

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022659.D
 Acq On : 11 Jun 2025 13:11
 Operator : SY/MD
 Sample : Q2280-01
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-210

Quant Time: Jun 12 05:06:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

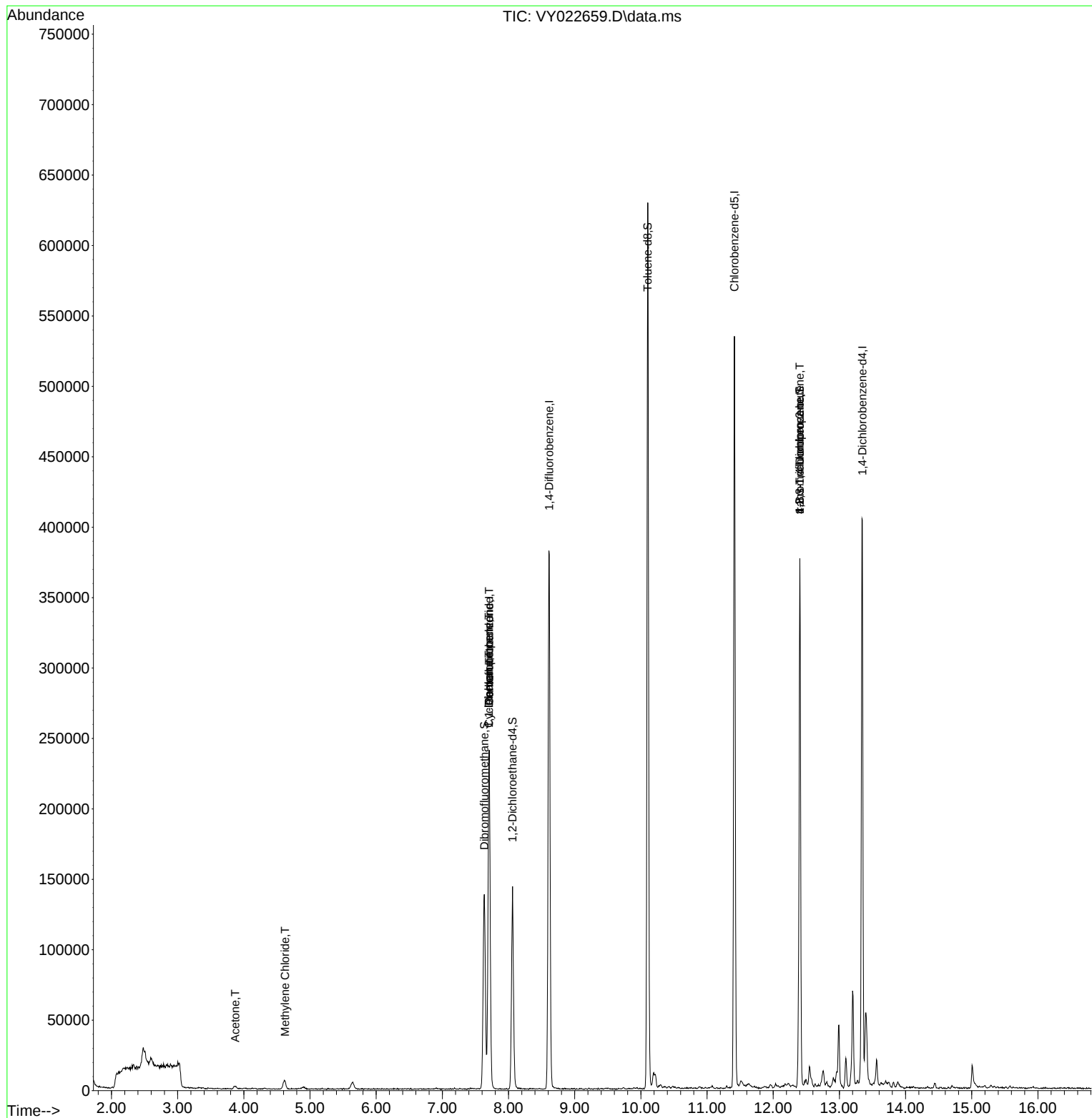
Internal Standards						
1) Pentafluorobenzene	7.707	168	176797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	259001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	94902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	99807	50.474	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.940%	
35) Dibromofluoromethane	7.634	113	95147	50.230	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.460%	
50) Toluene-d8	10.103	98	384462	50.231	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.460%	
62) 4-Bromofluorobenzene	12.402	95	97298	42.666	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.340%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	3361	8.370	ug/l #	83
20) Methylene Chloride	4.623	84	4203	1.843	ug/l #	84
31) Cyclohexane	7.701	56	5201	1.369	ug/l #	24
36) 1,1-Dichloropropene	7.701	75	16036	5.216	ug/l #	51
38) Carbon Tetrachloride	7.707	117	18580	5.891	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	57296	52.773	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	57296	127.443	ug/l #	12

