

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036429.D
 Acq On : 06 Jul 2023 12:42
 Operator : JC/MD
 Sample : 03509-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-01-G

Quant Time: Jul 07 01:46:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

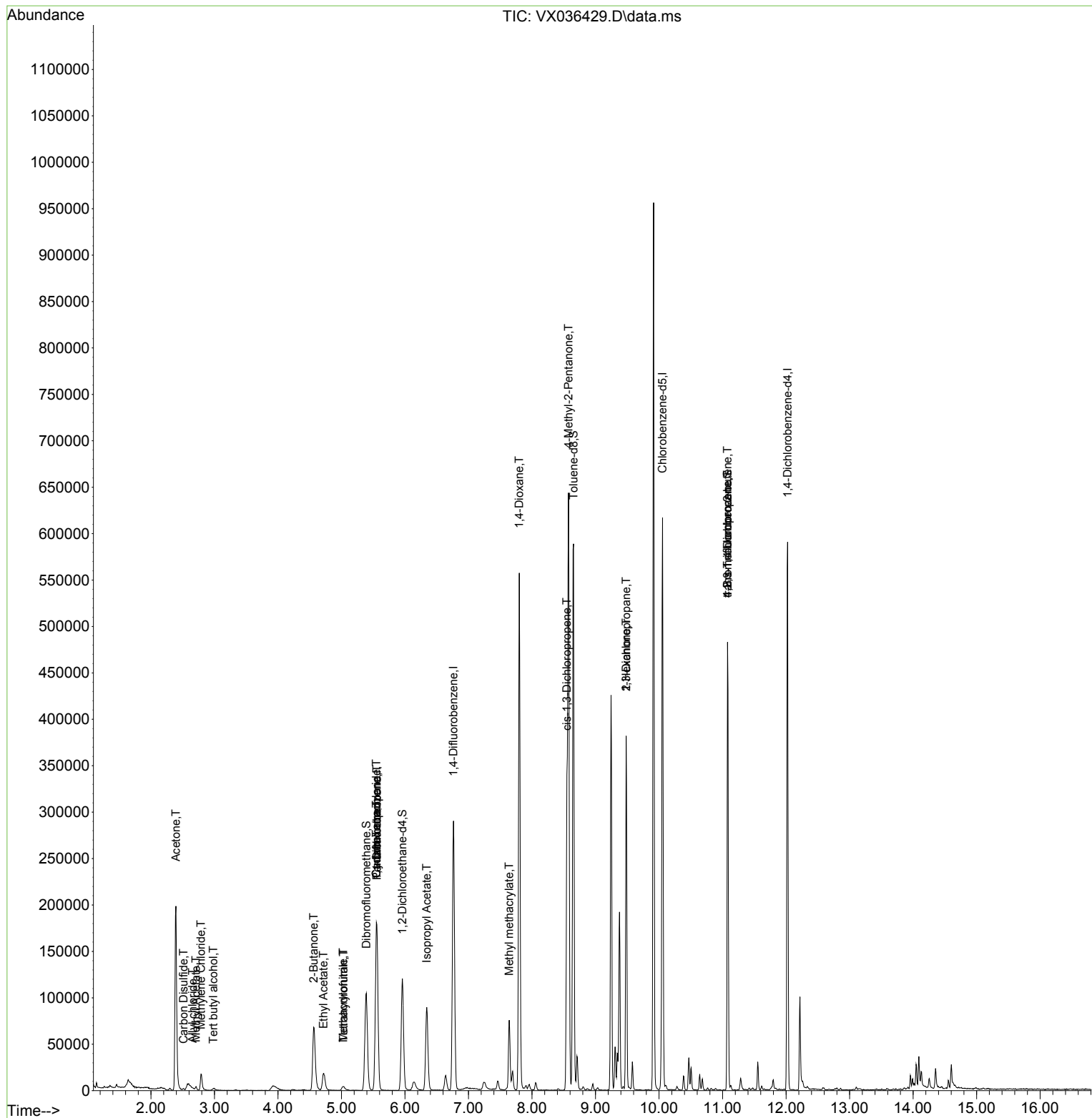
Internal Standards						
1) Pentafluorobenzene	5.556	168	174892	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	295058	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	112958	45.058	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.120%		
35) Dibromofluoromethane	5.391	113	91487	47.024	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.040%		
50) Toluene-d8	8.653	98	358160	49.289	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.580%		
62) 4-Bromofluorobenzene	11.079	95	126840	49.556	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.120%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.983	59	3778	8.279	ug/l	# 93
14) Allyl chloride	2.654	41	2061	0.638	ug/l	# 44
16) Acetone	2.392	43	238658	222.723	ug/l	91
17) Carbon Disulfide	2.514	76	1611	0.330	ug/l	# 73
18) Methyl Acetate	2.709	43	4143	0.940	ug/l	93
20) Methylene Chloride	2.788	84	9183	3.980	ug/l	92
25) 2-Butanone	4.562	43	122479	79.553	ug/l	95
29) Tetrahydrofuran	5.031	42	3946	4.026	ug/l	95
31) Cyclohexane	5.550	56	4050	1.261	ug/l	# 15
36) 1,1-Dichloropropene	5.556	75	12688	4.375	ug/l	# 51
37) Ethyl Acetate	4.714	43	35067	11.864	ug/l	98
38) Carbon Tetrachloride	5.550	117	17716	6.689	ug/l	# 15
41) Methacrylonitrile	5.025	41	2723	1.661	ug/l	# 47
43) Isopropyl Acetate	6.342	43	123042	26.094	ug/l	98
48) Methyl methacrylate	7.641	41	2757	1.173	ug/l	# 21
49) 1,4-Dioxane	7.799	88	18	0.345	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.573	43	461774	152.005	ug/l	89
54) cis-1,3-Dichloropropene	8.549	75	48129	15.007	ug/l	# 60
57) 1,3-Dichloropropane	9.482	76	3229	0.883	ug/l	# 42
59) 2-Hexanone	9.482	43	42169	19.009	ug/l	# 56
76) 1,2,3-Trichloropropane	11.079	75	64141	24.994	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	64141	81.474	ug/l	# 5

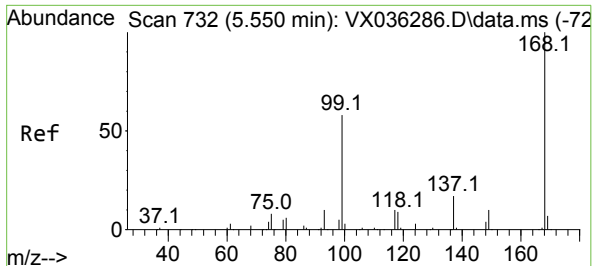
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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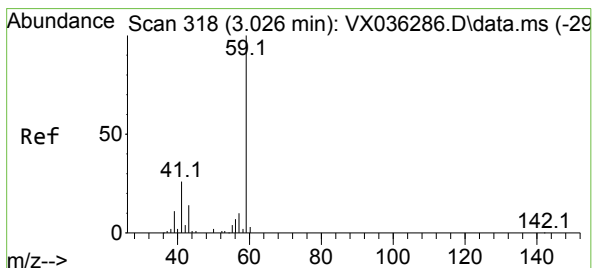
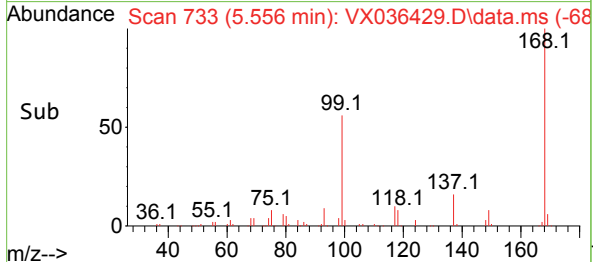
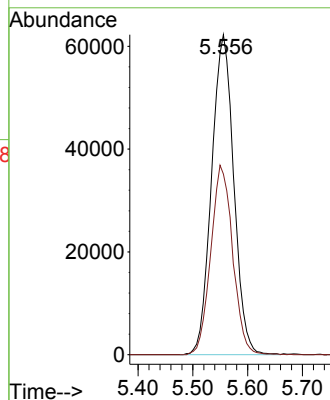
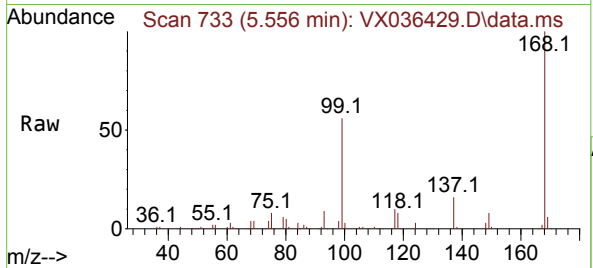




