

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023024.D
 Acq On : 21 Jul 2025 14:13
 Operator : SY/MD
 Sample : Q2649-03
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

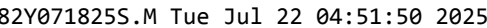
Quant Time: Jul 22 04:51:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

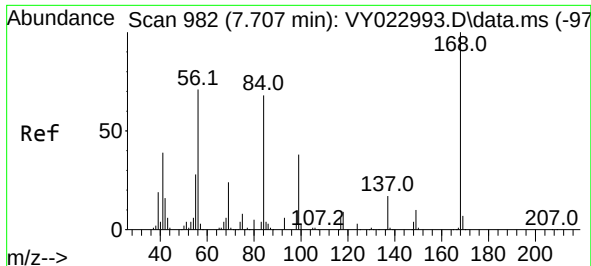
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	274483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	523962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	538368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	249831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171604	61.757	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.520%	
35) Dibromofluoromethane	7.634	113	172196	51.809	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.620%	
50) Toluene-d8	10.103	98	650525	49.355	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.720%	
62) 4-Bromofluorobenzene	12.402	95	237532	57.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.500%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	17404	Below Cal		96
31) Cyclohexane	7.701	56	6572	1.188	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	23791	4.544	ug/l #	50
38) Carbon Tetrachloride	7.707	117	27918	4.908	ug/l #	17
49) 1,4-Dioxane	9.250	88	27	1.346	ug/l #	31
51) 4-Methyl-2-Pentanone	10.097	43	3022	1.542	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	132877	42.683	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	132877	127.131	ug/l #	12

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

Quant Time: Jul 22 04:51:37 2025
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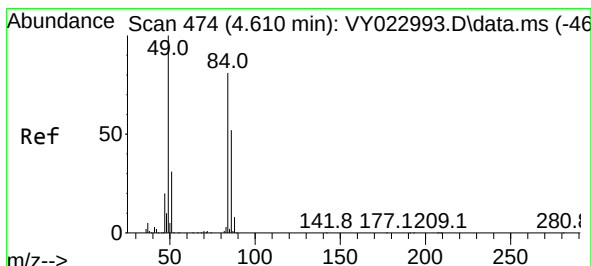
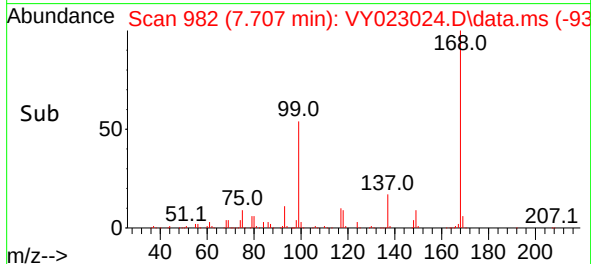
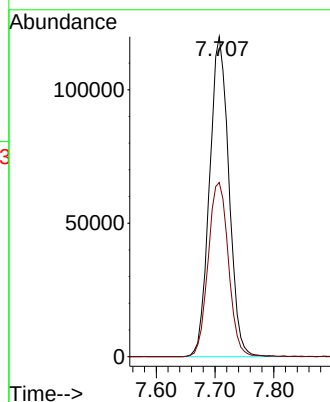
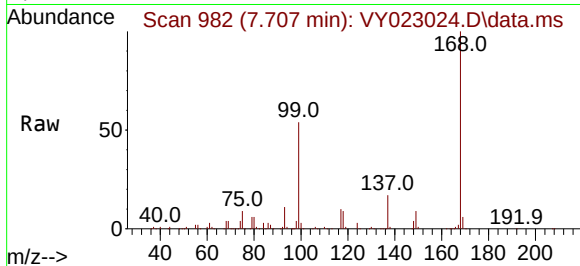




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023024.D
Acq: 21 Jul 2025 14:13

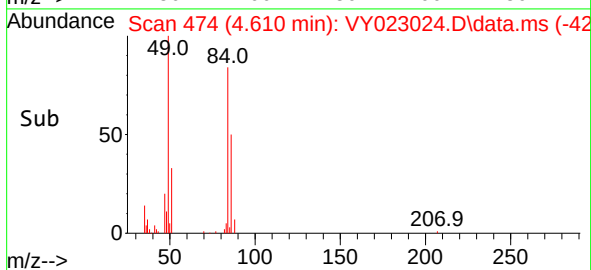
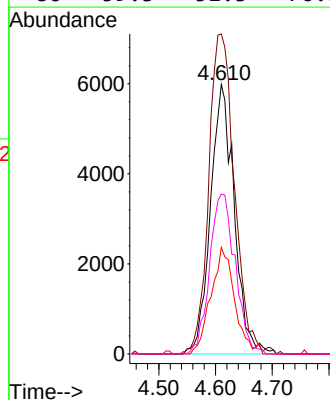
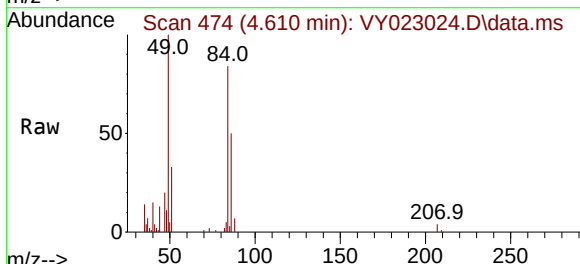
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

