

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014590.D
 Acq On : 06 Jul 2023 15:54
 Operator : KP/MD
 Sample : 03541-04
 Misc : 4.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-WWS-08-G

Quant Time: Jul 07 06:14:56 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)

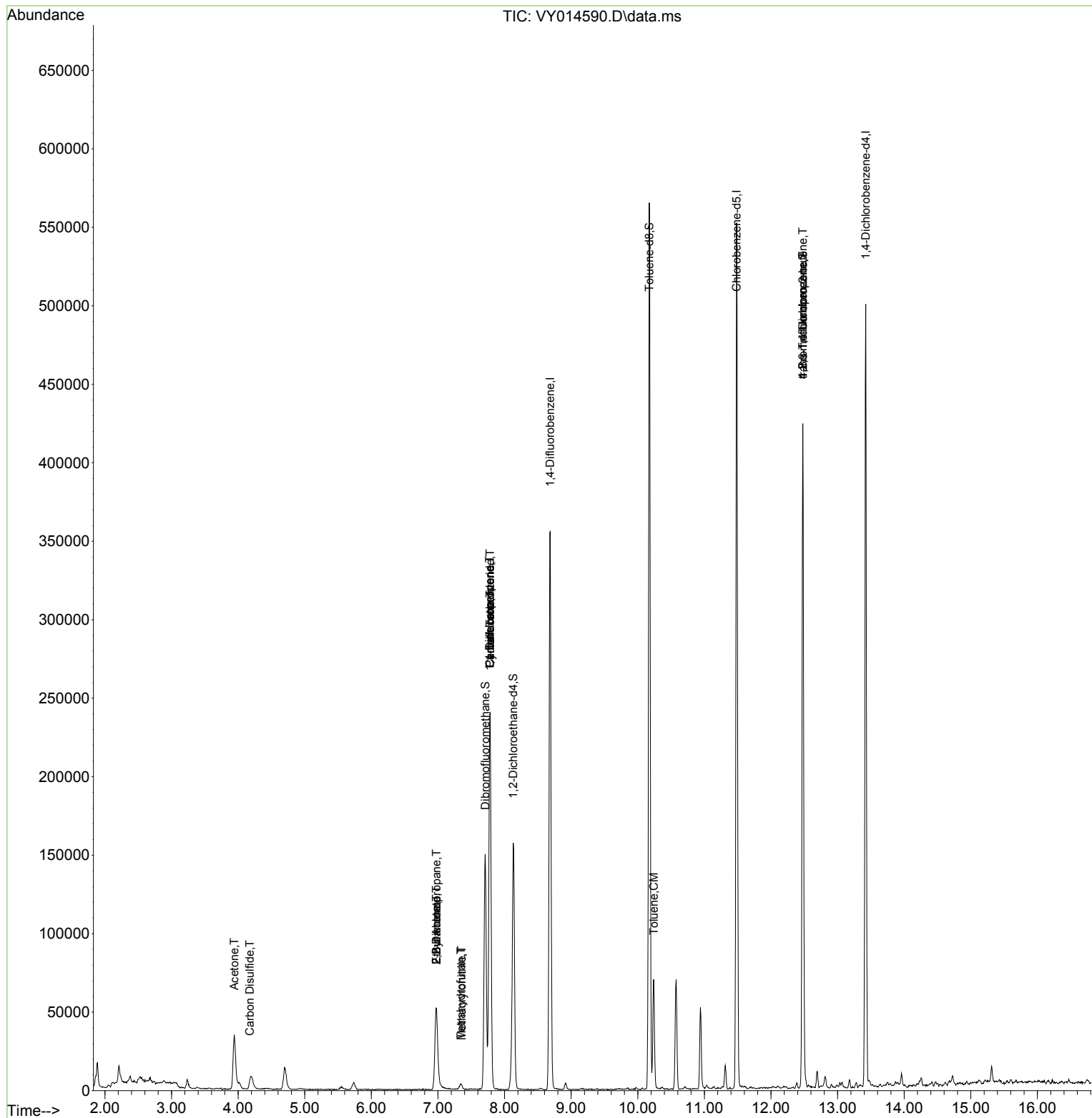
Internal Standards						
1) Pentafluorobenzene	7.783	168	205977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	321453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	312255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	118395	57.781	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.560%	
35) Dibromofluoromethane	7.710	113	107113	54.110	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.220%	
50) Toluene-d8	10.173	98	386151	49.346	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.700%	
62) 4-Bromofluorobenzene	12.477	95	121689	44.784	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.560%	
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	143	Below Cal	Qvalue 96	
11) Tert butyl alcohol	4.954	59	864	Below Cal	#	89
16) Acetone	3.942	43	59923	93.645	ug/l #	86
17) Carbon Disulfide	4.174	76	9318	1.583	ug/l #	93
20) Methylene Chloride	4.698	84	10588	Below Cal	#	83
25) 2-Butanone	6.978	43	17812	18.799	ug/l	94
26) 2,2-Dichloropropane	6.978	77	3443	1.072	ug/l #	54
29) Tetrahydrofuran	7.344	42	2131	3.487	ug/l #	83
31) Cyclohexane	7.783	56	3465	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	14635	4.828	ug/l #	49
37) Ethyl Acetate	6.978	43	17812	8.568	ug/l #	84
38) Carbon Tetrachloride	7.783	117	17877	5.649	ug/l #	17
41) Methacrylonitrile	7.356	41	1637	1.612	ug/l #	36
52) Toluene	10.240	92	29463	5.102	ug/l	100
76) 1,2,3-Trichloropropane	12.477	75	57819	36.053	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57819	70.174	ug/l #	11

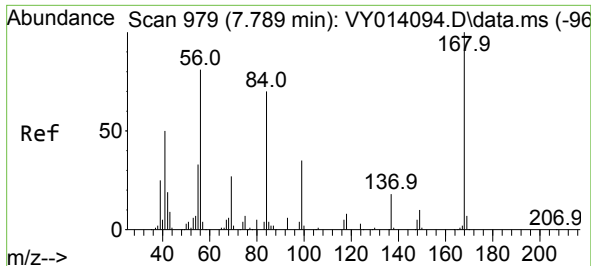
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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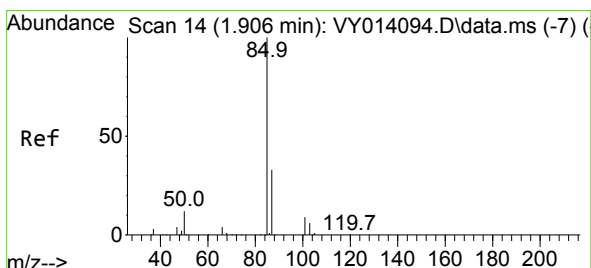
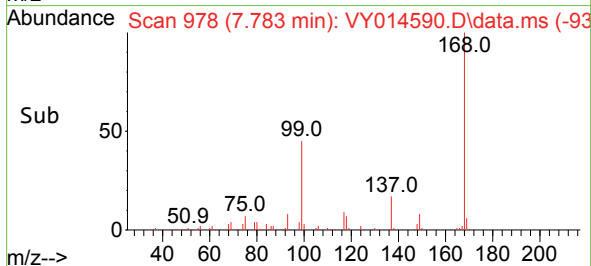
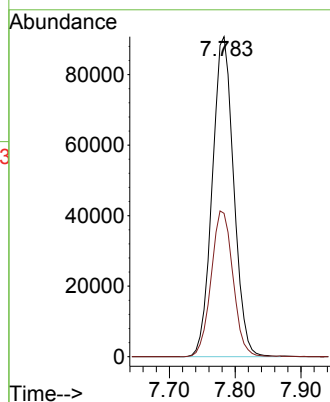
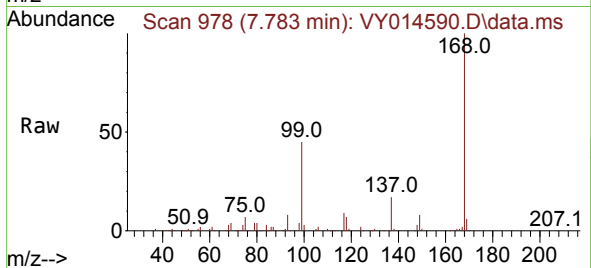




