

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036432.D
 Acq On : 06 Jul 2023 13:54
 Operator : JC/MD
 Sample : 03509-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

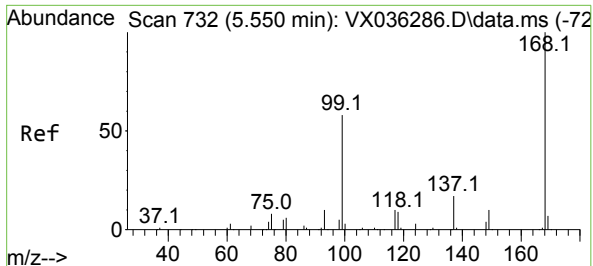
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-04-G

Quant Time: Jul 07 01:47:14 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	165432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	284861	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	107720	45.426	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.860%		
35) Dibromofluoromethane	5.391	113	88839	47.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.600%		
50) Toluene-d8	8.653	98	348351	49.655	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.320%		
62) 4-Bromofluorobenzene	11.079	95	117950	47.732	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.460%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	4263	9.876	ug/l #	92
14) Allyl chloride	2.666	41	2284	0.748	ug/l #	24
16) Acetone	2.392	43	225994	222.965	ug/l	94
17) Carbon Disulfide	2.514	76	1176	0.255	ug/l #	76
18) Methyl Acetate	2.709	43	4194	1.006	ug/l	96
20) Methylene Chloride	2.788	84	13906	6.372	ug/l	94
25) 2-Butanone	4.568	43	116659	80.106	ug/l	94
29) Tetrahydrofuran	5.038	42	4213	4.544	ug/l	95
31) Cyclohexane	5.556	56	4037	1.328	ug/l #	4
36) 1,1-Dichloropropene	5.550	75	13266	4.738	ug/l #	52
37) Ethyl Acetate	4.721	43	38935	13.644	ug/l #	91
38) Carbon Tetrachloride	5.550	117	17497	6.842	ug/l #	13
41) Methacrylonitrile	5.025	41	2759	1.743	ug/l #	39
43) Isopropyl Acetate	6.342	43	142649	31.336	ug/l	96
48) Methyl methacrylate	7.598	41	2730	1.203	ug/l #	16
49) 1,4-Dioxane	7.696	88	124	2.464	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	456987	155.814	ug/l	89
54) cis-1,3-Dichloropropene	8.549	75	50946	16.454	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	4654	1.318	ug/l #	42
59) 2-Hexanone	9.482	43	66793	31.186	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	62072	25.464	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	62072	83.006	ug/l #	5

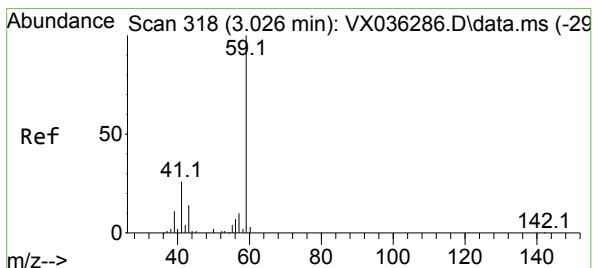
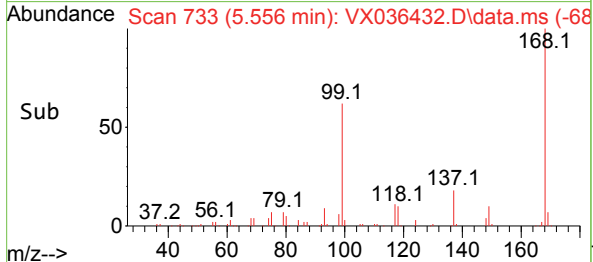
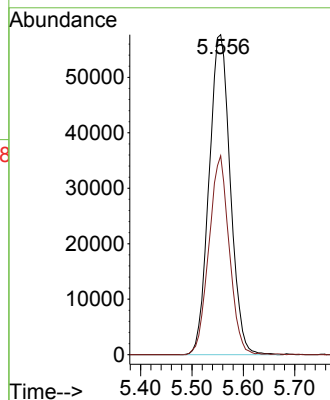
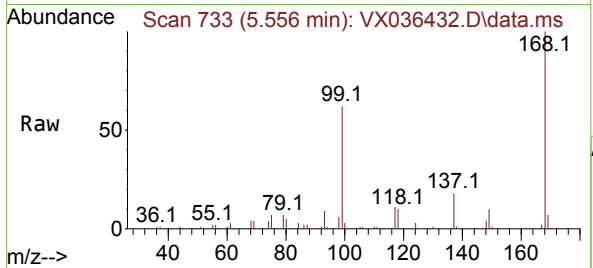
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

