

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070323\
 Data File : VY014538.D
 Acq On : 03 Jul 2023 16:20
 Operator : KP/MD
 Sample : 03510-19
 Misc : 9.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jul 04 03:02:32 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)

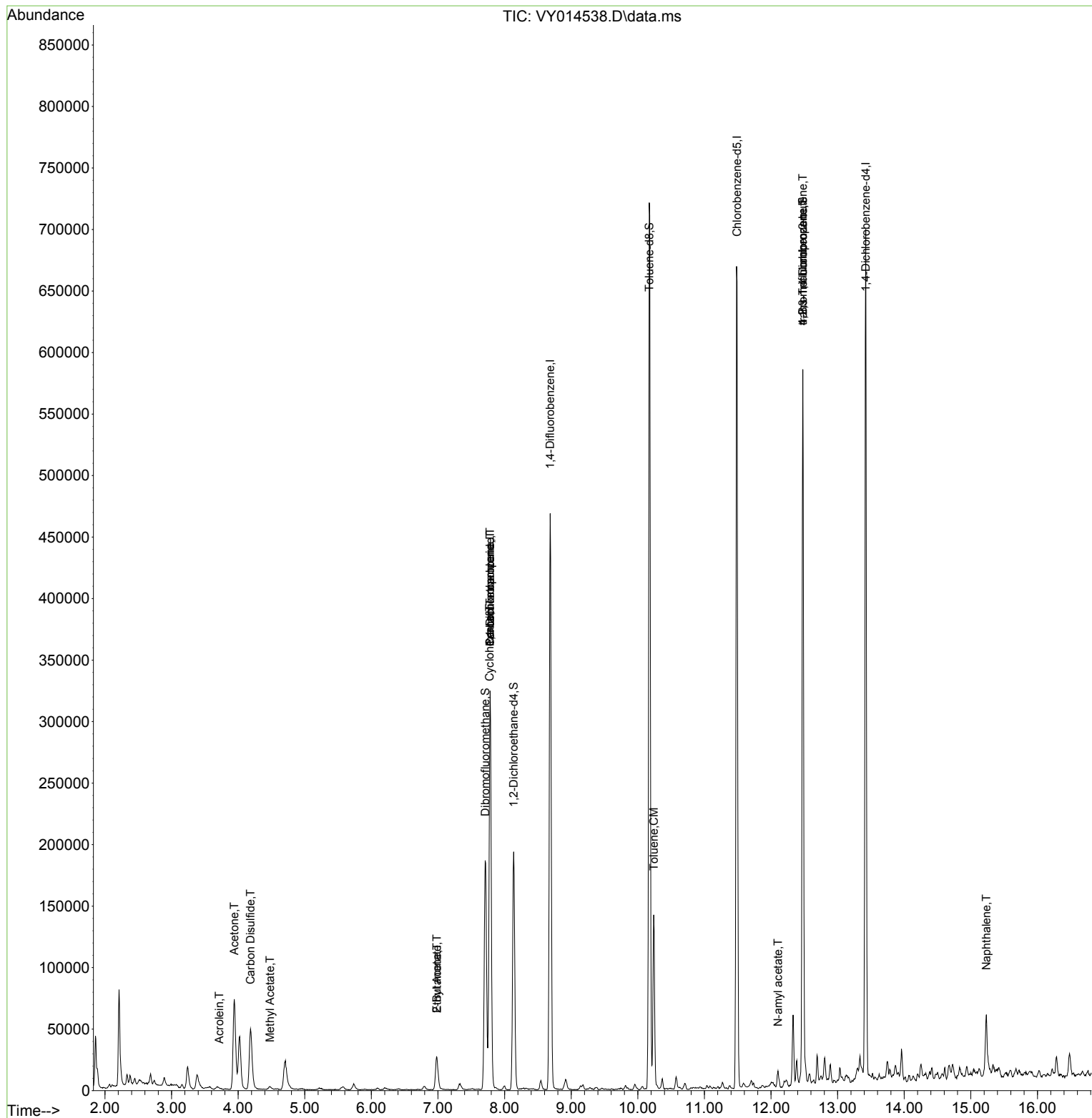
Internal Standards						
1) Pentafluorobenzene	7.783	168	276759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	431037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	404032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	190076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	151862	55.159	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.320%	
35) Dibromofluoromethane	7.710	113	138093	52.025	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.060%	
50) Toluene-d8	10.173	98	505331	48.159	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.320%	
62) 4-Bromofluorobenzene	12.477	95	172400	47.316	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	25	Below Cal	#	43
11) Tert butyl alcohol	4.942	59	865	Below Cal	#	89
13) Acrolein	3.716	56	993	2.234	ug/l #	14
16) Acetone	3.942	43	126152	146.725	ug/l #	84
17) Carbon Disulfide	4.186	76	89894	11.364	ug/l	99
18) Methyl Acetate	4.479	43	4582	1.171	ug/l #	89
25) 2-Butanone	6.984	43	43271	33.989	ug/l	96
31) Cyclohexane	7.777	56	4917	1.138	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17033	4.190	ug/l #	51
37) Ethyl Acetate	6.984	43	43271	15.522	ug/l #	71
38) Carbon Tetrachloride	7.783	117	23189	5.465	ug/l #	16
52) Toluene	10.240	92	62147	8.026	ug/l	96
74) N-amyl acetate	12.105	43	7477	1.990	ug/l #	59
76) 1,2,3-Trichloropropane	12.477	75	79370	35.584	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	79370	69.262	ug/l #	11
95) Naphthalene	15.233	128	42753	5.167	ug/l	99

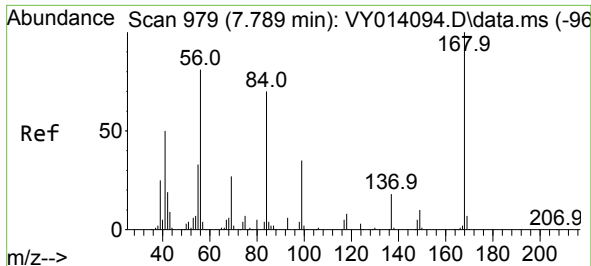
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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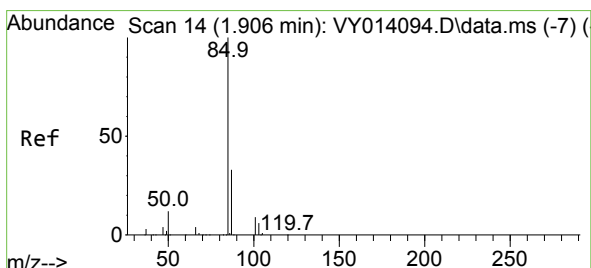
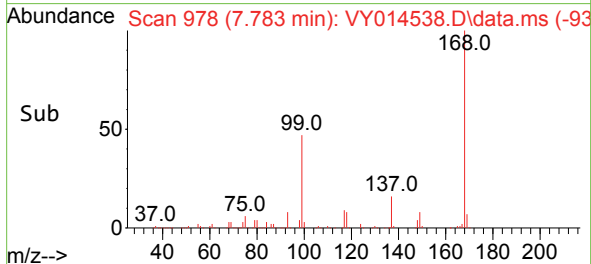
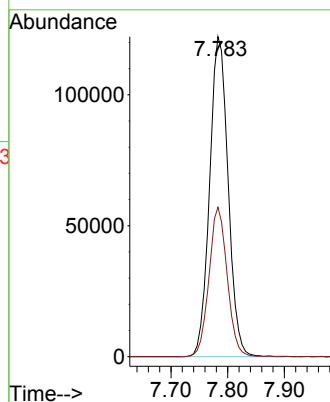
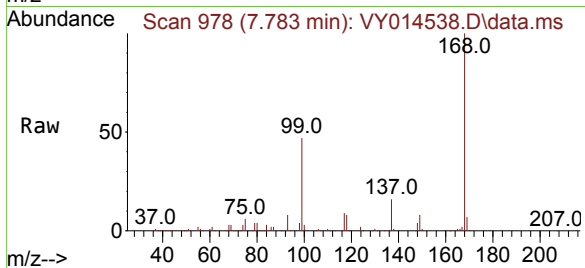