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

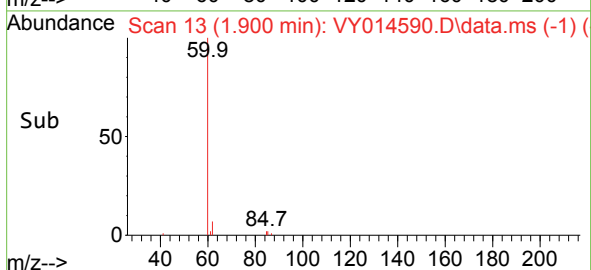
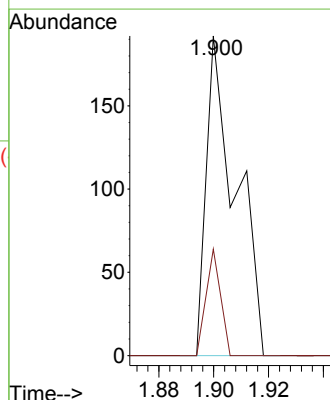
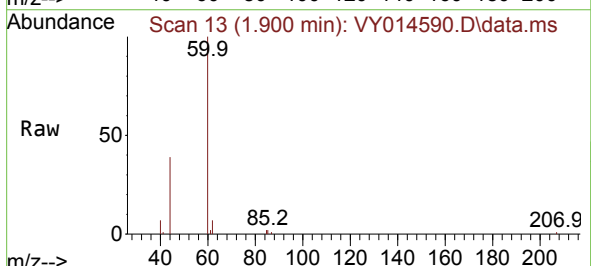
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MSVOA_Y
ClientSampleId :
WC-WWS-08-G

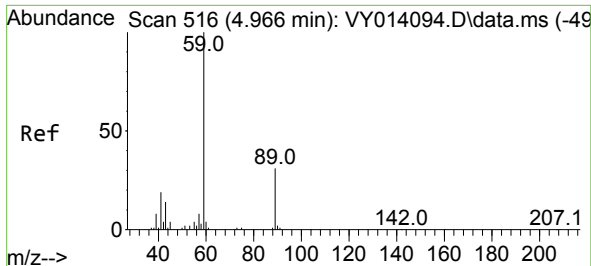
Tgt Ion:168 Resp: 205977
Ion Ratio Lower Upper
168 100
99 44.8 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

Tgt Ion: 85 Resp: 143
Ion Ratio Lower Upper
85 100
87 33.3 15.6 46.8

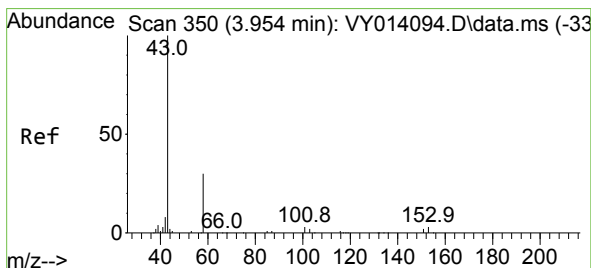
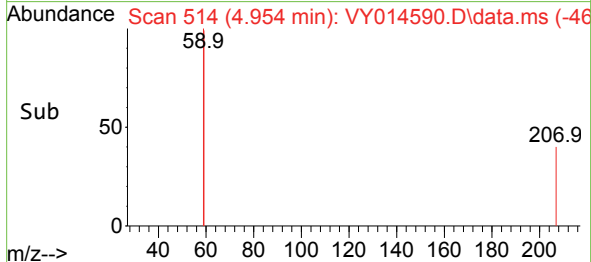
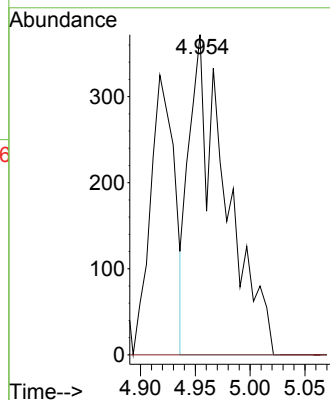
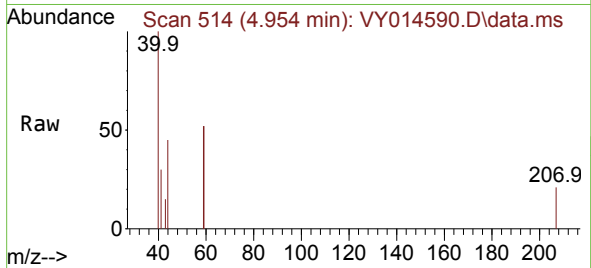




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

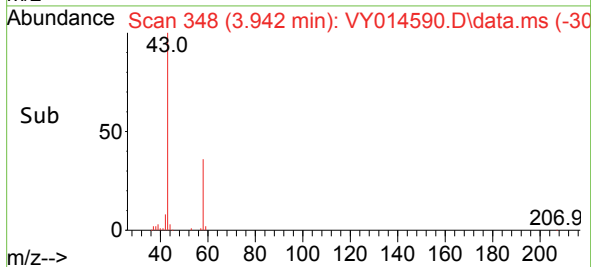
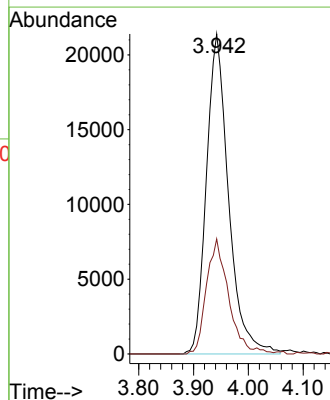
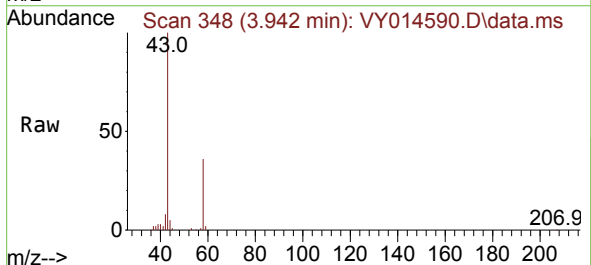
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-08-G