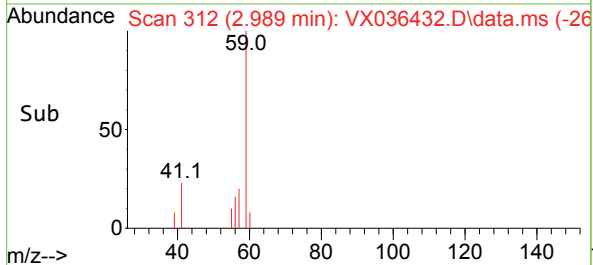
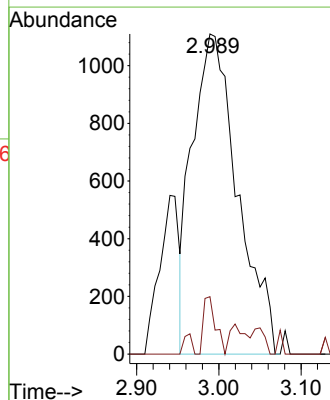
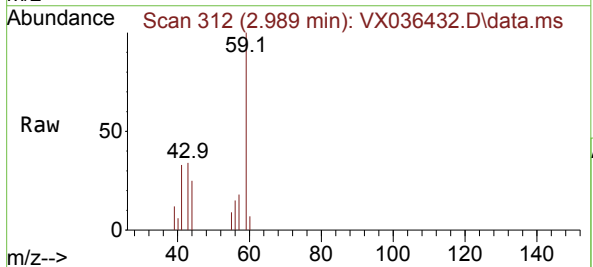
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-04-G

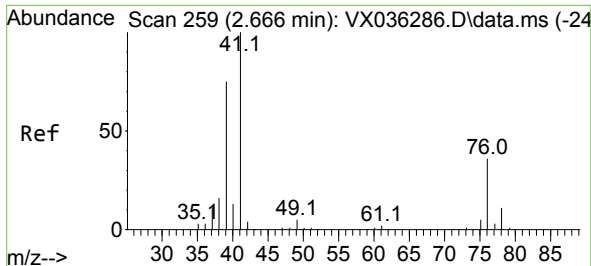
Tgt Ion:168 Resp: 165432
Ion Ratio Lower Upper
168 100
99 62.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 9.876 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.024 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 59 Resp: 4263
Ion Ratio Lower Upper
59 100
57 4.8 6.0 9.0#

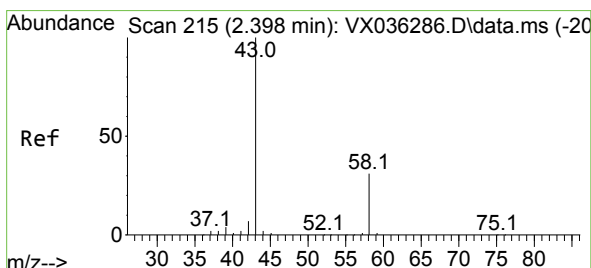
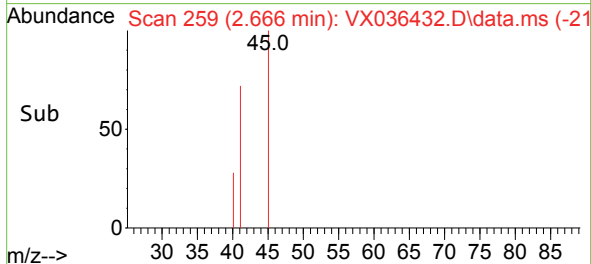
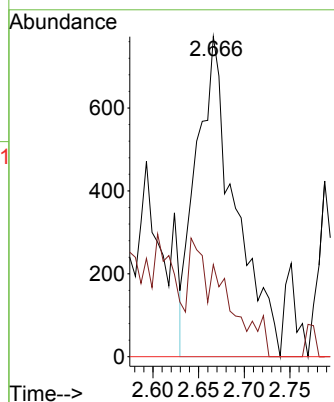
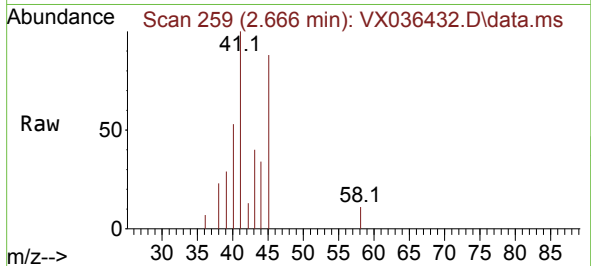




#14
 Allyl chloride
 Concen: 0.748 ug/l
 RT: 2.666 min Scan# 214
 Delta R.T. 0.000 min
 Lab File: VX036432.D
 Acq: 06 Jul 2023 13:54

