

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036431.D
 Acq On : 06 Jul 2023 13:30
 Operator : JC/MD
 Sample : 03509-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

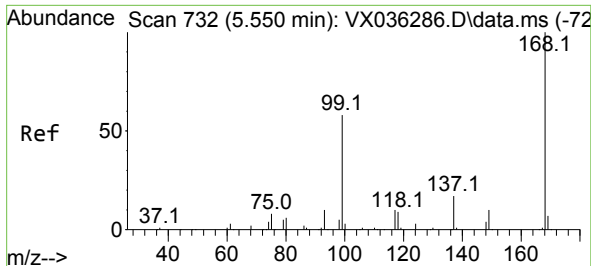
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-03-G

Quant Time: Jul 07 01:46:48 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	174353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	295872	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	113300	45.334	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.660%		
35) Dibromofluoromethane	5.385	113	91466	46.884	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.760%		
50) Toluene-d8	8.653	98	362028	49.684	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.360%		
62) 4-Bromofluorobenzene	11.079	95	124733	48.599	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.200%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.977	59	5044	11.087	ug/l #	92
13) Acrolein	2.239	56	202	0.323	ug/l #	34
14) Allyl chloride	2.660	41	2397	0.744	ug/l #	57
16) Acetone	2.386	43	232142	217.312	ug/l	97
17) Carbon Disulfide	2.514	76	1161	0.239	ug/l #	76
18) Methyl Acetate	2.709	43	3927	0.894	ug/l	96
20) Methylene Chloride	2.794	84	13051	5.674	ug/l #	94
25) 2-Butanone	4.562	43	117207	76.364	ug/l	94
29) Tetrahydrofuran	5.031	42	4558	4.664	ug/l	98
31) Cyclohexane	5.550	56	3935	1.229	ug/l #	20
36) 1,1-Dichloropropene	5.550	75	14086	4.844	ug/l #	52
37) Ethyl Acetate	4.720	43	40885	13.794	ug/l	97
38) Carbon Tetrachloride	5.550	117	17838	6.716	ug/l #	15
41) Methacrylonitrile	5.019	41	2815	1.712	ug/l #	51
43) Isopropyl Acetate	6.342	43	146952	31.079	ug/l	98
48) Methyl methacrylate	7.799	41	84048	35.651	ug/l #	48
49) 1,4-Dioxane	7.702	88	57	1.091	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	461931	151.638	ug/l	89
54) cis-1,3-Dichloropropene	8.549	75	51686	16.071	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	4506	1.229	ug/l #	42
59) 2-Hexanone	9.482	43	60134	27.032	ug/l #	55
74) N-amyl acetate	10.823	43	801	0.221	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	63728	24.582	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	63728	80.132	ug/l #	5

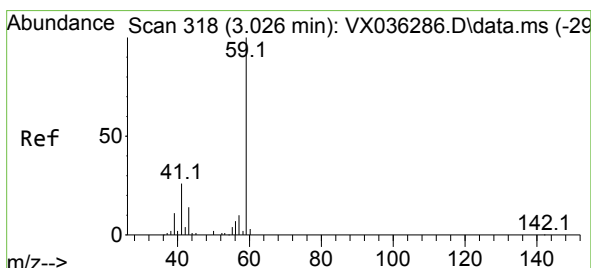
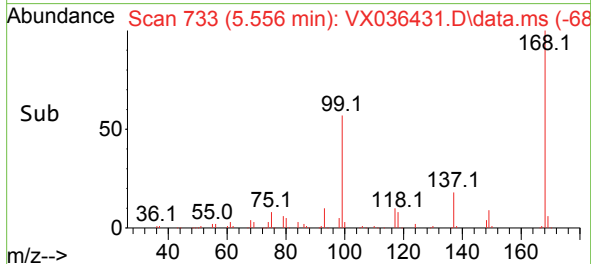
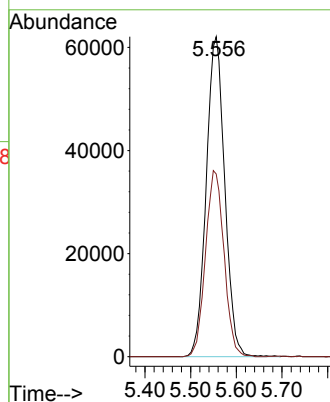
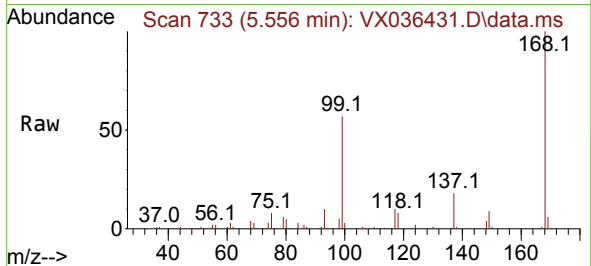
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

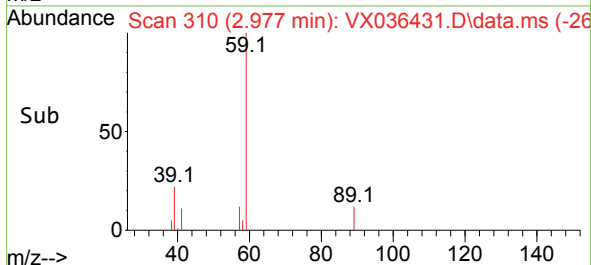
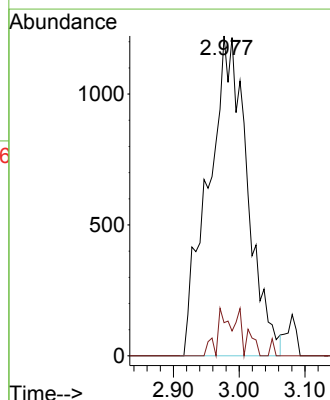
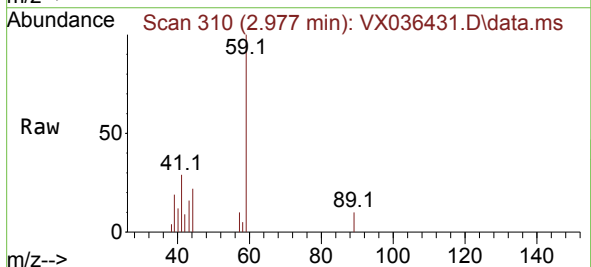
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

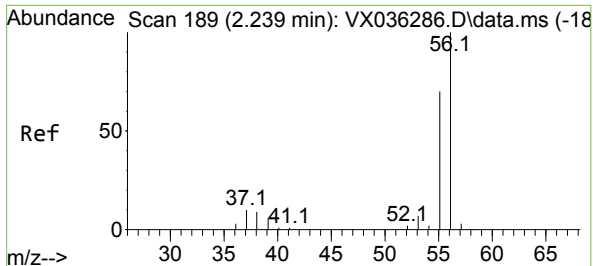
Tgt Ion:168 Resp: 174353
Ion Ratio Lower Upper
168 100
99 57.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 11.087 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.036 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 59 Resp: 5044
Ion Ratio Lower Upper
59 100
57 4.8 6.0 9.0#





#13

Acrolein

Concen: 0.323 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036431.D

Acq: 06 Jul 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

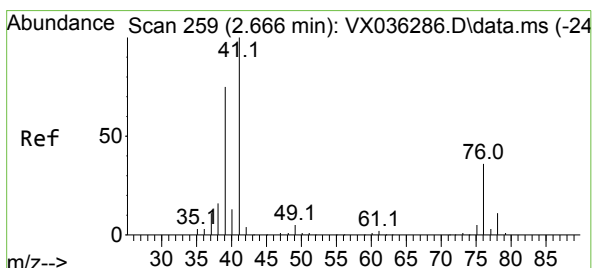
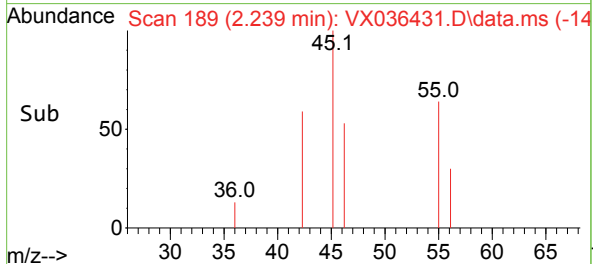
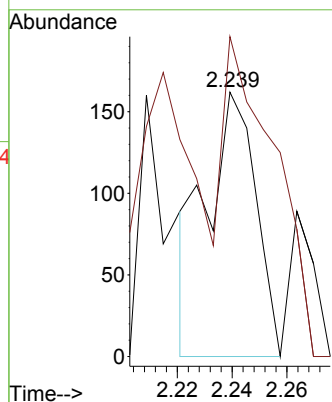
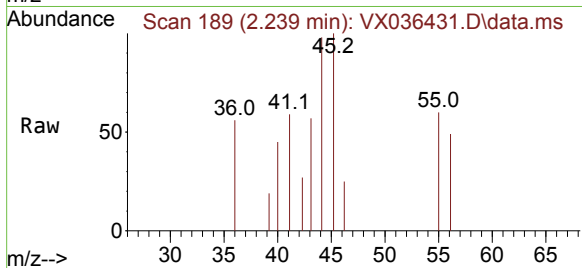
WC-WWS-03-G

