

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014564.D
 Acq On : 05 Jul 2023 17:32
 Operator : KP/MD
 Sample : 03510-14
 Misc : 12.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-WWS-10-G

Quant Time: Jul 06 01:35:30 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)

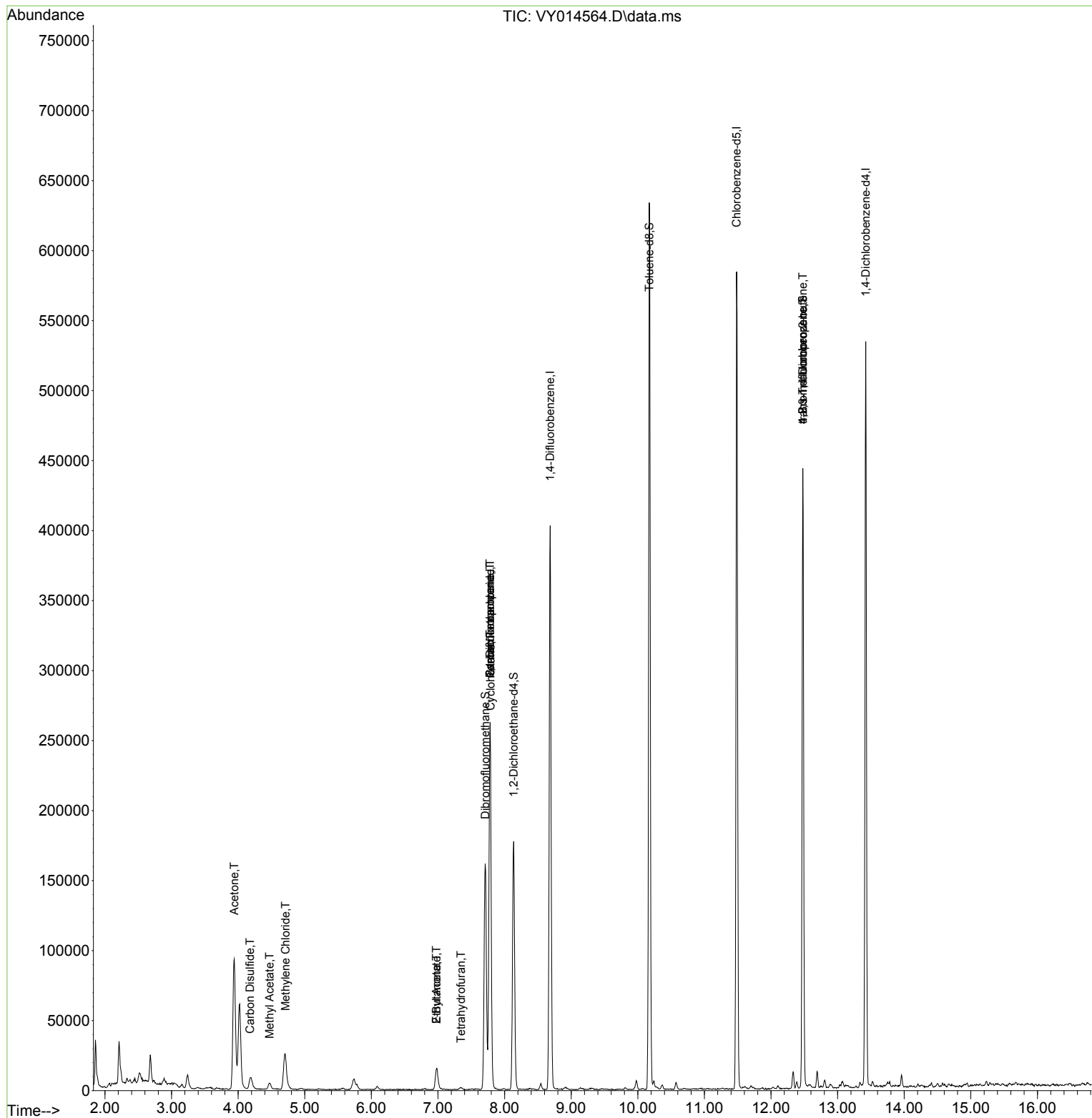
Internal Standards						
1) Pentafluorobenzene	7.783	168	215260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	355679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	333926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	138585	64.718	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.440%	
35) Dibromofluoromethane	7.710	113	118887	54.279	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.560%	
50) Toluene-d8	10.173	98	428122	49.445	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.900%	
62) 4-Bromofluorobenzene	12.477	95	134854	44.853	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.700%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	1391	Below Cal	#	89
13) Acrolein	3.729	56	95	Below Cal	#	14
16) Acetone	3.942	43	164400	245.839	ug/l #	89
17) Carbon Disulfide	4.180	76	13045	2.120	ug/l #	92
18) Methyl Acetate	4.472	43	8935	2.935	ug/l	97
20) Methylene Chloride	4.710	84	20084	3.503	ug/l #	80
25) 2-Butanone	6.978	43	24781	25.027	ug/l	98
29) Tetrahydrofuran	7.344	42	816	1.278	ug/l #	80
31) Cyclohexane	7.789	56	4675	1.392	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15630	4.660	ug/l #	49
37) Ethyl Acetate	6.978	43	24781	10.773	ug/l #	71
38) Carbon Tetrachloride	7.783	117	18909	5.400	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	65876	38.840	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65876	75.599	ug/l #	11

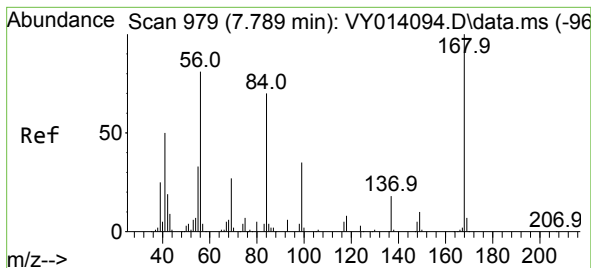
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY014564.D

