

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022887.D
 Acq On : 30 Jun 2025 17:59
 Operator : SY/MD
 Sample : Q2458-01
 Misc : 4.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-76

Quant Time: Jul 01 03:42:01 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)

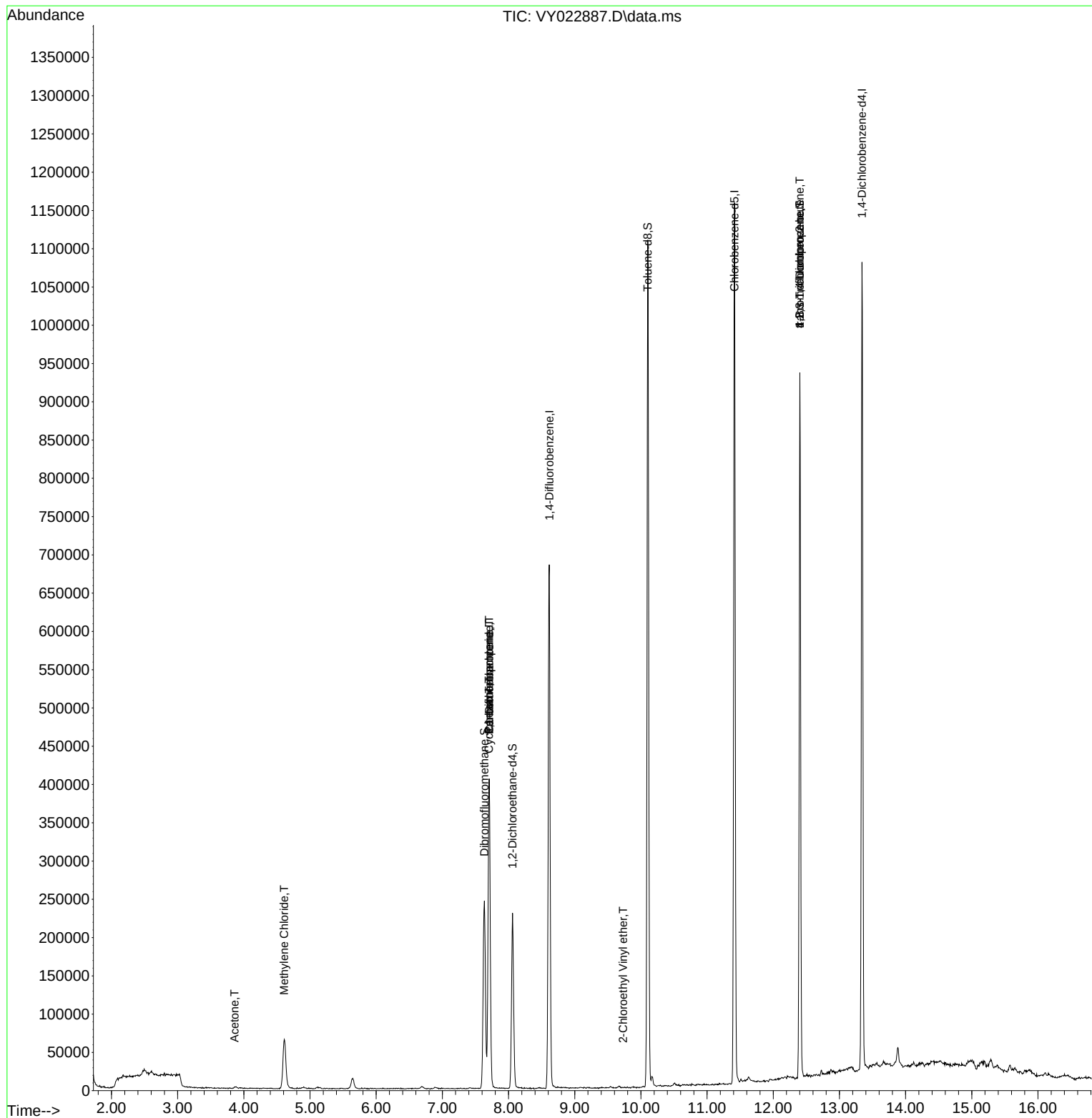
Internal Standards						
1) Pentafluorobenzene	7.707	168	303882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	573423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	579838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	256613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174178	51.355	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.720%	
35) Dibromofluoromethane	7.634	113	176566	50.631	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.260%	
50) Toluene-d8	10.103	98	711217	51.396	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.800%	
62) 4-Bromofluorobenzene	12.401	95	263188	59.164	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.320%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	1717	2.678	ug/l #	84
20) Methylene Chloride	4.610	84	47491	11.731	ug/l	97
31) Cyclohexane	7.701	56	7846	1.347	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	26020	4.923	ug/l #	50
38) Carbon Tetrachloride	7.707	117	32309	5.793	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.731	63	33	15.671	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	150415	57.415	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	150415	145.052	ug/l #	11