Tgt Ion: 56 Resp: 202

Ion Ratio Lower Upper

56 100

55 125.7 57.1 85.7#



#14

Allyl chloride

Concen: 0.744 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.006 min

Lab File: VX036431.D

Acq: 06 Jul 2023 13:30

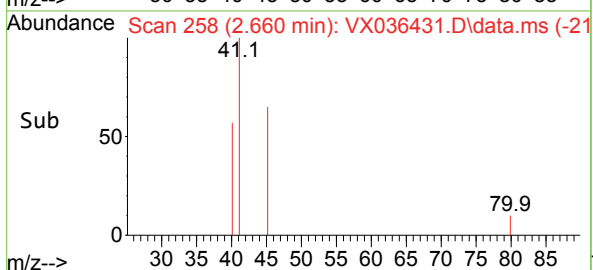
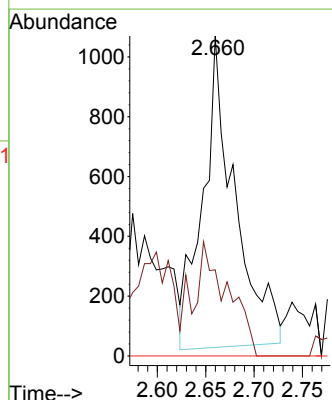
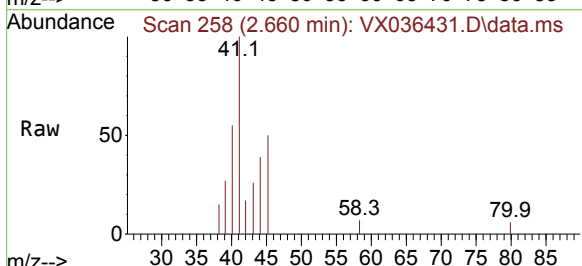
Tgt Ion: 41 Resp: 2397

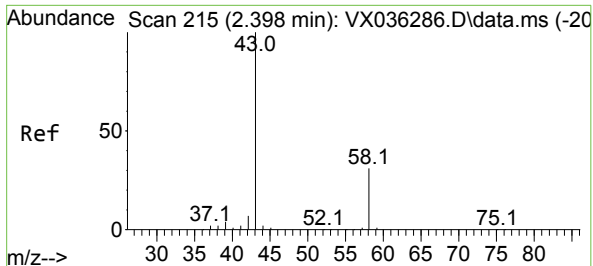
Ion Ratio Lower Upper

41 100

39 39.5 55.8 83.6#

76 0.0 24.3 36.5#

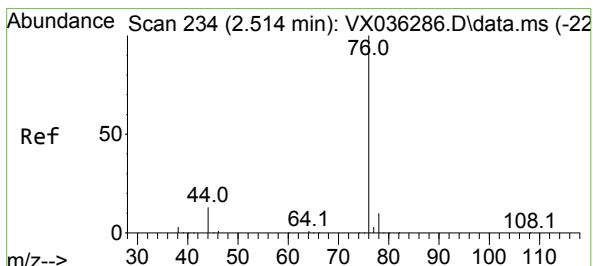
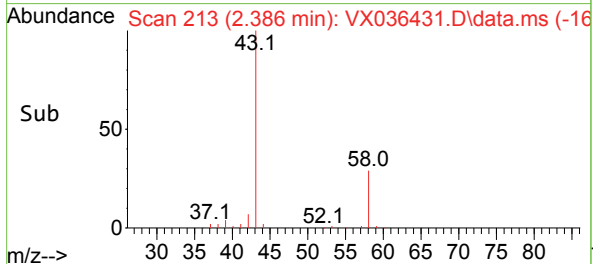
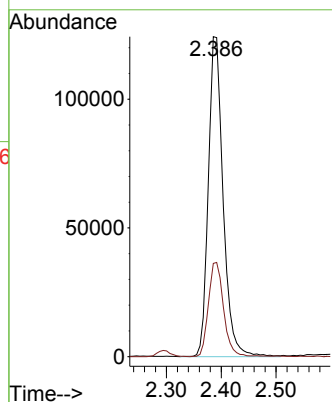
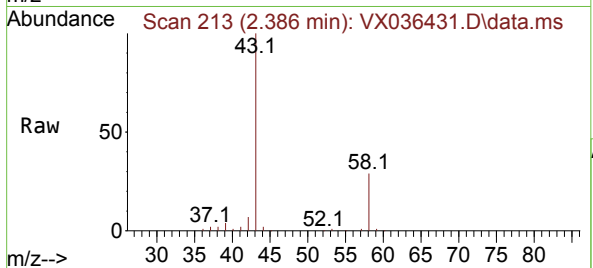




#16
Acetone
Concen: 217.312 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.018 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

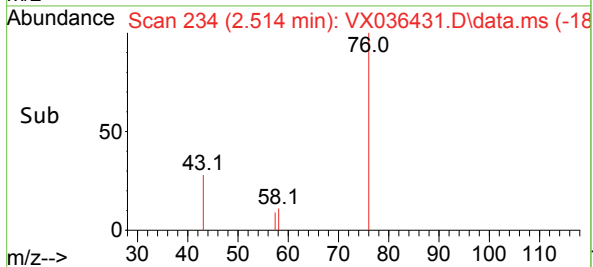
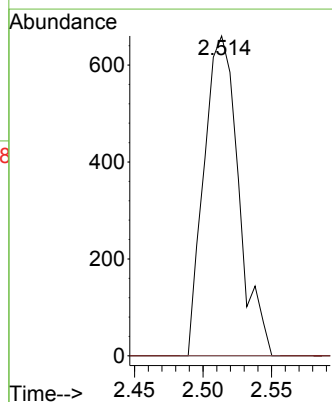
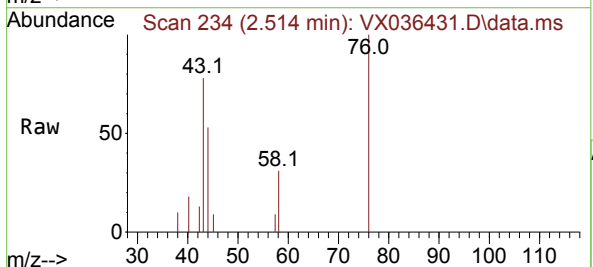
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

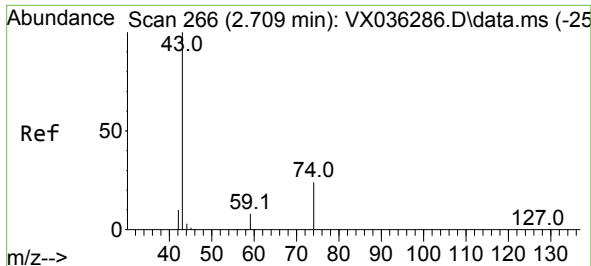
Tgt Ion: 43 Resp: 232142
Ion Ratio Lower Upper
43 100
58 29.0 21.9 32.9



#17
Carbon Disulfide
Concen: 0.239 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 76 Resp: 1161
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

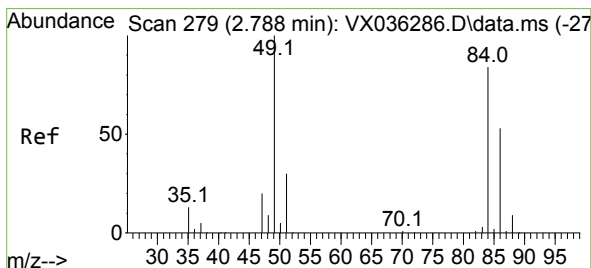
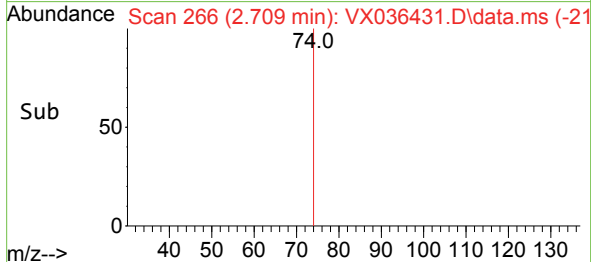
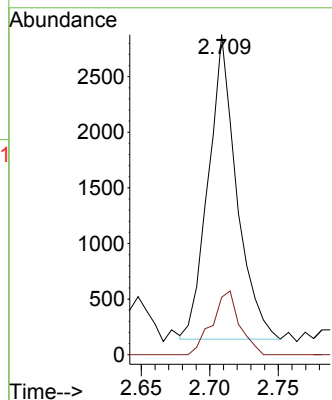
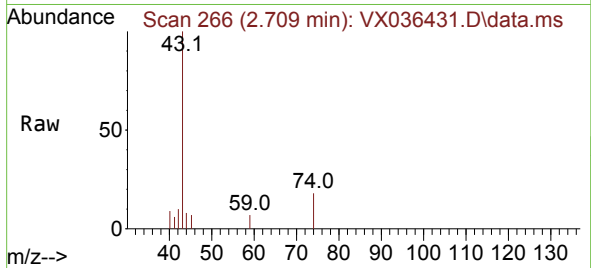