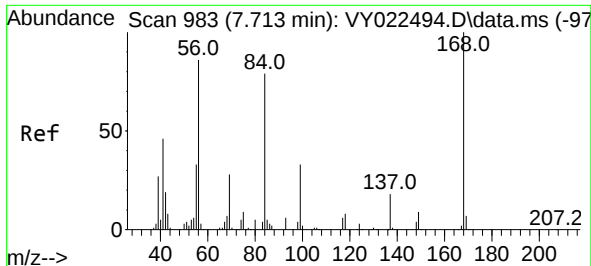
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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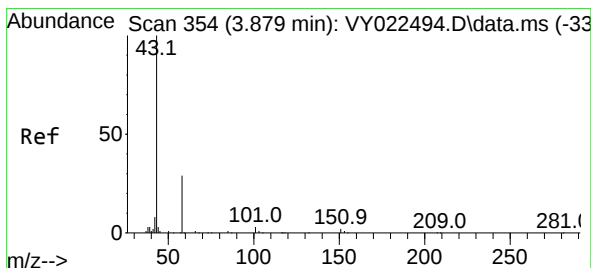
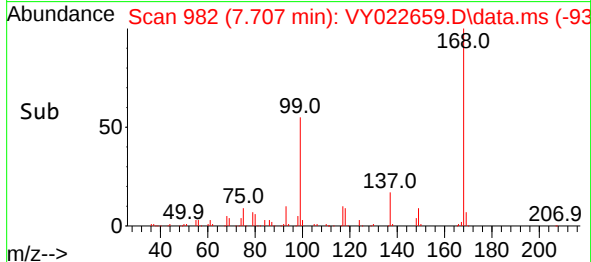
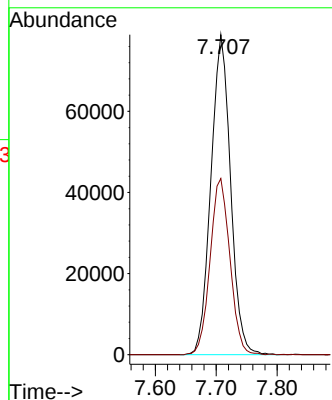
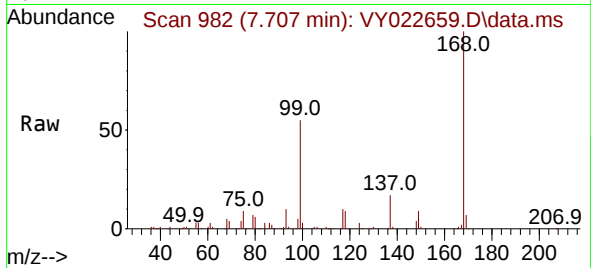




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022659.D
Acq: 11 Jun 2025 13:11

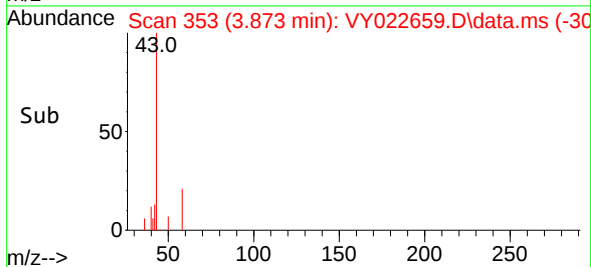
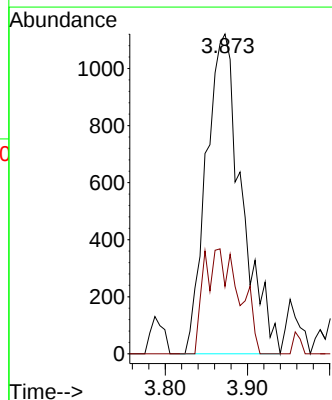
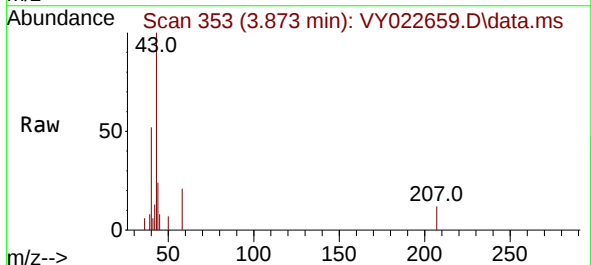
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

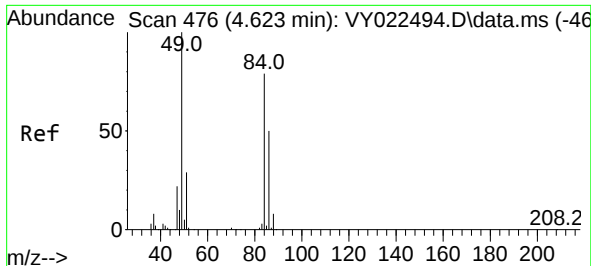
Tgt Ion:168 Resp: 176797
Ion Ratio Lower Upper
168 100
99 55.1 44.3 66.5



