

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022673.D
 Acq On : 12 Jun 2025 14:57
 Operator : SY/MD
 Sample : Q2296-15
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Quant Time: Jun 13 05:41:38 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)

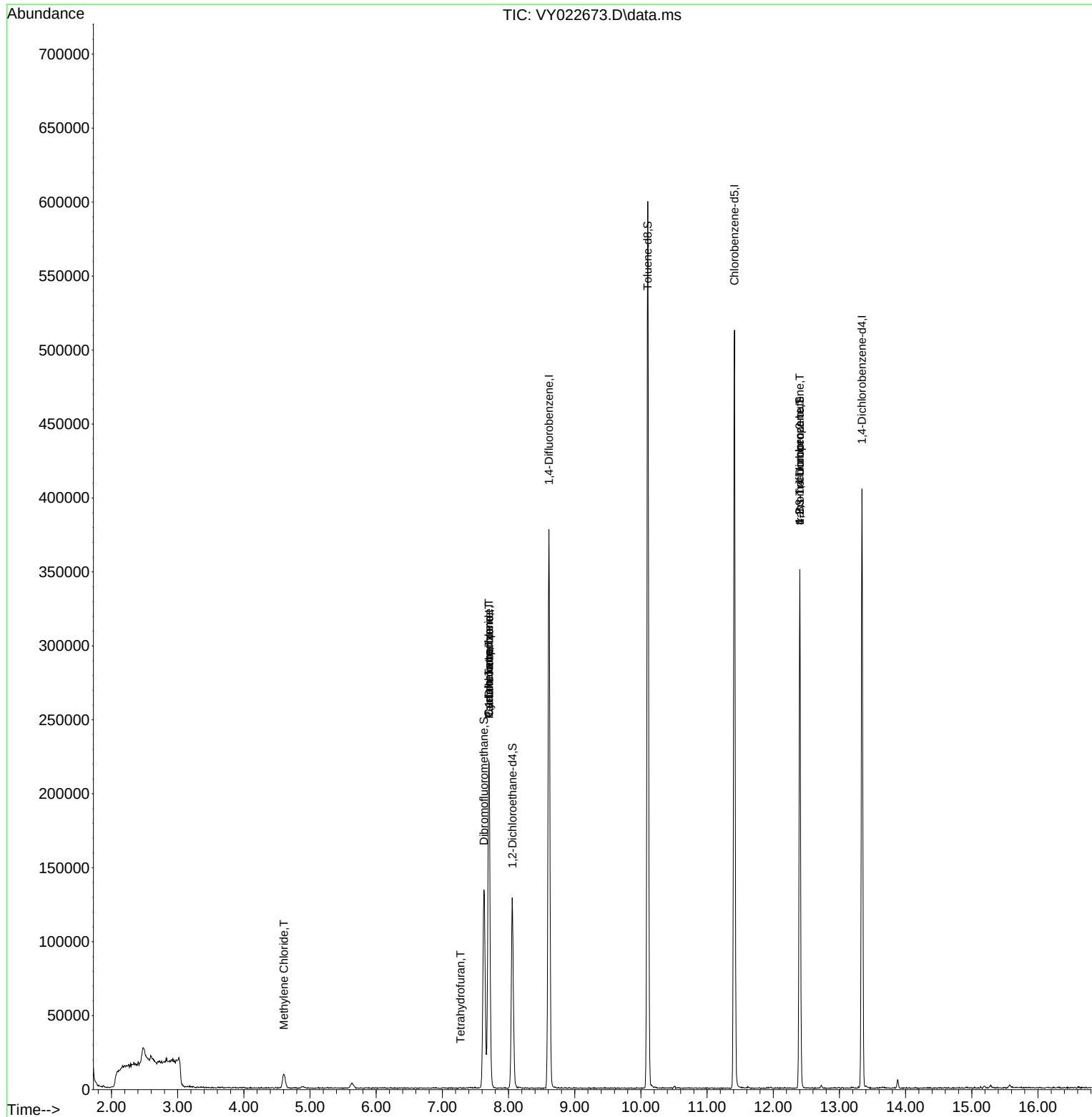
Internal Standards						
1) Pentafluorobenzene	7.707	168	169048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	308701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	251430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	92298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	91973	48.645	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.280%
35) Dibromofluoromethane	7.628	113	92569	50.239	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.480%
50) Toluene-d8	10.103	98	369113	49.577	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.160%
62) 4-Bromofluorobenzene	12.401	95	92807	41.837	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.680%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.604	84	6241	2.861	ug/l #	88
29) Tetrahydrofuran	7.274	42	415	1.162	ug/l #	36
31) Cyclohexane	7.701	56	4655	1.281	ug/l #	52
36) 1,1-Dichloropropene	7.701	75	15105	5.051	ug/l #	51
38) Carbon Tetrachloride	7.701	117	17117	5.580	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	55034	52.119	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	55034	125.865	ug/l #	11