#18
Methyl Acetate
Concen: 0.894 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

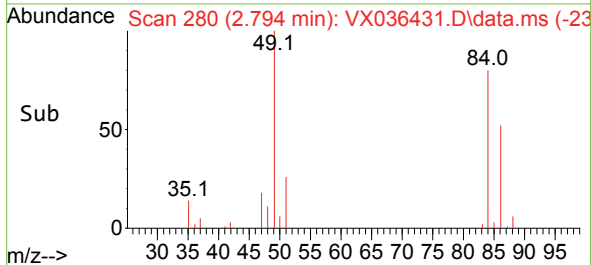
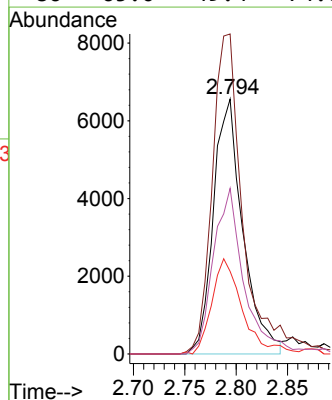
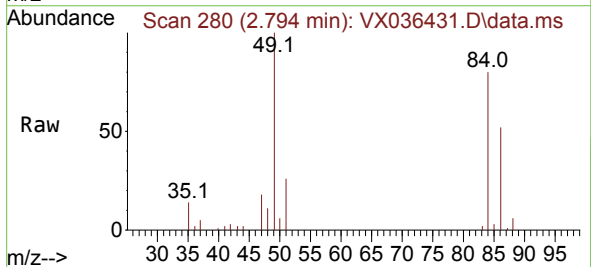
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

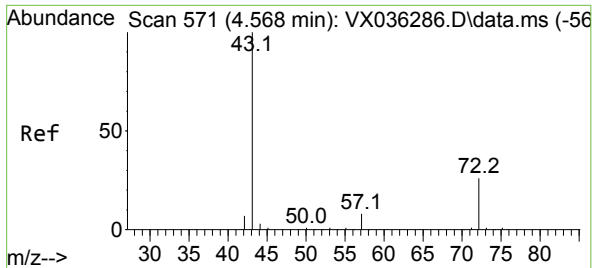
Tgt Ion: 43 Resp: 3927
Ion Ratio Lower Upper
43 100
74 20.2 17.8 26.8



#20
Methylene Chloride
Concen: 5.674 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 84 Resp: 13051
Ion Ratio Lower Upper
84 100
49 125.5 103.6 155.4
51 32.4 33.8 50.6#
86 65.0 49.4 74.0

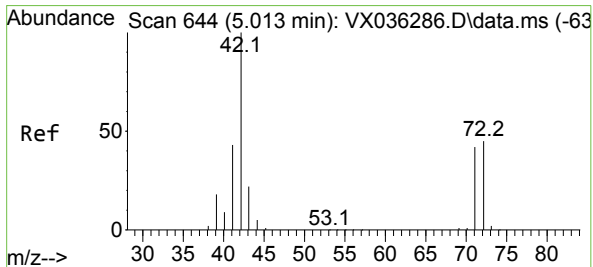
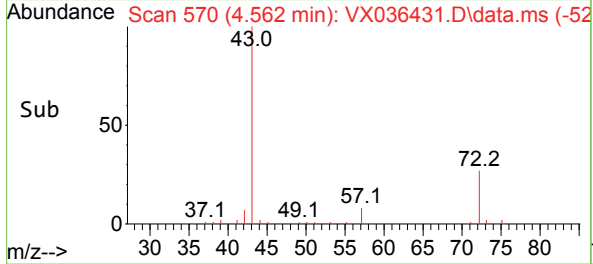
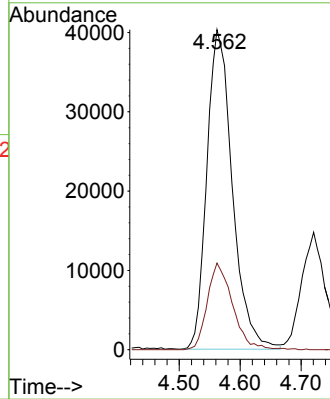
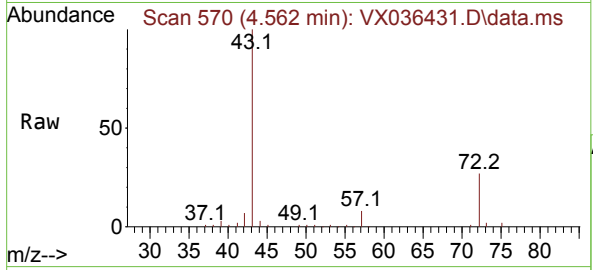




#25
2-Butanone
Concen: 76.364 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

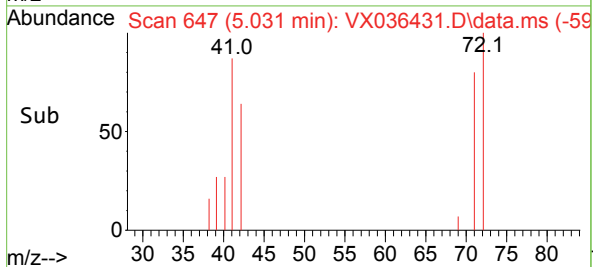
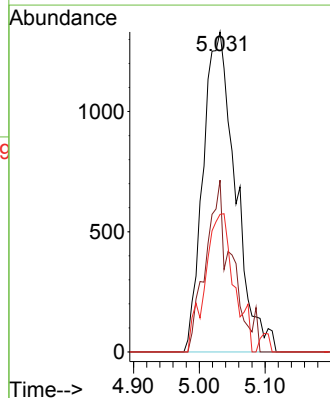
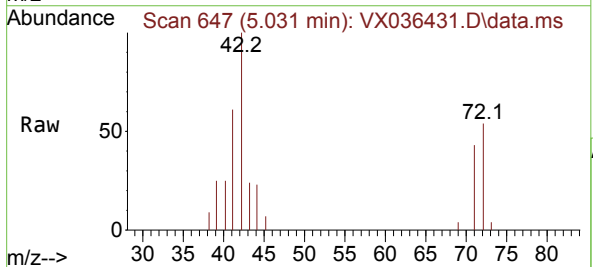
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

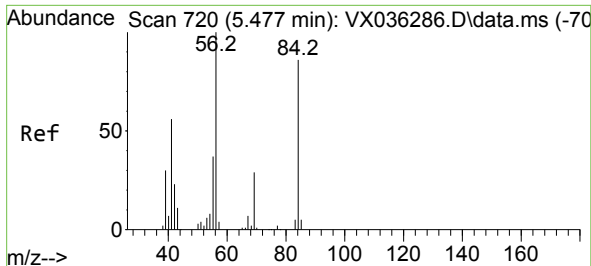
Tgt Ion: 43 Resp: 117207
Ion Ratio Lower Upper
43 100
72 27.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 4.664 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.012 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 42 Resp: 4558
Ion Ratio Lower Upper
42 100
72 43.7 34.2 51.4
71 38.7 32.2 48.2

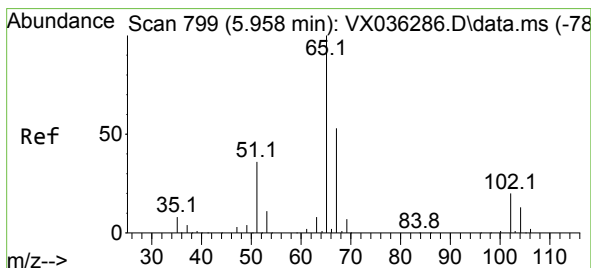
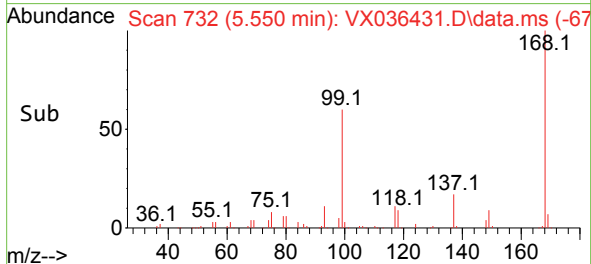
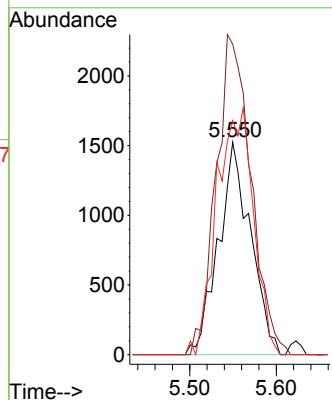
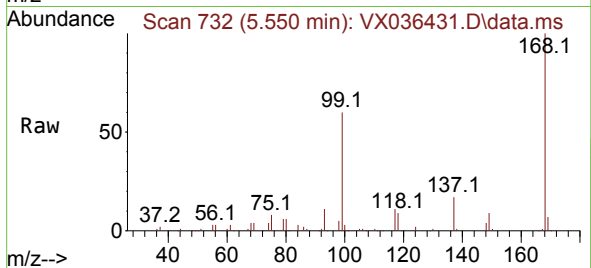