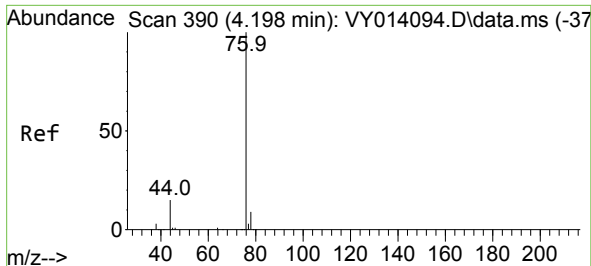
Tgt Ion: 59 Resp: 864
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 93.645 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

Tgt Ion: 43 Resp: 59923
Ion Ratio Lower Upper
43 100
58 35.9 22.7 34.1#

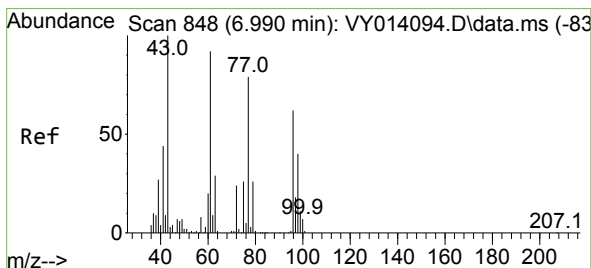
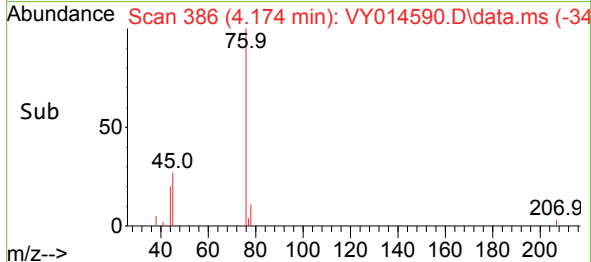
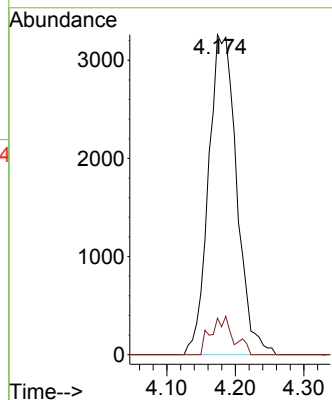
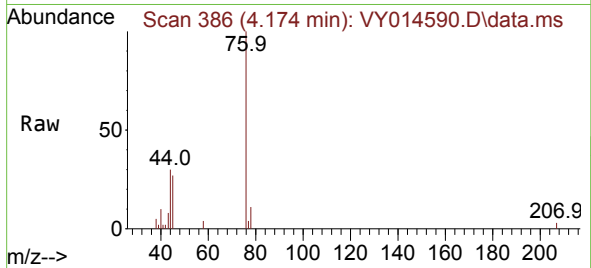




#17
Carbon Disulfide
Concen: 1.583 ug/l
RT: 4.174 min Scan# 31
Delta R.T. -0.024 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

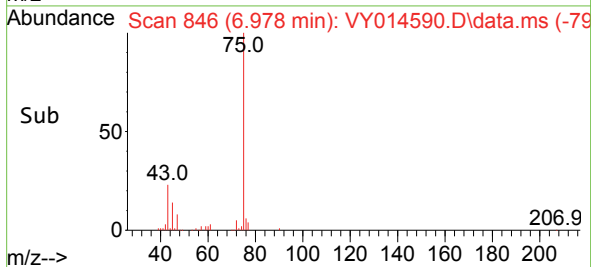
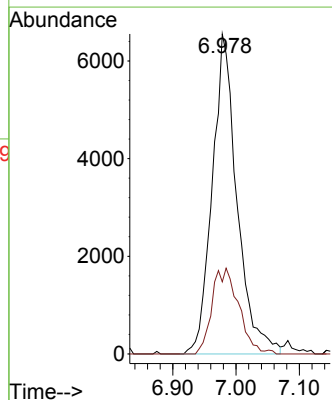
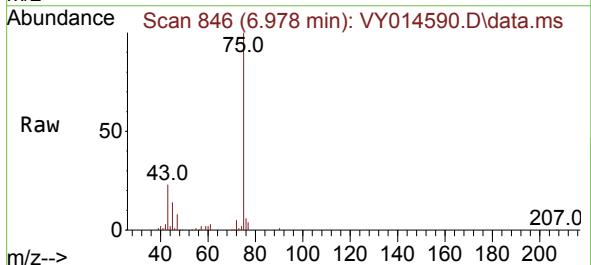
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-08-G

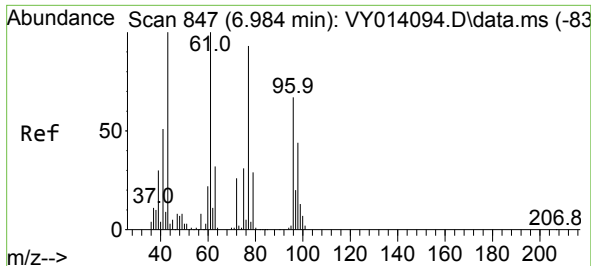
Tgt Ion: 76 Resp: 9318
Ion Ratio Lower Upper
76 100
78 11.4 7.0 10.4#



#25
2-Butanone
Concen: 18.799 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

Tgt Ion: 43 Resp: 17812
Ion Ratio Lower Upper
43 100
72 22.6 20.5 30.7

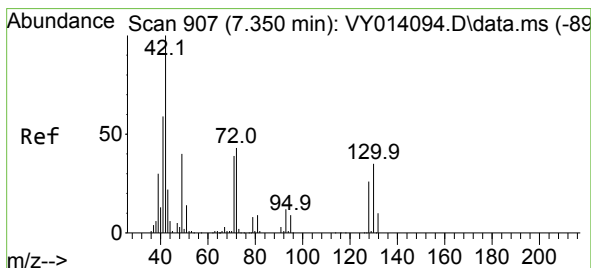
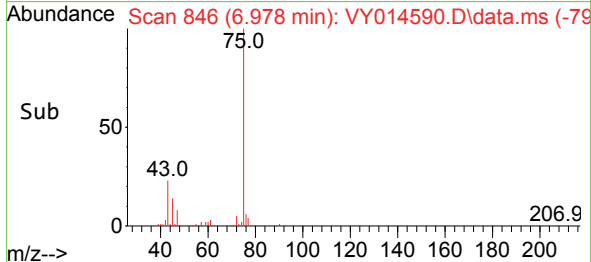
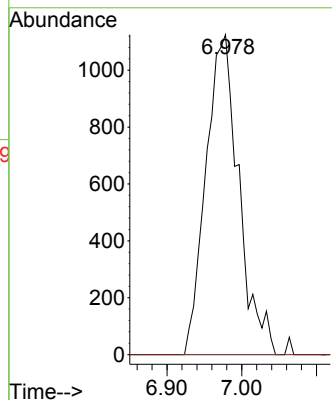
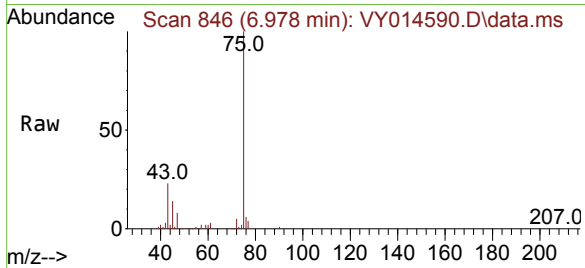




