

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022862.D
 Acq On : 27 Jun 2025 15:19
 Operator : SY/MD
 Sample : Q2436-07
 Misc : 6.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-87

Quant Time: Jun 27 23:19:14 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)

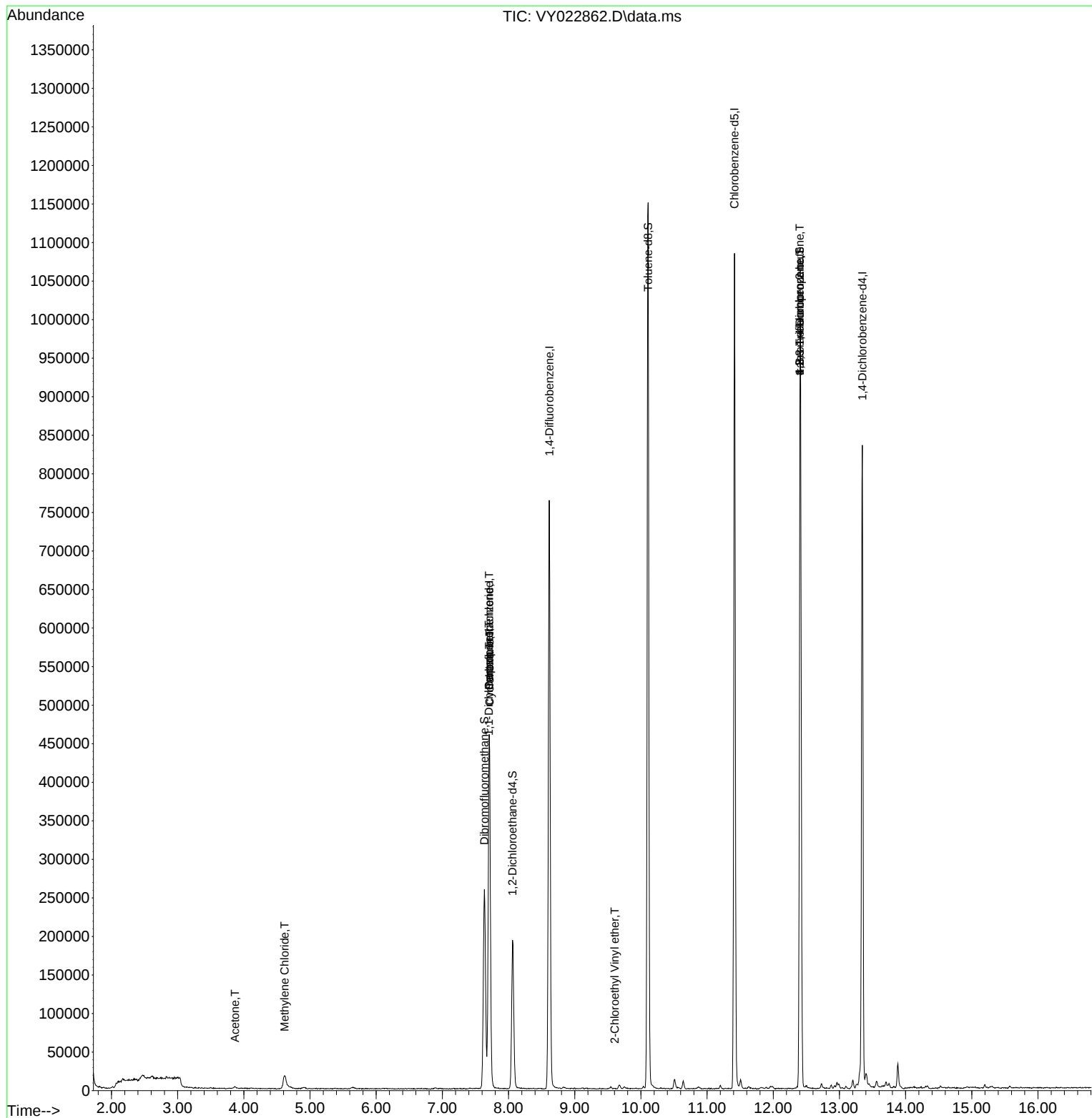
Internal Standards						
1) Pentafluorobenzene	7.707	168	348864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	632840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	540565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	204342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152204	39.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.180%
35) Dibromofluoromethane	7.634	113	180779	46.972	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.940%
50) Toluene-d8	10.109	98	749594	49.083	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.160%
62) 4-Bromofluorobenzene	12.402	95	221851	45.189	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.380%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	4132	5.615	ug/l	96
20) Methylene Chloride	4.616	84	12482	2.686	ug/l #	84
31) Cyclohexane	7.713	56	8722	1.304	ug/l #	31
36) 1,1-Dichloropropene	7.701	75	29903	5.126	ug/l #	49
38) Carbon Tetrachloride	7.707	117	34733	5.643	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.603	63	24	15.666	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	128732	61.708	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	128732	155.898	ug/l #	11

