

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014431.D
 Acq On : 26 Jun 2023 14:06
 Operator : KP/MD
 Sample : 03398-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: Jun 27 01:47:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

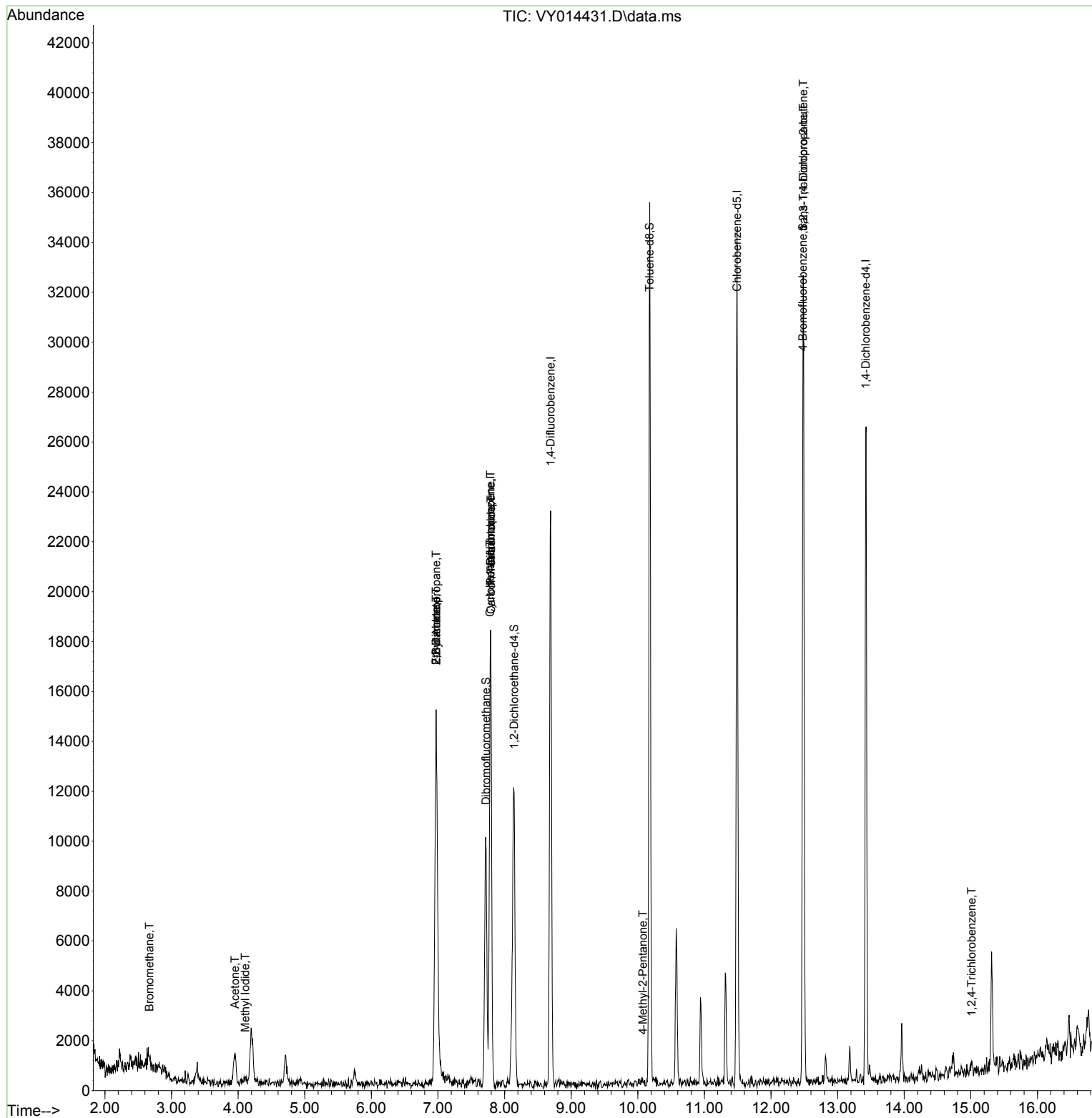
Internal Standards						
1) Pentafluorobenzene	7.789	168	14971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	20866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	17487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	7671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	9498	51.098	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.200%	
35) Dibromofluoromethane	7.722	113	6800	52.748	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.500%	
50) Toluene-d8	10.179	98	23576	46.006	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.020%	
62) 4-Bromofluorobenzene	12.477	95	6462	35.322	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 70.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	190	1.459	ug/l #	2
10) Methyl Iodide	4.107	142	115	3.468	ug/l #	90
11) Tert butyl alcohol	4.978	59	52	Below Cal	#	89
16) Acetone	3.954	43	2289	39.135	ug/l #	77
20) Methylene Chloride	4.716	84	888	Below Cal		90
25) 2-Butanone	6.972	43	704	9.664	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	1274	4.635	ug/l #	54
31) Cyclohexane	7.783	56	285	1.241	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	976	4.913	ug/l #	41
37) Ethyl Acetate	6.972	43	704	5.142	ug/l #	1
38) Carbon Tetrachloride	7.795	117	1408	5.632	ug/l #	18
51) 4-Methyl-2-Pentanone	10.075	43	200	1.466	ug/l #	58
76) 1,2,3-Trichloropropane	12.483	75	3899	40.519	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3899	92.248	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.013	180	238	1.549	ug/l #	71

