

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014565.D
 Acq On : 05 Jul 2023 17:56
 Operator : KP/MD
 Sample : 03510-19
 Misc : 8.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-WWS-11-GRE

Quant Time: Jul 06 01:35:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	13017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	17046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	14095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4915	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6576	50.783	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.560%
35) Dibromofluoromethane	7.716	113	4579	43.622	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.240%
50) Toluene-d8	10.179	98	19246	46.380	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.760%
62) 4-Bromofluorobenzene	12.477	95	4822	33.465	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.920%

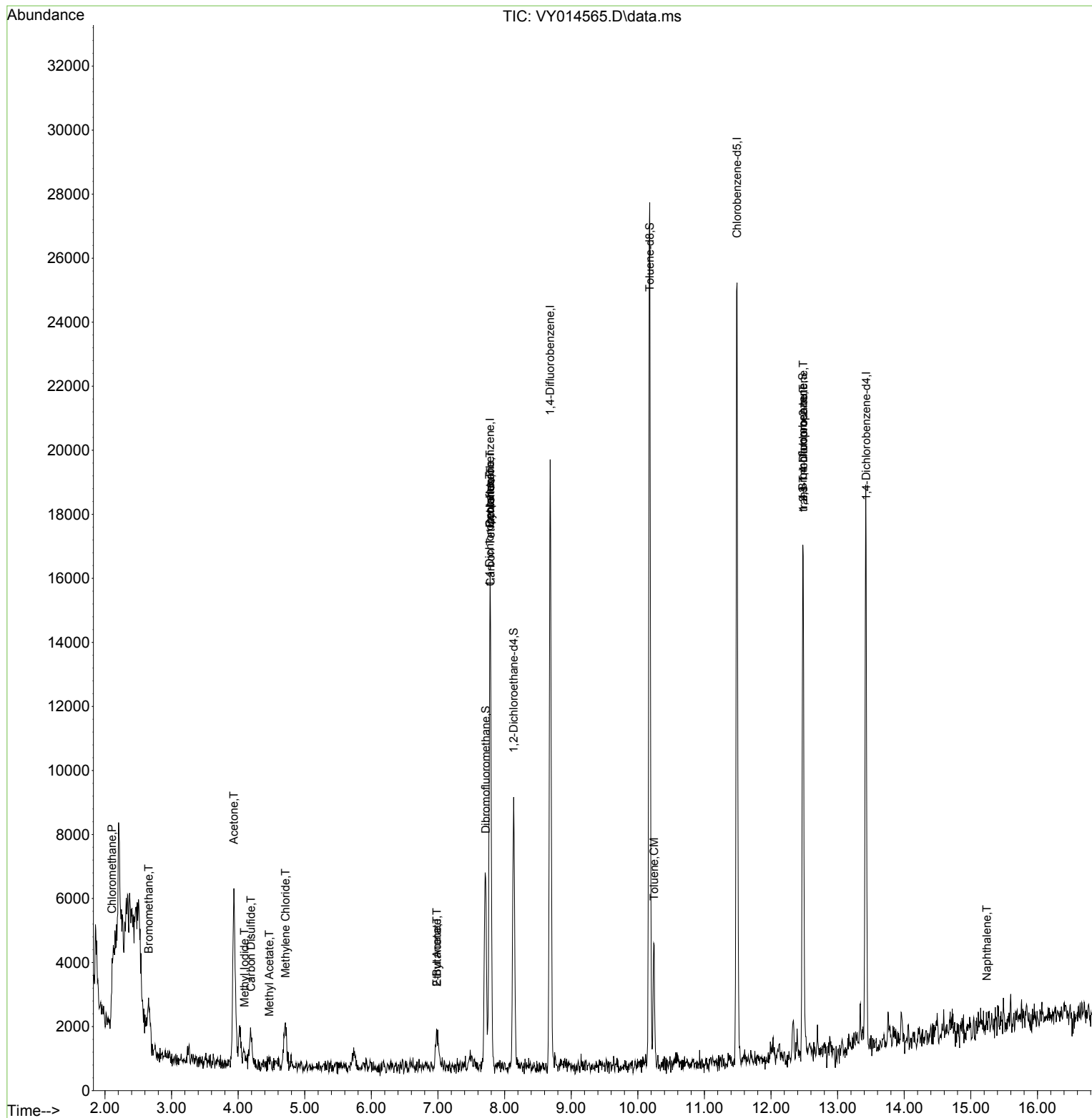
Target Compounds						Qvalue
3) Chloromethane	2.107	50	649	4.305	ug/l #	75
5) Bromomethane	2.656	94	642	4.765	ug/l	96
10) Methyl Iodide	4.094	142	497	3.456	ug/l #	78
11) Tert butyl alcohol	4.948	59	20	Below Cal	#	89
16) Acetone	3.936	43	9410	232.697	ug/l #	82
17) Carbon Disulfide	4.192	76	1295	3.481	ug/l #	81
18) Methyl Acetate	4.466	43	254	1.380	ug/l #	54
20) Methylene Chloride	4.710	84	1140	2.933	ug/l #	57
25) 2-Butanone	6.984	43	2211	36.926	ug/l #	72
31) Cyclohexane	7.783	56	222	1.093	ug/l #	64
36) 1,1-Dichloropropene	7.777	75	941	5.854	ug/l #	41
37) Ethyl Acetate	6.984	43	2211	20.056	ug/l #	71
38) Carbon Tetrachloride	7.789	117	1083	6.454	ug/l #	12
52) Toluene	10.246	92	1641	5.359	ug/l	95
76) 1,2,3-Trichloropropane	12.483	75	2126	36.861	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2126	71.747	ug/l #	10
95) Naphthalene	15.239	128	296	1.383	ug/l #	69

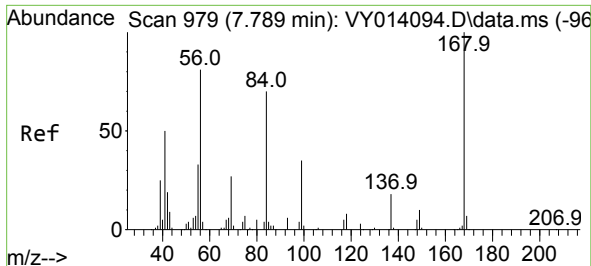
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 06 01:35:55 2023
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Quant Title : SW846 8260
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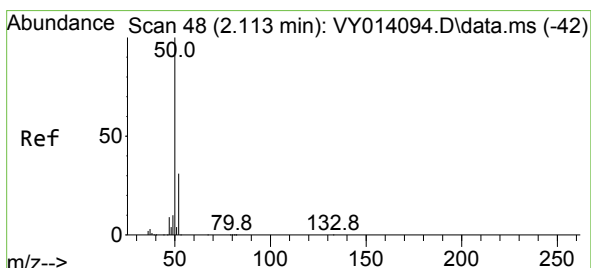
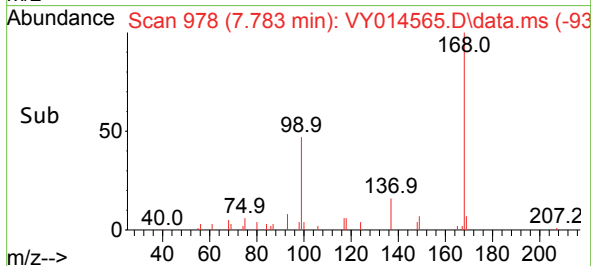
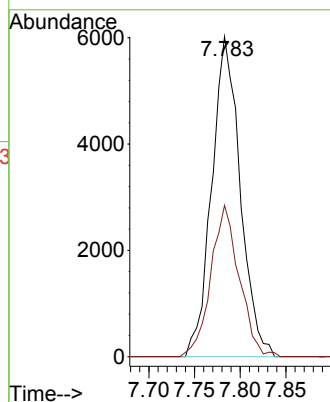
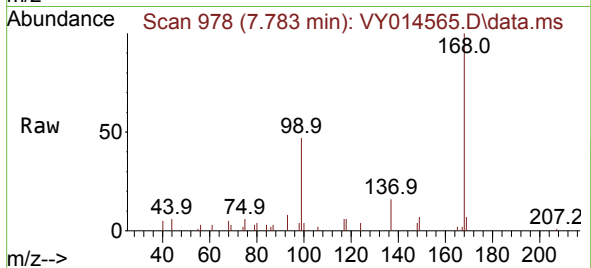




