

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022860.D
 Acq On : 27 Jun 2025 14:33
 Operator : SY/MD
 Sample : Q2436-05
 Misc : 4.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-84

Quant Time: Jun 27 23:18:32 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)

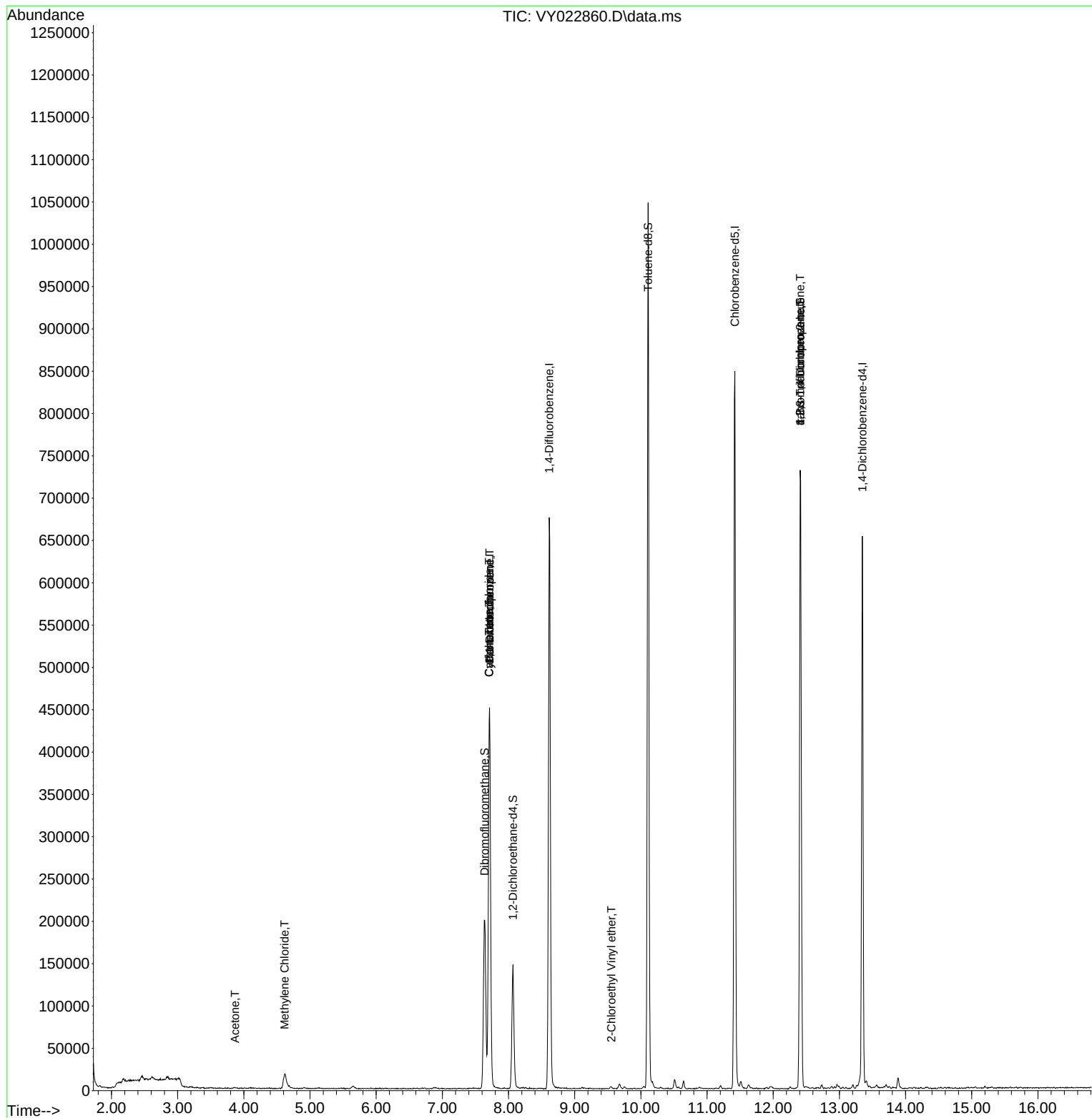
Internal Standards						
1) Pentafluorobenzene	7.713	168	345289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	569419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	446463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	110820	28.756	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	57.520%
35) Dibromofluoromethane	7.640	113	146388	42.273	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.540%
50) Toluene-d8	10.109	98	654319	47.617	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.240%
62) 4-Bromofluorobenzene	12.408	95	174028	39.396	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.800%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1933	2.654	ug/l	94
20) Methylene Chloride	4.616	84	12172	2.646	ug/l	87
31) Cyclohexane	7.707	56	8704	1.315	ug/l #	18
36) 1,1-Dichloropropene	7.713	75	29445	5.610	ug/l #	51
38) Carbon Tetrachloride	7.707	117	35436	6.398	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.554	63	58	15.683	ug/l #	48
76) 1,2,3-Trichloropropane	12.408	75	100052	63.366	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	100052	160.088	ug/l #	11