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

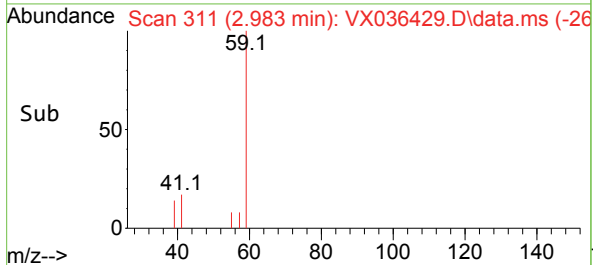
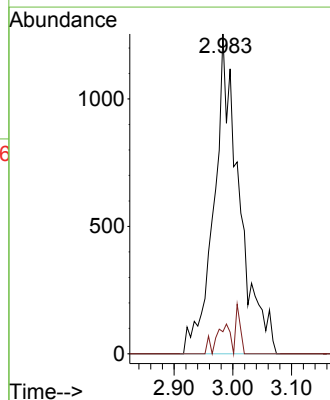
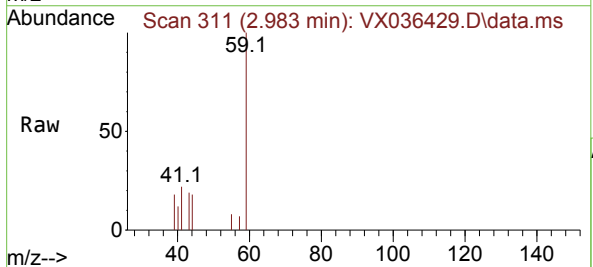
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-01-G

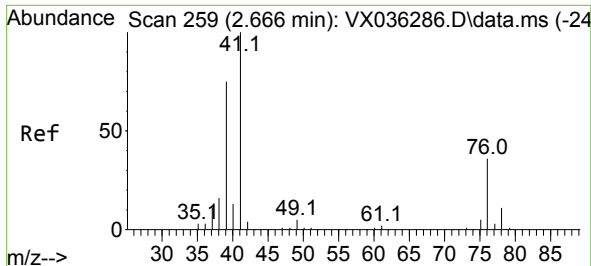
Tgt Ion:168 Resp: 174892
Ion Ratio Lower Upper
168 100
99 56.4 56.6 85.0#



#11
Tert butyl alcohol
Concen: 8.279 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.030 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

Tgt Ion: 59 Resp: 3778
Ion Ratio Lower Upper
59 100
57 5.0 6.0 9.0#

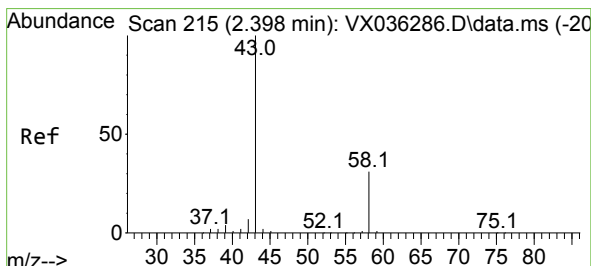
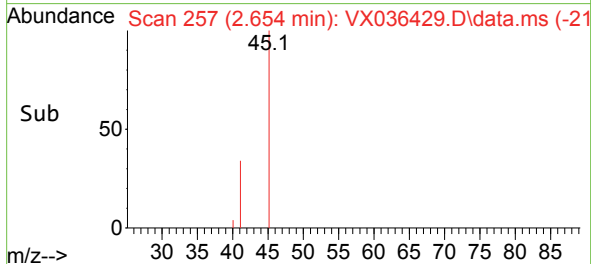
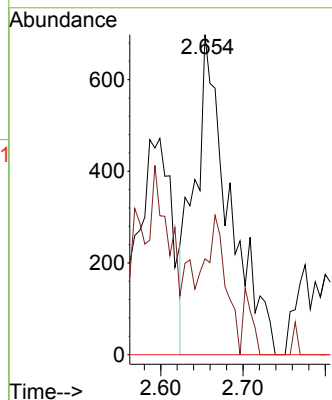
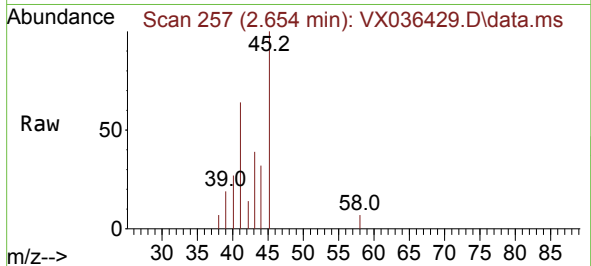




#14
 Allyl chloride
 Concen: 0.638 ug/l
 RT: 2.654 min Scan# 214
 Delta R.T. -0.012 min
 Lab File: VX036429.D
 Acq: 06 Jul 2023 12:42

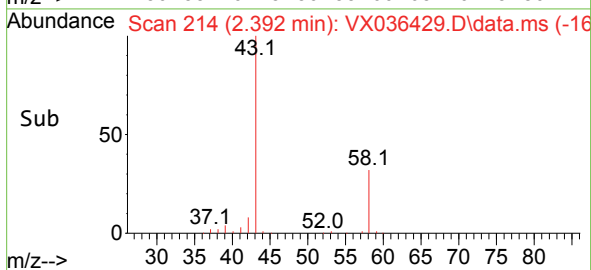
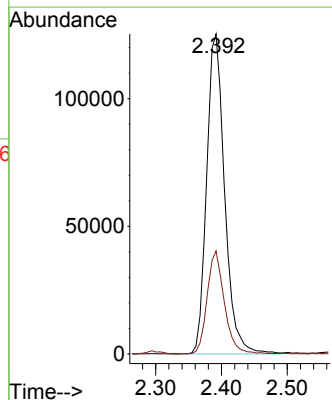
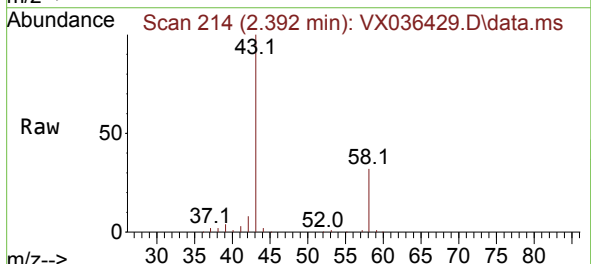
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-01-G

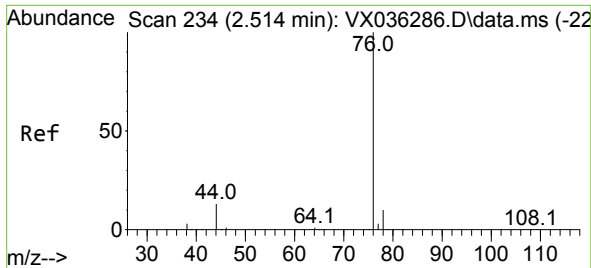
Tgt Ion: 41 Resp: 2061
 Ion Ratio Lower Upper
 41 100
 39 23.8 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 222.723 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.012 min
 Lab File: VX036429.D
 Acq: 06 Jul 2023 12:42

Tgt Ion: 43 Resp: 238658
 Ion Ratio Lower Upper
 43 100
 58 32.1 21.9 32.9

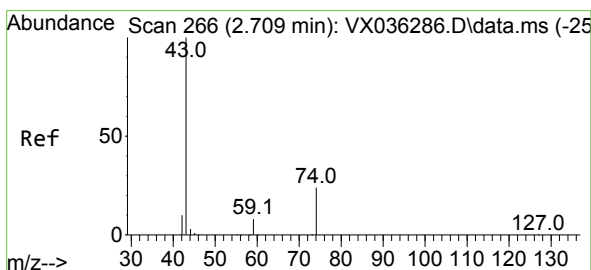
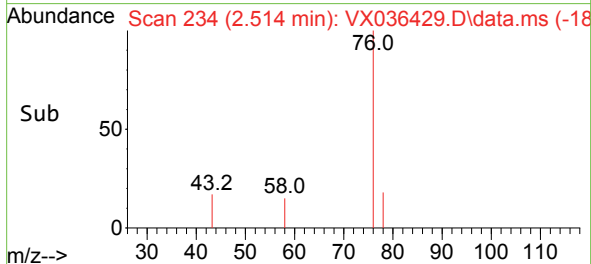
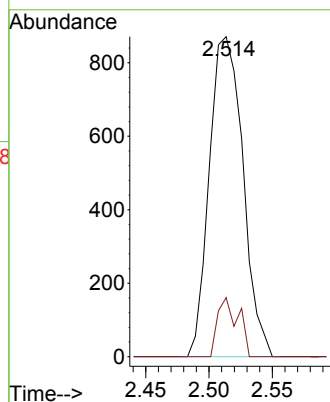
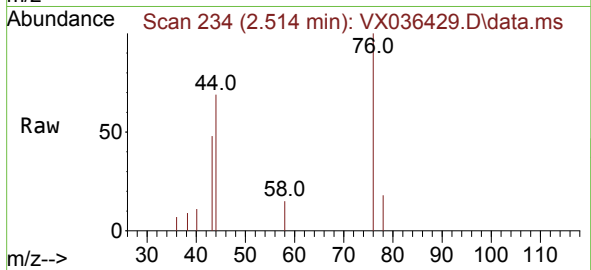




#17
Carbon Disulfide
Concen: 0.330 ug/l
RT: 2.514 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