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

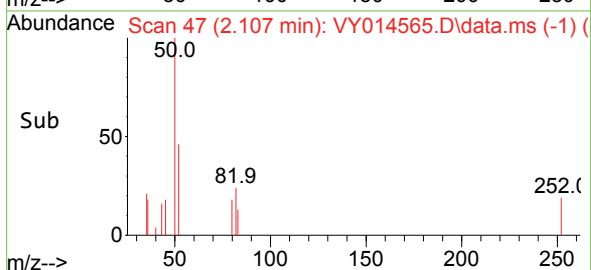
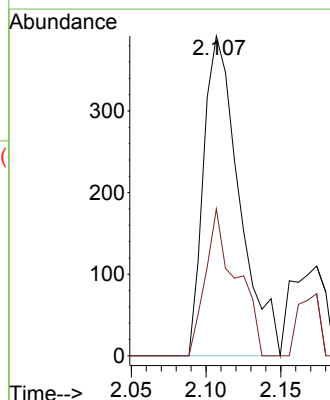
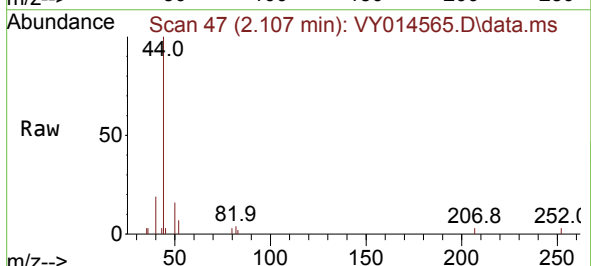
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-GRE

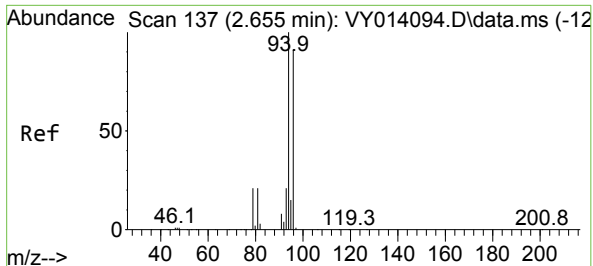
Tgt Ion:168 Resp: 13017
Ion Ratio Lower Upper
168 100
99 47.3 43.4 65.0



#3
Chloromethane
Concen: 4.305 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

Tgt Ion: 50 Resp: 649
Ion Ratio Lower Upper
50 100
52 45.9 25.4 38.2#

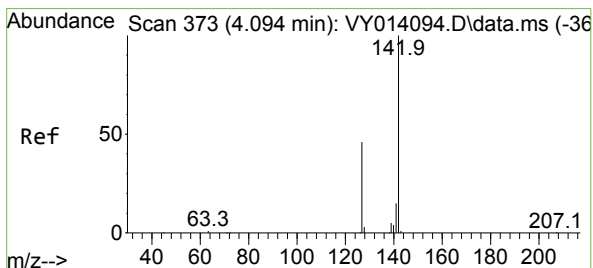
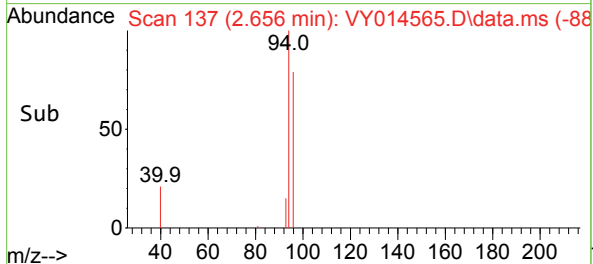
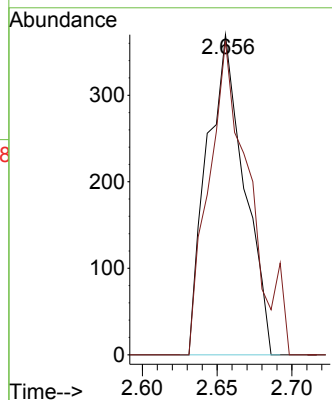
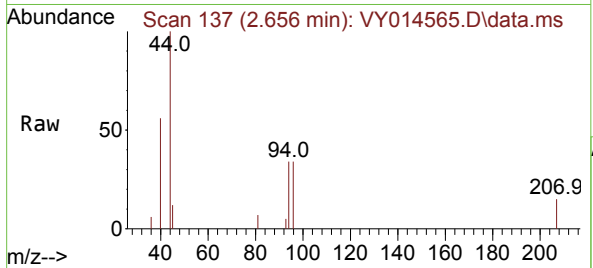




#5
Bromomethane
Concen: 4.765 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

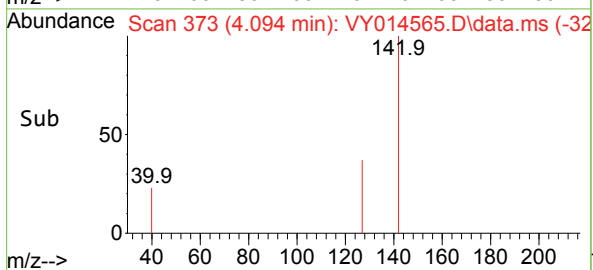
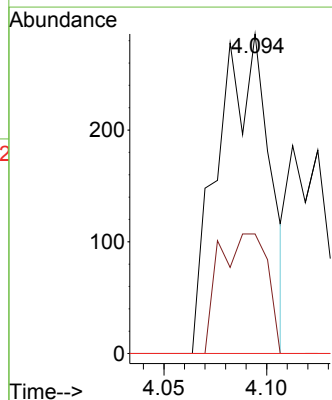
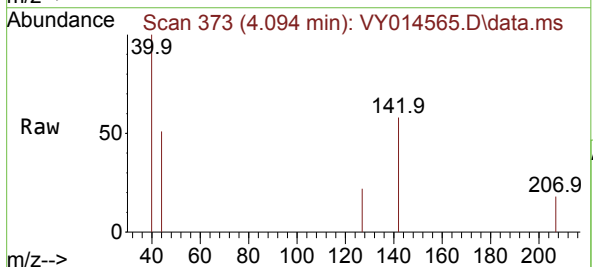
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-GRE

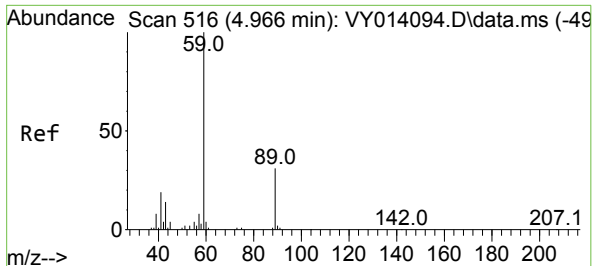
Tgt Ion: 94 Resp: 642
Ion Ratio Lower Upper
94 100
96 98.1 75.8 113.6



#10
Methyl Iodide
Concen: 3.456 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