#26
2,2-Dichloropropane
Concen: 1.072 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

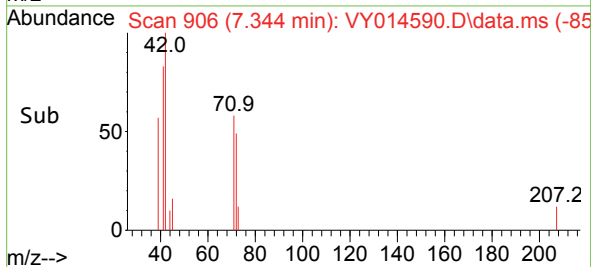
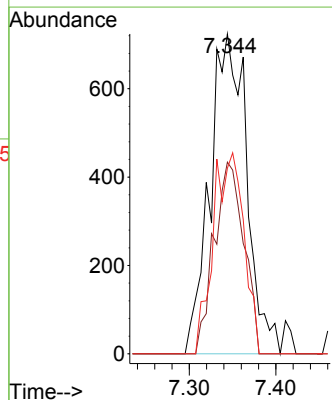
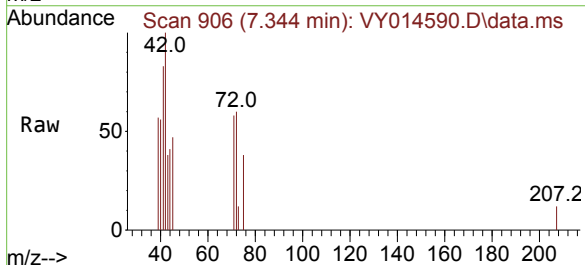
Instrument :
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ClientSampleId :
WC-WWS-08-G

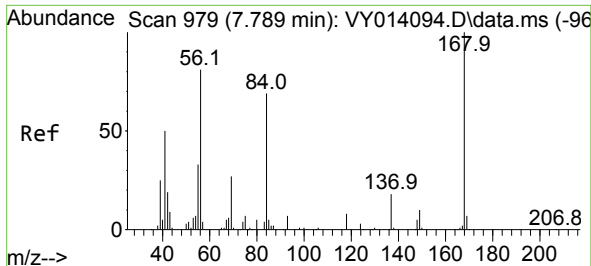
Tgt Ion: 77 Resp: 3443
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 3.487 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

Tgt Ion: 42 Resp: 2131
Ion Ratio Lower Upper
42 100
72 48.6 32.8 49.2
71 52.5 31.0 46.4#

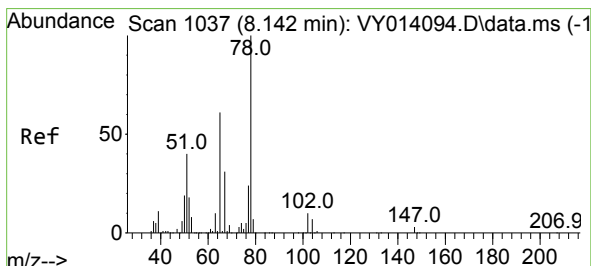
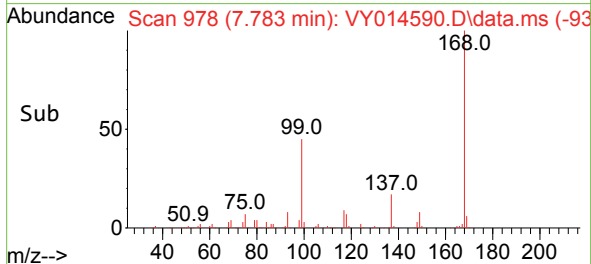
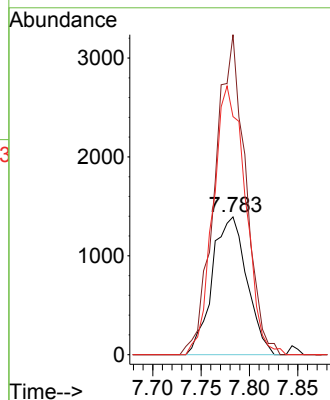
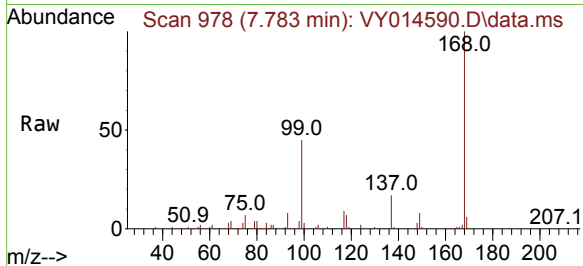




#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

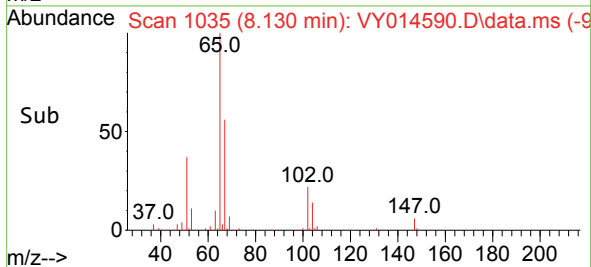
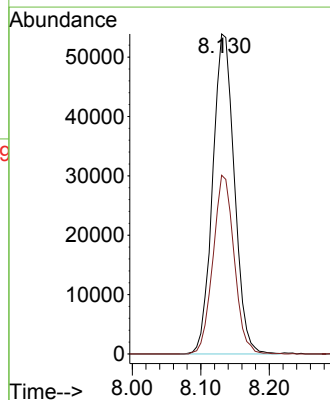
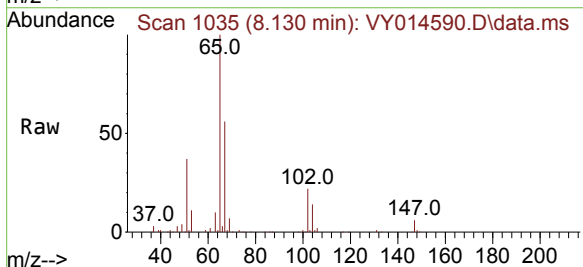
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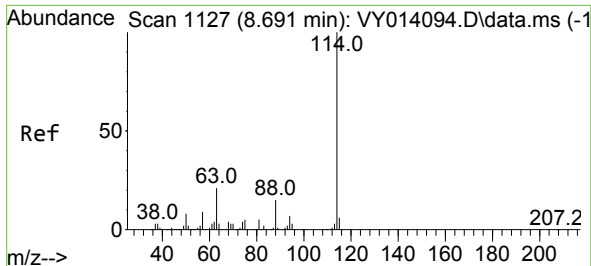
Tgt Ion: 56 Resp: 3465
Ion Ratio Lower Upper
56 100
69 232.1 27.8 41.6#
84 177.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.781 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.012 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