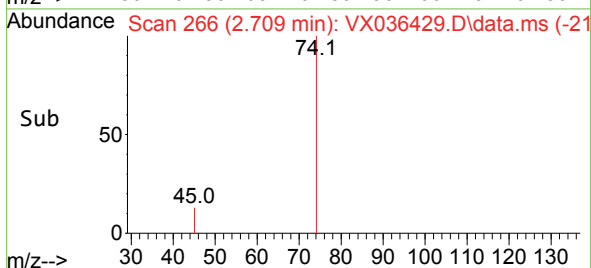
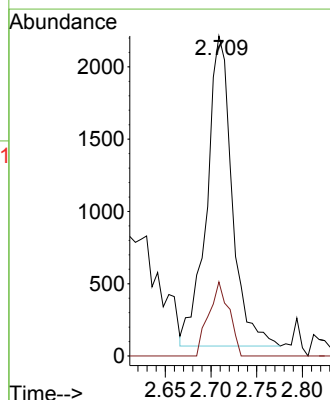
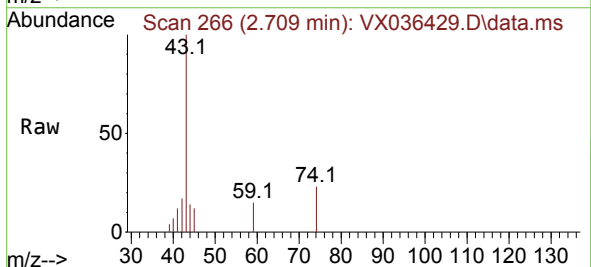
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-01-G

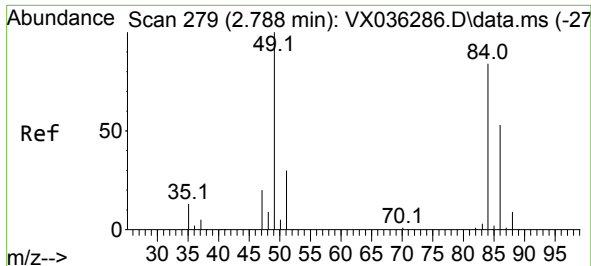
Tgt Ion: 76 Resp: 1611
Ion Ratio Lower Upper
76 100
78 18.5 7.0 10.6#



#18
Methyl Acetate
Concen: 0.940 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

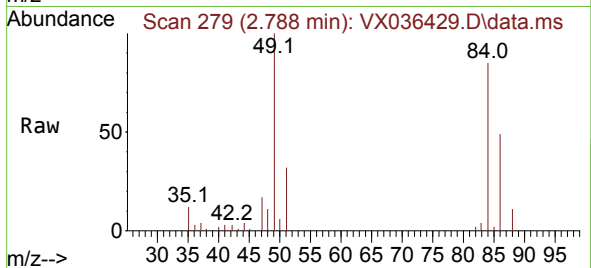
Tgt Ion: 43 Resp: 4143
Ion Ratio Lower Upper
43 100
74 19.2 17.8 26.8



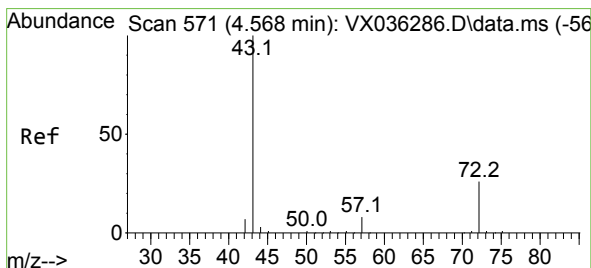
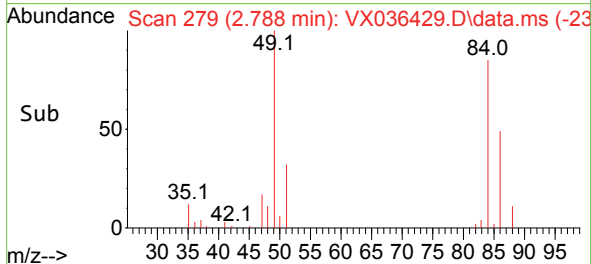
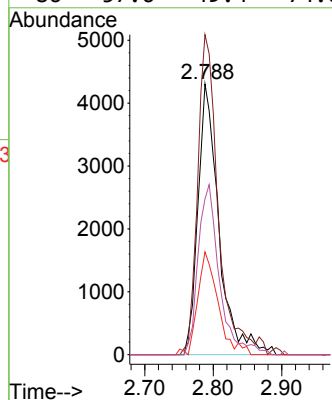


#20
Methylene Chloride
Concen: 3.980 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-01-G

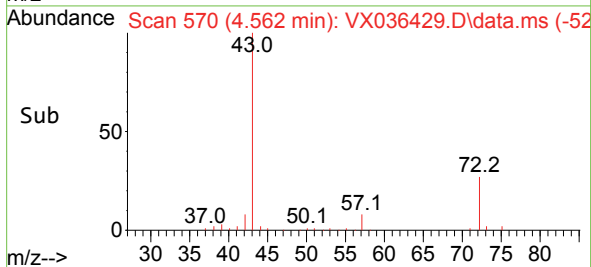
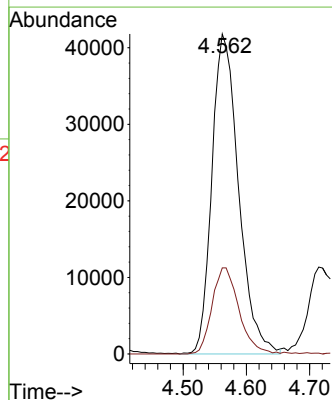
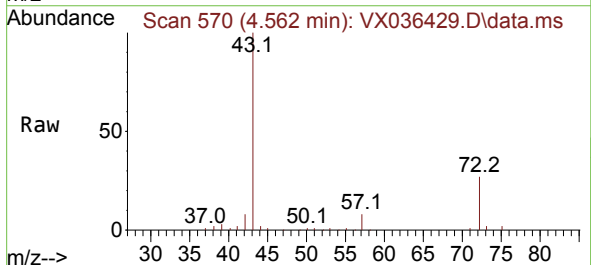


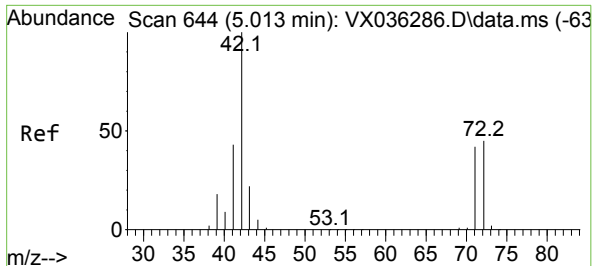
Tgt Ion: 84	Resp: 9183
Ion Ratio	Lower Upper
84 100	
49 118.2	103.6 155.4
51 37.9	33.8 50.6
86 57.6	49.4 74.0



#25
2-Butanone
Concen: 79.553 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

Tgt Ion: 43	Resp: 122479
Ion Ratio	Lower Upper
43 100	
72 26.9	19.4 29.2





#29

Tetrahydrofuran

Concen: 4.026 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX036429.D

Acq: 06 Jul 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-01-G

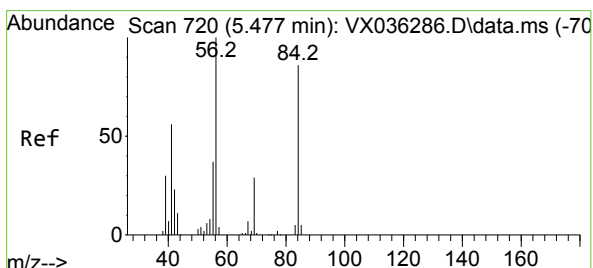
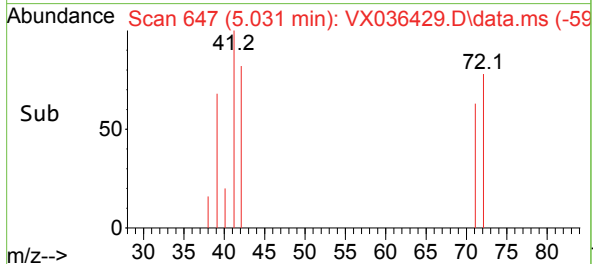
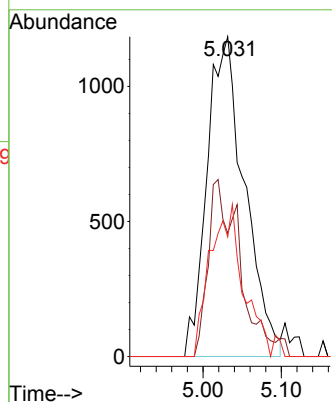
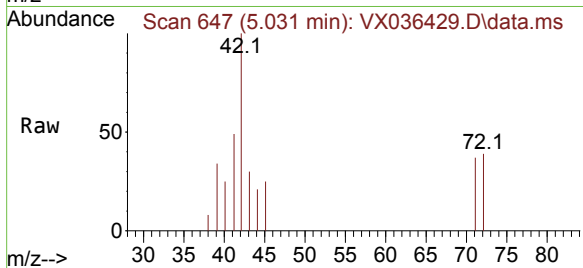
Tgt Ion: 42 Resp: 3946