Tgt Ion:142 Resp: 497
Ion Ratio Lower Upper
142 100
127 35.0 37.6 56.4#
141 0.0 11.8 17.8#

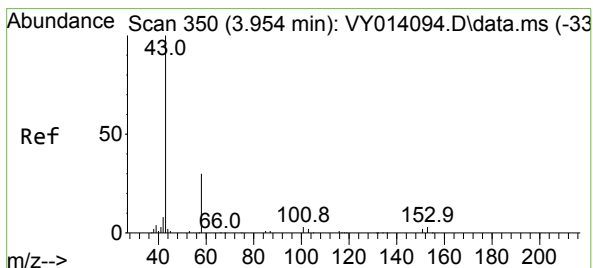
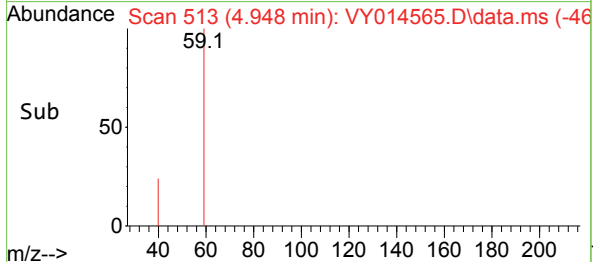
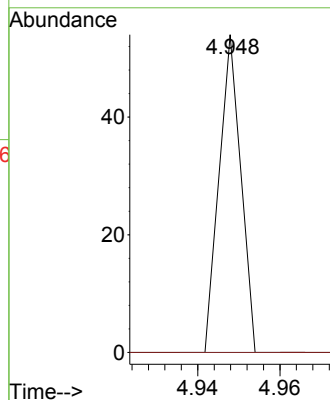
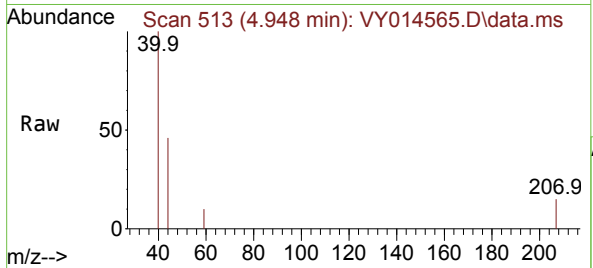




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 516
Delta R.T. -0.018 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

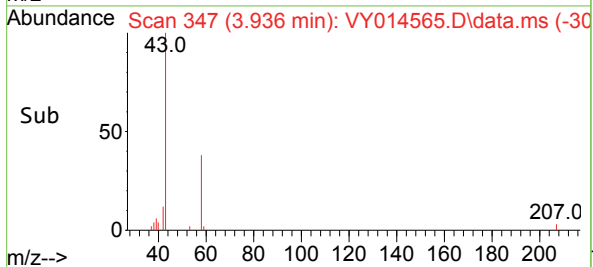
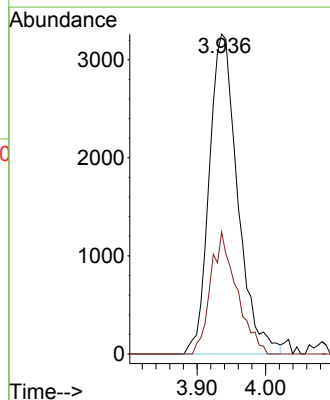
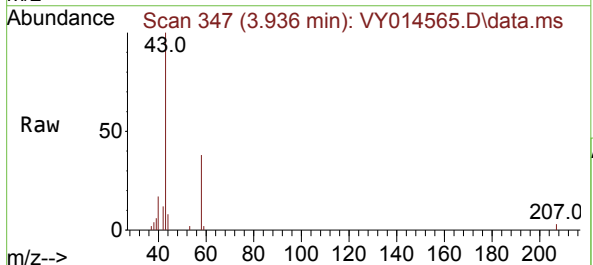
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-GRE

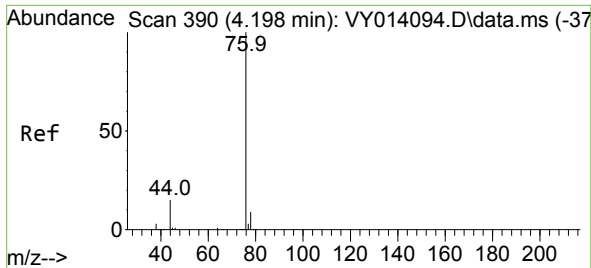
Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 232.697 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.018 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

Tgt Ion: 43 Resp: 9410
Ion Ratio Lower Upper
43 100
58 38.1 22.7 34.1#

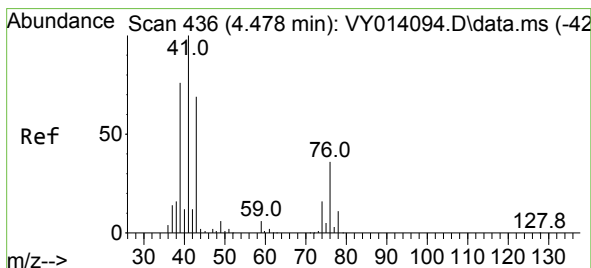
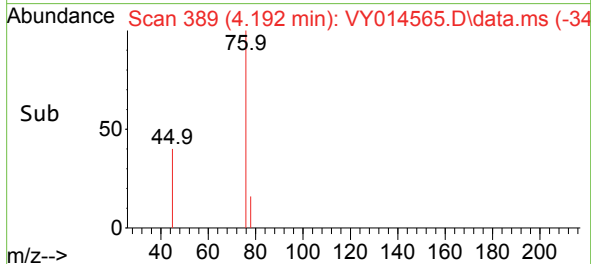
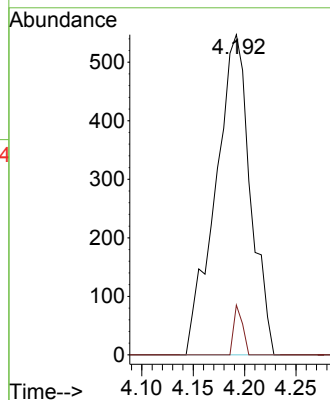
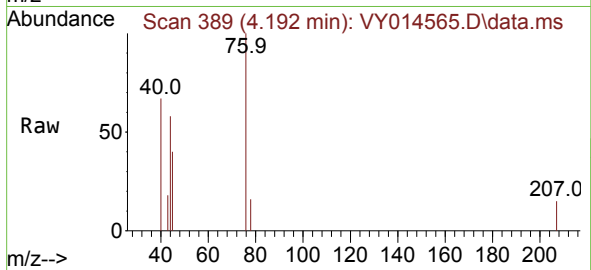




#17
Carbon Disulfide
Concen: 3.481 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

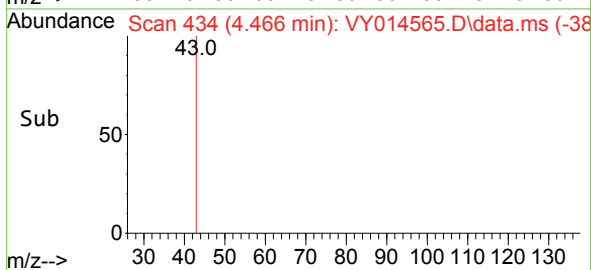
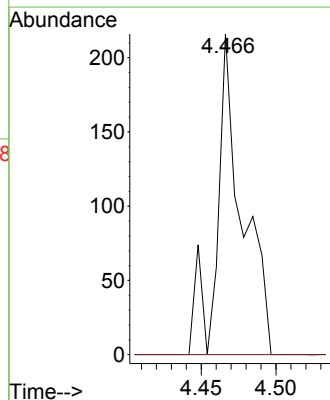
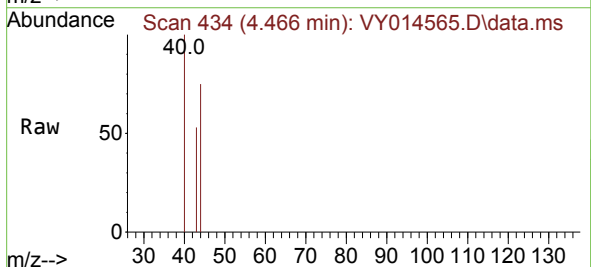
Instrument :
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ClientSampleId :
WC-WWS-11-GRE

