

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036430.D
 Acq On : 06 Jul 2023 13:06
 Operator : JC/MD
 Sample : 03509-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-02-G

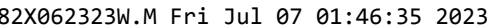
Quant Time: Jul 07 01:46:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

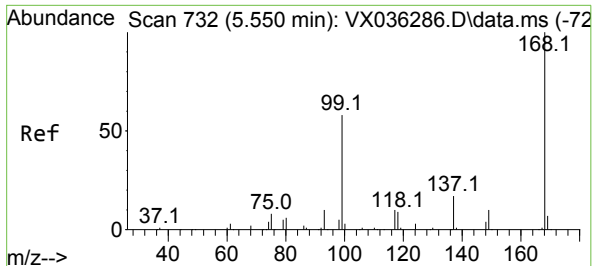
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	166696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	283026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	256525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	107102	44.822	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.640%		
35) Dibromofluoromethane	5.391	113	88840	47.605	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.200%		
50) Toluene-d8	8.653	98	340620	48.868	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.740%		
62) 4-Bromofluorobenzene	11.079	95	120132	48.931	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.860%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.995	59	4610	10.599	ug/l #	95
13) Acrolein	2.239	56	241	0.403	ug/l #	1
14) Allyl chloride	2.666	41	2029	0.659	ug/l #	45
16) Acetone	2.386	43	232820	227.958	ug/l	94
17) Carbon Disulfide	2.514	76	1055	0.227	ug/l #	91
18) Methyl Acetate	2.709	43	3088	0.735	ug/l	99
20) Methylene Chloride	2.794	84	12340	5.612	ug/l #	93
25) 2-Butanone	4.562	43	118491	80.747	ug/l	94
29) Tetrahydrofuran	5.013	42	2154	2.306	ug/l #	21
31) Cyclohexane	5.544	56	3804	1.242	ug/l #	3
36) 1,1-Dichloropropene	5.550	75	13583	4.883	ug/l #	51
37) Ethyl Acetate	4.721	43	39928	14.083	ug/l	95
38) Carbon Tetrachloride	5.562	117	16349	6.435	ug/l #	19
41) Methacrylonitrile	5.025	41	2818	1.792	ug/l #	47
43) Isopropyl Acetate	6.342	43	145132	32.088	ug/l	97
48) Methyl methacrylate	7.604	41	2796	1.240	ug/l #	16
49) 1,4-Dioxane	7.738	88	22	0.440	ug/l #	12
51) 4-Methyl-2-Pentanone	8.573	43	449173	154.143	ug/l	90
54) cis-1,3-Dichloropropene	8.549	75	53050	17.244	ug/l #	59
56) Ethyl methacrylate	9.043	69	633	0.207	ug/l #	22
57) 1,3-Dichloropropane	9.482	76	5392	1.537	ug/l #	42
59) 2-Hexanone	9.482	43	70465	33.114	ug/l #	52
74) N-amyl acetate	10.817	43	1078	0.317	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	62843	25.833	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	62843	84.209	ug/l #	5

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

Quant Time: Jul 07 01:46:25 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

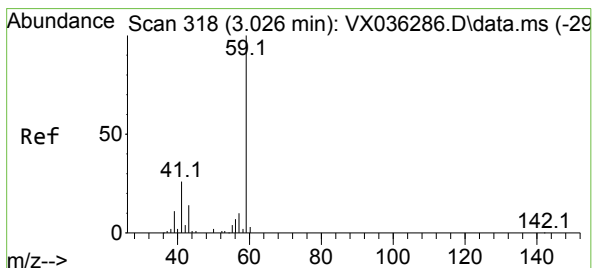
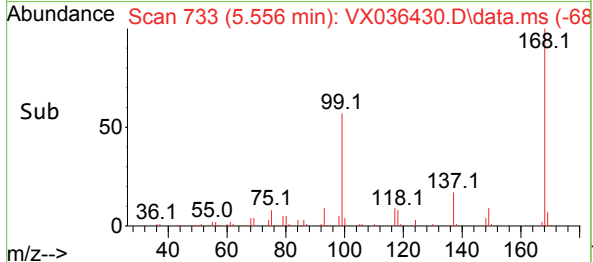
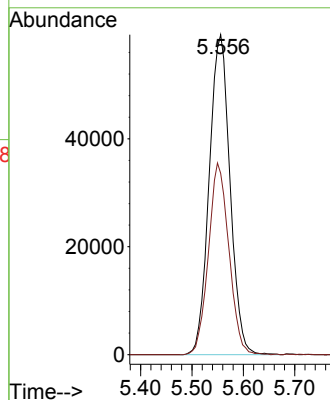
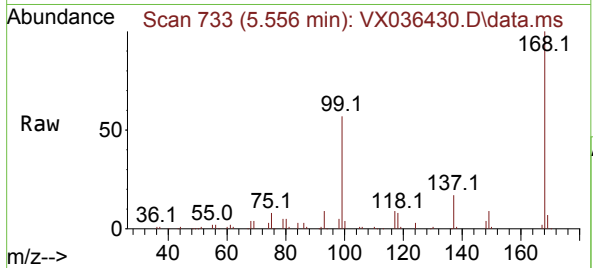




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

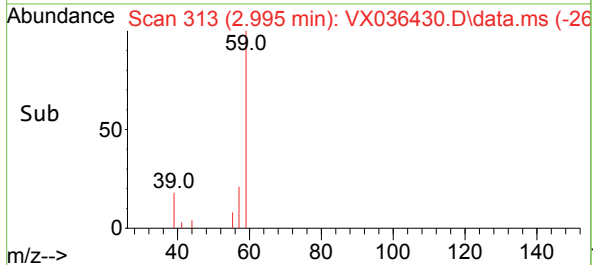
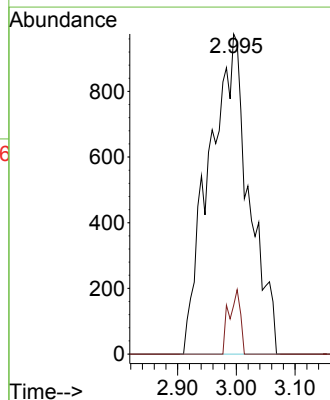
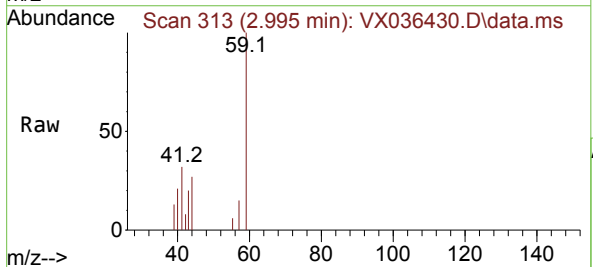
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-02-G

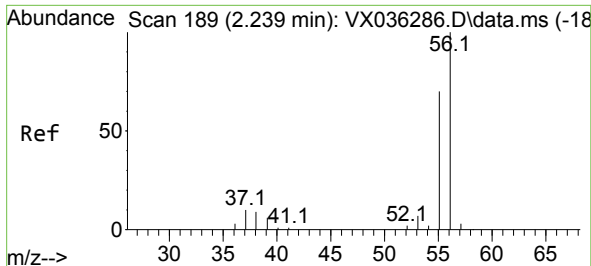
Tgt Ion:168 Resp: 166696
Ion Ratio Lower Upper
168 100
99 56.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 10.599 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.018 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion: 59 Resp: 4610
Ion Ratio Lower Upper
59 100
57 5.7 6.0 9.0#





#13

Acrolein

Concen: 0.403 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX036430.D

Acq: 06 Jul 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

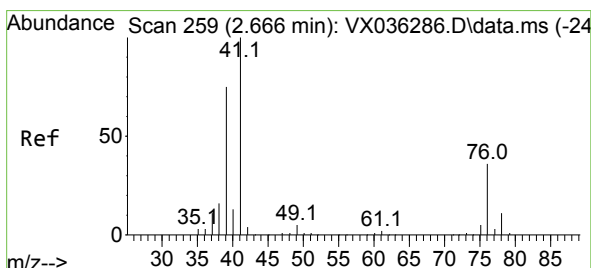
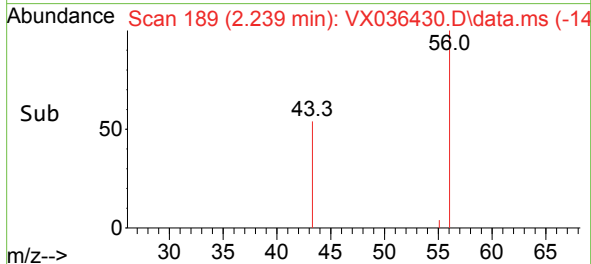
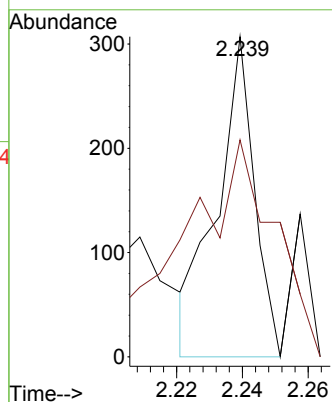
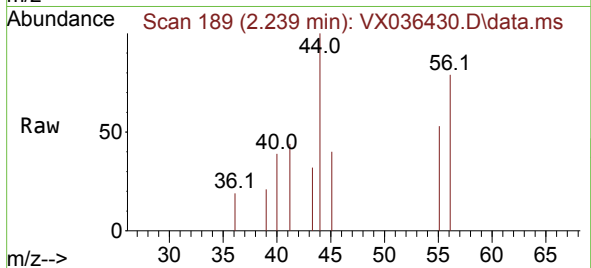
WC-WWS-02-G