Ion Ratio Lower Upper

42 100

72 47.3 34.2 51.4

71 41.6 32.2 48.2



#31

Cyclohexane

Concen: 1.261 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036429.D

Acq: 06 Jul 2023 12:42

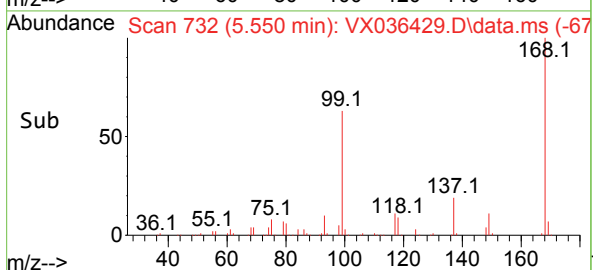
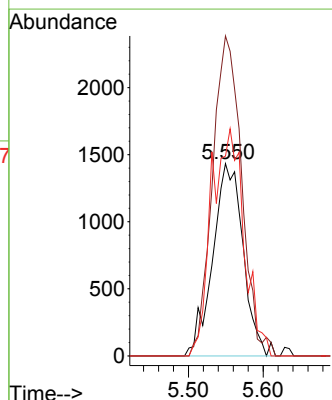
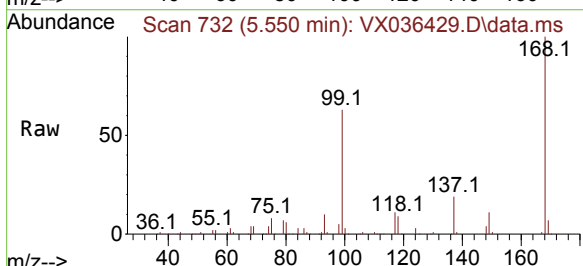
Tgt Ion: 56 Resp: 4050

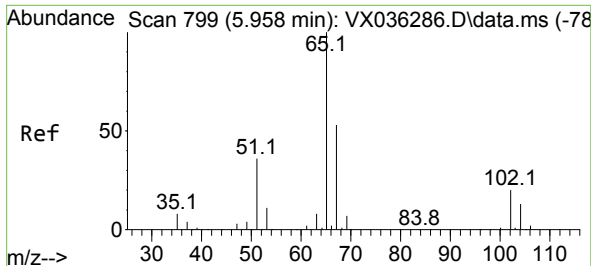
Ion Ratio Lower Upper

56 100

69 166.4 23.4 35.2#

84 103.9 65.9 98.9#

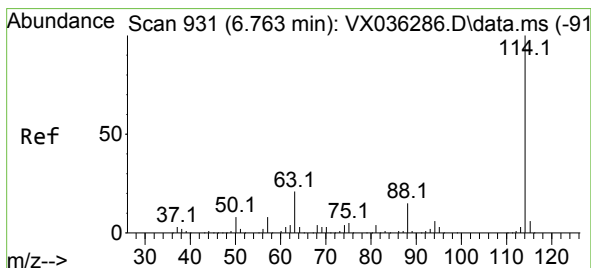
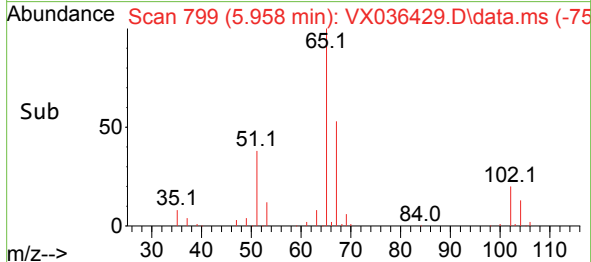
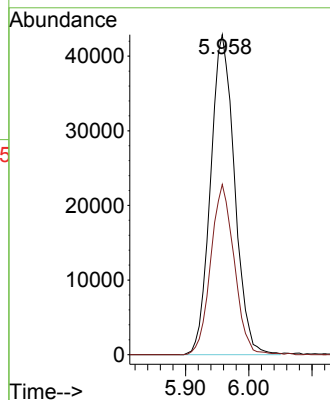
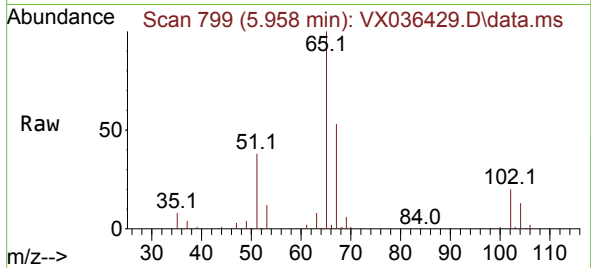




#33
1,2-Dichloroethane-d4
Concen: 45.058 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

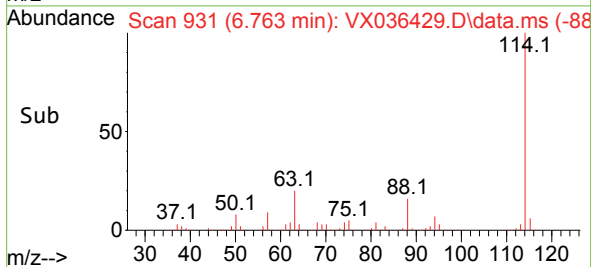
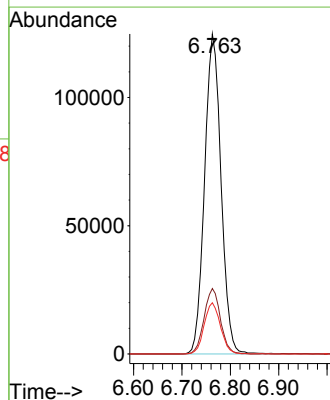
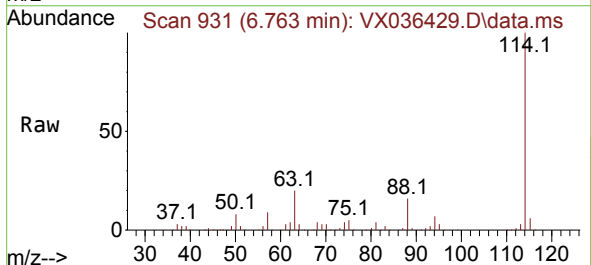
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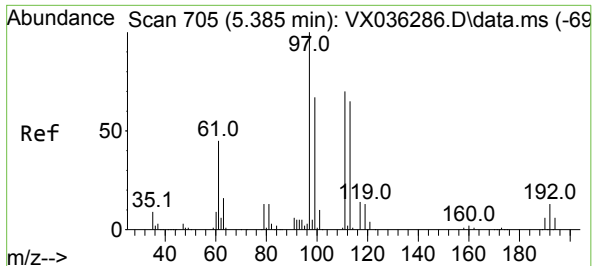
Tgt Ion: 65 Resp: 112958
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

Tgt Ion: 114 Resp: 295058
Ion Ratio Lower Upper
114 100
63 20.4 0.0 45.0
88 16.0 0.0 36.6

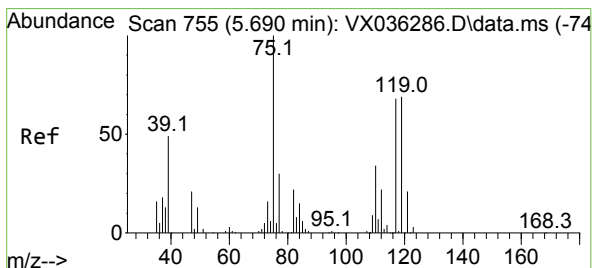
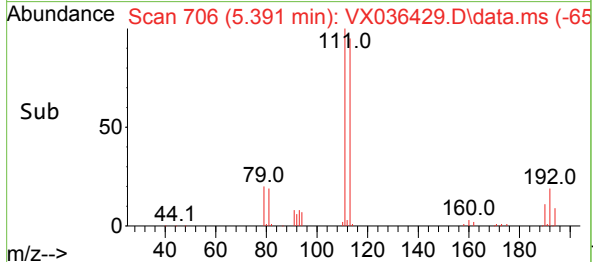
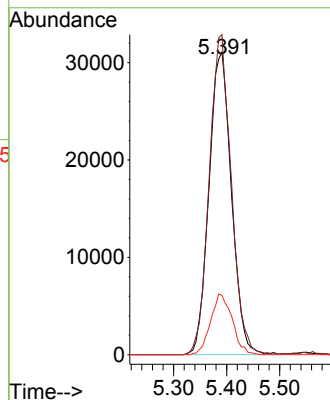
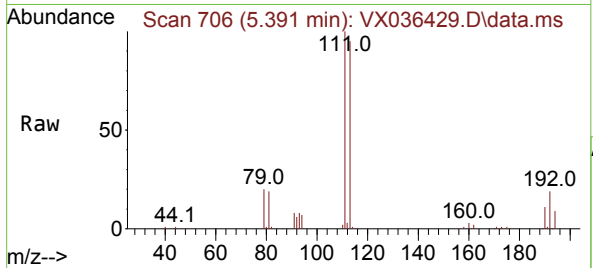




#35
Dibromofluoromethane
Concen: 47.024 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