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

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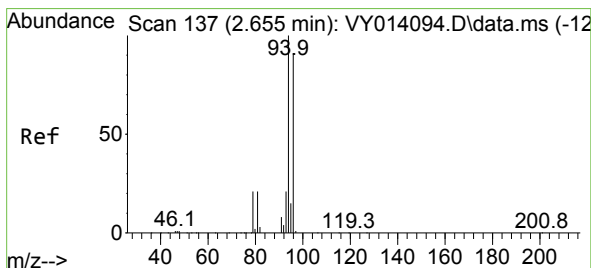
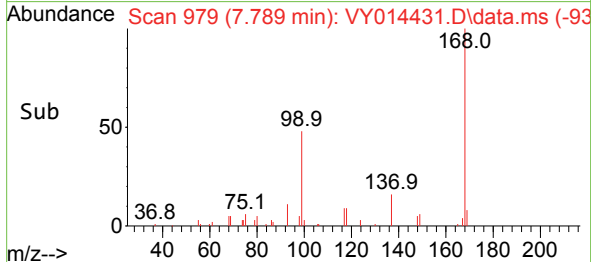
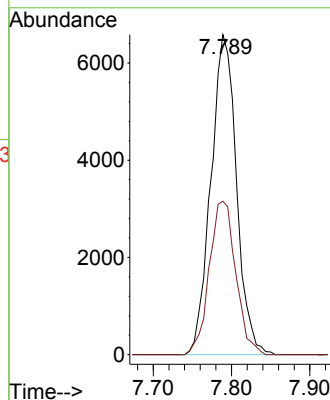
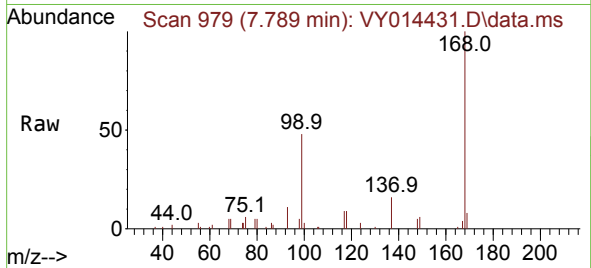




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

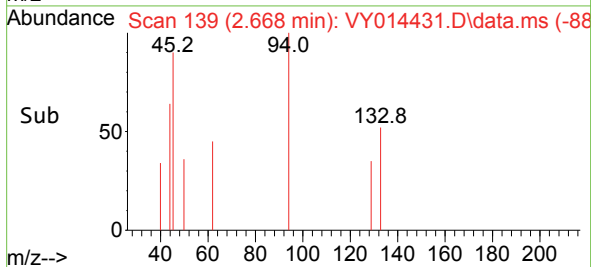
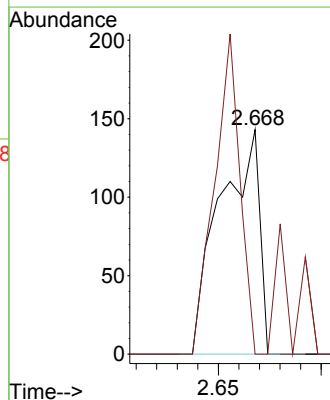
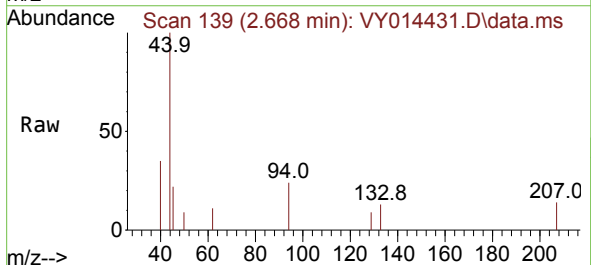
Instrument :
MSVOA_Y
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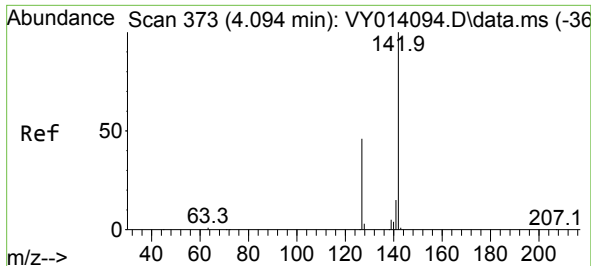
Tgt Ion:168 Resp: 14971
Ion Ratio Lower Upper
168 100
99 47.9 43.4 65.0



#5
Bromomethane
Concen: 1.459 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.013 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

Tgt Ion: 94 Resp: 190
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#

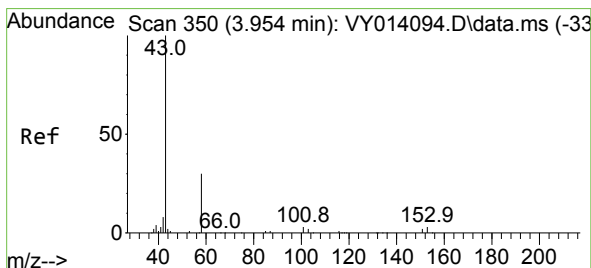
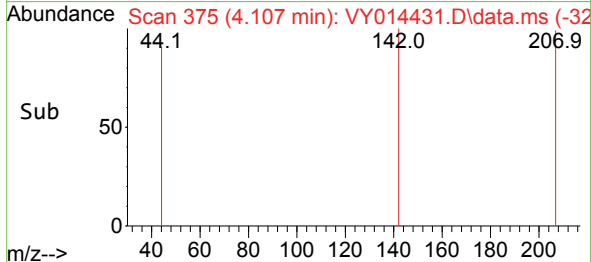
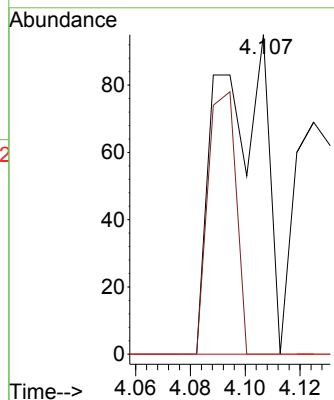
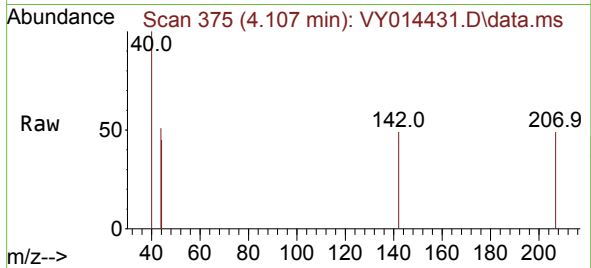




#10
Methyl Iodide
Concen: 3.468 ug/l
RT: 4.107 min Scan# 311
Delta R.T. 0.013 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