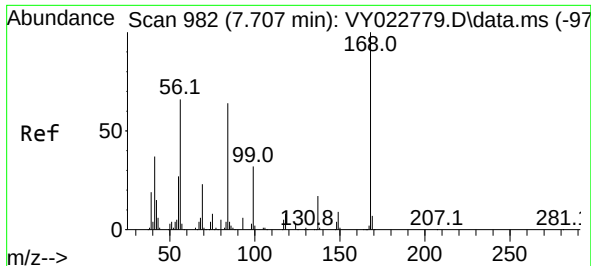
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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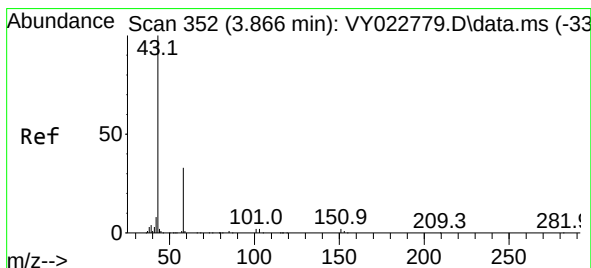
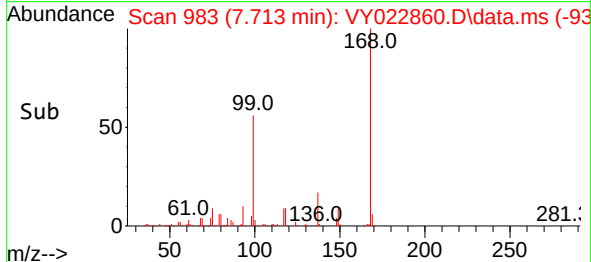
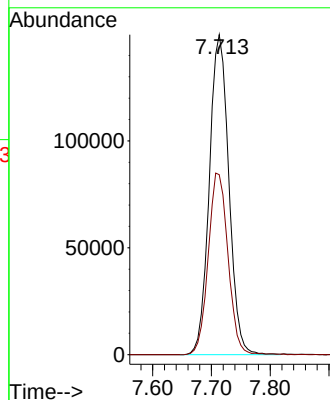
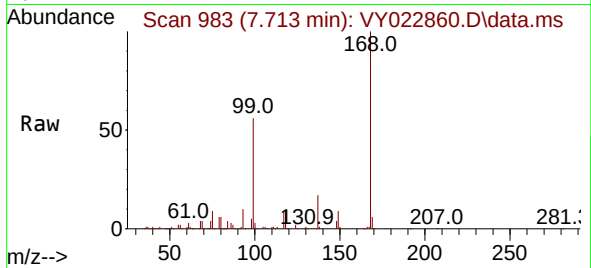




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

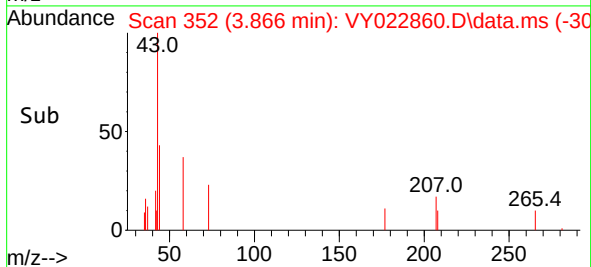
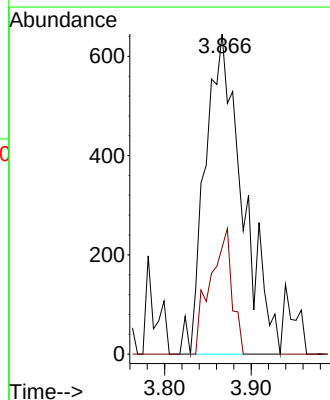
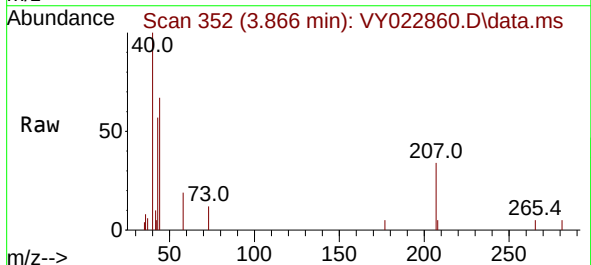
Instrument :
MSVOA_Y
ClientSampleId :
TP-84

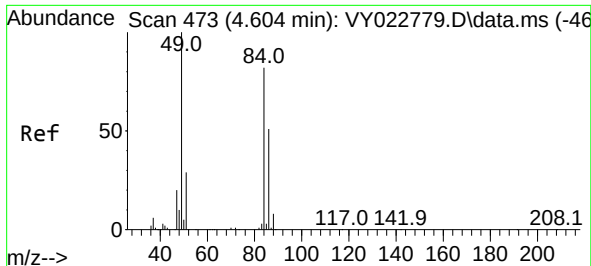
Tgt Ion:168 Resp: 345289
Ion Ratio Lower Upper
168 100
99 56.2 44.3 66.5