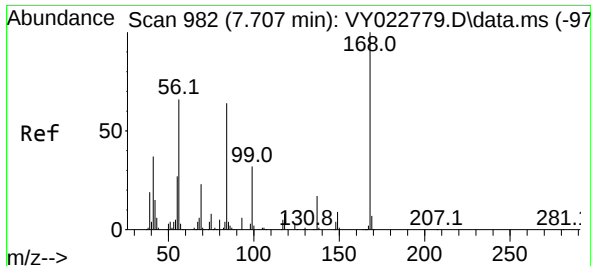
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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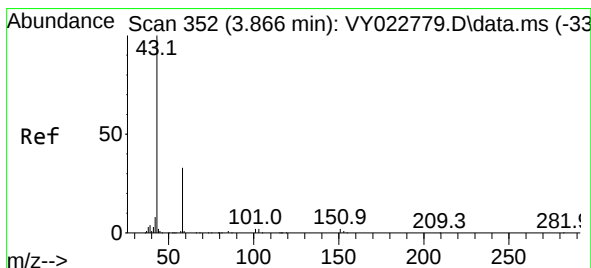
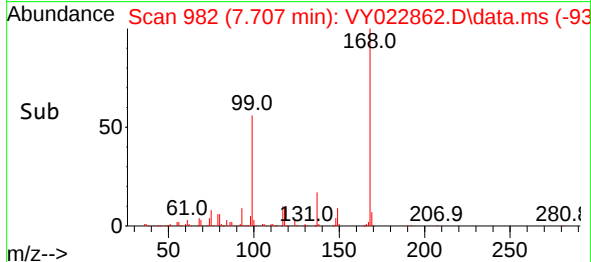
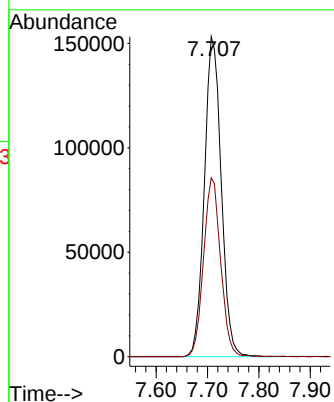
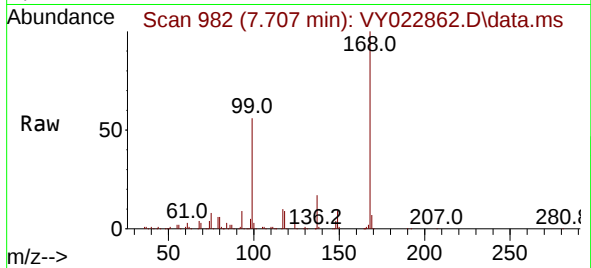




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

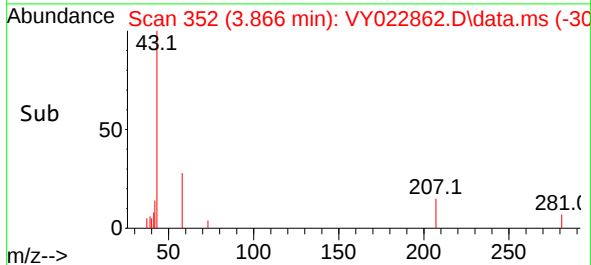
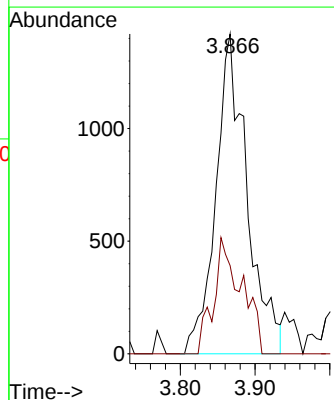
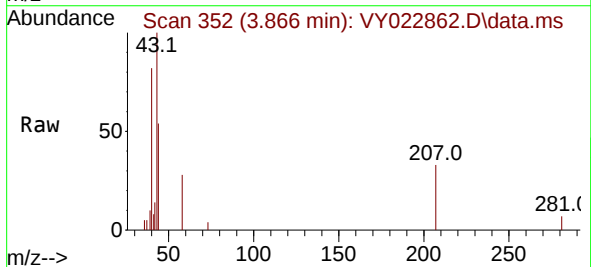
Instrument :
MSVOA_Y
ClientSampleId :
TP-87

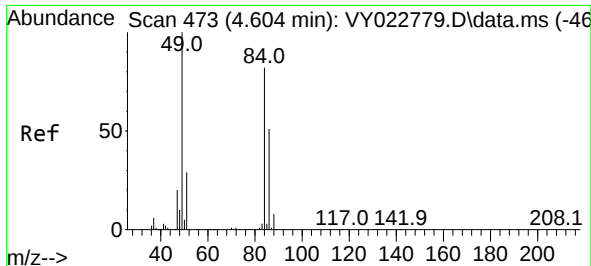
Tgt Ion:168 Resp: 348864
Ion Ratio Lower Upper
168 100
99 55.9 44.3 66.5