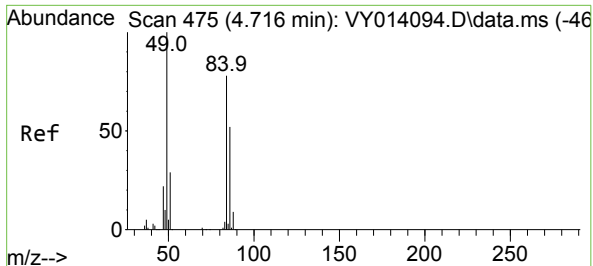
Tgt Ion: 76 Resp: 1295
Ion Ratio Lower Upper
76 100
78 15.5 7.0 10.4#



#18
Methyl Acetate
Concen: 1.380 ug/l
RT: 4.466 min Scan# 434
Delta R.T. -0.012 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#

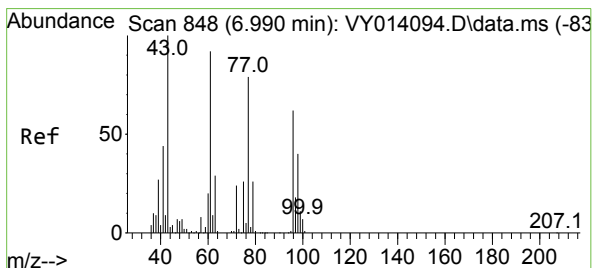
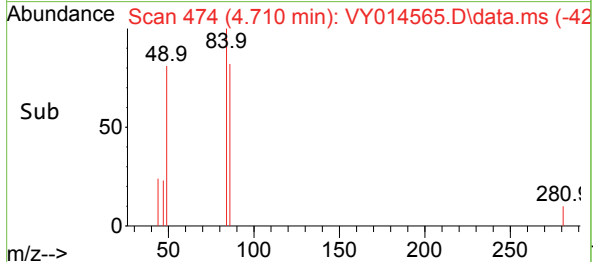
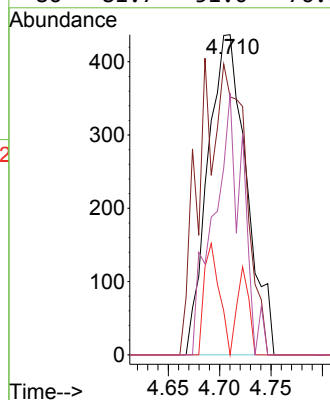
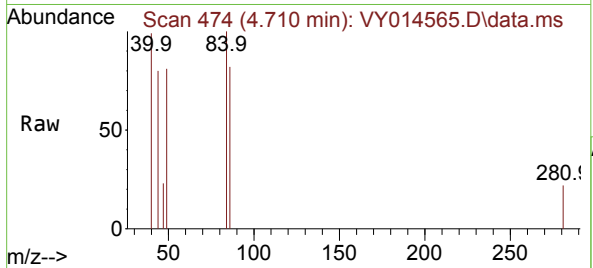




#20
Methylene Chloride
Concen: 2.933 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

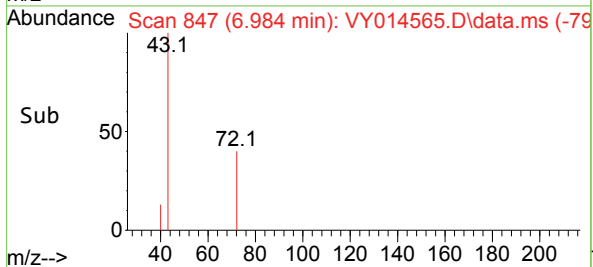
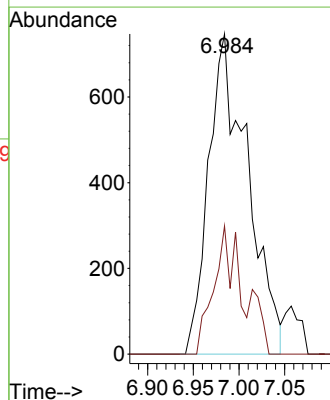
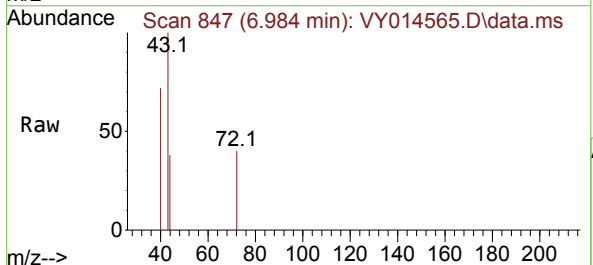
Instrument :
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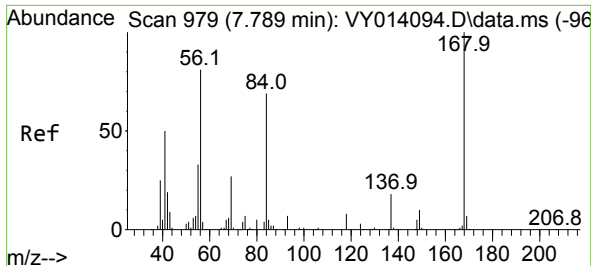
Tgt Ion: 84 Resp: 1140
Ion Ratio Lower Upper
84 100
49 80.5 106.9 160.3#
51 0.0 33.2 49.8#
86 81.7 51.0 76.6#



#25
2-Butanone
Concen: 36.926 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

Tgt Ion: 43 Resp: 2211
Ion Ratio Lower Upper
43 100
72 40.0 20.5 30.7#

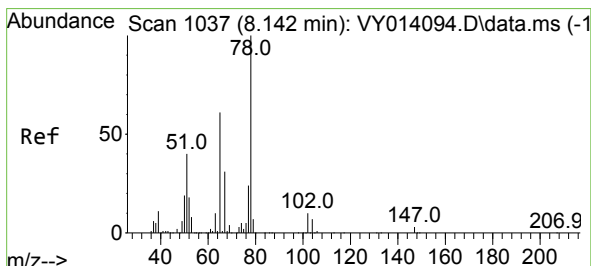
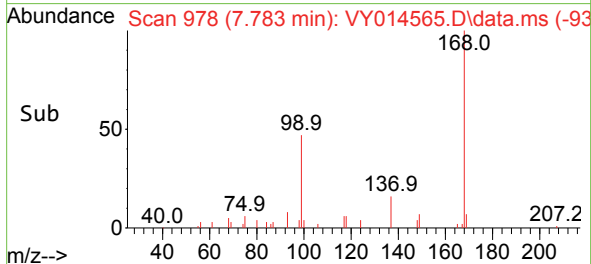
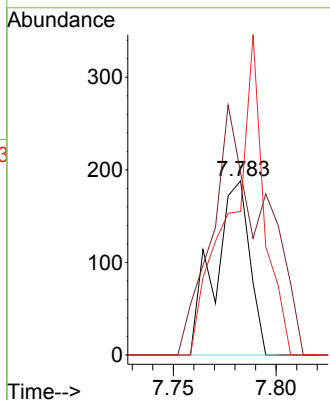
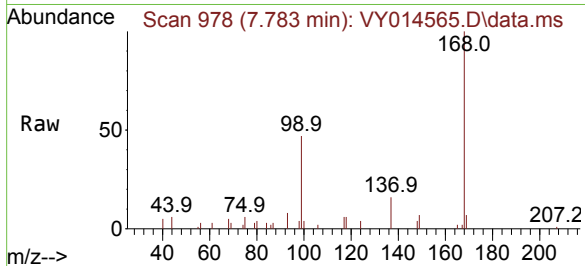




