

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021632.D
 Acq On : 25 Mar 2025 13:49
 Operator : SY/MD
 Sample : Q1636-03
 Misc : 4.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Mar 26 01:36:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

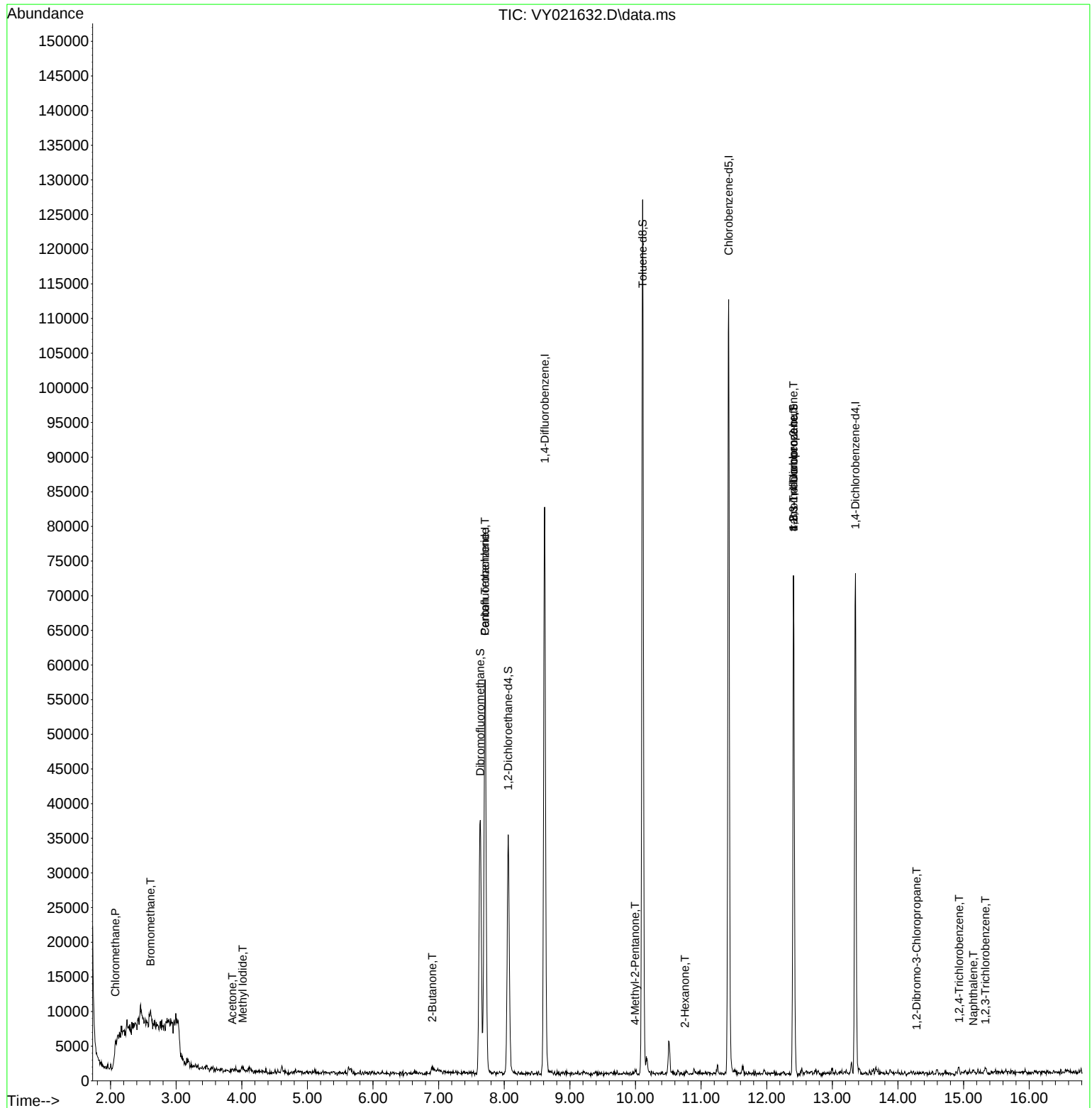
Internal Standards						
1) Pentafluorobenzene	7.707	168	42364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	68429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	58410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	18824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	26826	59.911	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.820%	
35) Dibromofluoromethane	7.634	113	26557	59.043	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.080%	
50) Toluene-d8	10.109	98	80291	47.145	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.300%	
62) 4-Bromofluorobenzene	12.407	95	20147	34.777	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 69.560%	
Target Compounds						
						Qvalue
3) Chloromethane	2.074	50	770	1.405	ug/l #	71
5) Bromomethane	2.610	94	1200	2.772	ug/l #	79
10) Methyl Iodide	4.013	142	1401	2.888	ug/l #	58
11) Tert butyl alcohol	4.866	59	114	Below Cal	#	76
16) Acetone	3.854	43	572	5.857	ug/l #	86
25) 2-Butanone	6.902	43	222	1.643	ug/l #	48
38) Carbon Tetrachloride	7.707	117	4526	5.589	ug/l #	12
51) 4-Methyl-2-Pentanone	9.993	43	341	1.094	ug/l	95
59) 2-Hexanone	10.755	43	312	1.514	ug/l #	24
76) 1,2,3-Trichloropropane	12.407	75	11406	60.131	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	11406	136.696	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.285	75	40	1.020	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.931	180	428	1.324	ug/l #	75
95) Naphthalene	15.151	128	601	2.626	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.334	180	319	1.173	ug/l	81

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

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Response via : Initial Calibration

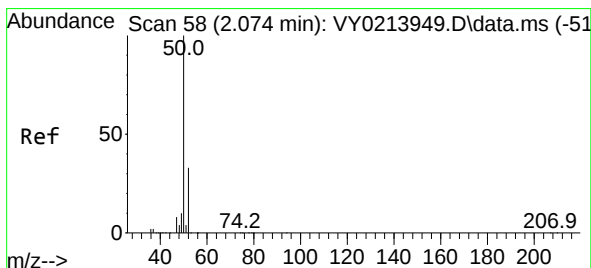
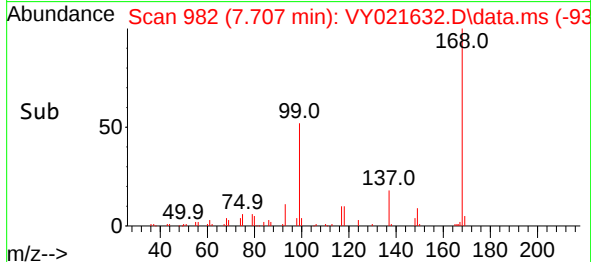
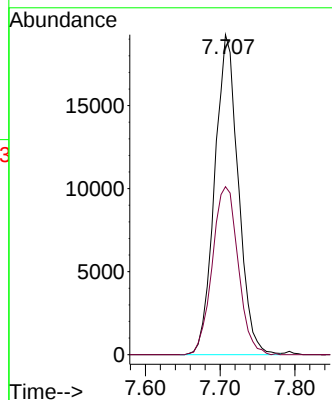
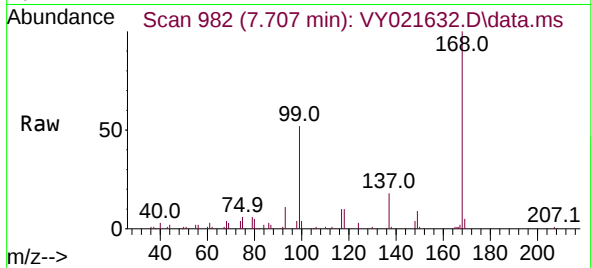




