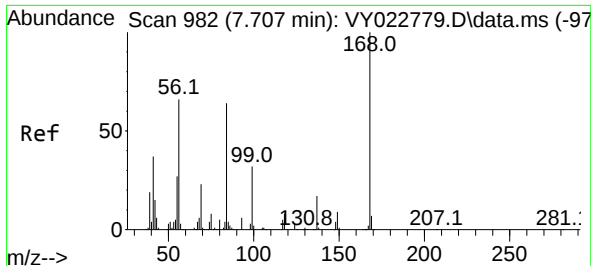
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022981.D
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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Quant Time: Jul 09 02:34:35 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

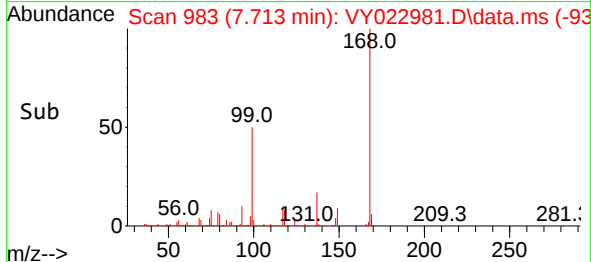
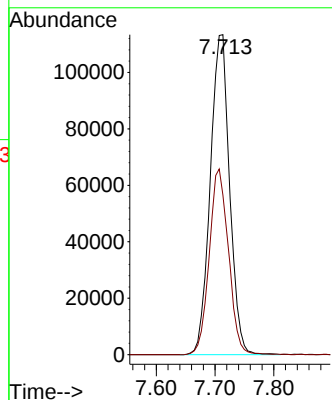
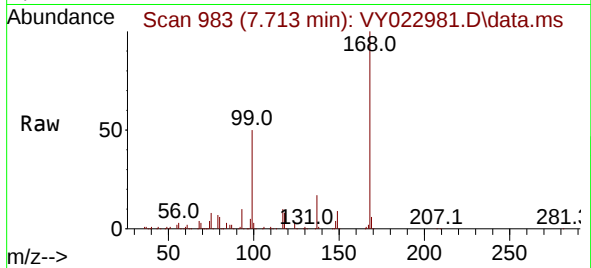




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

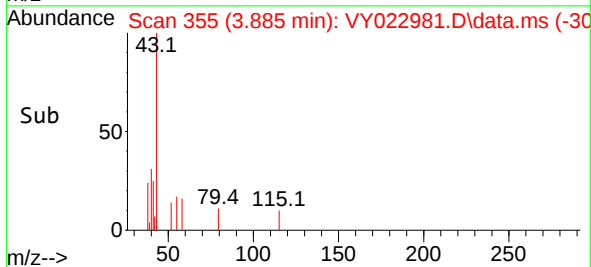
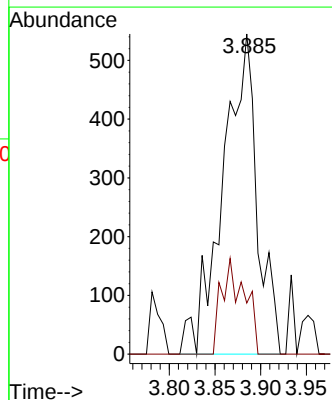
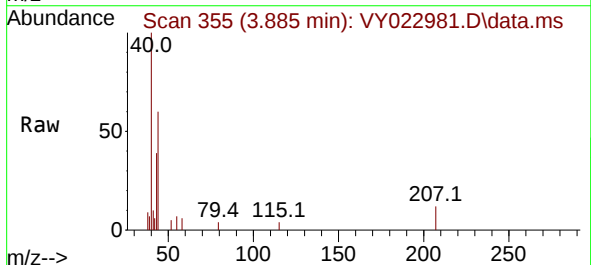
Instrument :
MSVOA_Y
ClientSampleId :
TP-81

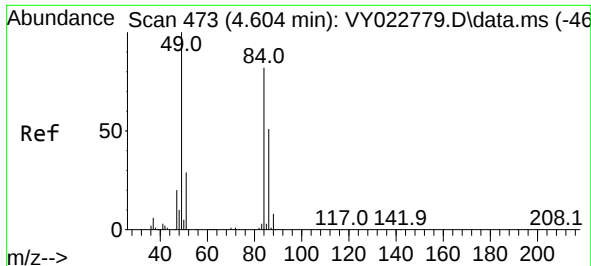
Tgt Ion:168 Resp: 259223
Ion Ratio Lower Upper
168 100
99 49.9 44.3 66.5



#16
Acetone
Concen: 2.611 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
58 16.0 24.0 36.0#