#31
Cyclohexane
Concen: 1.093 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

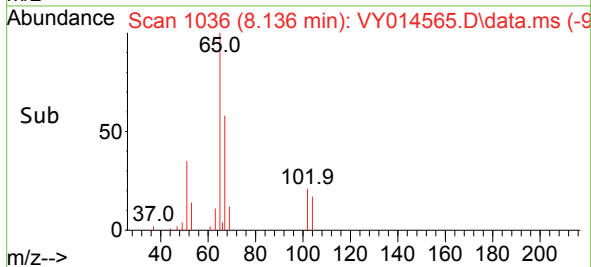
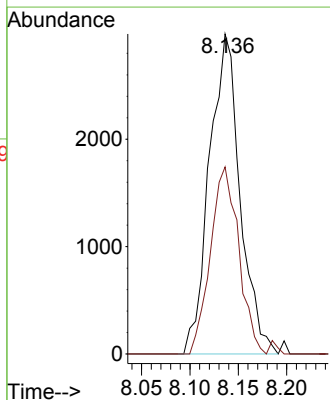
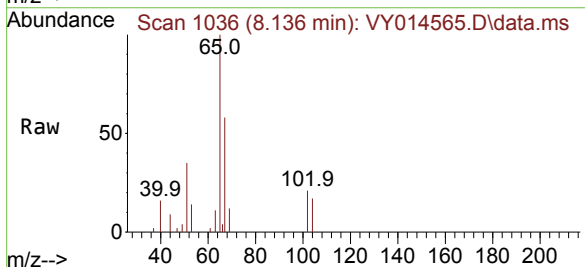
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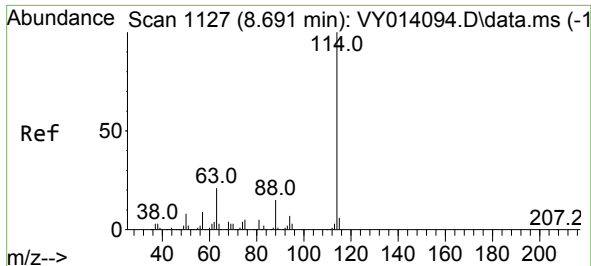
Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
69 104.8 27.8 41.6#
84 82.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 50.783 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

Tgt Ion: 65 Resp: 6576
Ion Ratio Lower Upper
65 100
67 53.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY014565.D

Acq: 05 Jul 2023 17:56

Instrument :

MSVOA_Y

ClientSampleId :

WC-WWS-11-GRE

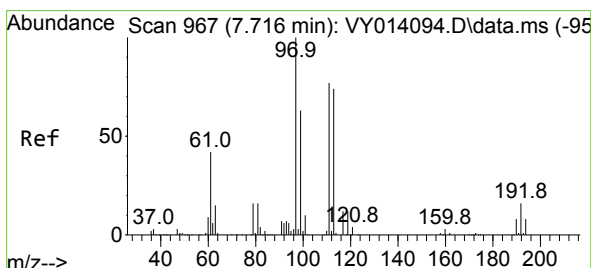
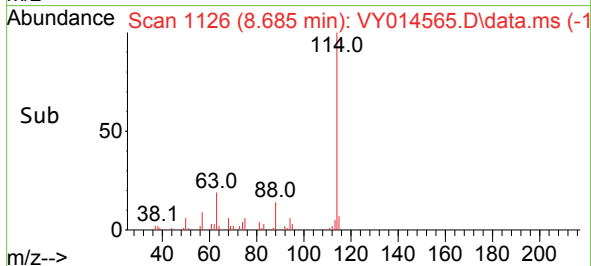
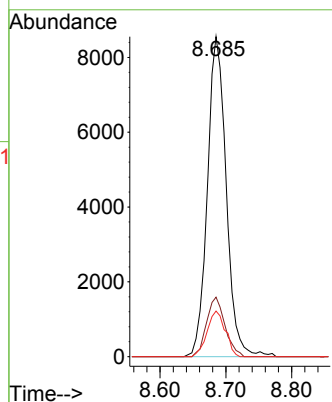
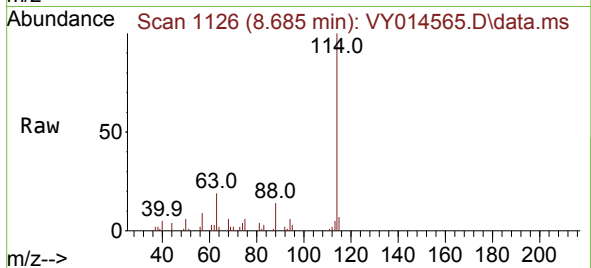
Tgt Ion:114 Resp: 17046

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 43.622 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014565.D

Acq: 05 Jul 2023 17:56

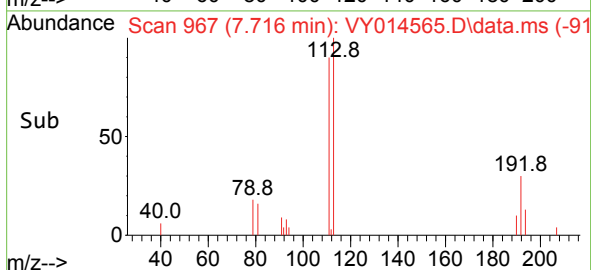
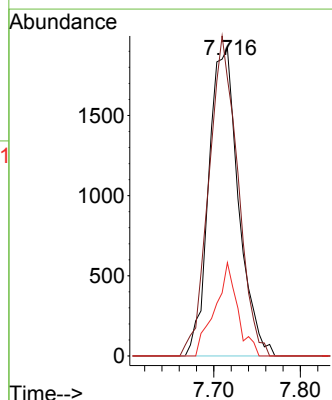
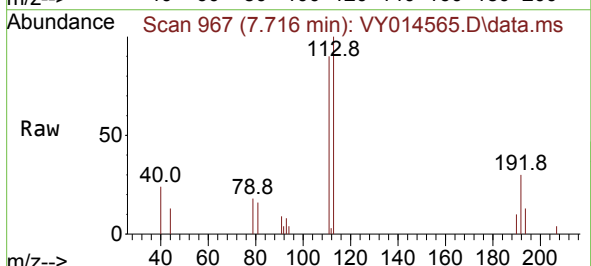
Tgt Ion:113 Resp: 4579