#16
Acetone
Concen: 2.654 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

Tgt Ion: 43 Resp: 1933
Ion Ratio Lower Upper
43 100
58 33.3 24.0 36.0

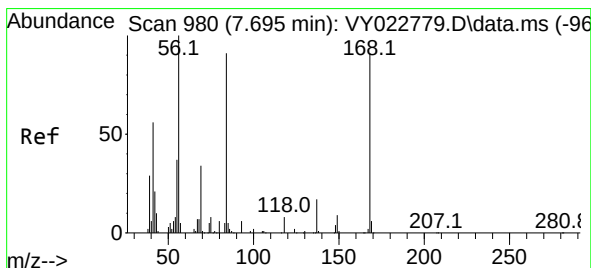
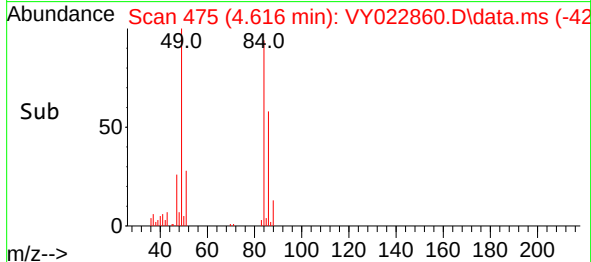
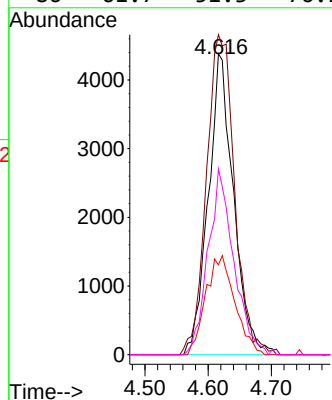
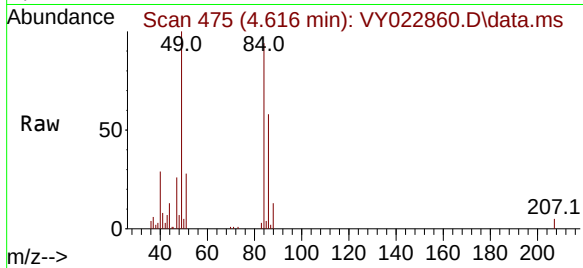




#20
Methylene Chloride
Concen: 2.646 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

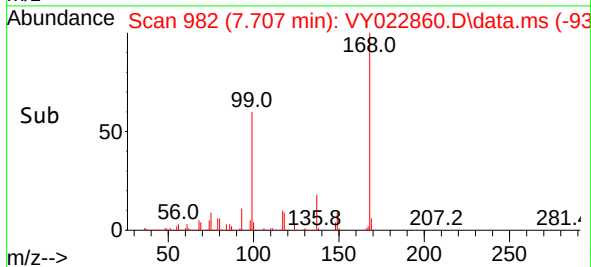
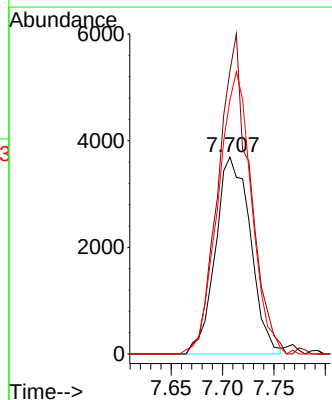
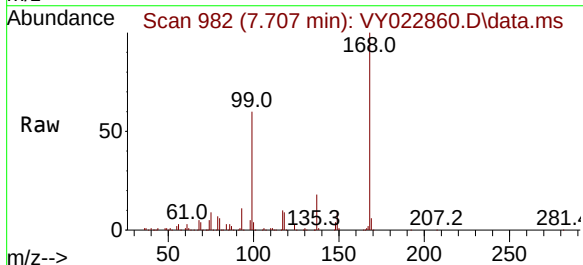
Instrument :
MSVOA_Y
ClientSampleId :
TP-84

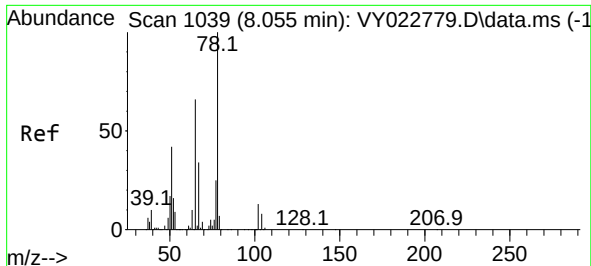
Tgt Ion:	84	Resp:	12172
Ion	Ratio	Lower	Upper
84	100		
49	106.3	101.9	152.9
51	29.8	29.8	44.8
86	61.7	51.3	76.9



#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

Tgt Ion:	56	Resp:	8704
Ion	Ratio	Lower	Upper
56	100		
69	143.8	27.0	40.6#
84	129.2	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 28.756 ug/l

RT: 8.067 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VY022860.D

Acq: 27 Jun 2025 14:33

Instrument :

MSVOA_Y

ClientSampleId :