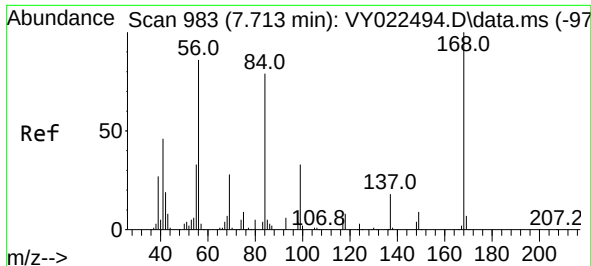
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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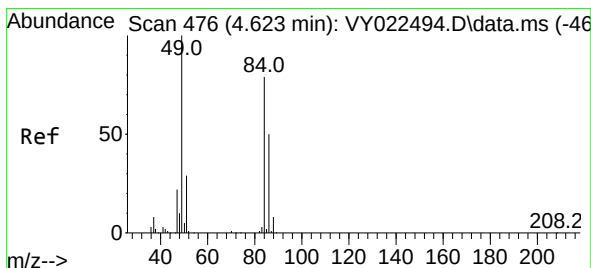
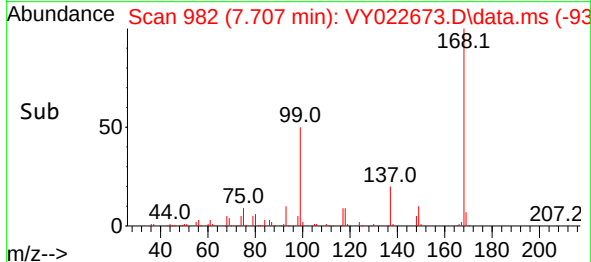
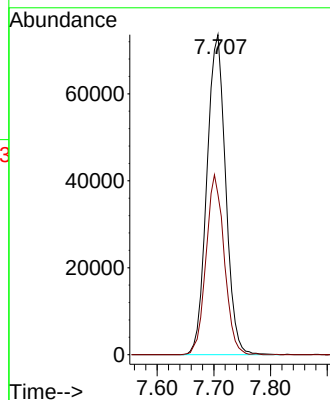
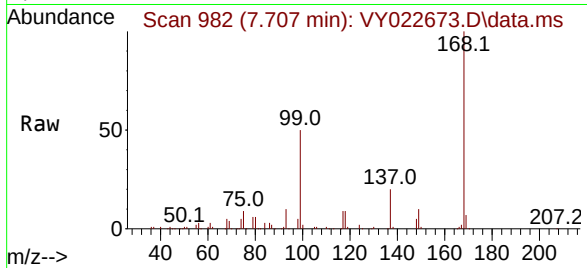




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022673.D
Acq: 12 Jun 2025 14:57

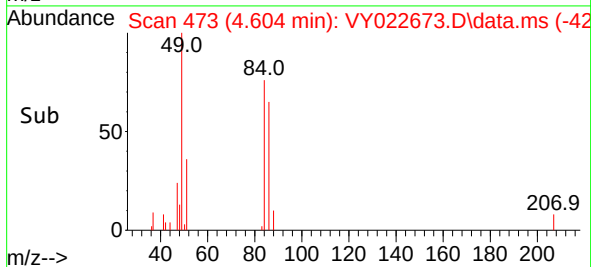
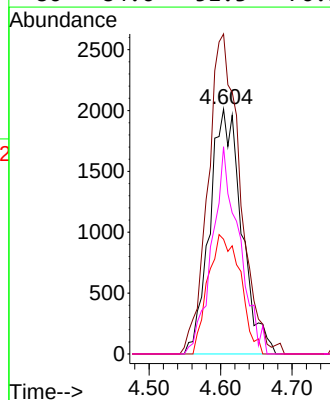
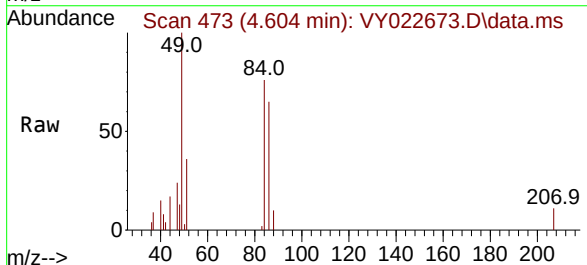
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