Tgt Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 159.8 57.1 85.7#



#14

Allyl chloride

Concen: 0.659 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX036430.D

Acq: 06 Jul 2023 13:06

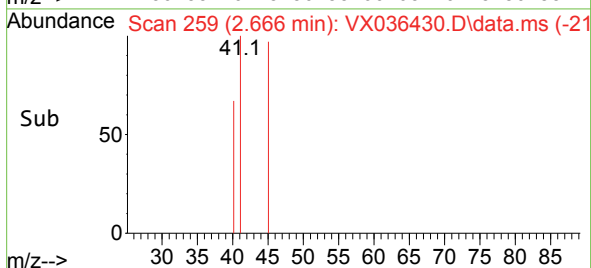
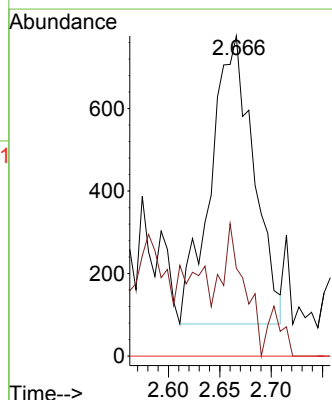
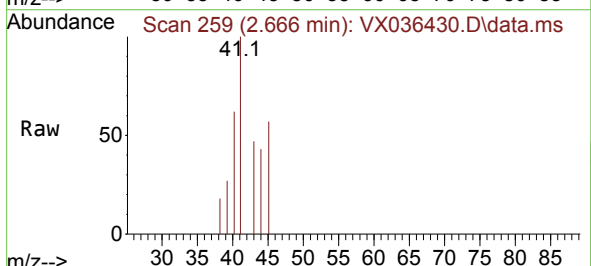
Tgt Ion: 41 Resp: 2029

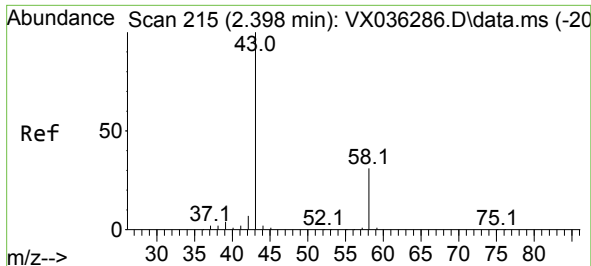
Ion Ratio Lower Upper

41 100

39 24.7 55.8 83.6#

76 0.0 24.3 36.5#

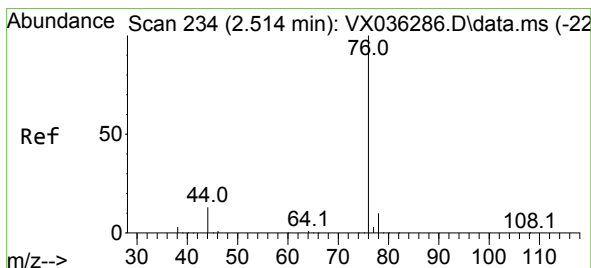
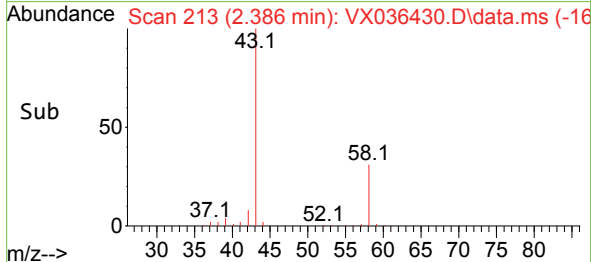
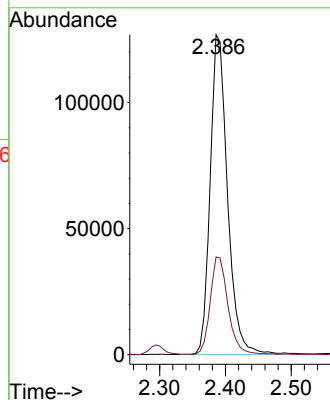
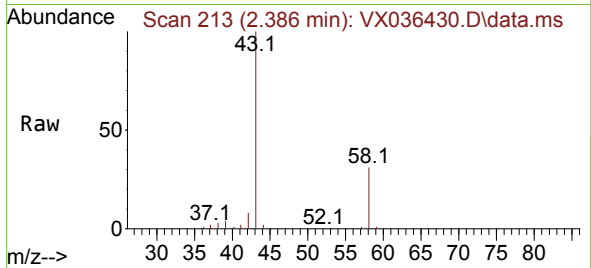




#16
Acetone
Concen: 227.958 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.018 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

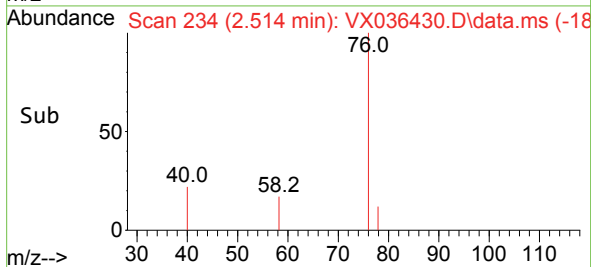
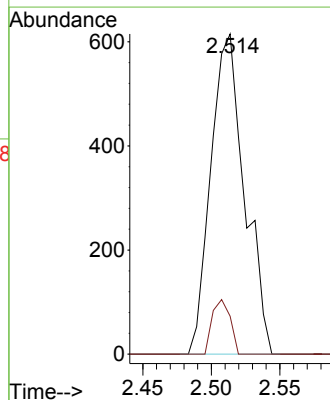
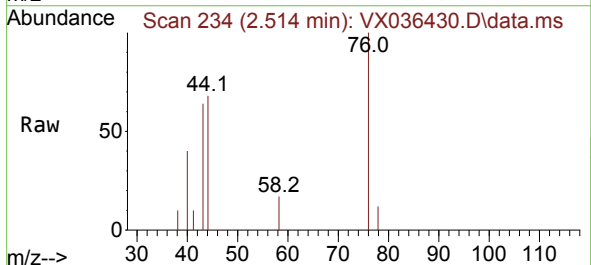
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-02-G

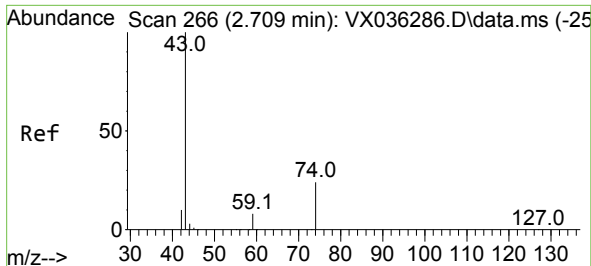
Tgt Ion: 43 Resp: 232820
Ion Ratio Lower Upper
43 100
58 30.4 21.9 32.9



#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion: 76 Resp: 1055
Ion Ratio Lower Upper
76 100
78 11.9 7.0 10.6#

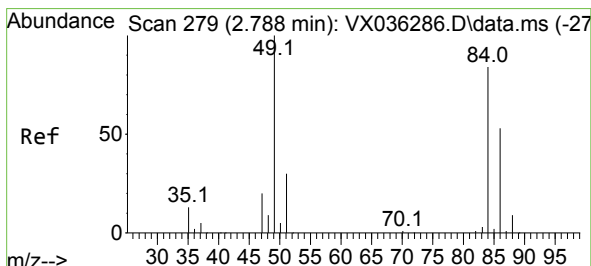
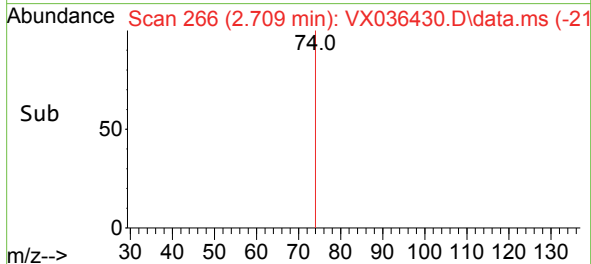
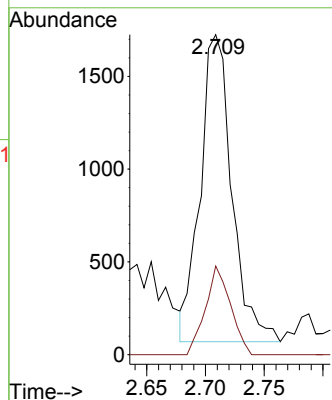
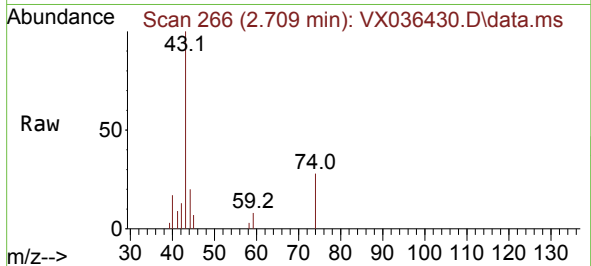




#18
Methyl Acetate
Concen: 0.735 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