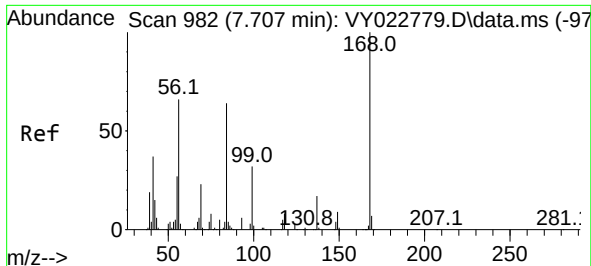
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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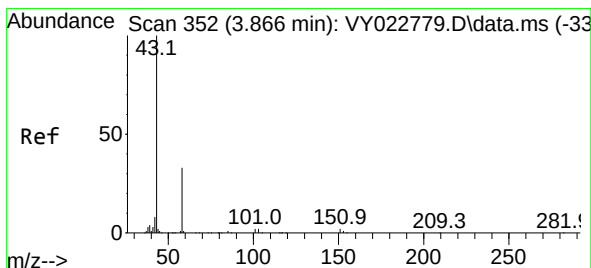
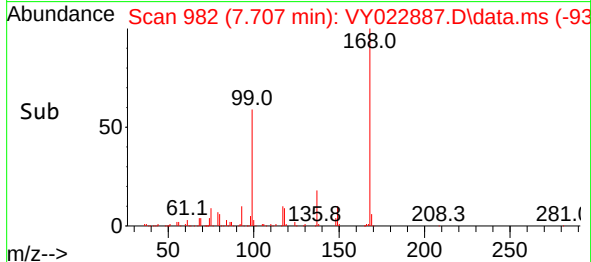
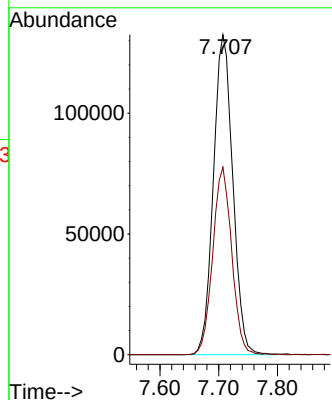
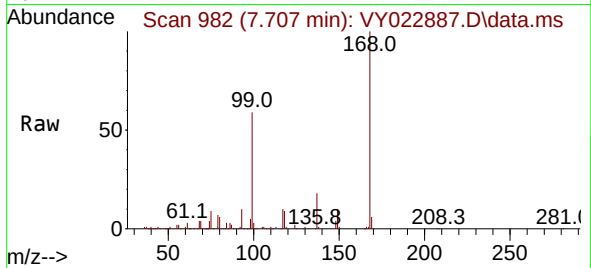




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

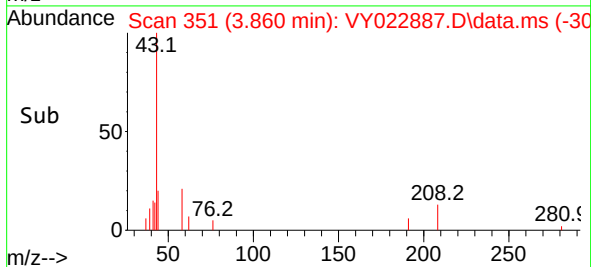
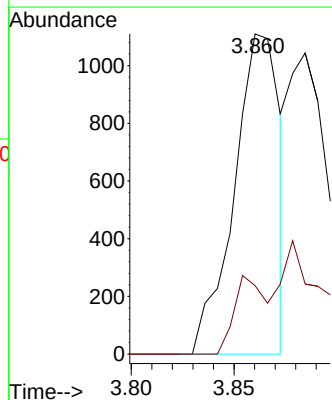
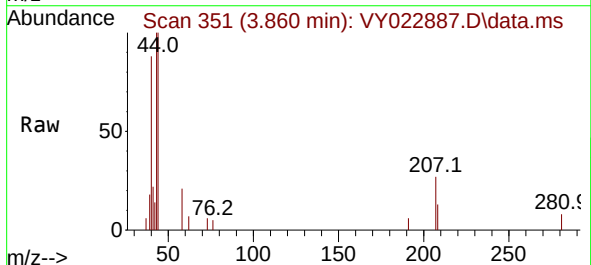
Instrument :
MSVOA_Y
ClientSampleId :
TP-76

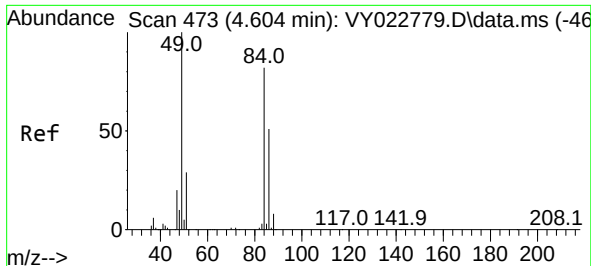
Tgt Ion:168 Resp: 303882
Ion Ratio Lower Upper
168 100
99 58.6 44.3 66.5



#16
Acetone
Concen: 2.678 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.019 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

