

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021823.D
 Acq On : 09 Apr 2025 16:48
 Operator : SY/MD
 Sample : Q1753-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Apr 10 01:45:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

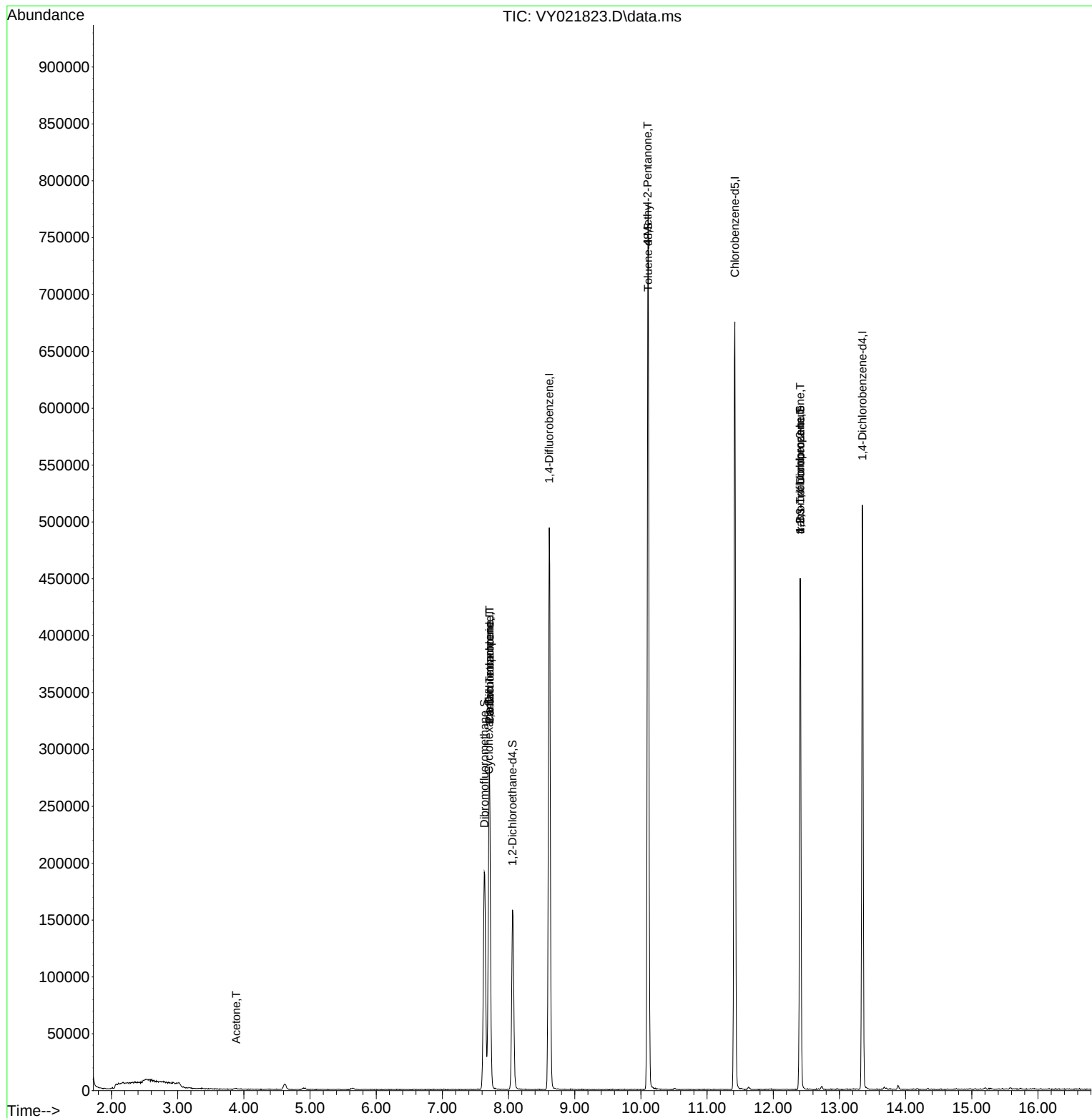
Internal Standards						
1) Pentafluorobenzene	7.713	168	213444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	407139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	347656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124937	54.024	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.040%	
35) Dibromofluoromethane	7.634	113	135853	51.439	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.880%	
50) Toluene-d8	10.109	98	493769	49.144	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	12.407	95	131526	38.701	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.400%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	1308	2.764	ug/l	96
20) Methylene Chloride	4.616	84	3614	Below Cal	#	87
31) Cyclohexane	7.701	56	5008	1.227	ug/l #	15
36) 1,1-Dichloropropene	7.713	75	17789	4.422	ug/l #	50
38) Carbon Tetrachloride	7.713	117	22132	4.804	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2376	1.269	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	70014	55.908	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	70014	128.821	ug/l #	12