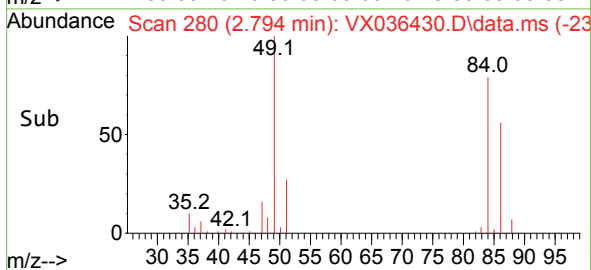
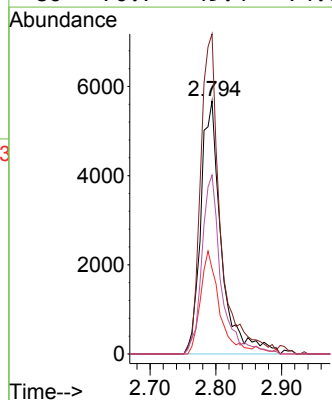
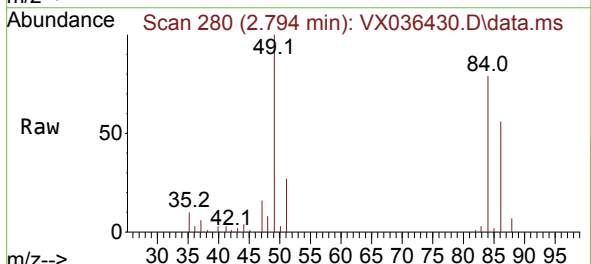
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-02-G

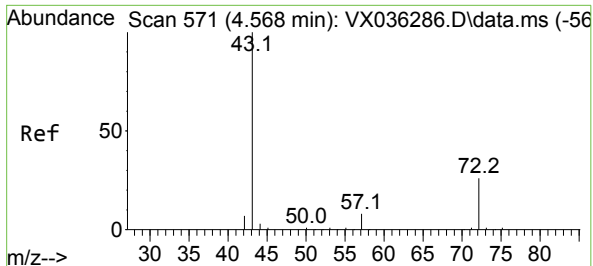
Tgt Ion: 43 Resp: 3088
Ion Ratio Lower Upper
43 100
74 22.9 17.8 26.8



#20
Methylene Chloride
Concen: 5.612 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion: 84 Resp: 12340
Ion Ratio Lower Upper
84 100
49 126.5 103.6 155.4
51 33.7 33.8 50.6#
86 70.7 49.4 74.0

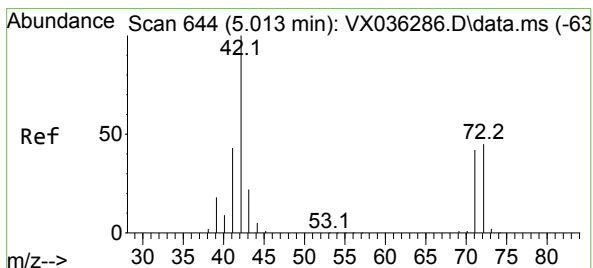
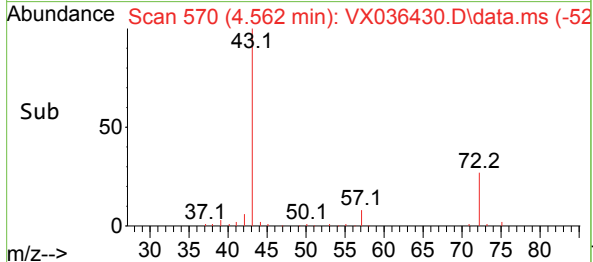
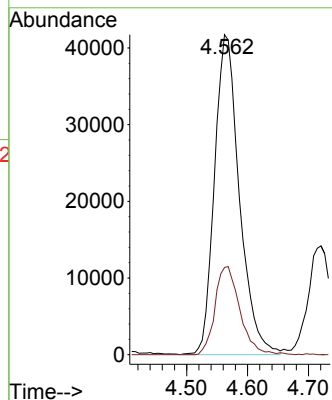
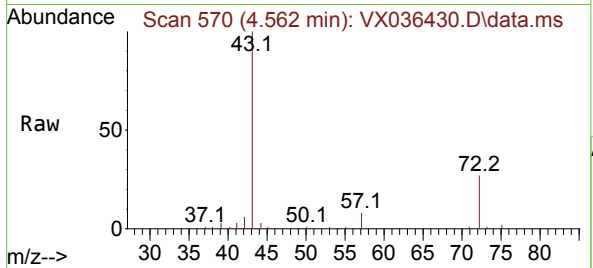




#25
2-Butanone
Concen: 80.747 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

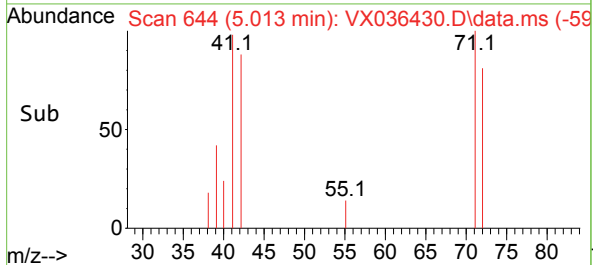
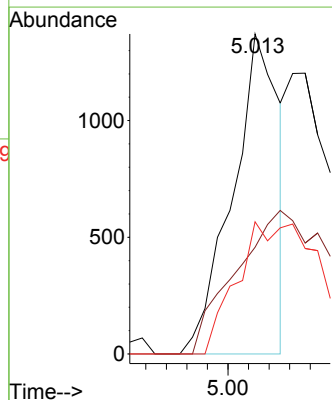
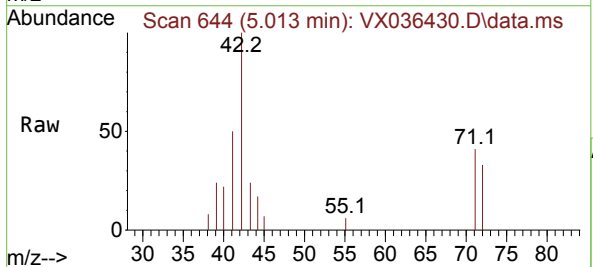
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-02-G

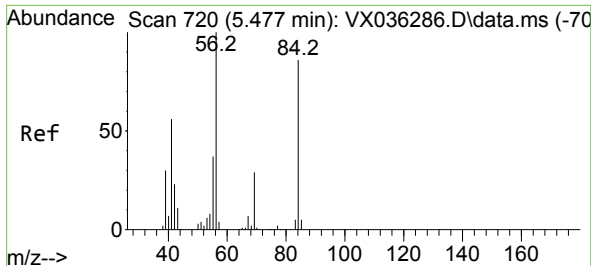
Tgt Ion: 43 Resp: 118491
Ion Ratio Lower Upper
43 100
72 27.3 19.4 29.2



#29
Tetrahydrofuran
Concen: 2.306 ug/l
RT: 5.013 min Scan# 644
Delta R.T. -0.006 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion: 42 Resp: 2154
Ion Ratio Lower Upper
42 100
72 96.8 34.2 51.4#
71 84.8 32.2 48.2#

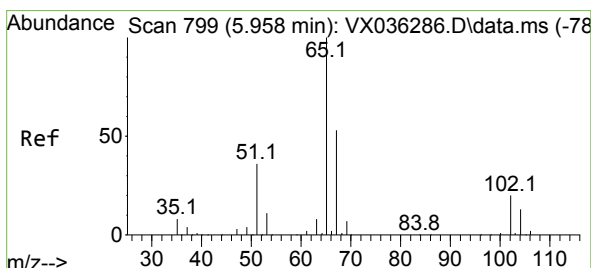
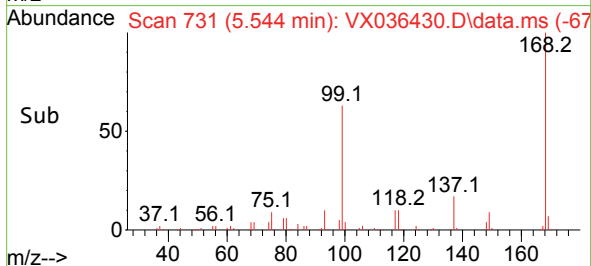
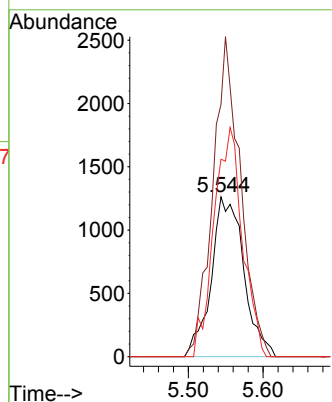
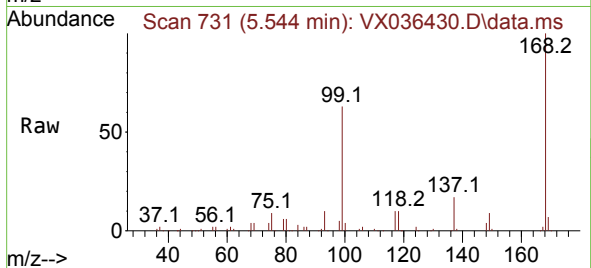




#31
Cyclohexane
Concen: 1.242 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.074 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