#16
Acetone
Concen: 8.370 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022659.D
Acq: 11 Jun 2025 13:11

Tgt Ion: 43 Resp: 3361
Ion Ratio Lower Upper
43 100
58 21.1 24.0 36.0#

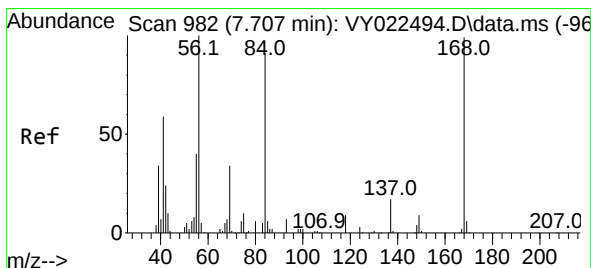
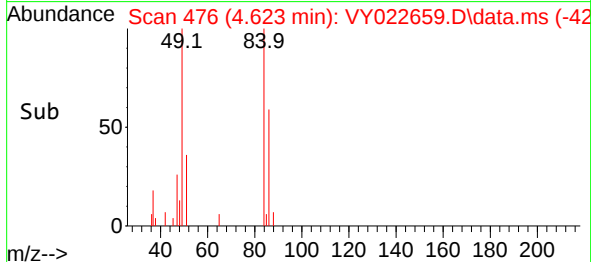
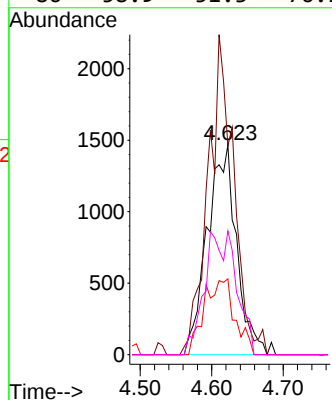
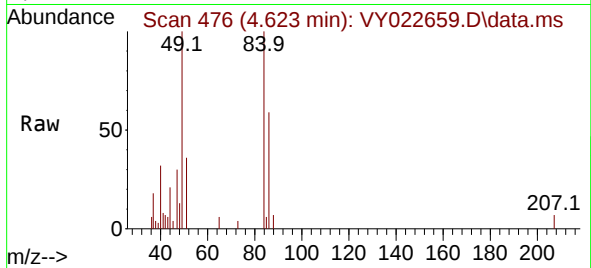




#20
Methylene Chloride
Concen: 1.843 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY022659.D
Acq: 11 Jun 2025 13:11

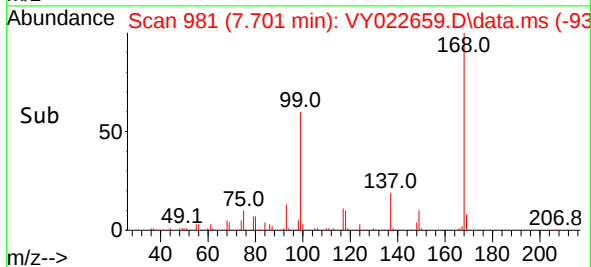
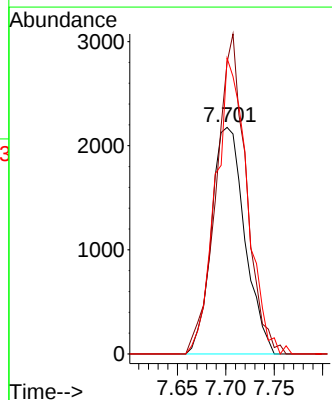
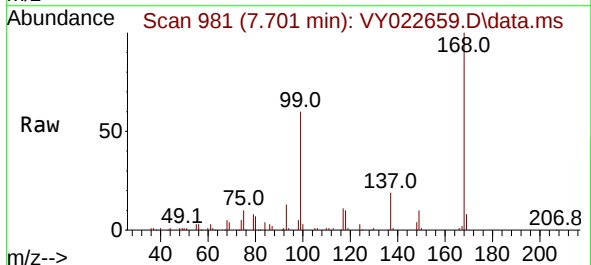
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

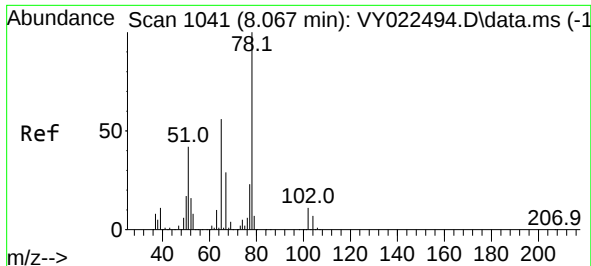
Tgt Ion:	84	Resp:	4203
Ion	Ratio	Lower	Upper
84	100		
49	99.7	101.9	152.9#
51	36.2	29.8	44.8
86	58.9	51.3	76.9