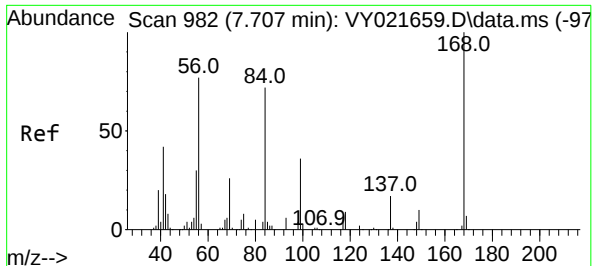
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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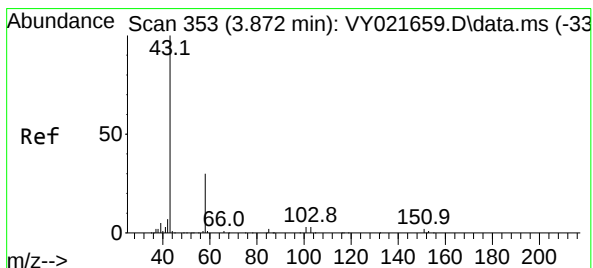
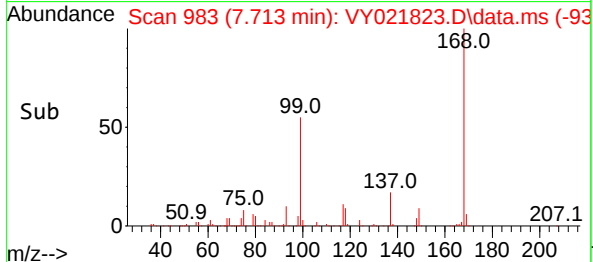
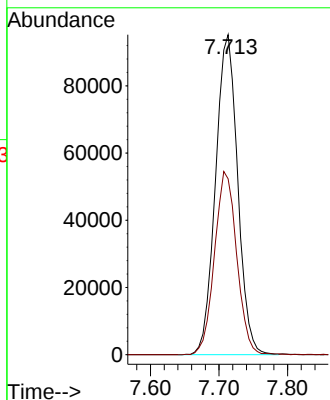
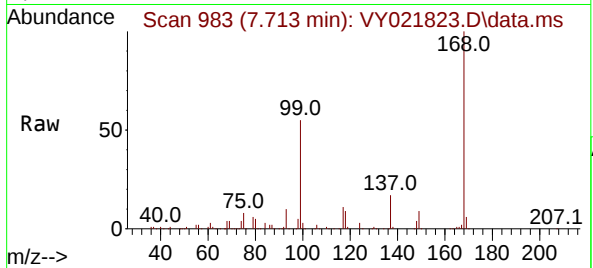




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021823.D
Acq: 09 Apr 2025 16:48

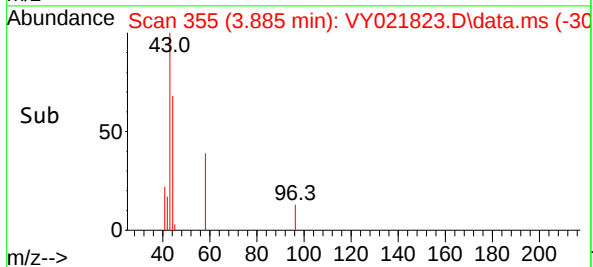
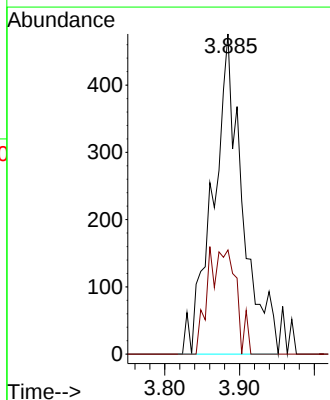
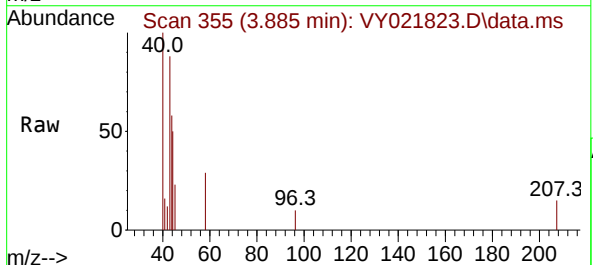
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

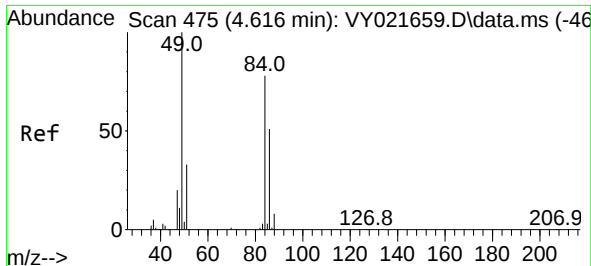
Tgt Ion:168 Resp: 213444
Ion Ratio Lower Upper
168 100
99 55.0 46.7 70.1



#16
Acetone
Concen: 2.764 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY021823.D
Acq: 09 Apr 2025 16:48

Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
58 32.6 24.2 36.4

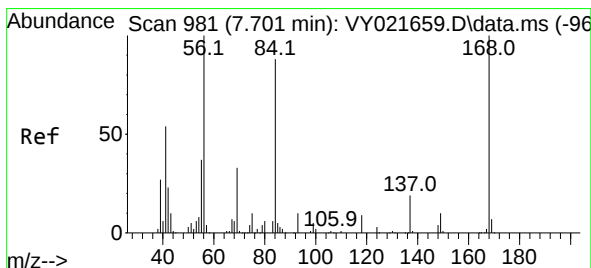
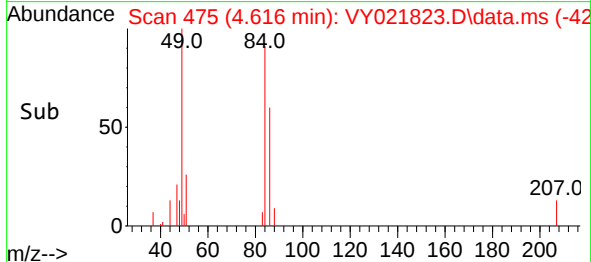
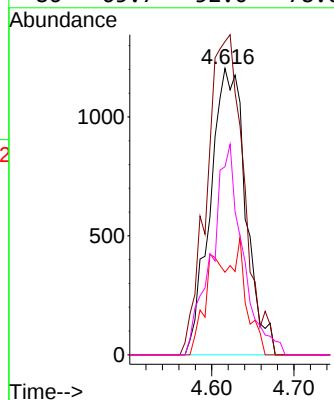
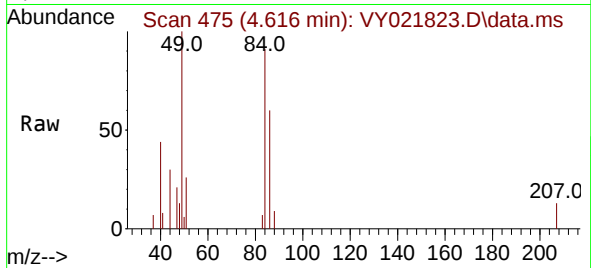




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021823.D
Acq: 09 Apr 2025 16:48

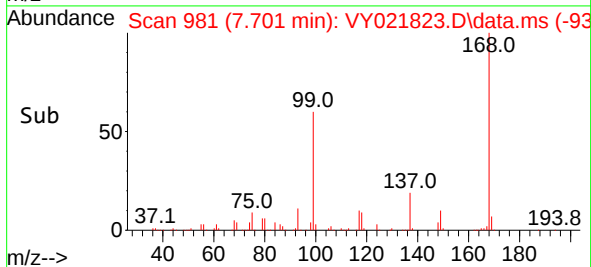
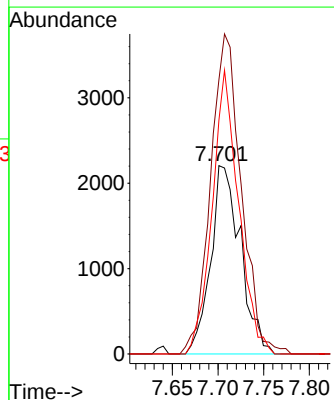
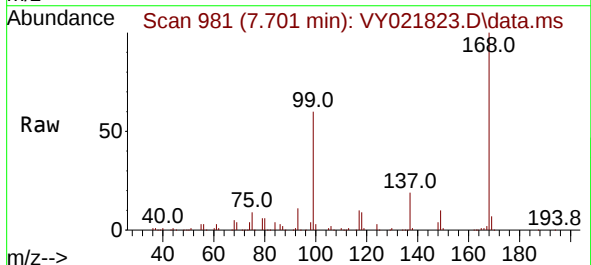
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

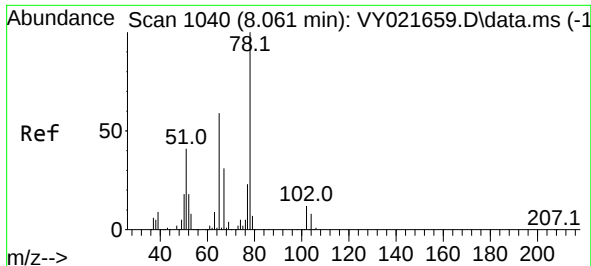
Tgt Ion:	84	Resp:	3614
Ion	Ratio	Lower	Upper
84	100		
49	109.4	102.8	154.2
51	28.8	33.5	50.3#
86	65.7	52.0	78.0



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY021823.D
Acq: 09 Apr 2025 16:48

Tgt Ion:	56	Resp:	5008
Ion	Ratio	Lower	Upper
56	100		
69	145.6	26.6	40.0#
84	124.2	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 54.024 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY021823.D