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021632.D
Acq: 25 Mar 2025 13:49

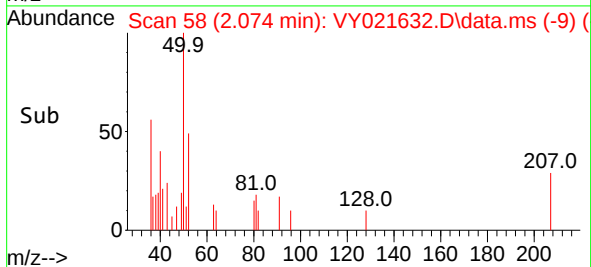
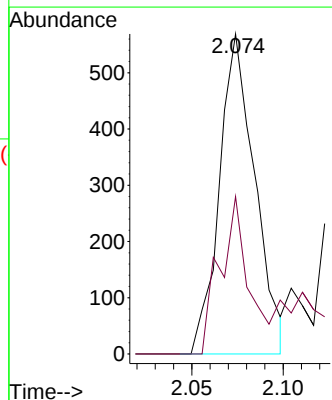
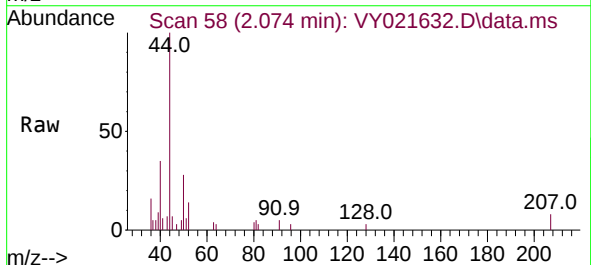
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

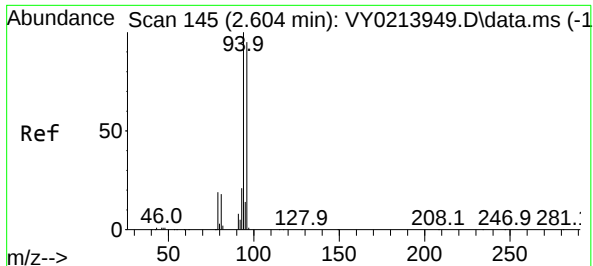
Tgt Ion:168 Resp: 42364
Ion Ratio Lower Upper
168 100
99 52.5 46.0 69.0



#3
Chloromethane
Concen: 1.405 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY021632.D
Acq: 25 Mar 2025 13:49

Tgt Ion: 50 Resp: 770
Ion Ratio Lower Upper
50 100
52 49.2 26.2 39.2#

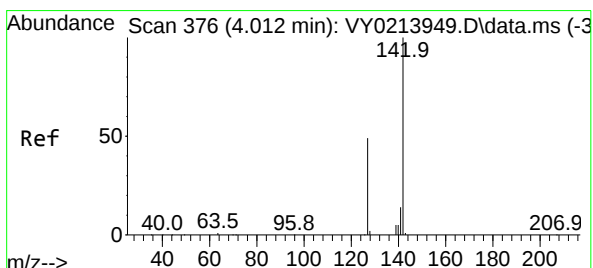
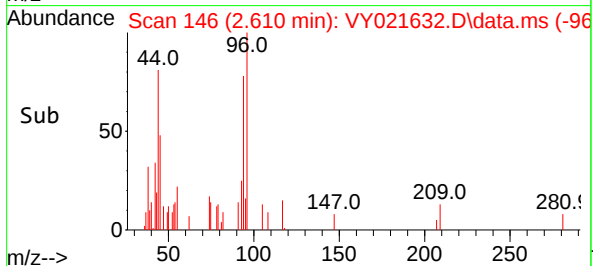
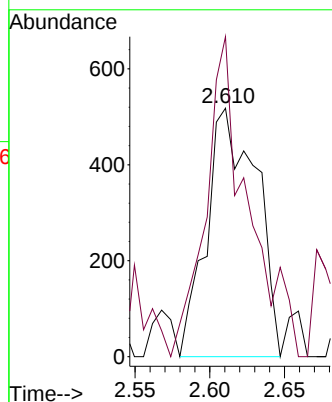
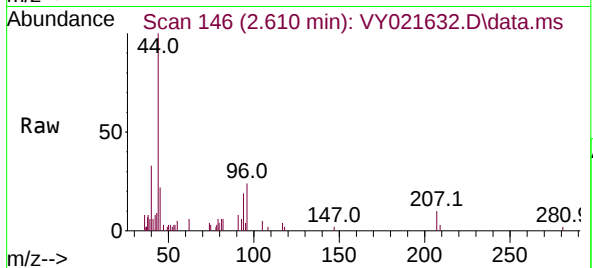




#5
Bromomethane
Concen: 2.772 ug/l
RT: 2.610 min Scan# 145
Delta R.T. 0.006 min
Lab File: VY021632.D
Acq: 25 Mar 2025 13:49

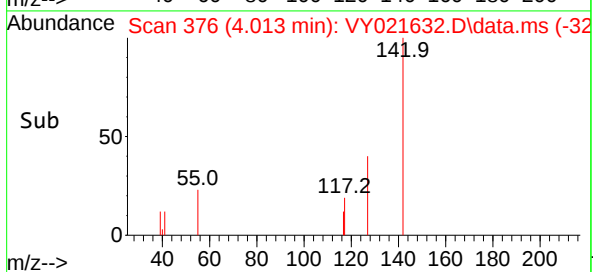
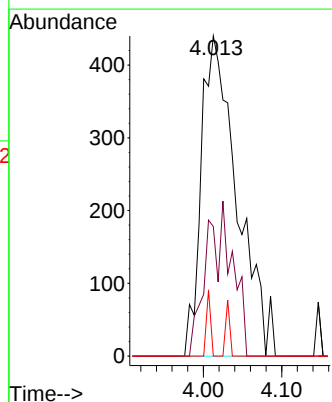
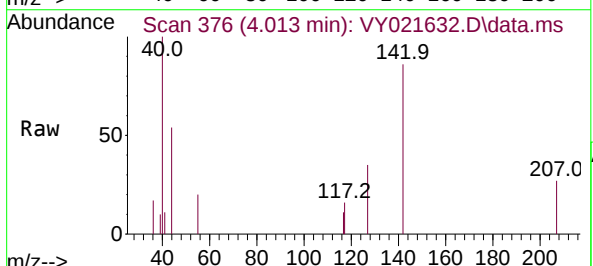
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