#16
Acetone
Concen: 5.615 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

Tgt Ion: 43 Resp: 4132
Ion Ratio Lower Upper
43 100
58 27.6 24.0 36.0

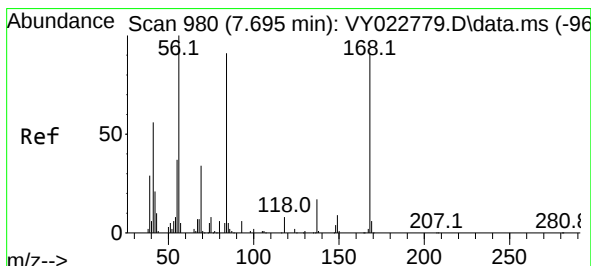
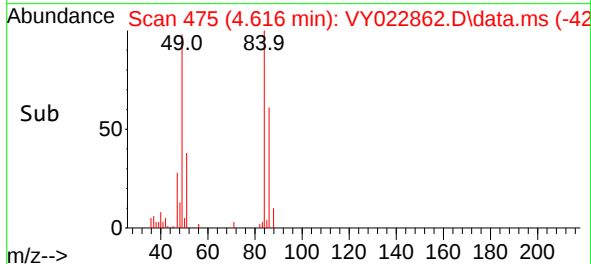
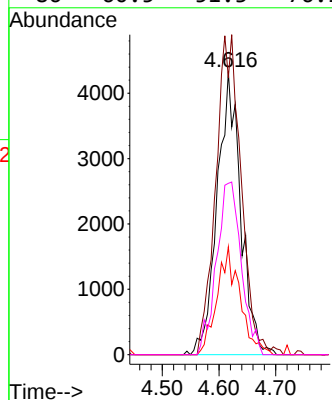
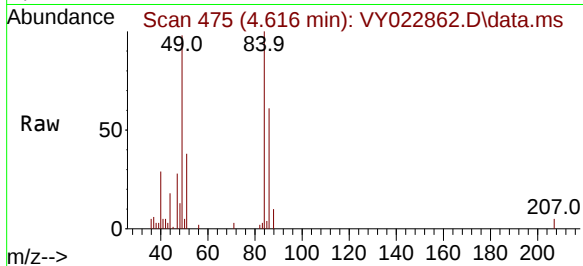




#20
Methylene Chloride
Concen: 2.686 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

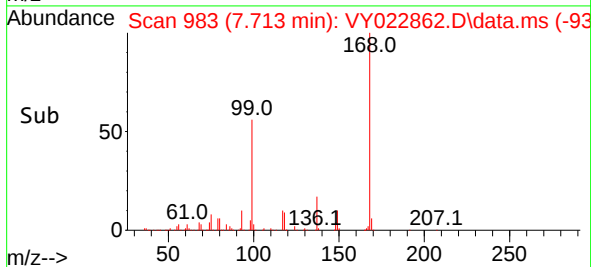
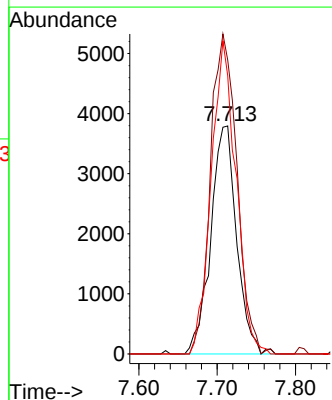
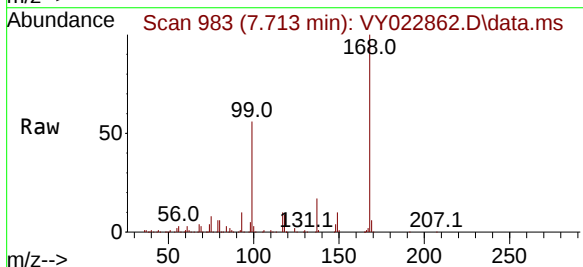
Instrument :
MSVOA_Y
ClientSampleId :
TP-87

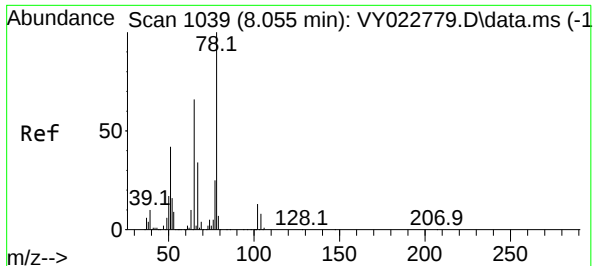
Tgt Ion:	84	Resp:	12482
Ion	Ratio	Lower	Upper
84	100		
49	97.8	101.9	152.9#
51	38.1	29.8	44.8
86	60.5	51.3	76.9



#31
Cyclohexane
Concen: 1.304 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

Tgt Ion:	56	Resp:	8722
Ion	Ratio	Lower	Upper
56	100		
69	128.9	27.0	40.6#
84	122.0	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 39.090 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022862.D