Acq: 09 Apr 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

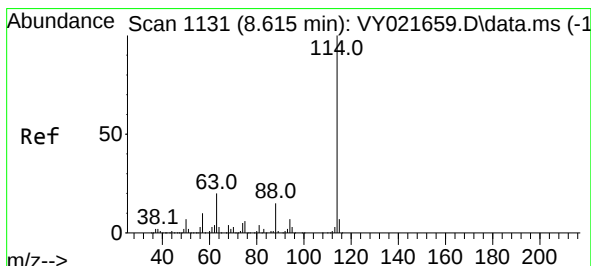
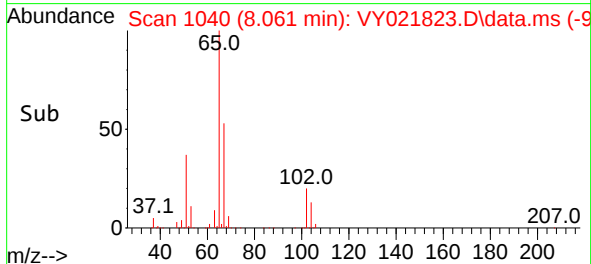
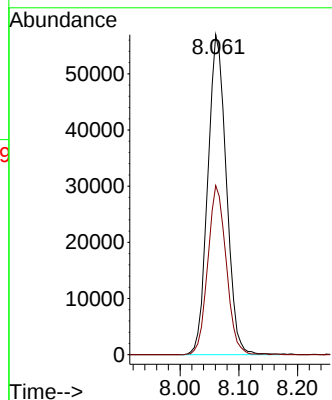
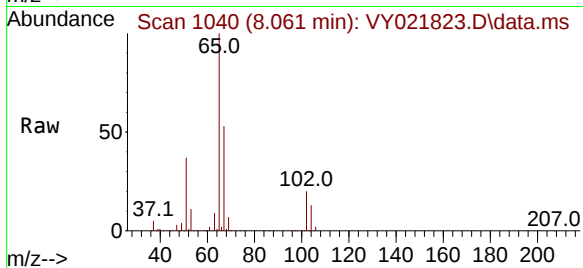
WC-1-VOC

Tgt Ion: 65 Resp: 124937

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021823.D

Acq: 09 Apr 2025 16:48

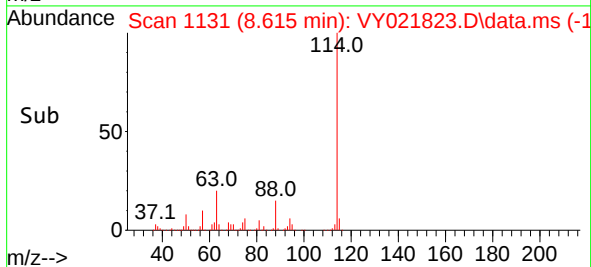
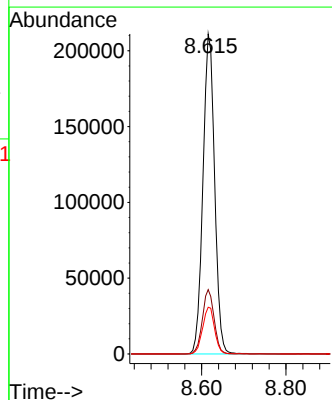
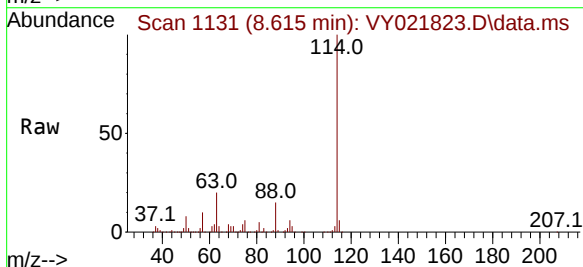
Tgt Ion: 114 Resp: 407139

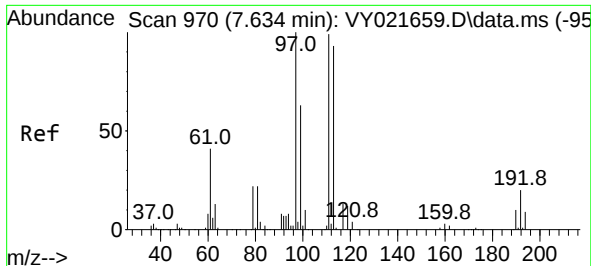
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.6 0.0 29.8