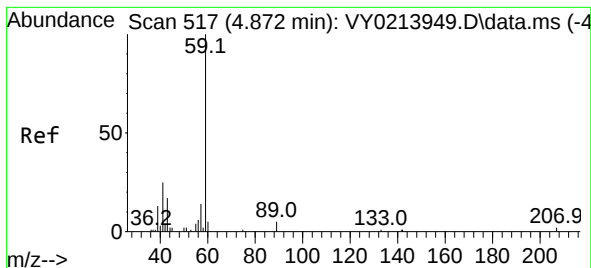
Tgt Ion: 94 Resp: 1200
Ion Ratio Lower Upper
94 100
96 115.4 76.3 114.5#



#10
Methyl Iodide
Concen: 2.888 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021632.D
Acq: 25 Mar 2025 13:49

Tgt Ion: 142 Resp: 1401
Ion Ratio Lower Upper
142 100
127 17.7 39.1 58.7#
141 2.4 11.8 17.6#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.866 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021632.D

Acq: 25 Mar 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

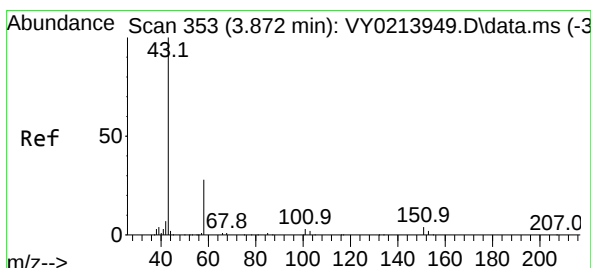
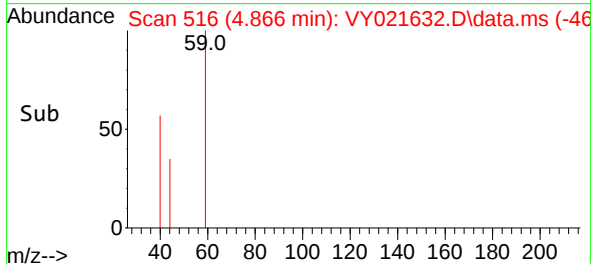
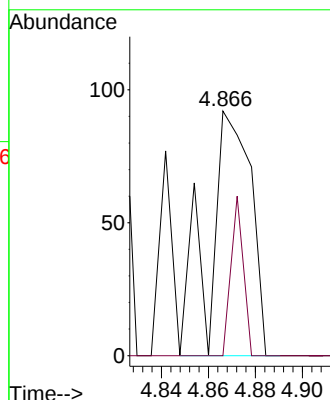
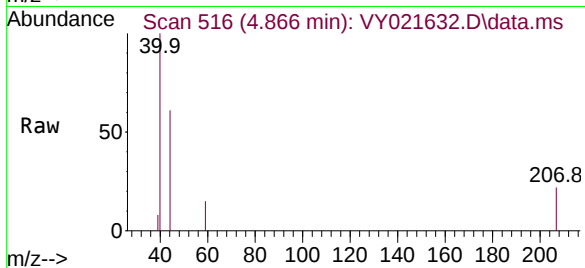
WC-1-VOC

Tgt Ion: 59 Resp: 114

Ion Ratio Lower Upper

59 100

57 19.3 8.2 12.4#



#16

Acetone

Concen: 5.857 ug/l

RT: 3.854 min Scan# 350

Delta R.T. -0.018 min

Lab File: VY021632.D

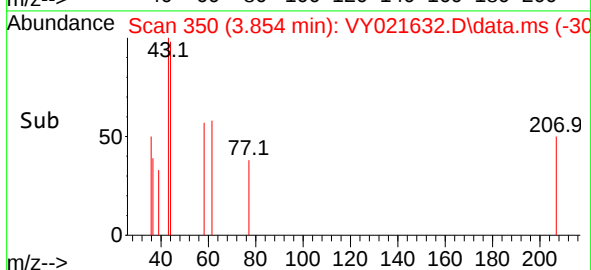
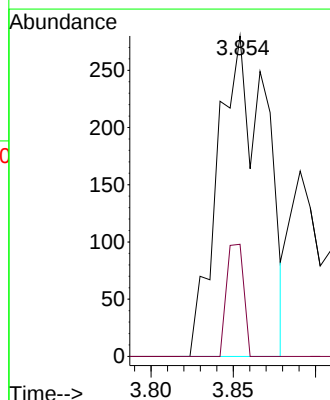
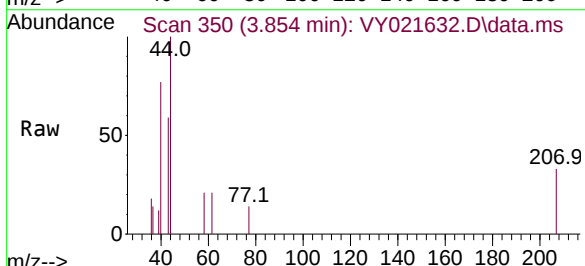
Acq: 25 Mar 2025 13:49

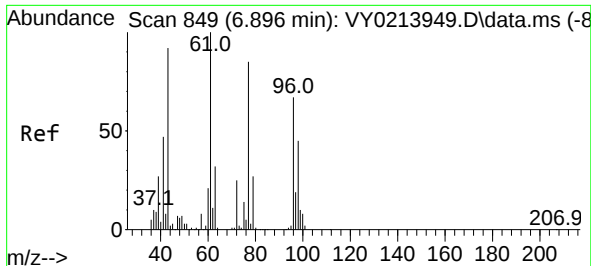
Tgt Ion: 43 Resp: 572

Ion Ratio Lower Upper

43 100

58 35.0 22.1 33.1#

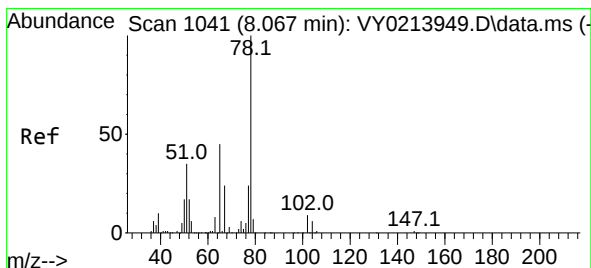
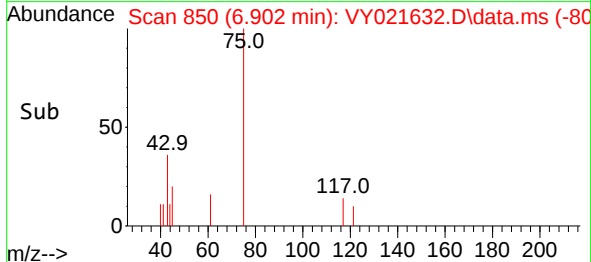
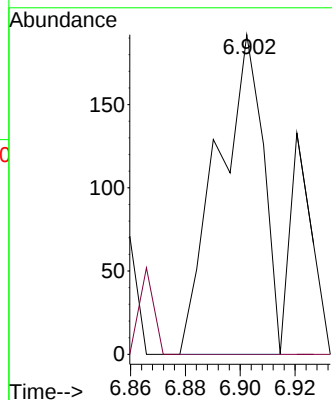
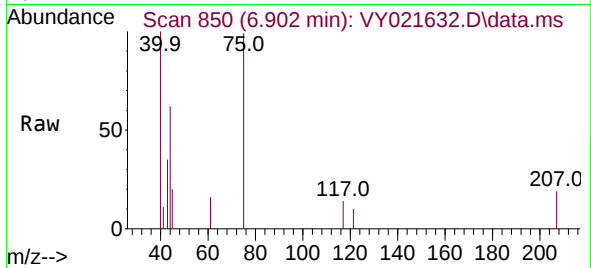