#20

Methylene Chloride

Concen: 6.222 ug/l

RT: 4.610 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY022981.D

Acq: 08 Jul 2025 17:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-81

Tgt Ion: 84 Resp: 21486

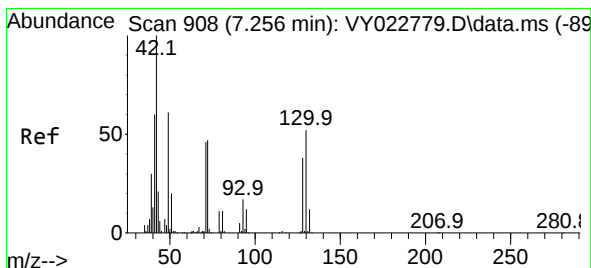
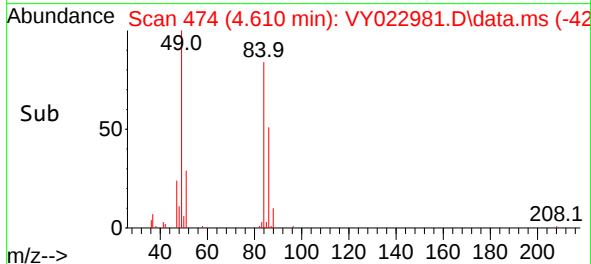
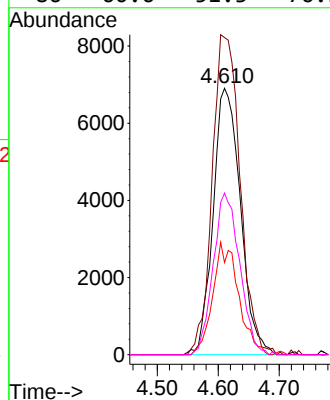
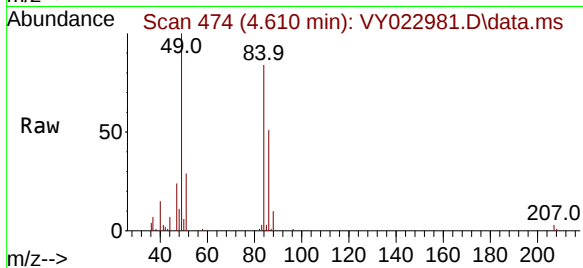
Ion Ratio Lower Upper

84 100

49 119.0 101.9 152.9

51 34.6 29.8 44.8

86 60.6 51.3 76.9



#29

Tetrahydrofuran

Concen: 1.110 ug/l

RT: 7.280 min Scan# 912

Delta R.T. 0.012 min

Lab File: VY022981.D

Acq: 08 Jul 2025 17:23

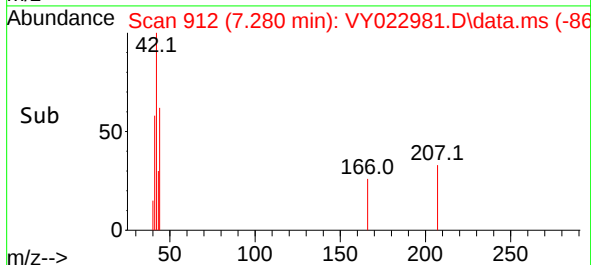
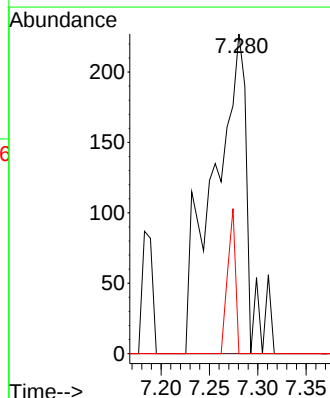
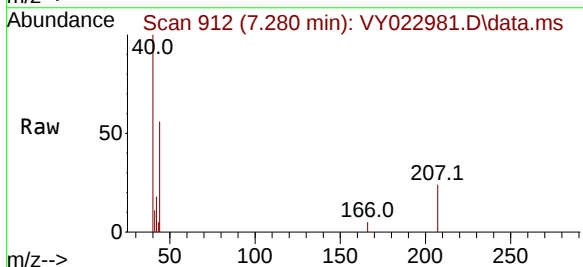
Tgt Ion: 42 Resp: 558

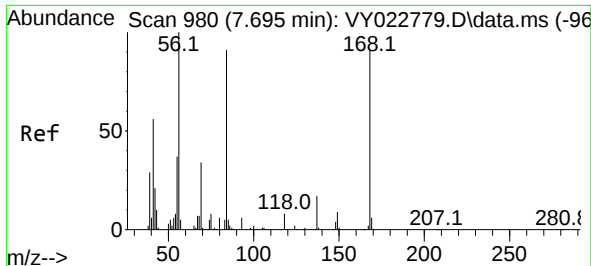
Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.2#