Acq: 05 Jul 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

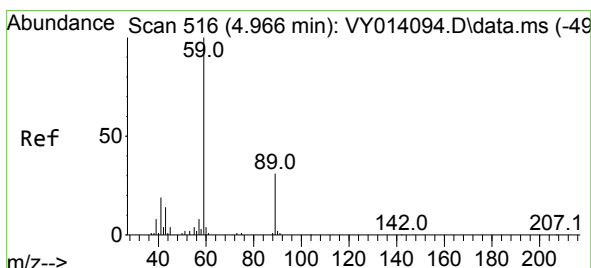
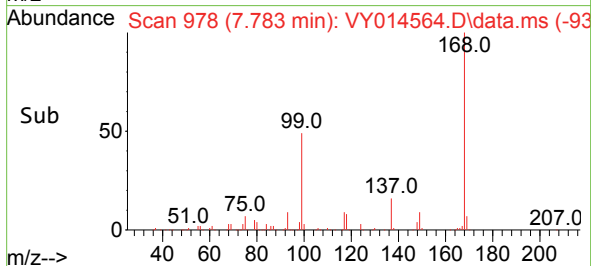
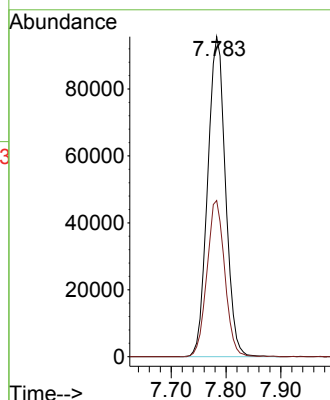
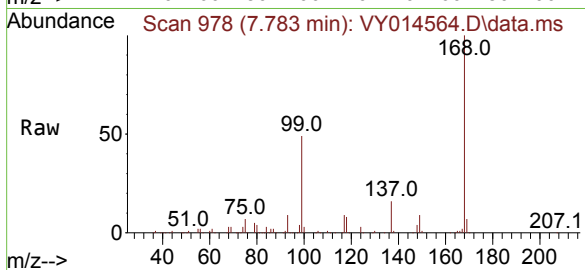
WC-WWS-10-G

Tgt Ion:168 Resp: 215260

Ion Ratio Lower Upper

168 100

99 48.8 43.4 65.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY014564.D

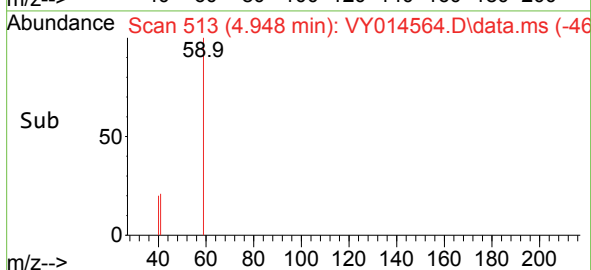
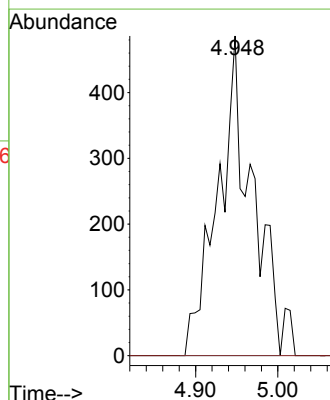
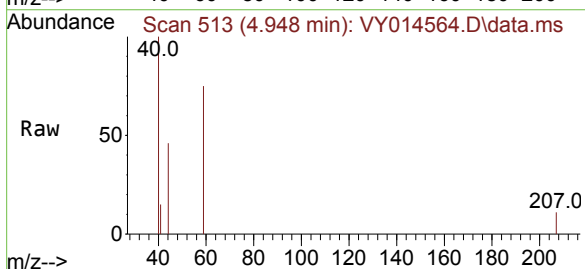
Acq: 05 Jul 2023 17:32

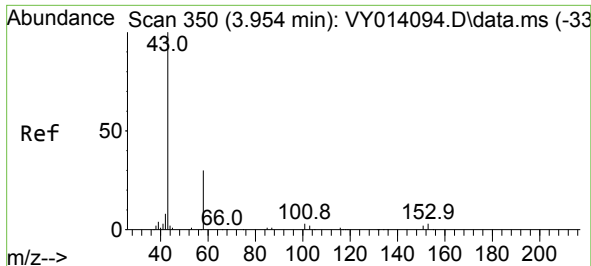
Tgt Ion: 59 Resp: 1391

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#





#16

Acetone

Concen: 245.839 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY014564.D

Acq: 05 Jul 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

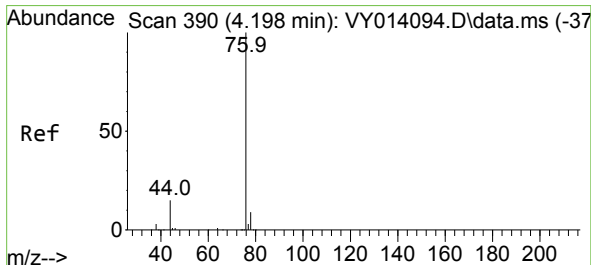
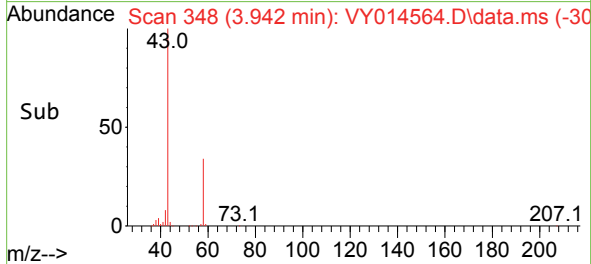
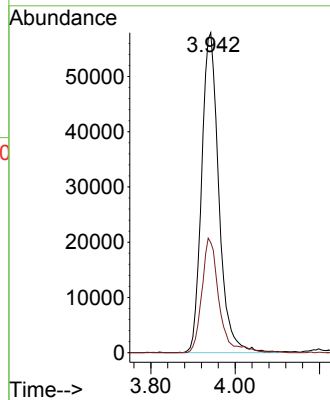
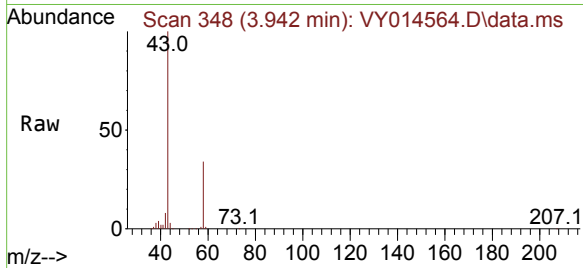
WC-WWS-10-G