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 5.550 min Scan# 712
Delta R.T. 0.080 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

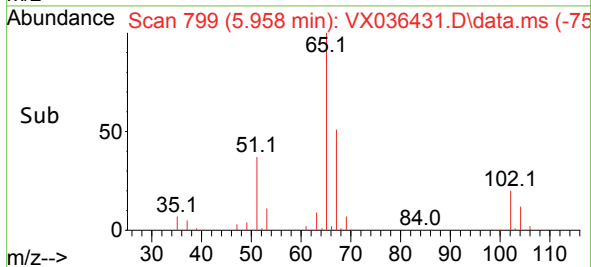
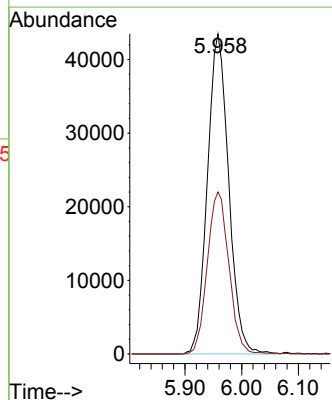
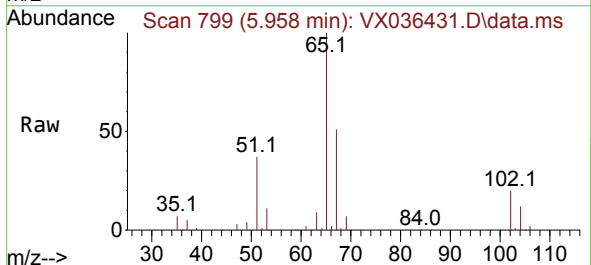
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

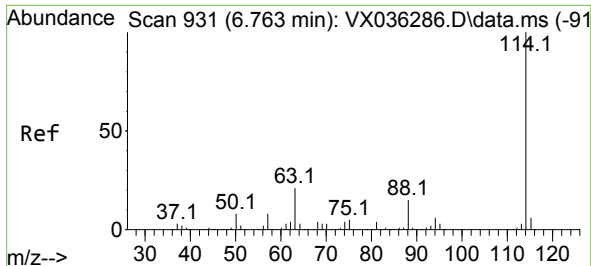
Tgt Ion: 56 Resp: 3935
Ion Ratio Lower Upper
56 100
69 146.2 23.4 35.2#
84 110.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.334 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 65 Resp: 113300
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: VX036431.D

Acq: 06 Jul 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-03-G

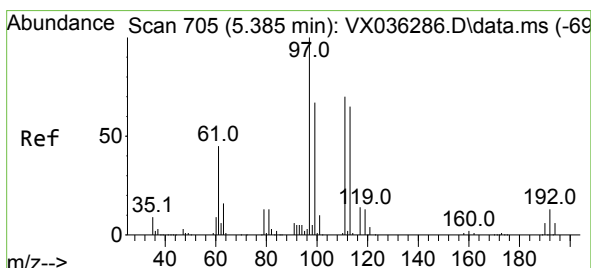
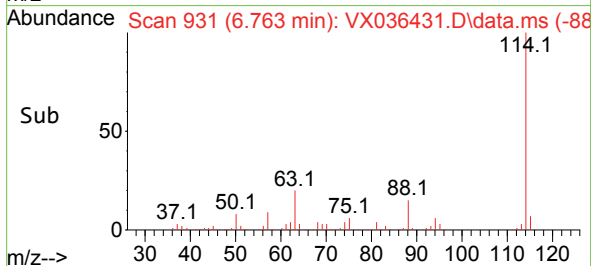
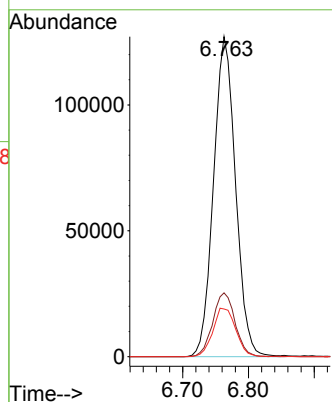
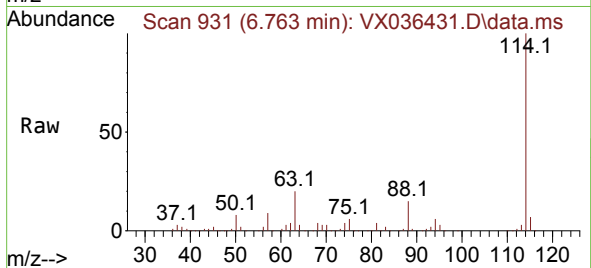
Tgt Ion:114 Resp: 295872

Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 14.9 0.0 36.6



#35

Dibromofluoromethane

Concen: 46.884 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036431.D

Acq: 06 Jul 2023 13:30

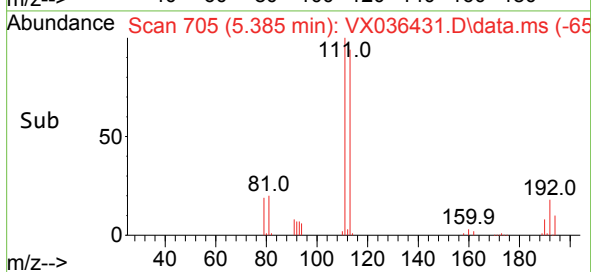
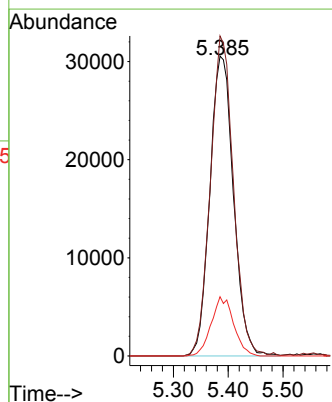
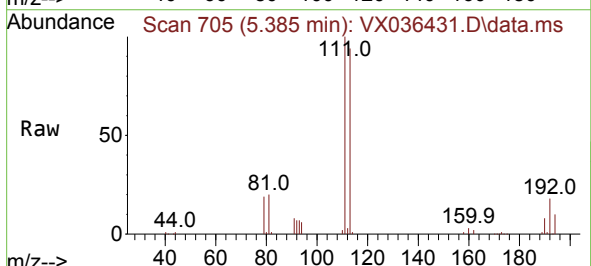
Tgt Ion:113 Resp: 91466

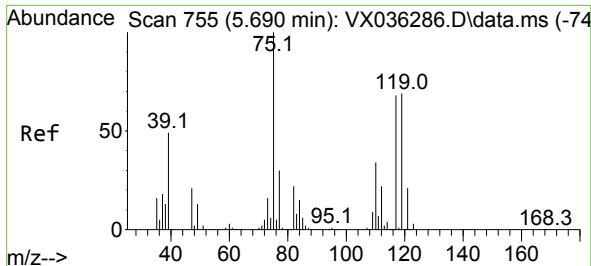
Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

192 18.8 13.3 19.9

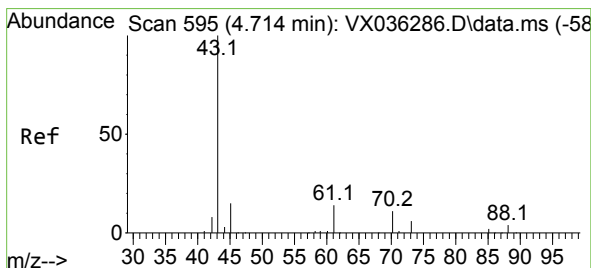
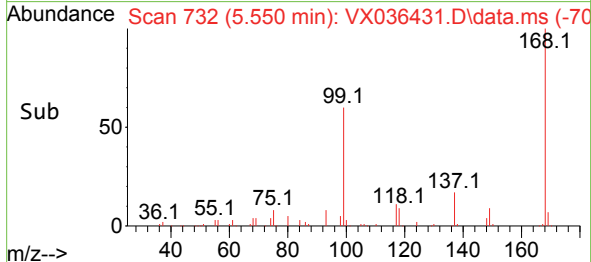
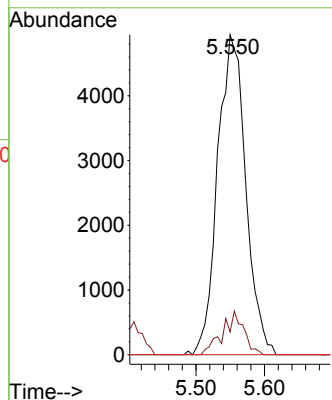
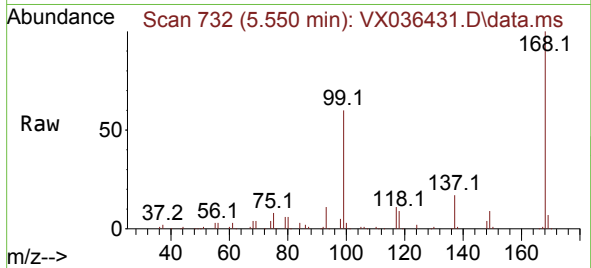