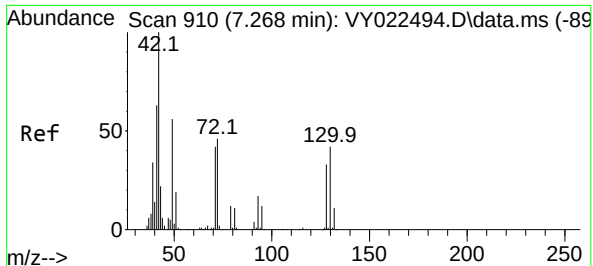
Tgt Ion:168 Resp: 169048
Ion Ratio Lower Upper
168 100
99 50.1 44.3 66.5



#20
Methylene Chloride
Concen: 2.861 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022673.D
Acq: 12 Jun 2025 14:57

Tgt Ion: 84 Resp: 6241
Ion Ratio Lower Upper
84 100
49 130.7 101.9 152.9
51 46.8 29.8 44.8#
86 84.6 51.3 76.9#





#29

Tetrahydrofuran

Concen: 1.162 ug/l

RT: 7.274 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022673.D

Acq: 12 Jun 2025 14:57

Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOC

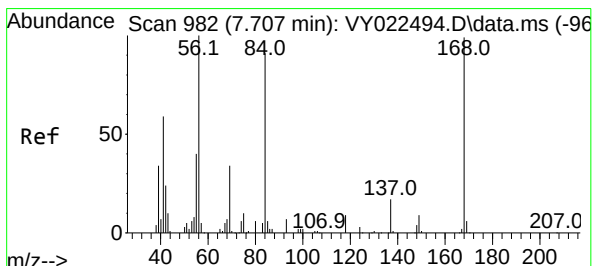
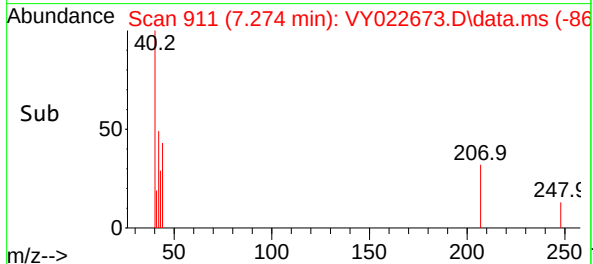
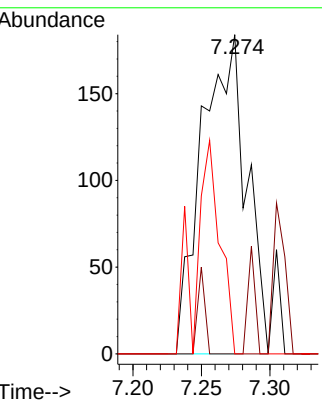
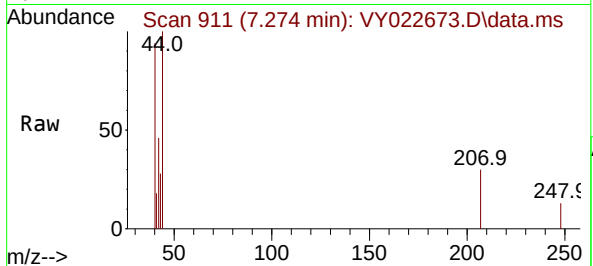
Tgt Ion: 42 Resp: 415

Ion Ratio Lower Upper

42 100

72 5.5 37.4 56.2#

71 0.0 34.2 51.2#



#31

Cyclohexane

Concen: 1.281 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022673.D

Acq: 12 Jun 2025 14:57

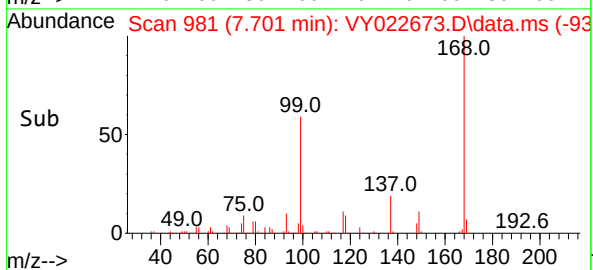
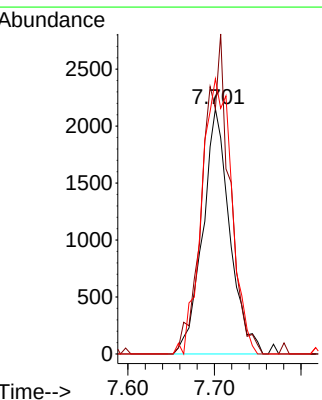
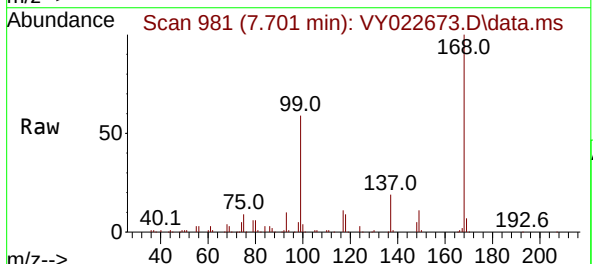
Tgt Ion: 56 Resp: 4655