71 10.2 34.2 51.2#

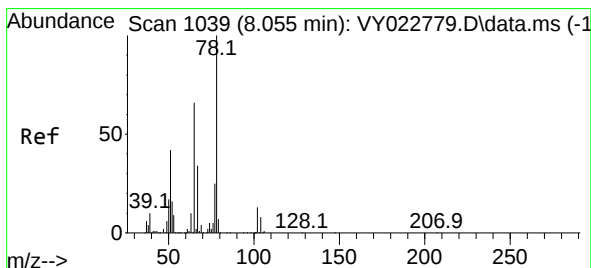
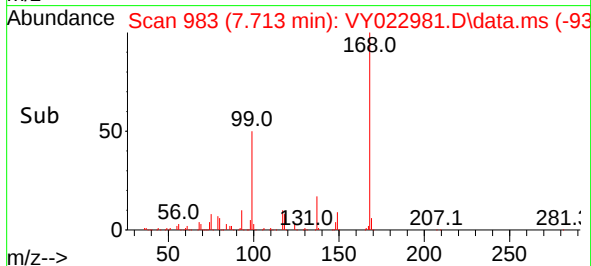
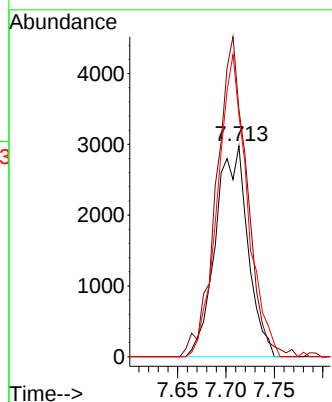
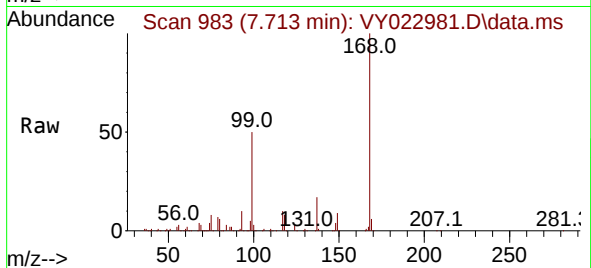




#31
Cyclohexane
Concen: 1.387 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

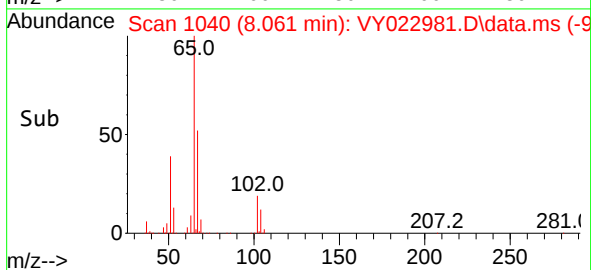
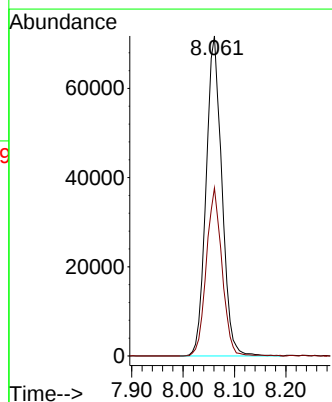
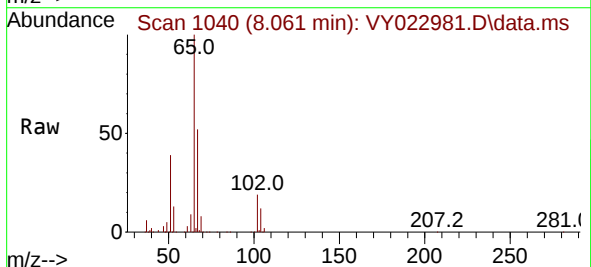
Instrument :
MSVOA_Y
ClientSampleId :
TP-81

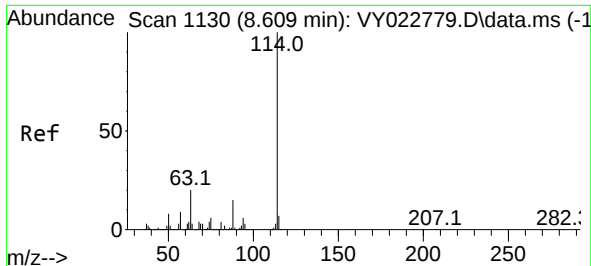
Tgt Ion: 56 Resp: 6893
Ion Ratio Lower Upper
56 100
69 117.3 27.0 40.6#
84 114.7 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 52.923 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