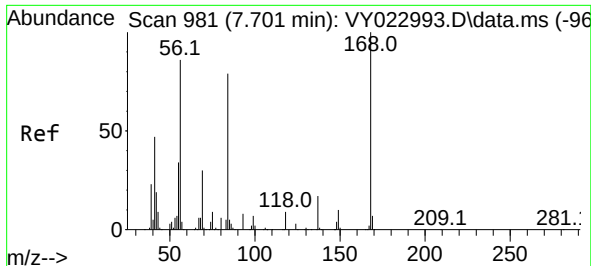
Tgt Ion:168 Resp: 274483
Ion Ratio Lower Upper
168 100
99 54.4 44.4 66.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY023024.D
Acq: 21 Jul 2025 14:13

Tgt Ion: 84 Resp: 17404
Ion Ratio Lower Upper
84 100
49 118.8 98.2 147.4
51 39.5 30.5 45.7
86 59.3 51.3 76.9

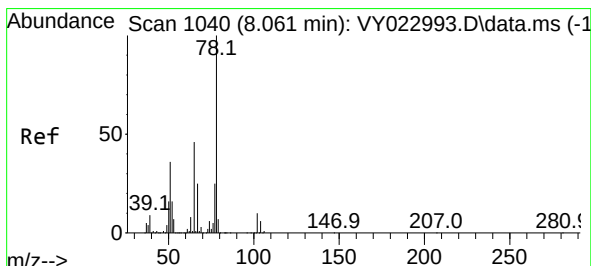
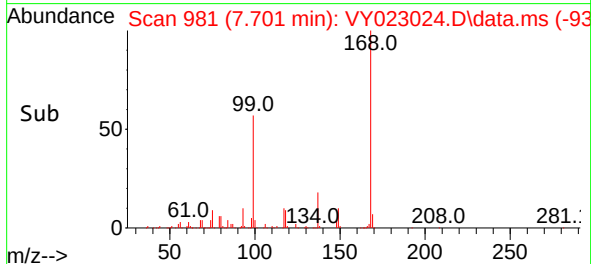
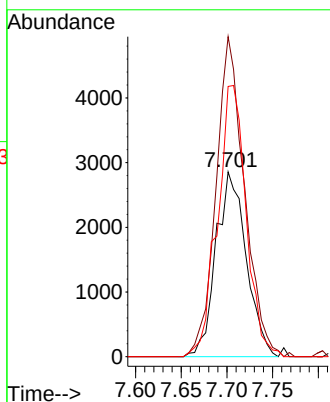
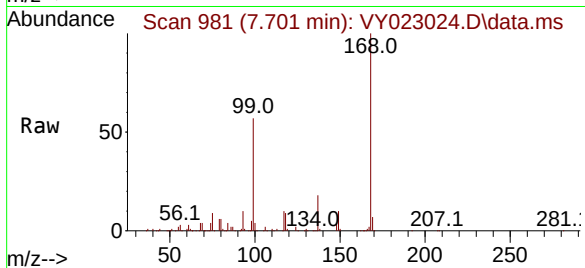




#31
Cyclohexane
Concen: 1.188 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY023024.D
Acq: 21 Jul 2025 14:13