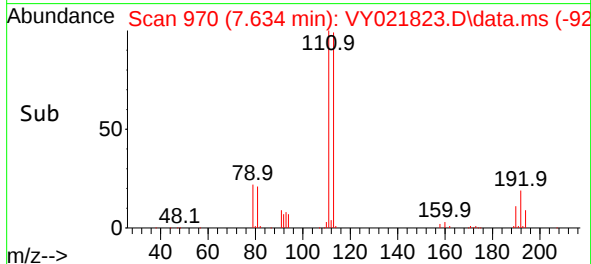
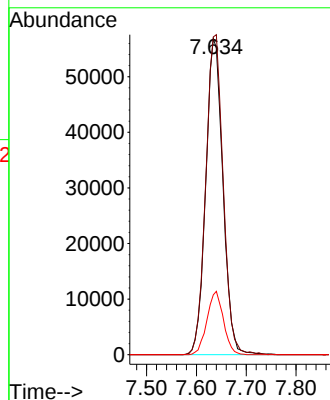
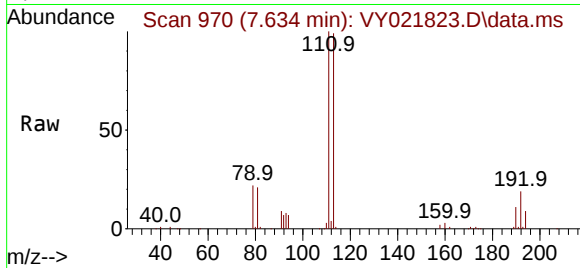




#35
Dibromofluoromethane
Concen: 51.439 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021823.D
Acq: 09 Apr 2025 16:48

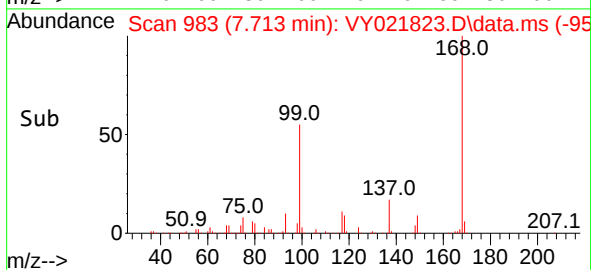
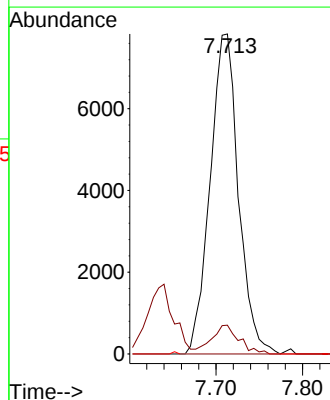
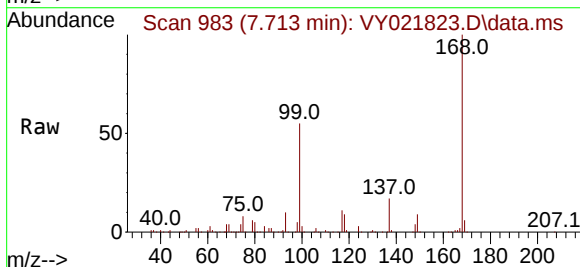
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

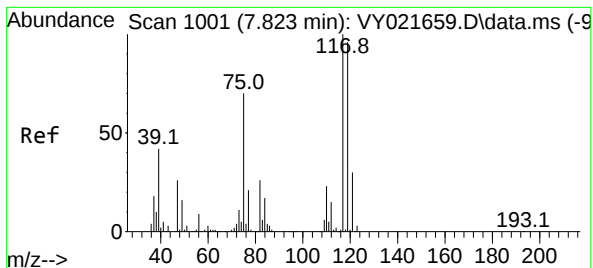
Tgt Ion:113 Resp: 135853
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 19.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.422 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021823.D
Acq: 09 Apr 2025 16:48

Tgt Ion: 75 Resp: 17789
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.804 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.110 min

Lab File: VY021823.D

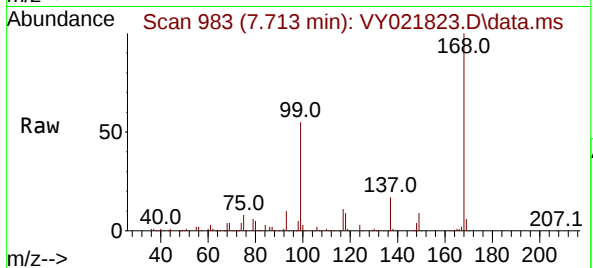
Acq: 09 Apr 2025 16:48

Instrument :

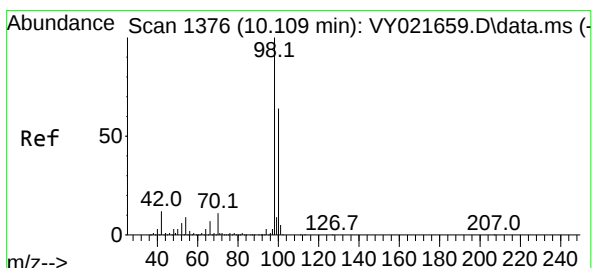
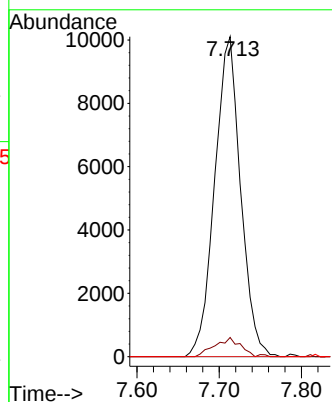
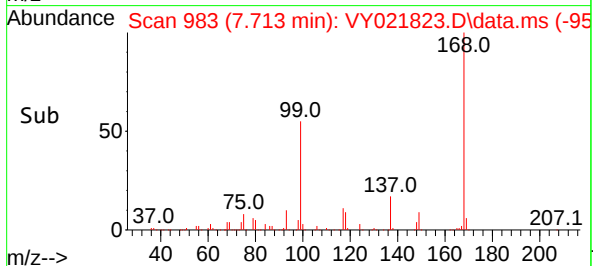
MSVOA_Y