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

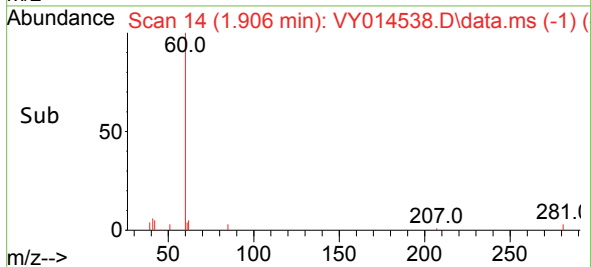
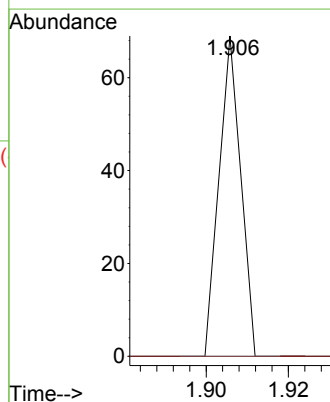
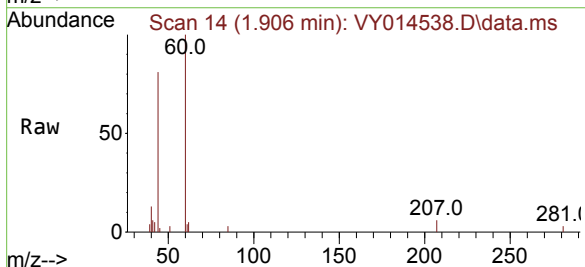
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-G

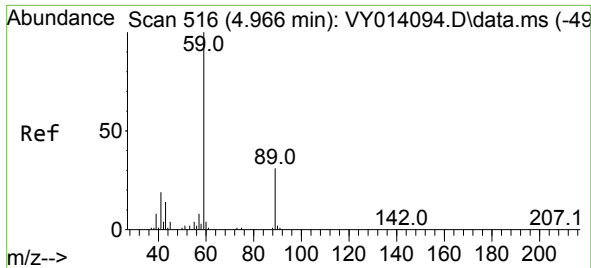
Tgt Ion:168 Resp: 276759
Ion Ratio Lower Upper
168 100
99 46.7 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

Tgt Ion: 85 Resp: 25
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

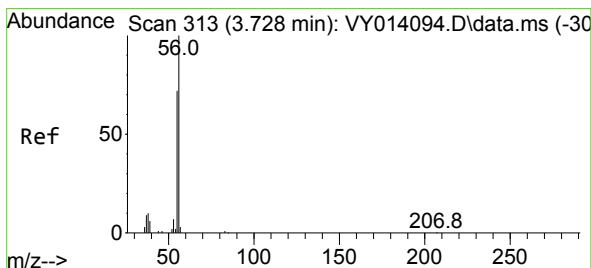
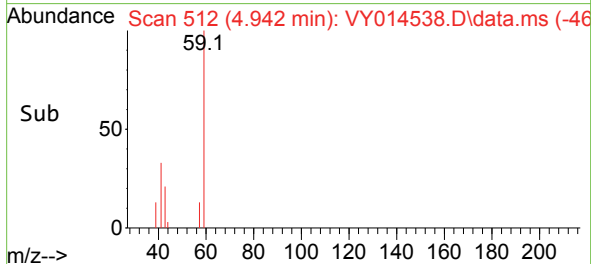
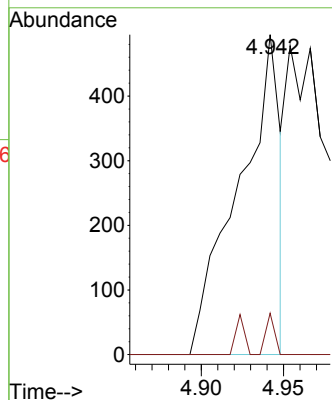
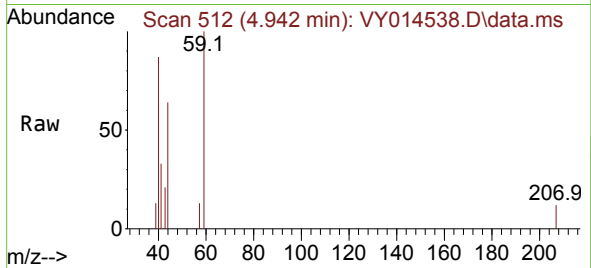




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 516
Delta R.T. -0.024 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

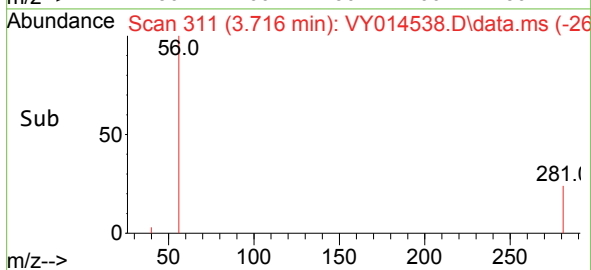
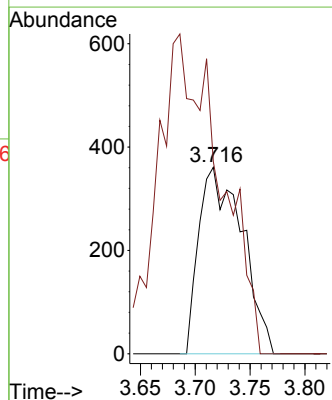
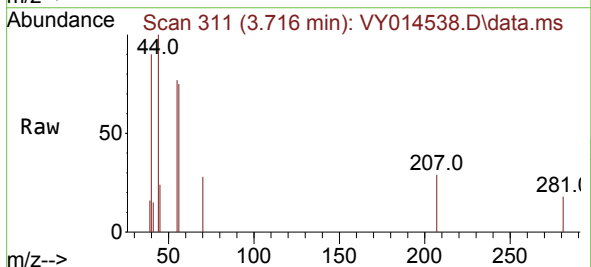
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-G

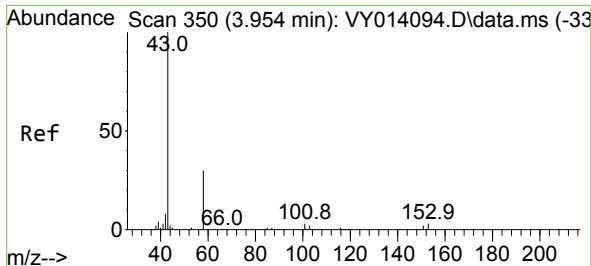
Tgt Ion: 59 Resp: 865
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: 2.234 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