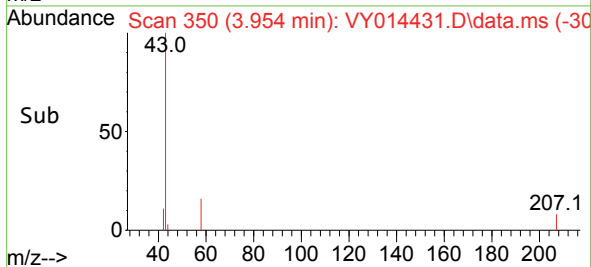
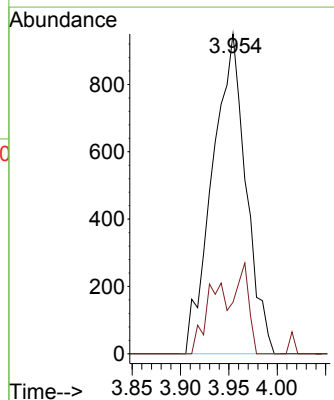
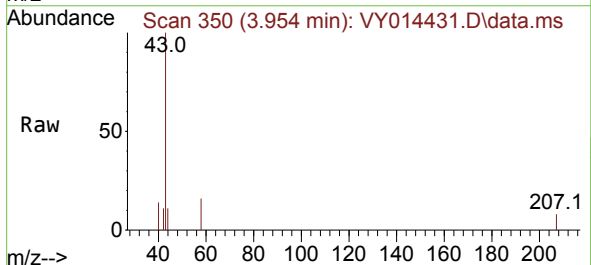
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

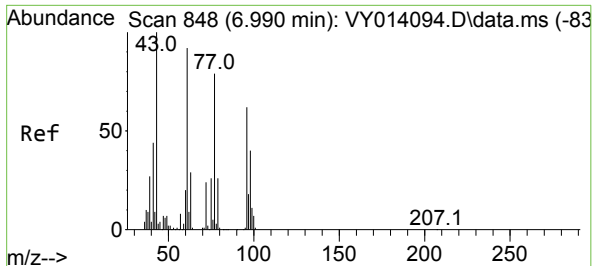
Tgt Ion:142 Resp: 115
Ion Ratio Lower Upper
142 100
127 48.7 37.6 56.4
141 0.0 11.8 17.8#



#16
Acetone
Concen: 39.135 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

Tgt Ion: 43 Resp: 2289
Ion Ratio Lower Upper
43 100
58 16.1 22.7 34.1#





#25

2-Butanone

Concen: 9.664 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.018 min

Lab File: VY014431.D

Acq: 26 Jun 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :

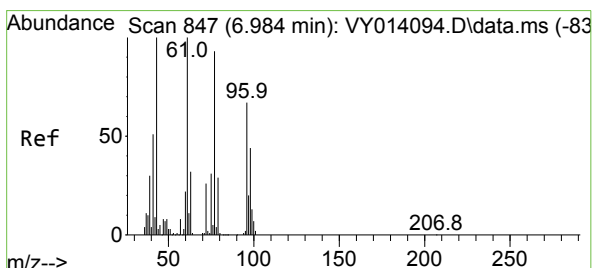
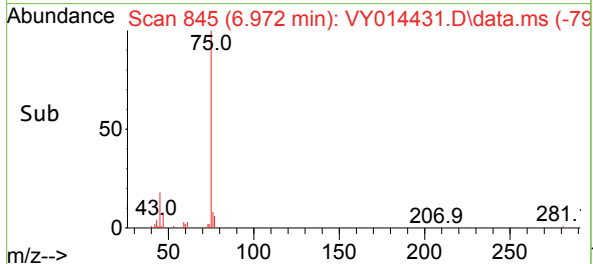
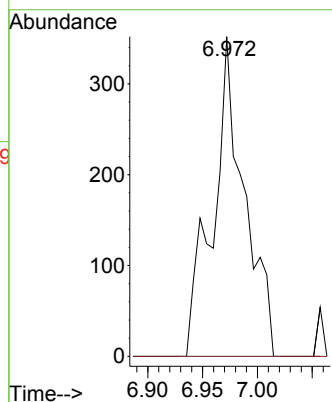
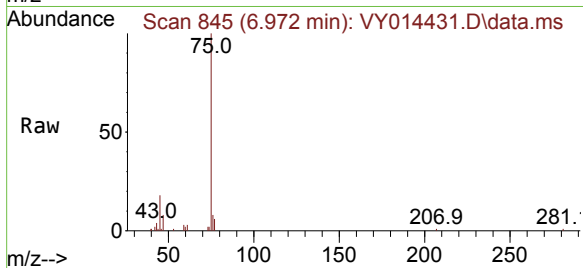
WC-1

Tgt Ion: 43 Resp: 704

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 4.635 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY014431.D

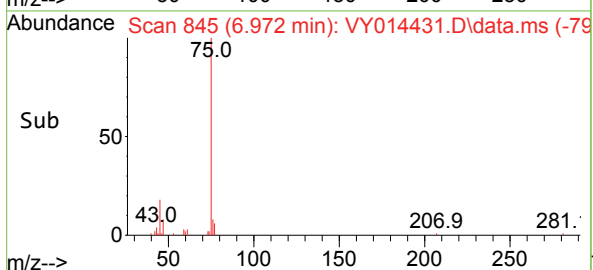
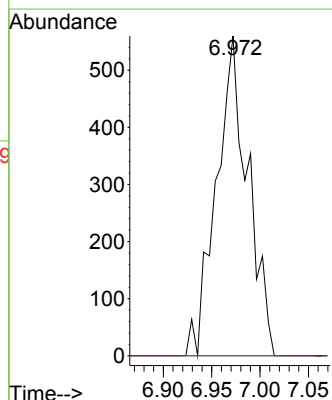
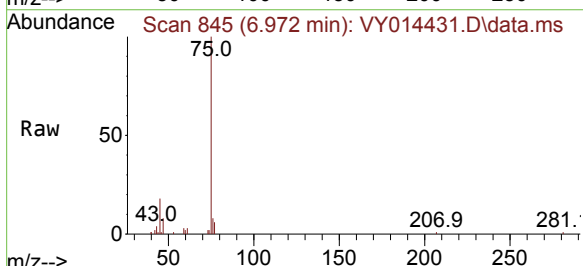
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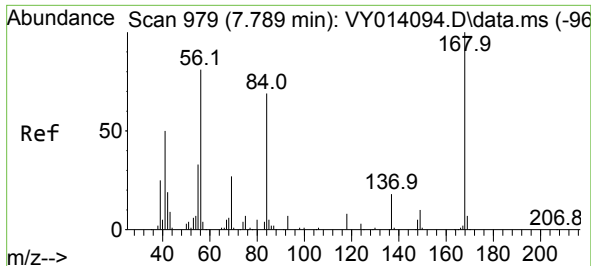
Tgt Ion: 77 Resp: 1274