Tgt Ion: 43 Resp: 1717
Ion Ratio Lower Upper
43 100
58 21.4 24.0 36.0#





#20

Methylene Chloride

Concen: 11.731 ug/l

RT: 4.610 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY022887.D

Acq: 30 Jun 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-76

Tgt Ion: 84 Resp: 47491

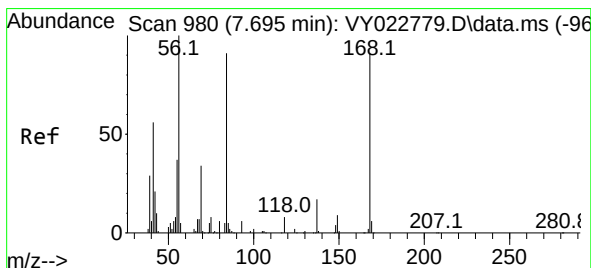
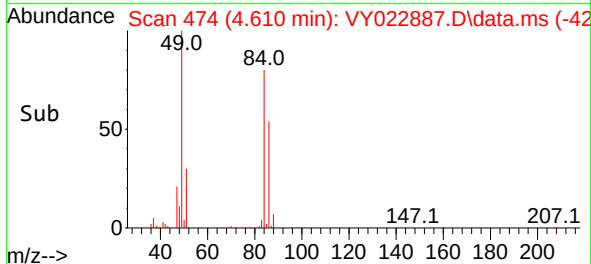
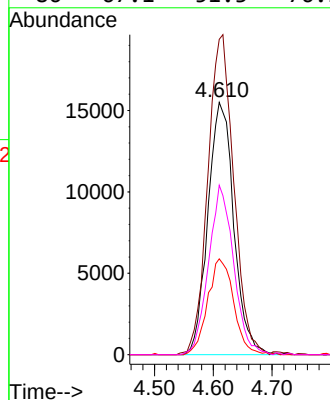
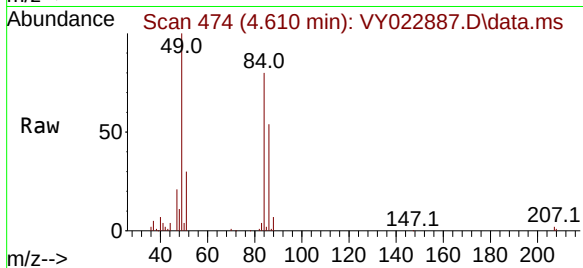
Ion Ratio Lower Upper

84 100

49 124.3 101.9 152.9

51 38.0 29.8 44.8

86 67.1 51.3 76.9



#31

Cyclohexane

Concen: 1.347 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022887.D

Acq: 30 Jun 2025 17:59

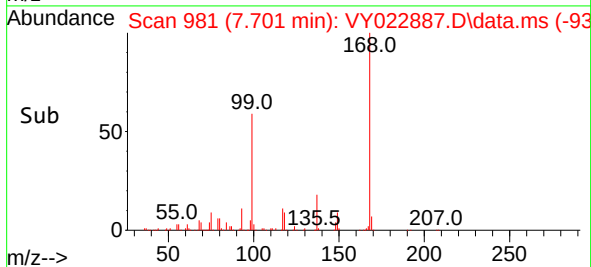
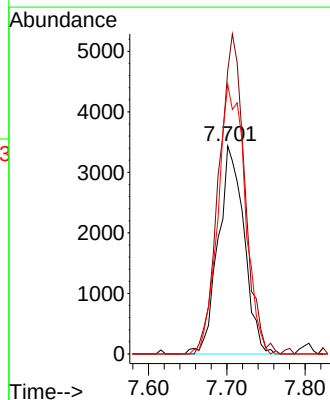
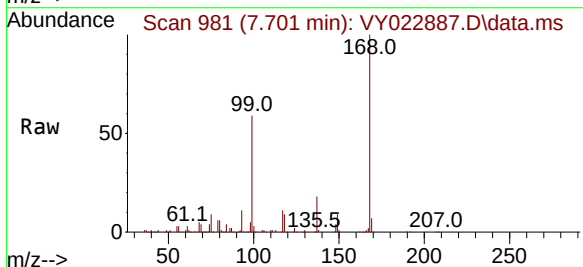
Tgt Ion: 56 Resp: 7846

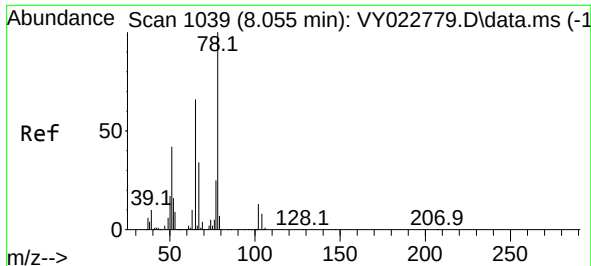
Ion Ratio Lower Upper

56 100

69 136.1 27.0 40.6#

84 129.6 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.355 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022887.D