#25
2-Butanone
Concen: 1.643 ug/l
RT: 6.902 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021632.D
Acq: 25 Mar 2025 13:49

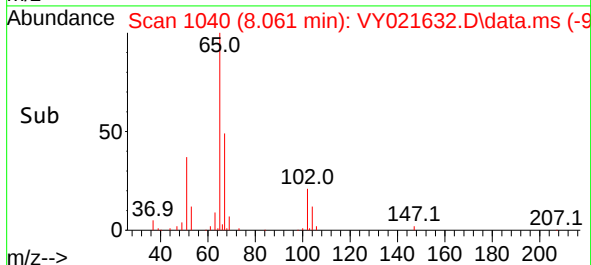
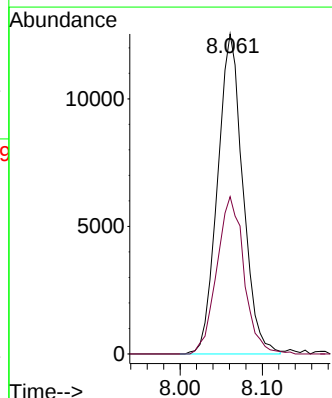
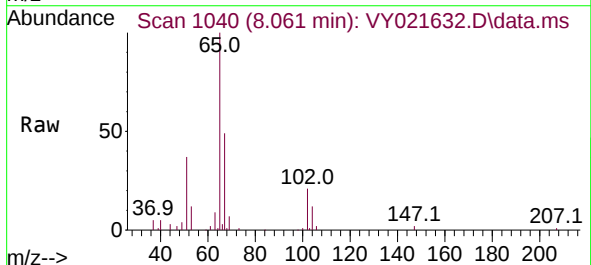
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

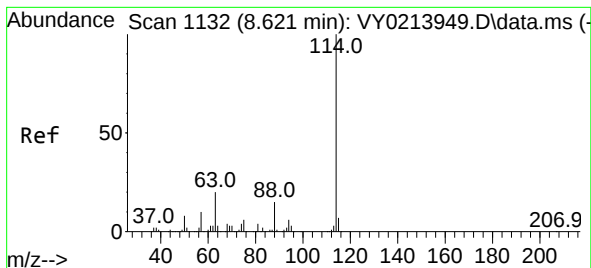
Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#33
1,2-Dichloroethane-d4
Concen: 59.911 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021632.D
Acq: 25 Mar 2025 13:49

Tgt Ion: 65 Resp: 26826
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021632.D

Acq: 25 Mar 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

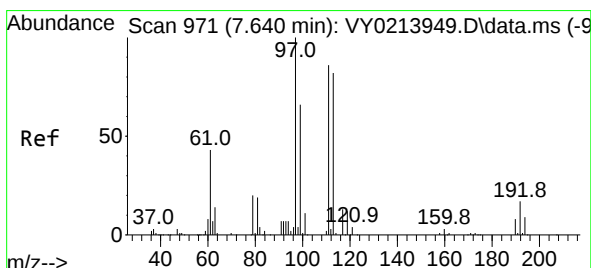
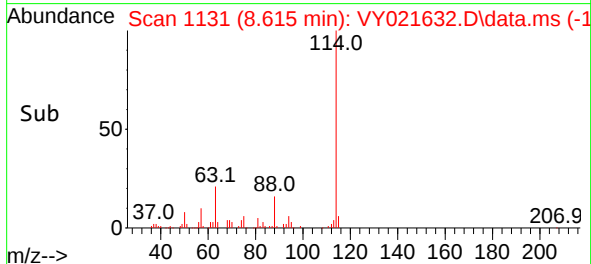
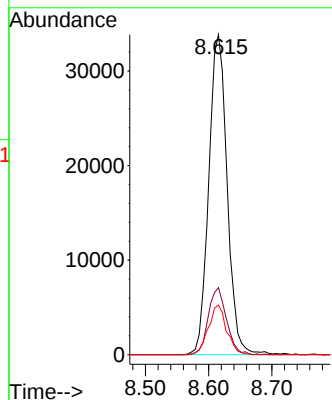
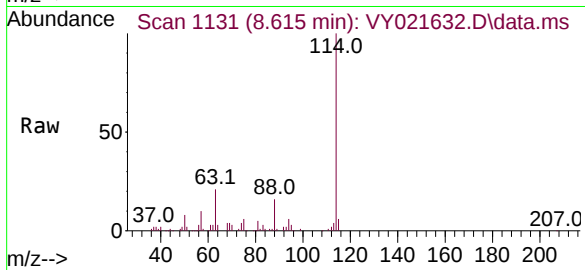
Tgt Ion:114 Resp: 68429

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 15.5 0.0 30.8



#35

Dibromofluoromethane

Concen: 59.043 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021632.D

Acq: 25 Mar 2025 13:49

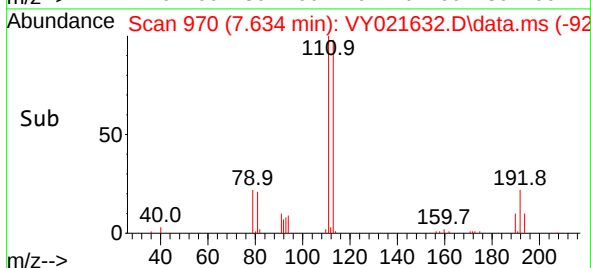
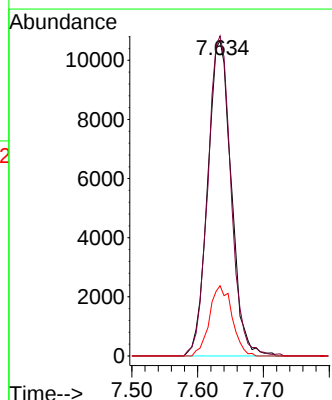
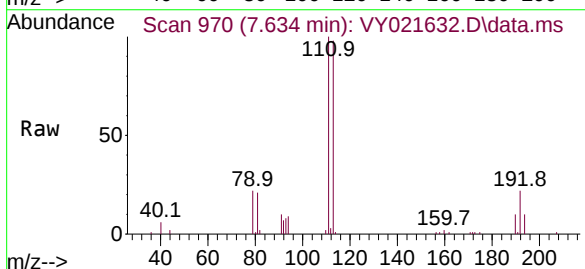
Tgt Ion:113 Resp: 26557