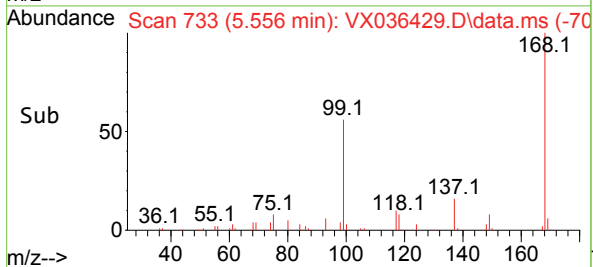
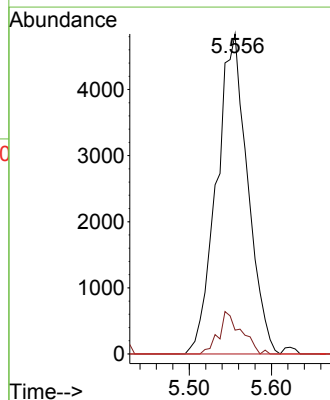
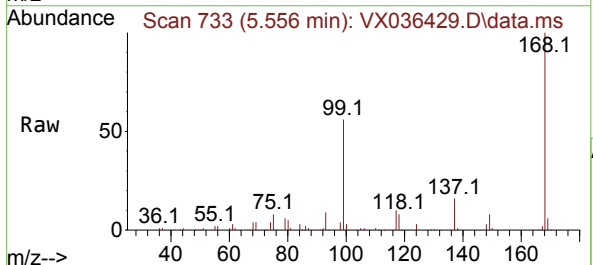
Instrument :
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WC-WWS-01-G

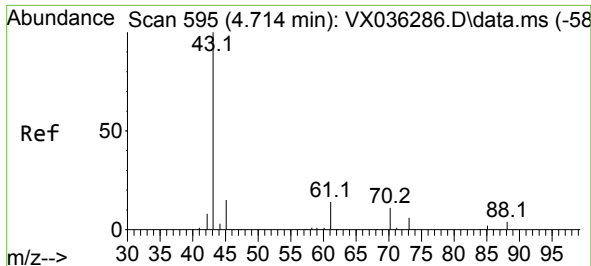
Tgt Ion:113 Resp: 91487
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 19.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.375 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

Tgt Ion: 75 Resp: 12688
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 11.864 ug/l

RT: 4.714 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX036429.D

Acq: 06 Jul 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-01-G

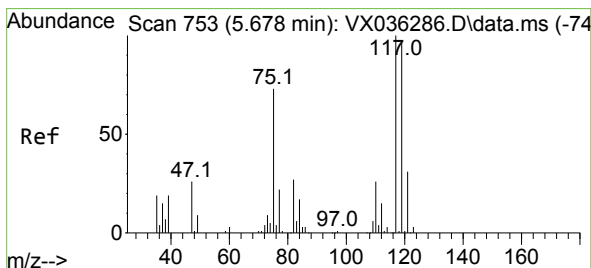
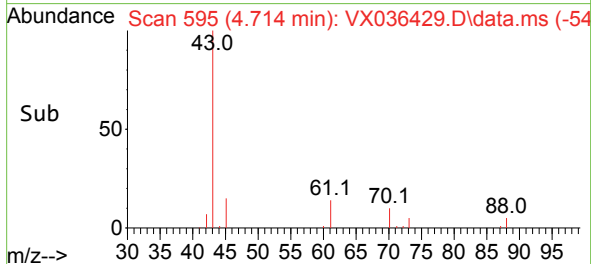
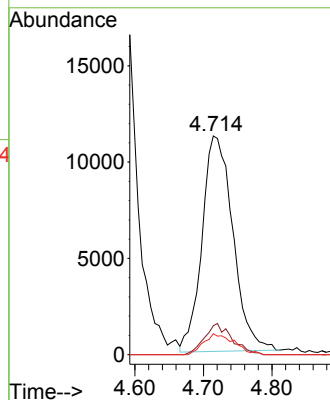
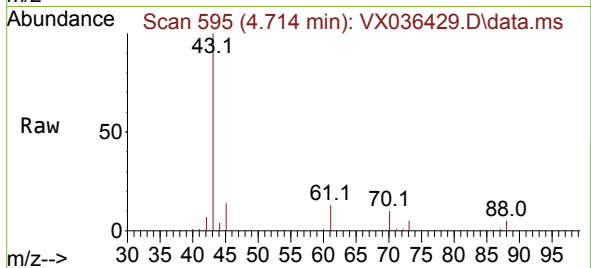
Tgt Ion: 43 Resp: 35067

Ion Ratio Lower Upper

43 100

61 12.8 10.6 16.0

70 9.6 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.689 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX036429.D

Acq: 06 Jul 2023 12:42

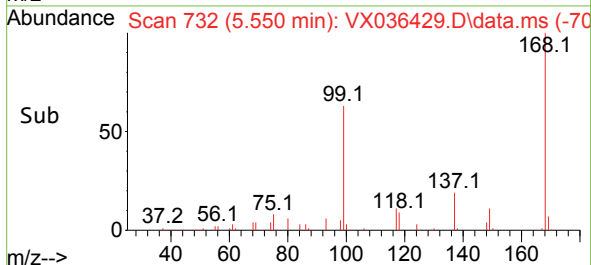
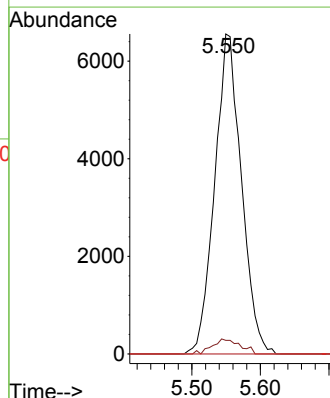
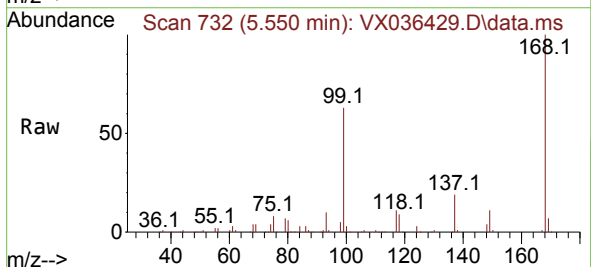
Tgt Ion: 117 Resp: 17716

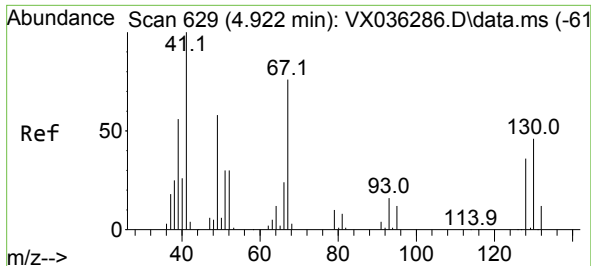
Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

121 0.0 24.4 36.6#

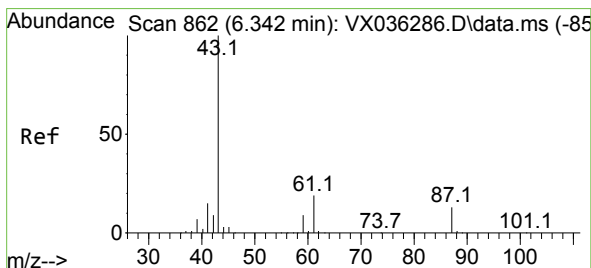
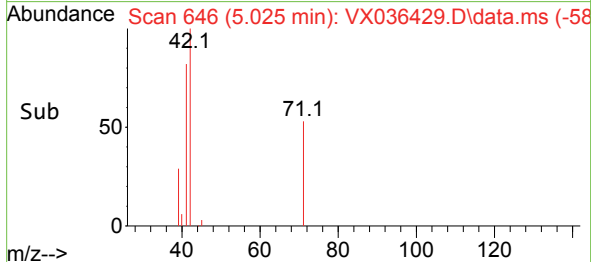
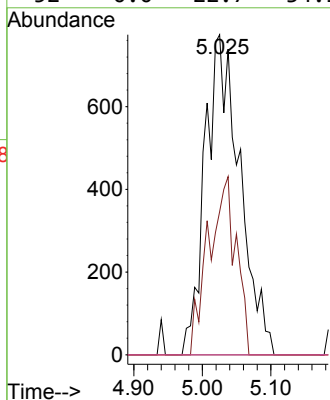
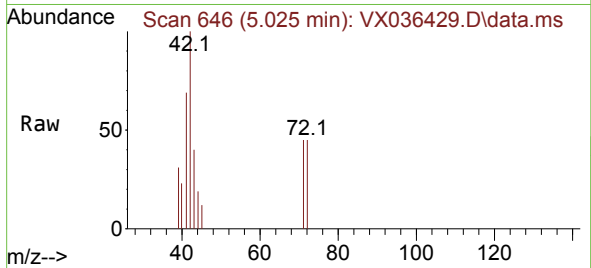




#41
Methacrylonitrile
Concen: 1.661 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.103 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