#36
1,1-Dichloropropene
Concen: 4.844 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

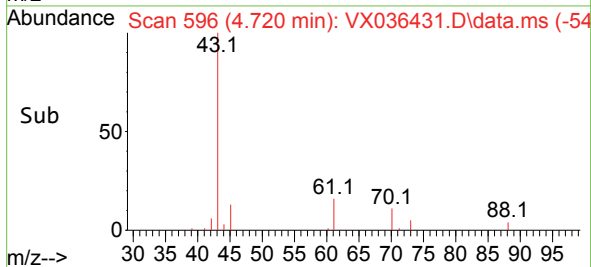
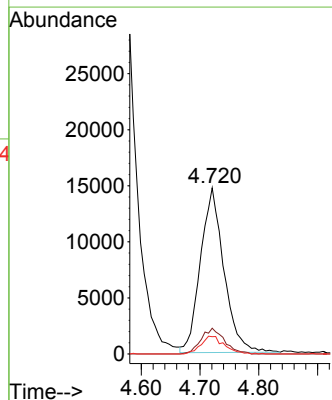
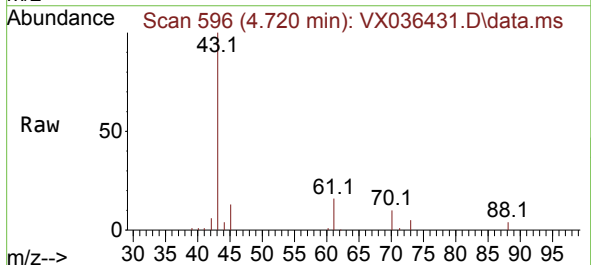
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

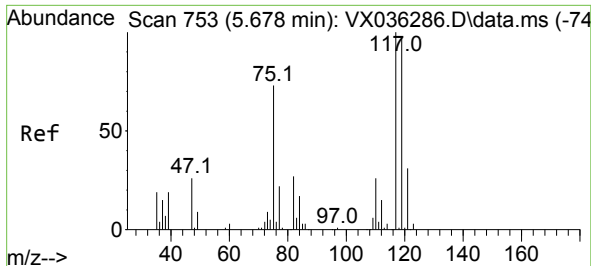
Tgt Ion: 75 Resp: 14086
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 13.794 ug/l
RT: 4.720 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 43 Resp: 40885
Ion Ratio Lower Upper
43 100
61 15.5 10.6 16.0
70 10.6 8.3 12.5

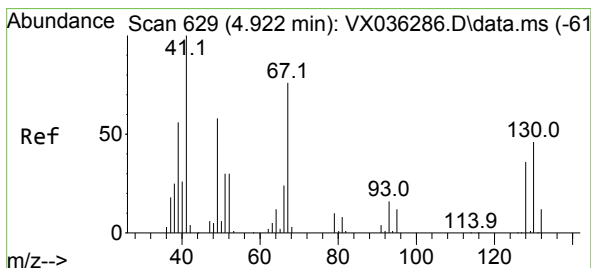
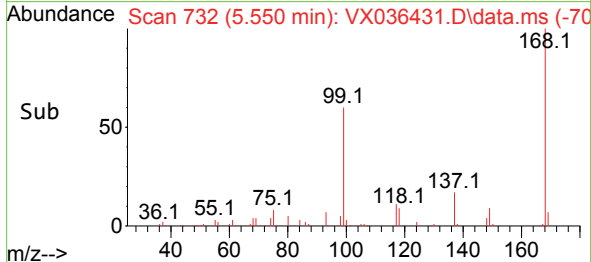
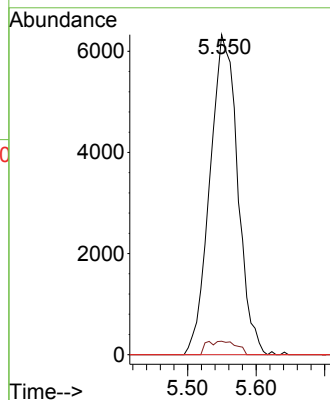
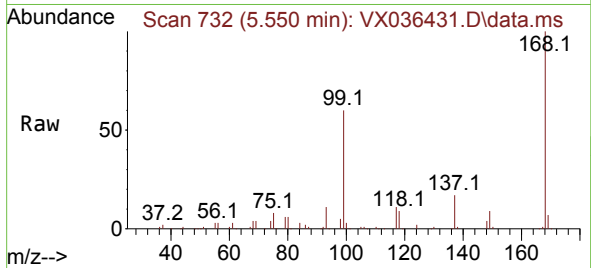




#38
Carbon Tetrachloride
Concen: 6.716 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

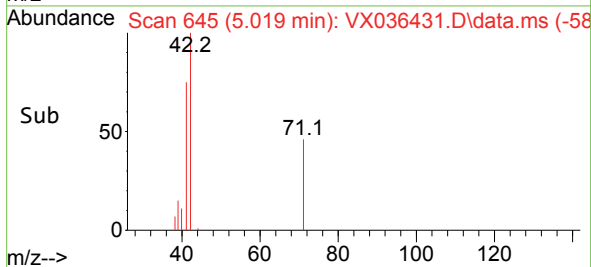
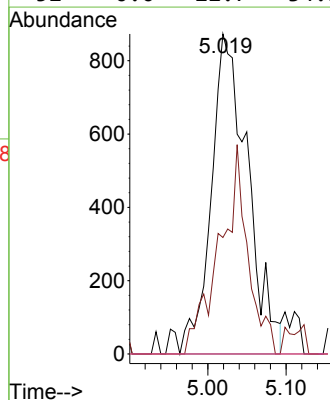
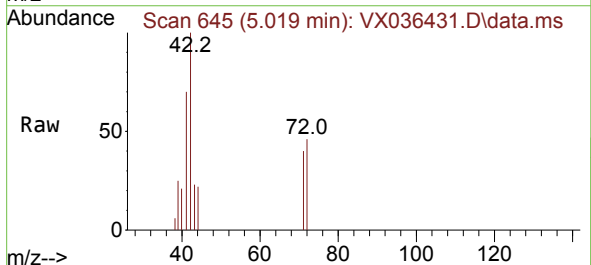
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

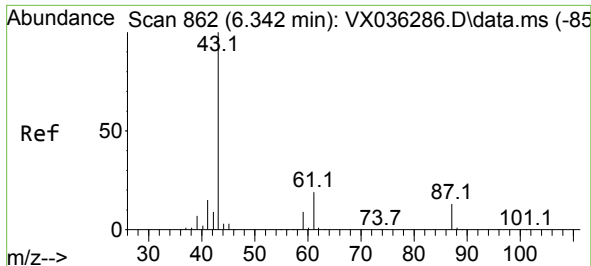
Tgt Ion:117 Resp: 17838
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.712 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 41 Resp: 2815
Ion Ratio Lower Upper
41 100
39 50.7 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

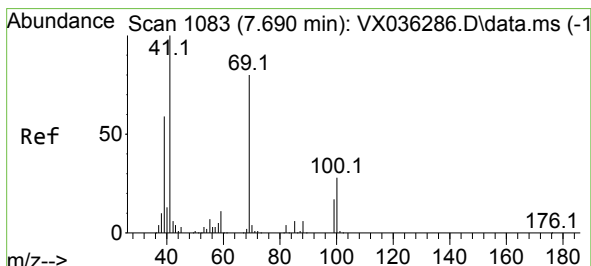
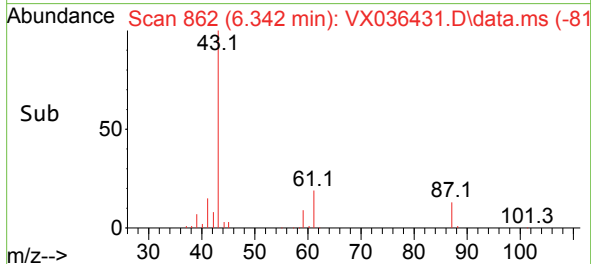
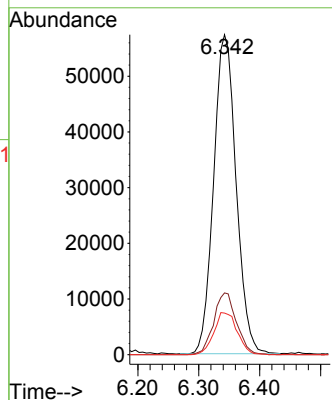
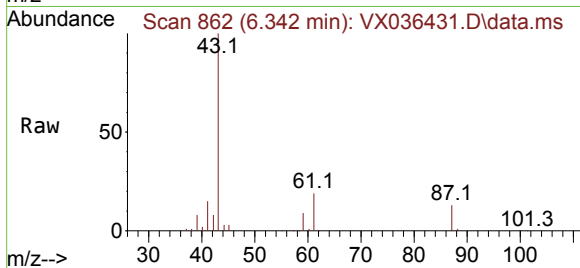