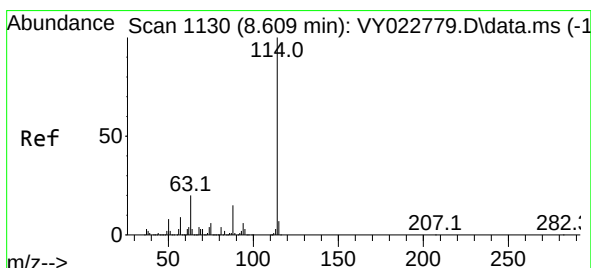
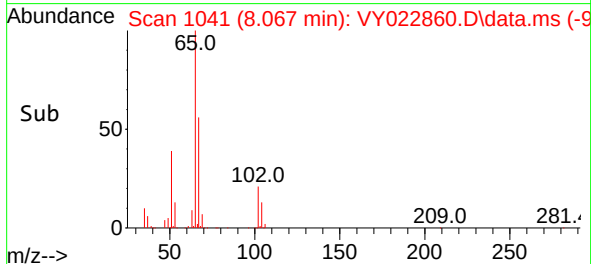
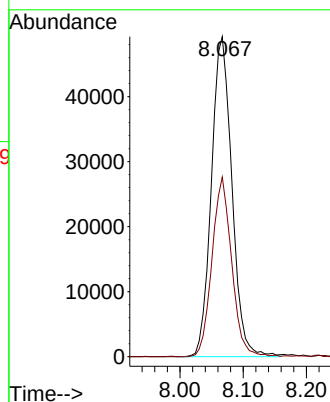
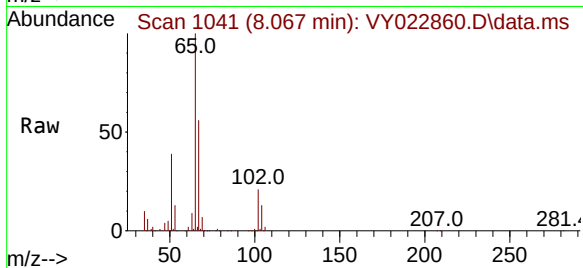
TP-84

Tgt Ion: 65 Resp: 110820

Ion Ratio Lower Upper

65 100

67 53.9 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: VY022860.D

Acq: 27 Jun 2025 14:33

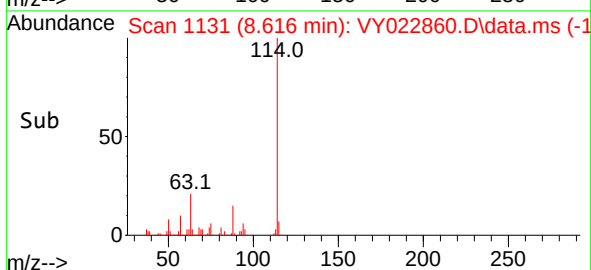
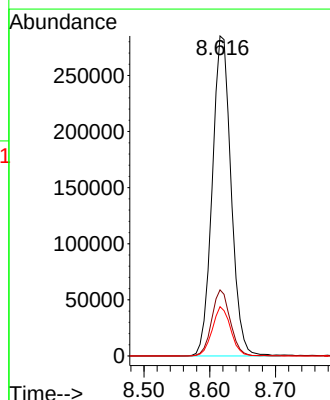
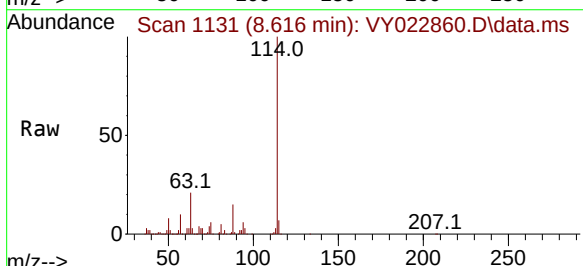
Tgt Ion:114 Resp: 569419

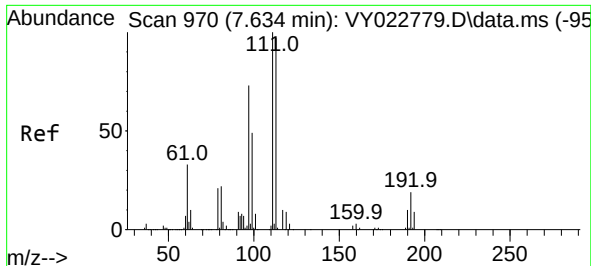
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.4 0.0 27.8