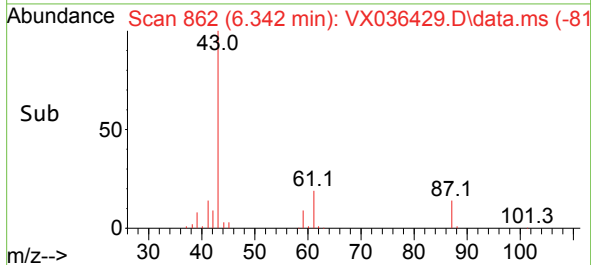
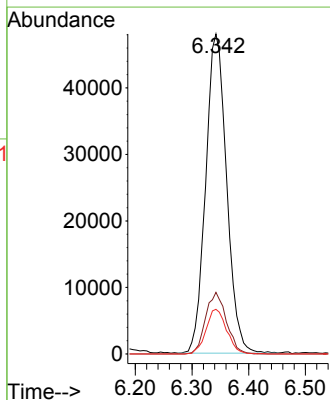
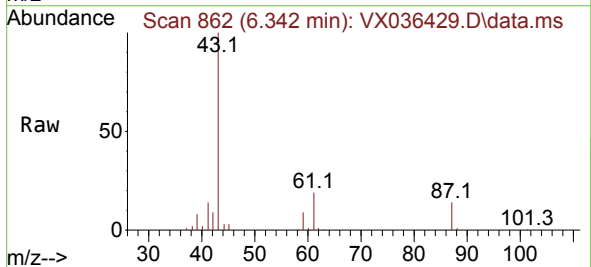
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-01-G

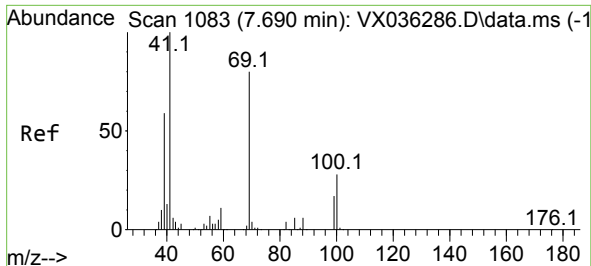
Tgt Ion: 41 Resp: 2723
Ion Ratio Lower Upper
41 100
39 44.3 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 26.094 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

Tgt Ion: 43 Resp: 123042
Ion Ratio Lower Upper
43 100
61 19.2 15.2 22.8
87 13.8 9.8 14.6

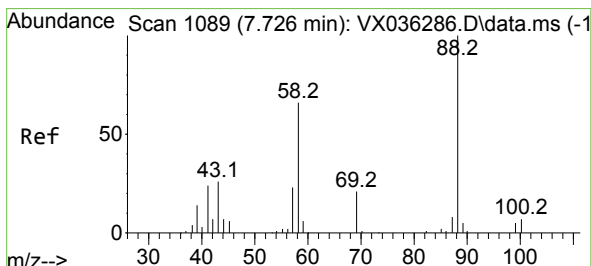
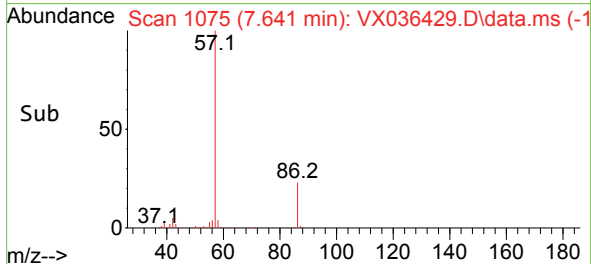
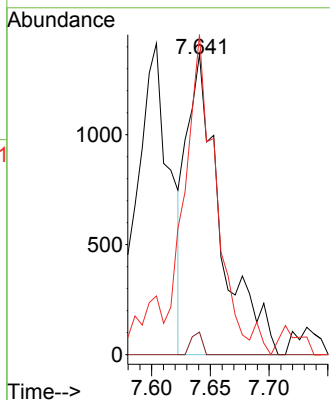
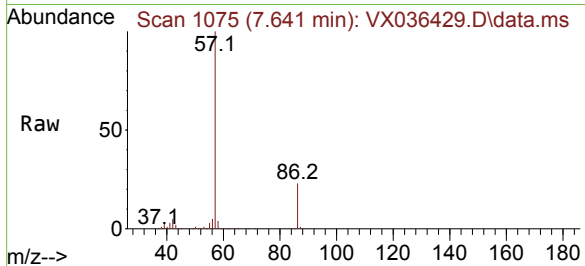




#48
Methyl methacrylate
Concen: 1.173 ug/l
RT: 7.641 min Scan# 1101
Delta R.T. -0.048 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

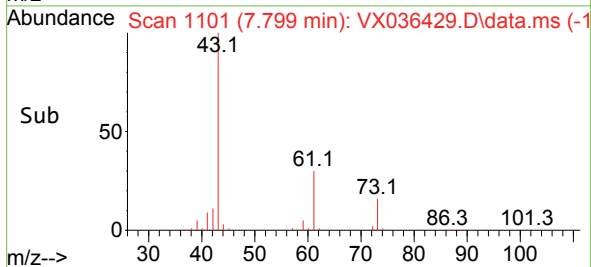
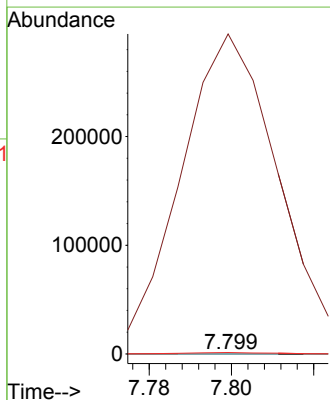
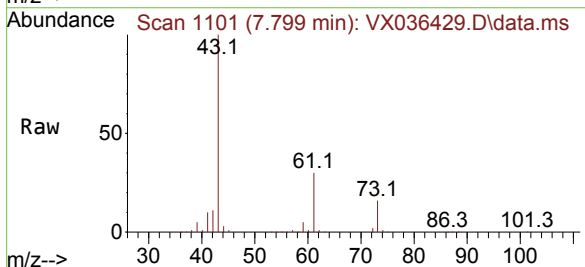
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-01-G

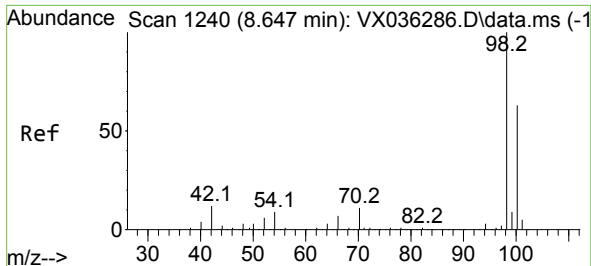
Tgt Ion: 41 Resp: 2757
Ion Ratio Lower Upper
41 100
69 2.4 59.2 88.8#
39 114.5 47.7 71.5#



#49
1,4-Dioxane
Concen: 0.345 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.067 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 2759355.6 0.0 0.0#
58 11511.1 60.1 90.1#

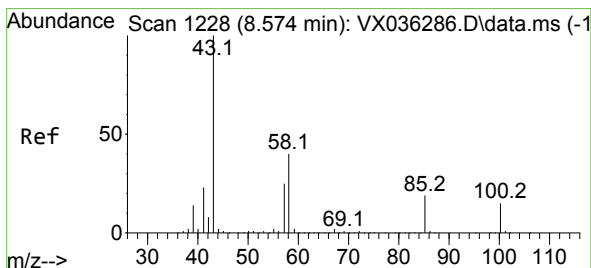
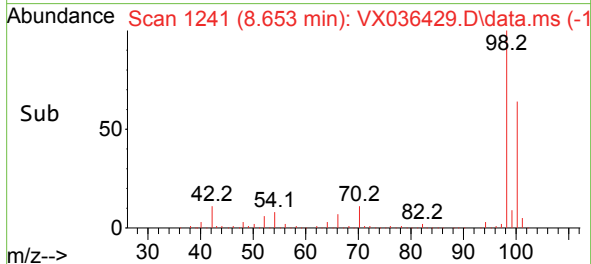
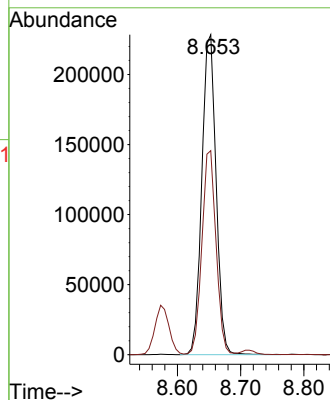
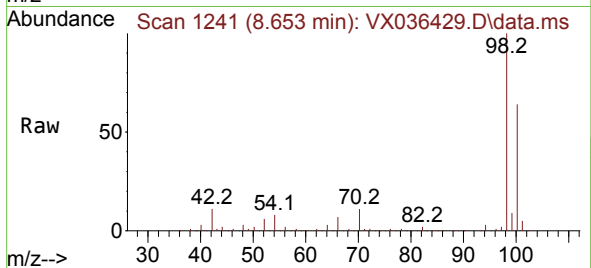




#50
Toluene-d8
Concen: 49.289 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