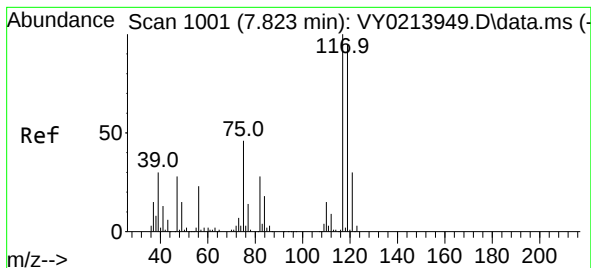
Ion Ratio Lower Upper

113 100

111 99.7 82.0 123.0

192 21.4 15.9 23.9





#38

Carbon Tetrachloride

Concen: 5.589 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY021632.D

Acq: 25 Mar 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

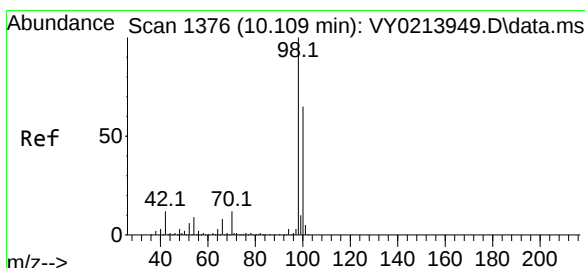
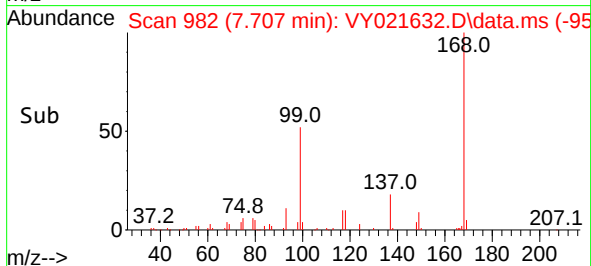
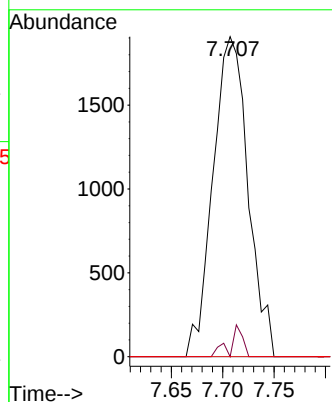
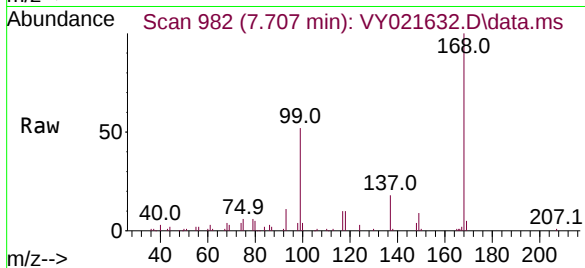
Tgt Ion:117 Resp: 4526

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 47.145 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021632.D

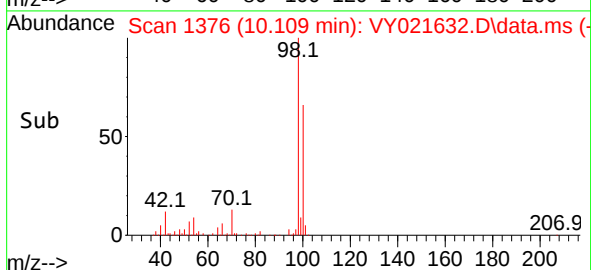
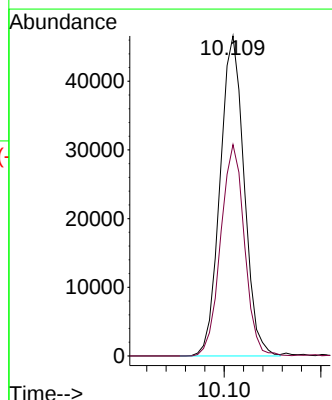
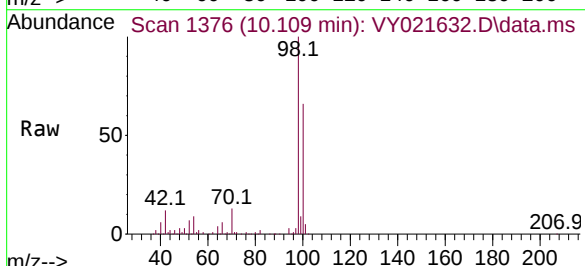
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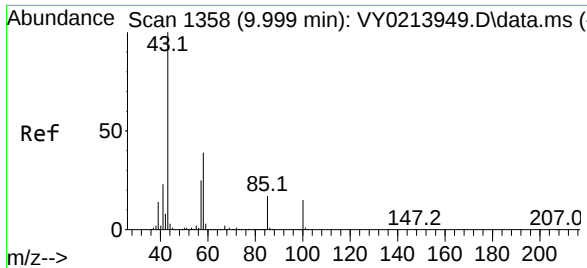
Tgt Ion: 98 Resp: 80291

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1

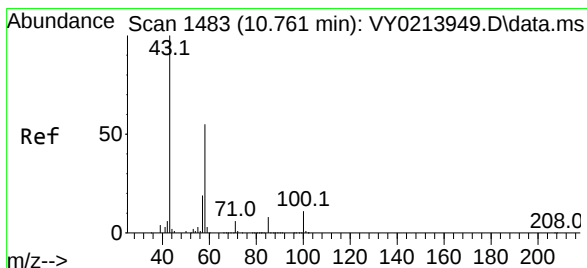
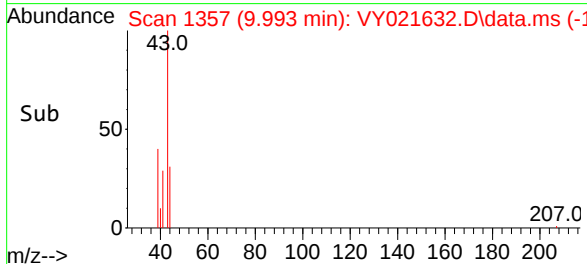
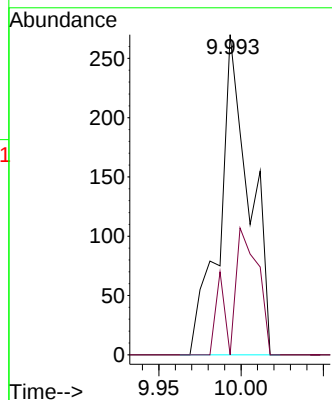
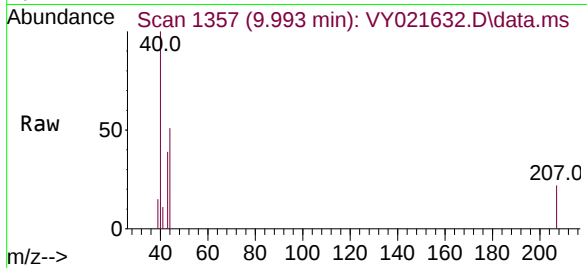