Tgt Ion: 43 Resp: 164400

Ion Ratio Lower Upper

43 100

58 34.3 22.7 34.1#



#17

Carbon Disulfide

Concen: 2.120 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.018 min

Lab File: VY014564.D

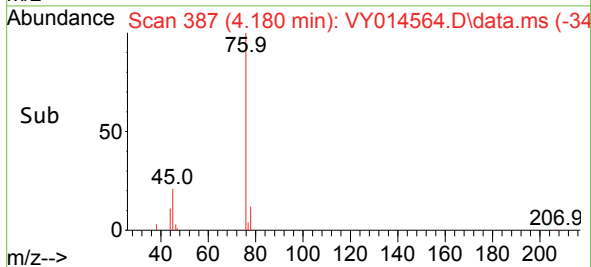
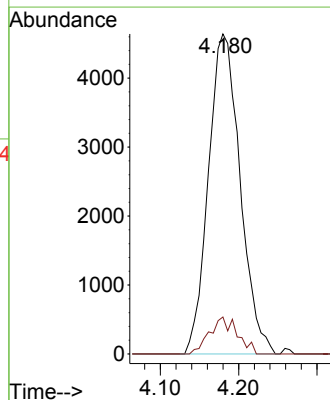
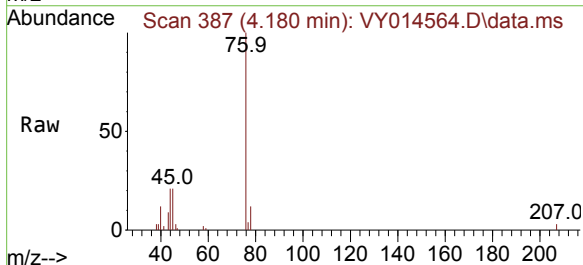
Acq: 05 Jul 2023 17:32

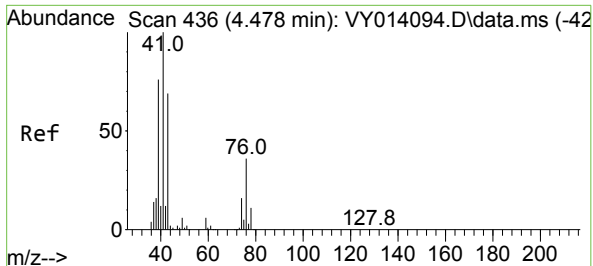
Tgt Ion: 76 Resp: 13045

Ion Ratio Lower Upper

76 100

78 11.6 7.0 10.4#

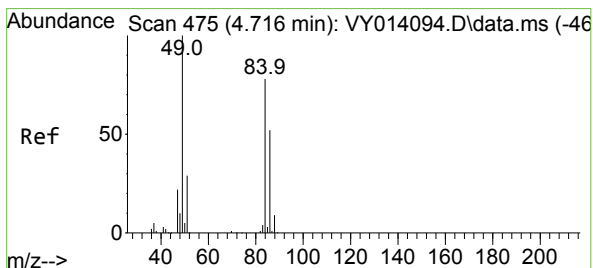
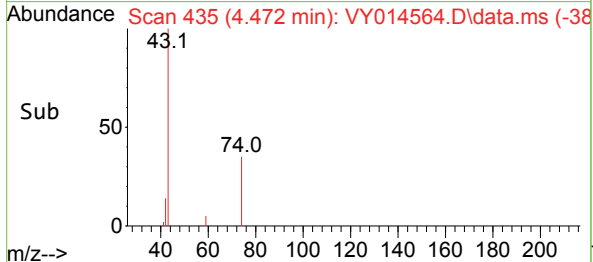
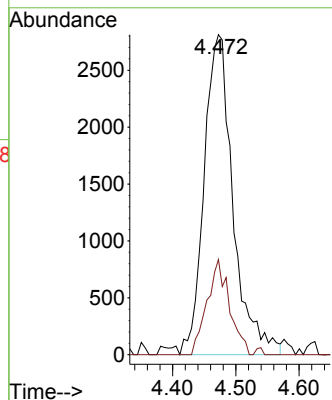
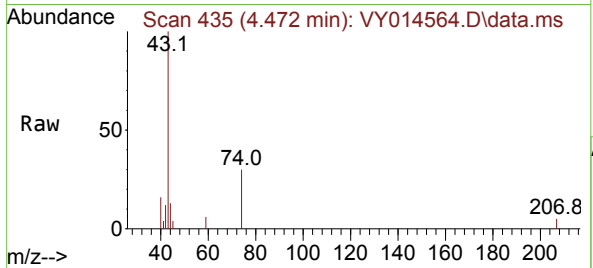




#18
Methyl Acetate
Concen: 2.935 ug/l
RT: 4.472 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

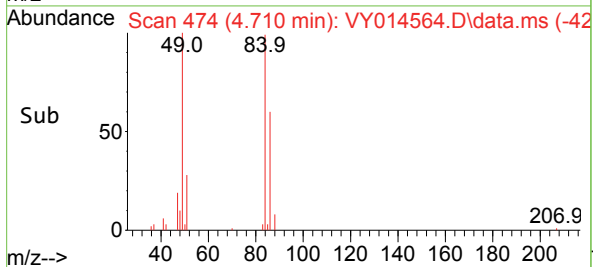
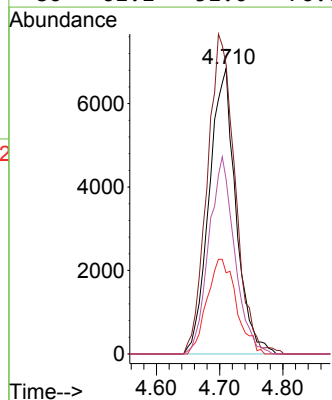
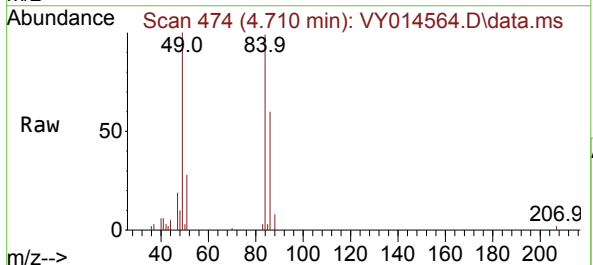
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-10-G

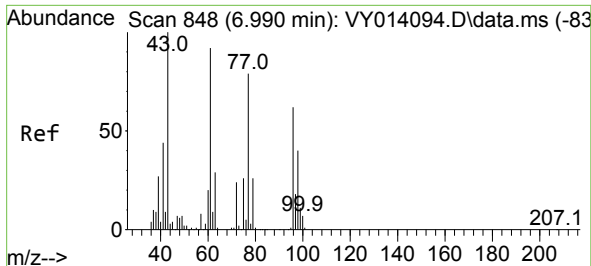
Tgt Ion: 43 Resp: 8935
Ion Ratio Lower Upper
43 100
74 23.1 17.4 26.0



#20
Methylene Chloride
Concen: 3.503 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