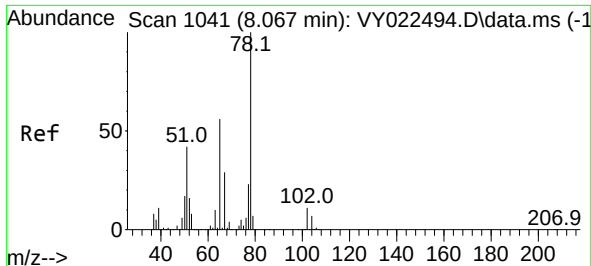
Ion Ratio Lower Upper

56 100

69 100.0 27.0 40.6#

84 112.3 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.645 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022673.D

Acq: 12 Jun 2025 14:57

Instrument :

MSVOA_Y

ClientSampleId :

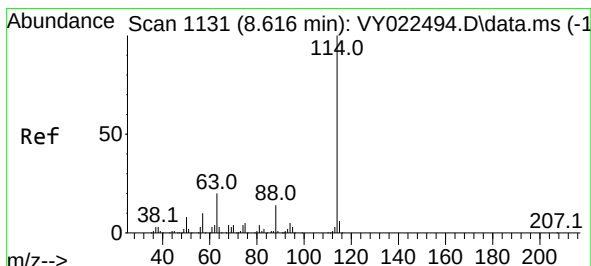
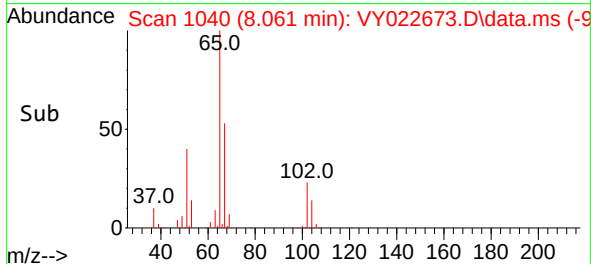
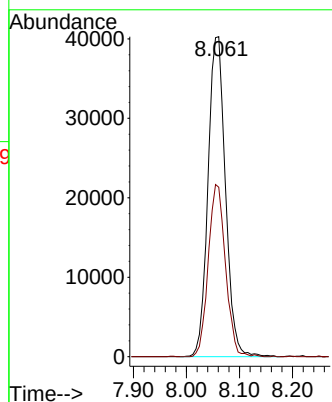
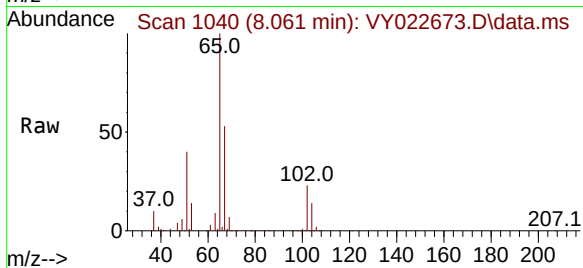
WC-4-VOC

Tgt Ion: 65 Resp: 91973

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022673.D

Acq: 12 Jun 2025 14:57

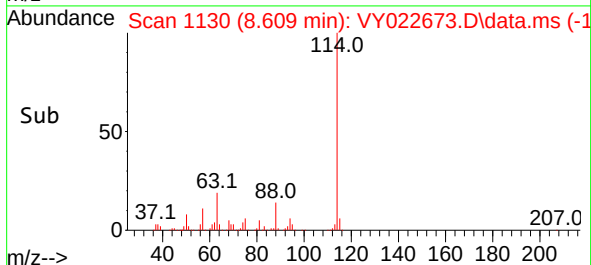
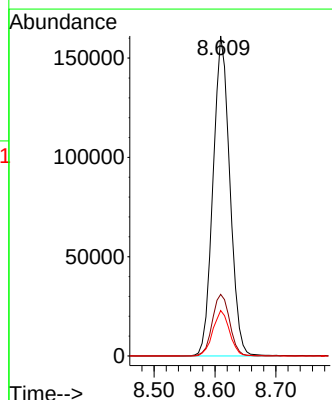
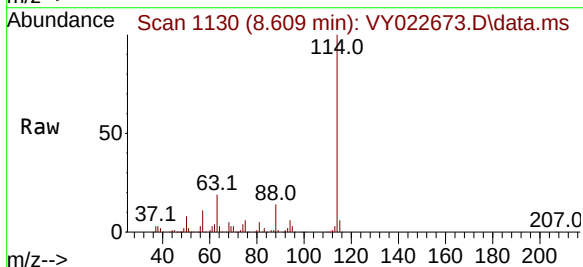
Tgt Ion: 114 Resp: 308701