Acq: 27 Jun 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

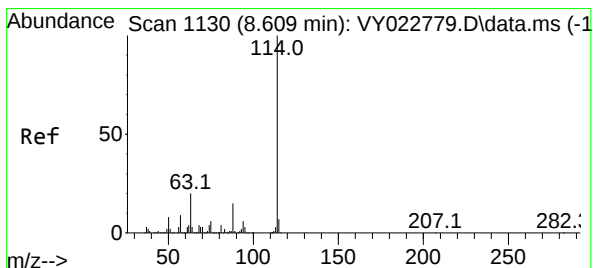
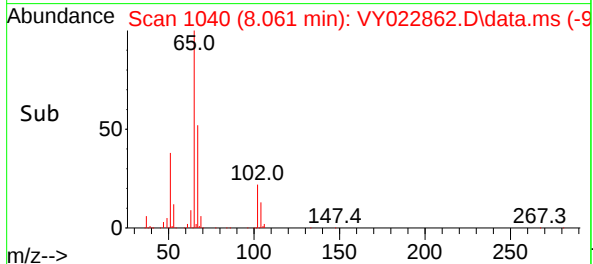
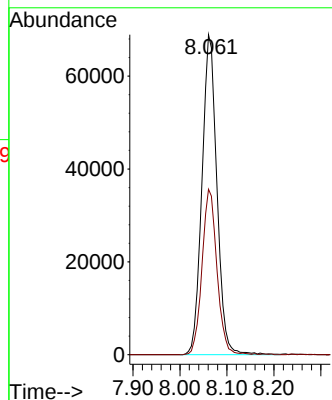
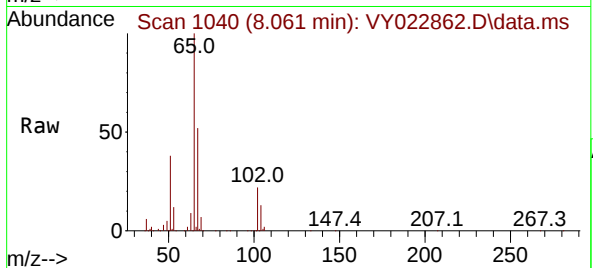
TP-87

Tgt Ion: 65 Resp: 152204

Ion Ratio Lower Upper

65 100

67 51.5 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: VY022862.D

Acq: 27 Jun 2025 15:19

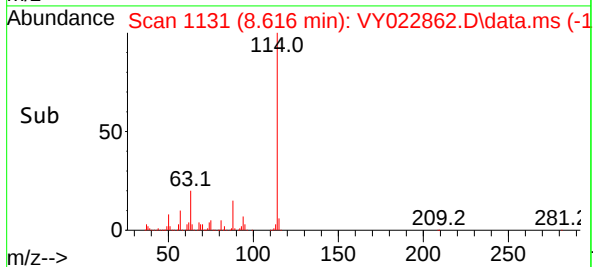
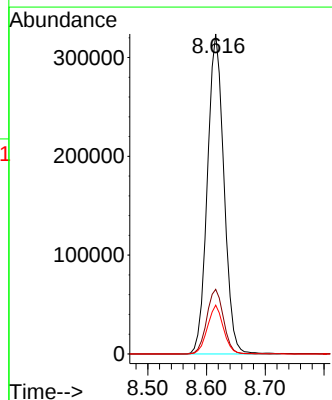
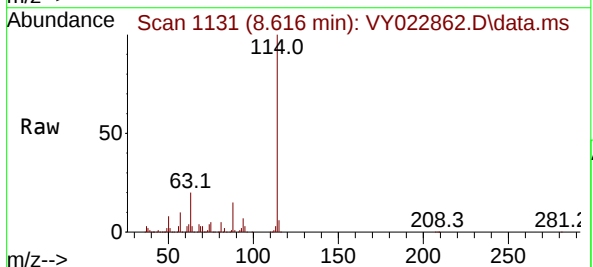
Tgt Ion:114 Resp: 632840

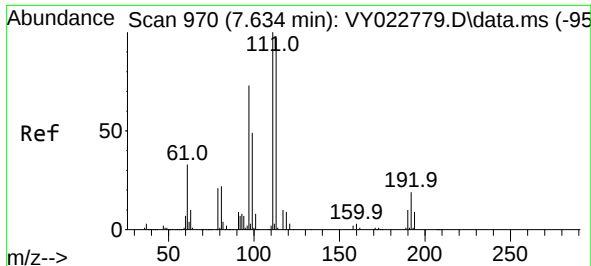
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.3 0.0 27.8