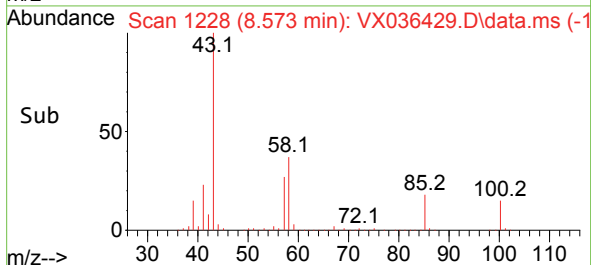
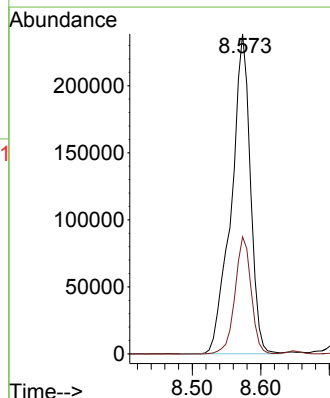
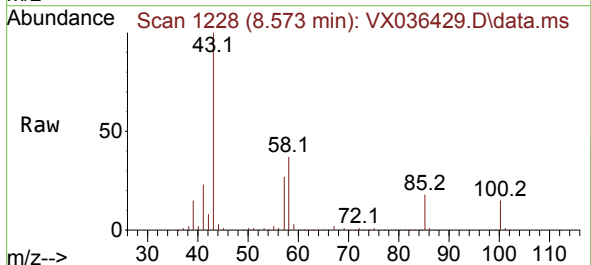
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-01-G

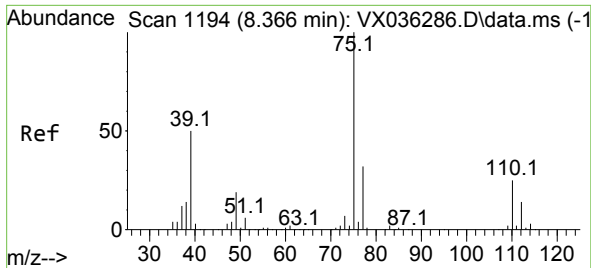
Tgt Ion: 98 Resp: 358160
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 152.005 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

Tgt Ion: 43 Resp: 461774
Ion Ratio Lower Upper
43 100
58 31.1 30.4 45.6

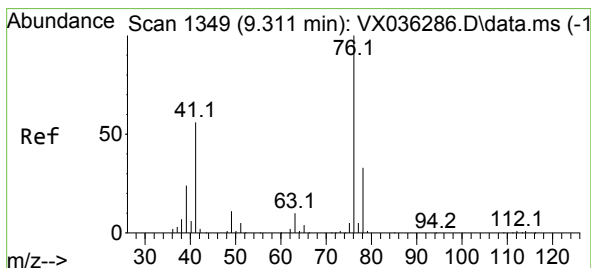
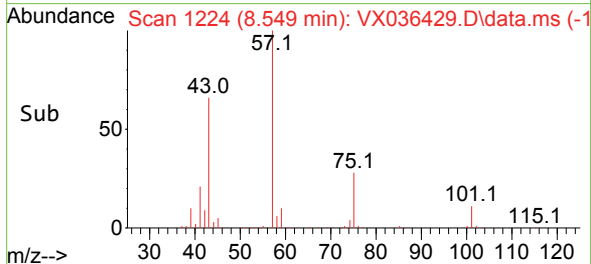
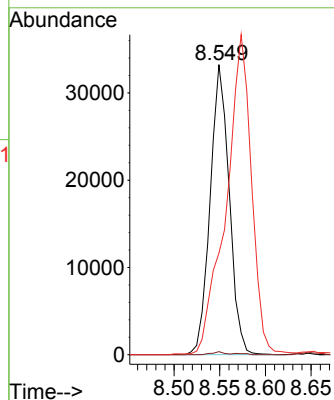
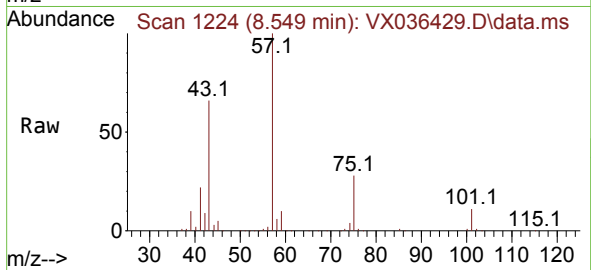




#54
 cis-1,3-Dichloropropene
 Concen: 15.007 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036429.D
 Acq: 06 Jul 2023 12:42

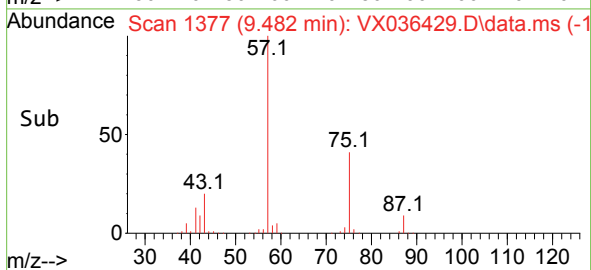
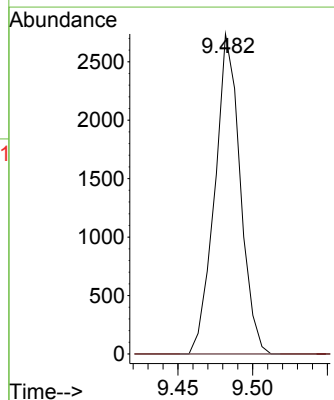
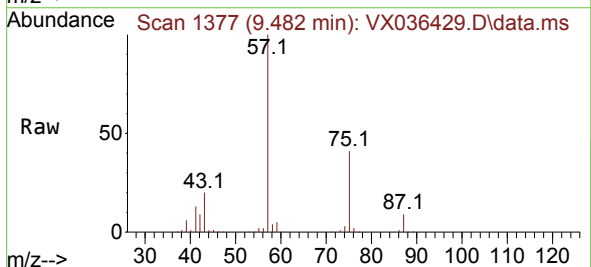
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-01-G

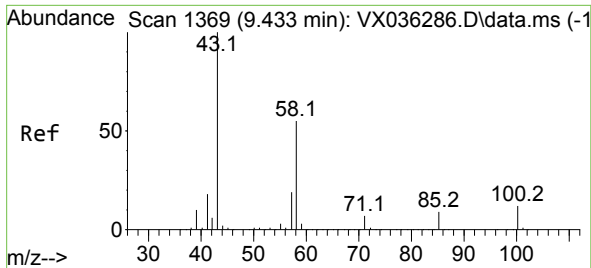
Tgt Ion: 75 Resp: 48129
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.3 37.9#
 39 34.7 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 0.883 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036429.D
 Acq: 06 Jul 2023 12:42

Tgt Ion: 76 Resp: 3229
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

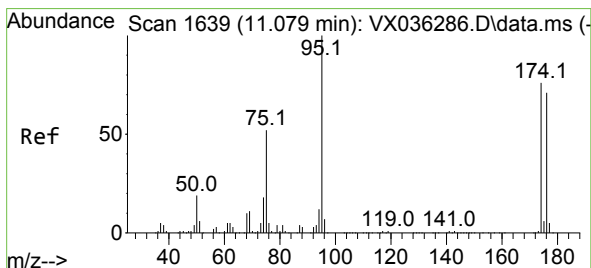
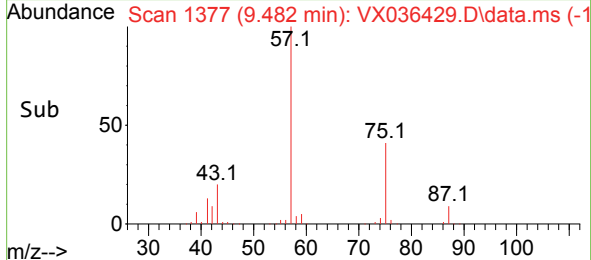
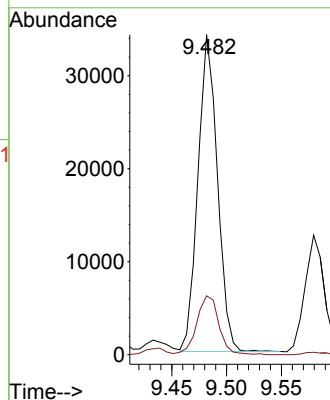
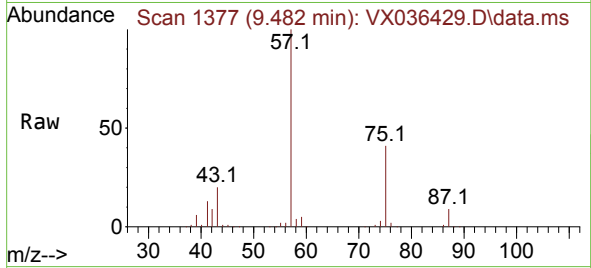




#59
2-Hexanone
Concen: 19.009 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