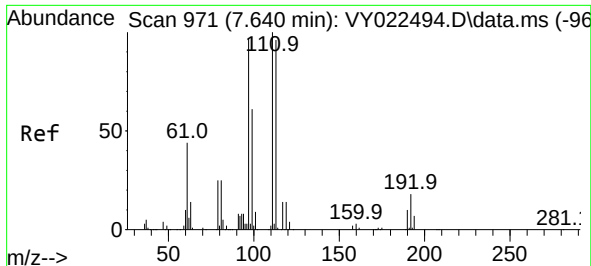
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

88 14.2 0.0 27.8

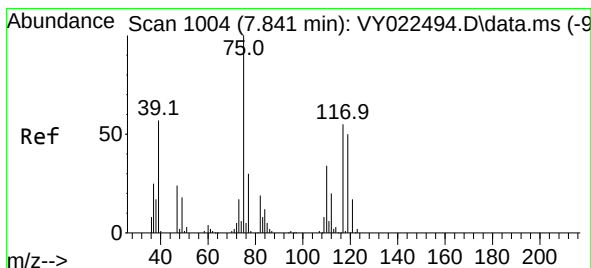
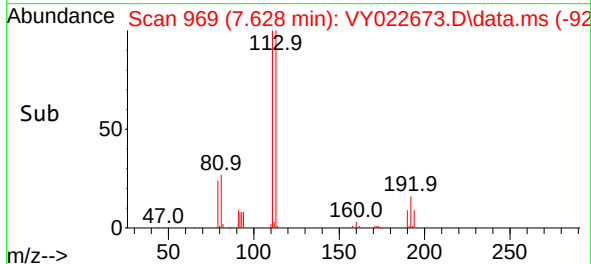
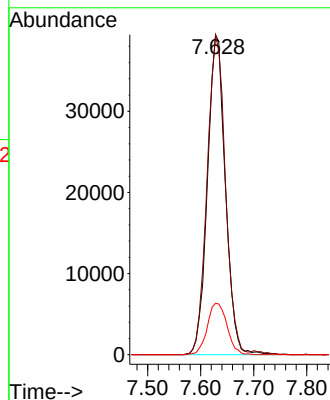
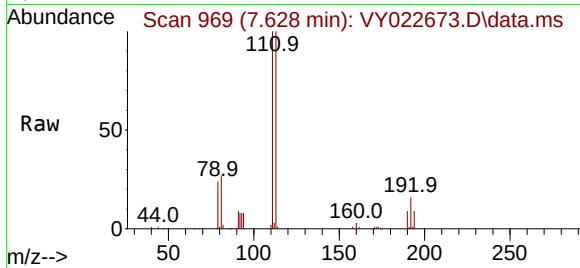




#35
Dibromofluoromethane
Concen: 50.239 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022673.D
Acq: 12 Jun 2025 14:57

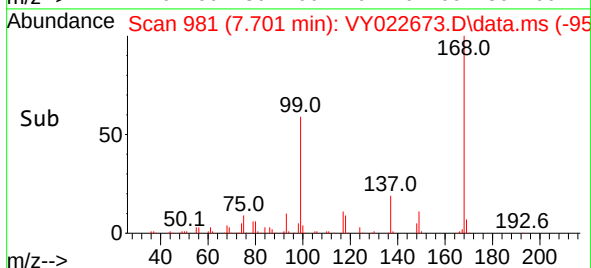
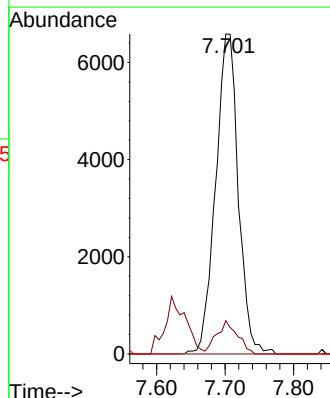
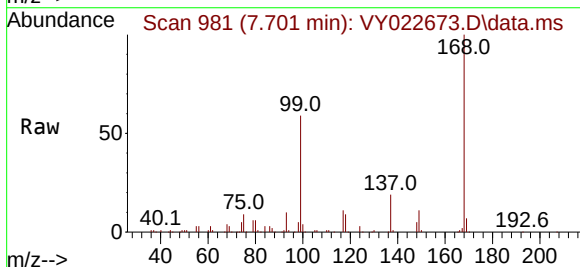
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

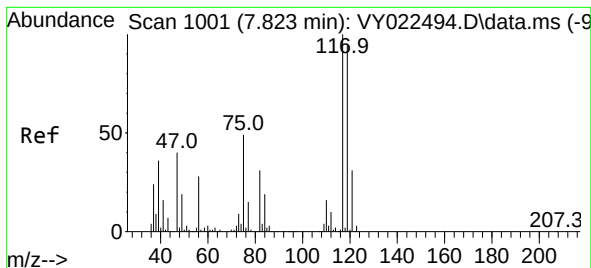
Tgt Ion:113 Resp: 92569
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 17.7 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.051 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022673.D
Acq: 12 Jun 2025 14:57