ClientSampleId :

WC-1-VOC



Tgt Ion:	117	Resp:	22132
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.2	114.4#
121	0.0	24.2	36.4#



#50

Toluene-d8

Concen: 49.144 ug/l

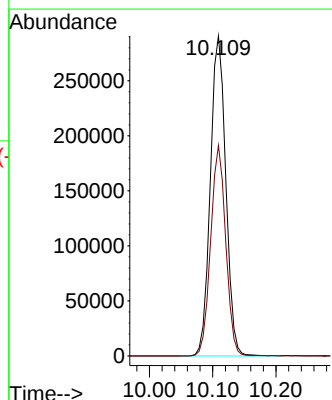
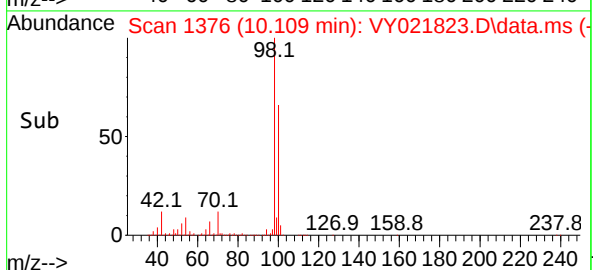
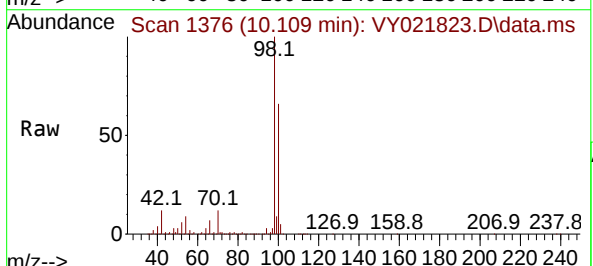
RT: 10.109 min Scan# 1376

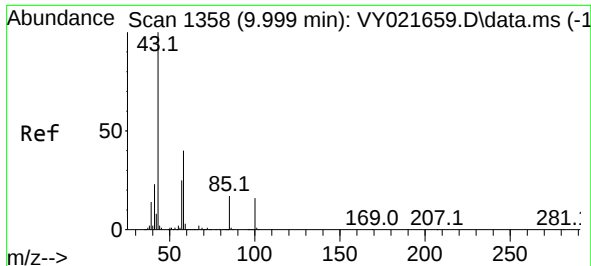
Delta R.T. -0.000 min

Lab File: VY021823.D

Acq: 09 Apr 2025 16:48

Tgt Ion:	98	Resp:	493769
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.1	78.1

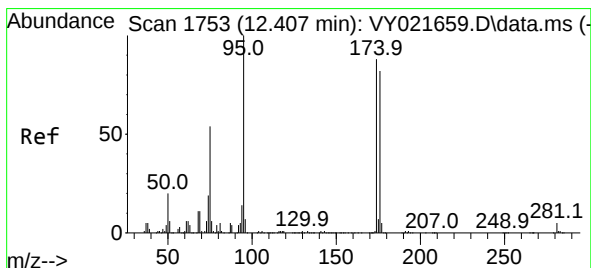
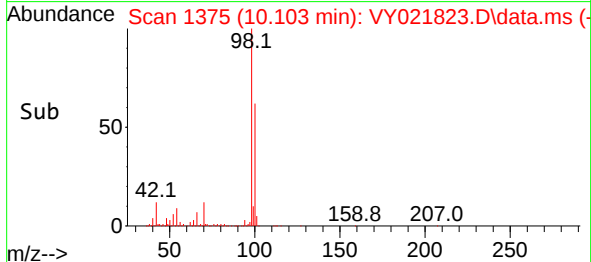
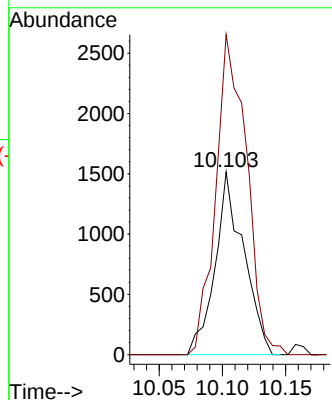
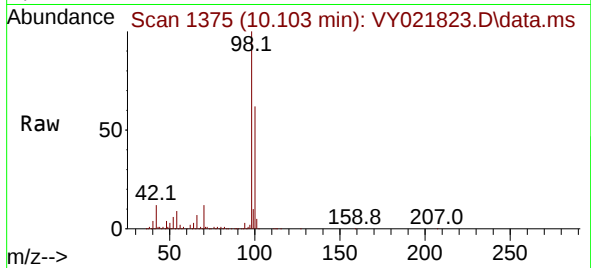