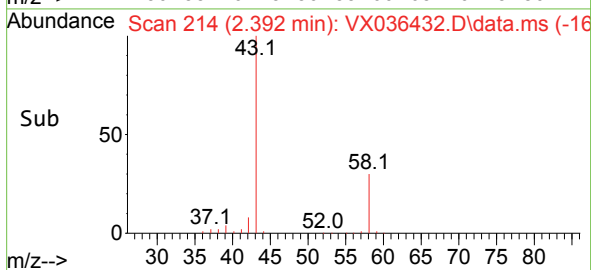
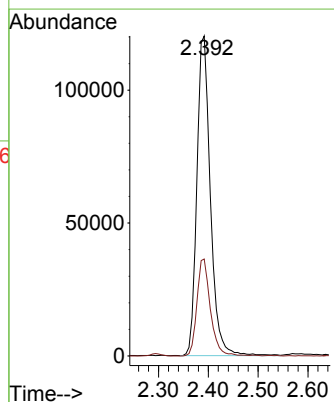
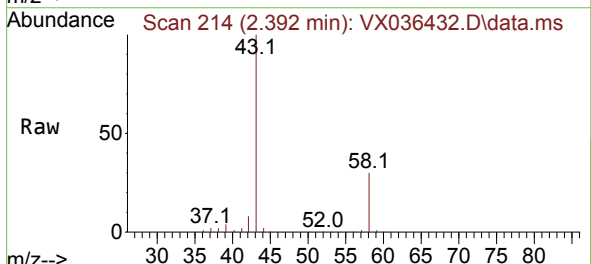
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-04-G

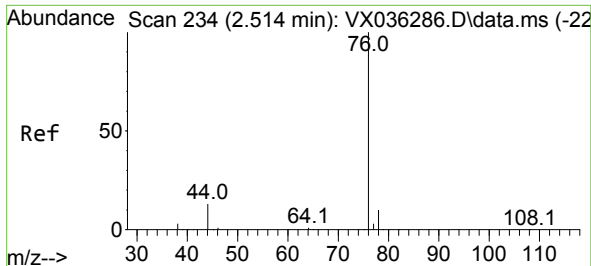
Tgt Ion: 41 Resp: 2284
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 222.965 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.012 min
 Lab File: VX036432.D
 Acq: 06 Jul 2023 13:54

Tgt Ion: 43 Resp: 225994
 Ion Ratio Lower Upper
 43 100
 58 30.3 21.9 32.9





#17

Carbon Disulfide

Concen: 0.255 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.001 min

Lab File: VX036432.D

Acq: 06 Jul 2023 13:54

Instrument :

MSVOA_X

ClientSampleId :

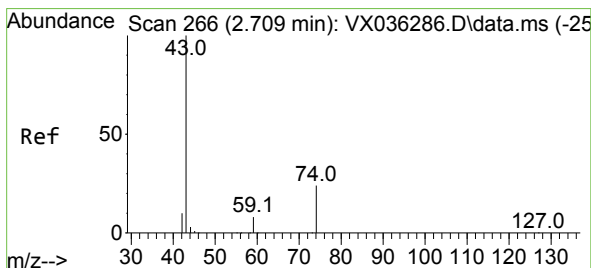
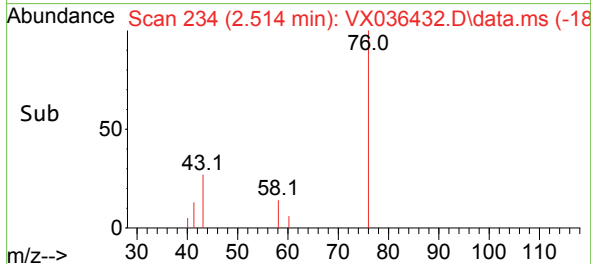
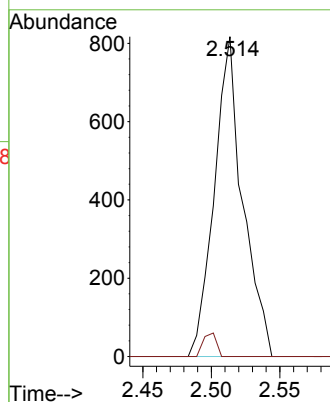
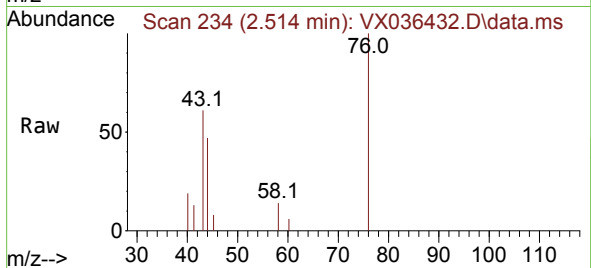
WC-WWS-04-G

Tgt Ion: 76 Resp: 1176

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 1.006 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX036432.D

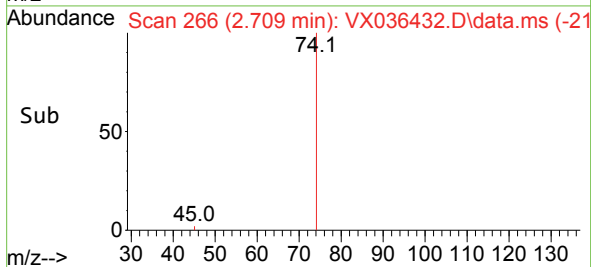
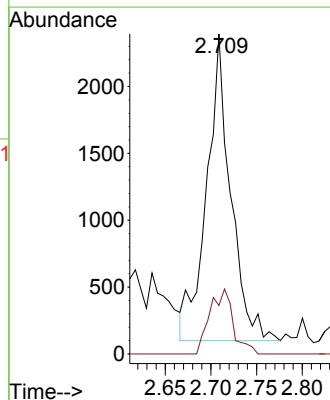
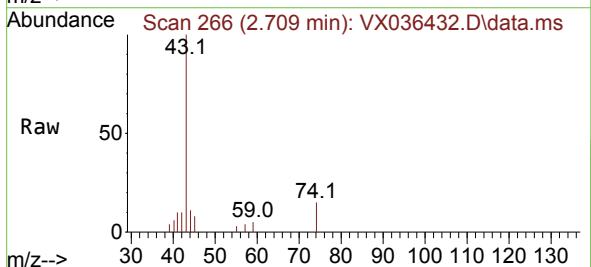
Acq: 06 Jul 2023 13:54