Tgt Ion: 65 Resp: 153117
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

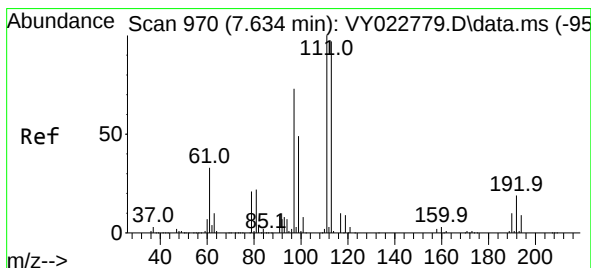
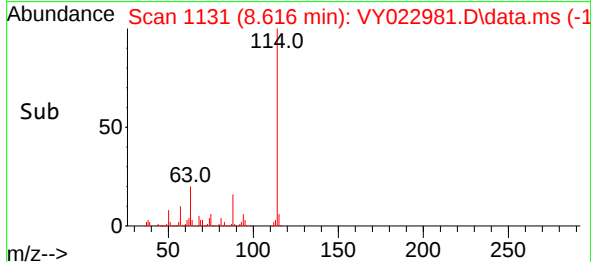
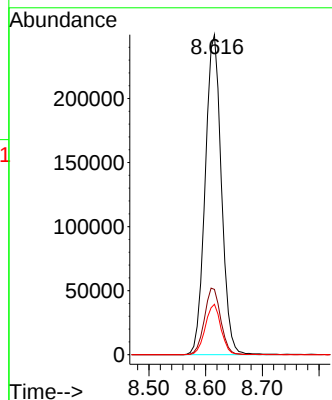
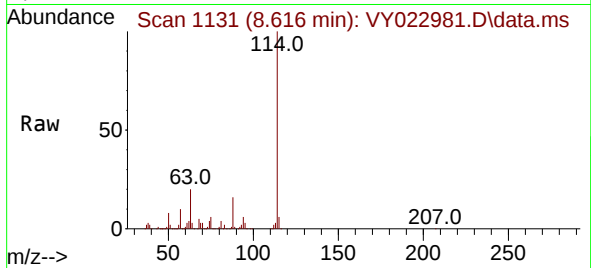




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

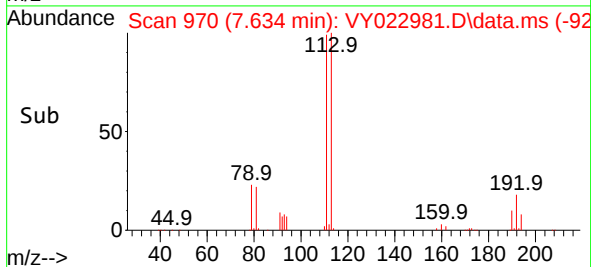
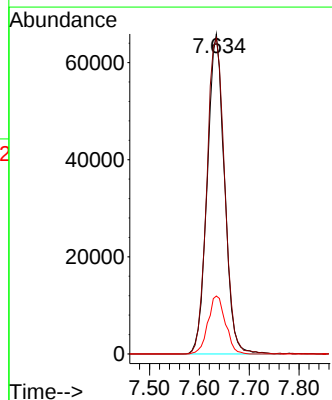
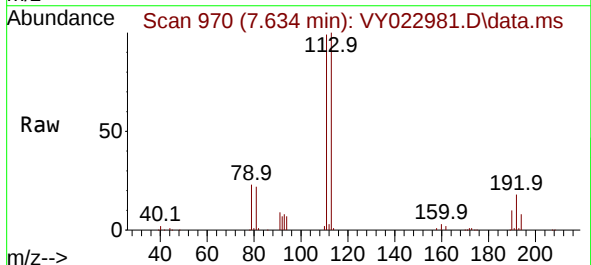
Instrument :
MSVOA_Y
ClientSampleId :
TP-81

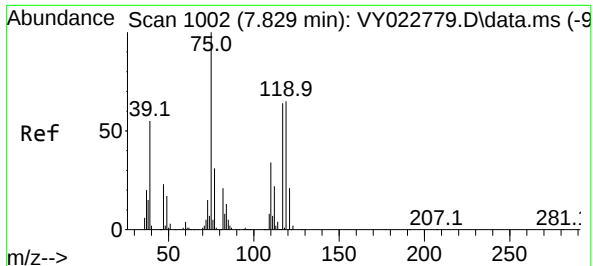
Tgt Ion:114 Resp: 494832
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 15.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.415 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

Tgt Ion:113 Resp: 157734
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 18.4 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.988 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY022981.D