Tgt Ion: 65 Resp: 118395
Ion Ratio Lower Upper
65 100
67 54.5 0.0 101.8

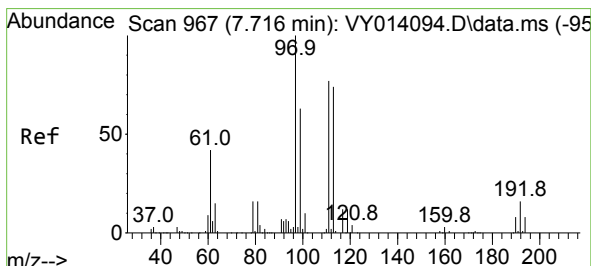
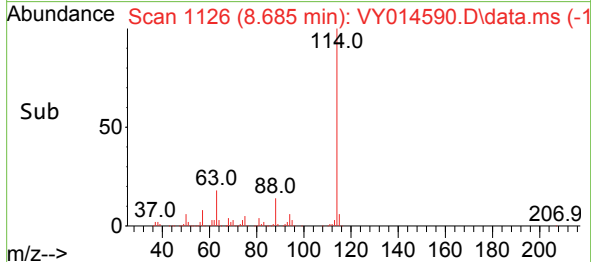
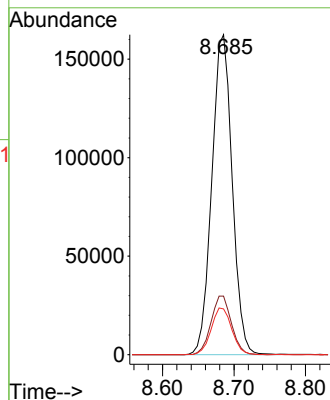
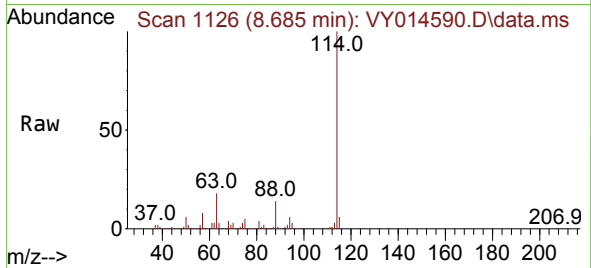




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

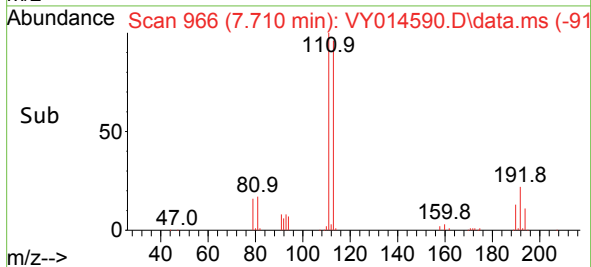
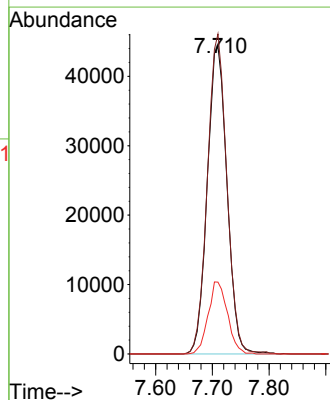
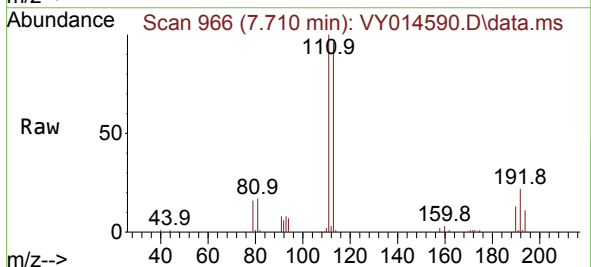
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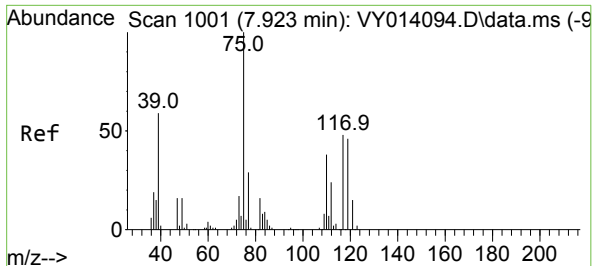
Tgt Ion:114 Resp: 321453
Ion Ratio Lower Upper
114 100
63 18.3 0.0 42.4
88 14.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.110 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

Tgt Ion:113 Resp: 107113
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 23.0 16.9 25.3

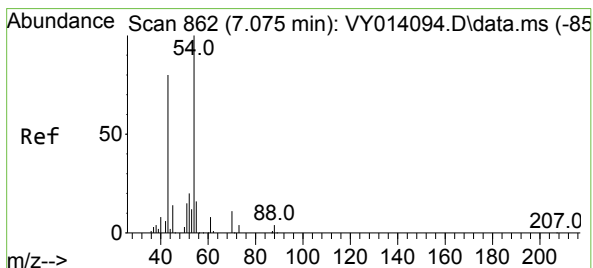
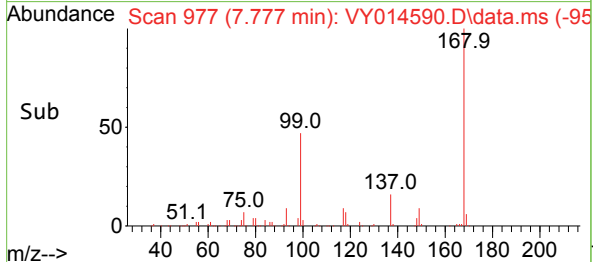
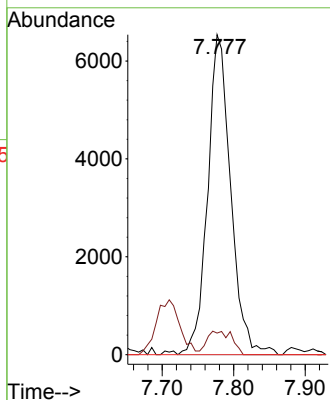
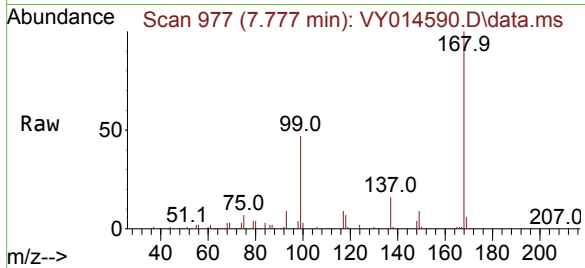