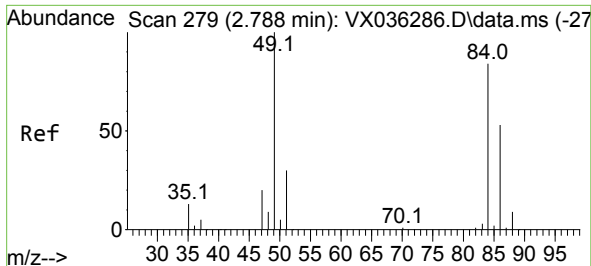
Tgt Ion: 43 Resp: 4194

Ion Ratio Lower Upper

43 100

74 20.5 17.8 26.8

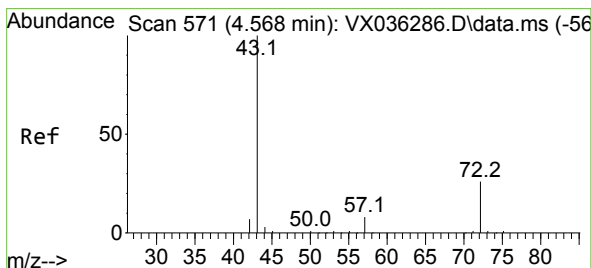
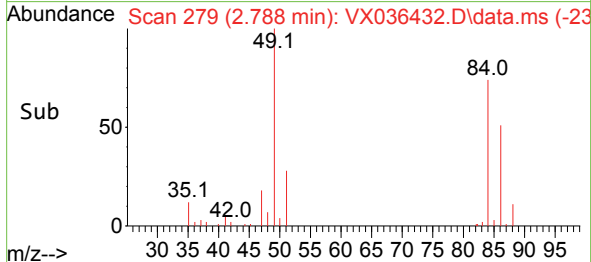
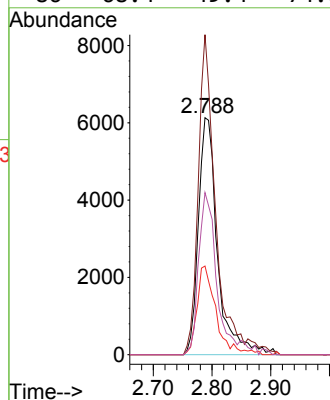
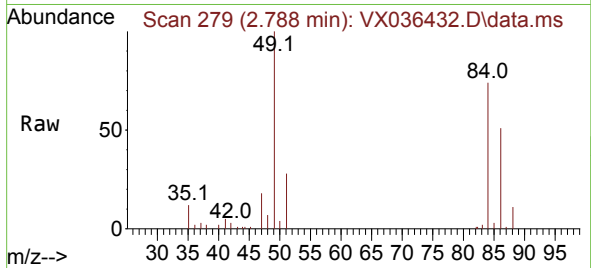




#20
Methylene Chloride
Concen: 6.372 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

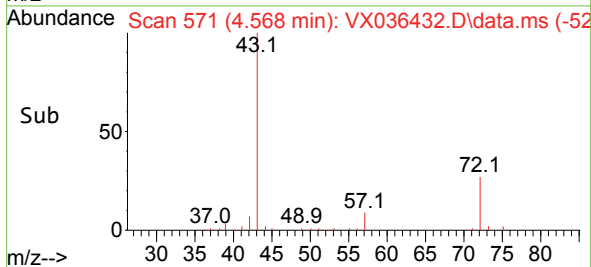
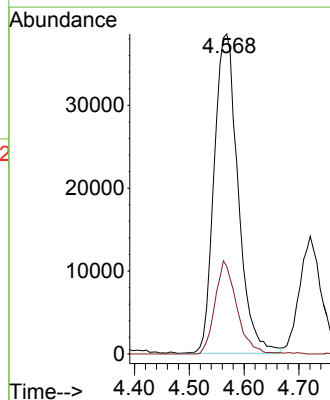
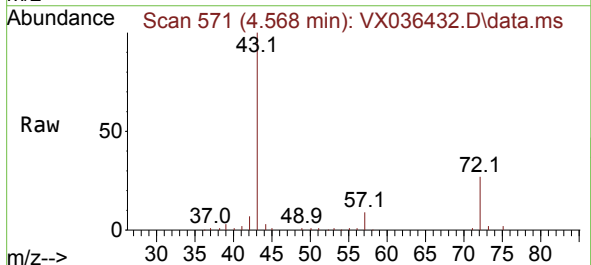
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-04-G