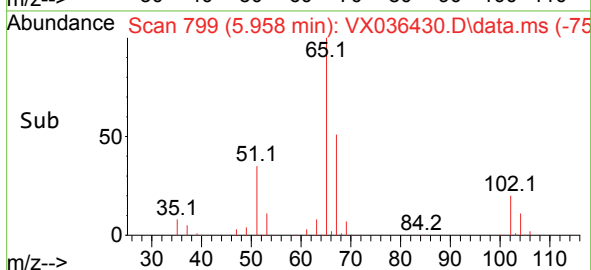
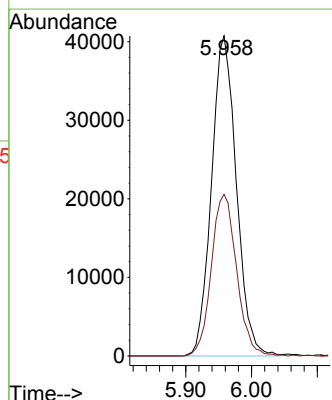
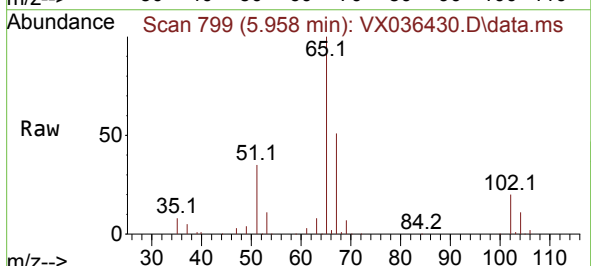
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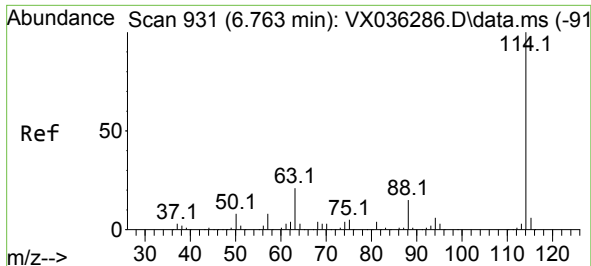
Tgt Ion: 56 Resp: 3804
Ion Ratio Lower Upper
56 100
69 157.9 23.4 35.2#
84 123.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.822 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion: 65 Resp: 107102
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2

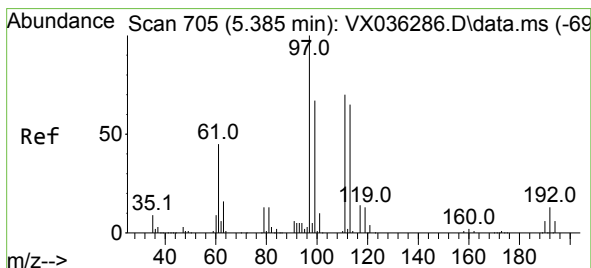
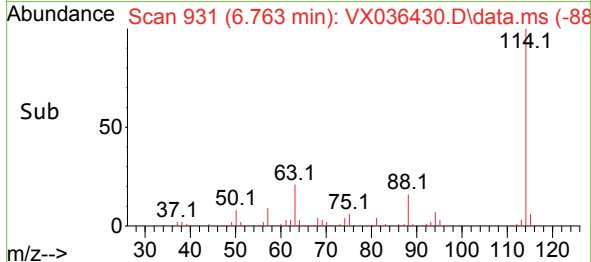
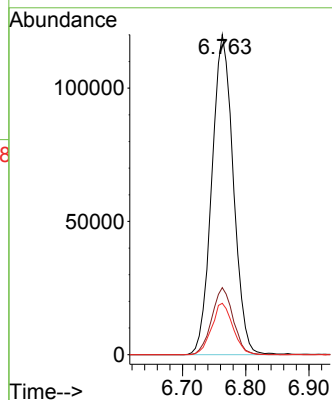
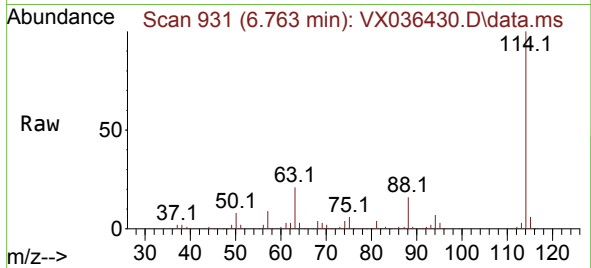




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

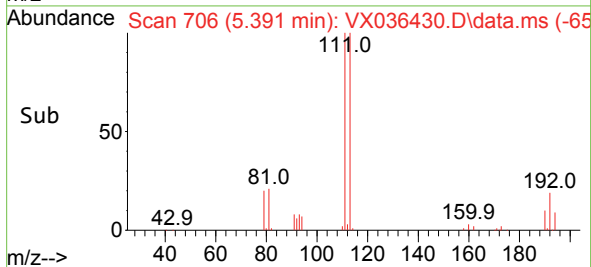
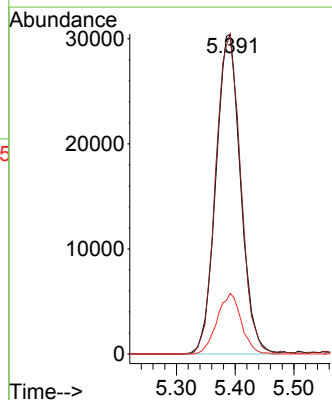
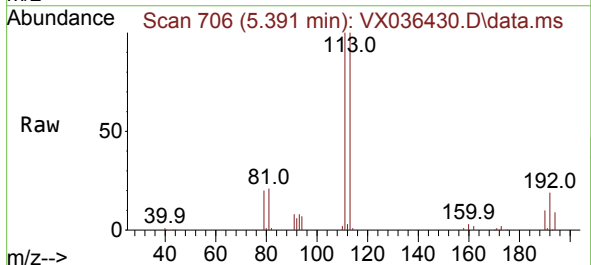
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-02-G

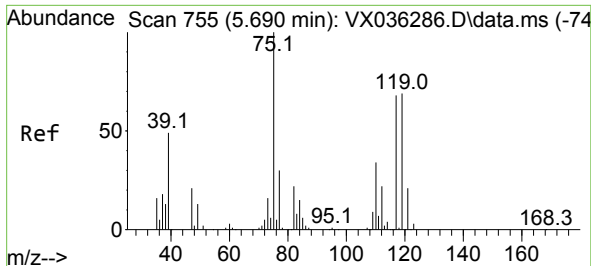
Tgt Ion:114 Resp: 283026
Ion Ratio Lower Upper
114 100
63 20.9 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.605 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion:113 Resp: 88840
Ion Ratio Lower Upper
113 100
111 100.7 82.9 124.3
192 18.5 13.3 19.9

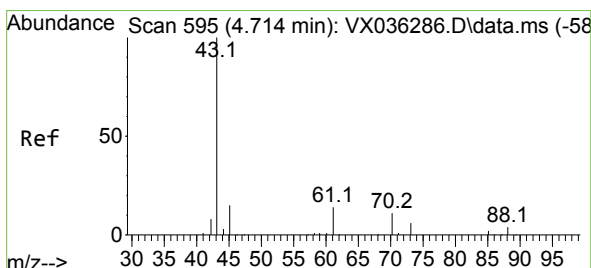
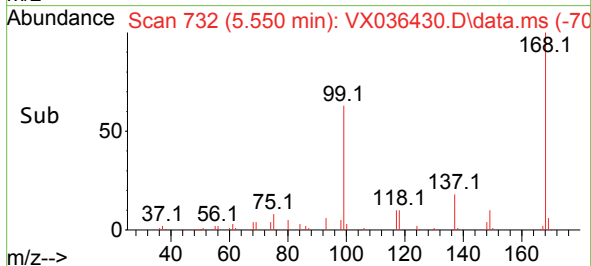
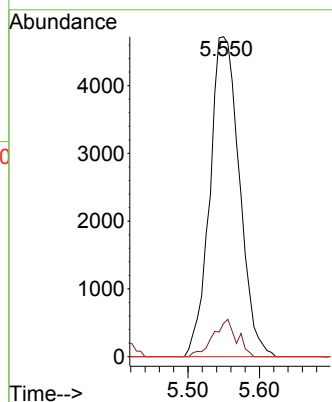
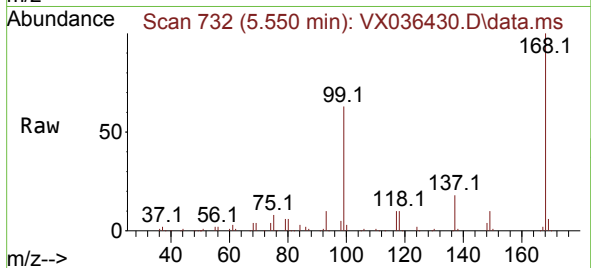




#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

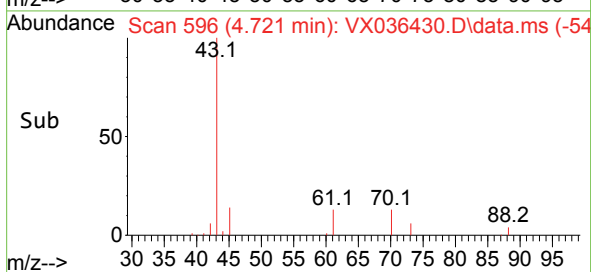
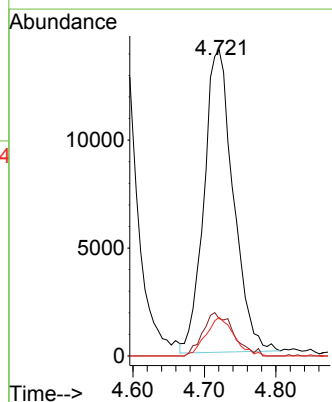
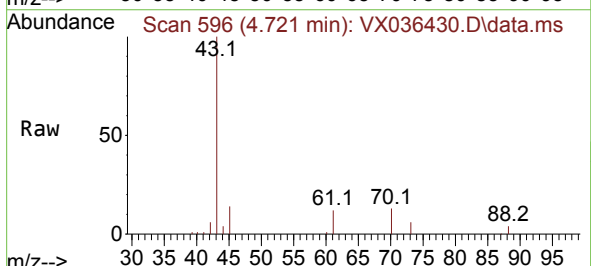
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-02-G