#51
4-Methyl-2-Pentanone
Concen: 1.269 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY021823.D
Acq: 09 Apr 2025 16:48

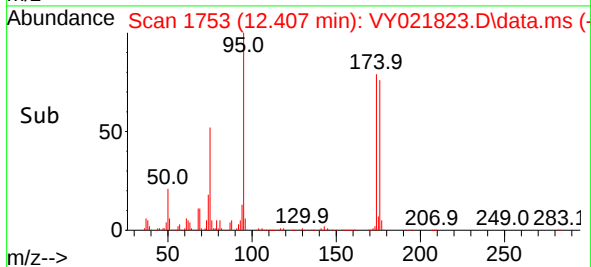
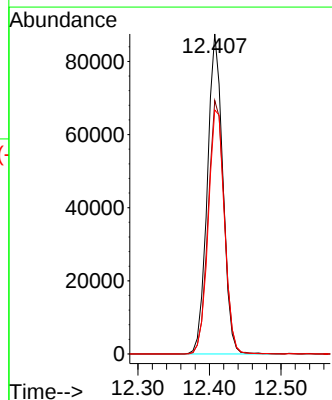
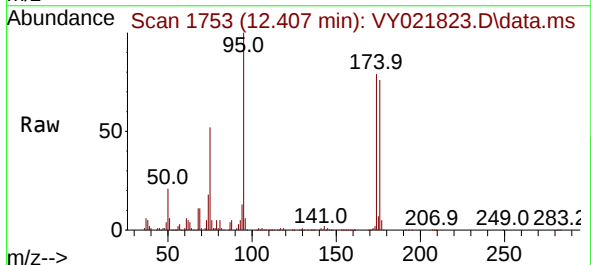
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

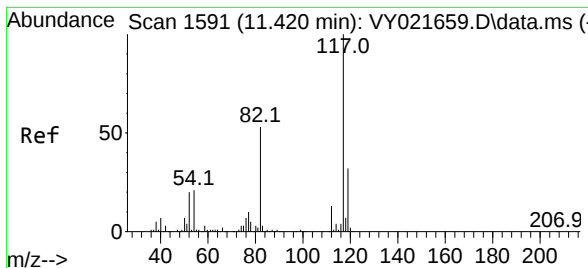
Tgt Ion: 43 Resp: 2376
Ion Ratio Lower Upper
43 100
58 189.5 31.5 47.3#



#62
4-Bromofluorobenzene
Concen: 38.701 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021823.D
Acq: 09 Apr 2025 16:48

Tgt Ion: 95 Resp: 131526
Ion Ratio Lower Upper
95 100
174 82.7 0.0 170.8
176 80.0 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021823.D

Acq: 09 Apr 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

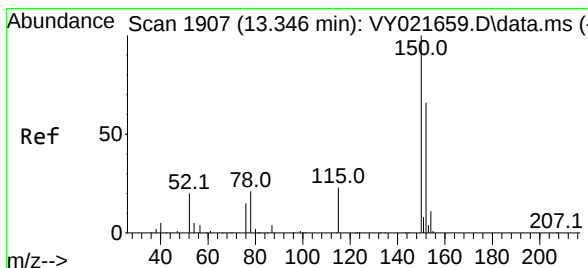
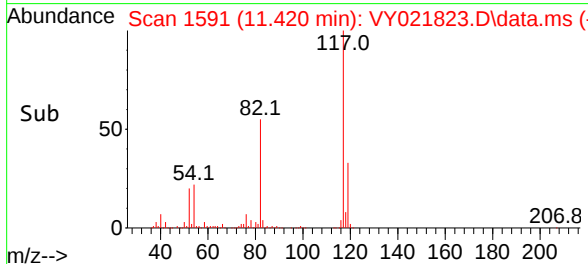
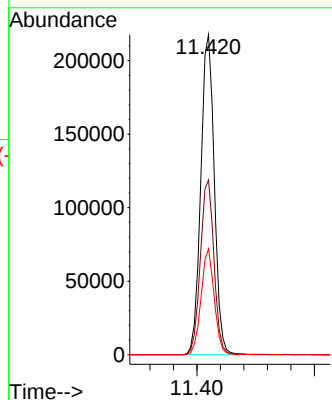
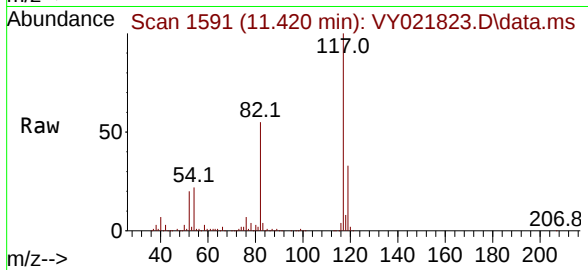
Tgt Ion:117 Resp: 347656