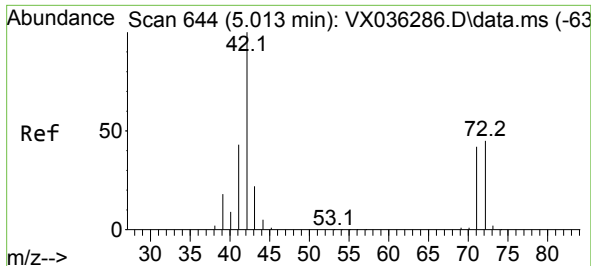
Tgt Ion: 84	Resp: 13906		
Ion	Ratio	Lower	Upper
84	100		
49	135.1	103.6	155.4
51	37.4	33.8	50.6
86	68.4	49.4	74.0



#25
2-Butanone
Concen: 80.106 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 43	Resp: 116659
Ion Ratio	Lower Upper
43 100	
72 27.4	19.4 29.2





#29

Tetrahydrofuran

Concen: 4.544 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX036432.D

Acq: 06 Jul 2023 13:54

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-04-G

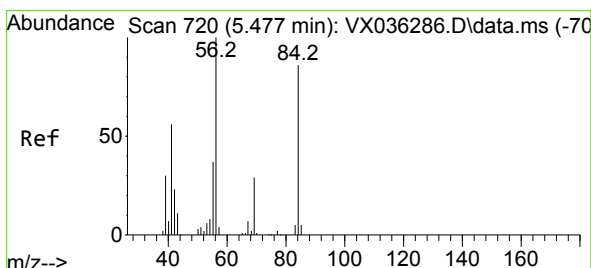
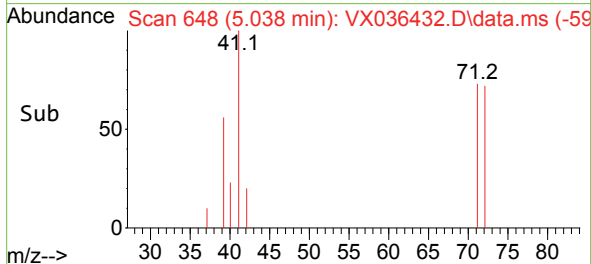
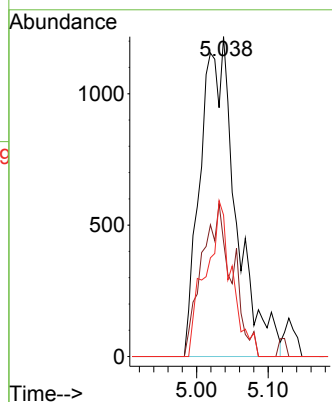
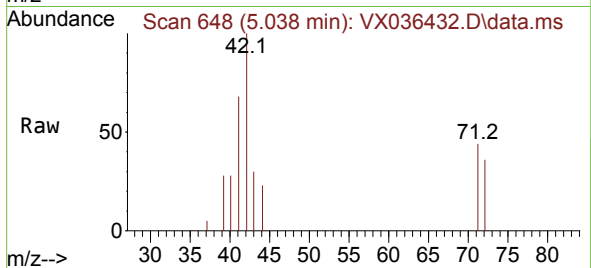
Tgt Ion: 42 Resp: 4213

Ion Ratio Lower Upper

42 100

72 41.0 34.2 51.4

71 36.0 32.2 48.2



#31

Cyclohexane

Concen: 1.328 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX036432.D

Acq: 06 Jul 2023 13:54

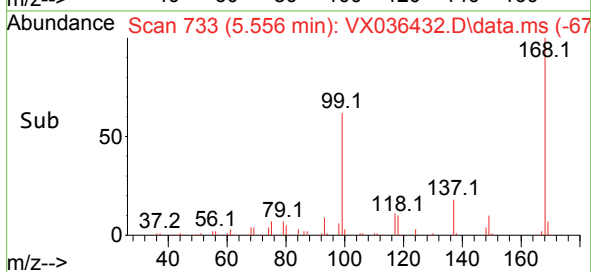
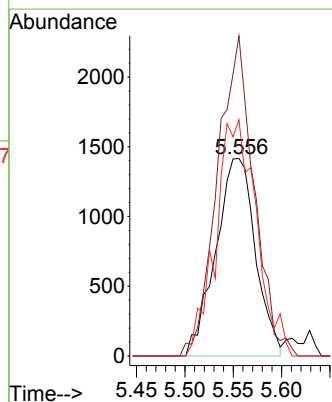
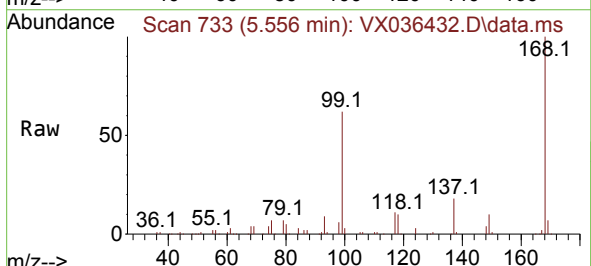
Tgt Ion: 56 Resp: 4037