#51
4-Methyl-2-Pentanone
Concen: 1.094 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. -0.006 min
Lab File: VY021632.D
Acq: 25 Mar 2025 13:49

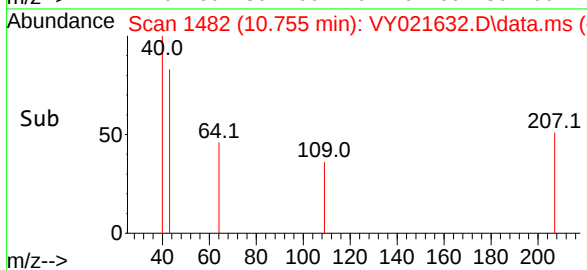
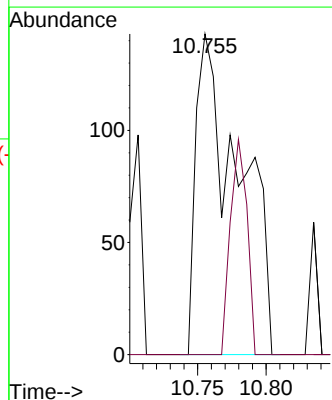
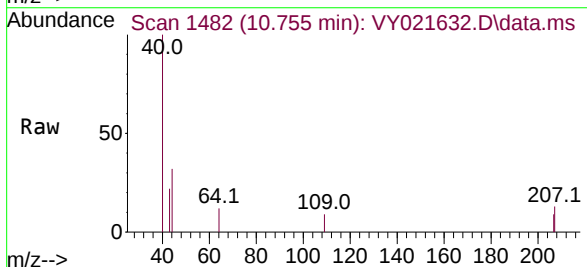
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

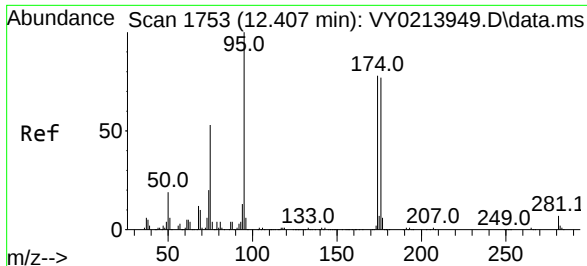
Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
58 36.1 31.4 47.2



#59
2-Hexanone
Concen: 1.514 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. -0.006 min
Lab File: VY021632.D
Acq: 25 Mar 2025 13:49

Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 34.777 ug/l

RT: 12.407 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021632.D

Acq: 25 Mar 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

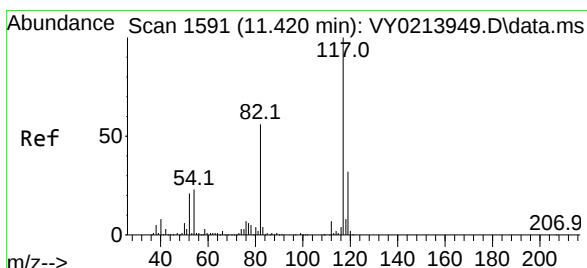
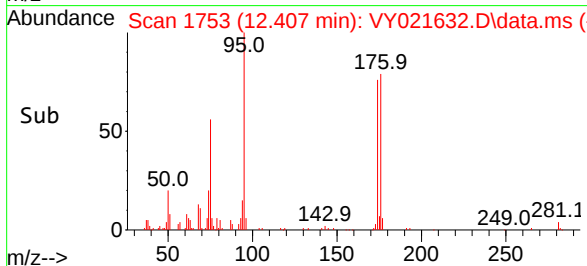
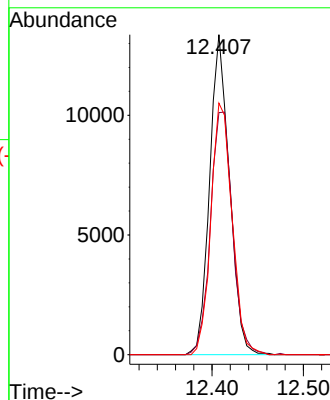
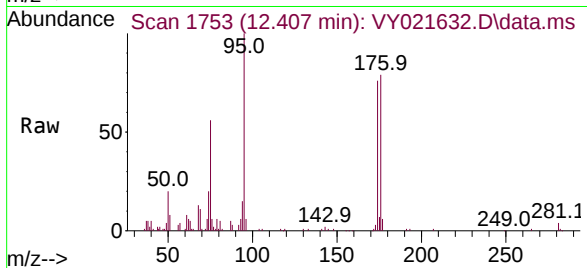
Tgt Ion: 95 Resp: 20147

Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.0

176 83.8 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021632.D

Acq: 25 Mar 2025 13:49

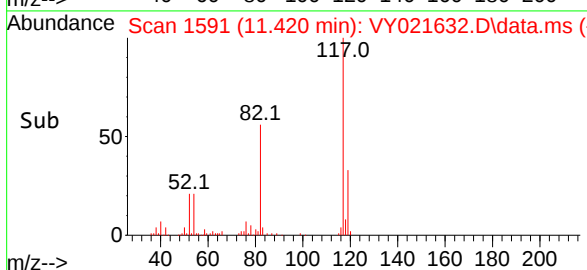
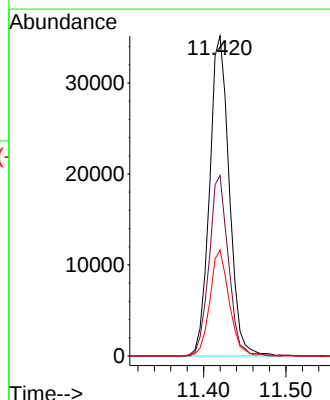
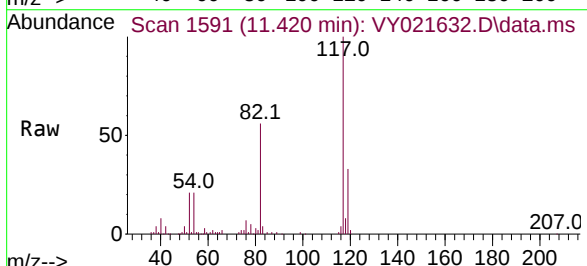
Tgt Ion: 117 Resp: 58410