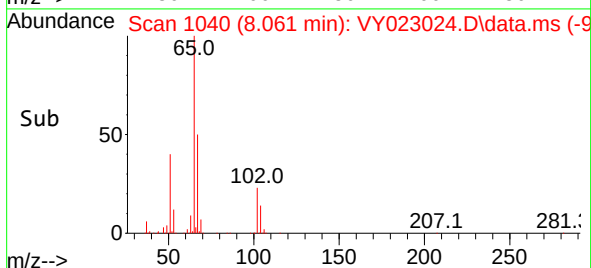
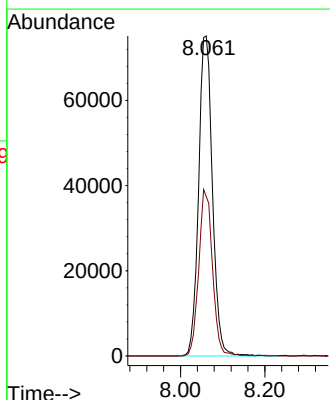
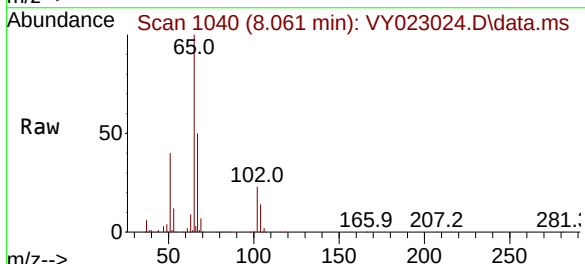
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

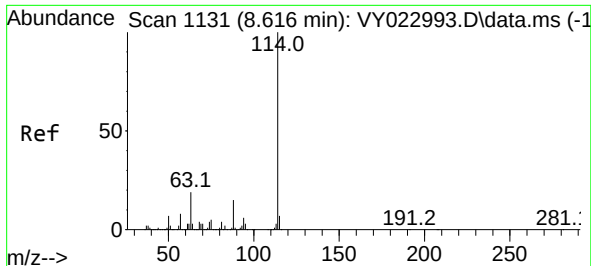
Tgt Ion: 56 Resp: 6572
Ion Ratio Lower Upper
56 100
69 173.2 28.1 42.1#
84 146.3 73.5 110.3#



#33
1,2-Dichloroethane-d4
Concen: 61.757 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023024.D
Acq: 21 Jul 2025 14:13

Tgt Ion: 65 Resp: 171604
Ion Ratio Lower Upper
65 100
67 51.5 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023024.D

Acq: 21 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

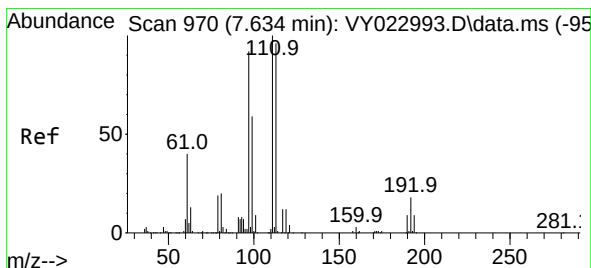
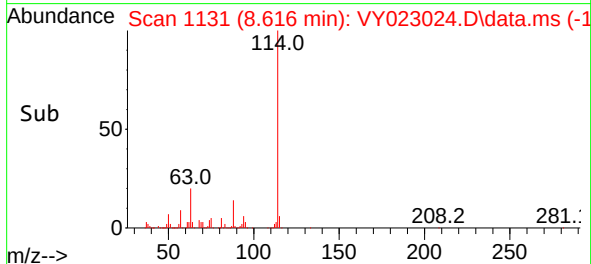
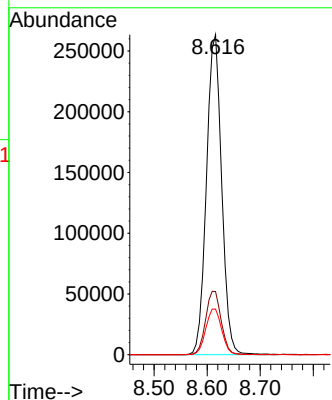
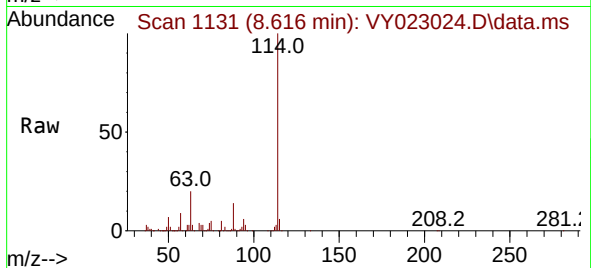
Tgt Ion:114 Resp: 523962

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.8

88 14.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.809 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023024.D