#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.146 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

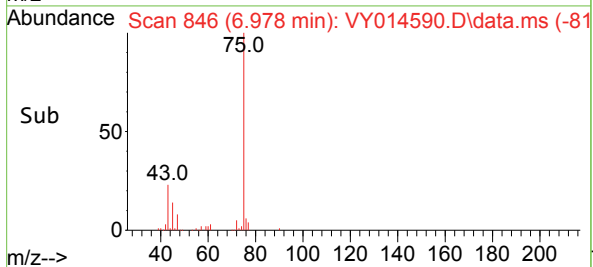
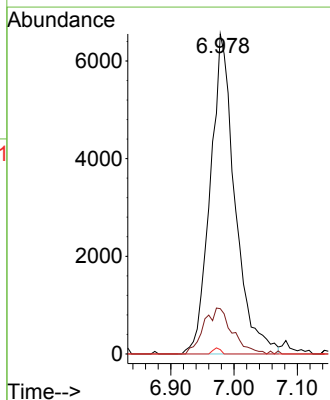
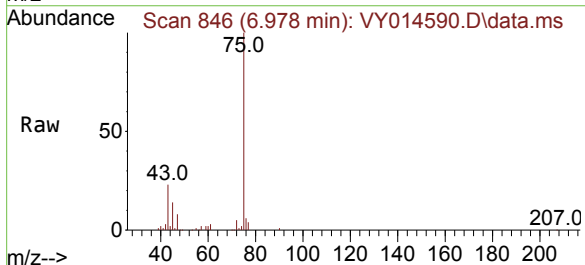
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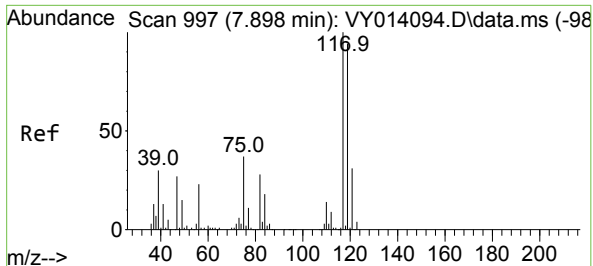
Tgt Ion: 75 Resp: 14635
Ion Ratio Lower Upper
75 100
110 7.9 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 8.568 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.097 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

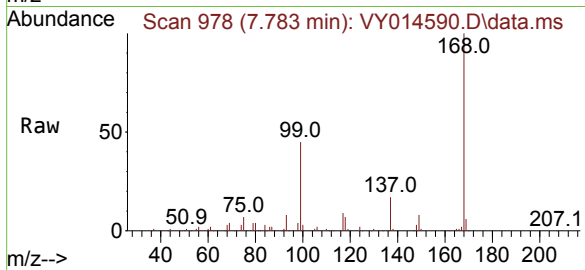
Tgt Ion: 43 Resp: 17812
Ion Ratio Lower Upper
43 100
61 16.6 10.1 15.1#
70 0.6 7.1 10.7#



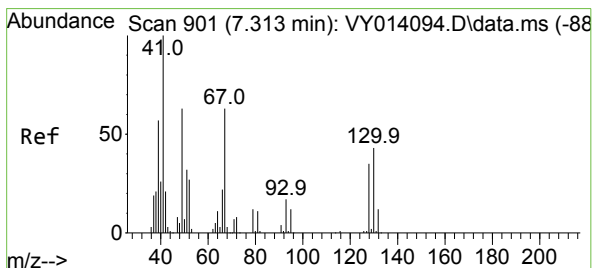
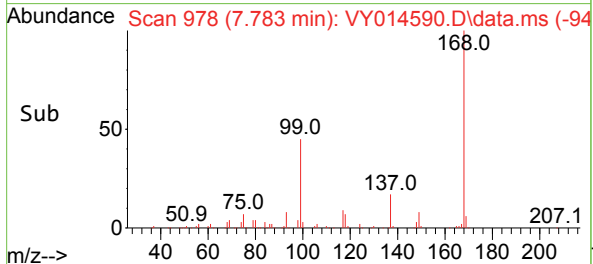
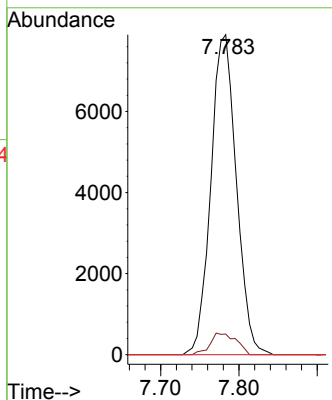


#38
Carbon Tetrachloride
Concen: 5.649 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-08-G

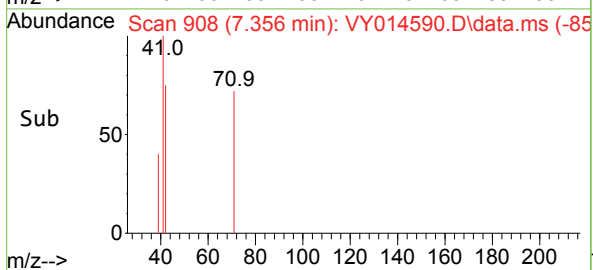
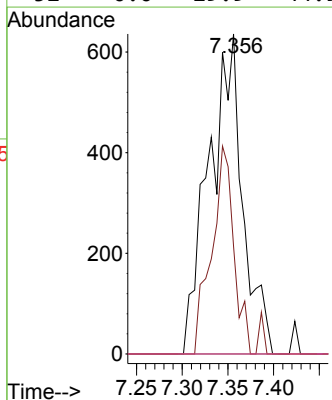
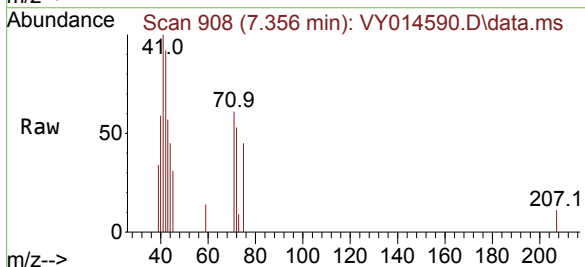


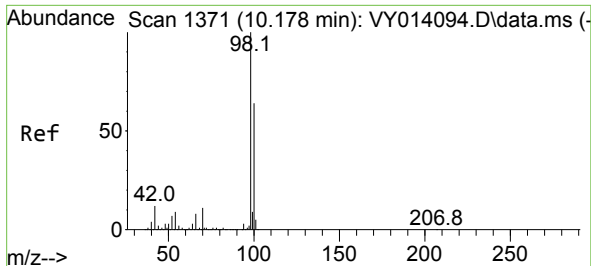
Tgt Ion: 117 Resp: 17877
Ion Ratio Lower Upper
117 100
119 6.5 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.612 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.043 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