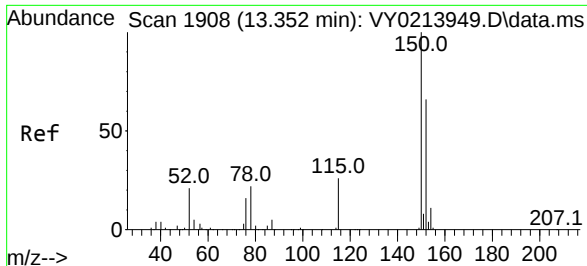
Ion Ratio Lower Upper

117 100

82 56.4 44.6 67.0

119 33.0 25.4 38.0

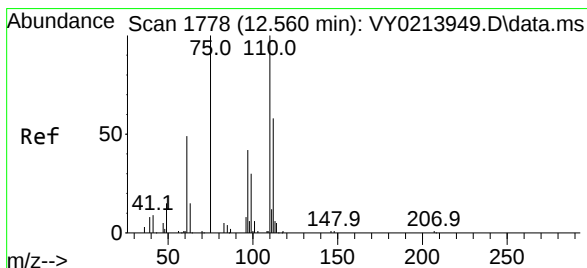
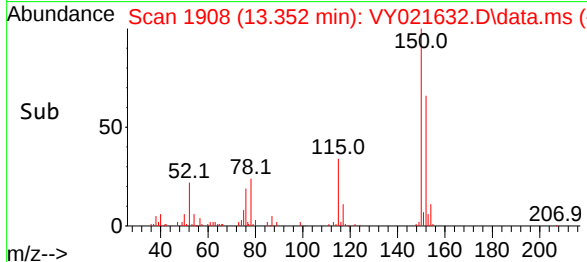
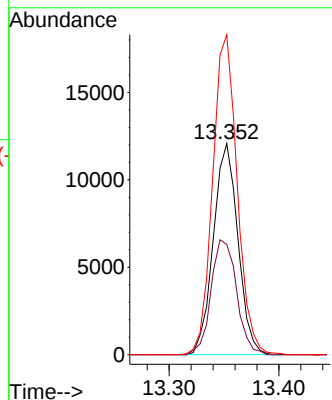
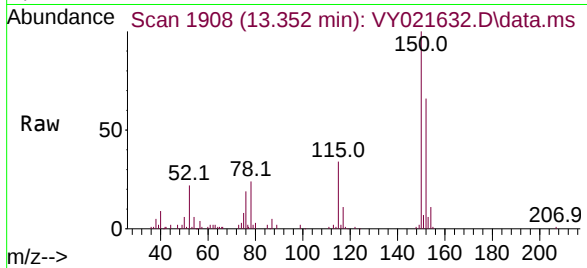




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VY021632.D
 Acq: 25 Mar 2025 13:49

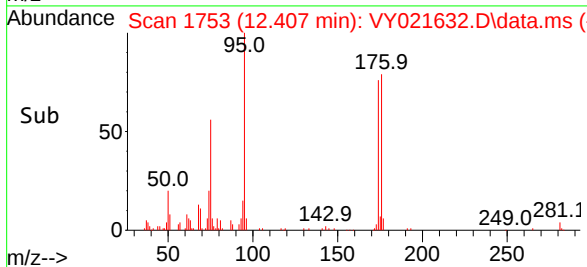
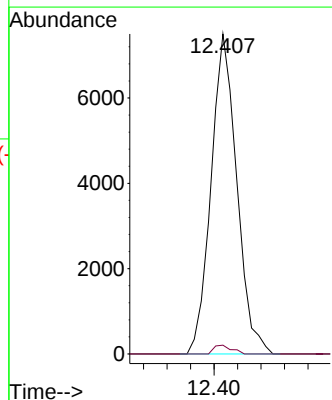
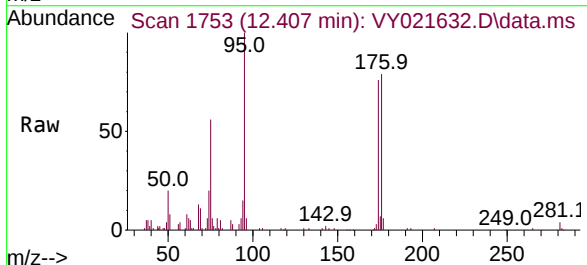
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

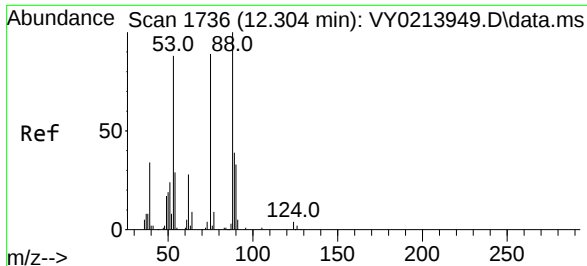
Tgt Ion:152 Resp: 18824
 Ion Ratio Lower Upper
 152 100
 115 56.5 29.0 87.0
 150 151.0 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 60.131 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021632.D
 Acq: 25 Mar 2025 13:49

Tgt Ion: 75 Resp: 11406
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

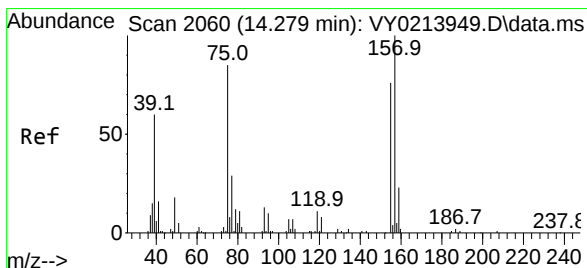
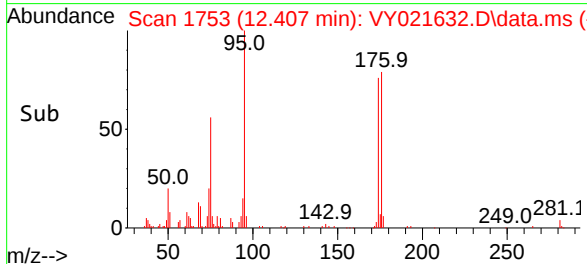
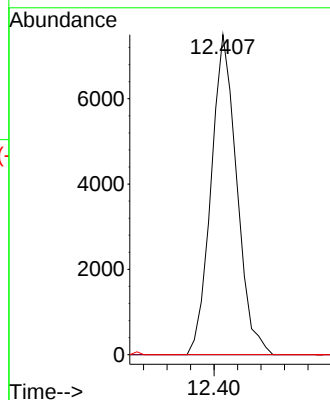
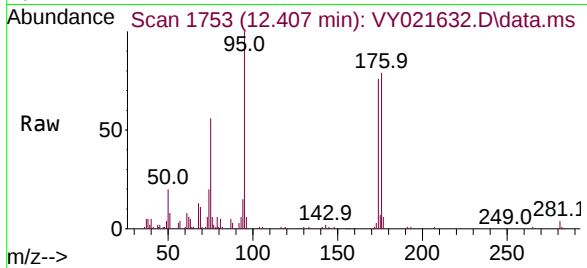




#81
trans-1,4-Dichloro-2-butene
Concen: 136.696 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021632.D
Acq: 25 Mar 2025 13:49