Acq: 21 Jul 2025 14:13

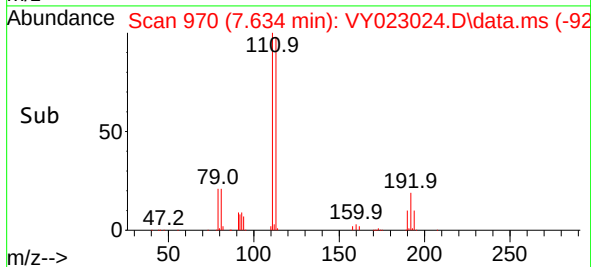
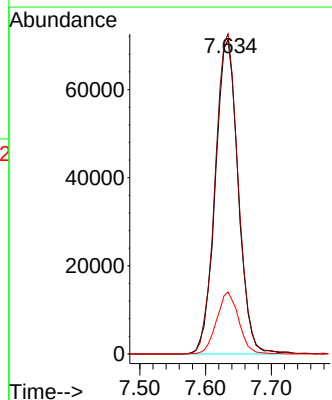
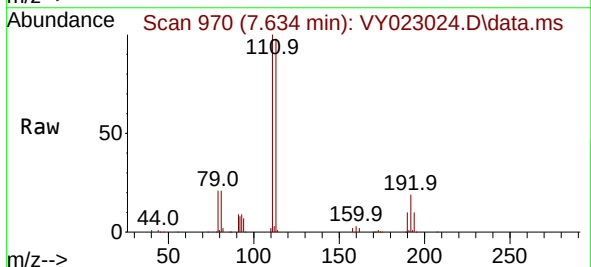
Tgt Ion:113 Resp: 172196

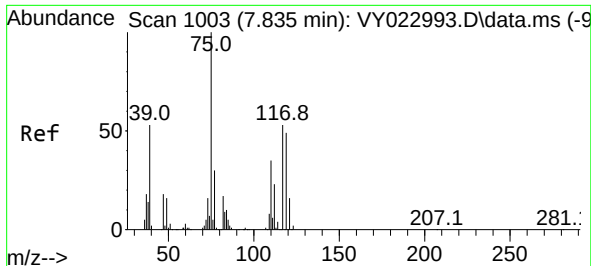
Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

192 19.1 15.3 22.9





#36

1,1-Dichloropropene

Concen: 4.544 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023024.D

Acq: 21 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

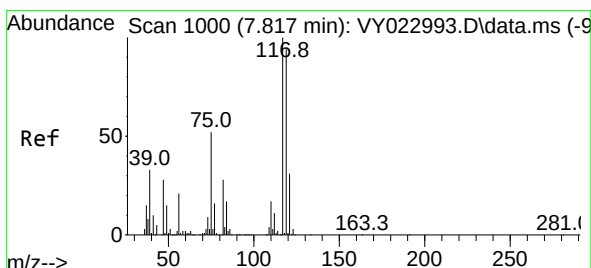
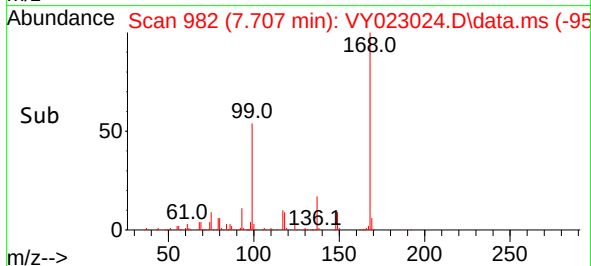
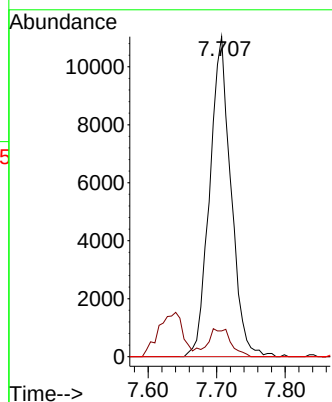
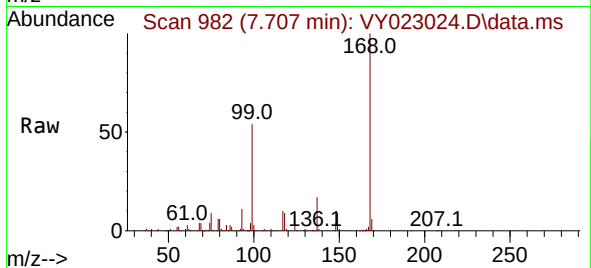
Tgt Ion: 75 Resp: 23791

Ion Ratio Lower Upper

75 100

110 8.9 17.3 51.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.908 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023024.D