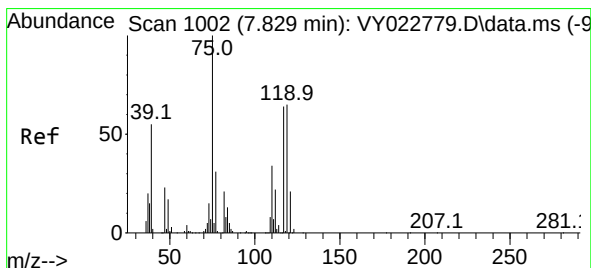
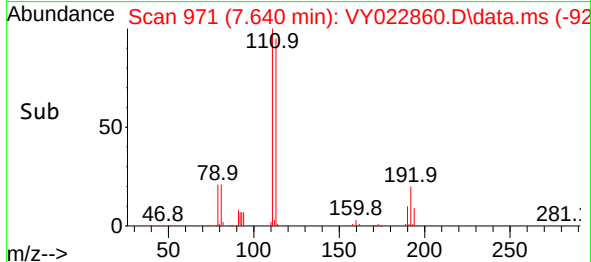
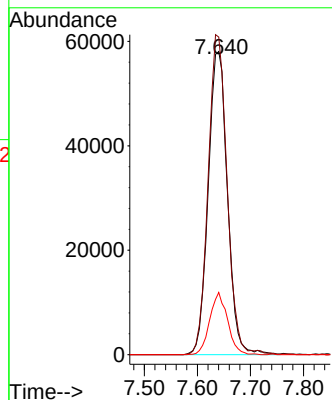
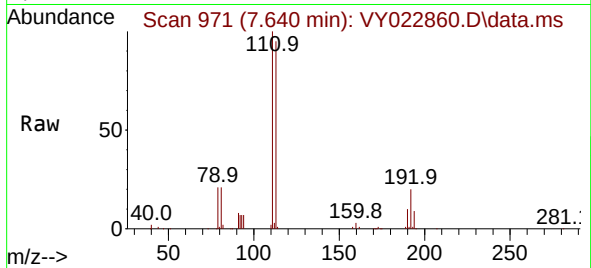




#35
Dibromofluoromethane
Concen: 42.273 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

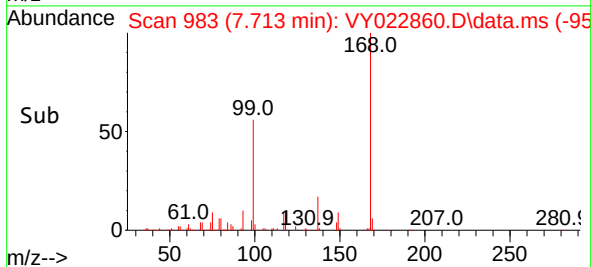
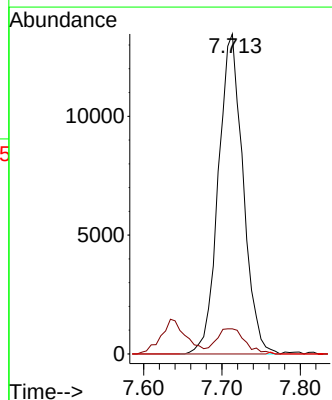
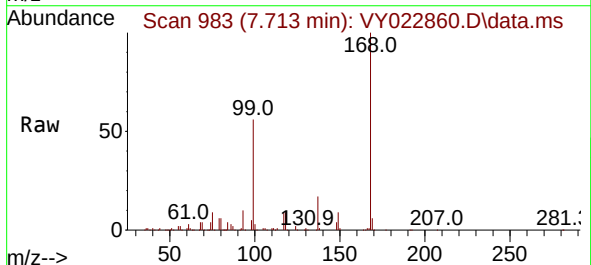
Instrument :
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ClientSampleId :
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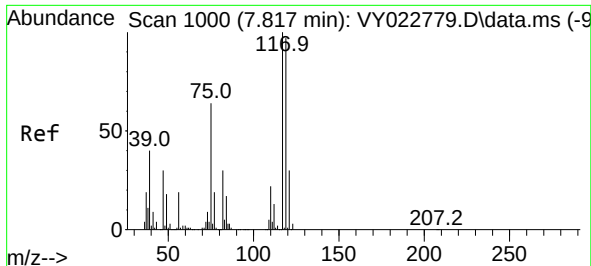
Tgt Ion:113 Resp: 146388
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 19.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.610 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

Tgt Ion: 75 Resp: 29445
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.0 24.8 37.2#

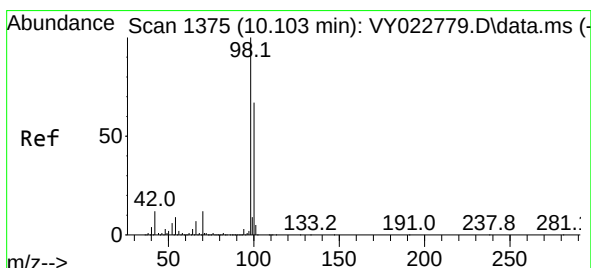
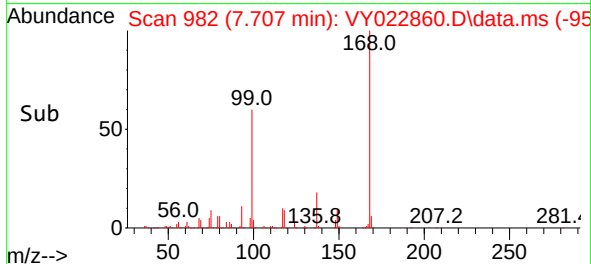
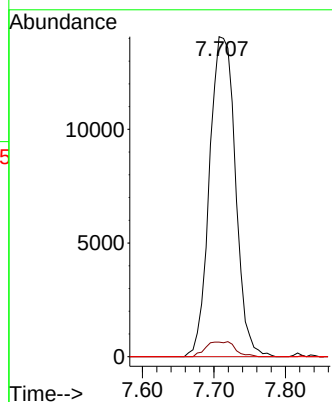
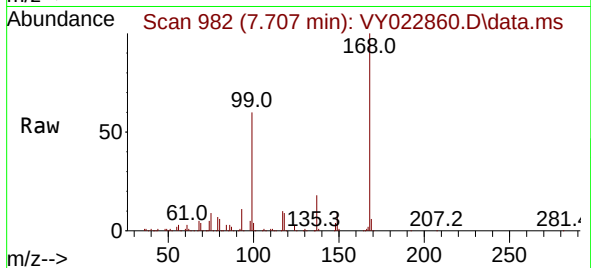