Ion Ratio Lower Upper

117 100

82 54.6 42.8 64.2

119 33.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021823.D

Acq: 09 Apr 2025 16:48

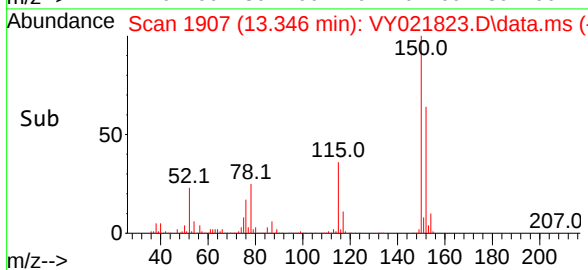
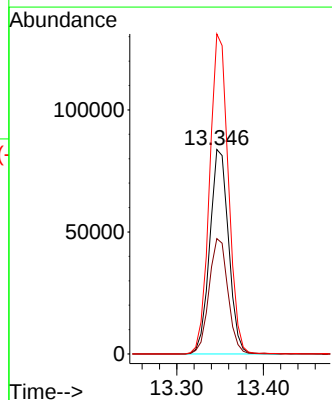
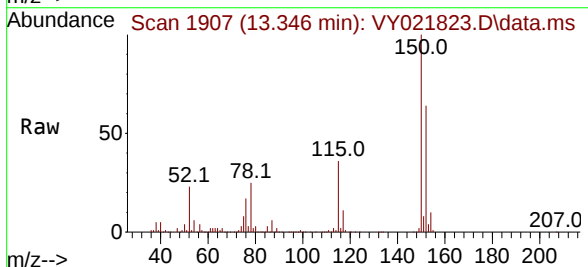
Tgt Ion:152 Resp: 126336

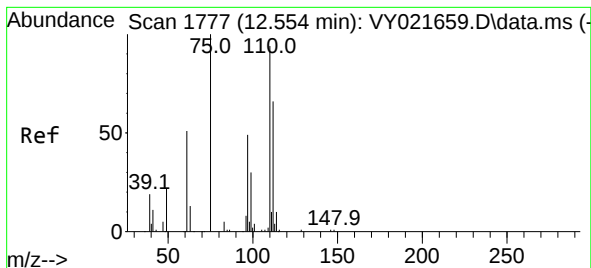
Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 156.1 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 55.908 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021823.D

Acq: 09 Apr 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

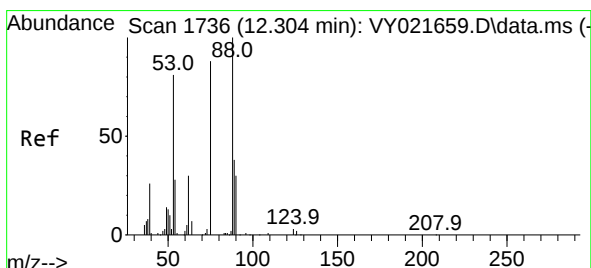
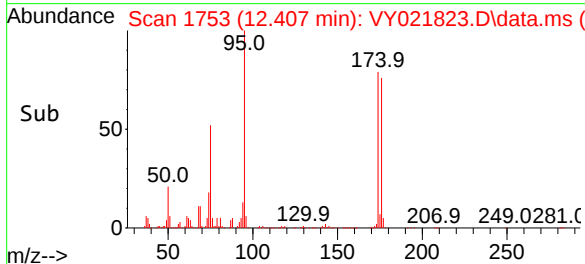
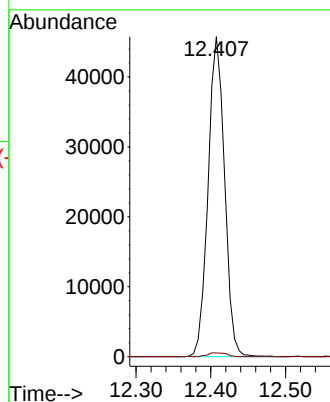
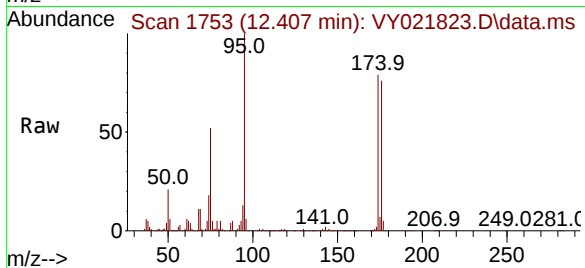
WC-1-VOC

Tgt Ion: 75 Resp: 70014

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.821 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021823.D

Acq: 09 Apr 2025 16:48

Tgt Ion: 75 Resp: 70014

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.0 36.2 54.4#