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

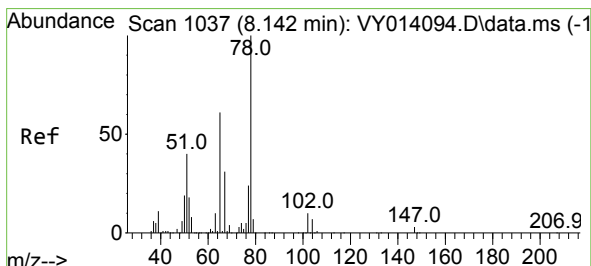
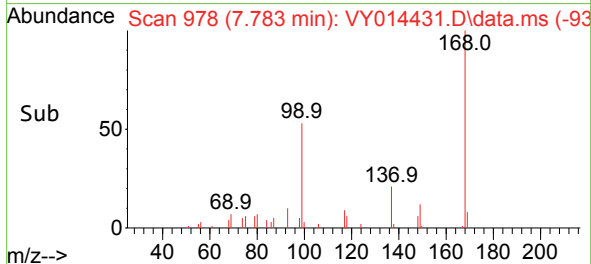
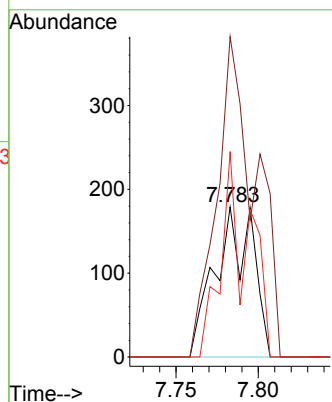
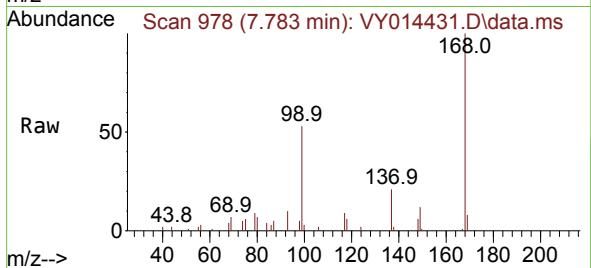




#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

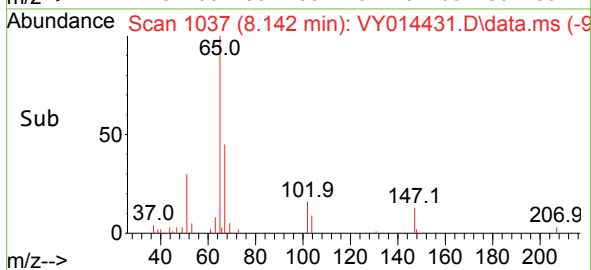
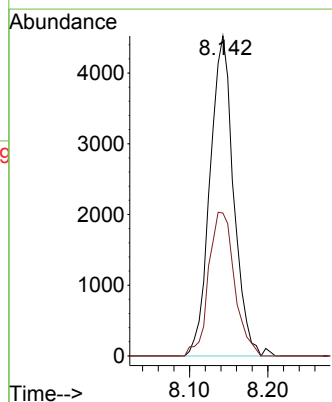
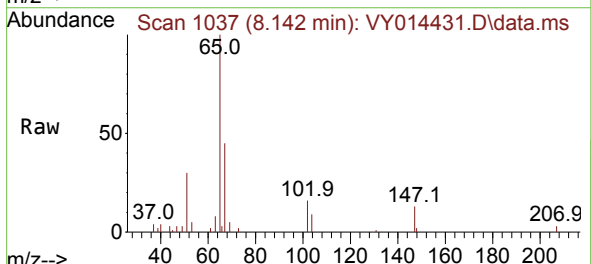
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
69 213.4 27.8 41.6#
84 136.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 51.098 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

Tgt Ion: 65 Resp: 9498
Ion Ratio Lower Upper
65 100
67 49.1 0.0 101.8

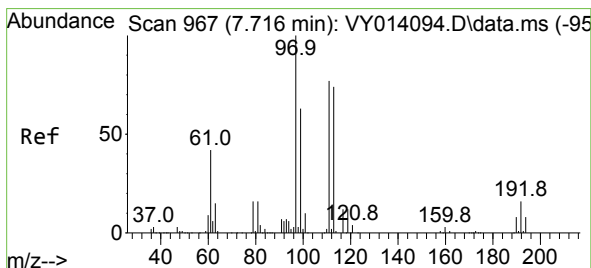
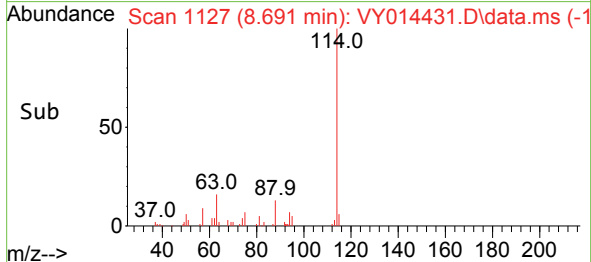
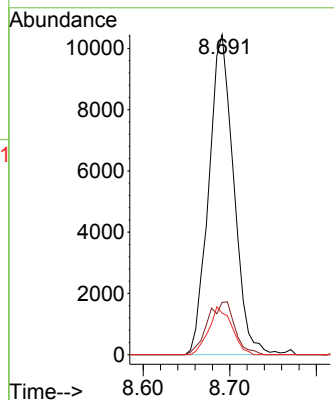
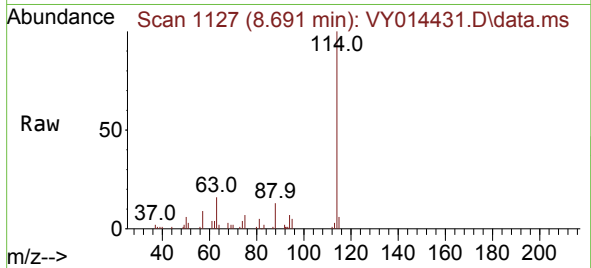




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014431.D
 Acq: 26 Jun 2023 14:06