#43
Isopropyl Acetate
Concen: 31.079 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

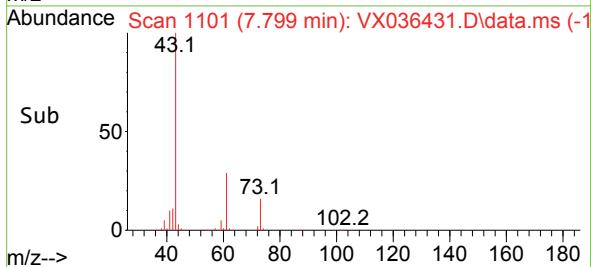
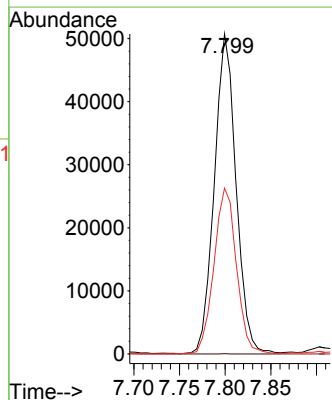
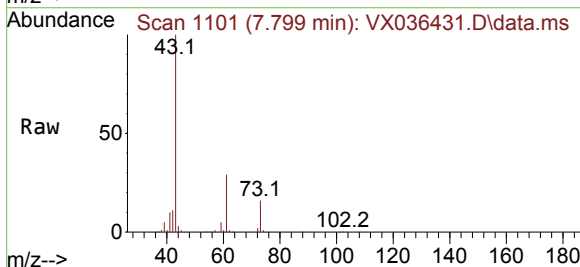
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

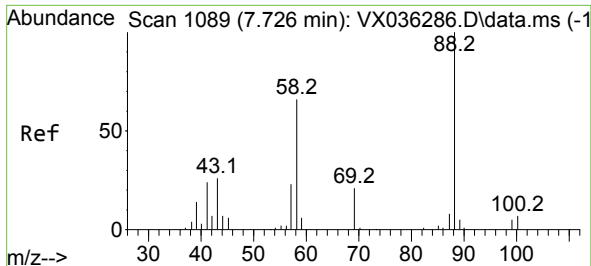
Tgt Ion: 43 Resp: 146952
Ion Ratio Lower Upper
43 100
61 19.6 15.2 22.8
87 13.7 9.8 14.6



#48
Methyl methacrylate
Concen: 35.651 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 41 Resp: 84048
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 53.6 47.7 71.5

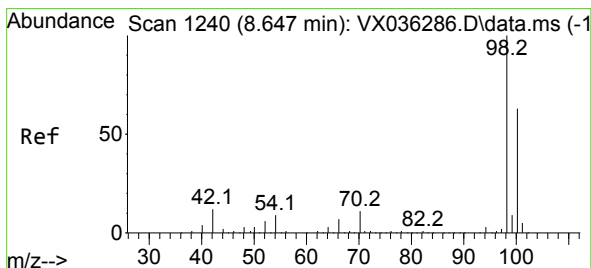
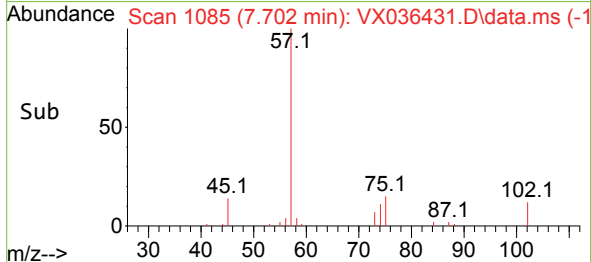
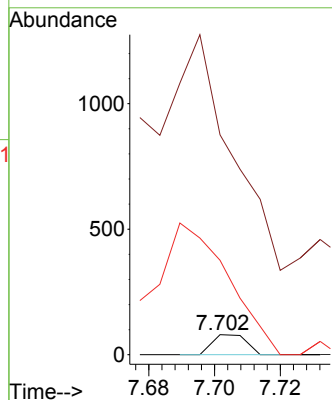
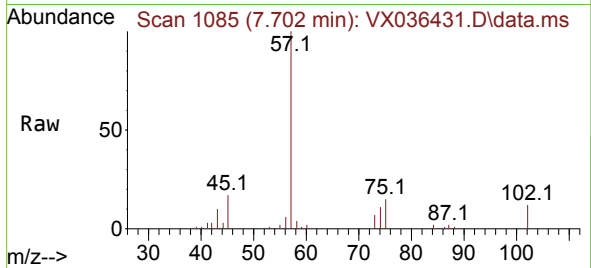




#49
1,4-Dioxane
Concen: 1.091 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. -0.030 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

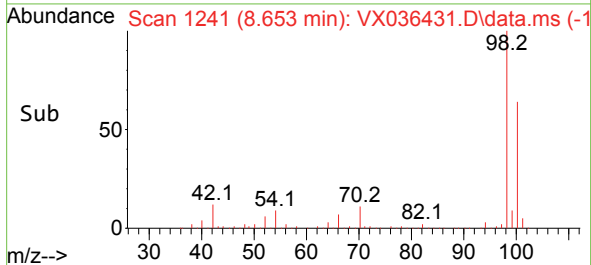
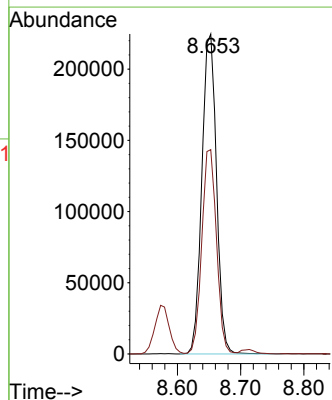
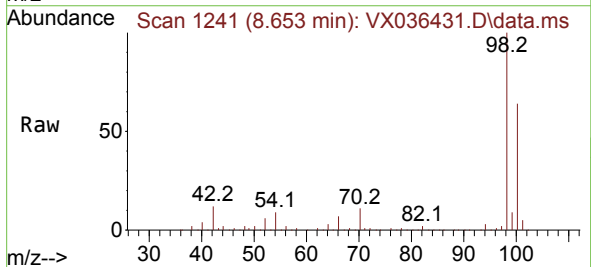
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

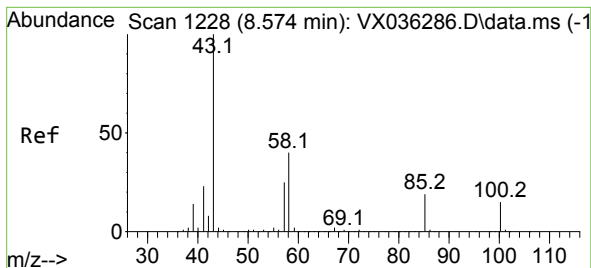
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 1412.3 60.1 90.1#



#50
Toluene-d8
Concen: 49.684 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 98 Resp: 362028
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7

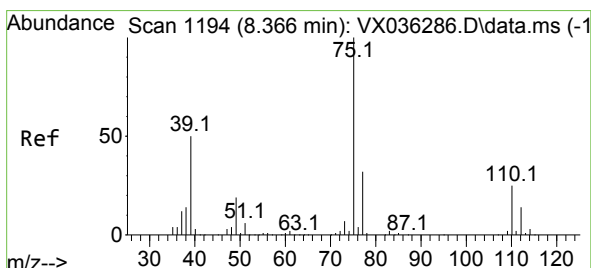
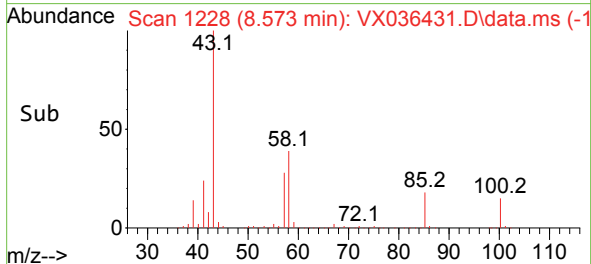
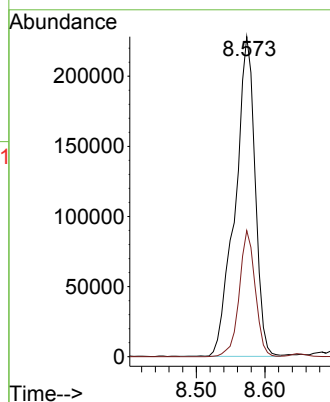
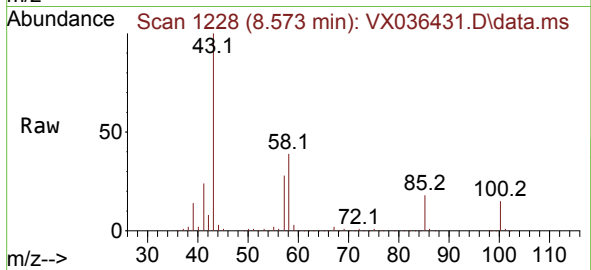