Tgt Ion: 56 Resp: 993
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 146.725 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY014538.D

Acq: 03 Jul 2023 16:20

Instrument :

MSVOA_Y

ClientSampleId :

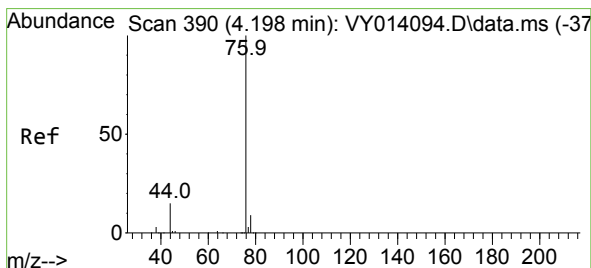
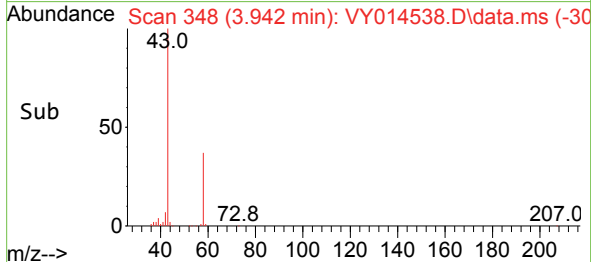
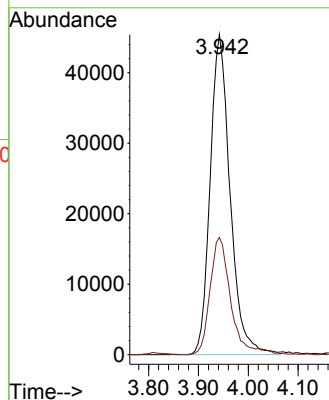
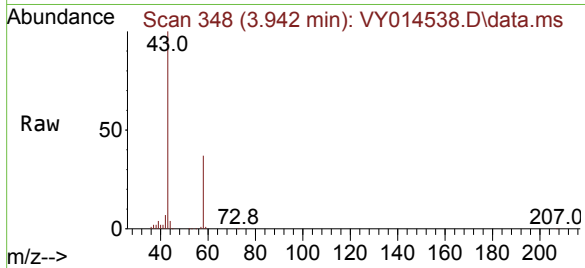
WC-WWS-11-G

Tgt Ion: 43 Resp: 126152

Ion Ratio Lower Upper

43 100

58 36.7 22.7 34.1#



#17

Carbon Disulfide

Concen: 11.364 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.012 min

Lab File: VY014538.D

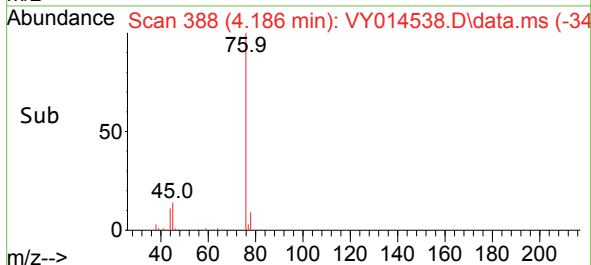
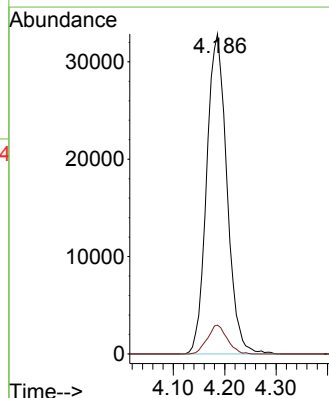
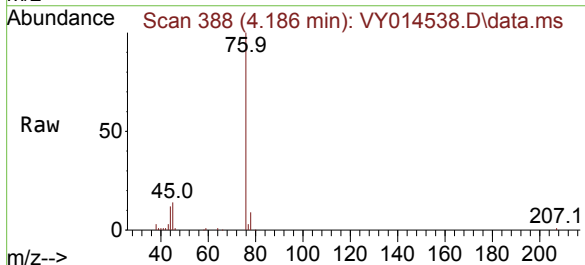
Acq: 03 Jul 2023 16:20

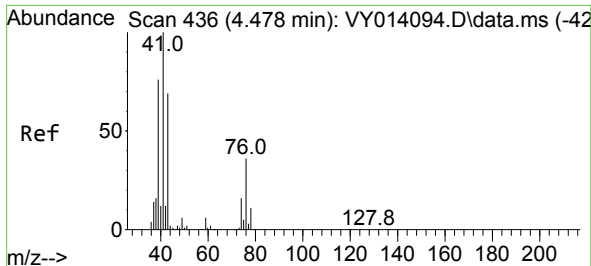
Tgt Ion: 76 Resp: 89894

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

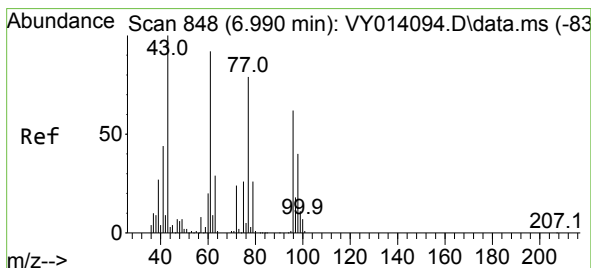
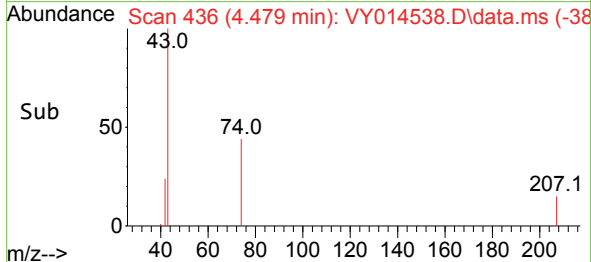
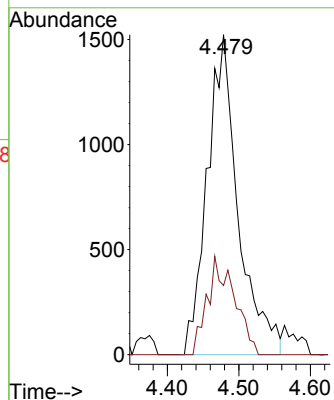
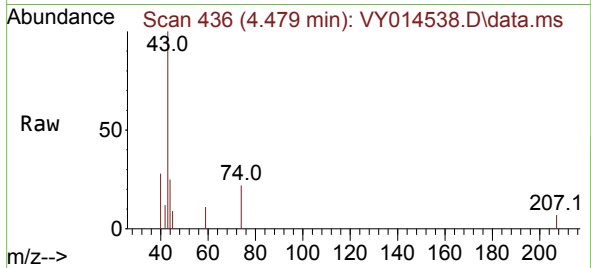




#18
Methyl Acetate
Concen: 1.171 ug/l
RT: 4.479 min Scan# 41
Delta R.T. 0.001 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