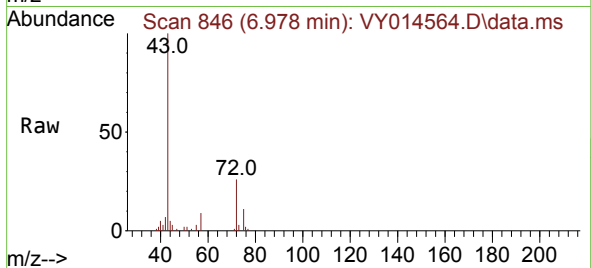
Tgt Ion: 84 Resp: 20084
Ion Ratio Lower Upper
84 100
49 101.4 106.9 160.3#
51 28.4 33.2 49.8#
86 61.1 51.0 76.6



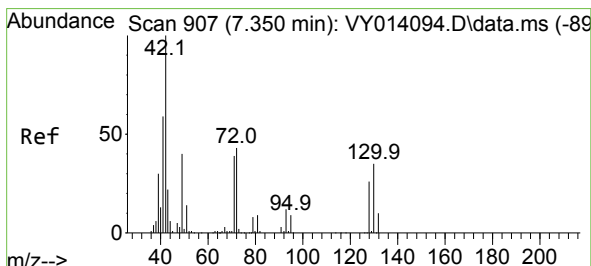
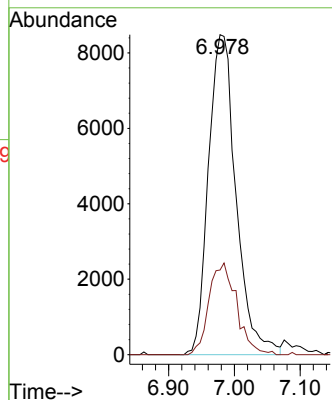
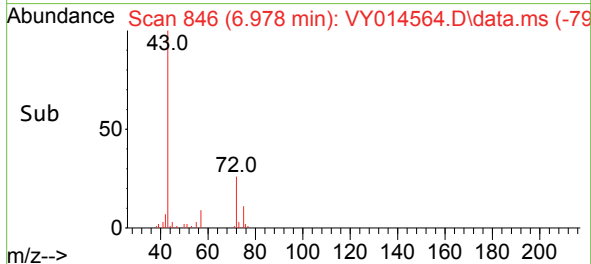


#25
2-Butanone
Concen: 25.027 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-10-G

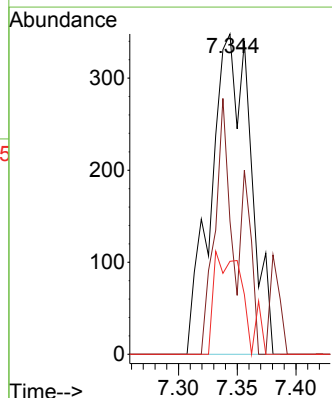
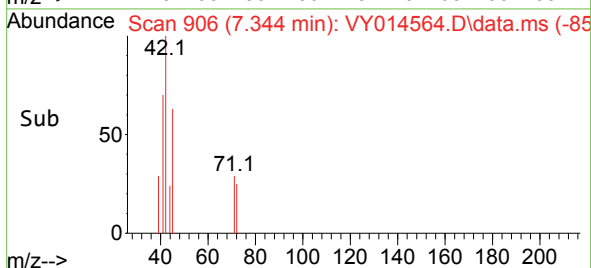
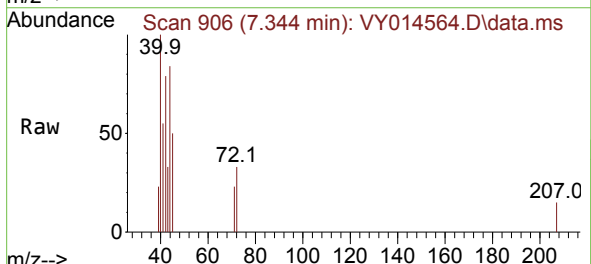


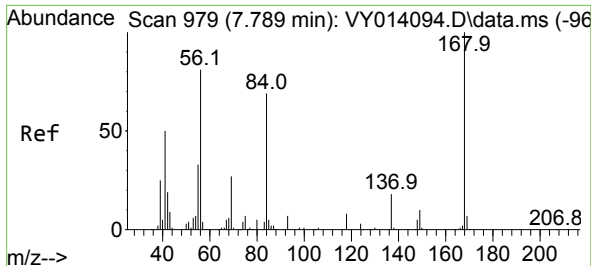
Tgt Ion: 43 Resp: 24781
Ion Ratio Lower Upper
43 100
72 26.4 20.5 30.7



#29
Tetrahydrofuran
Concen: 1.278 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

Tgt Ion: 42 Resp: 816
Ion Ratio Lower Upper
42 100
72 32.0 32.8 49.2#
71 23.5 31.0 46.4#

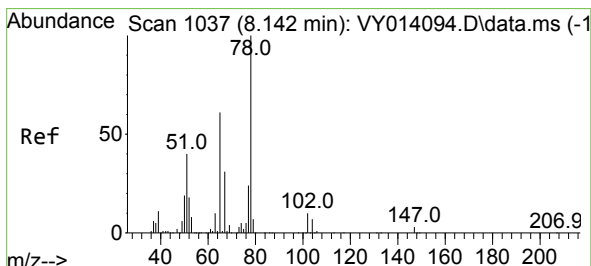
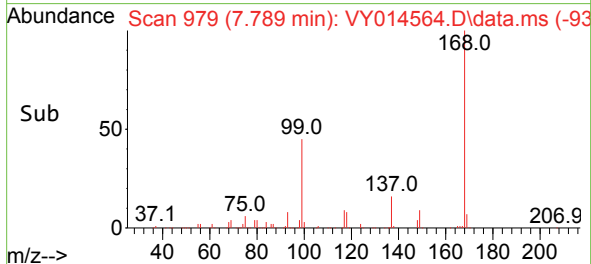
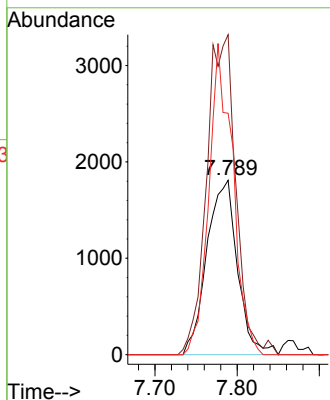
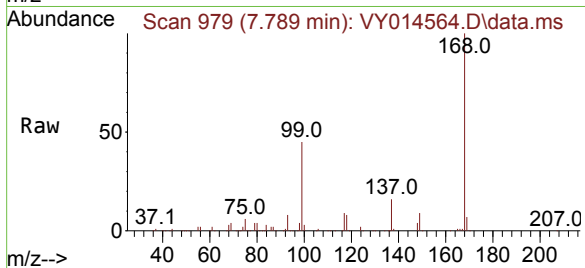