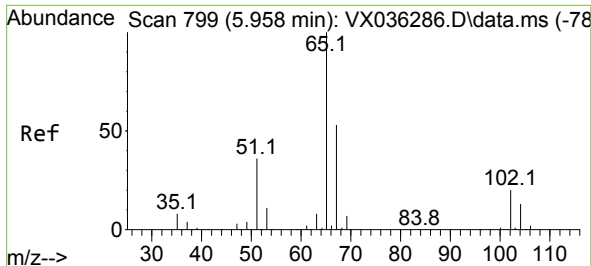
Ion Ratio Lower Upper

56 100

69 162.1 23.4 35.2#

84 119.6 65.9 98.9#

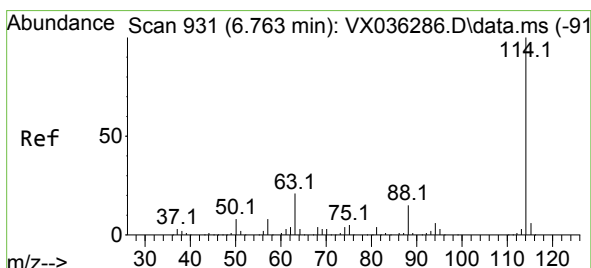
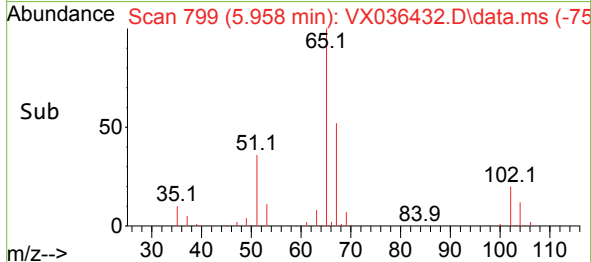
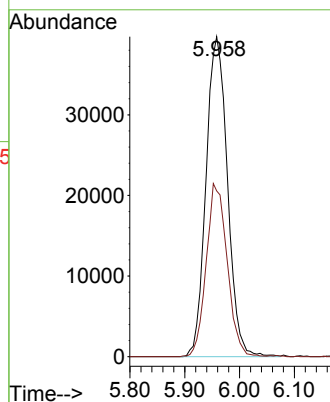
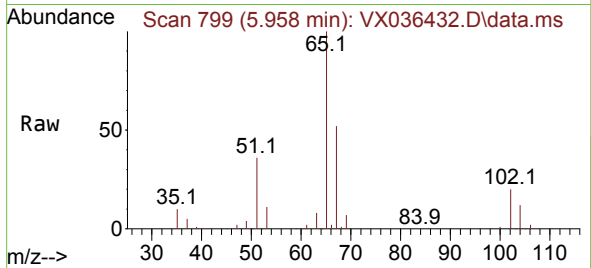




#33
1,2-Dichloroethane-d4
Concen: 45.426 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

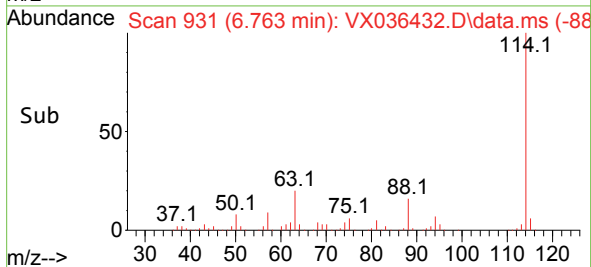
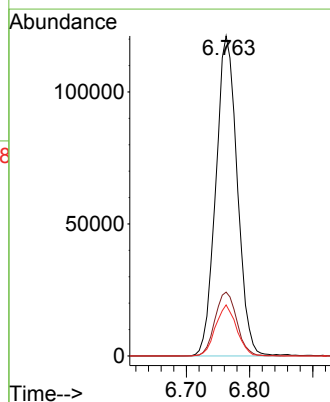
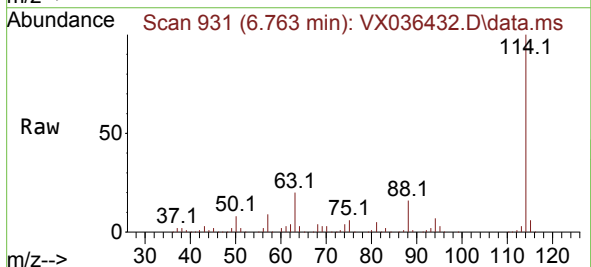
Instrument :
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WC-WWS-04-G

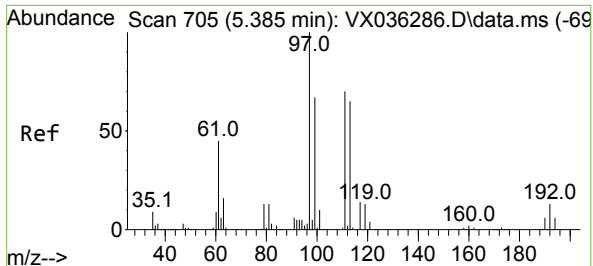
Tgt Ion: 65 Resp: 107720
Ion Ratio Lower Upper
65 100
67 52.9 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 114 Resp: 284861
Ion Ratio Lower Upper
114 100
63 19.9 0.0 45.0
88 16.0 0.0 36.6