#38
Carbon Tetrachloride
Concen: 6.398 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

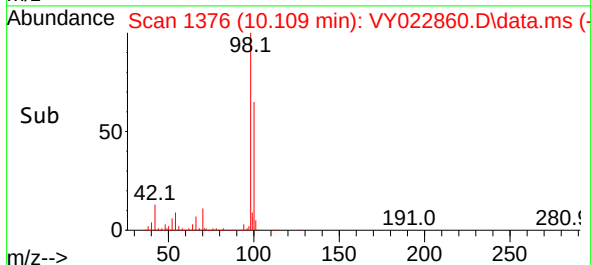
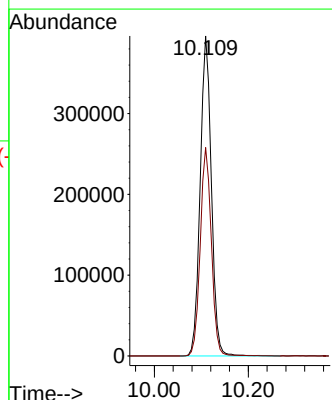
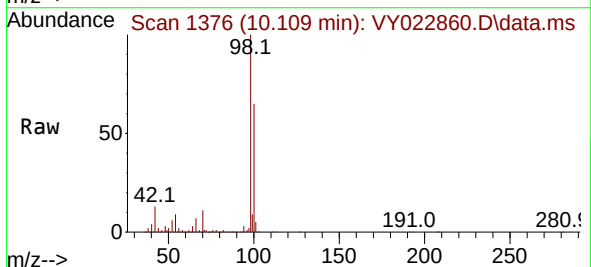
Instrument :
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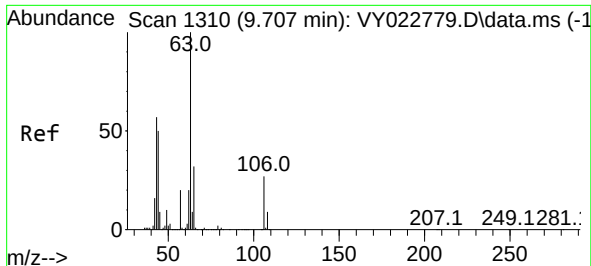
Tgt Ion:117 Resp: 35436
Ion Ratio Lower Upper
117 100
119 4.6 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 47.617 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

Tgt Ion: 98 Resp: 654319
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0

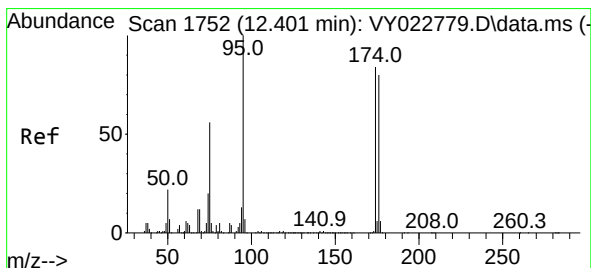
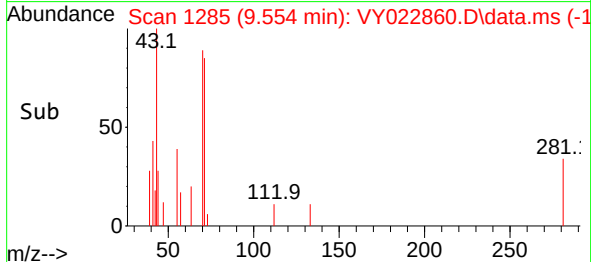
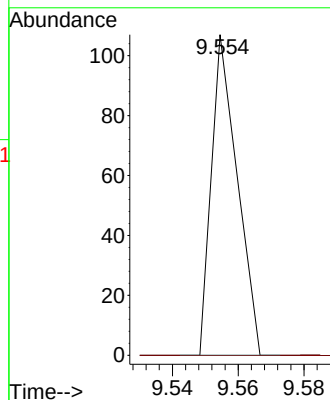
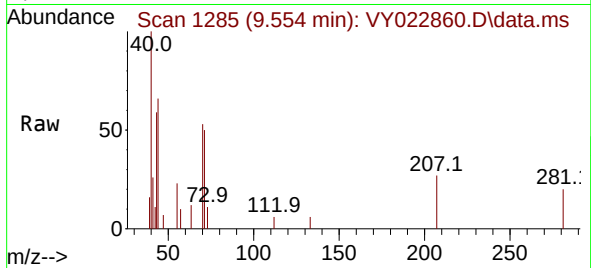