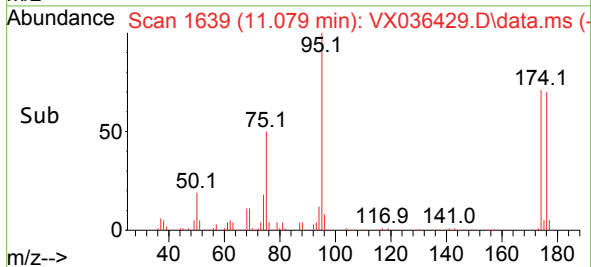
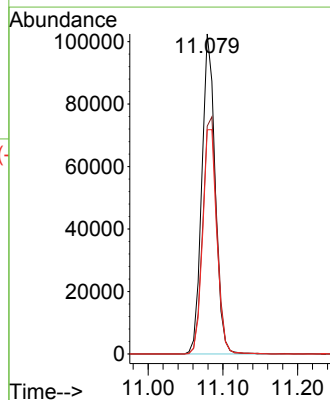
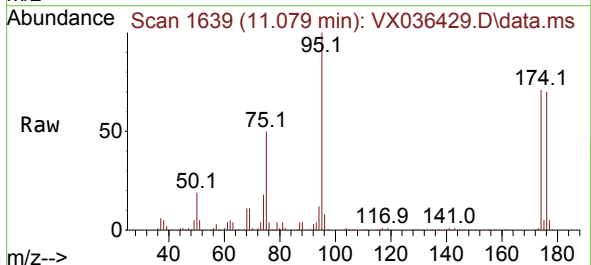
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-01-G

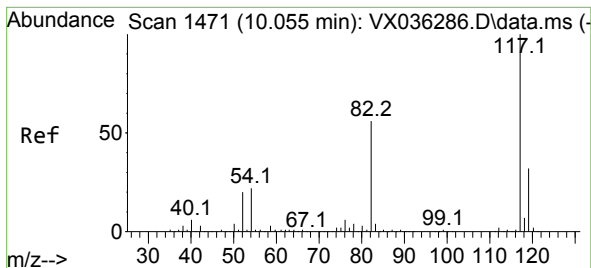
Tgt Ion: 43 Resp: 42169
Ion Ratio Lower Upper
43 100
58 21.1 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.556 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036429.D
Acq: 06 Jul 2023 12:42

Tgt Ion: 95 Resp: 126840
Ion Ratio Lower Upper
95 100
174 79.0 0.0 135.6
176 74.7 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX036429.D

Acq: 06 Jul 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-01-G

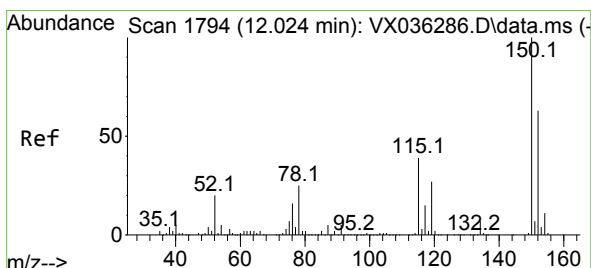
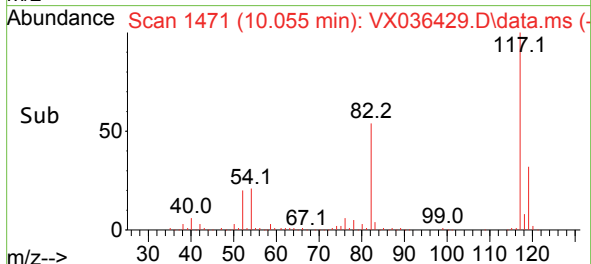
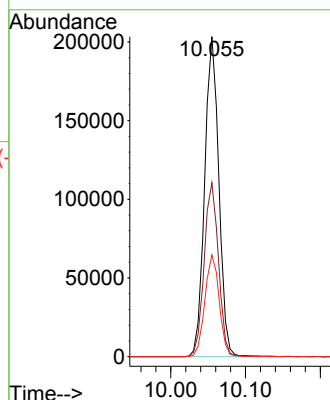
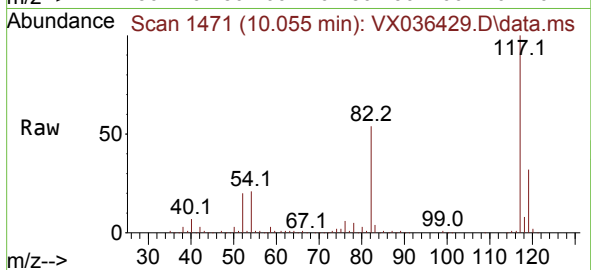
Tgt Ion:117 Resp: 268044

Ion Ratio Lower Upper

117 100

82 54.3 46.2 69.4

119 31.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036429.D

Acq: 06 Jul 2023 12:42

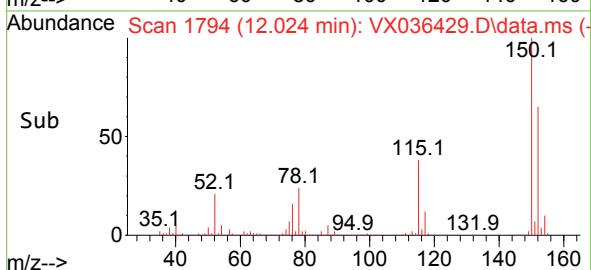
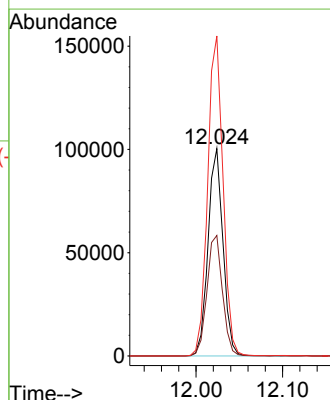
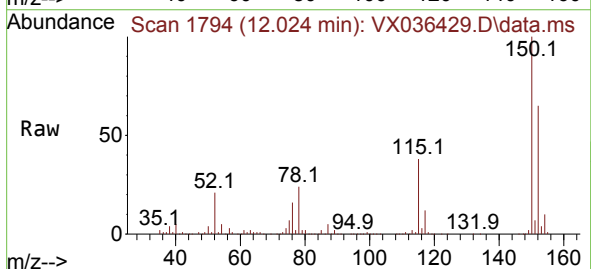
Tgt Ion:152 Resp: 120311

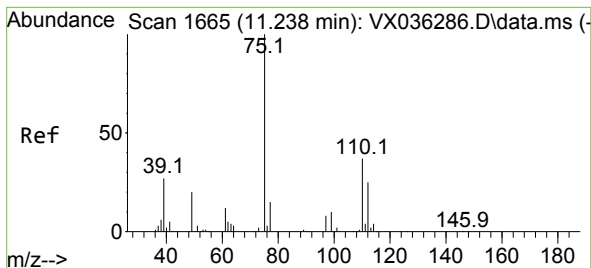
Ion Ratio Lower Upper

152 100

115 60.4 43.3 129.9

150 158.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.994 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036429.D

Acq: 06 Jul 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

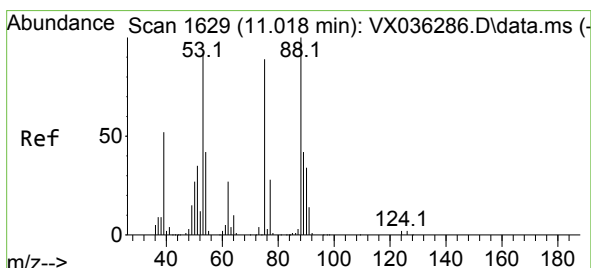
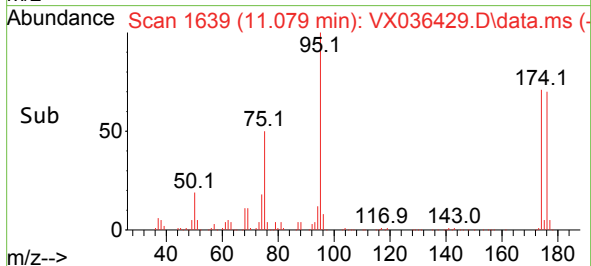
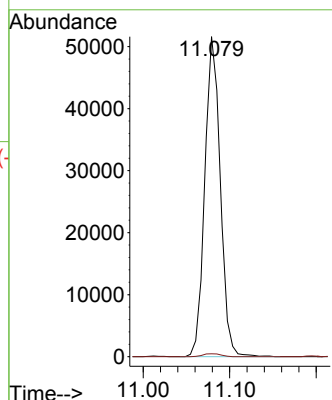
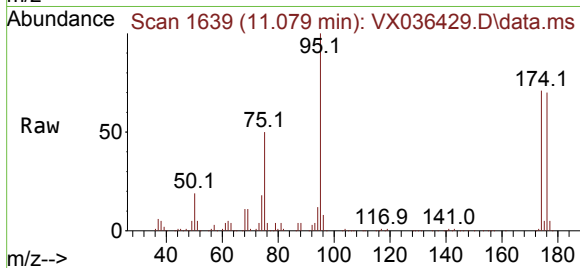
WC-WWS-01-G

Tgt Ion: 75 Resp: 64141

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.474 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036429.D

Acq: 06 Jul 2023 12:42

Tgt Ion: 75 Resp: 64141

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