#31
Cyclohexane
Concen: 1.369 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022659.D
Acq: 11 Jun 2025 13:11

Tgt Ion:	56	Resp:	5201
Ion	Ratio	Lower	Upper
56	100		
69	128.6	27.0	40.6#
84	130.6	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.474 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022659.D

Acq: 11 Jun 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

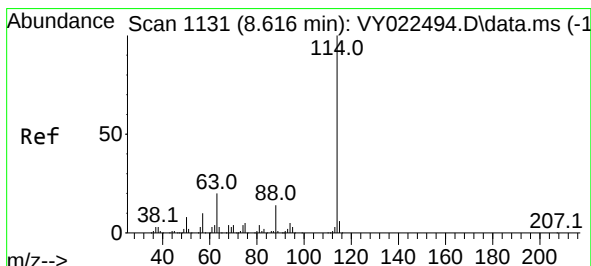
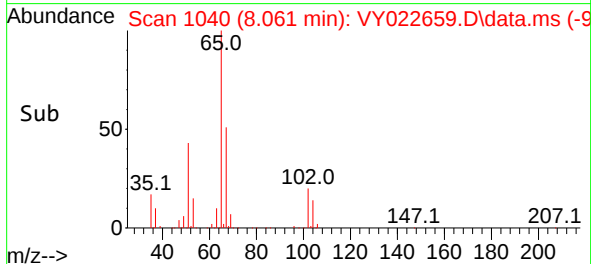
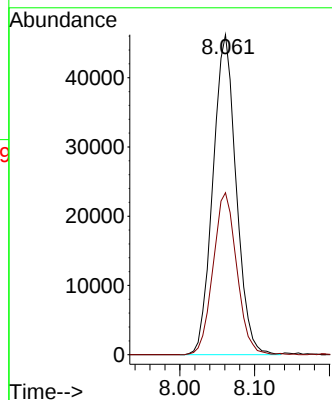
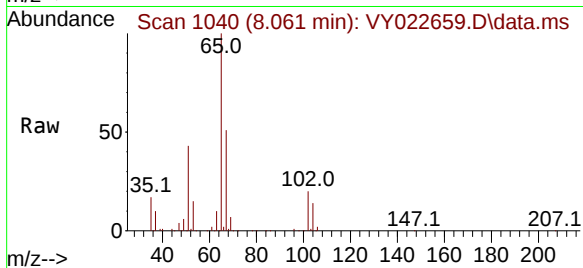
VNJ-210

Tgt Ion: 65 Resp: 99807

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: VY022659.D

Acq: 11 Jun 2025 13:11

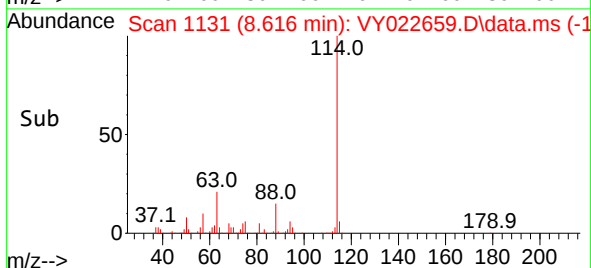
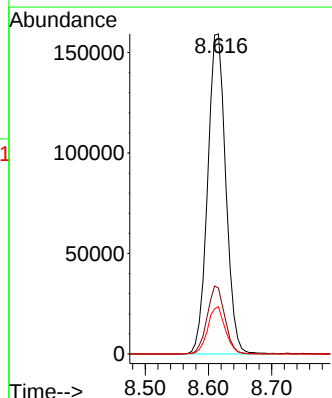
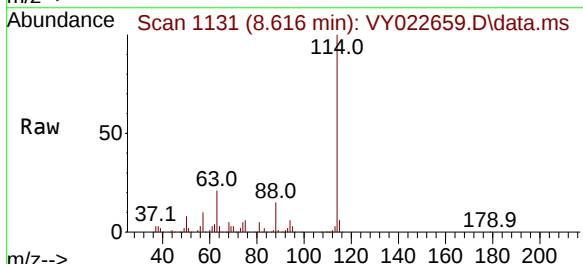
Tgt Ion: 114 Resp: 317352

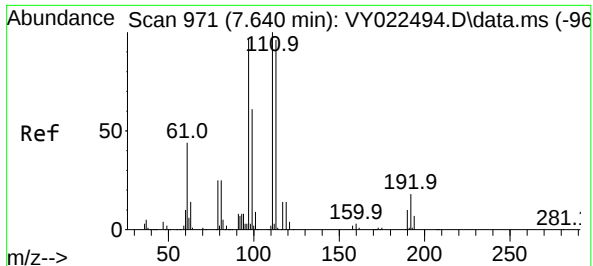
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 14.7 0.0 27.8