Acq: 30 Jun 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

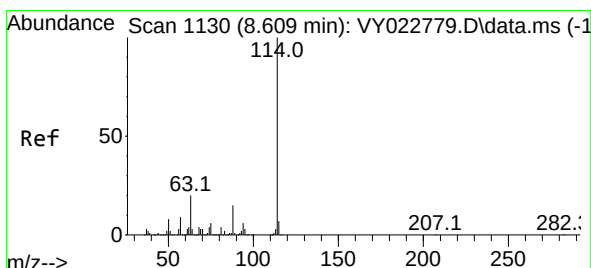
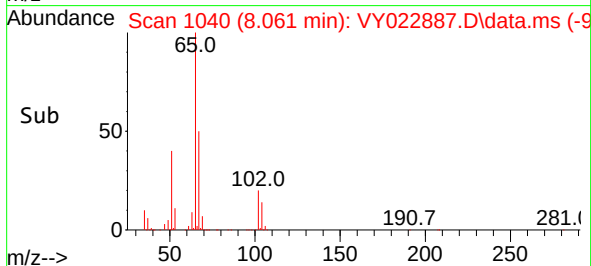
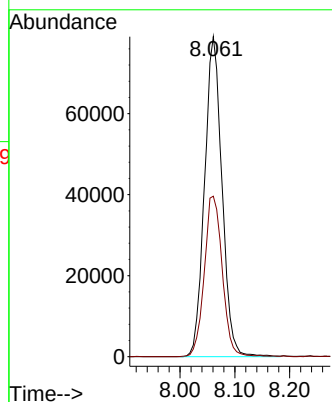
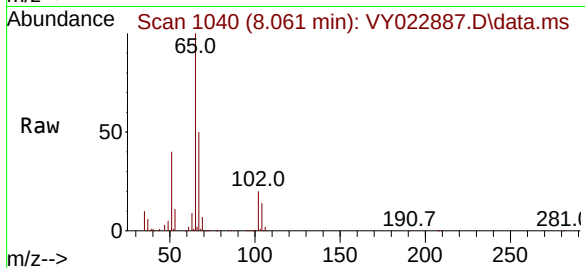
TP-76

Tgt Ion: 65 Resp: 174178

Ion Ratio Lower Upper

65 100

67 51.8 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: VY022887.D

Acq: 30 Jun 2025 17:59

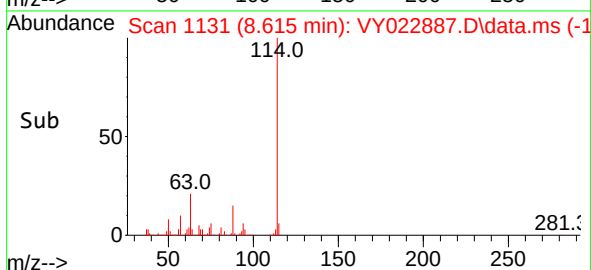
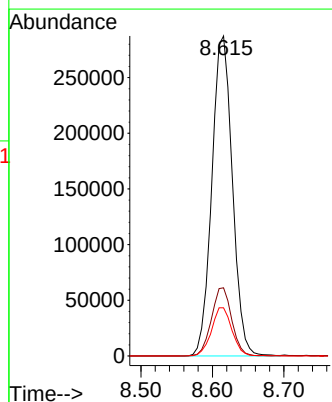
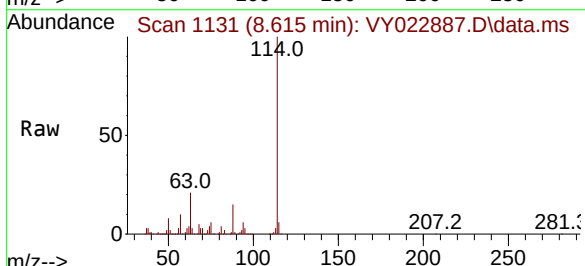
Tgt Ion: 114 Resp: 573423

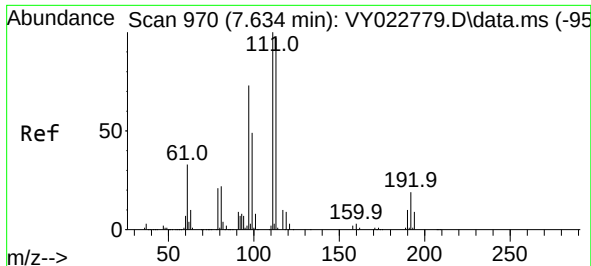
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 15.1 0.0 27.8