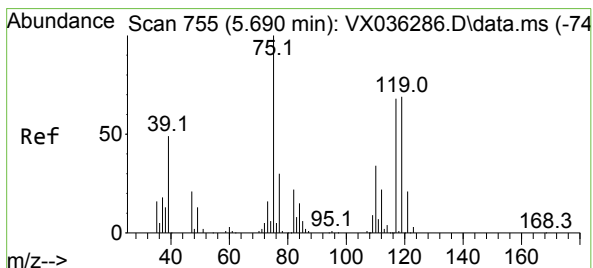
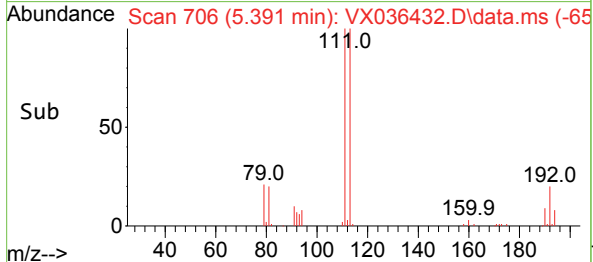
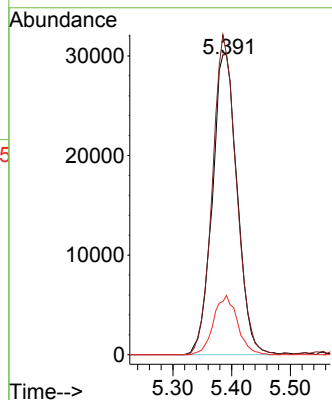
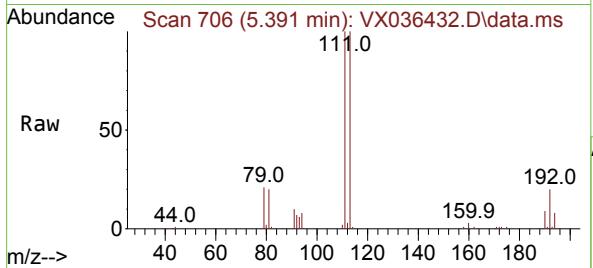




#35
Dibromofluoromethane
Concen: 47.298 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

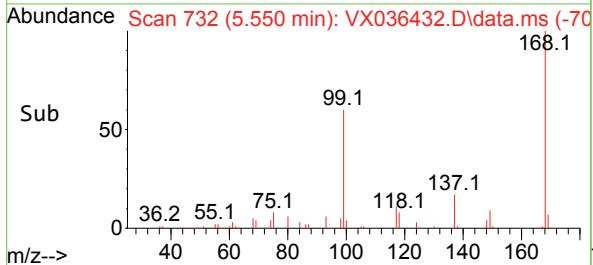
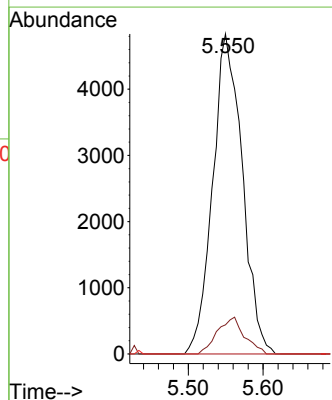
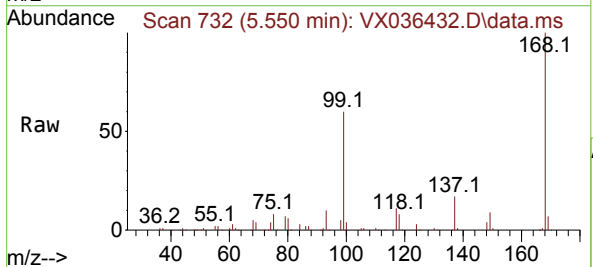
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-04-G

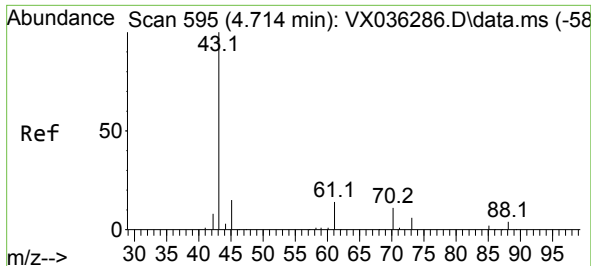
Tgt Ion:113 Resp: 88839
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 18.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.738 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 75 Resp: 13266
Ion Ratio Lower Upper
75 100
110 10.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 13.644 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.007 min