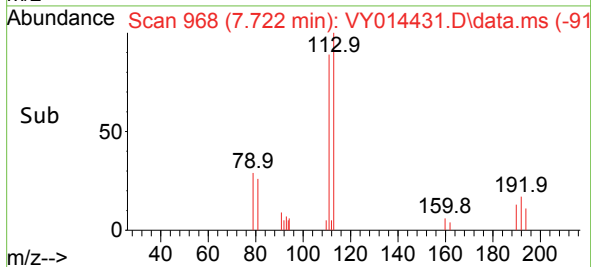
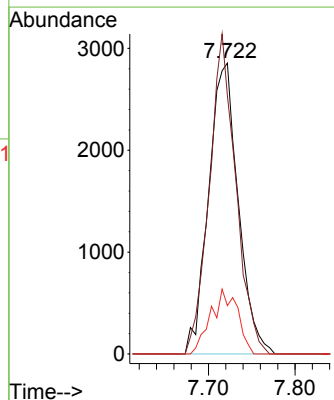
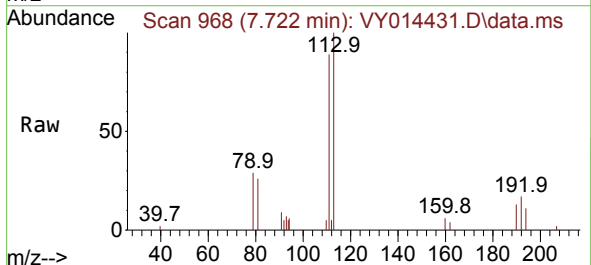
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

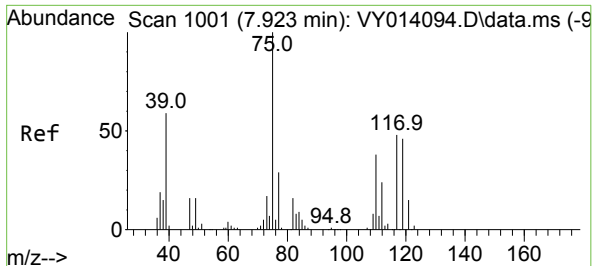
Tgt Ion:	114	Resp:	20866
Ion Ratio	Lower	Upper	
114	100		
63	16.4	0.0	42.4
88	13.0	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 52.748 ug/l
 RT: 7.722 min Scan# 968
 Delta R.T. 0.006 min
 Lab File: VY014431.D
 Acq: 26 Jun 2023 14:06

Tgt Ion:	113	Resp:	6800
Ion Ratio	Lower	Upper	
113	100		
111	97.9	81.3	121.9
192	20.0	16.9	25.3

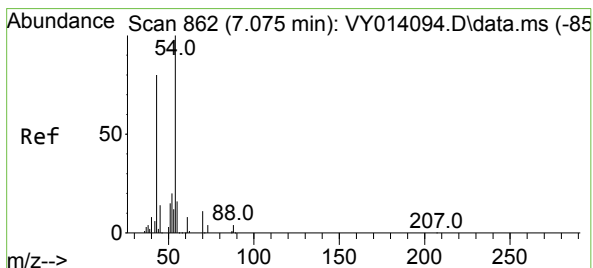
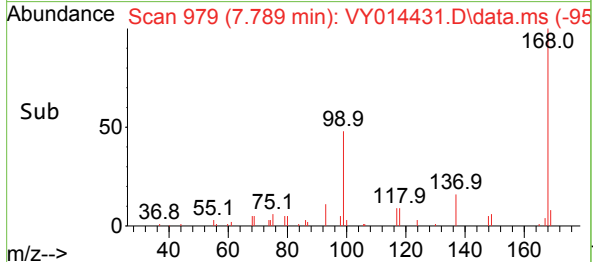
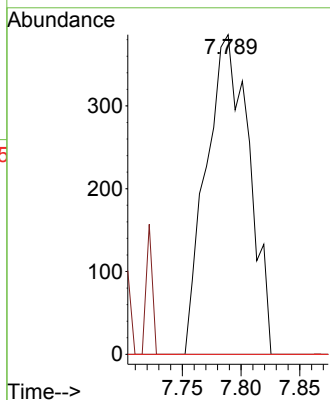
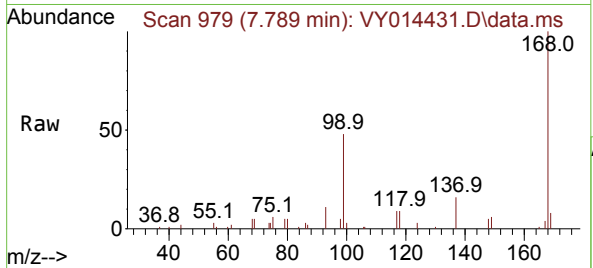




#36
1,1-Dichloropropene
Concen: 4.913 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

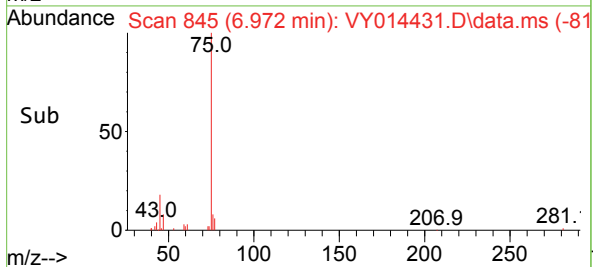
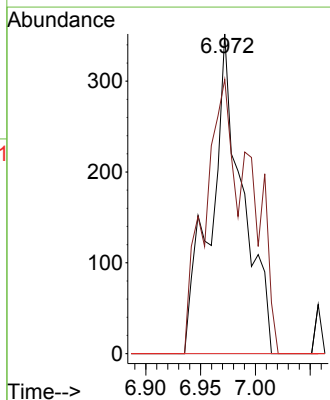
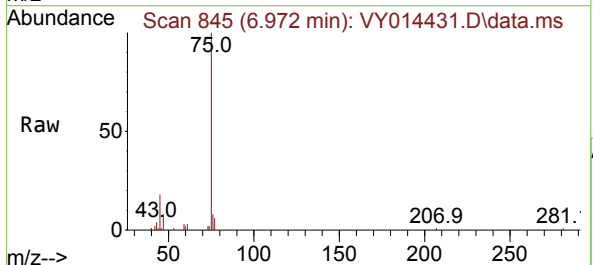
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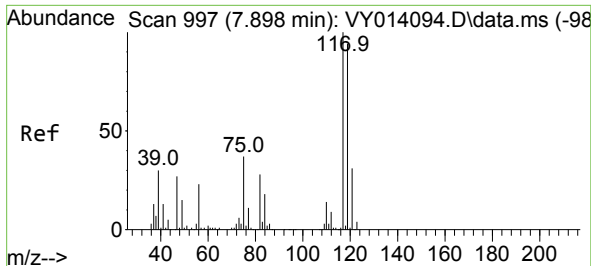
Tgt Ion: 75 Resp: 976
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 5.142 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.103 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
61 80.5 10.1 15.1#
70 0.0 7.1 10.7#