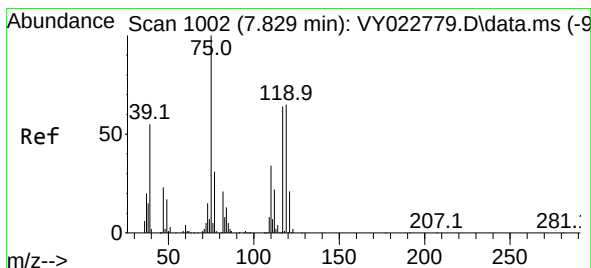
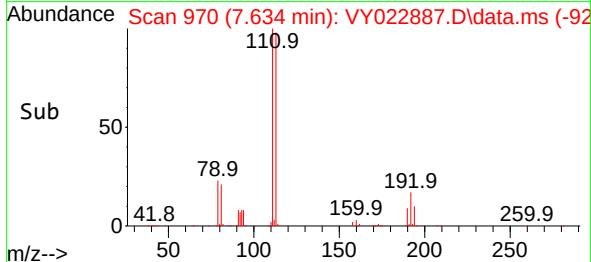
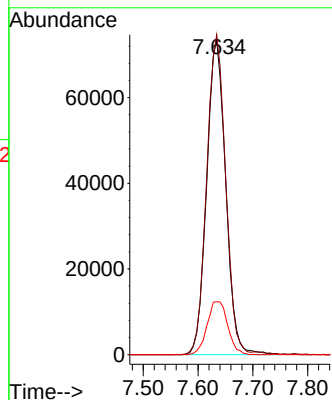
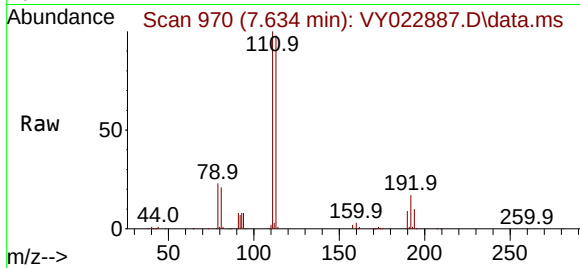




#35
Dibromofluoromethane
Concen: 50.631 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

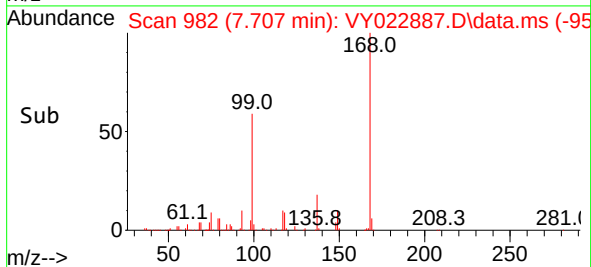
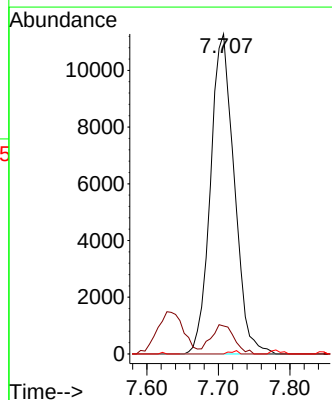
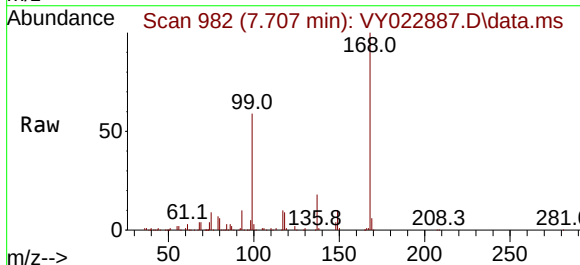
Instrument :
MSVOA_Y
ClientSampleId :
TP-76

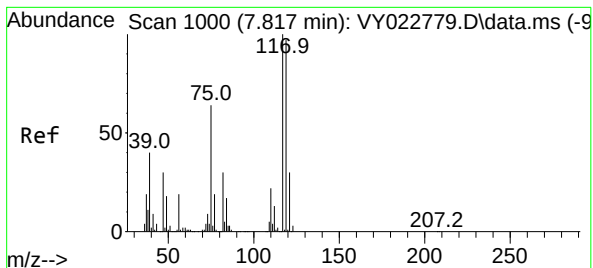
Tgt Ion:113 Resp: 176566
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 18.3 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.923 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

Tgt Ion: 75 Resp: 26020
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.793 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022887.D

Acq: 30 Jun 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-76

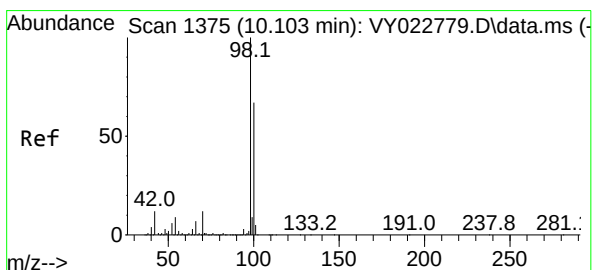
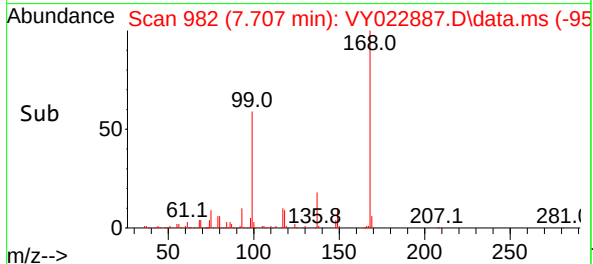
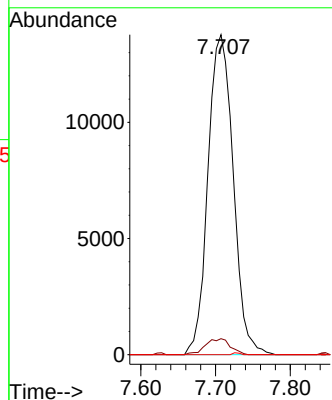
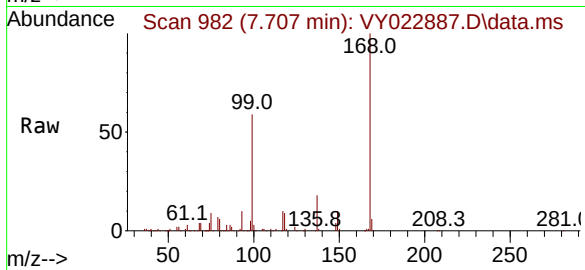
Tgt Ion:117 Resp: 32309

Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 51.396 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022887.D

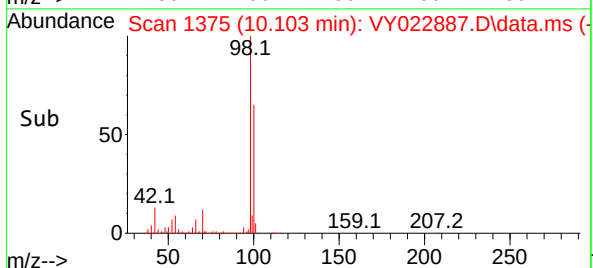
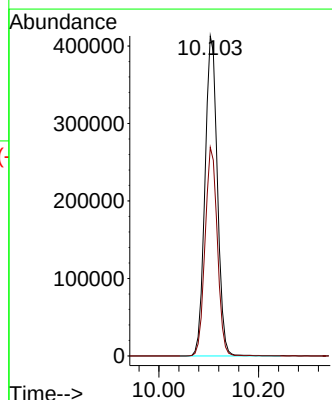
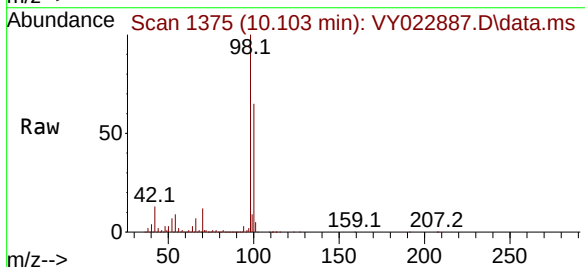
Acq: 30 Jun 2025 17:59

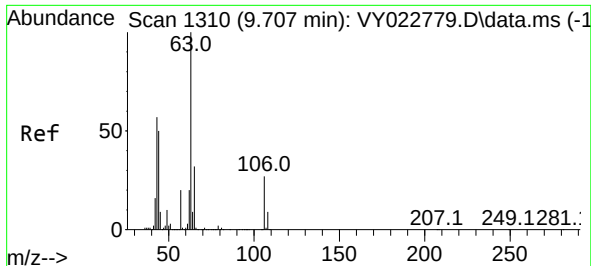
Tgt Ion: 98 Resp: 711217

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

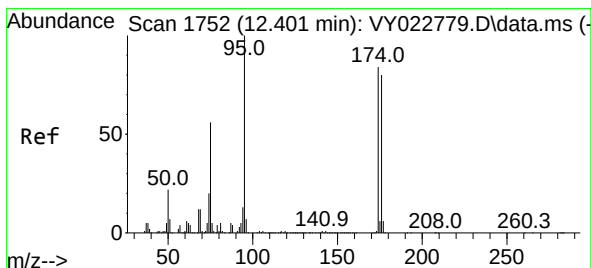
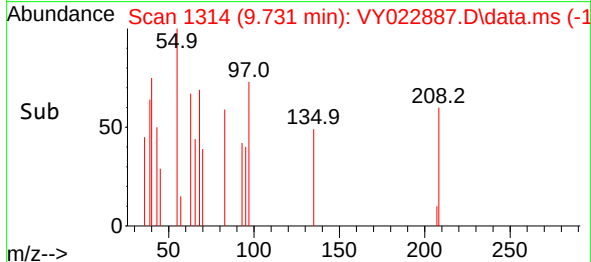
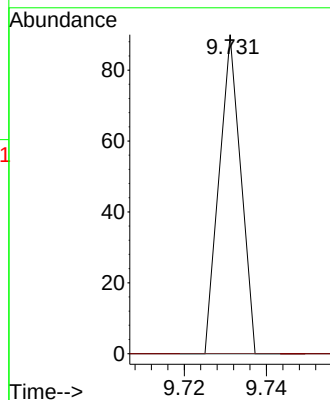
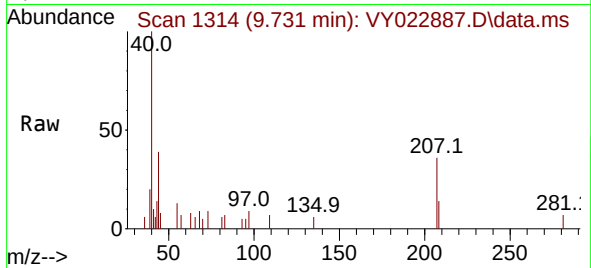