Acq: 21 Jul 2025 14:13

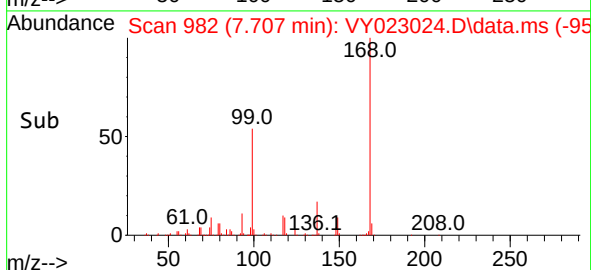
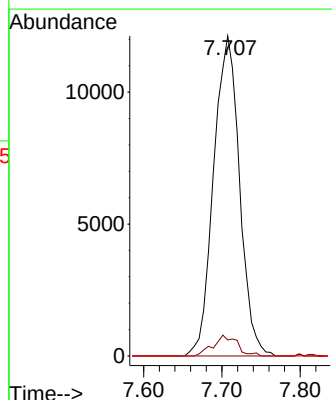
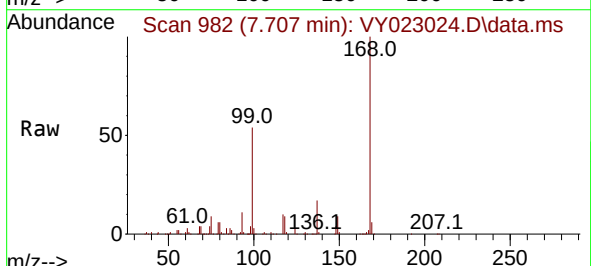
Tgt Ion: 117 Resp: 27918

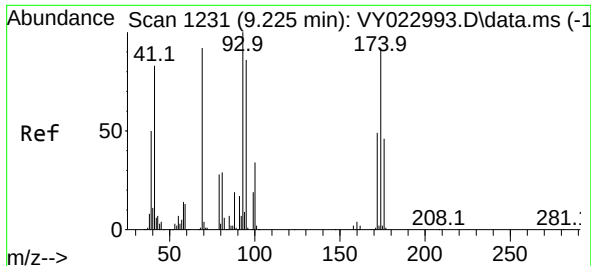
Ion Ratio Lower Upper

117 100

119 5.0 74.9 112.3#

121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 1.346 ug/l

RT: 9.250 min Scan# 11

Delta R.T. 0.024 min

Lab File: VY023024.D

Acq: 21 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

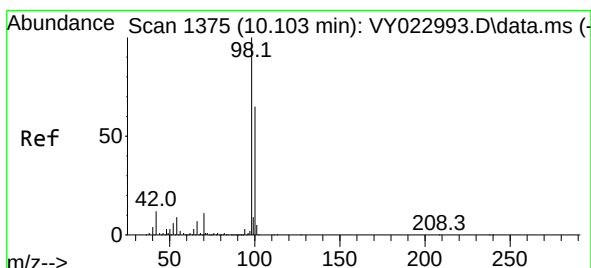
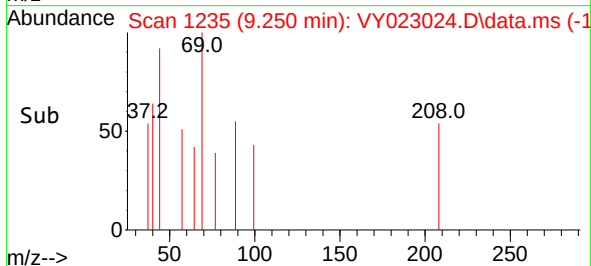
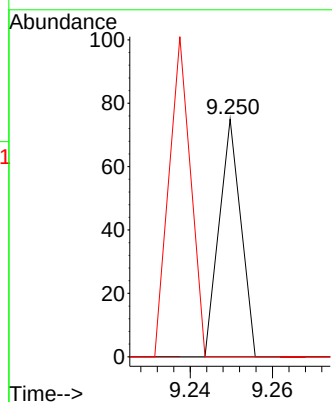
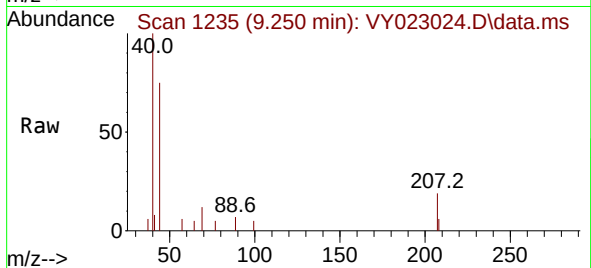
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 28.7 43.1#