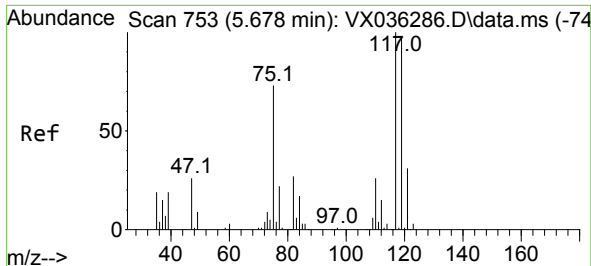
Tgt Ion: 75 Resp: 13583
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 14.083 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.007 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion: 43 Resp: 39928
Ion Ratio Lower Upper
43 100
61 14.9 10.6 16.0
70 12.3 8.3 12.5

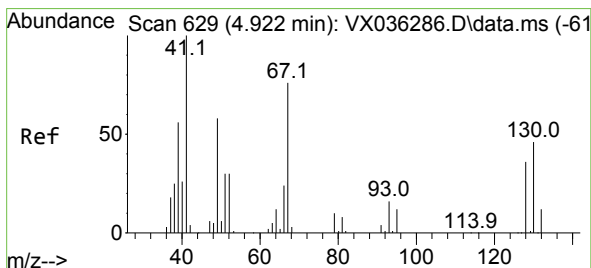
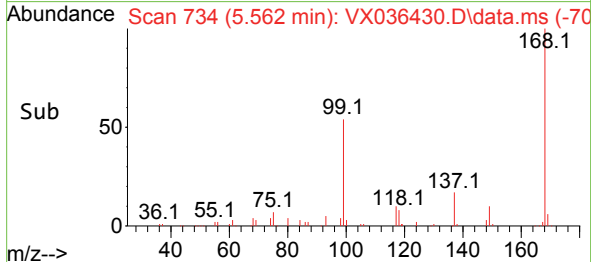
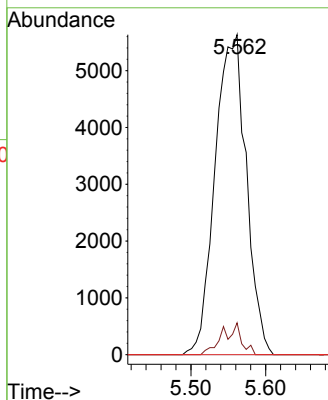
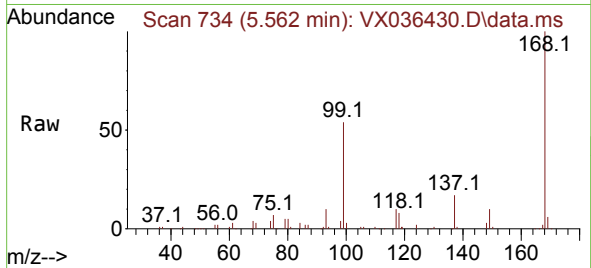




#38
Carbon Tetrachloride
Concen: 6.435 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

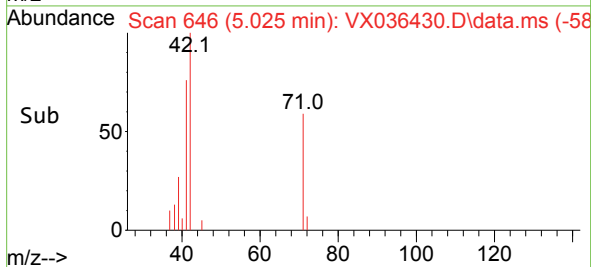
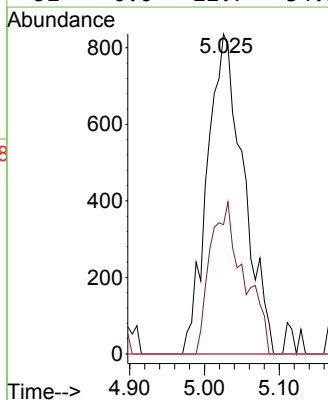
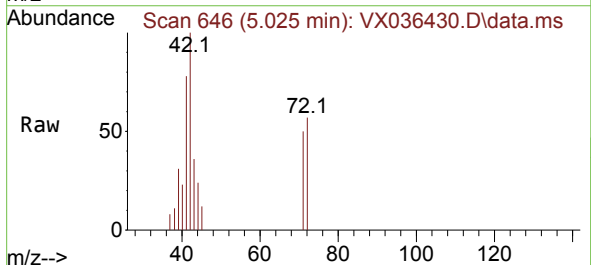
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-02-G

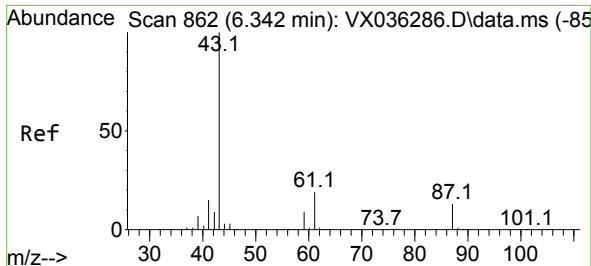
Tgt Ion:117 Resp: 16349
Ion Ratio Lower Upper
117 100
119 10.0 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.792 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.103 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion: 41 Resp: 2818
Ion Ratio Lower Upper
41 100
39 44.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

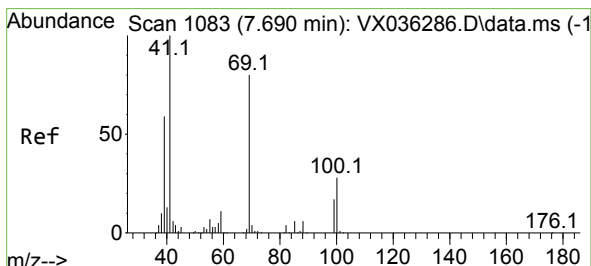
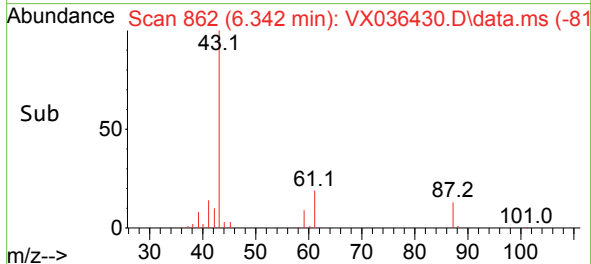
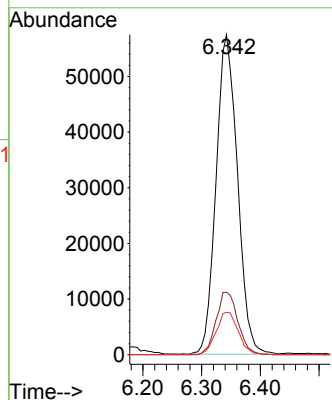
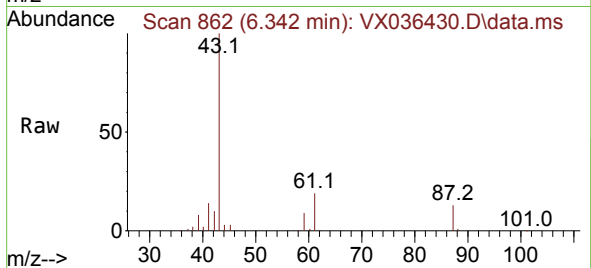




#43
Isopropyl Acetate
Concen: 32.088 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

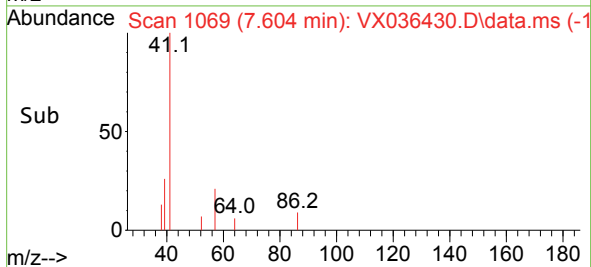
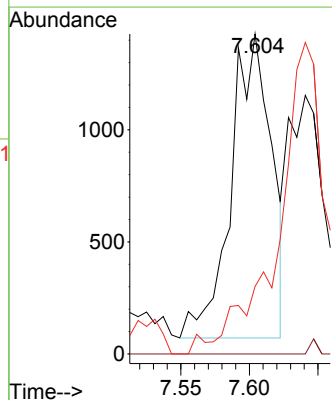
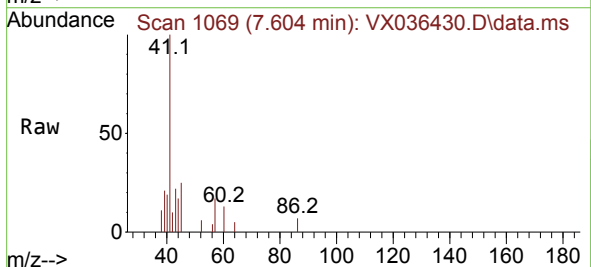
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-02-G