Acq: 08 Jul 2025 17:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-81

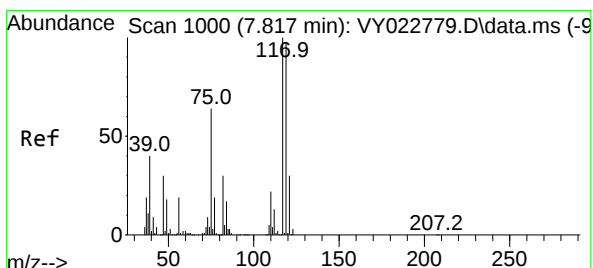
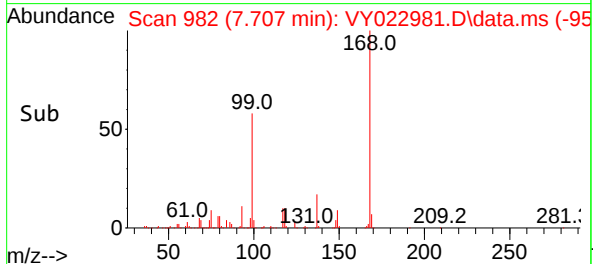
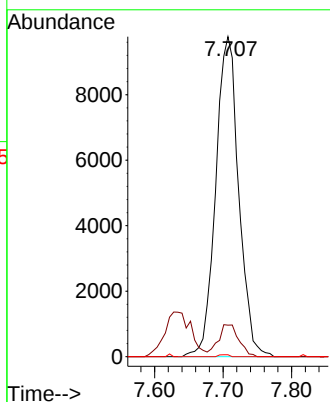
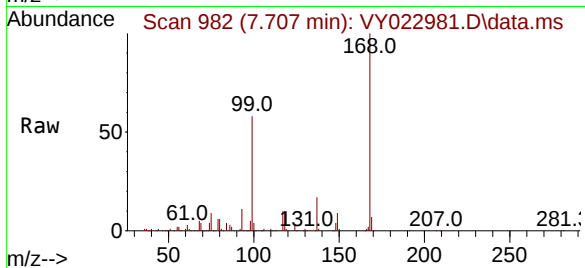
Tgt Ion: 75 Resp: 22754

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.7#

77 0.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.624 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022981.D

Acq: 08 Jul 2025 17:23

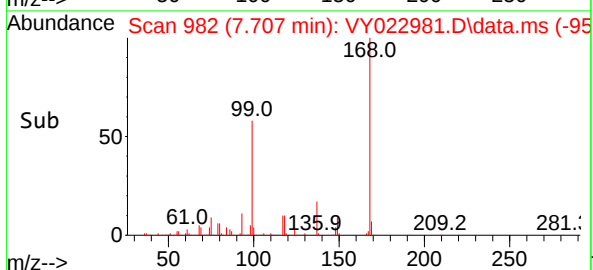
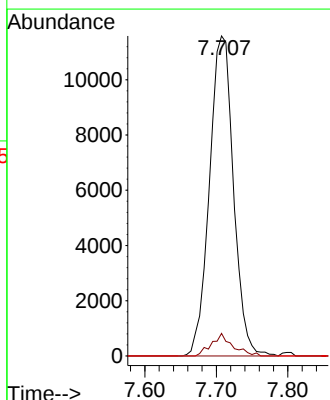
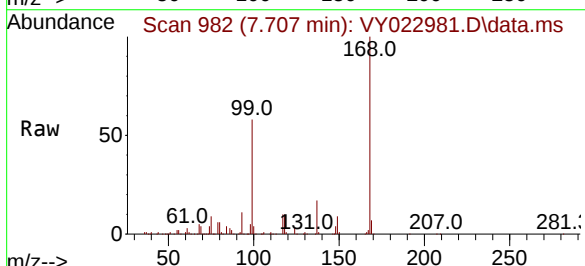
Tgt Ion: 117 Resp: 27069

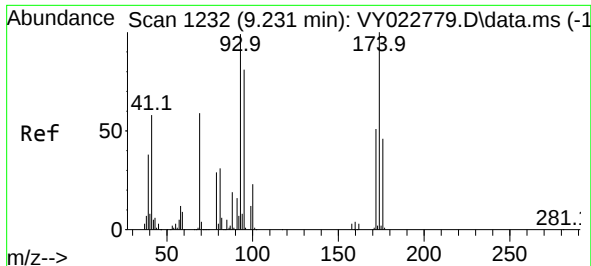
Ion Ratio Lower Upper

117 100

119 7.0 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 1.772 ug/l

RT: 9.006 min Scan# 1195

Delta R.T. -0.238 min

Lab File: VY022981.D

Acq: 08 Jul 2025 17:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-81

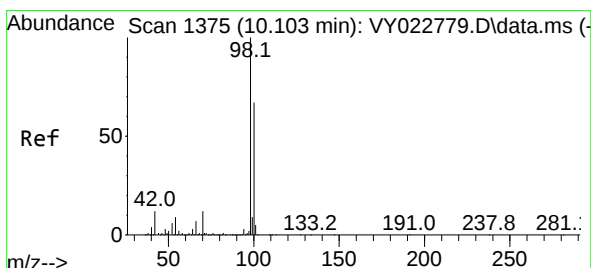
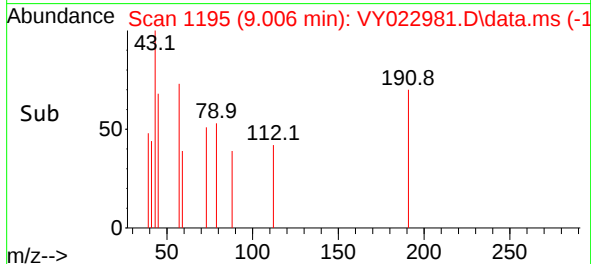
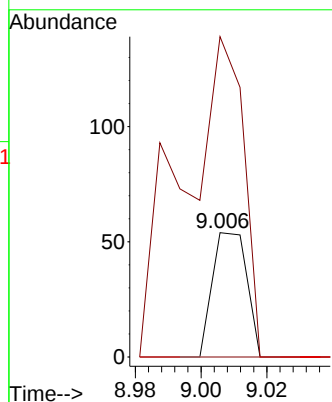
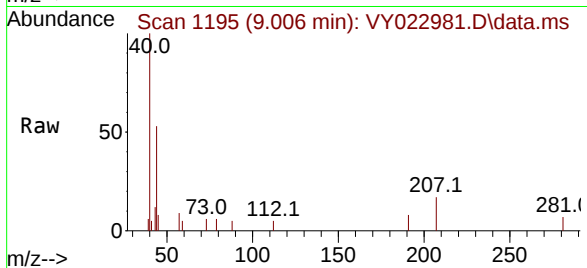
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 459.0 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 51.475 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022981.D