#35

Dibromofluoromethane

Concen: 50.230 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022659.D

Acq: 11 Jun 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-210

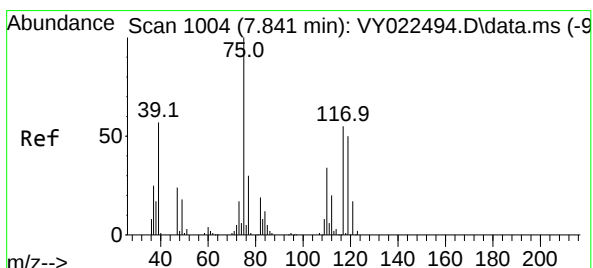
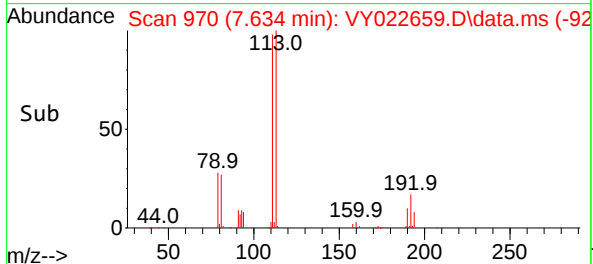
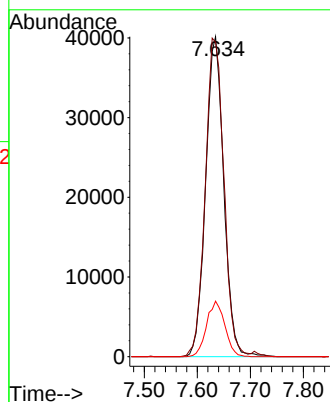
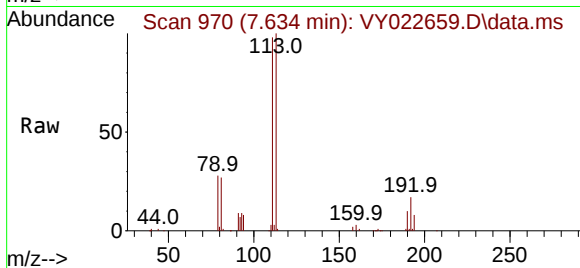
Tgt Ion:113 Resp: 95147

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

192 17.6 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.216 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022659.D

Acq: 11 Jun 2025 13:11

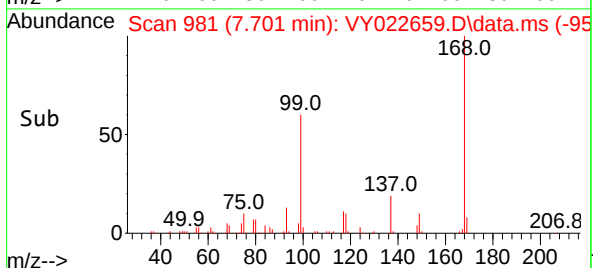
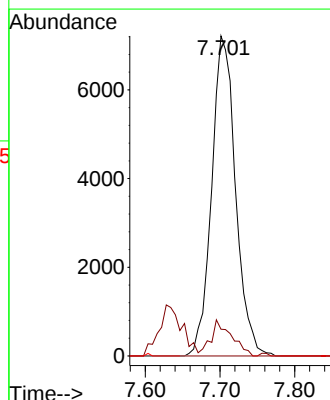
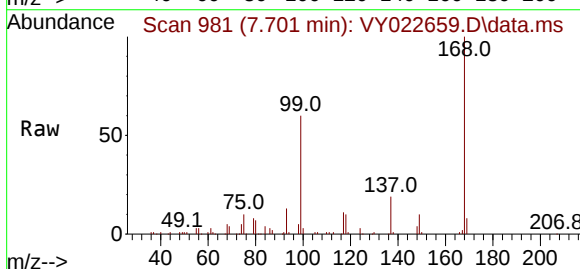
Tgt Ion: 75 Resp: 16036

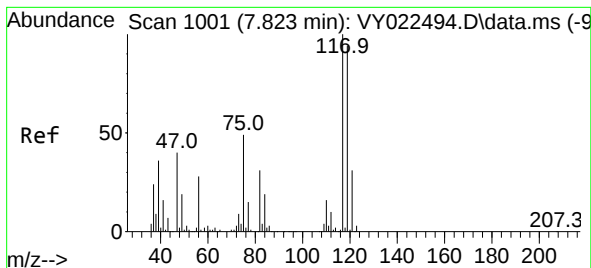
Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.7#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.891 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022659.D