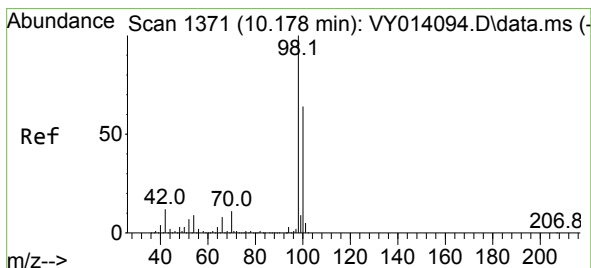
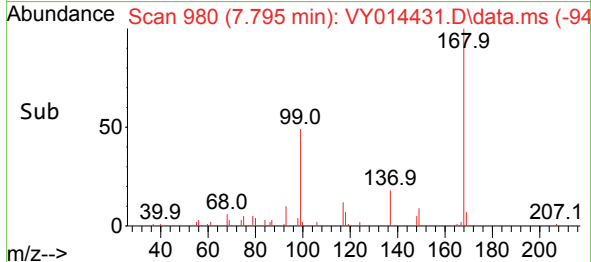
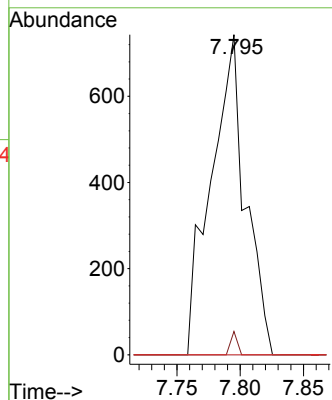
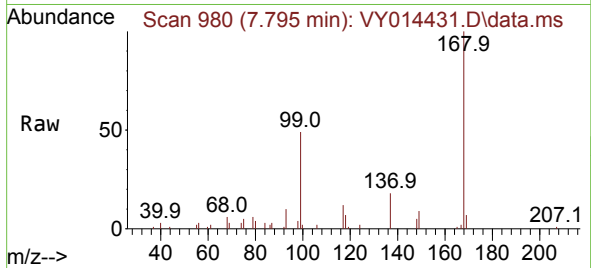




#38
Carbon Tetrachloride
Concen: 5.632 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

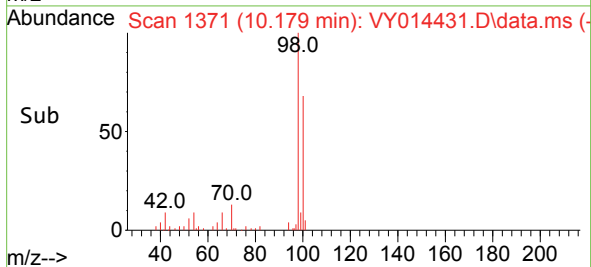
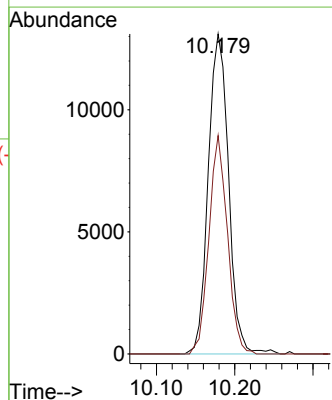
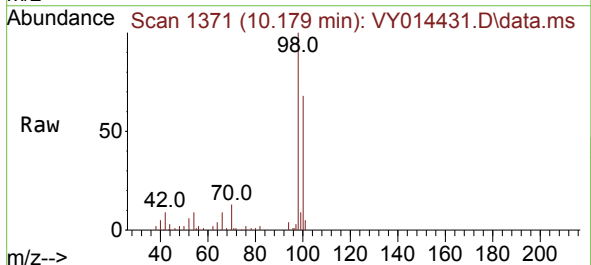
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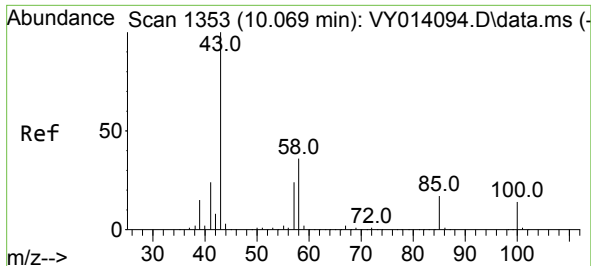
Tgt Ion:117 Resp: 1408
Ion Ratio Lower Upper
117 100
119 7.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.006 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

Tgt Ion: 98 Resp: 23576
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1

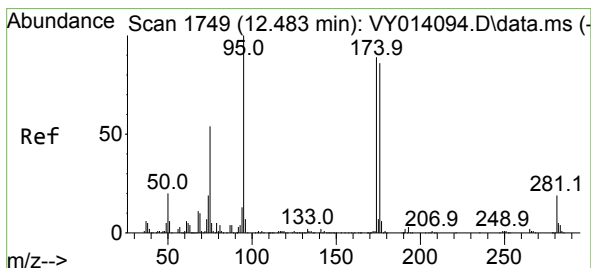
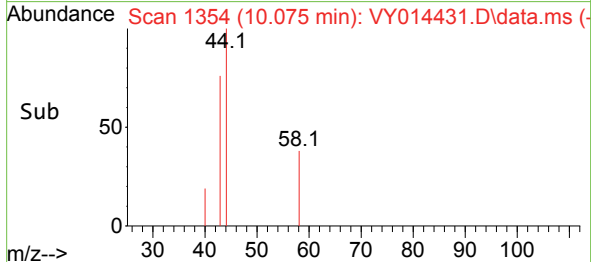
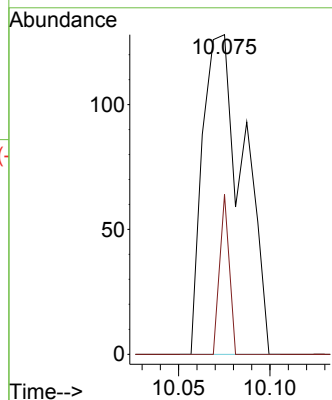
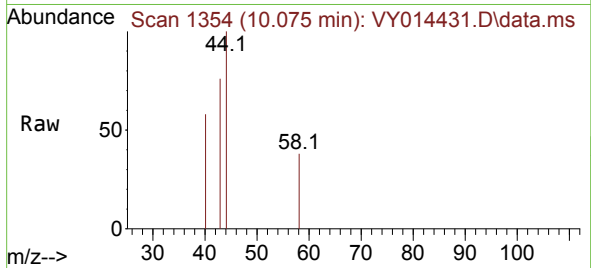