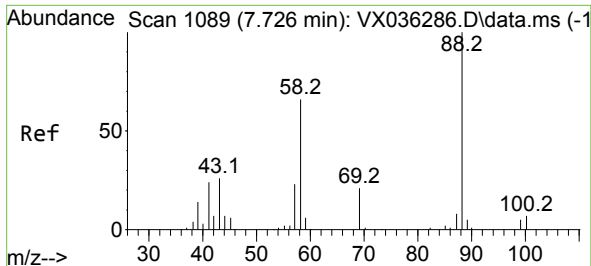
Tgt Ion: 43 Resp: 145132
Ion Ratio Lower Upper
43 100
61 19.9 15.2 22.8
87 13.8 9.8 14.6



#48
Methyl methacrylate
Concen: 1.240 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.085 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion: 41 Resp: 2796
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#





#49

1,4-Dioxane

Concen: 0.440 ug/l

RT: 7.738 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VX036430.D

Acq: 06 Jul 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-02-G

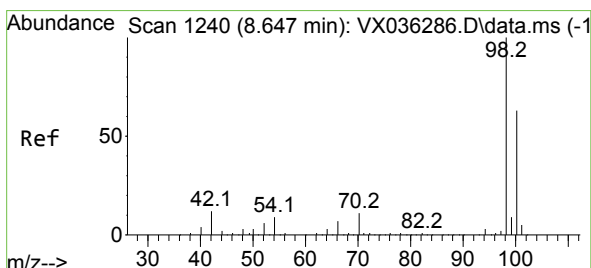
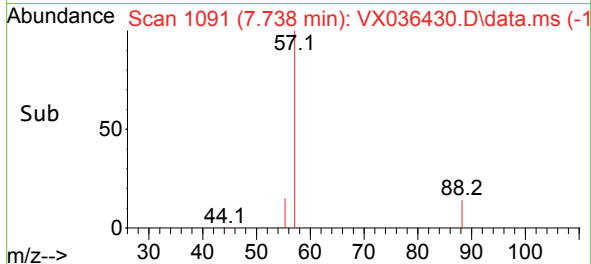
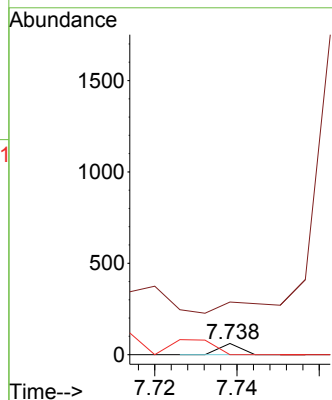
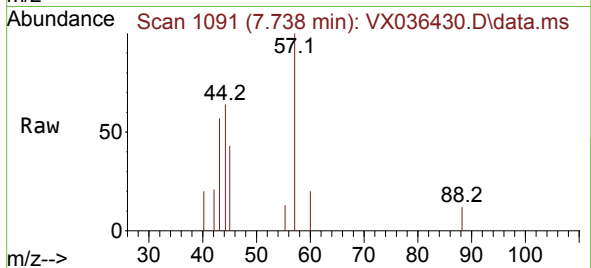
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#



#50

Toluene-d8

Concen: 48.868 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX036430.D

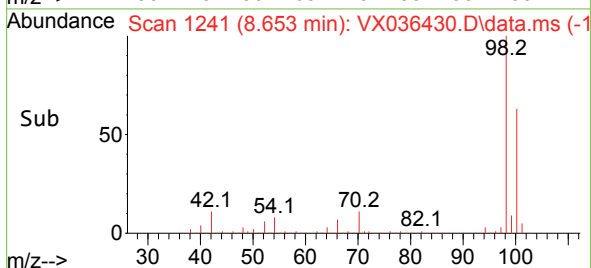
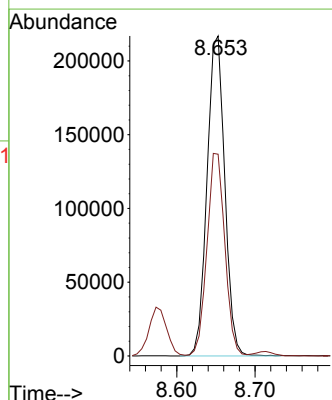
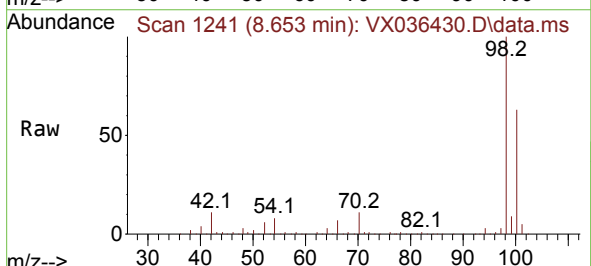
Acq: 06 Jul 2023 13:06

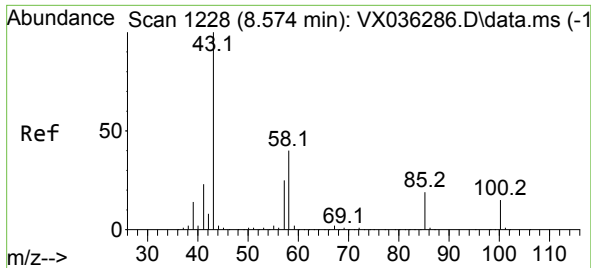
Tgt Ion: 98 Resp: 340620

Ion Ratio Lower Upper

98 100

100 63.7 53.1 79.7

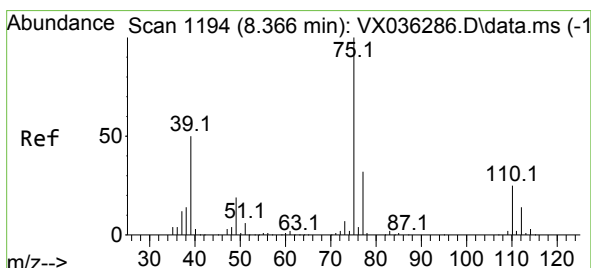
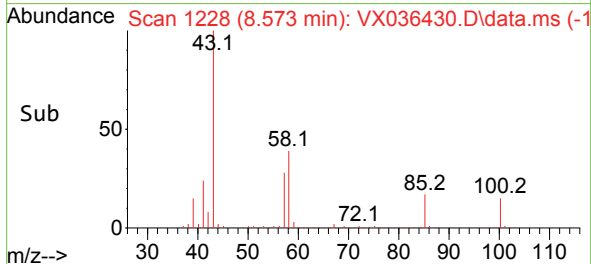
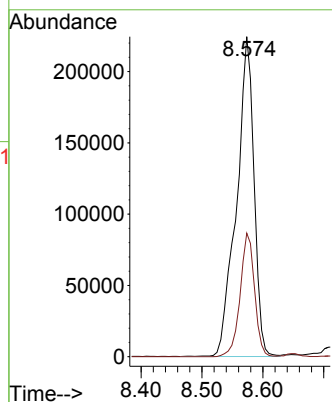
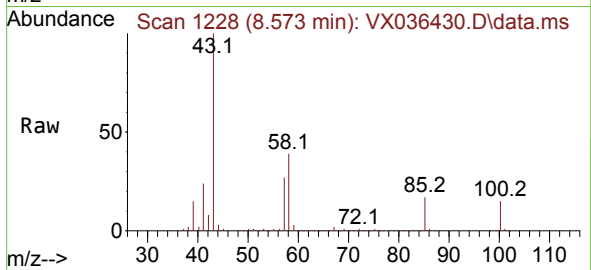




#51
4-Methyl-2-Pentanone
Concen: 154.143 ug/l
RT: 8.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

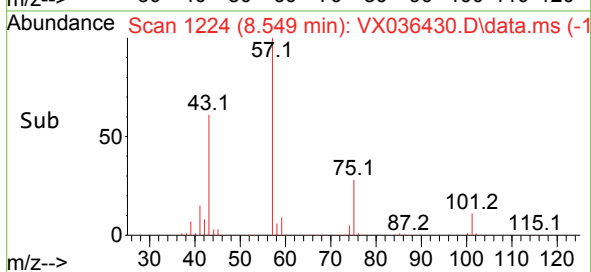
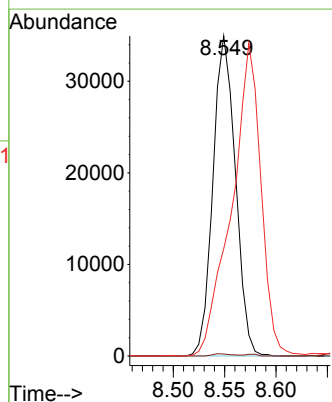
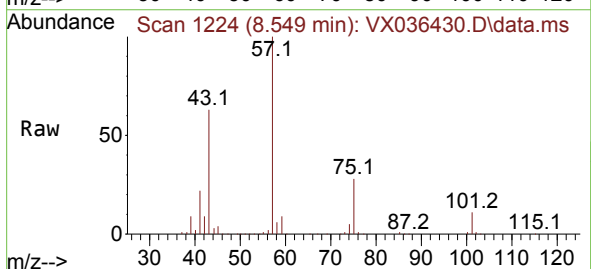
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-02-G