Acq: 11 Jun 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-210

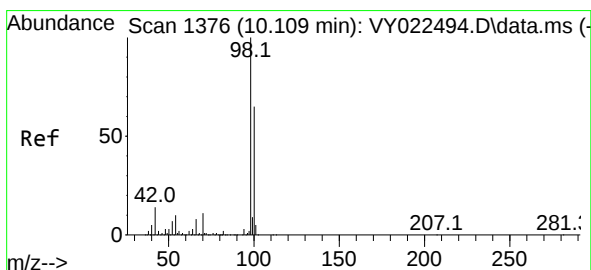
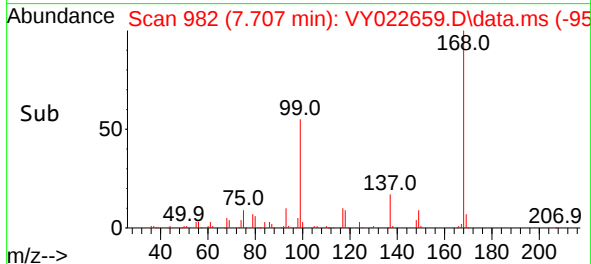
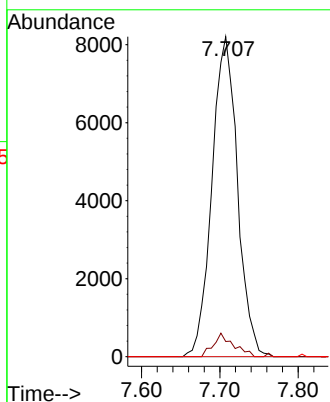
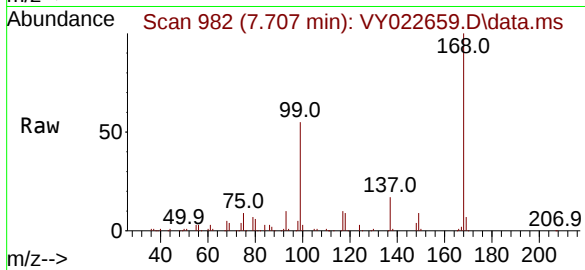
Tgt Ion:117 Resp: 18580

Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 50.231 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022659.D

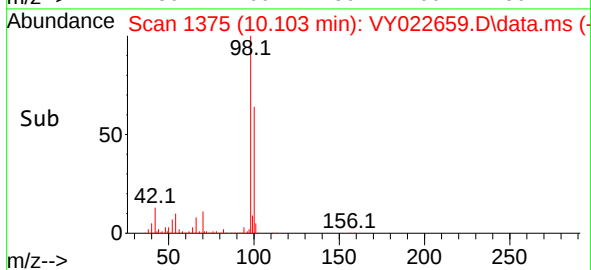
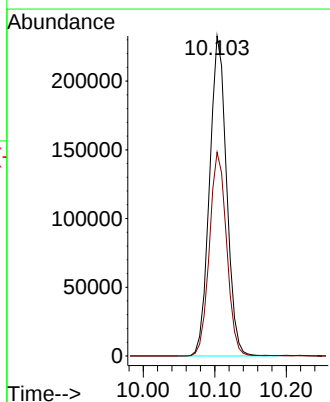
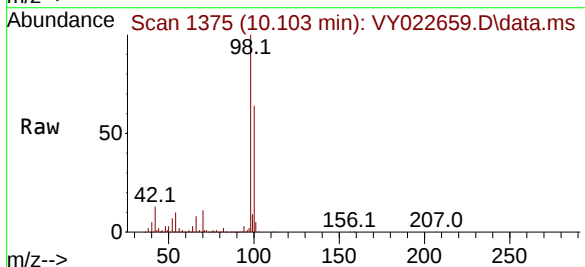
Acq: 11 Jun 2025 13:11