Tgt Ion: 75 Resp: 15105
Ion Ratio Lower Upper
75 100
110 9.5 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.580 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022673.D

Acq: 12 Jun 2025 14:57

Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOC

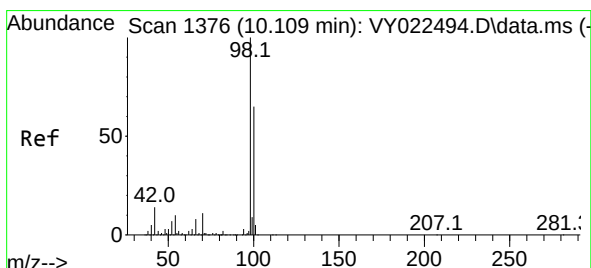
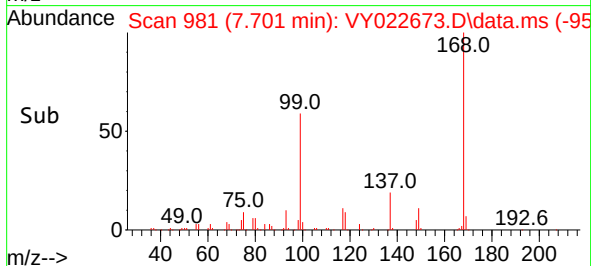
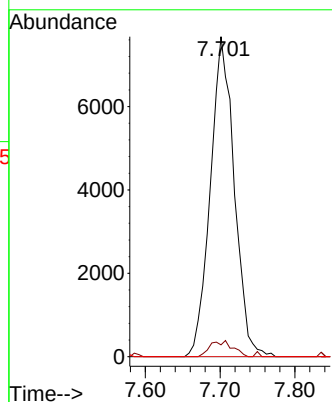
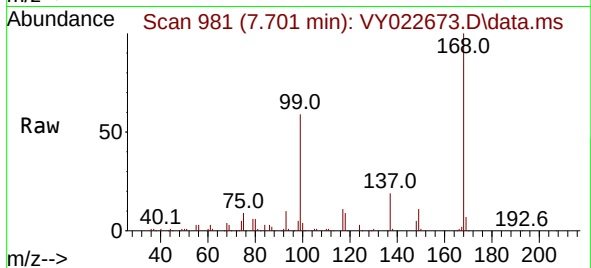
Tgt Ion:117 Resp: 17117

Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 49.577 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022673.D

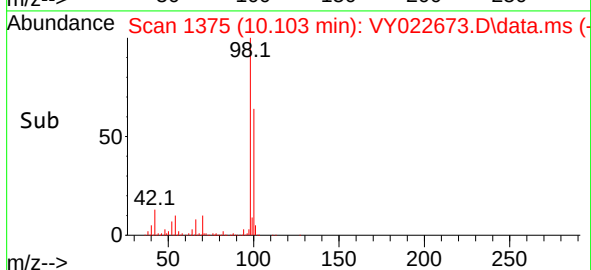
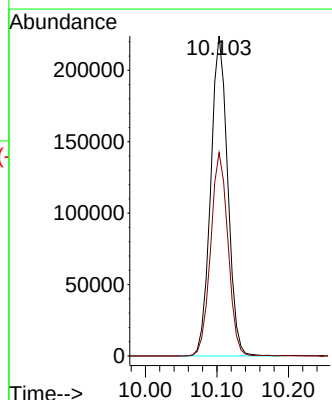
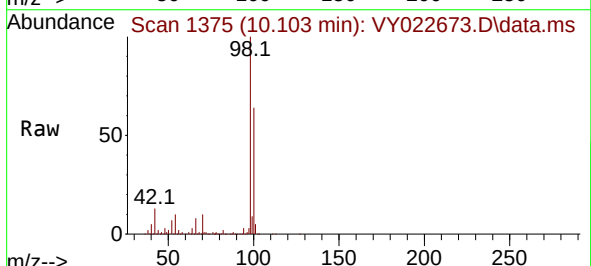
Acq: 12 Jun 2025 14:57