#51
4-Methyl-2-Pentanone
Concen: 151.638 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

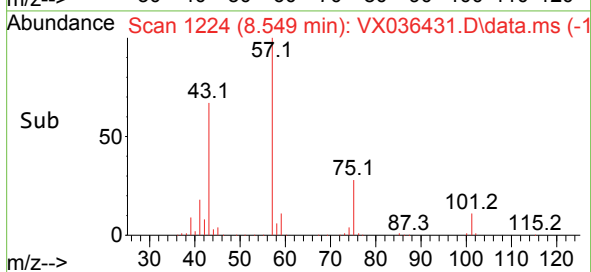
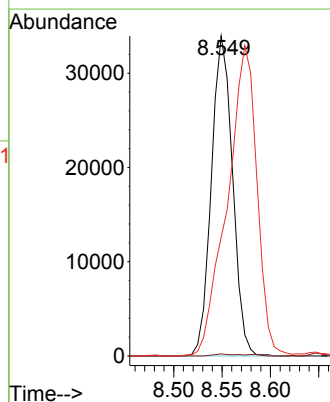
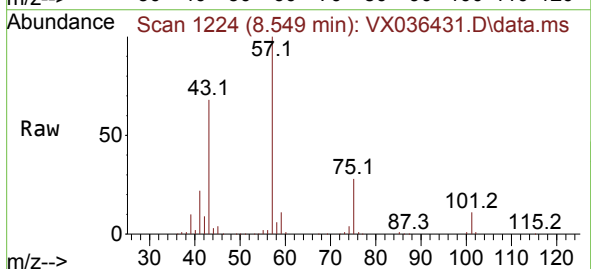
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

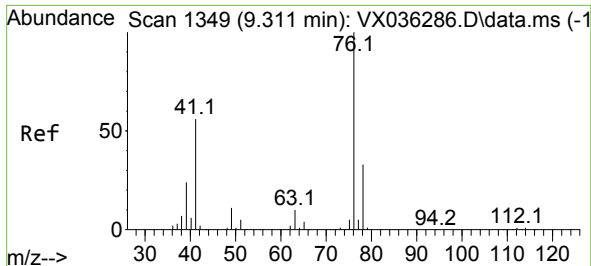
Tgt Ion: 43 Resp: 461931
Ion Ratio Lower Upper
43 100
58 31.7 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 16.071 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 75 Resp: 51686
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 37.1 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.229 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036431.D

Acq: 06 Jul 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

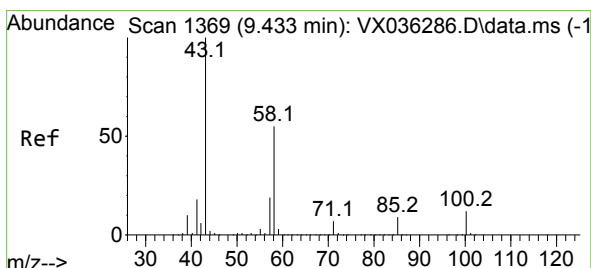
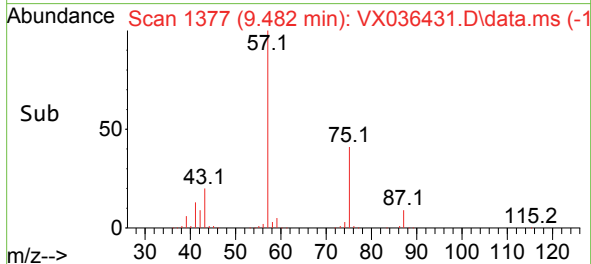
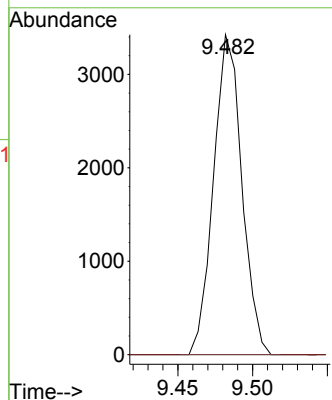
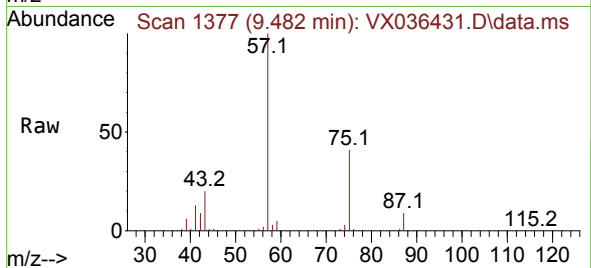
WC-WWS-03-G

Tgt Ion: 76 Resp: 4506

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 27.032 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036431.D

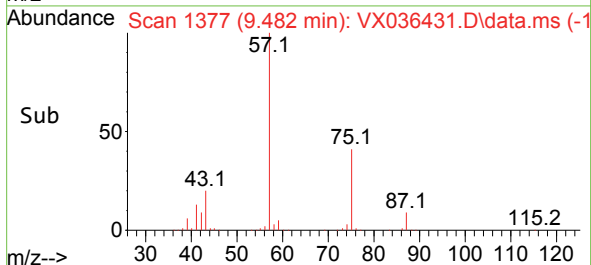
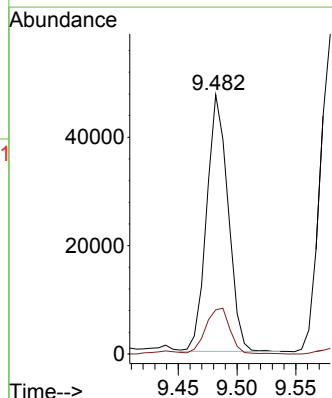
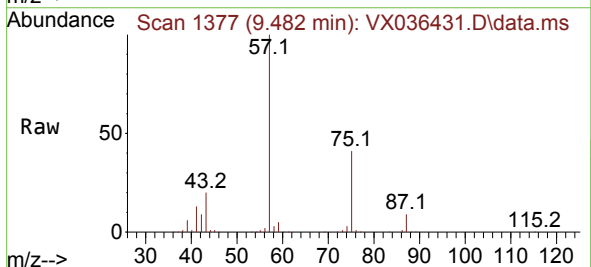
Acq: 06 Jul 2023 13:30

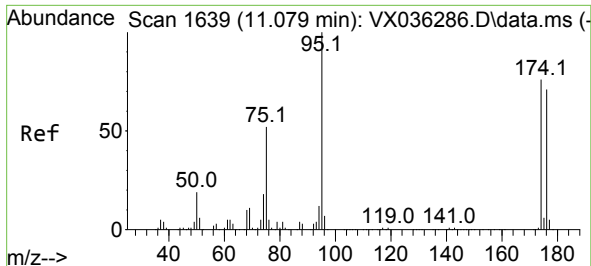
Tgt Ion: 43 Resp: 60134

Ion Ratio Lower Upper

43 100

58 20.3 26.2 78.5#

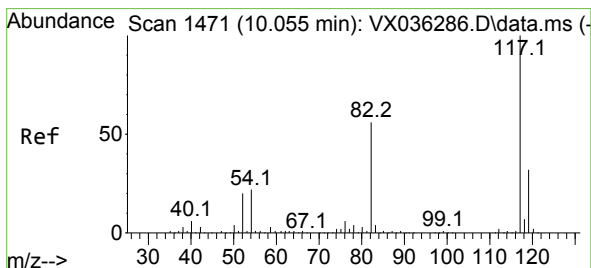
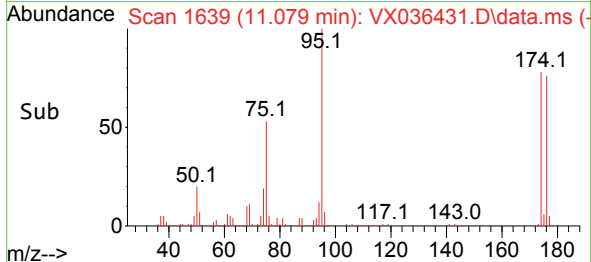
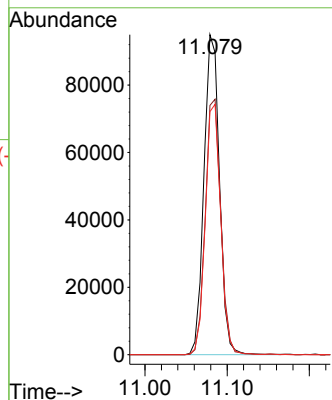
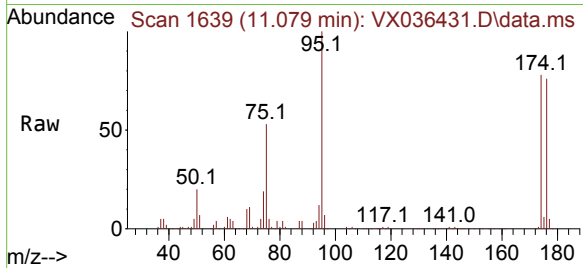