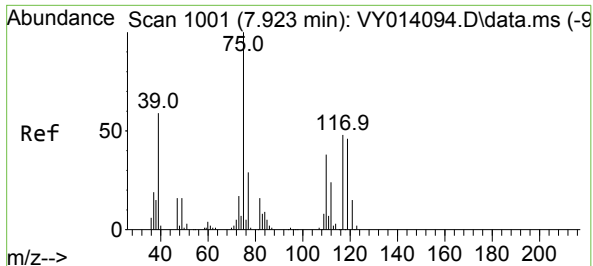
Ion Ratio Lower Upper

113 100

111 101.2 81.3 121.9

192 23.1 16.9 25.3

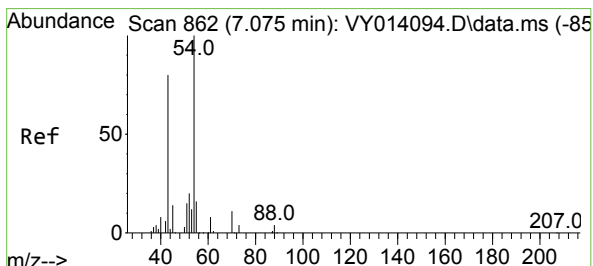
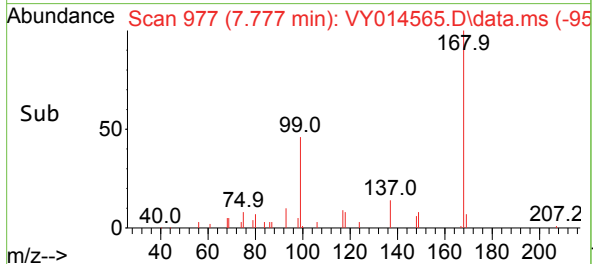
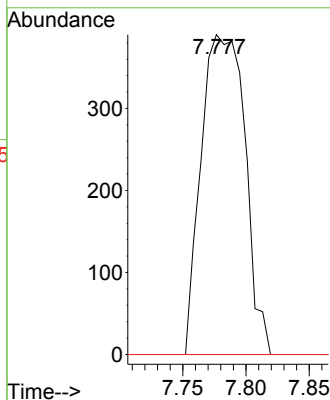
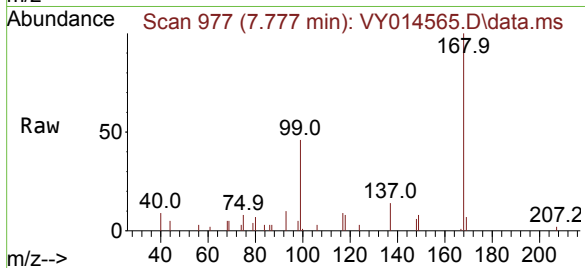




#36
1,1-Dichloropropene
Concen: 5.854 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.146 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

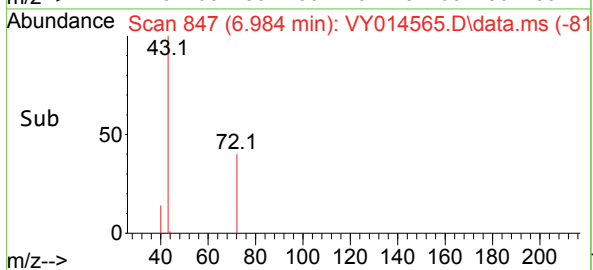
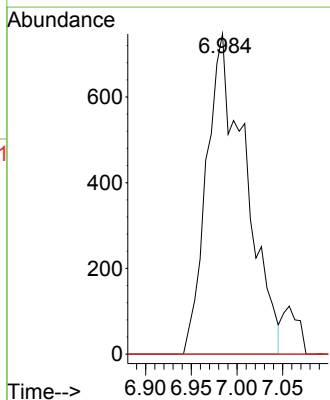
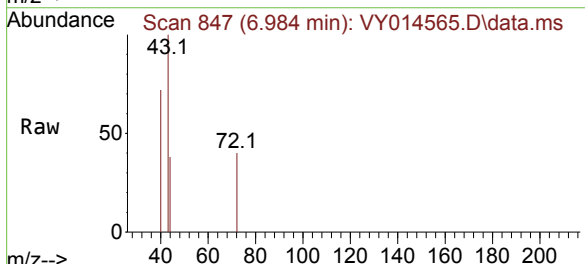
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-GRE

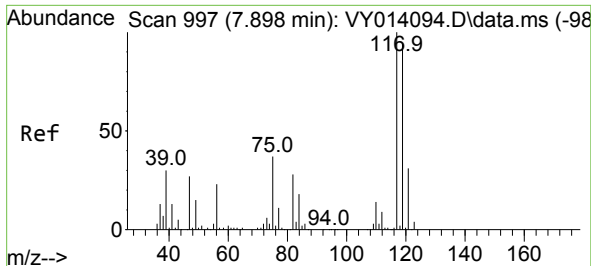
Tgt Ion: 75 Resp: 941
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 20.056 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.091 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

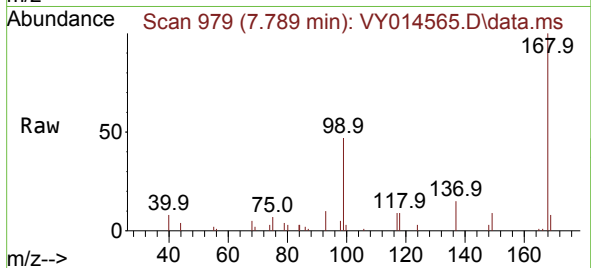
Tgt Ion: 43 Resp: 2211
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



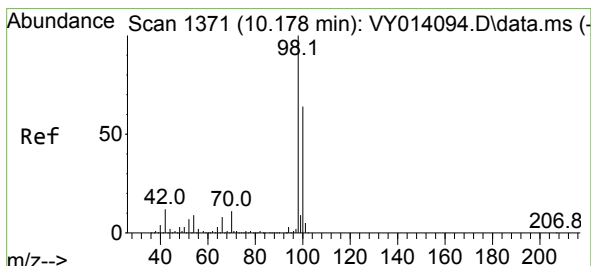
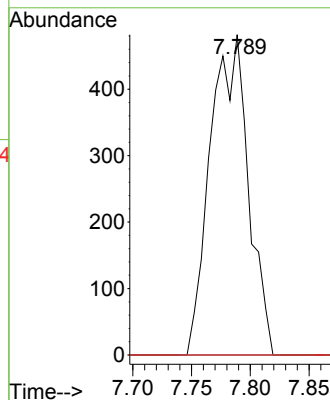
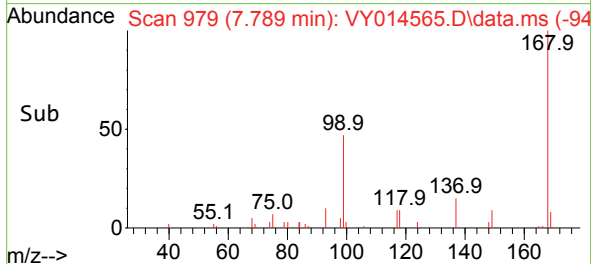


#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-GRE

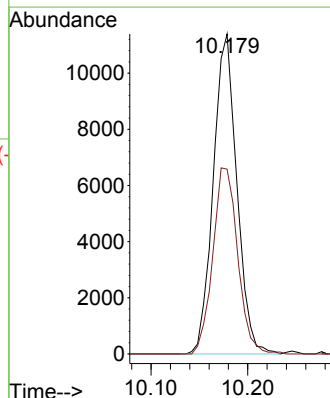
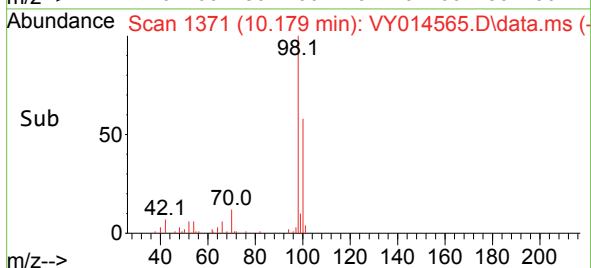
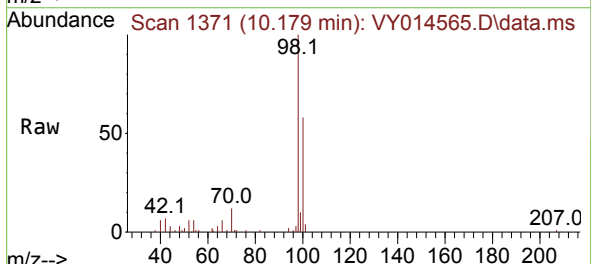