58 137.0 59.8 89.6#



#50

Toluene-d8

Concen: 49.355 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023024.D

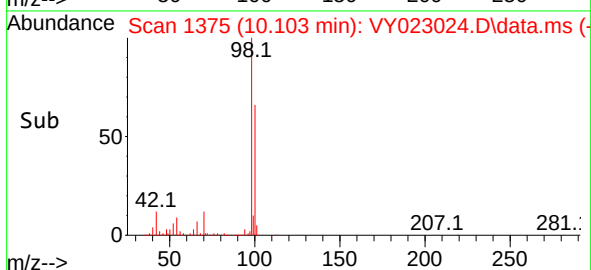
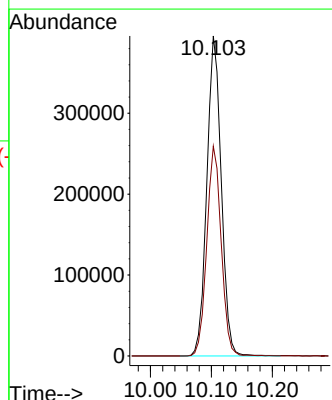
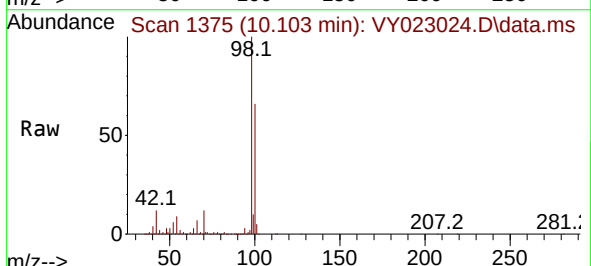
Acq: 21 Jul 2025 14:13

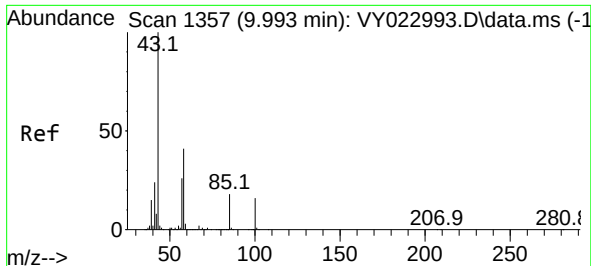
Tgt Ion: 98 Resp: 650525

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.542 ug/l

RT: 10.097 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY023024.D

Acq: 21 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

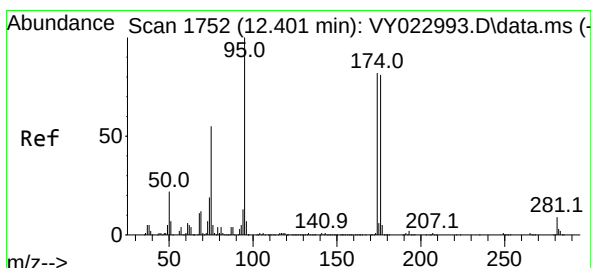
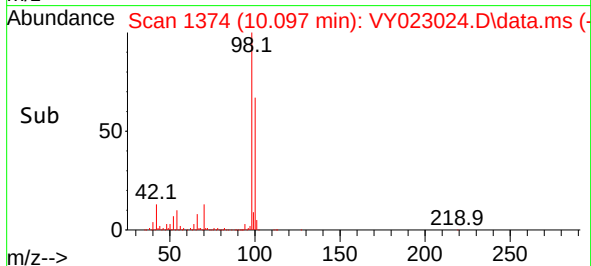
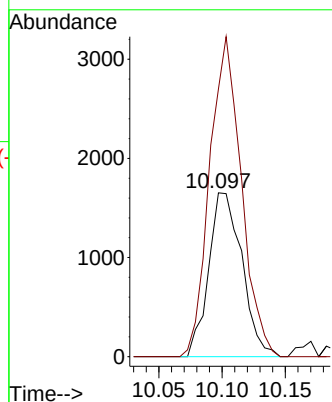
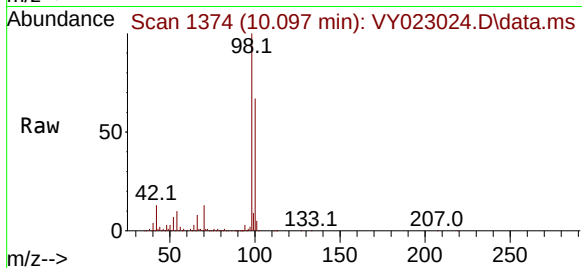
WC-1-VOC