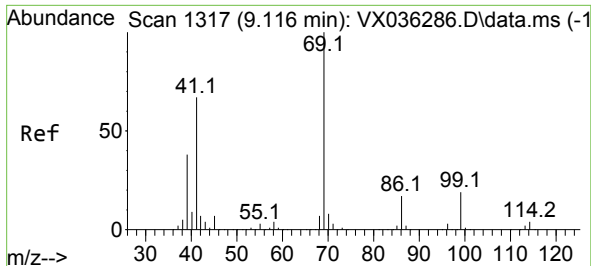
Tgt Ion: 43 Resp: 449173
Ion Ratio Lower Upper
43 100
58 31.7 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 17.244 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion: 75 Resp: 53050
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 33.5 46.7 70.1#





#56

Ethyl methacrylate

Concen: 0.207 ug/l

RT: 9.043 min Scan# 1

Delta R.T. -0.073 min

Lab File: VX036430.D

Acq: 06 Jul 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-02-G

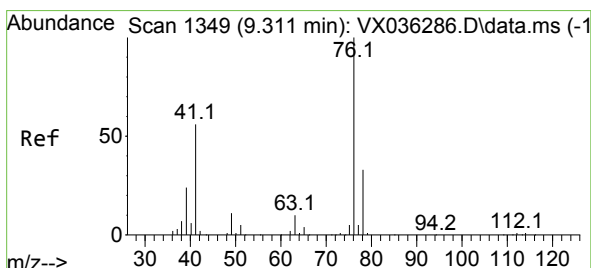
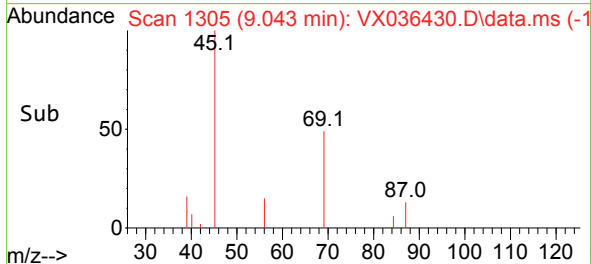
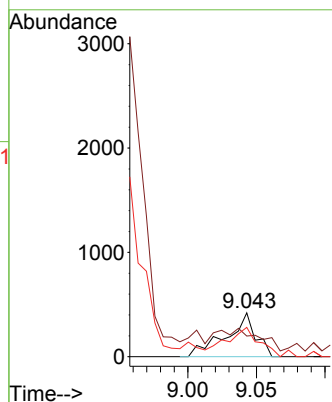
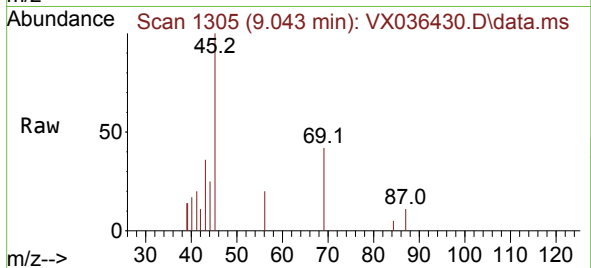
Tgt Ion: 69 Resp: 633

Ion Ratio Lower Upper

69 100

41 0.0 56.8 85.2#

39 0.0 32.0 48.0#



#57

1,3-Dichloropropane

Concen: 1.537 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036430.D

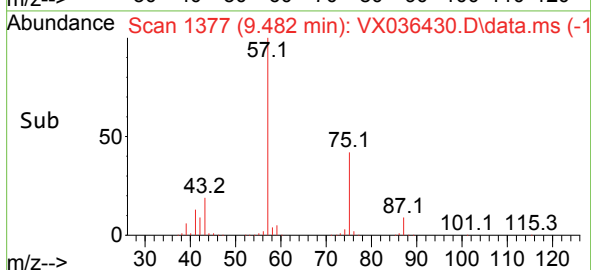
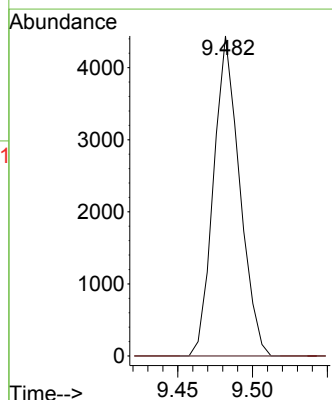
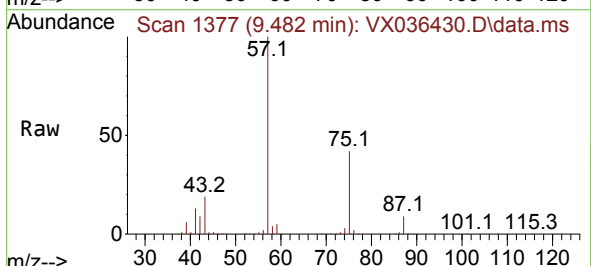
Acq: 06 Jul 2023 13:06

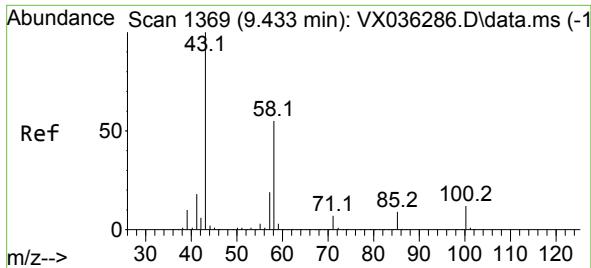
Tgt Ion: 76 Resp: 5392

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#

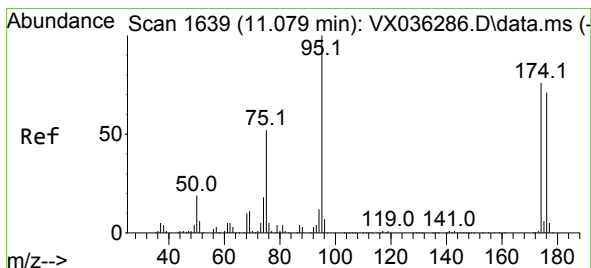
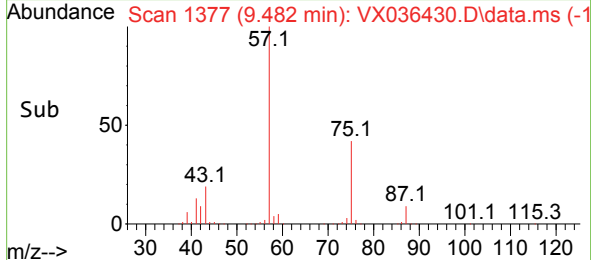
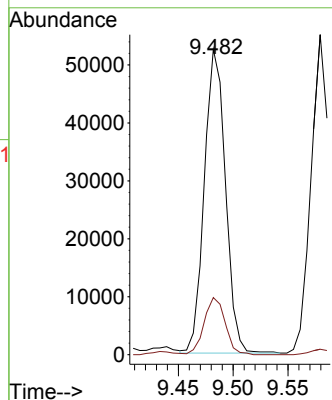
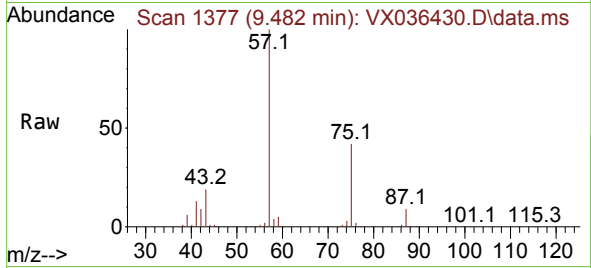




#59
2-Hexanone
Concen: 33.114 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

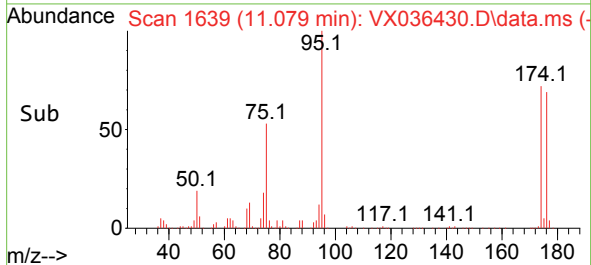
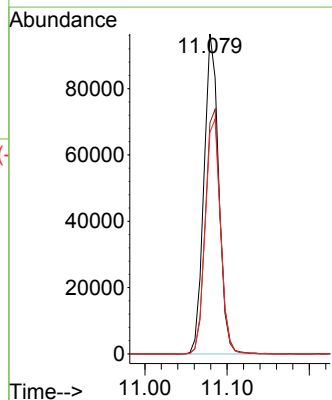
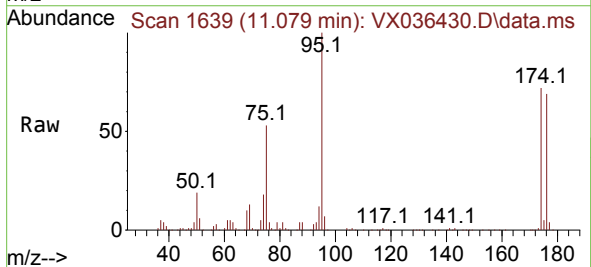
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-02-G

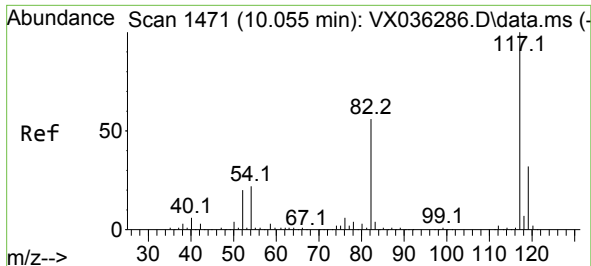
Tgt Ion: 43 Resp: 70465
Ion Ratio Lower Upper
43 100
58 18.6 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.931 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion: 95 Resp: 120132
Ion Ratio Lower Upper
95 100
174 78.1 0.0 135.6
176 75.9 0.0 131.0