#31
Cyclohexane
Concen: 1.392 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

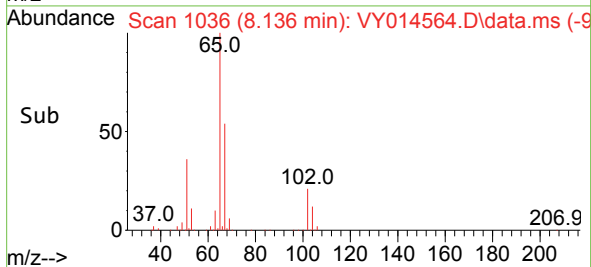
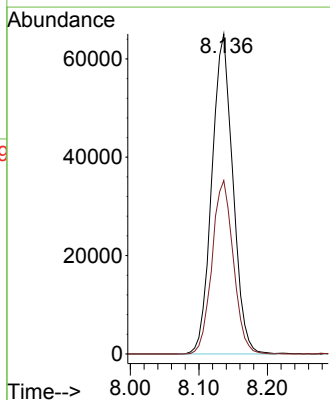
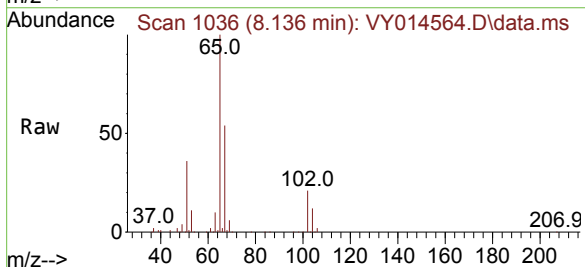
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-10-G

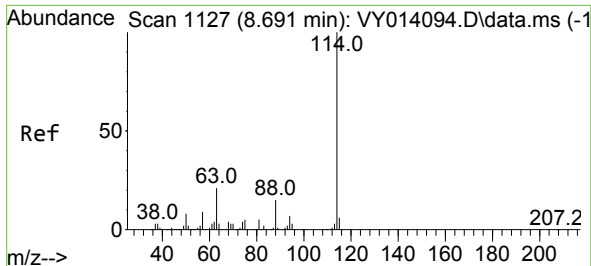
Tgt Ion: 56 Resp: 4675
Ion Ratio Lower Upper
56 100
69 183.4 27.8 41.6#
84 138.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 64.718 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

Tgt Ion: 65 Resp: 138585
Ion Ratio Lower Upper
65 100
67 54.9 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: VY014564.D

Acq: 05 Jul 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

WC-WWS-10-G

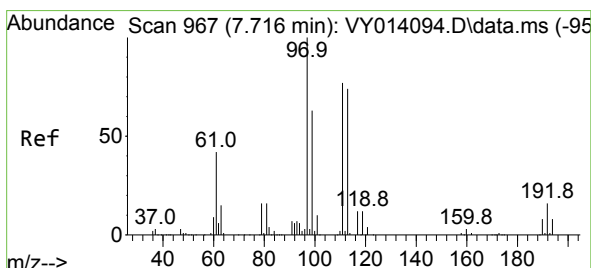
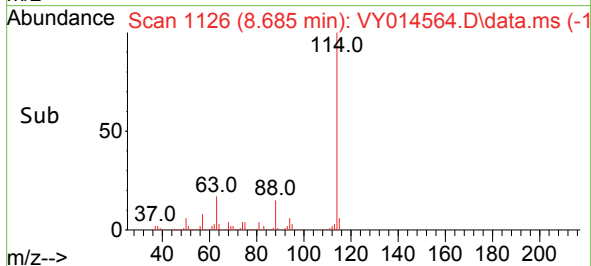
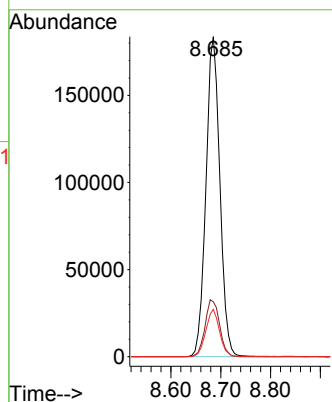
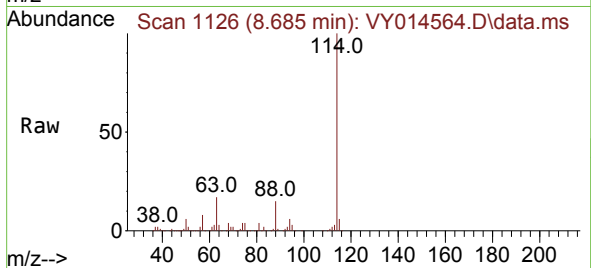
Tgt Ion:114 Resp: 355679

Ion Ratio Lower Upper

114 100

63 17.2 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.279 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014564.D

Acq: 05 Jul 2023 17:32

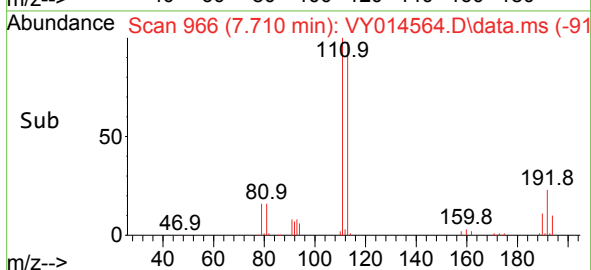
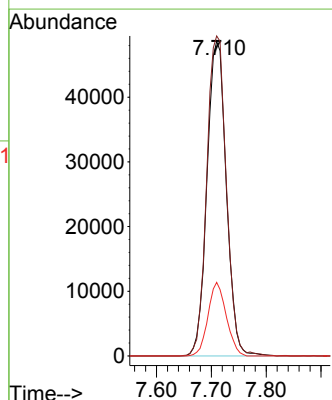
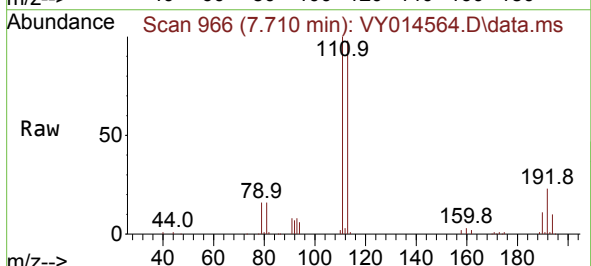
Tgt Ion:113 Resp: 118887