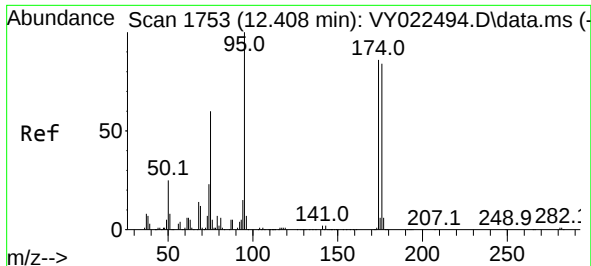
Tgt Ion: 98 Resp: 384462

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0

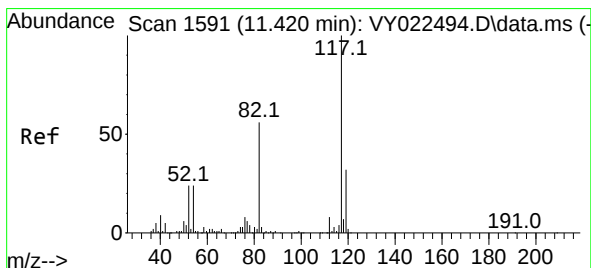
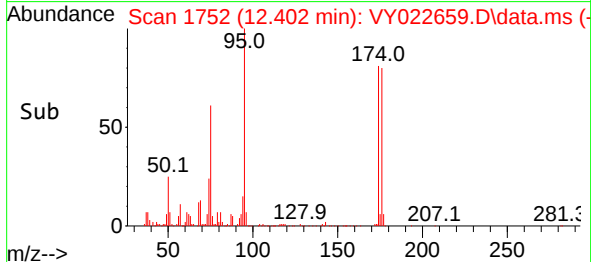
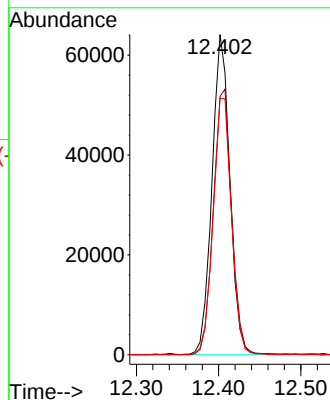
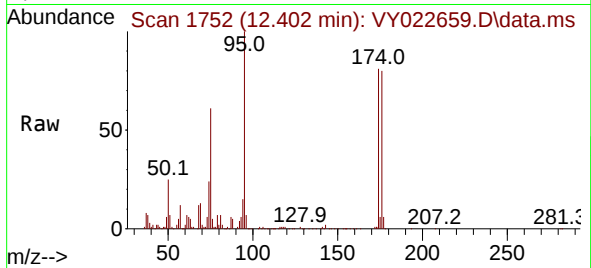




#62
4-Bromofluorobenzene
Concen: 42.666 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022659.D
Acq: 11 Jun 2025 13:11

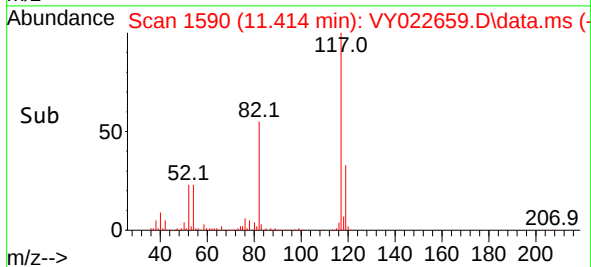
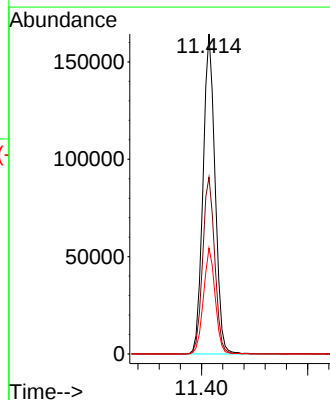
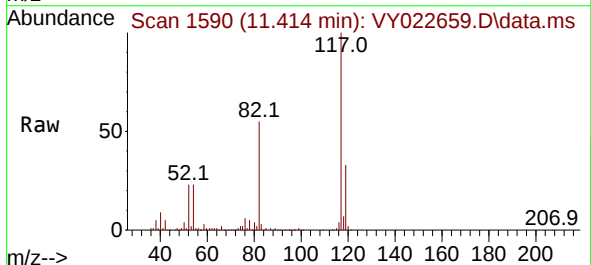
Instrument :
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VNJ-210

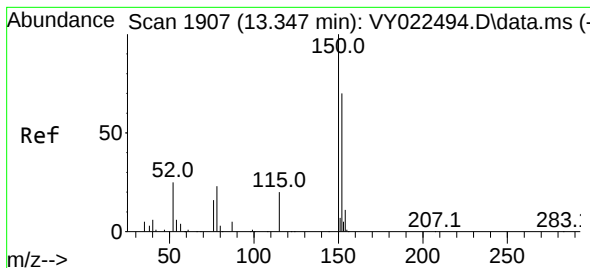
Tgt Ion: 95 Resp: 97298
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.0
176 81.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022659.D
Acq: 11 Jun 2025 13:11

Tgt Ion: 117 Resp: 259001
Ion Ratio Lower Upper
117 100
82 55.3 44.6 66.8
119 33.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022659.D