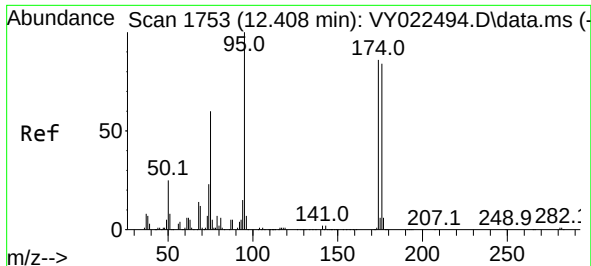
Tgt Ion: 98 Resp: 369113

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0

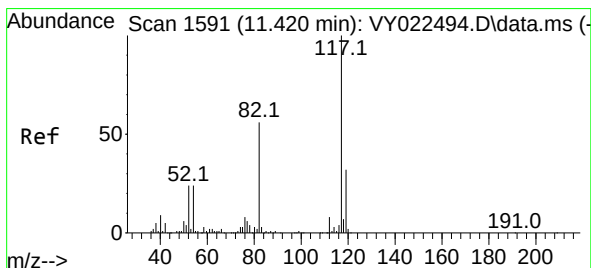
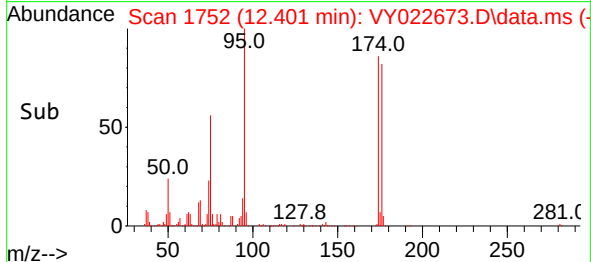
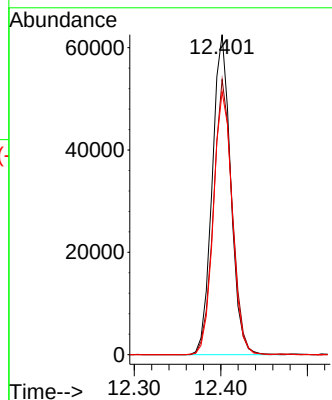
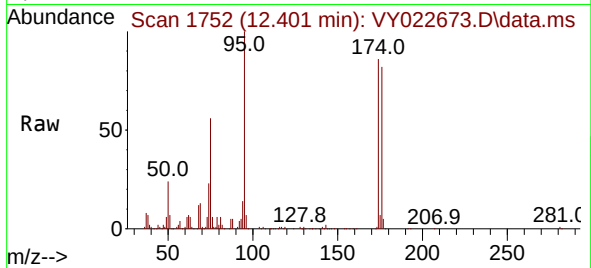




#62
4-Bromofluorobenzene
Concen: 41.837 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022673.D
Acq: 12 Jun 2025 14:57

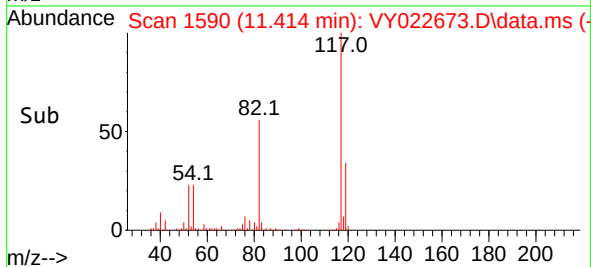
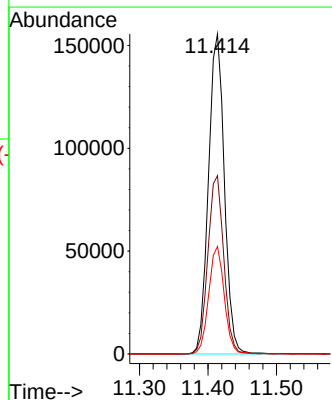
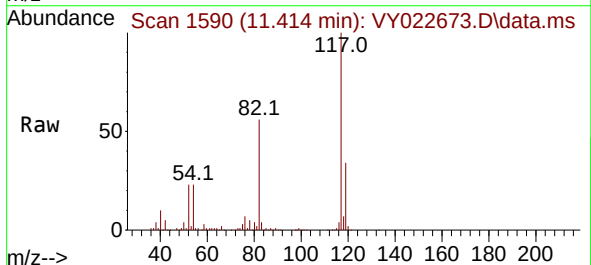
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

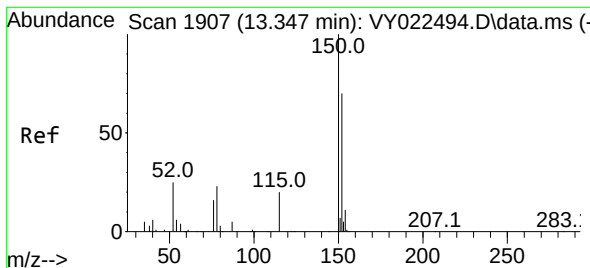
Tgt Ion: 95 Resp: 92807
Ion Ratio Lower Upper
95 100
174 87.1 0.0 170.0
176 83.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022673.D
Acq: 12 Jun 2025 14:57