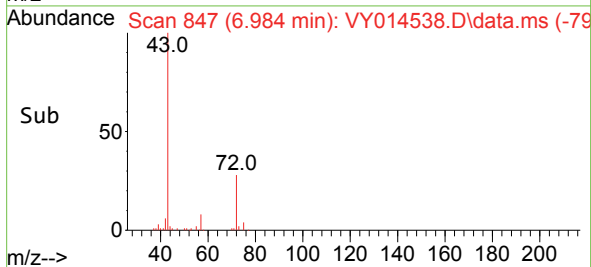
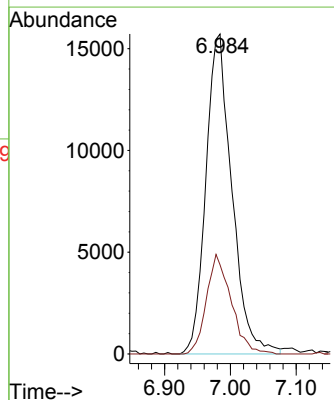
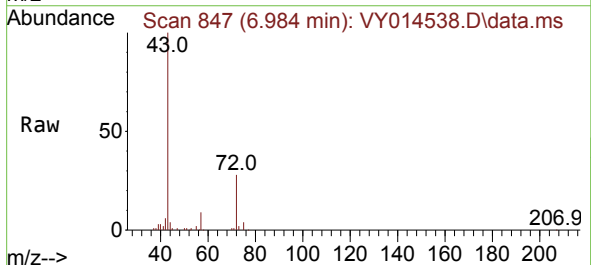
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-G

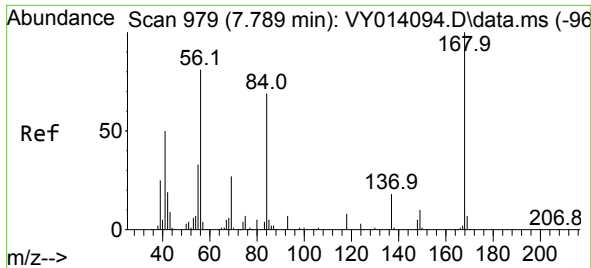
Tgt Ion: 43 Resp: 4582
Ion Ratio Lower Upper
43 100
74 27.0 17.4 26.0#



#25
2-Butanone
Concen: 33.989 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

Tgt Ion: 43 Resp: 43271
Ion Ratio Lower Upper
43 100
72 27.8 20.5 30.7

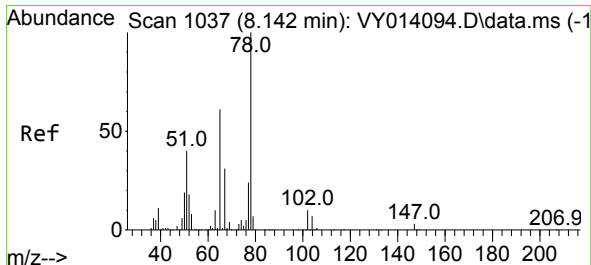
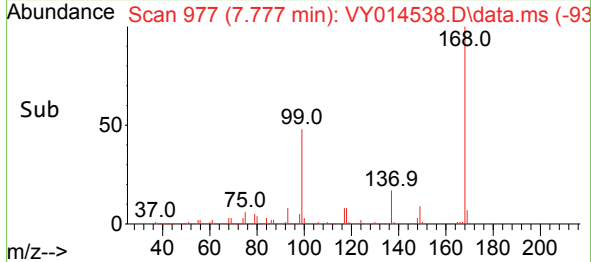
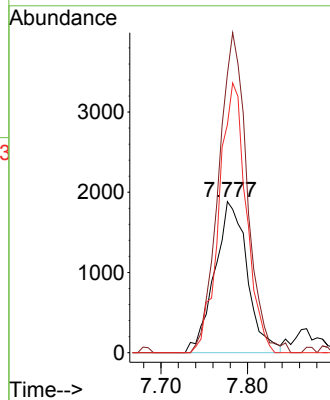
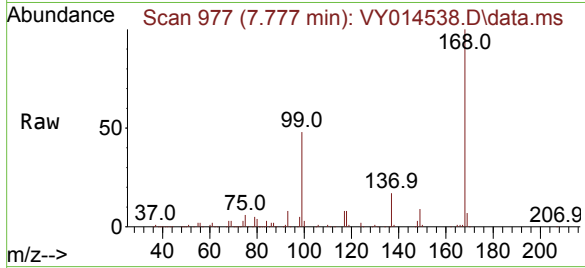




#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

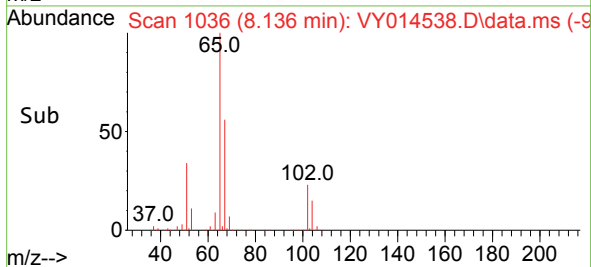
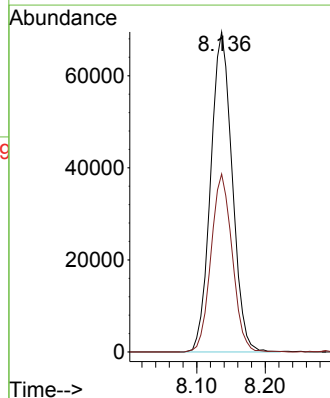
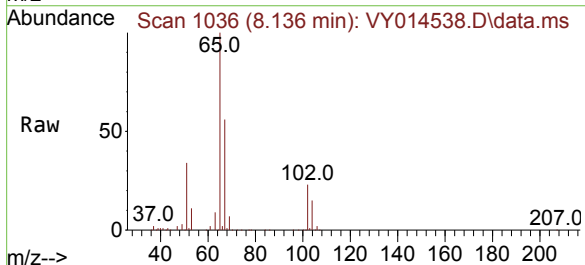
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-G

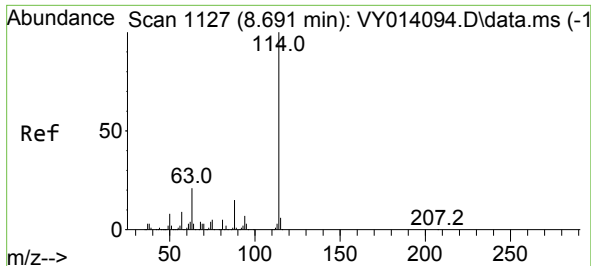
Tgt Ion: 56 Resp: 4917
Ion Ratio Lower Upper
56 100
69 184.4 27.8 41.6#
84 151.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.159 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

Tgt Ion: 65 Resp: 151862
Ion Ratio Lower Upper
65 100
67 54.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014538.D

Acq: 03 Jul 2023 16:20

Instrument :

MSVOA_Y

ClientSampleId :