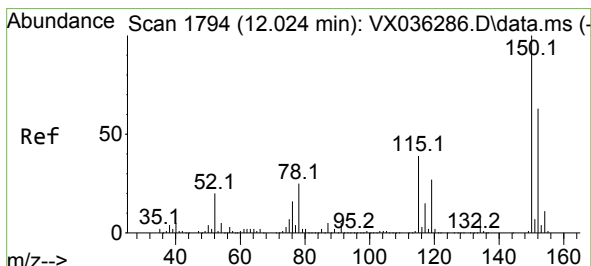
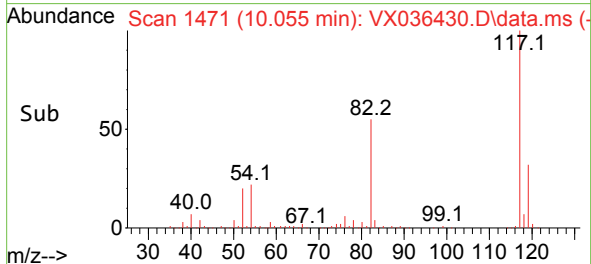
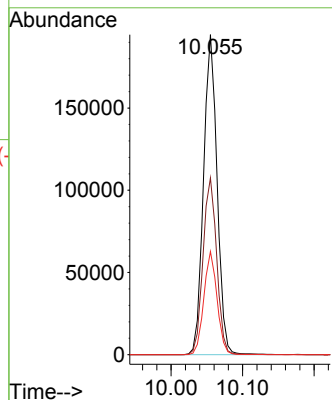
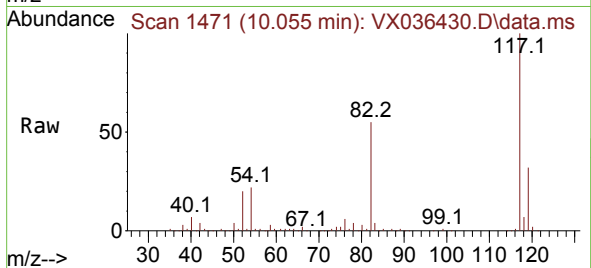




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

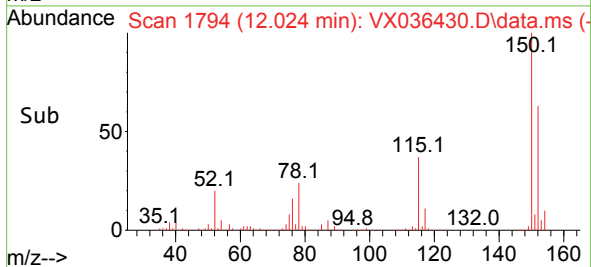
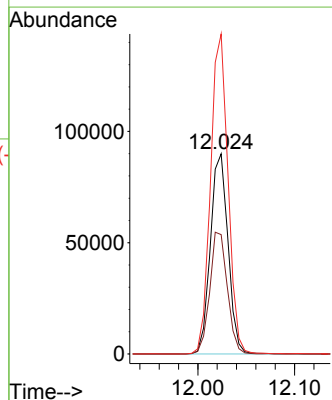
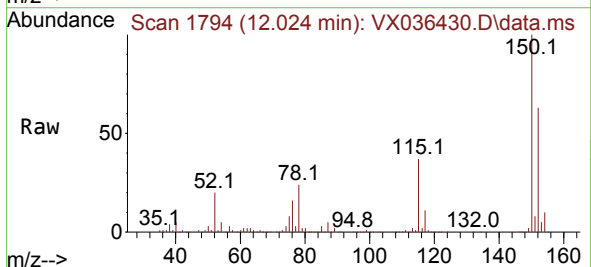
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-02-G

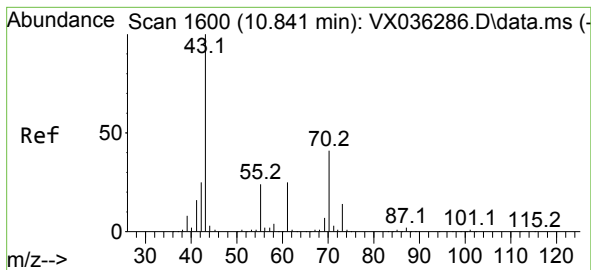
Tgt Ion:117 Resp: 256525
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion:152 Resp: 114048
Ion Ratio Lower Upper
152 100
115 60.7 43.3 129.9
150 158.2 0.0 345.0

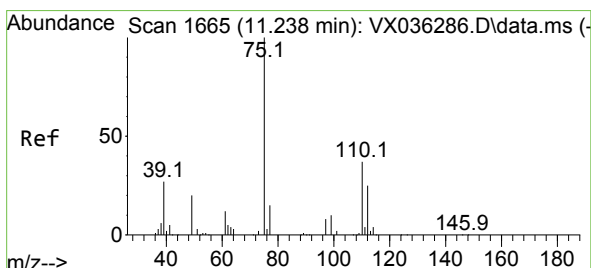
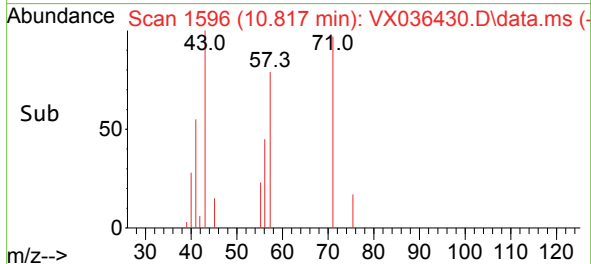
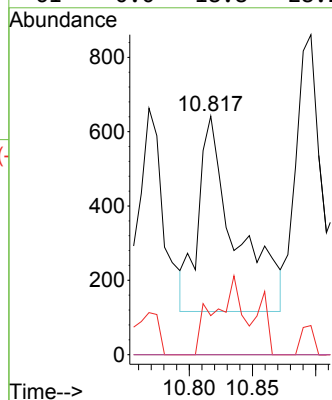
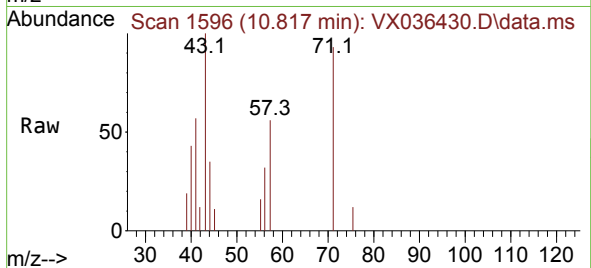




#74
N-amy1 acetate
Concen: 0.317 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

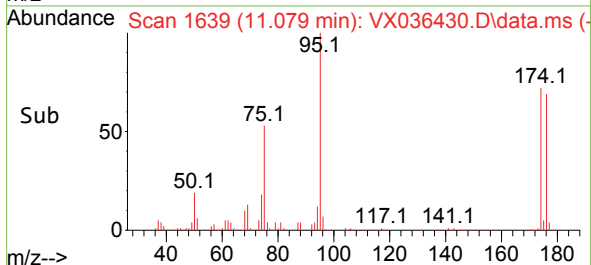
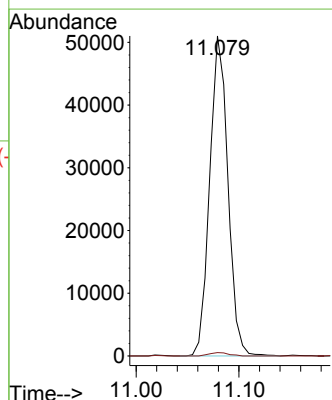
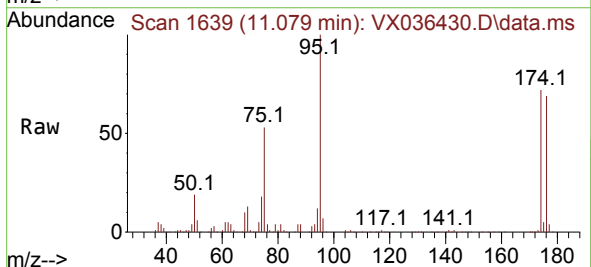
Instrument : MSVOA_X
ClientSampleId : WC-WWS-02-G

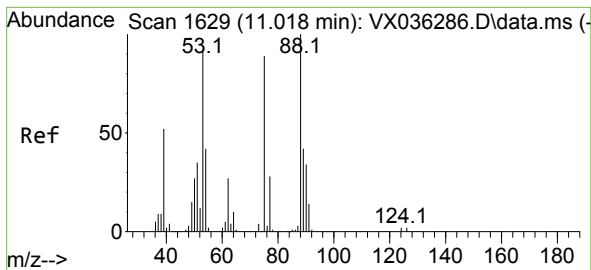
Tgt Ion: 43	Resp: 1078
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 29.7	19.3 28.9#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 25.833 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036430.D
Acq: 06 Jul 2023 13:06

Tgt Ion: 75	Resp: 62843		
Ion Ratio	Lower	Upper	
75 100			
77 1.1	19.1	57.5#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.209 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036430.D
 Acq: 06 Jul 2023 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-02-G

Tgt Ion: 75 Resp: 62843
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