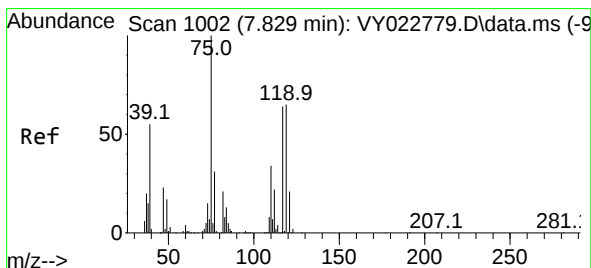
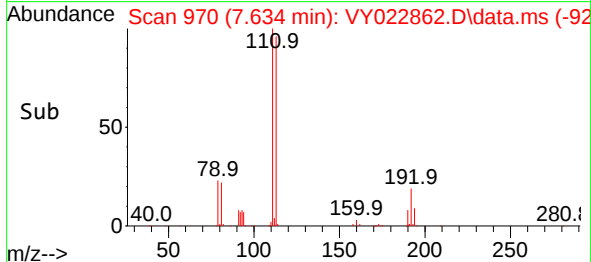
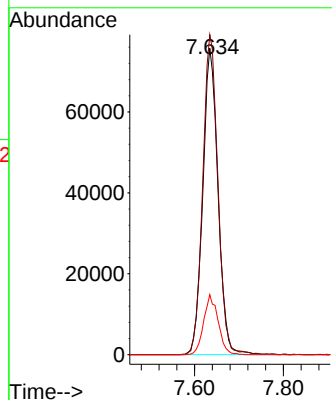
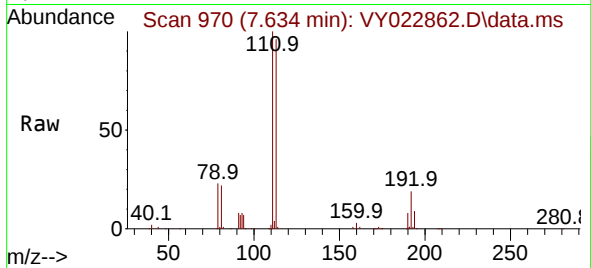




#35
Dibromofluoromethane
Concen: 46.972 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

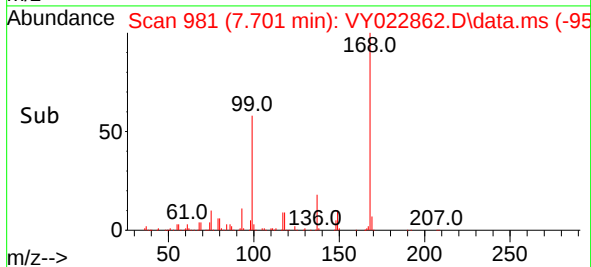
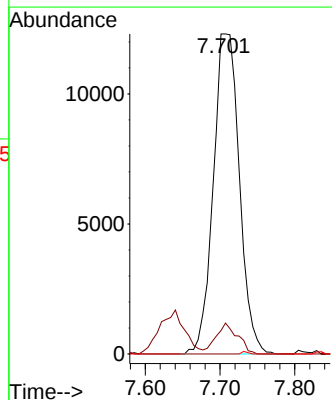
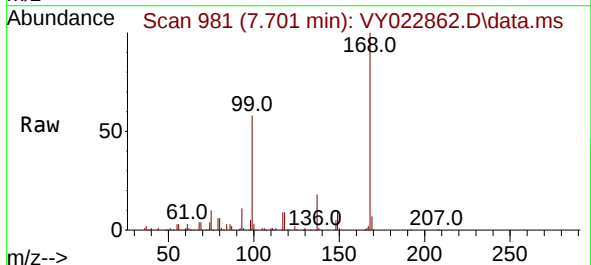
Instrument :
MSVOA_Y
ClientSampleId :
TP-87

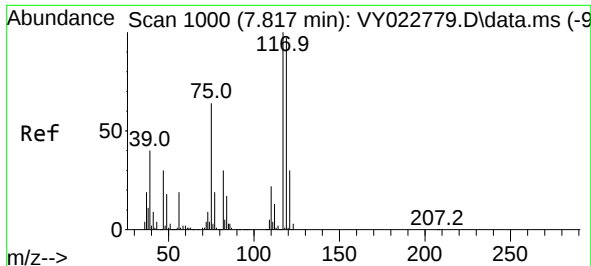
Tgt Ion:113 Resp: 180779
Ion Ratio Lower Upper
113 100
111 104.3 81.1 121.7
192 18.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.126 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

Tgt Ion: 75 Resp: 29903
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.7#
77 0.0 24.8 37.2#