#58
2-Chloroethyl Vinyl ether
Concen: 15.683 ug/l
RT: 9.554 min Scan# 11
Delta R.T. -0.159 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

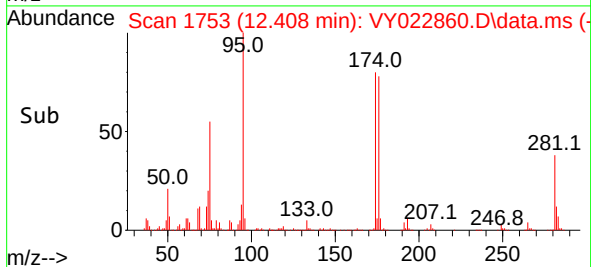
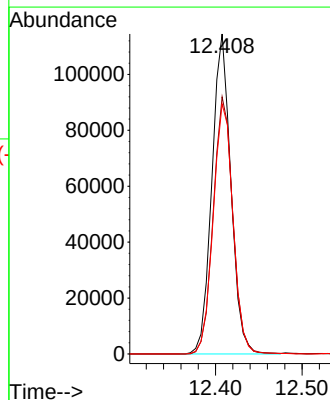
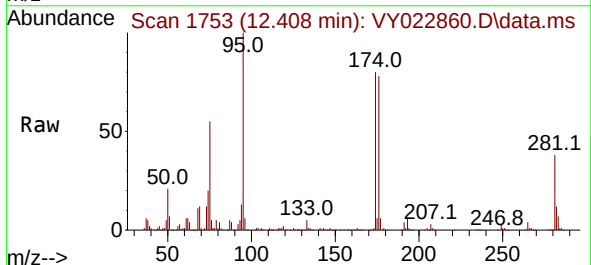
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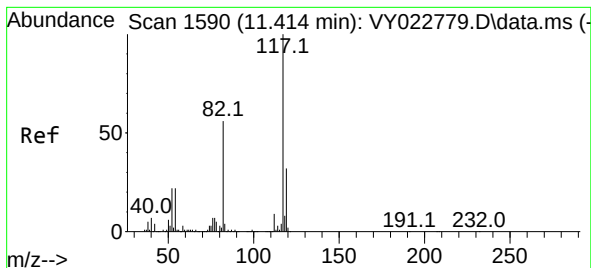
Tgt Ion: 63 Resp: 58
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 39.396 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022860.D
Acq: 27 Jun 2025 14:33

Tgt Ion: 95 Resp: 174028
Ion Ratio Lower Upper
95 100
174 82.9 0.0 170.0
176 81.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022860.D

Acq: 27 Jun 2025 14:33

Instrument :

MSVOA_Y

ClientSampleId :

TP-84

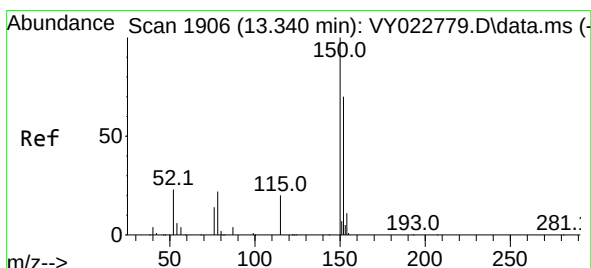
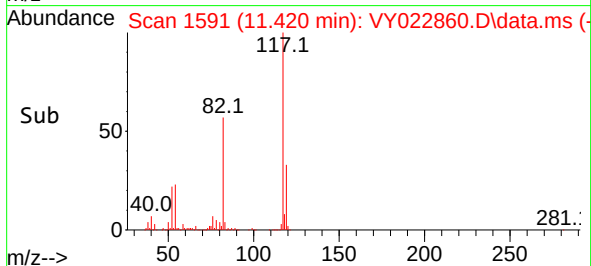
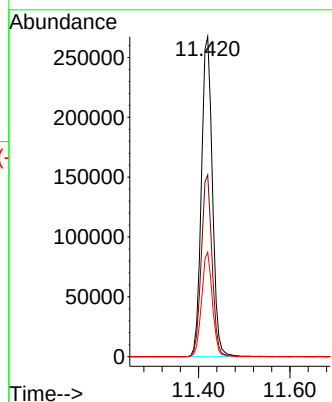
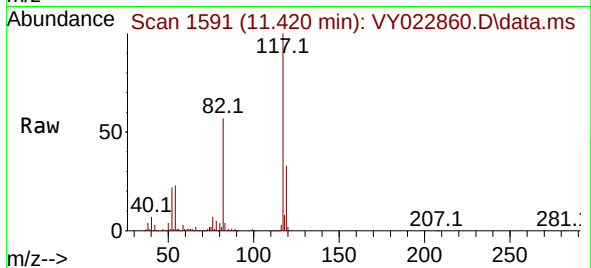
Tgt Ion:117 Resp: 446463