Tgt Ion: 43 Resp: 3022

Ion Ratio Lower Upper

43 100

58 186.4 32.5 48.7#



#62

4-Bromofluorobenzene

Concen: 57.250 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023024.D

Acq: 21 Jul 2025 14:13

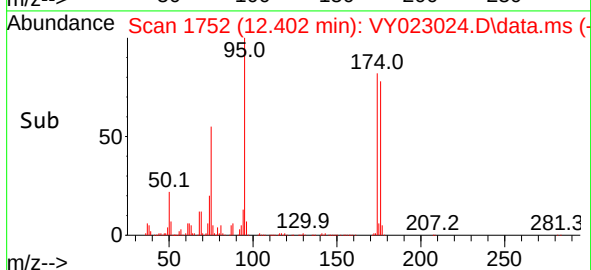
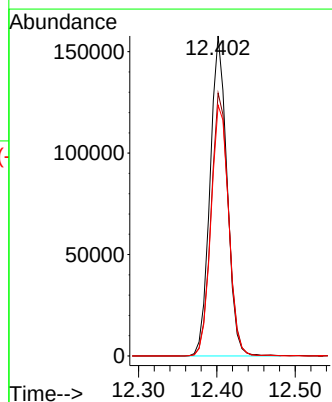
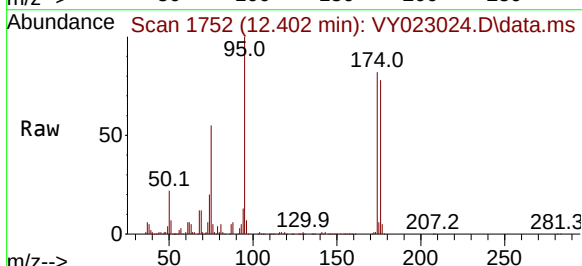
Tgt Ion: 95 Resp: 237532

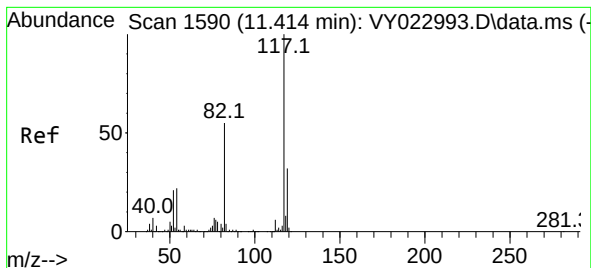
Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.8

176 81.7 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023024.D

Acq: 21 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

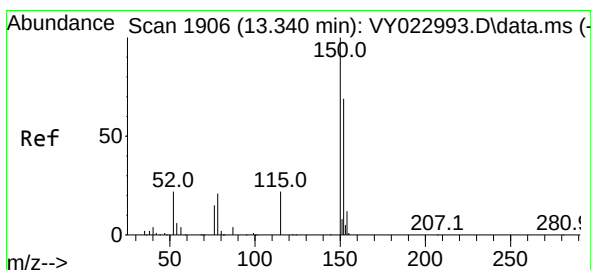
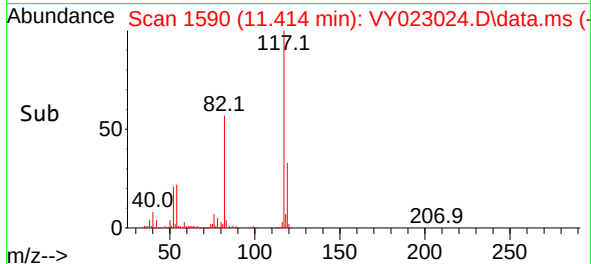
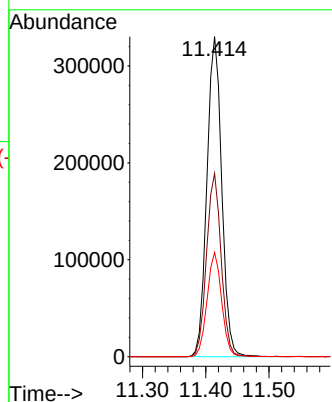
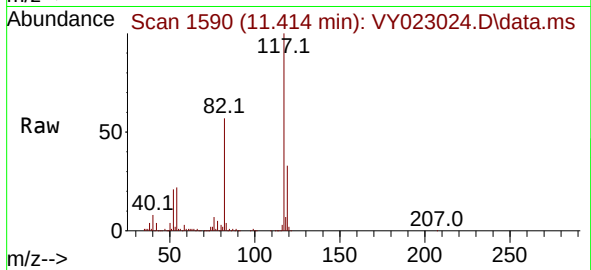
Tgt Ion:117 Resp: 538368