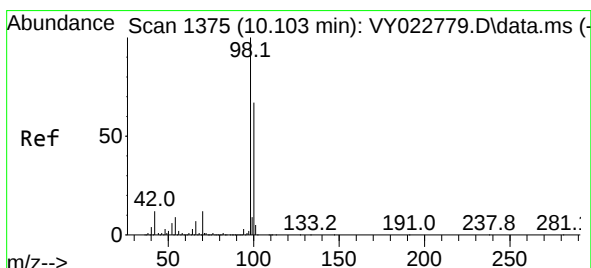
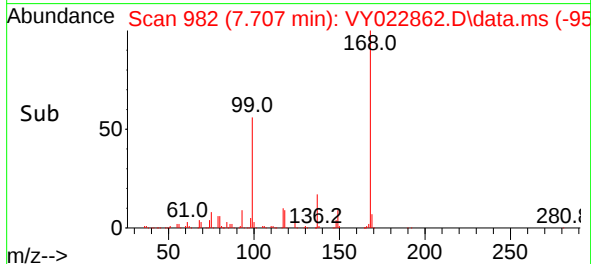
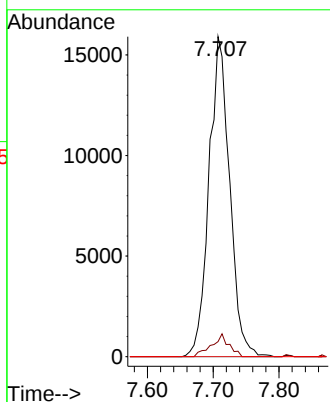
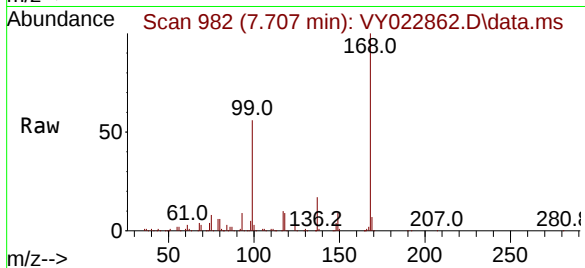




#38
Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

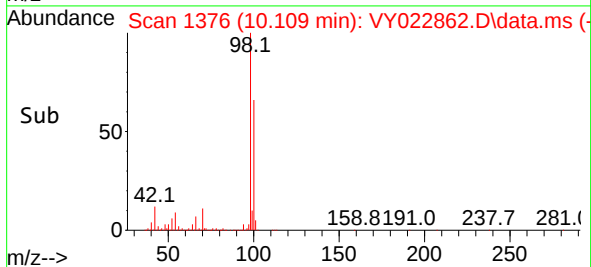
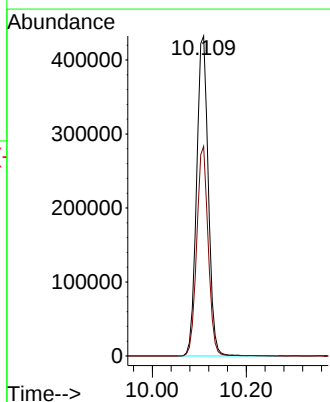
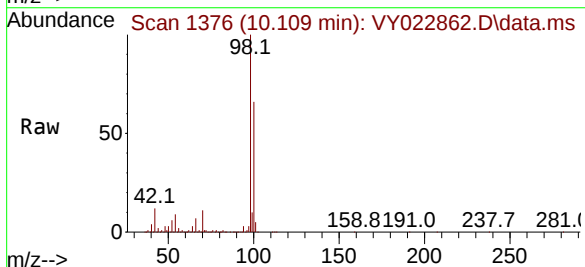
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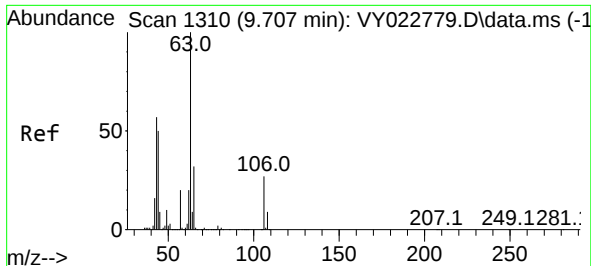
Tgt Ion:117 Resp: 34733
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.083 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

Tgt Ion: 98 Resp: 749594
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

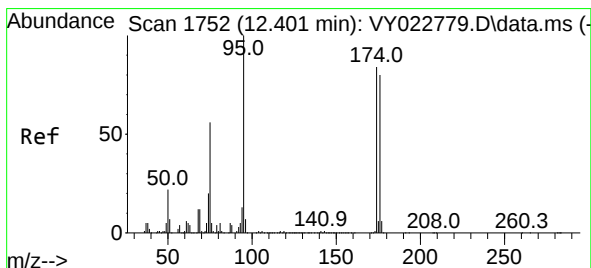
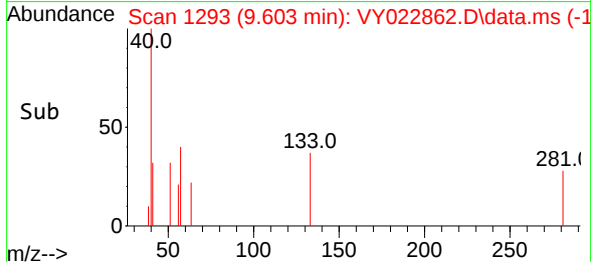
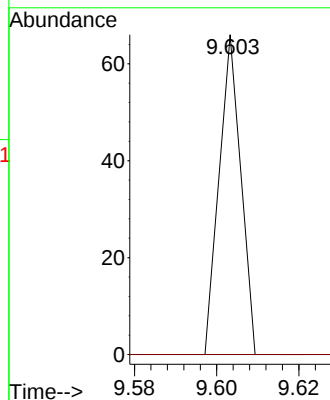
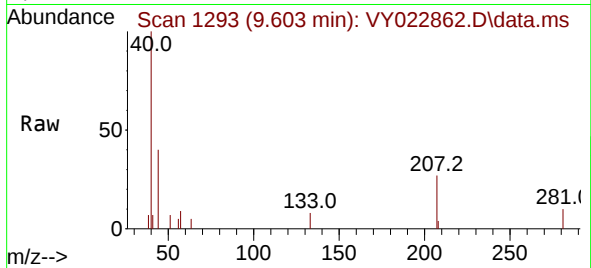