Ion Ratio Lower Upper

117 100

82 56.8 44.6 66.8

119 32.6 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: VY022860.D

Acq: 27 Jun 2025 14:33

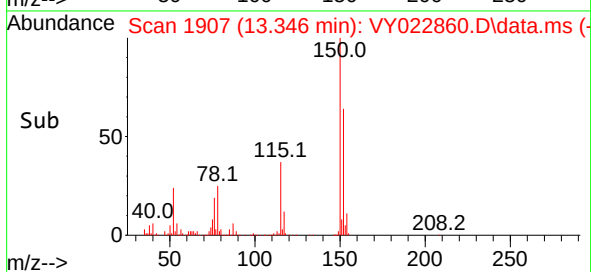
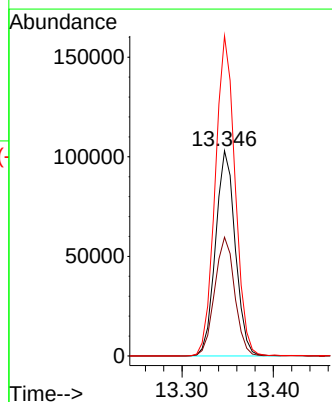
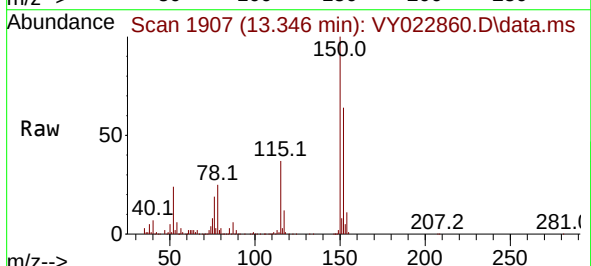
Tgt Ion:152 Resp: 154660

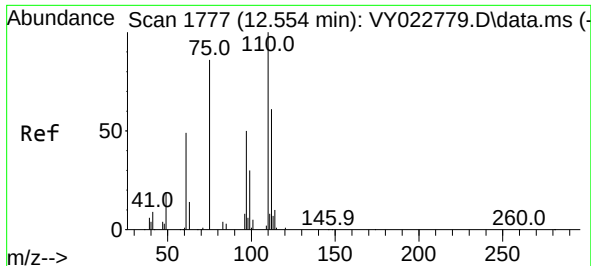
Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 157.0 0.0 349.6

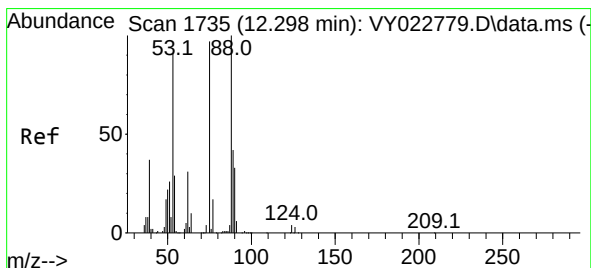
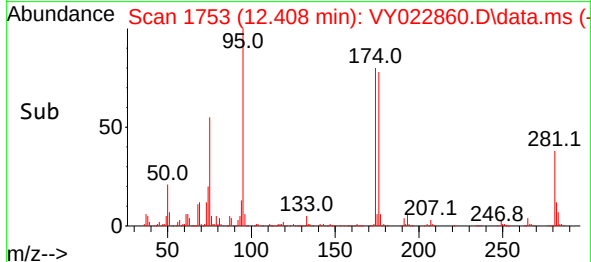
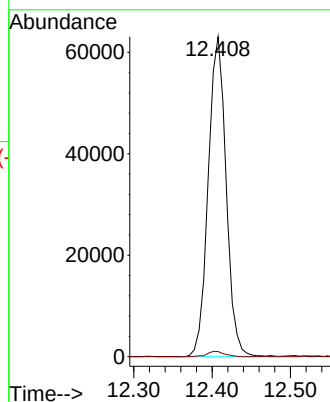
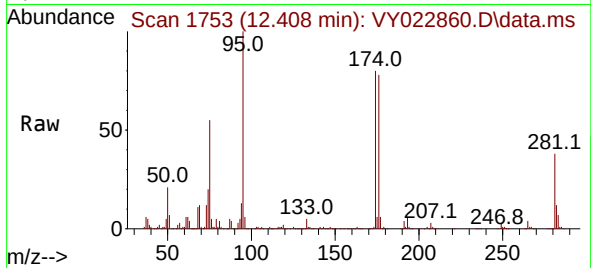




#76
 1,2,3-Trichloropropane
 Concen: 63.366 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022860.D
 Acq: 27 Jun 2025 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-84

Tgt Ion: 75 Resp: 100052
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 160.088 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY022860.D
 Acq: 27 Jun 2025 14:33

Tgt Ion: 75 Resp: 100052
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.9 35.7 53.5#