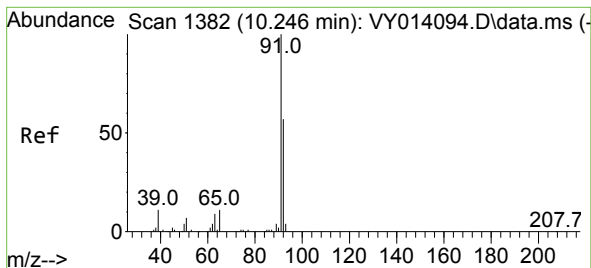
Tgt Ion:117 Resp: 1083
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.380 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

Tgt Ion: 98 Resp: 19246
Ion Ratio Lower Upper
98 100
100 61.5 50.1 75.1





#52

Toluene

Concen: 5.359 ug/l

RT: 10.246 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014565.D

Acq: 05 Jul 2023 17:56

Instrument :

MSVOA_Y

ClientSampleId :

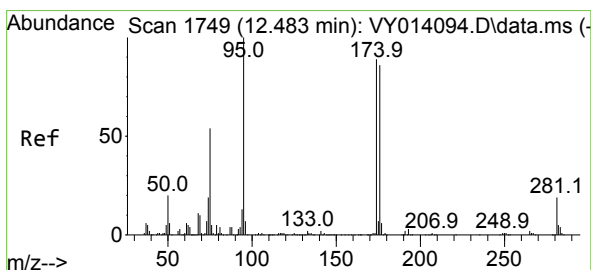
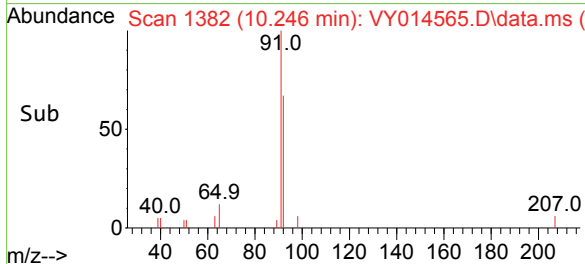
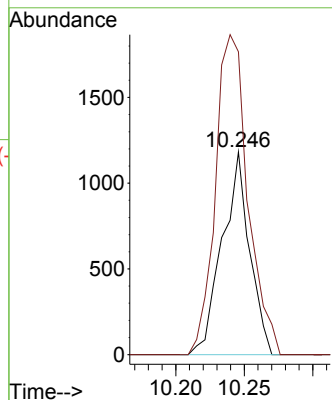
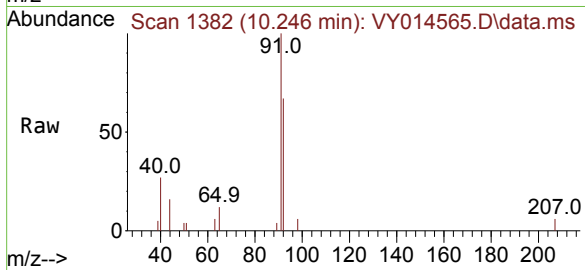
WC-WWS-11-GRE

Tgt Ion: 92 Resp: 1641

Ion Ratio Lower Upper

92 100

91 187.3 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 33.465 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014565.D

Acq: 05 Jul 2023 17:56

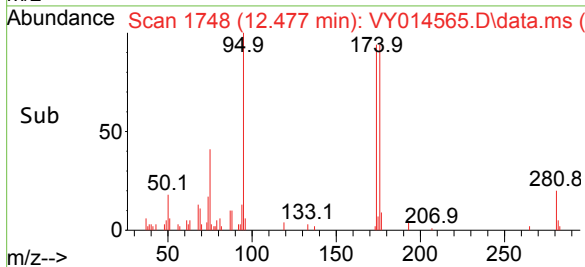
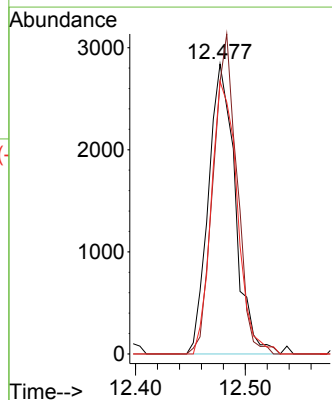
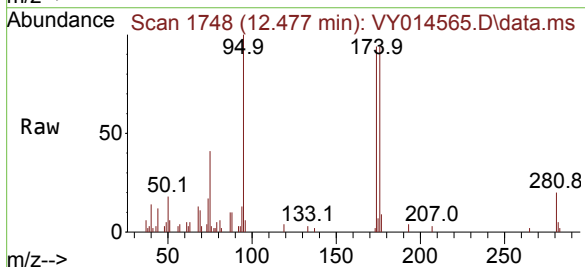
Tgt Ion: 95 Resp: 4822

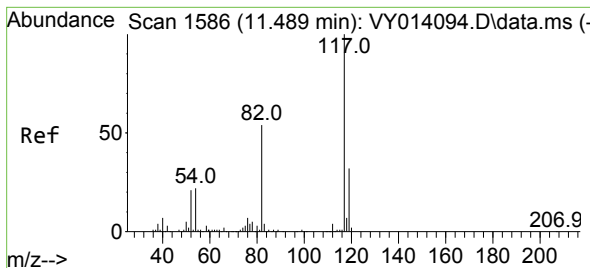
Ion Ratio Lower Upper

95 100

174 97.4 0.0 178.2

176 91.5 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: VY014565.D

Acq: 05 Jul 2023 17:56

Instrument :

MSVOA_Y

ClientSampleId :

WC-WWS-11-GRE

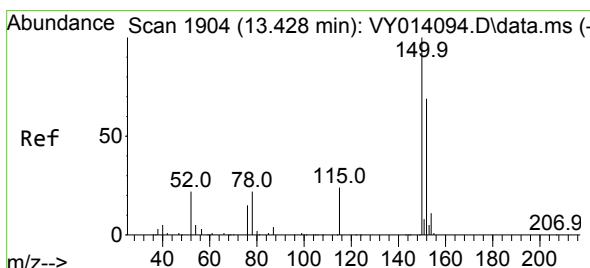
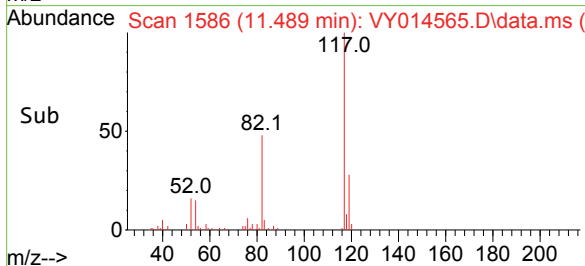
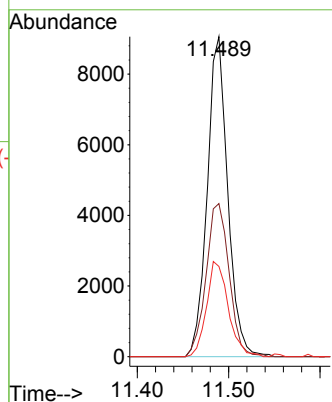
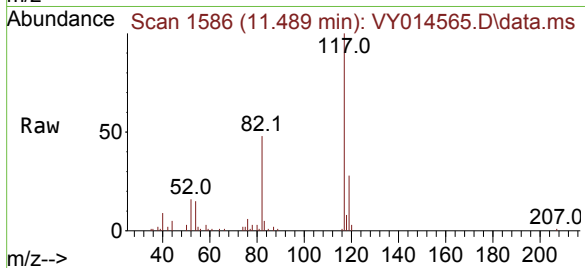
Tgt Ion:117 Resp: 14095