WC-WWS-11-G

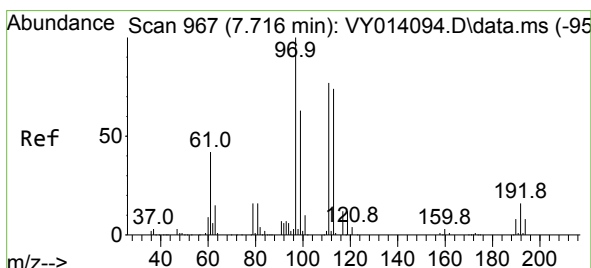
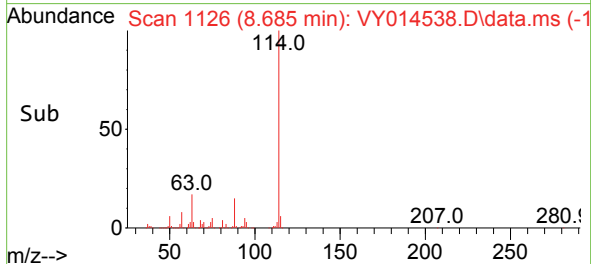
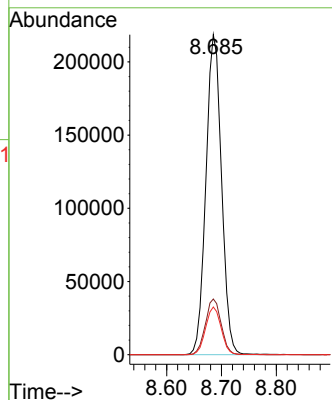
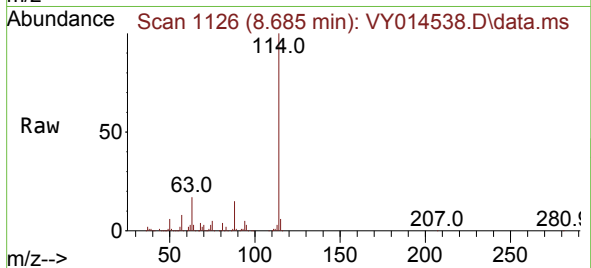
Tgt Ion:114 Resp: 431037

Ion Ratio Lower Upper

114 100

63 17.4 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.025 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014538.D

Acq: 03 Jul 2023 16:20

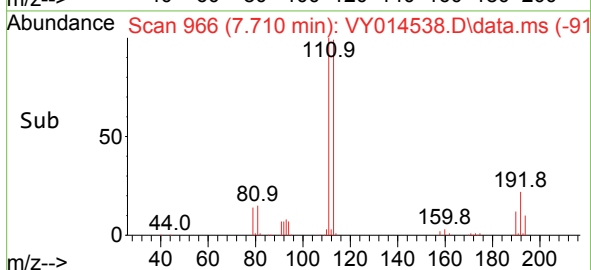
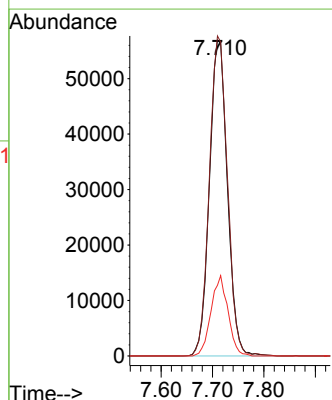
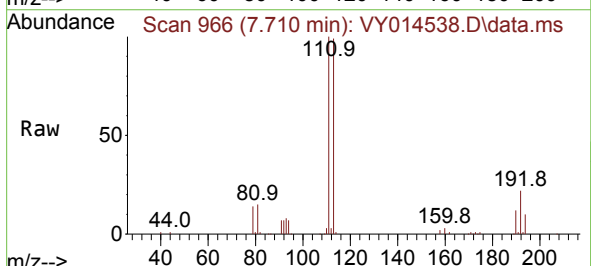
Tgt Ion:113 Resp: 138093

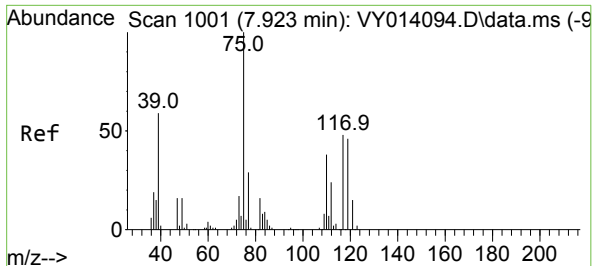
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

192 24.0 16.9 25.3

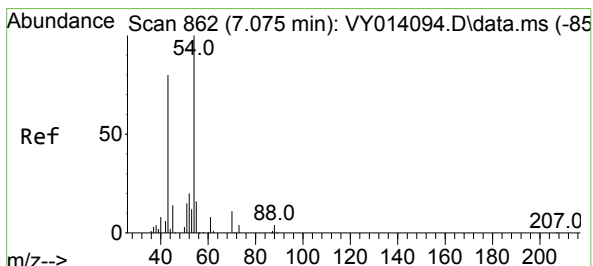
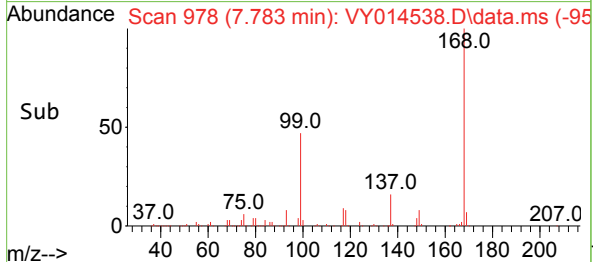
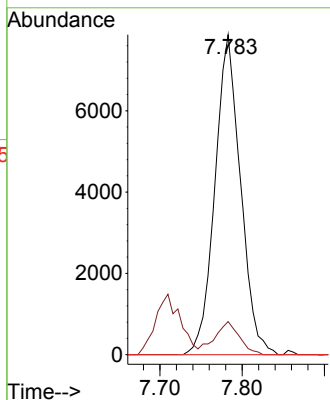
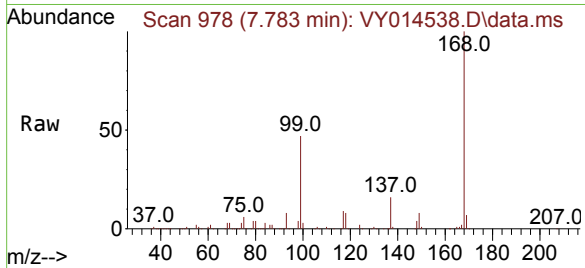




#36
1,1-Dichloropropene
Concen: 4.190 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