#58
2-Chloroethyl Vinyl ether
Concen: 15.666 ug/l
RT: 9.603 min Scan# 11
Delta R.T. -0.110 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

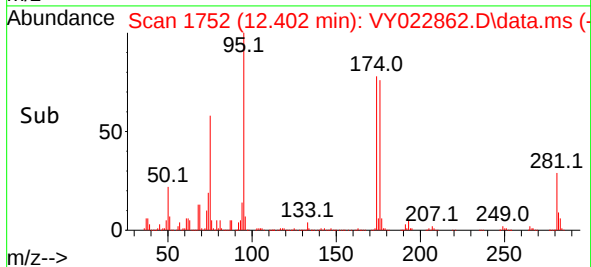
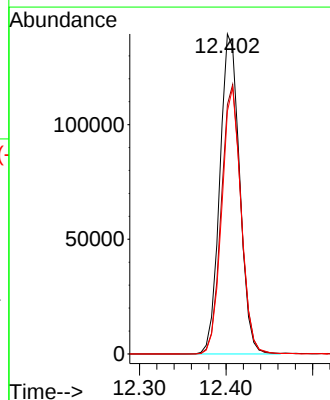
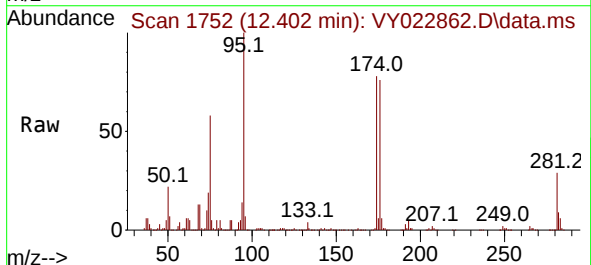
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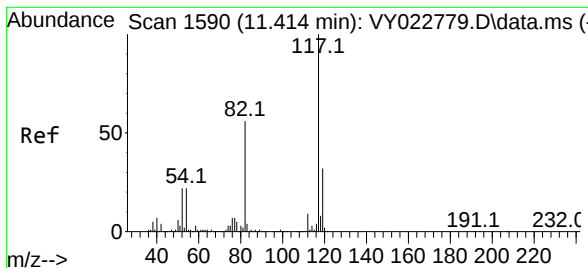
Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 45.189 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

Tgt Ion: 95 Resp: 221851
Ion Ratio Lower Upper
95 100
174 83.4 0.0 170.0
176 81.2 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: VY022862.D

Acq: 27 Jun 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-87

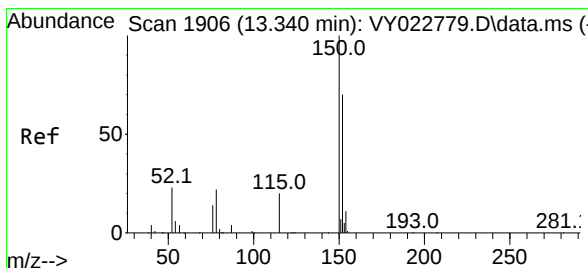
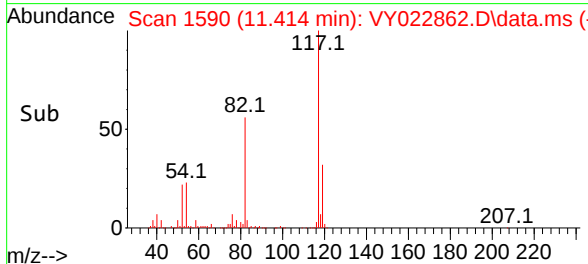
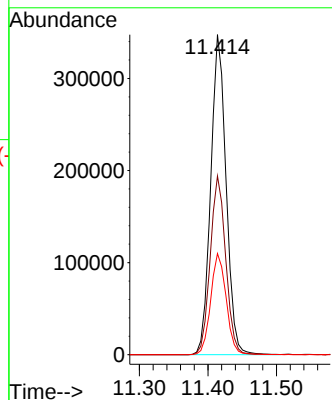
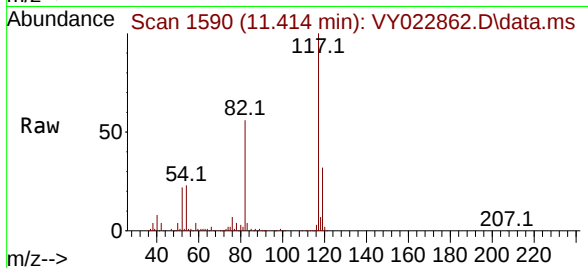
Tgt Ion:117 Resp: 540565