#51
4-Methyl-2-Pentanone
Concen: 1.466 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

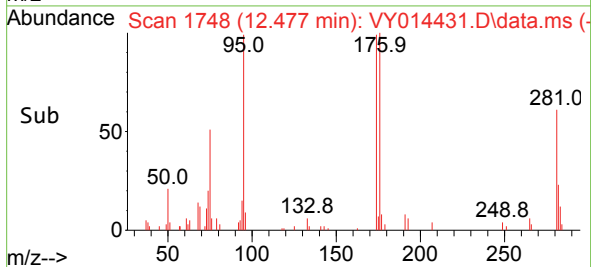
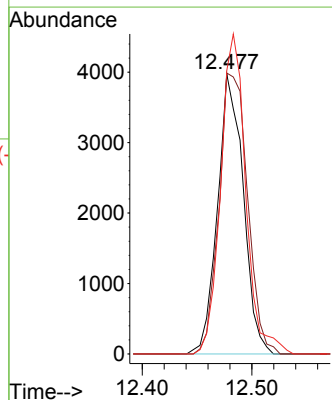
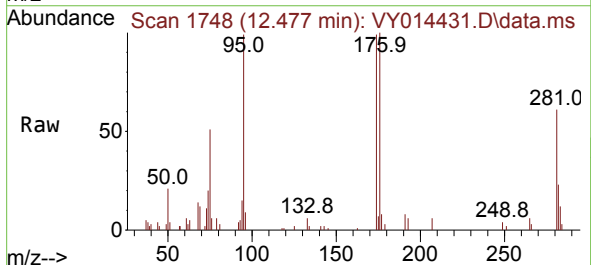
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

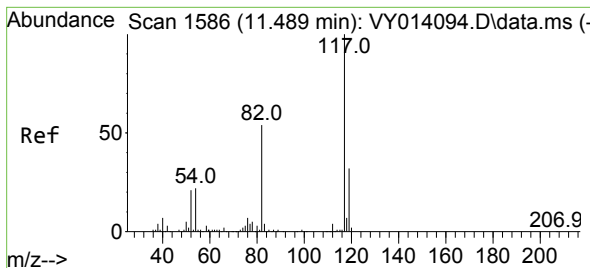
Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
58 11.5 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 35.322 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

Tgt Ion: 95 Resp: 6462
Ion Ratio Lower Upper
95 100
174 111.3 0.0 178.2
176 112.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014431.D

Acq: 26 Jun 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

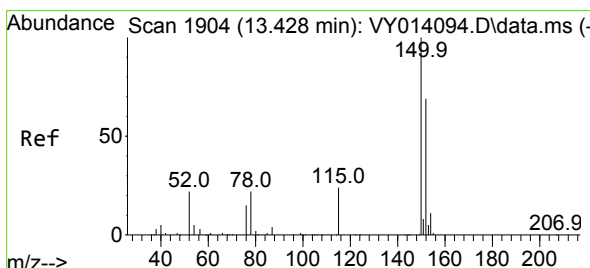
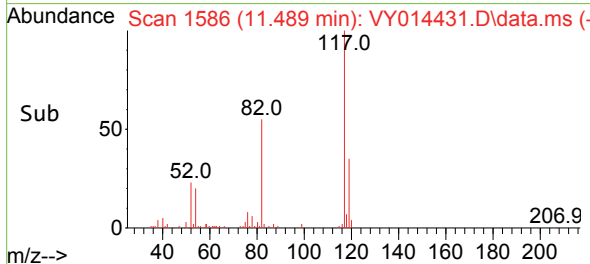
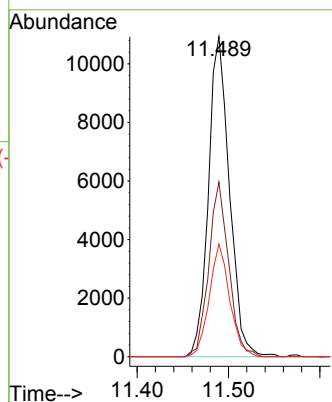
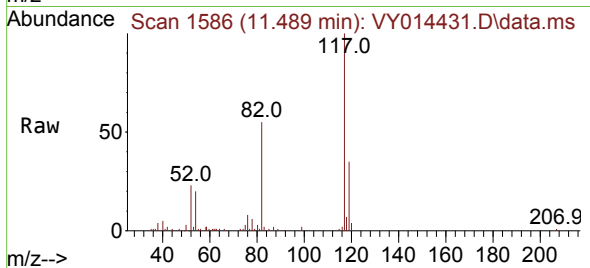
Tgt Ion:117 Resp: 17487

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

119 35.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014431.D

Acq: 26 Jun 2023 14:06

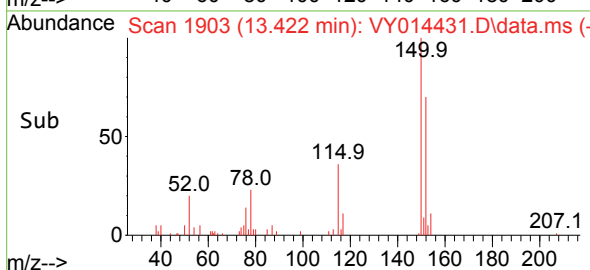
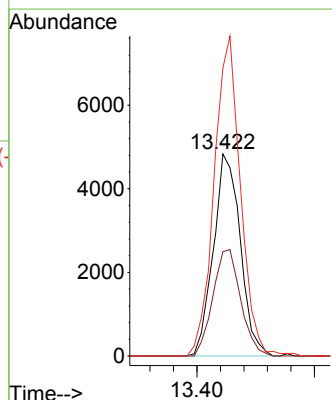
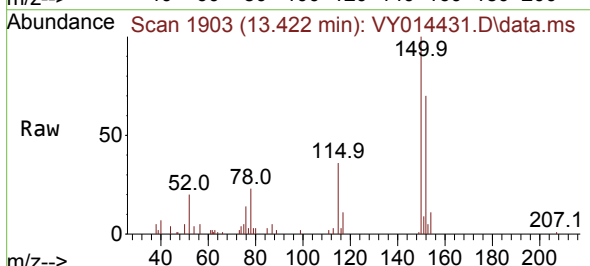
Tgt Ion:152 Resp: 7671