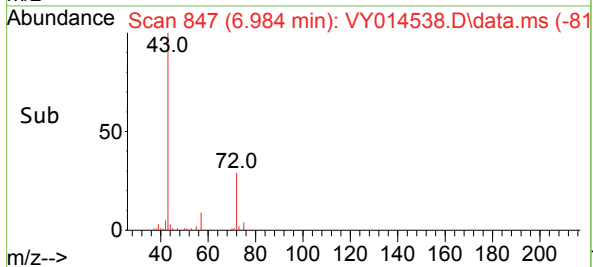
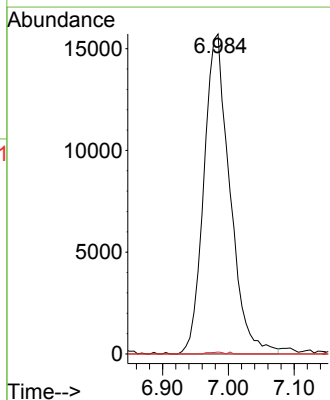
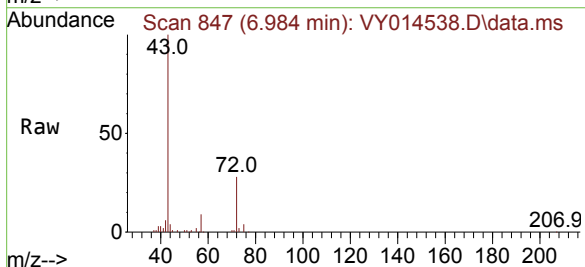
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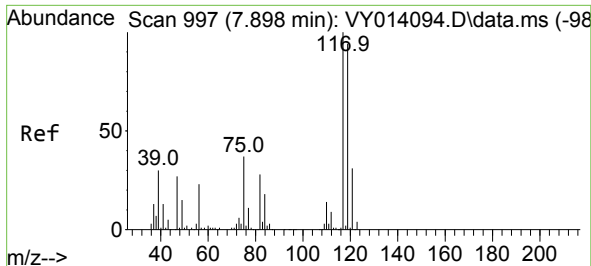
Tgt Ion: 75 Resp: 17033
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 15.522 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.091 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

Tgt Ion: 43 Resp: 43271
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.3 7.1 10.7#

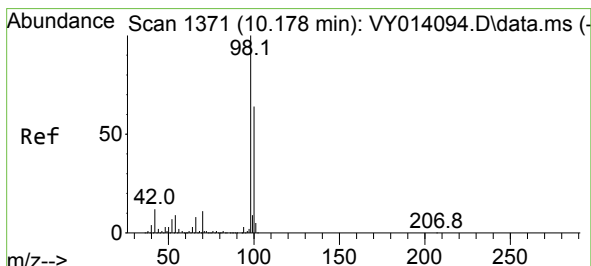
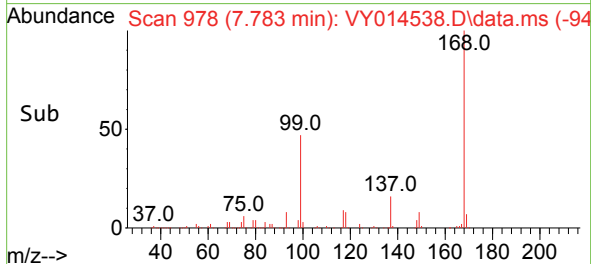
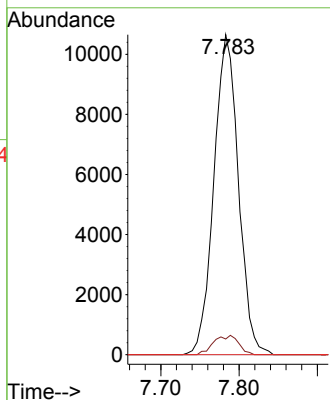
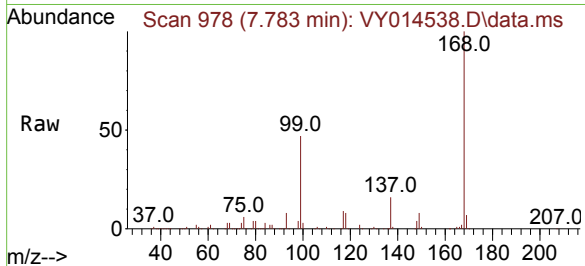




#38
Carbon Tetrachloride
Concen: 5.465 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

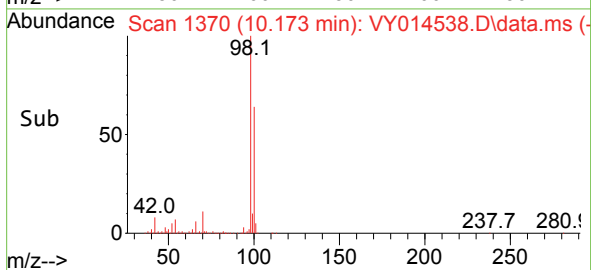
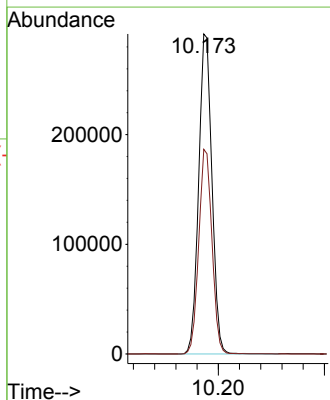
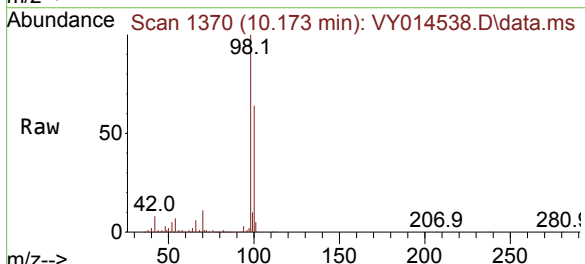
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-G

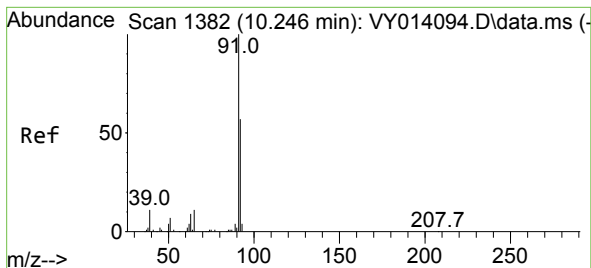
Tgt Ion:117 Resp: 23189
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.159 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.005 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

Tgt Ion: 98 Resp: 505331
Ion Ratio Lower Upper
98 100
100 63.7 50.1 75.1





#52

Toluene

Concen: 8.026 ug/l

RT: 10.240 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014538.D

Acq: 03 Jul 2023 16:20

Instrument :

MSVOA_Y

ClientSampleId :

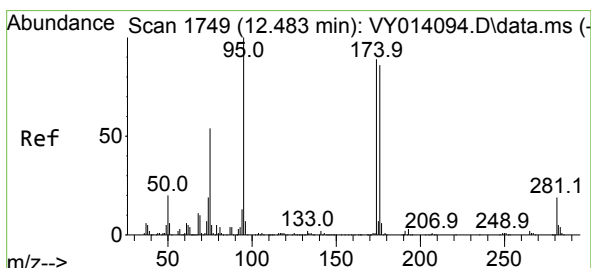
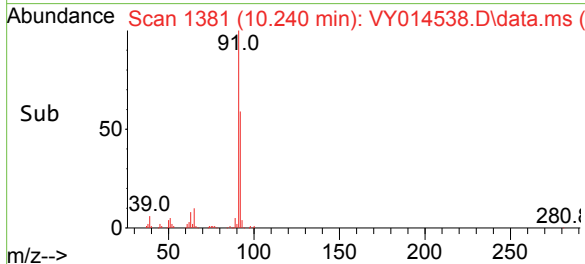
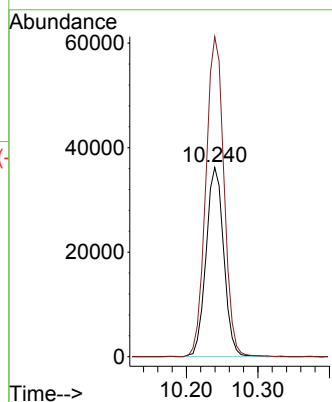
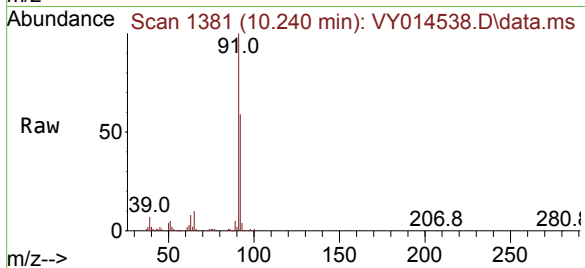
WC-WWS-11-G