Ion Ratio Lower Upper

117 100

82 55.9 44.6 66.8

119 31.6 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: VY022862.D

Acq: 27 Jun 2025 15:19

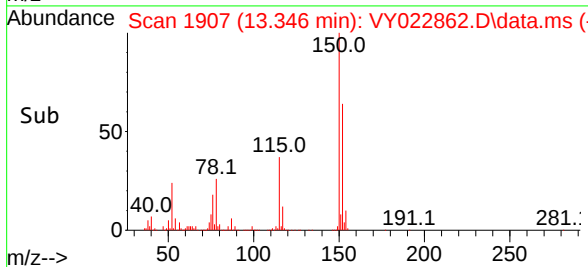
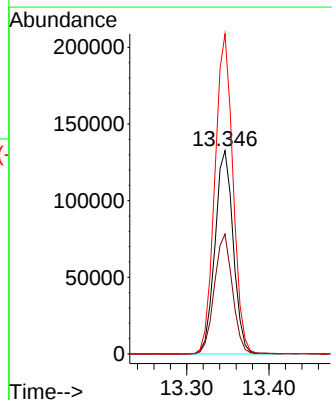
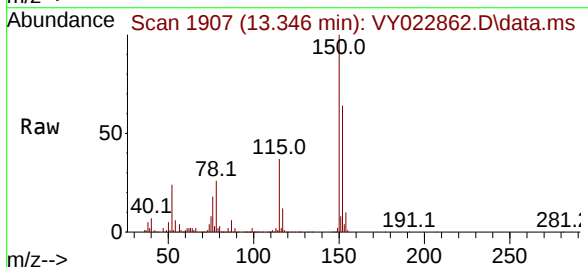
Tgt Ion:152 Resp: 204342

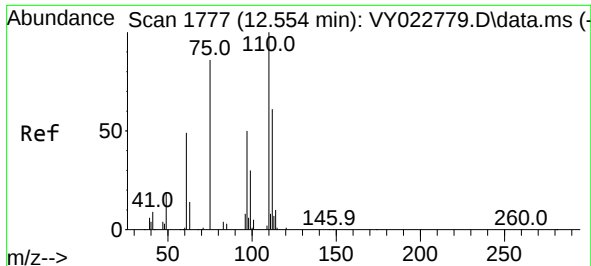
Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.7

150 156.3 0.0 349.6

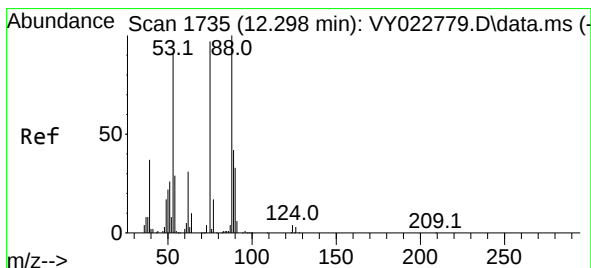
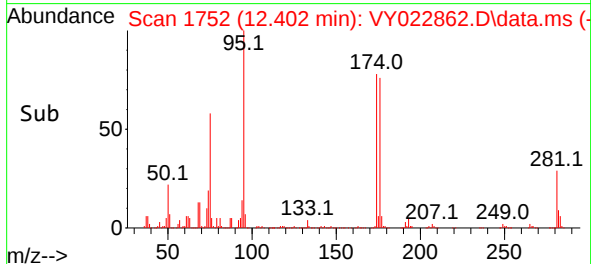
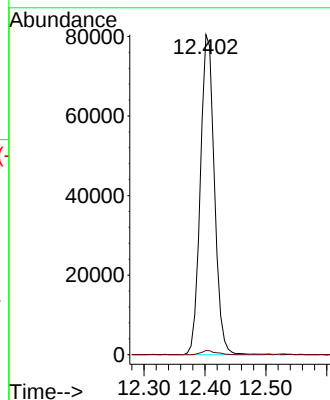
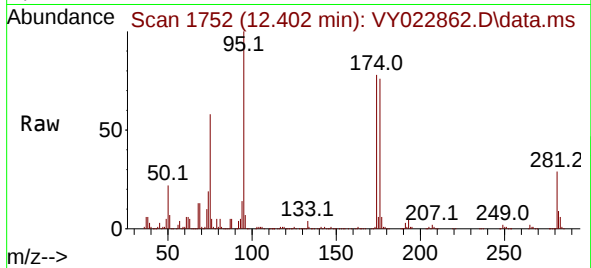




#76
1,2,3-Trichloropropane
Concen: 61.708 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-87

Tgt Ion: 75 Resp: 128732
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 155.898 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022862.D
Acq: 27 Jun 2025 15:19

Tgt Ion: 75 Resp: 128732
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 1.0 35.7 53.5#