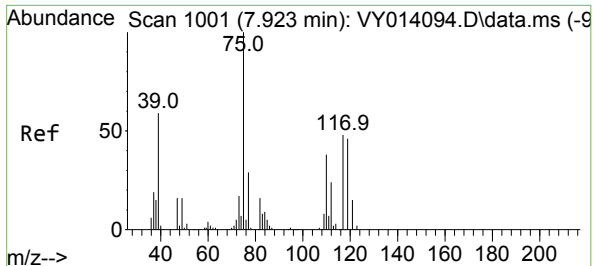
Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 22.1 16.9 25.3

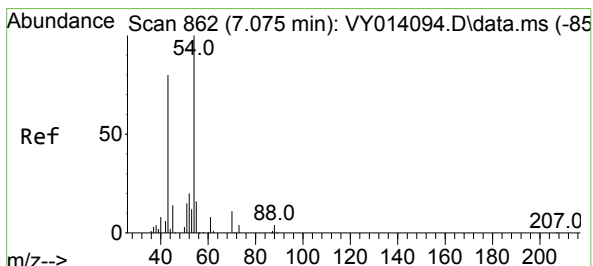
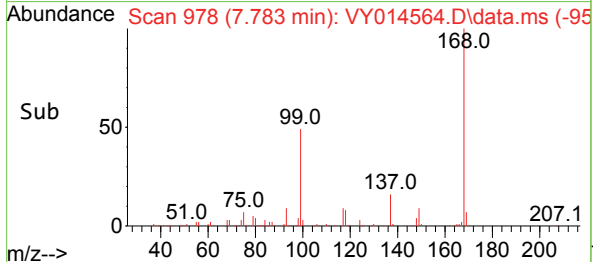
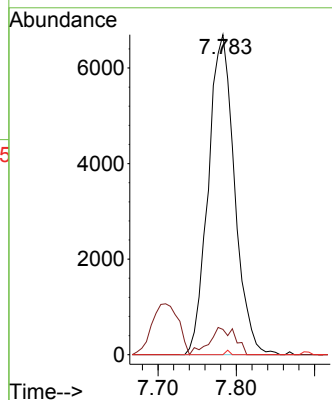
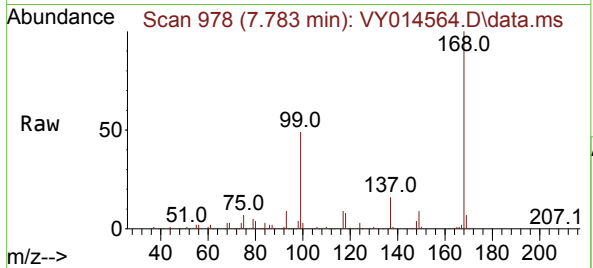




#36
1,1-Dichloropropene
Concen: 4.660 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

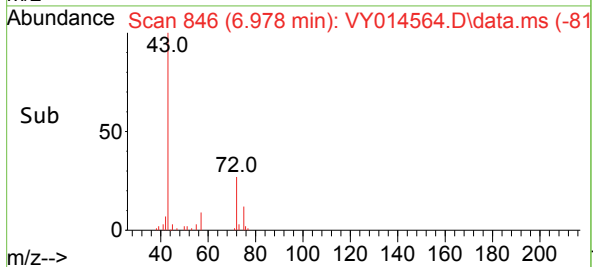
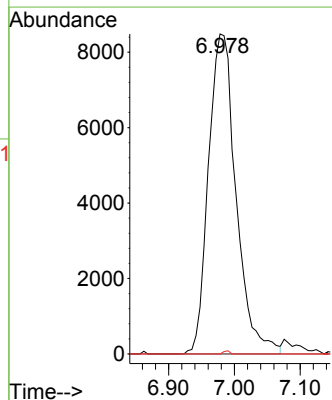
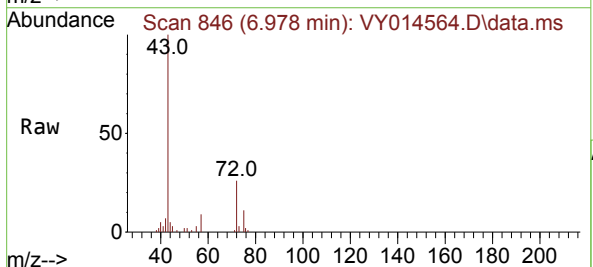
Instrument :
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WC-WWS-10-G

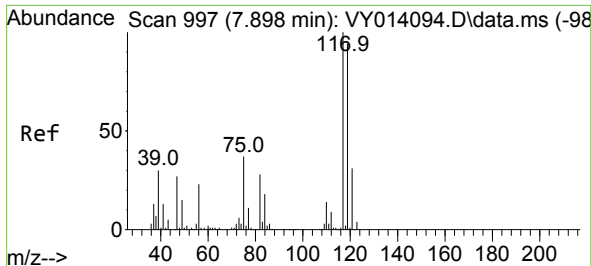
Tgt Ion: 75 Resp: 15630
Ion Ratio Lower Upper
75 100
110 7.7 17.8 53.5#
77 0.2 24.4 36.6#



#37
Ethyl Acetate
Concen: 10.773 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.097 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

Tgt Ion: 43 Resp: 24781
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.2 7.1 10.7#

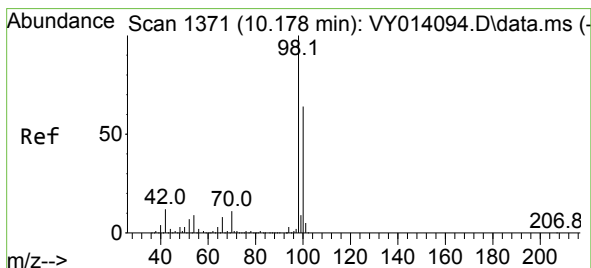
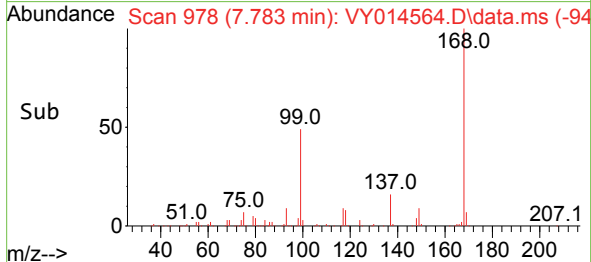
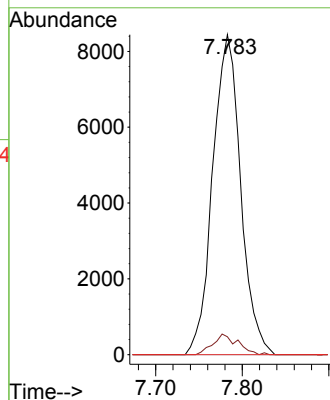
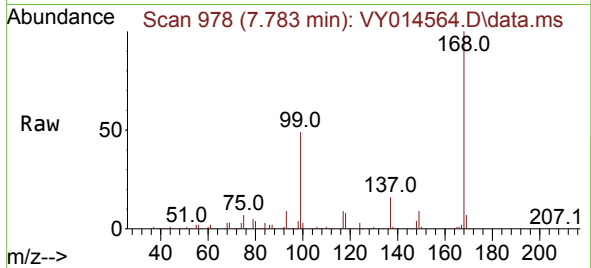