Tgt Ion: 41 Resp: 1637
Ion Ratio Lower Upper
41 100
39 42.8 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

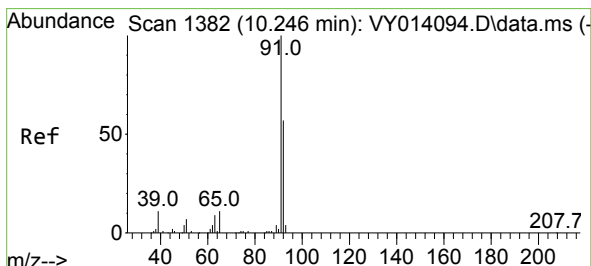
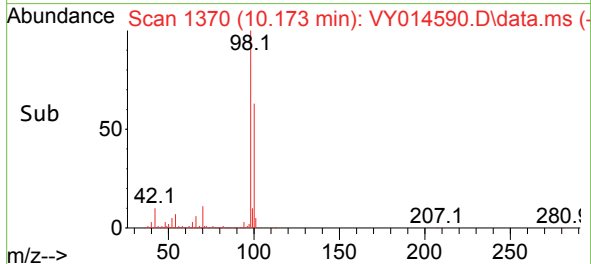
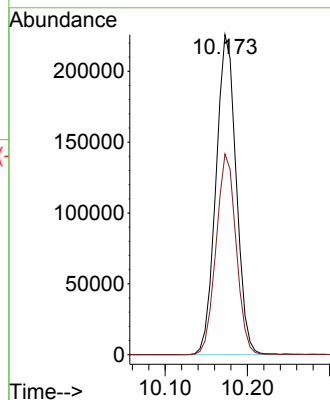
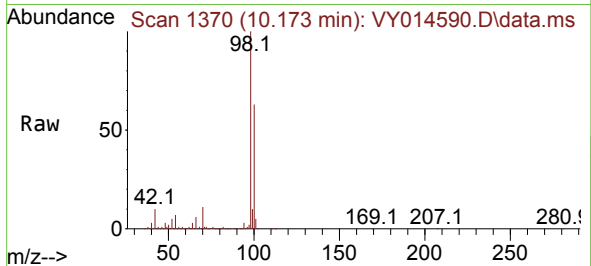




#50
Toluene-d8
Concen: 49.346 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

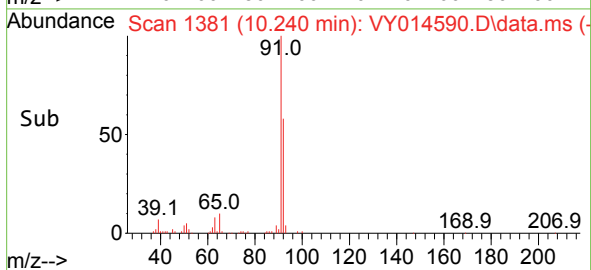
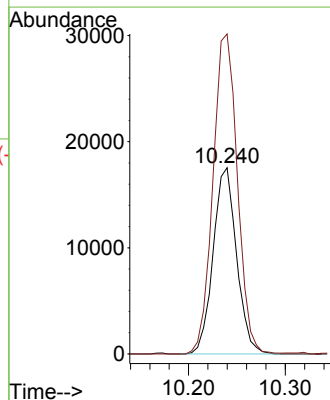
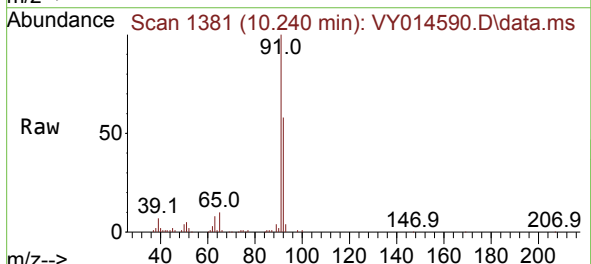
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-08-G

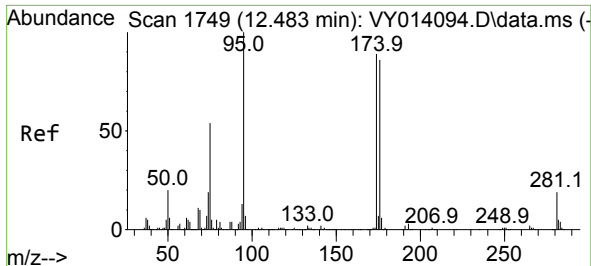
Tgt Ion: 98 Resp: 386151
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1



#52
Toluene
Concen: 5.102 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

Tgt Ion: 92 Resp: 29463
Ion Ratio Lower Upper
92 100
91 179.0 143.8 215.6

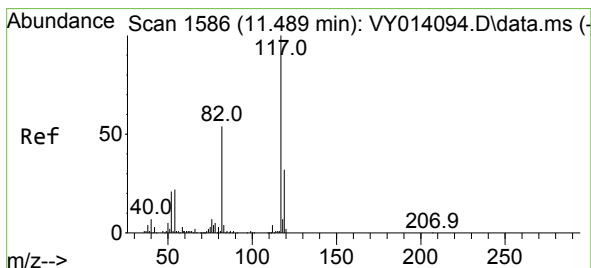
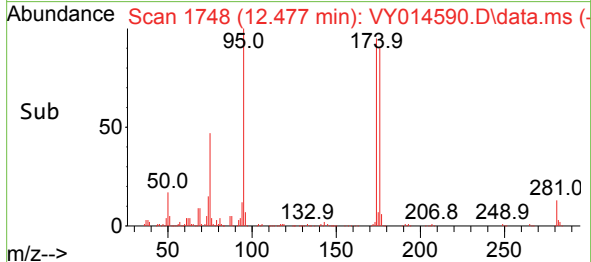
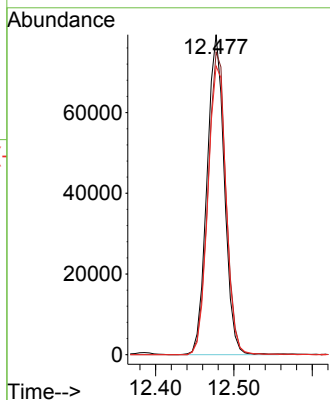
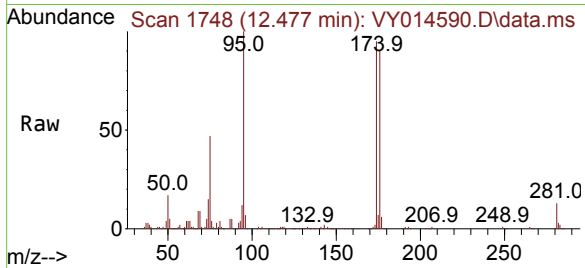




#62
4-Bromofluorobenzene
Concen: 44.784 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