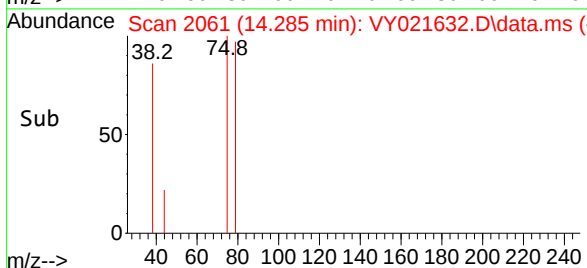
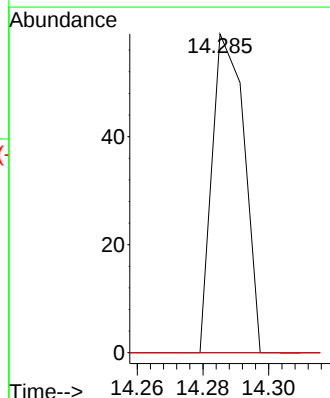
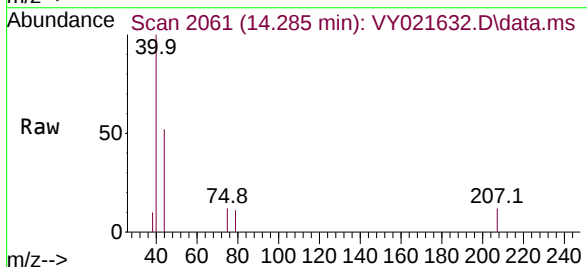
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

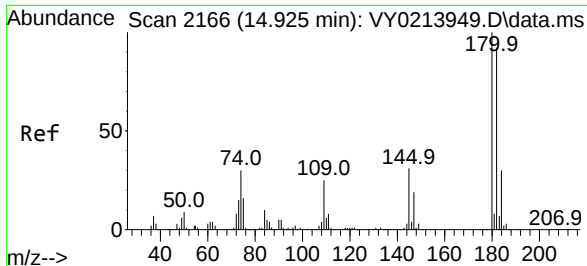
Tgt Ion: 75 Resp: 11406
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.0 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.020 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021632.D
Acq: 25 Mar 2025 13:49

Tgt Ion: 75 Resp: 40
Ion Ratio Lower Upper
75 100
155 0.0 43.5 130.5#
157 0.0 54.4 163.2#





#93

1,2,4-Trichlorobenzene

Concen: 1.324 ug/l

RT: 14.931 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY021632.D

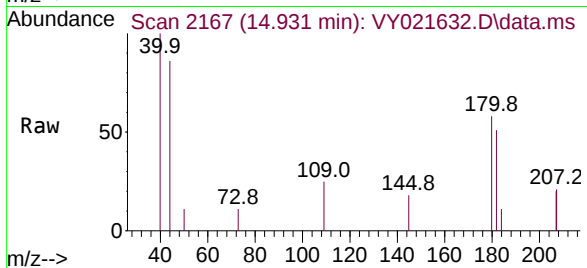
Acq: 25 Mar 2025 13:49

Instrument :

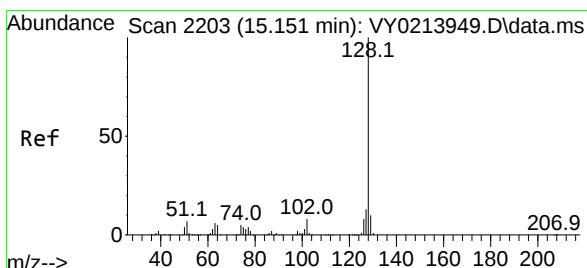
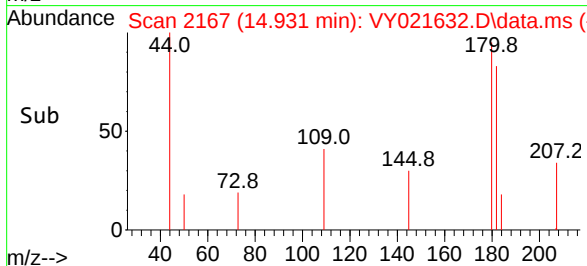
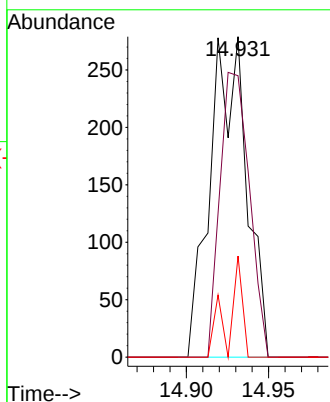
MSVOA_Y

ClientSampleId :

WC-1-VOC



Tgt Ion:	180	Resp:	428
Ion Ratio	Lower	Upper	
180	100		
182	72.2	46.7	140.0
145	12.1	15.6	46.8#



#95

Naphthalene

Concen: 2.626 ug/l

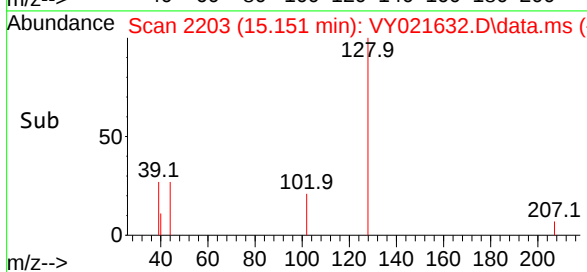
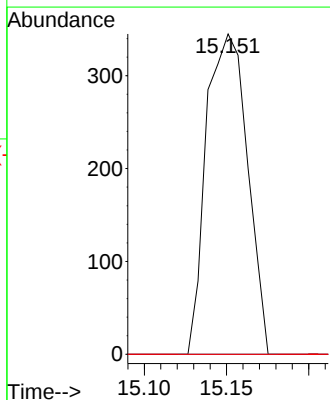
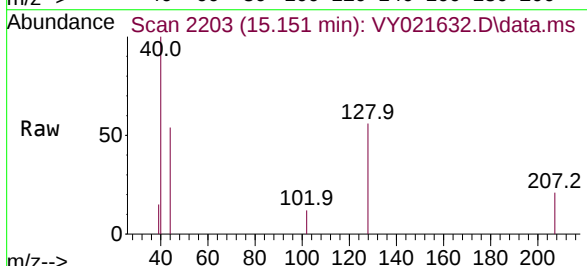
RT: 15.151 min Scan# 2203

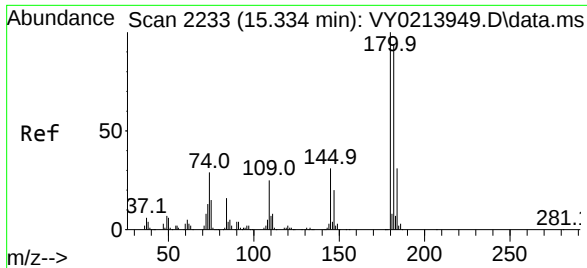
Delta R.T. -0.000 min

Lab File: VY021632.D

Acq: 25 Mar 2025 13:49

Tgt Ion:	128	Resp:	601
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.173 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY021632.D
 Acq: 25 Mar 2025 13:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Tgt Ion:	180	Resp:	319
Ion	Ratio	Lower	Upper
180	100		
182	112.2	47.2	141.6
145	43.6	16.4	49.1