Acq: 11 Jun 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-210

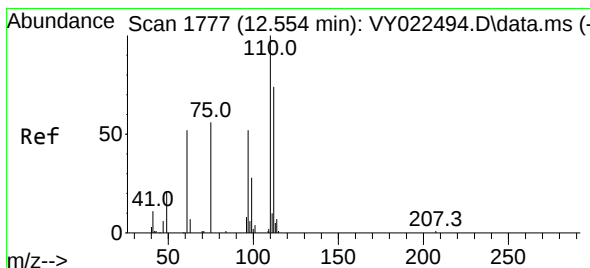
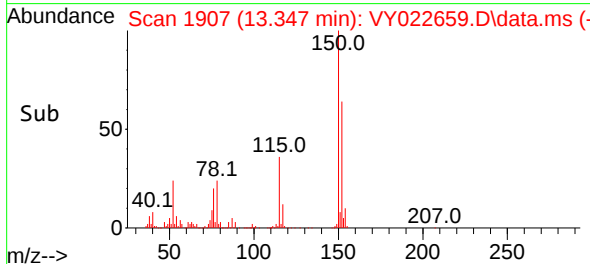
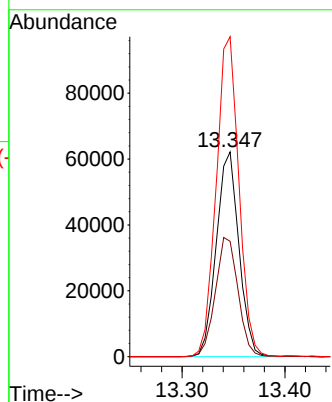
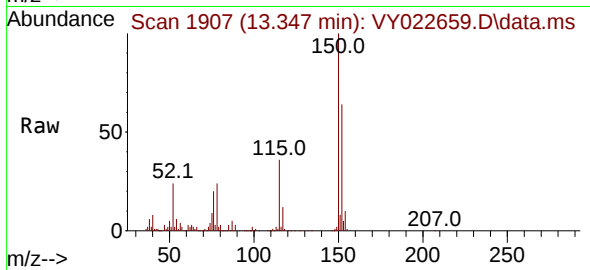
Tgt Ion:152 Resp: 94902

Ion Ratio Lower Upper

152 100

115 58.8 28.9 86.7

150 156.7 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 52.773 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022659.D

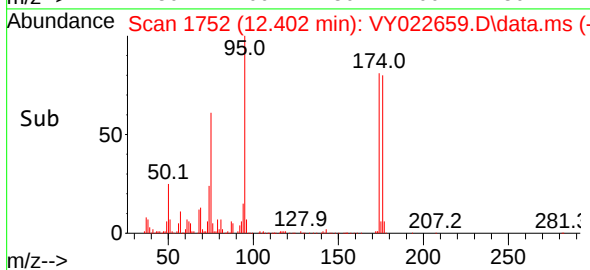
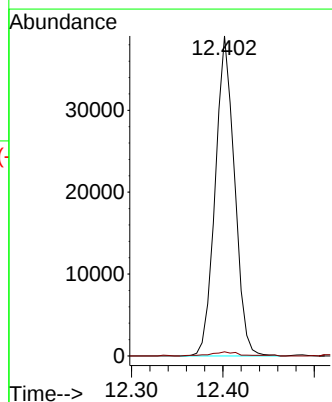
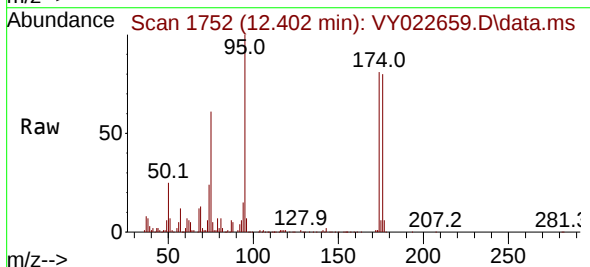
Acq: 11 Jun 2025 13:11

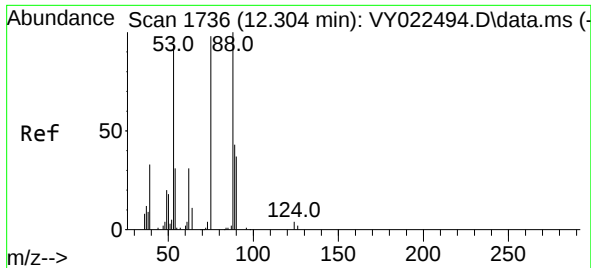
Tgt Ion: 75 Resp: 57296

Ion Ratio Lower Upper

75 100

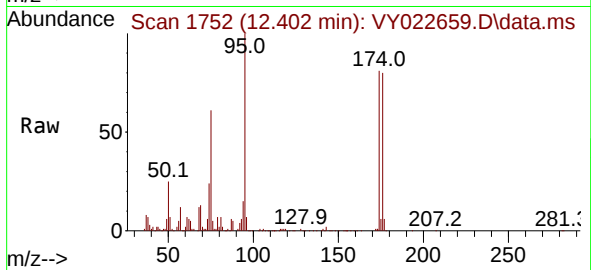
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.443 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022659.D
 Acq: 11 Jun 2025 13:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-210



Tgt Ion: 75 Resp: 57296
 Ion Ratio Lower Upper
 75 100
 53 1.6 78.5 117.7#
 89 0.0 35.7 53.5#