Tgt Ion: 117 Resp: 251430
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 33.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY022673.D

Acq: 12 Jun 2025 14:57

Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOC

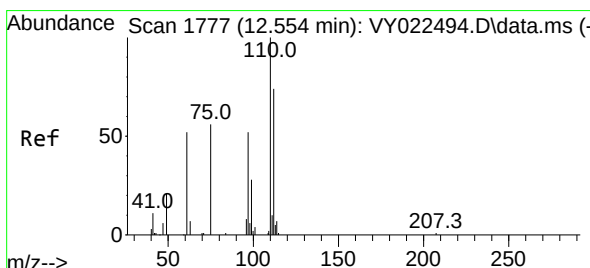
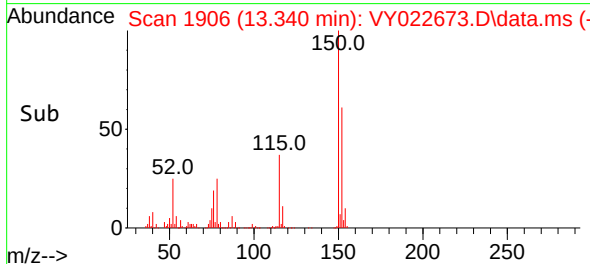
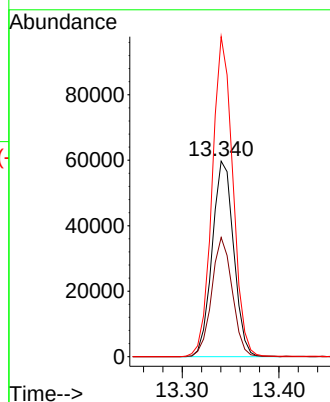
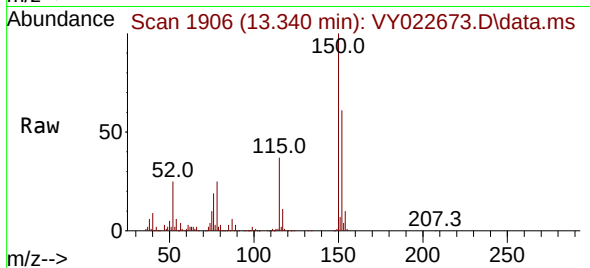
Tgt Ion:152 Resp: 92298

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

150 157.4 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 52.119 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022673.D

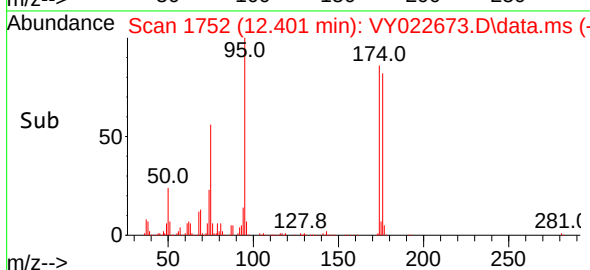
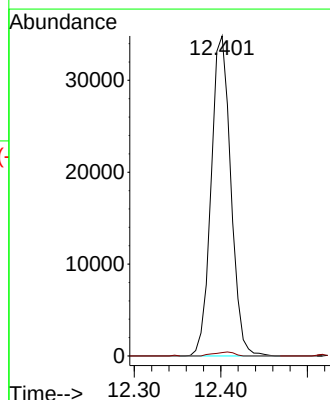
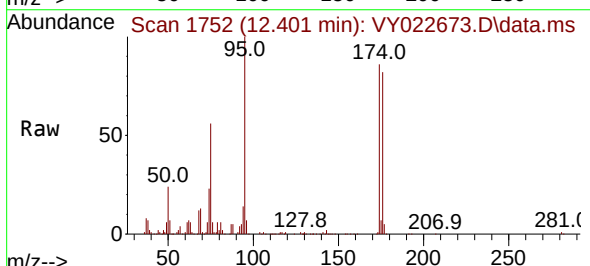
Acq: 12 Jun 2025 14:57

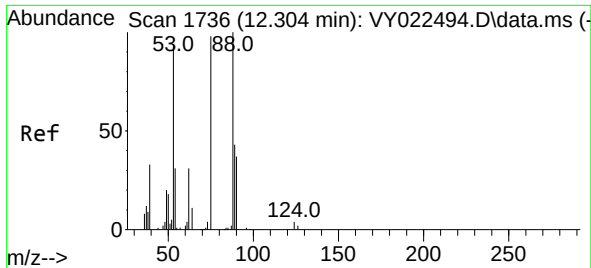
Tgt Ion: 75 Resp: 55034

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.865 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022673.D
 Acq: 12 Jun 2025 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Tgt Ion: 75 Resp: 55034
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.1 35.7 53.5#