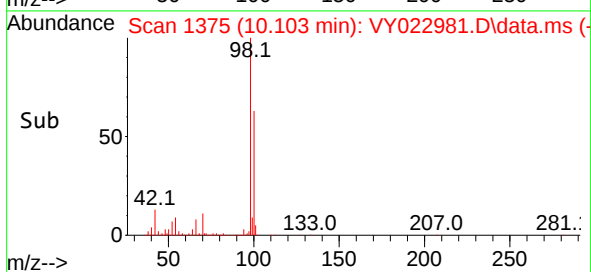
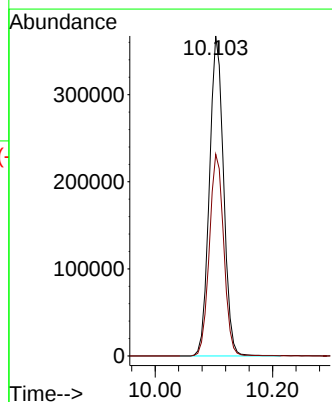
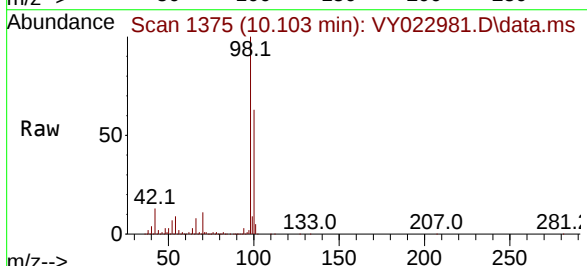
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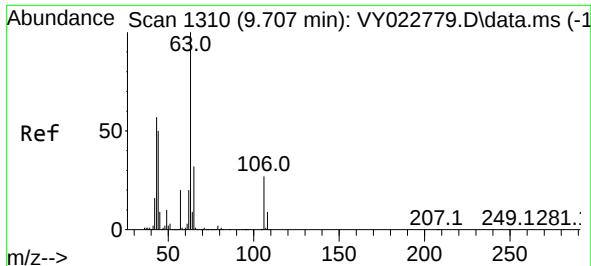
Tgt Ion: 98 Resp: 614684

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0

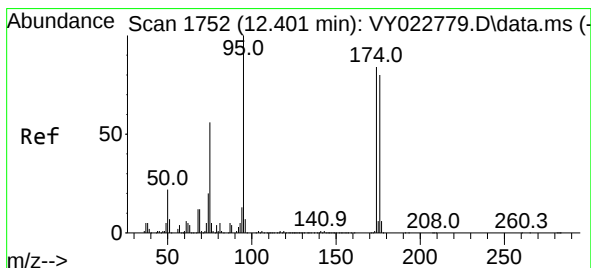
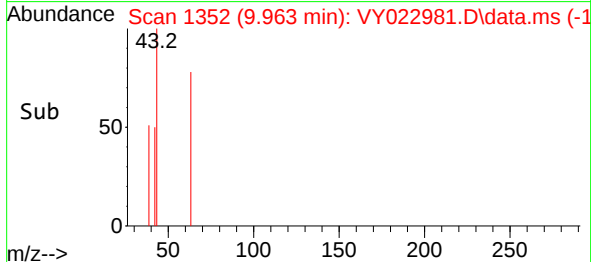
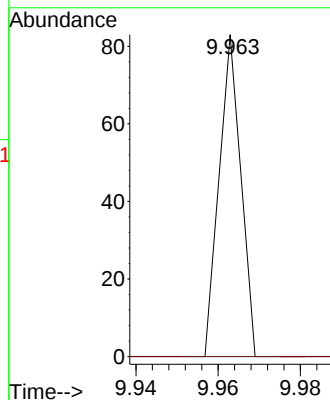
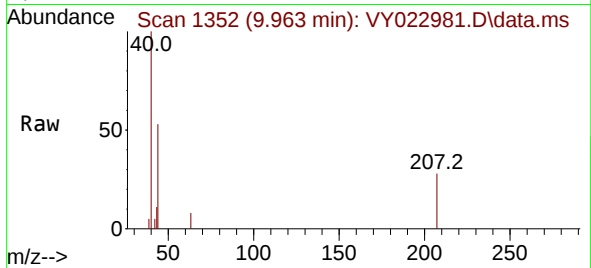