Tgt Ion: 92 Resp: 62147

Ion Ratio Lower Upper

92 100

91 173.5 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 47.316 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014538.D

Acq: 03 Jul 2023 16:20

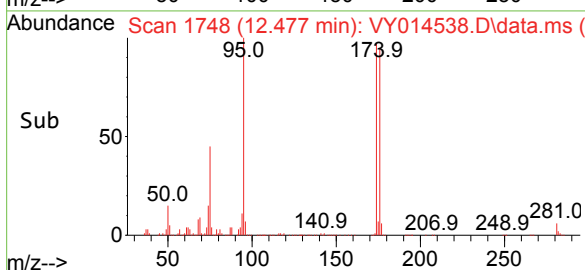
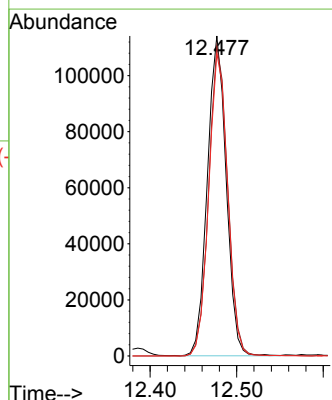
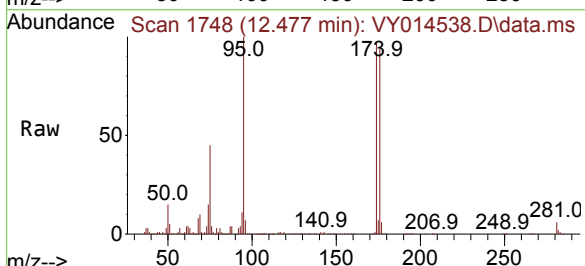
Tgt Ion: 95 Resp: 172400

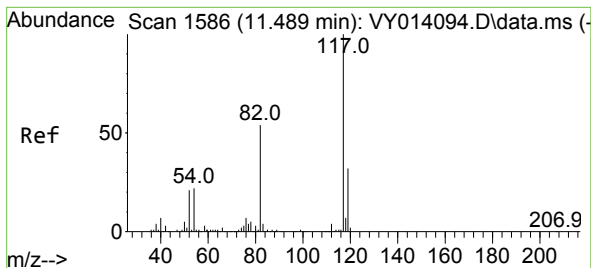
Ion Ratio Lower Upper

95 100

174 97.4 0.0 178.2

176 94.9 0.0 173.8

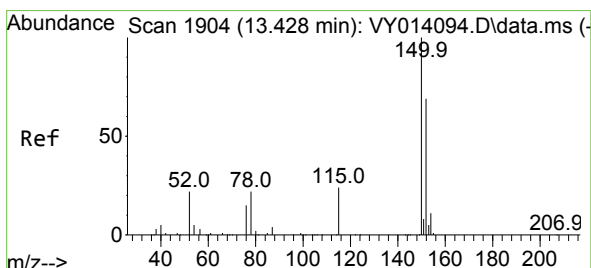
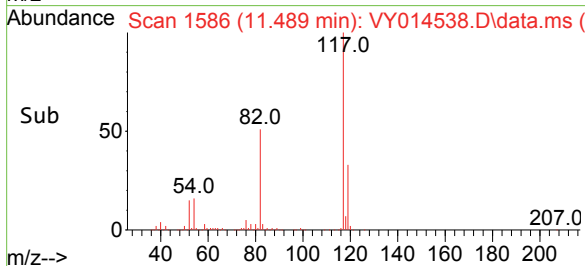
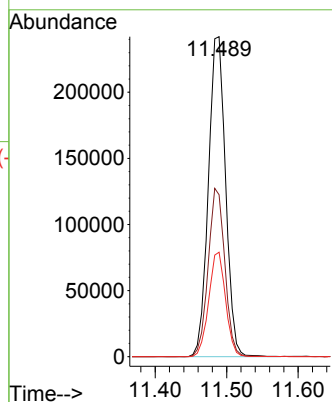
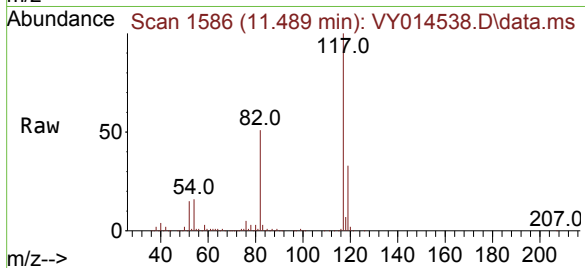




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

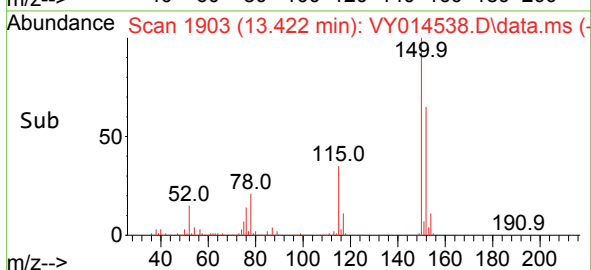
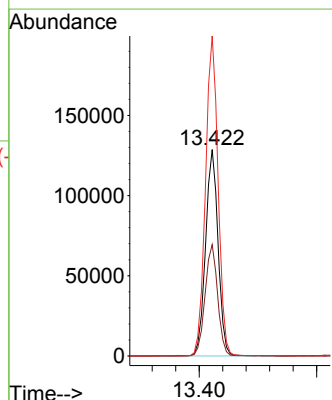
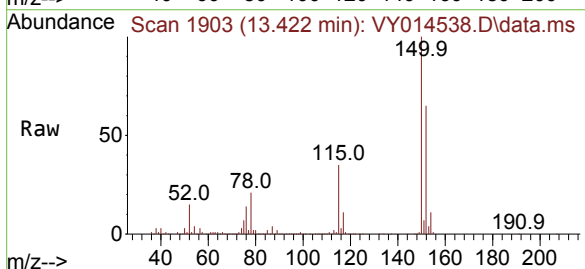
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-11-G

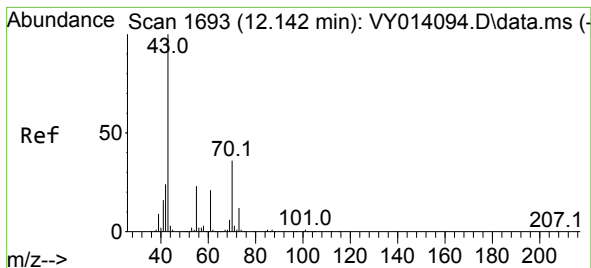
Tgt Ion:117 Resp: 404032
Ion Ratio Lower Upper
117 100
82 50.6 43.4 65.0
119 32.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