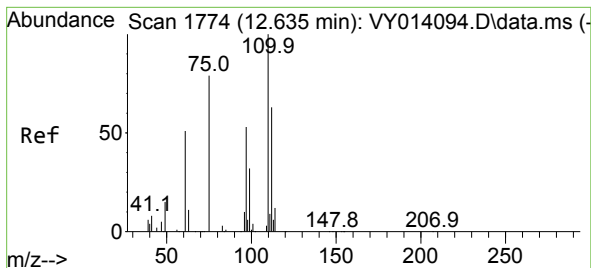
Ion Ratio Lower Upper

152 100

115 54.4 28.8 86.5

150 155.3 0.0 348.8

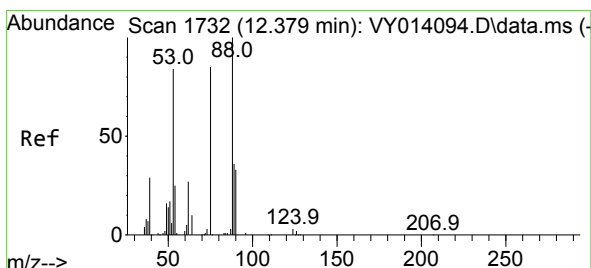
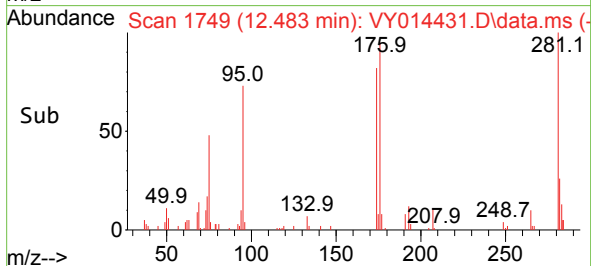
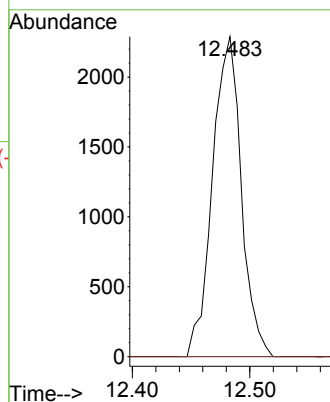
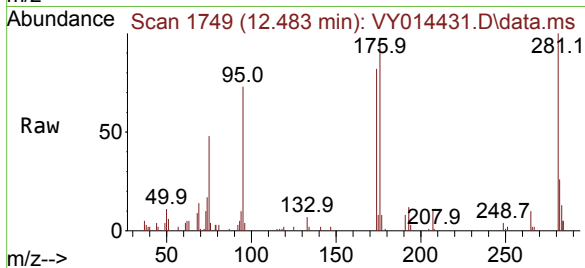




#76
1,2,3-Trichloropropane
Concen: 40.519 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

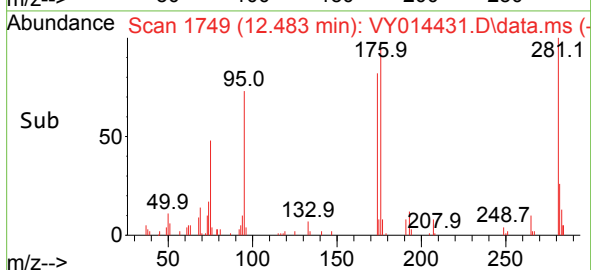
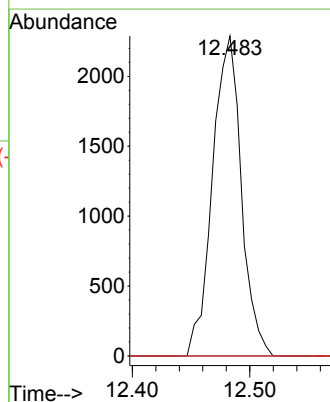
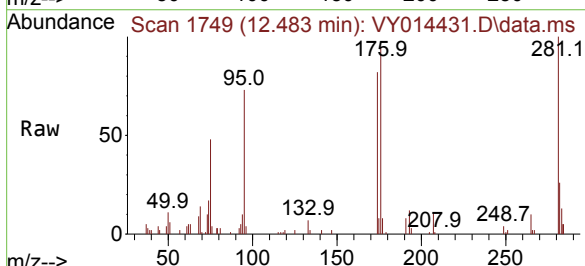
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

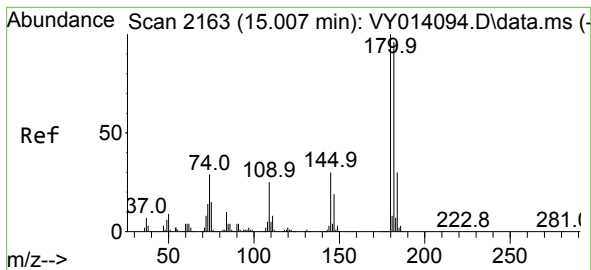
Tgt Ion: 75 Resp: 3899
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 92.248 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014431.D
Acq: 26 Jun 2023 14:06

Tgt Ion: 75 Resp: 3899
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.549 ug/l

RT: 15.013 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY014431.D

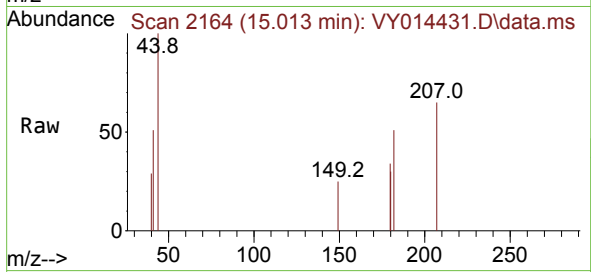
Acq: 26 Jun 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :

WC-1



Tgt Ion:180 Resp: 238

Ion Ratio Lower Upper

180 100

182 73.9 47.0 141.2

145 0.0 14.5 43.5#