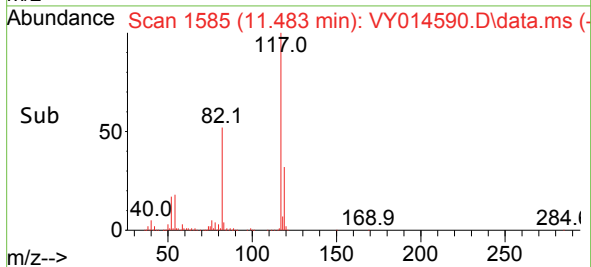
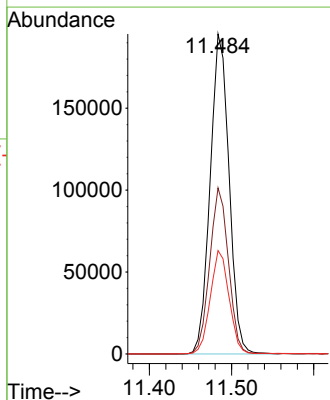
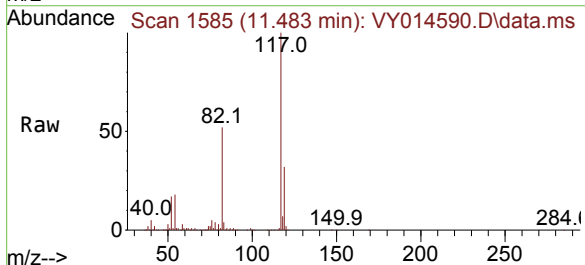
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-08-G

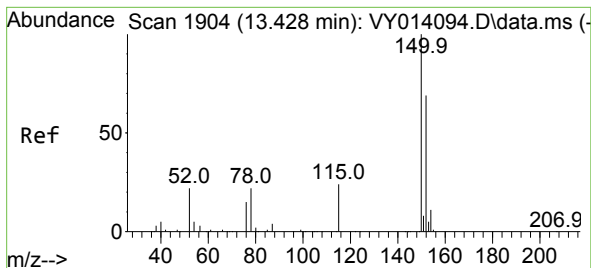
Tgt Ion: 95 Resp: 121689
Ion Ratio Lower Upper
95 100
174 98.3 0.0 178.2
176 94.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

Tgt Ion: 117 Resp: 312255
Ion Ratio Lower Upper
117 100
82 51.9 43.4 65.0
119 32.2 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: VY014590.D

Acq: 06 Jul 2023 15:54

Instrument :

MSVOA_Y

ClientSampleId :

WC-WWS-08-G

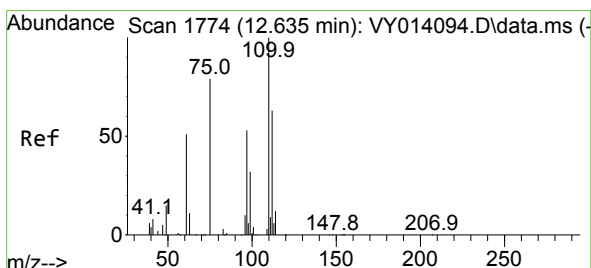
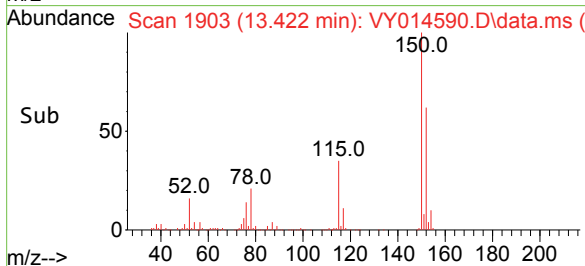
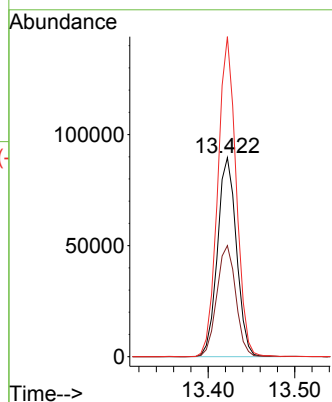
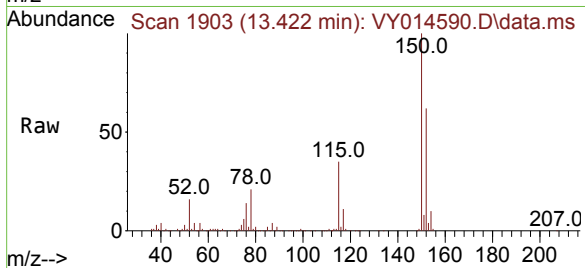
Tgt Ion:152 Resp: 136666

Ion Ratio Lower Upper

152 100

115 56.0 28.8 86.5

150 156.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.053 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014590.D

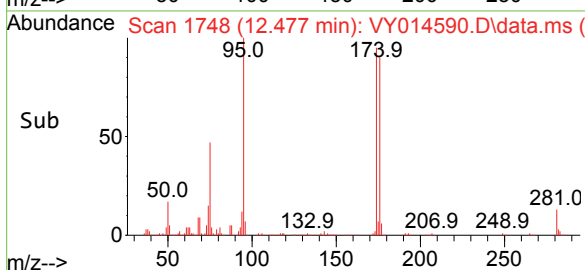
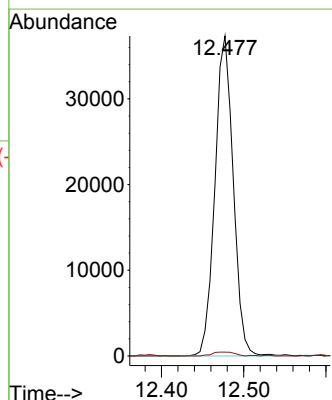
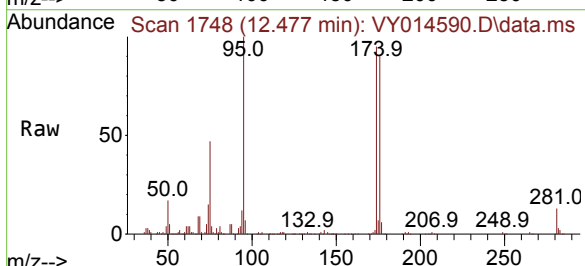
Acq: 06 Jul 2023 15:54

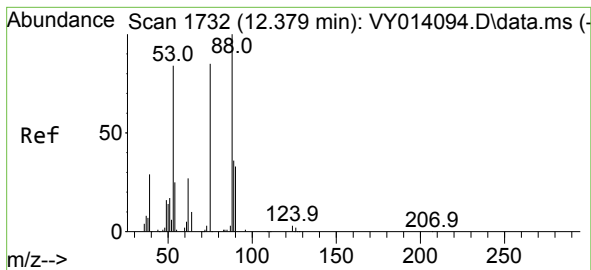
Tgt Ion: 75 Resp: 57819

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.174 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014590.D
Acq: 06 Jul 2023 15:54

Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-08-G

Tgt Ion: 75 Resp: 57819
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.2 37.4 56.0#