Ion Ratio Lower Upper

117 100

82 47.9 43.4 65.0

119 28.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014565.D

Acq: 05 Jul 2023 17:56

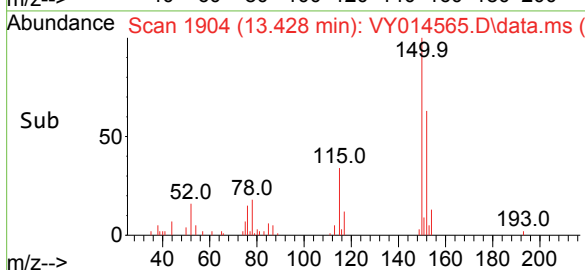
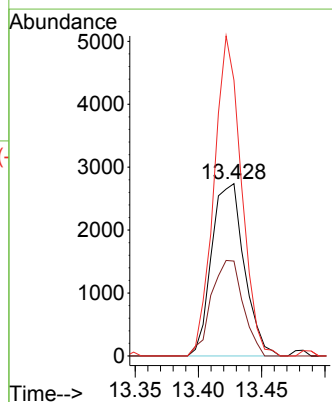
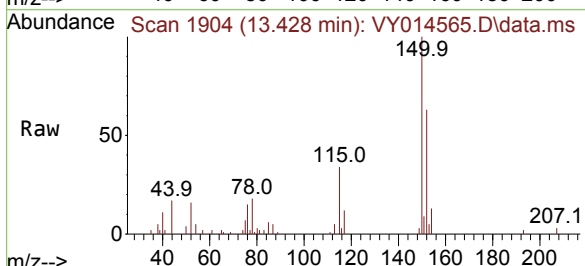
Tgt Ion:152 Resp: 4915

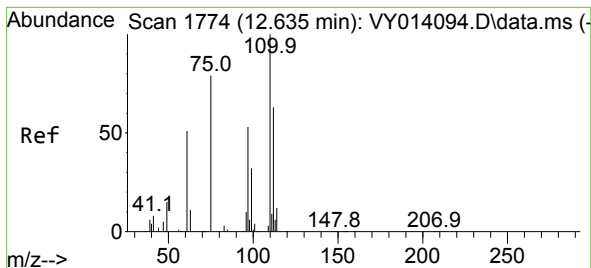
Ion Ratio Lower Upper

152 100

115 53.9 28.8 86.5

150 155.8 0.0 348.8

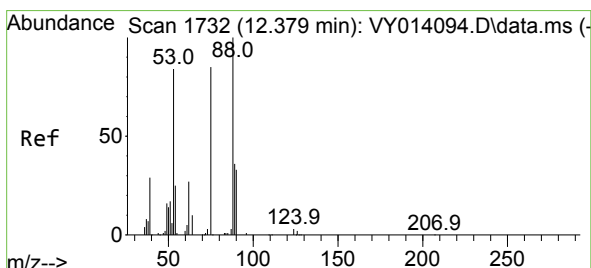
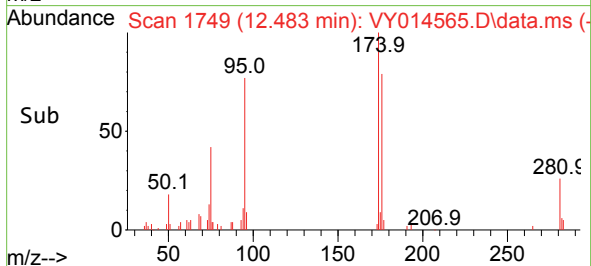
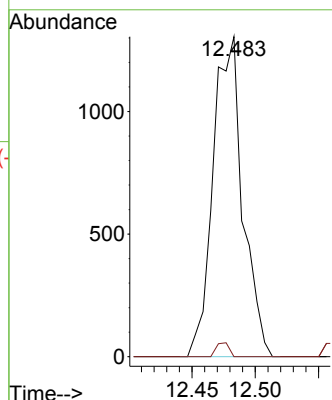
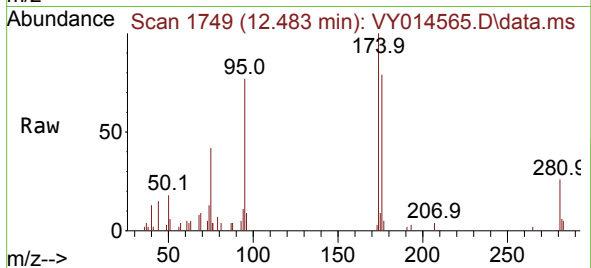




#76
1,2,3-Trichloropropane
Concen: 36.861 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

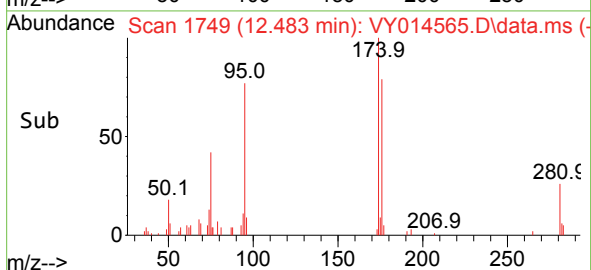
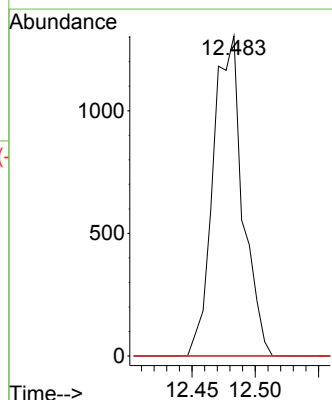
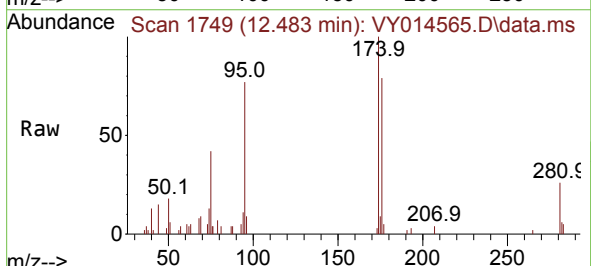
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-GRE

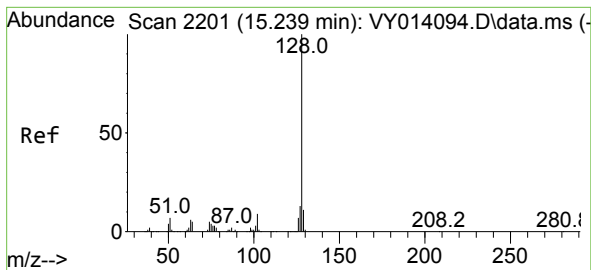
Tgt Ion: 75 Resp: 2126
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.747 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

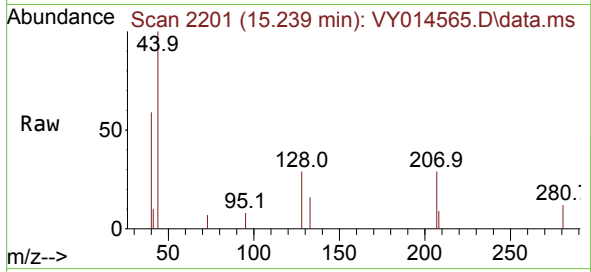
Tgt Ion: 75 Resp: 2126
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 1.383 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY014565.D
Acq: 05 Jul 2023 17:56

Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-GRE



Tgt Ion:128 Resp: 296
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