Tgt Ion:152 Resp: 190076
Ion Ratio Lower Upper
152 100
115 54.1 28.8 86.5
150 156.3 0.0 348.8





#74

N-amy1 acetate

Concen: 1.990 ug/l

RT: 12.105 min Scan# 1

Delta R.T. -0.037 min

Lab File: VY014538.D

Acq: 03 Jul 2023 16:20

Instrument :

MSVOA_Y

ClientSampleId :

WC-WWS-11-G

Tgt Ion: 43 Resp: 7477

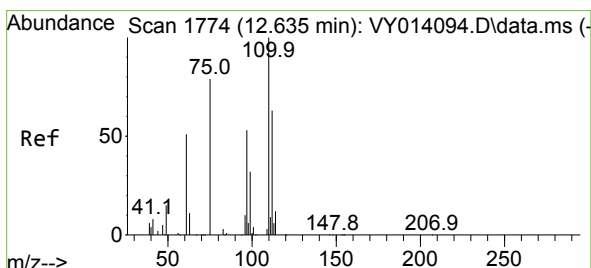
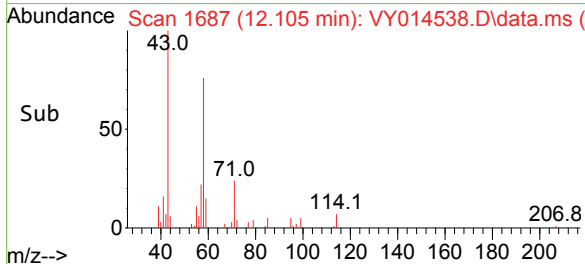
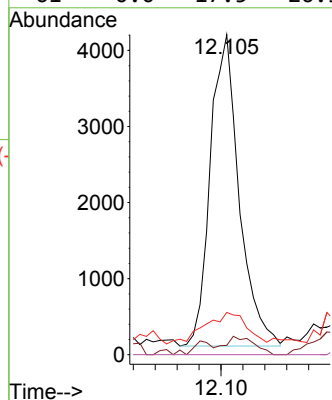
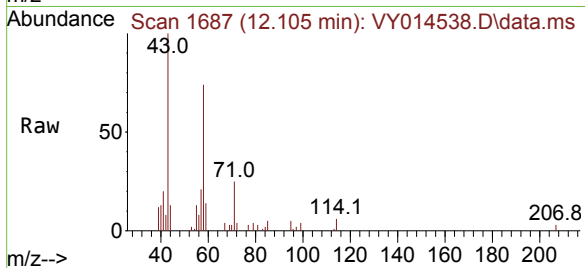
Ion Ratio Lower Upper

43 100

70 5.8 29.7 44.5#

55 14.6 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 35.584 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014538.D

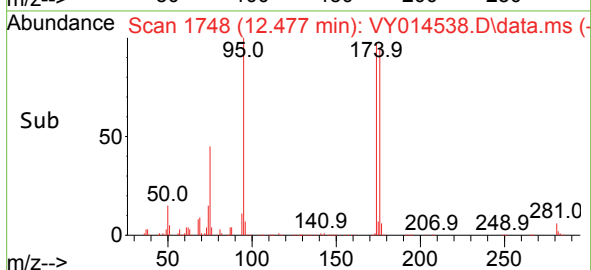
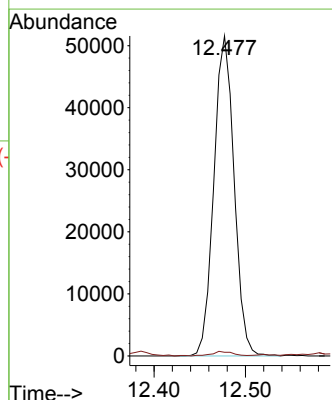
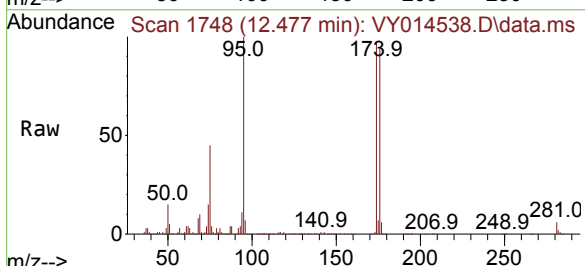
Acq: 03 Jul 2023 16:20

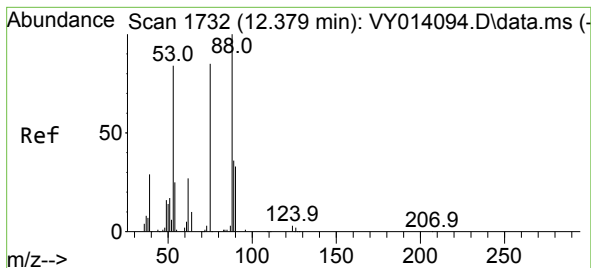
Tgt Ion: 75 Resp: 79370

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

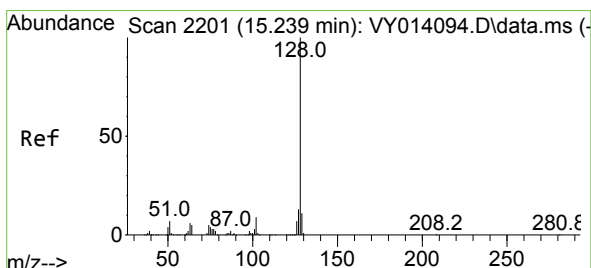
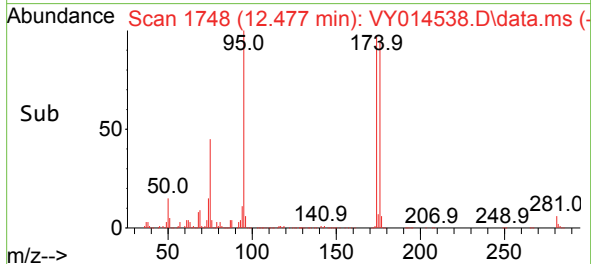
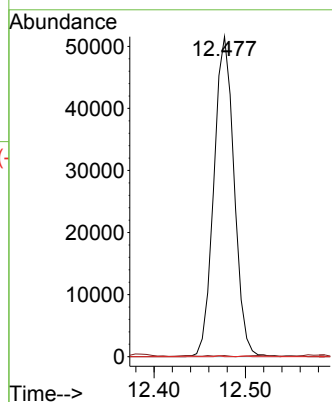
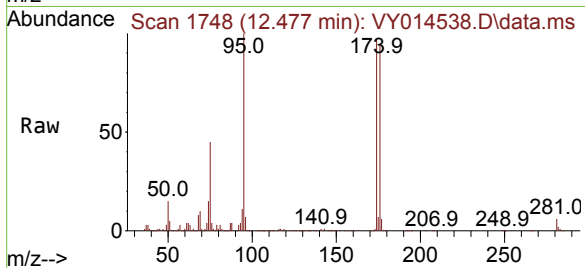




#81
trans-1,4-Dichloro-2-butene
Concen: 69.262 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

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

Tgt Ion: 75 Resp: 79370
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 5.167 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY014538.D
Acq: 03 Jul 2023 16:20

Tgt Ion: 128 Resp: 42753
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 11.3 8.6 13.0