#58
2-Chloroethyl Vinyl ether
Concen: 15.672 ug/l
RT: 9.963 min Scan# 1352
Delta R.T. 0.250 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

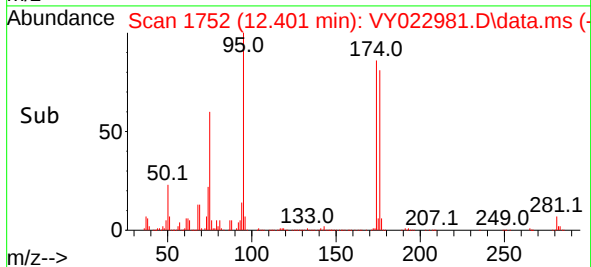
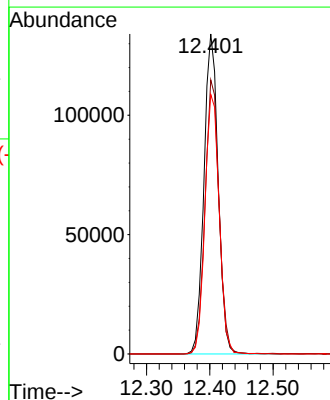
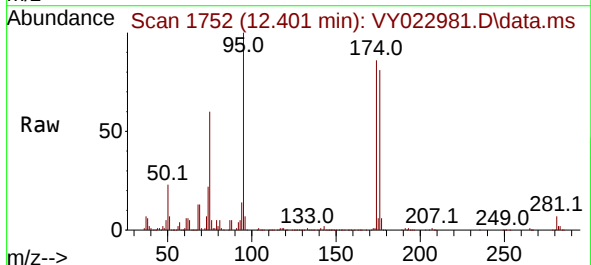
Instrument :
MSVOA_Y
ClientSampleId :
TP-81

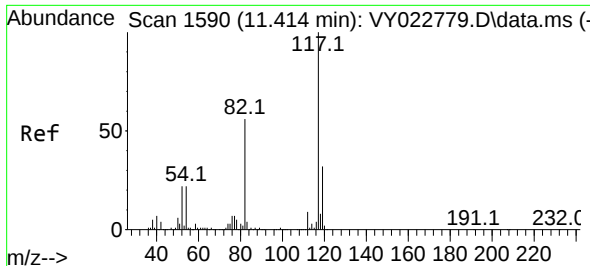
Tgt Ion: 63 Resp: 30
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 54.705 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

Tgt Ion: 95 Resp: 210001
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.0
176 81.5 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: VY022981.D

Acq: 08 Jul 2025 17:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-81

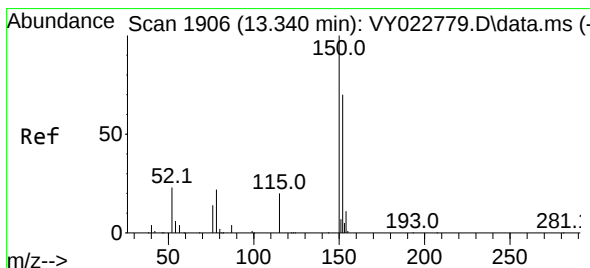
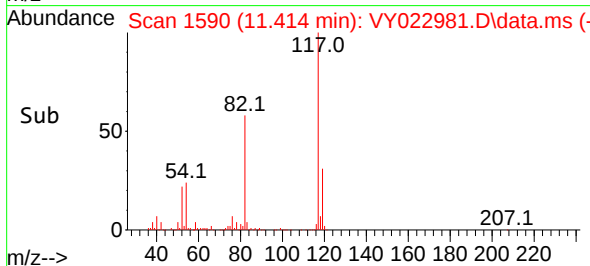
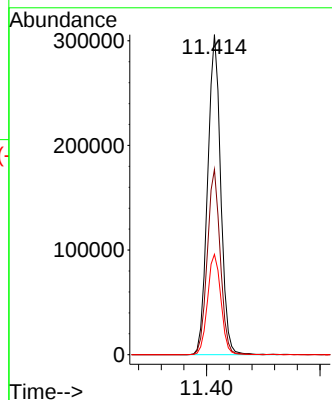
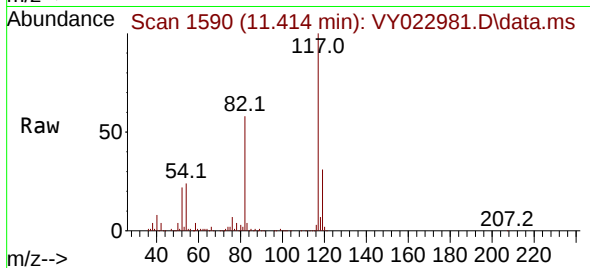
Tgt Ion:117 Resp: 487827