#62
4-Bromofluorobenzene
Concen: 48.599 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

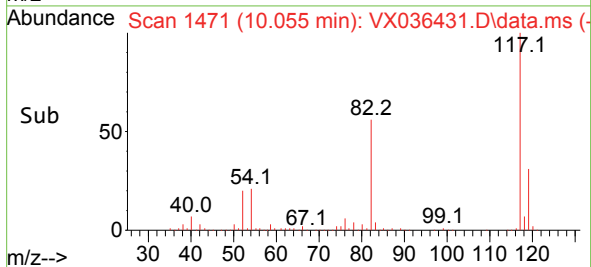
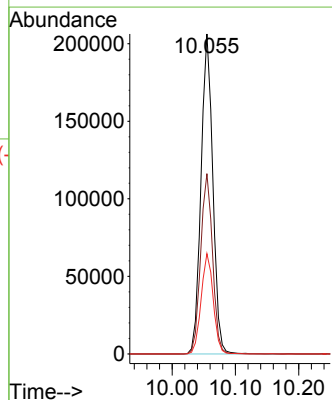
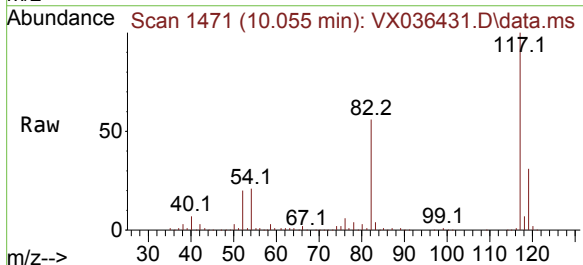
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

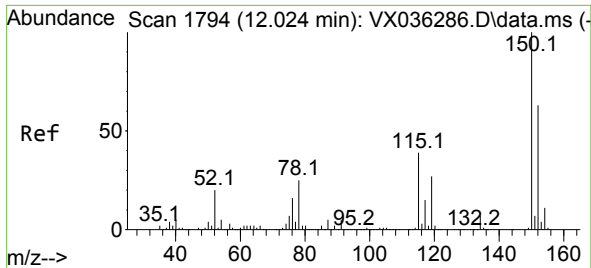
Tgt Ion: 95 Resp: 124733
Ion Ratio Lower Upper
95 100
174 79.8 0.0 135.6
176 77.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 117 Resp: 268001
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.4
119 31.4 25.5 38.3

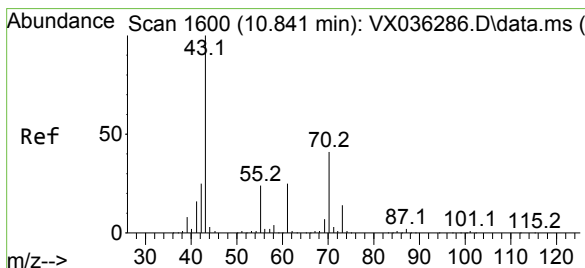
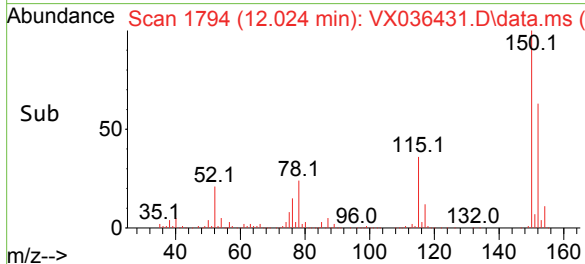
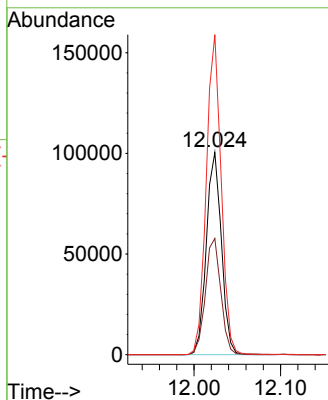
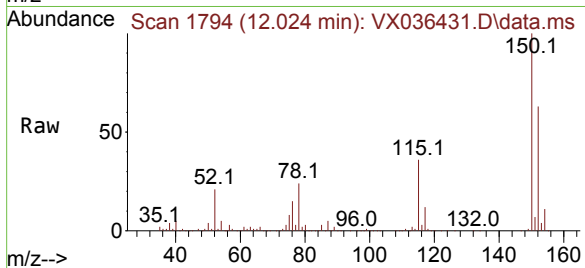




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

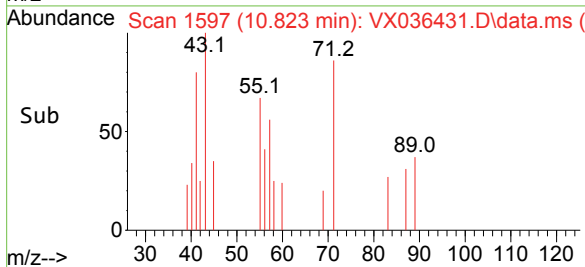
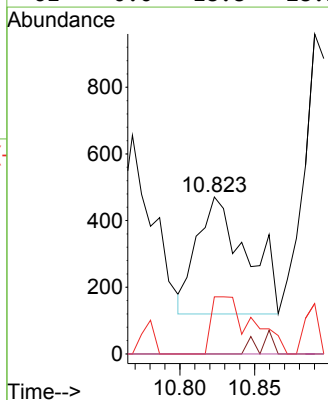
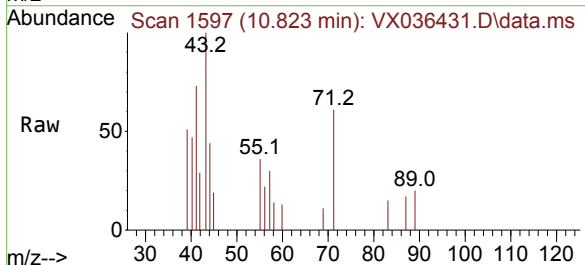
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

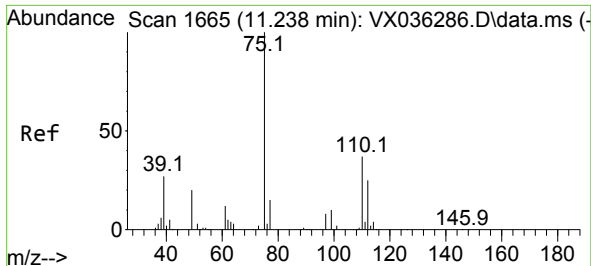
Tgt Ion:152 Resp: 121538
Ion Ratio Lower Upper
152 100
115 58.8 43.3 129.9
150 156.2 0.0 345.0



#74
N-ethyl acetate
Concen: 0.221 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.018 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 40.4 19.3 28.9#
61 0.0 18.8 28.2#

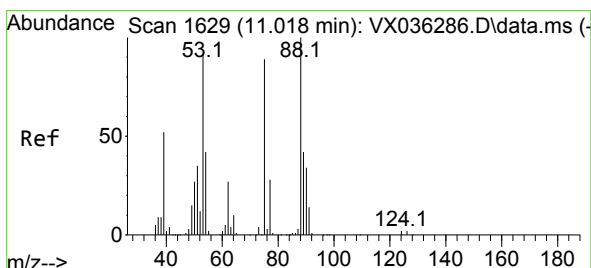
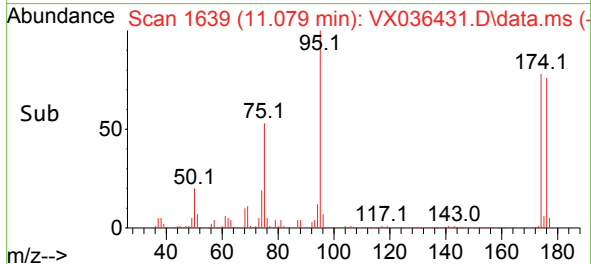
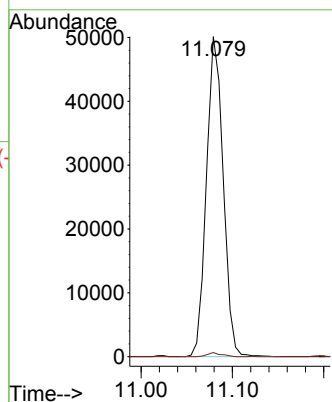
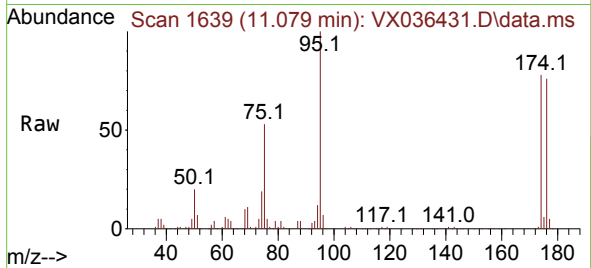




#76
1,2,3-Trichloropropane
Concen: 24.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-03-G

Tgt Ion: 75 Resp: 63728
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.132 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036431.D
Acq: 06 Jul 2023 13:30

Tgt Ion: 75 Resp: 63728
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