#58
 2-Chloroethyl Vinyl ether
 Concen: 15.671 ug/l
 RT: 9.731 min Scan# 1314
 Delta R.T. 0.018 min
 Lab File: VY022887.D
 Acq: 30 Jun 2025 17:59

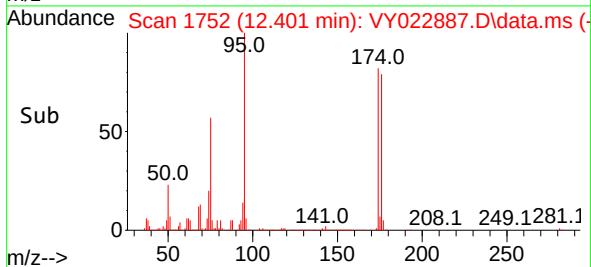
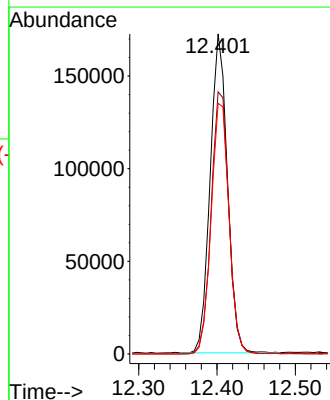
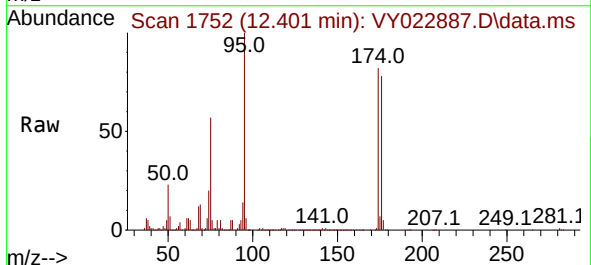
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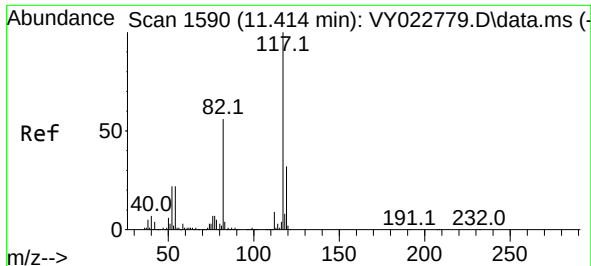
Tgt Ion: 63 Resp: 33
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.6 32.4#



#62
 4-Bromofluorobenzene
 Concen: 59.164 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: VY022887.D
 Acq: 30 Jun 2025 17:59

Tgt Ion: 95 Resp: 263188
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 170.0
 176 81.4 0.0 166.2

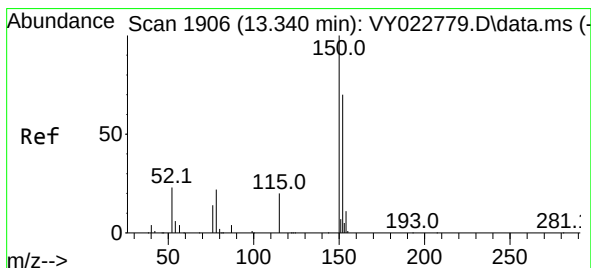
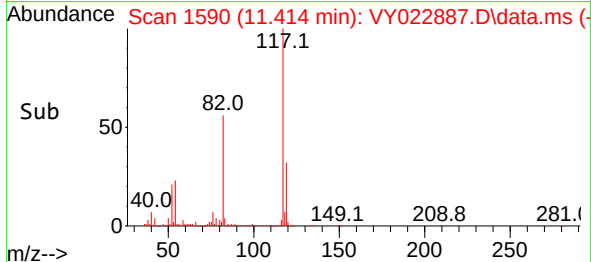
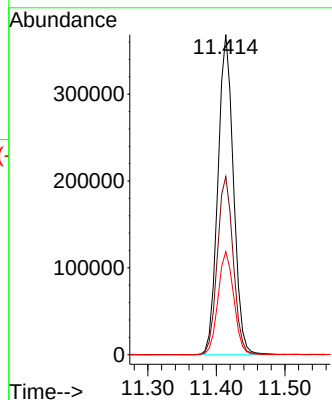
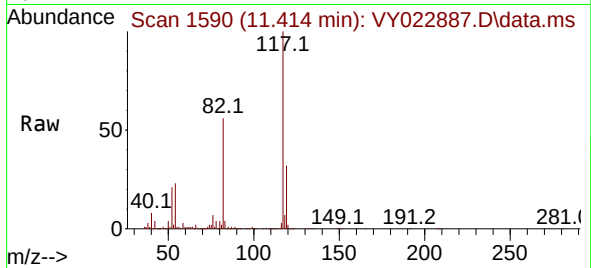