#38
Carbon Tetrachloride
Concen: 5.400 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

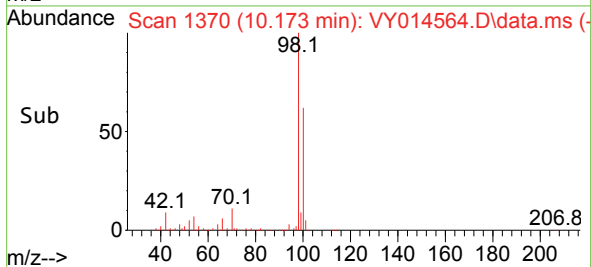
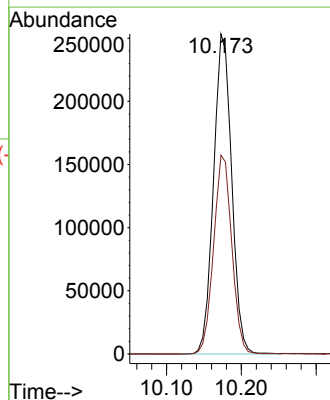
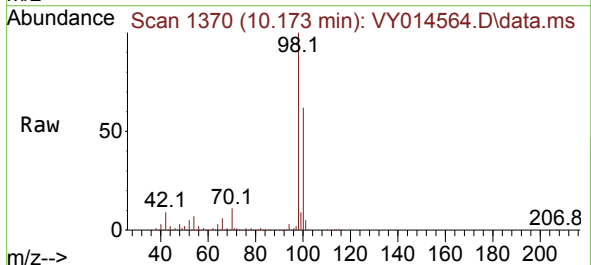
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-10-G

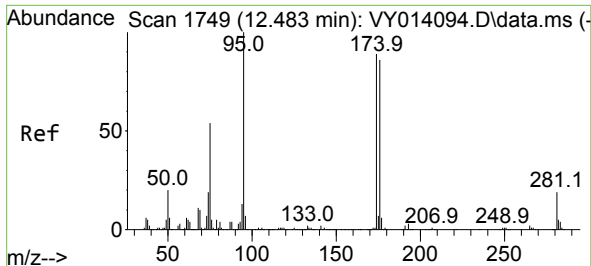
Tgt Ion:117 Resp: 18909
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.445 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.005 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

Tgt Ion: 98 Resp: 428122
Ion Ratio Lower Upper
98 100
100 62.3 50.1 75.1

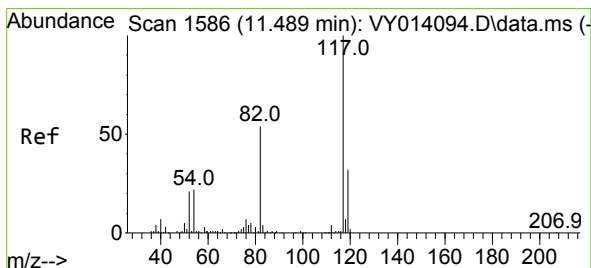
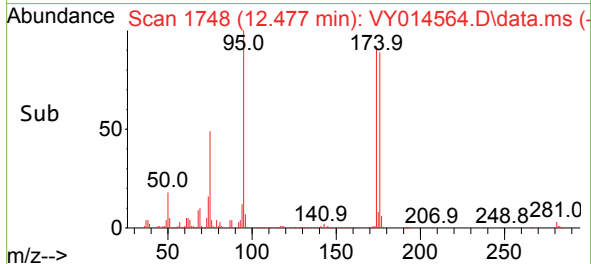
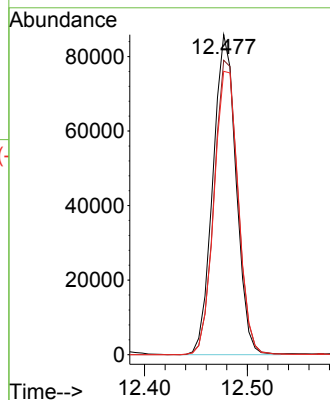
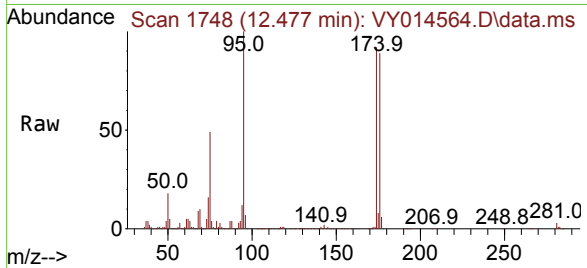




#62
4-Bromofluorobenzene
Concen: 44.853 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

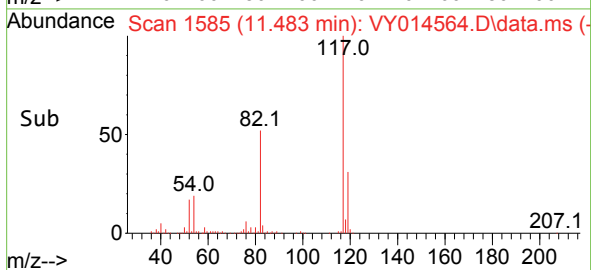
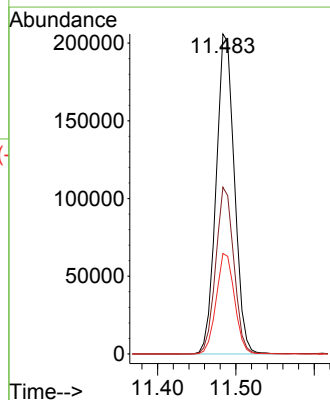
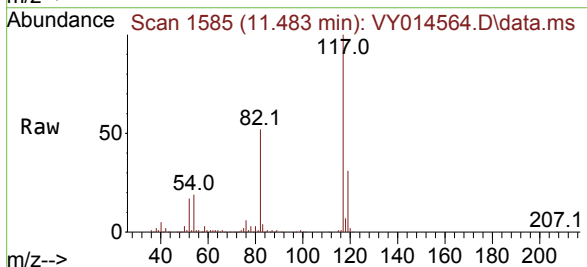
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-10-G