Ion Ratio Lower Upper

117 100

82 57.9 44.6 66.8

119 31.4 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: VY022981.D

Acq: 08 Jul 2025 17:23

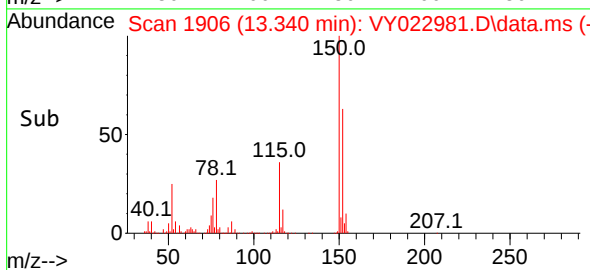
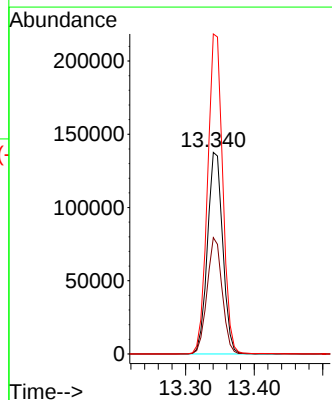
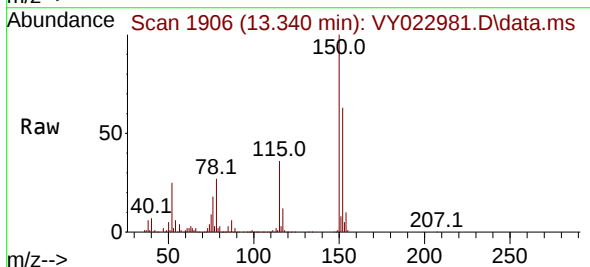
Tgt Ion:152 Resp: 213426

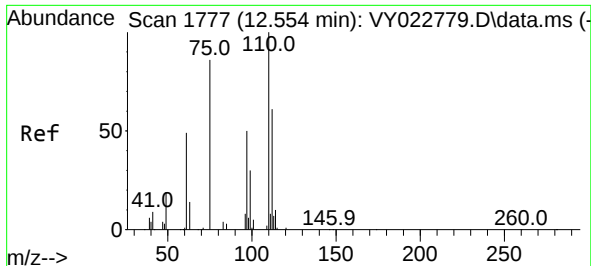
Ion Ratio Lower Upper

152 100

115 57.1 28.9 86.7

150 157.3 0.0 349.6

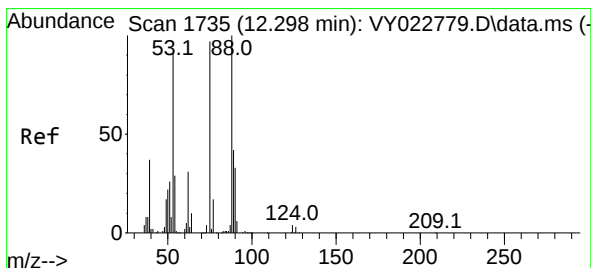
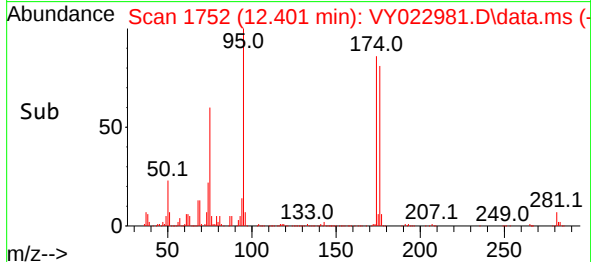
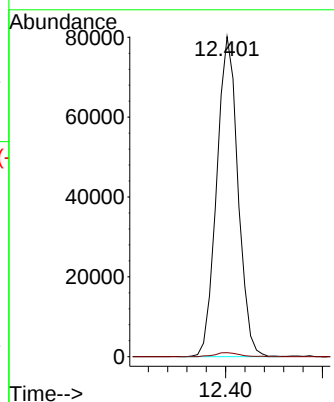
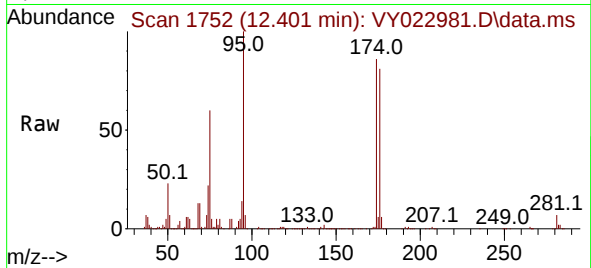




#76
 1,2,3-Trichloropropane
 Concen: 56.216 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022981.D
 Acq: 08 Jul 2025 17:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-81

Tgt Ion: 75 Resp: 122490
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.025 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. 0.097 min
 Lab File: VY022981.D
 Acq: 08 Jul 2025 17:23

Tgt Ion: 75 Resp: 122490
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.2 35.7 53.5#