Ion Ratio Lower Upper

117 100

82 57.3 44.3 66.5

119 32.6 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023024.D

Acq: 21 Jul 2025 14:13

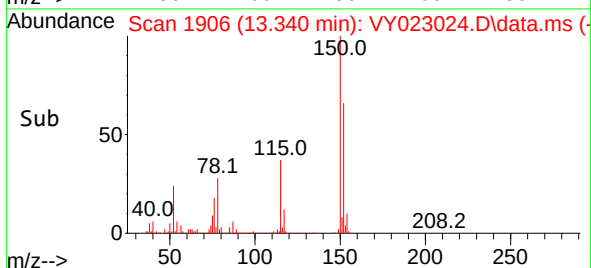
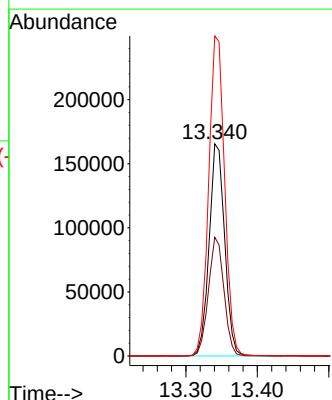
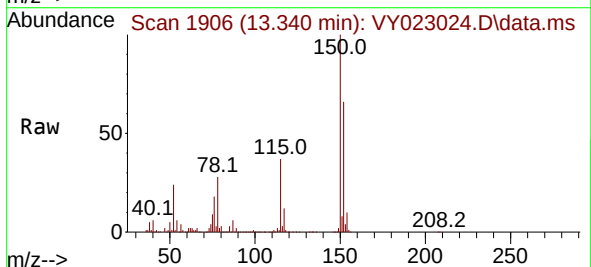
Tgt Ion:152 Resp: 249831

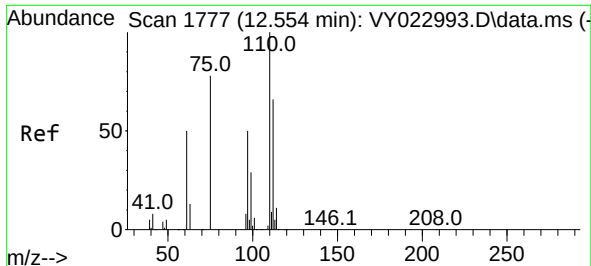
Ion Ratio Lower Upper

152 100

115 56.1 29.4 88.2

150 154.6 0.0 350.0

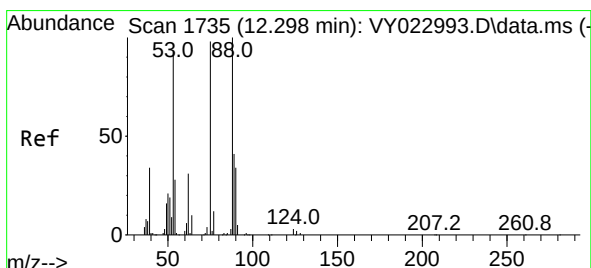
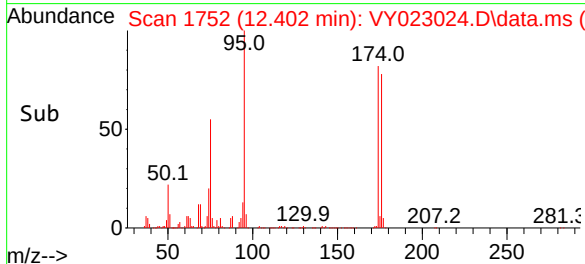
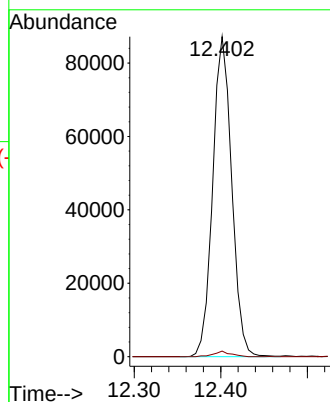
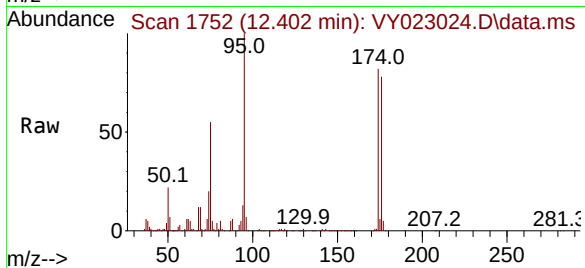




#76
1,2,3-Trichloropropane
Concen: 42.683 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY023024.D
Acq: 21 Jul 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

Tgt Ion: 75 Resp: 132877
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.131 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023024.D
Acq: 21 Jul 2025 14:13

Tgt Ion: 75 Resp: 132877
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 0.1 36.1 54.1#