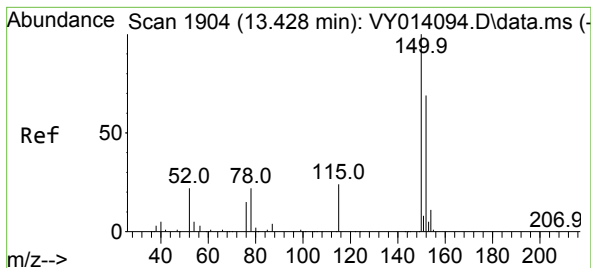
Tgt Ion: 95 Resp: 134854
Ion Ratio Lower Upper
95 100
174 94.0 0.0 178.2
176 92.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014564.D
Acq: 05 Jul 2023 17:32

Tgt Ion: 117 Resp: 333926
Ion Ratio Lower Upper
117 100
82 52.1 43.4 65.0
119 31.4 26.3 39.5

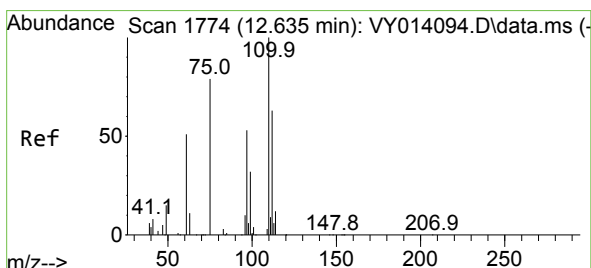
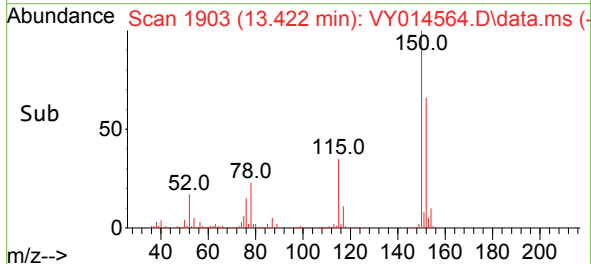
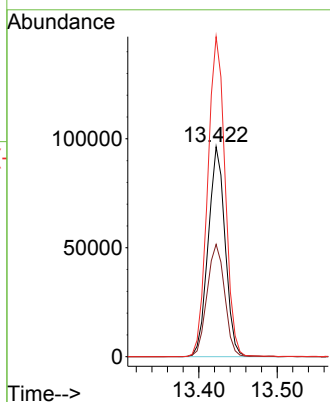
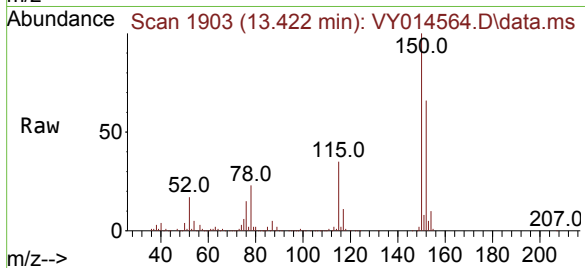




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY014564.D
 Acq: 05 Jul 2023 17:32

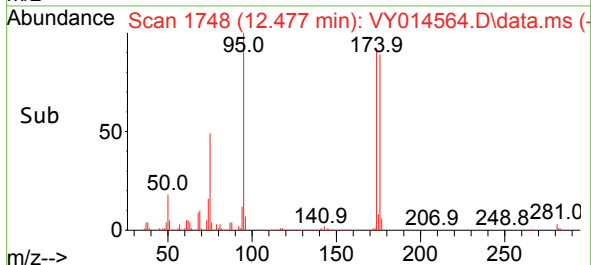
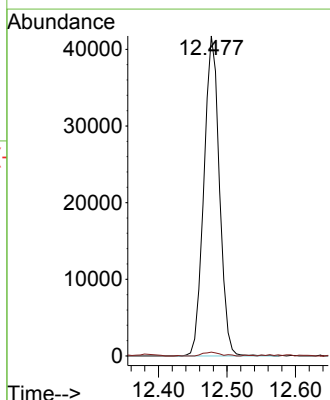
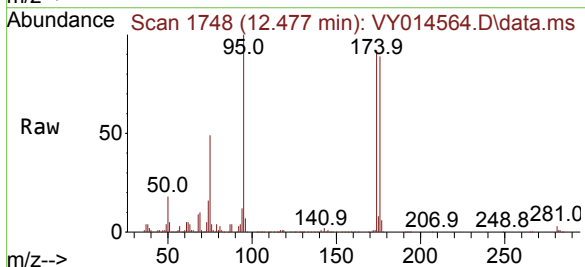
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-WWS-10-G

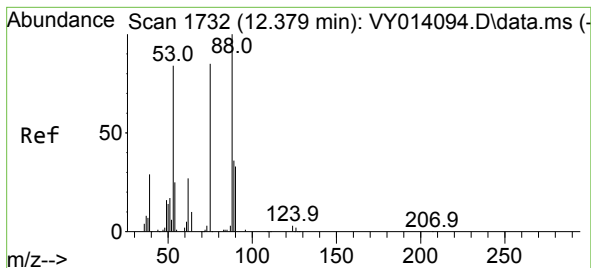
Tgt Ion:152 Resp: 144536
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.8 86.5
 150 156.7 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 38.840 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY014564.D
 Acq: 05 Jul 2023 17:32

Tgt Ion: 75 Resp: 65876
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 75.599 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY014564.D

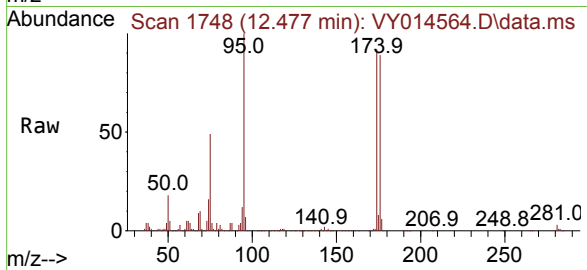
Acq: 05 Jul 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

WC-WWS-10-G



Tgt Ion: 75 Resp: 65876

Ion Ratio Lower Upper

75 100

53 0.4 77.8 116.8#

89 0.0 37.4 56.0#