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

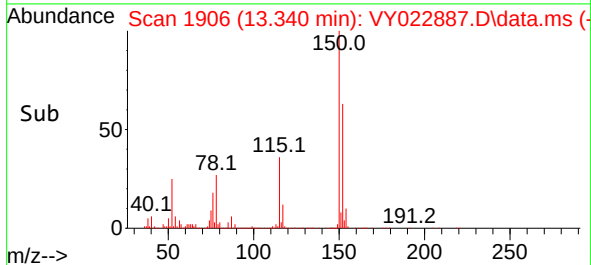
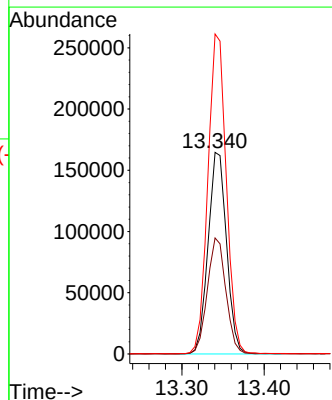
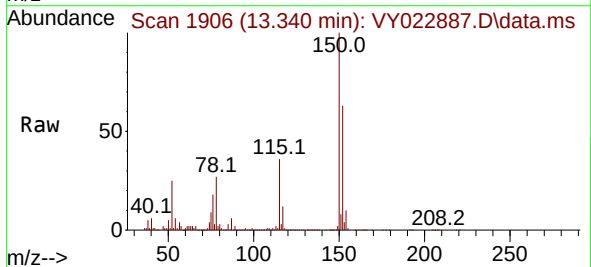
Instrument :
MSVOA_Y
ClientSampleId :
TP-76

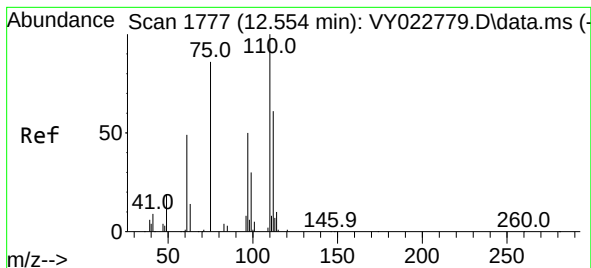
Tgt Ion:117 Resp: 579838
Ion Ratio Lower Upper
117 100
82 55.6 44.6 66.8
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

Tgt Ion:152 Resp: 256613
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.7
150 158.2 0.0 349.6

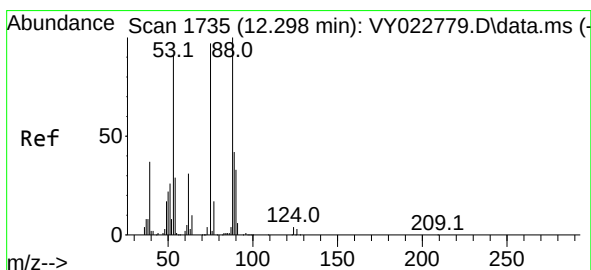
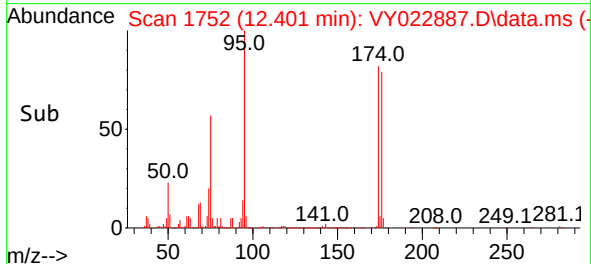
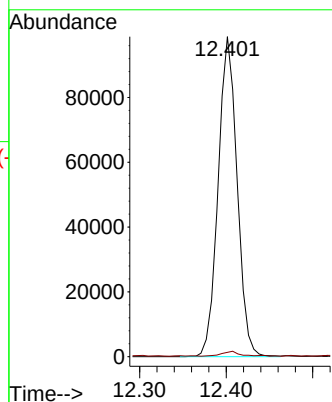
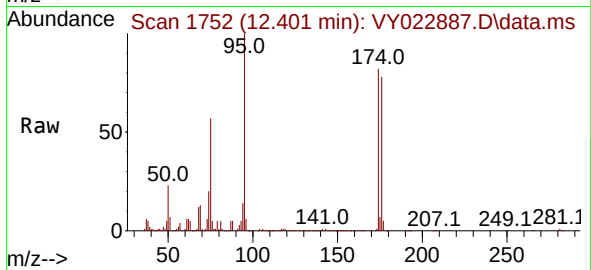




#76
 1,2,3-Trichloropropane
 Concen: 57.415 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022887.D
 Acq: 30 Jun 2025 17:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-76

Tgt Ion: 75 Resp: 150415
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.052 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. 0.097 min
 Lab File: VY022887.D
 Acq: 30 Jun 2025 17:59

Tgt Ion: 75 Resp: 150415
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.5 117.7#
 89 0.1 35.7 53.5#