Lab File: VX036432.D

Acq: 06 Jul 2023 13:54

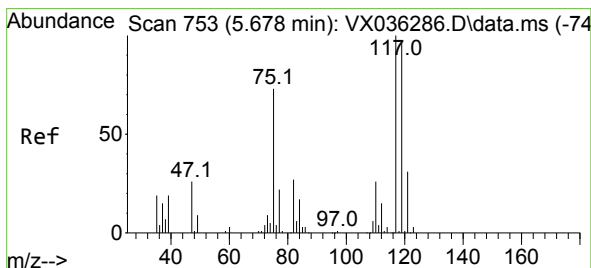
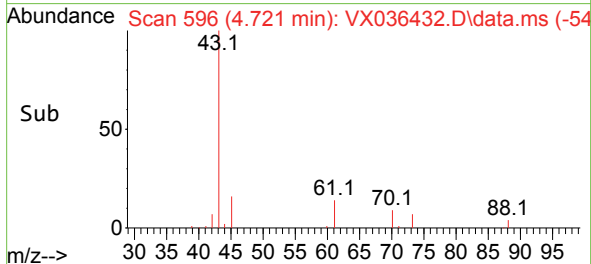
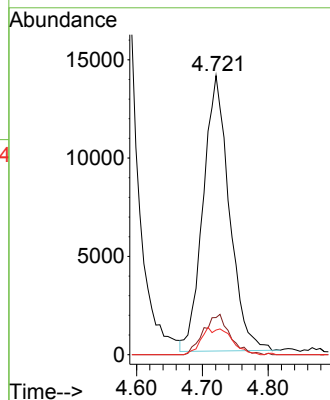
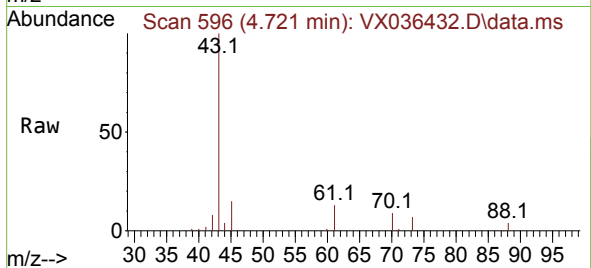
Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-04-G

Tgt Ion:	43	Resp:	38935
Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.6	16.0
70	4.6	8.3	12.5



#38

Carbon Tetrachloride

Concen: 6.842 ug/l

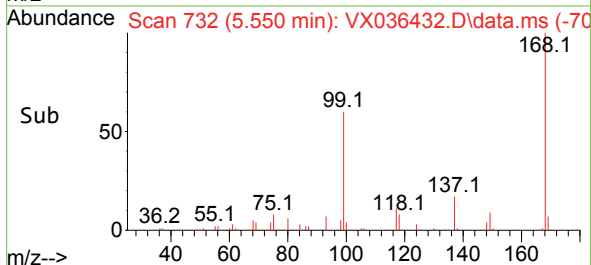
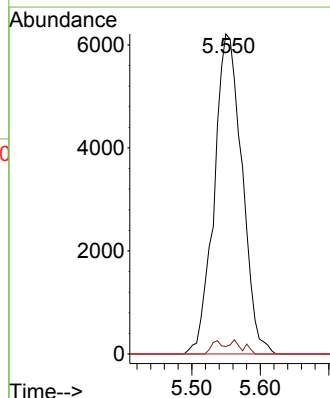
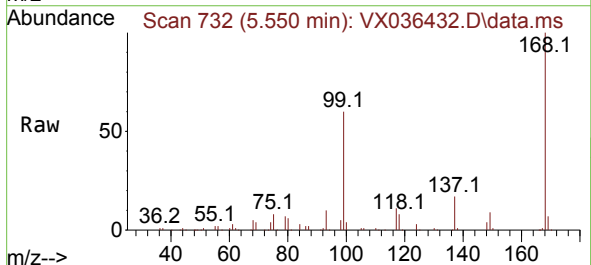
RT: 5.550 min Scan# 732

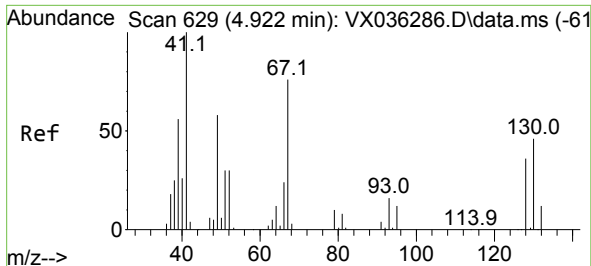
Delta R.T. -0.128 min

Lab File: VX036432.D

Acq: 06 Jul 2023 13:54

Tgt Ion:	117	Resp:	17497
Ion	Ratio	Lower	Upper
117	100		
119	2.3	78.2	117.2
121	0.0	24.4	36.6

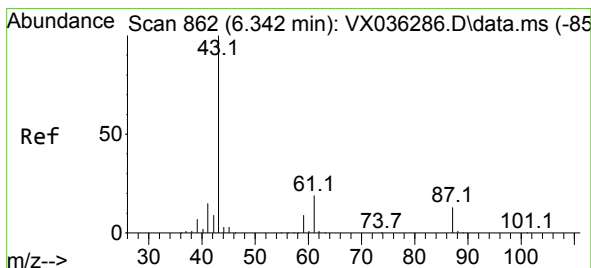
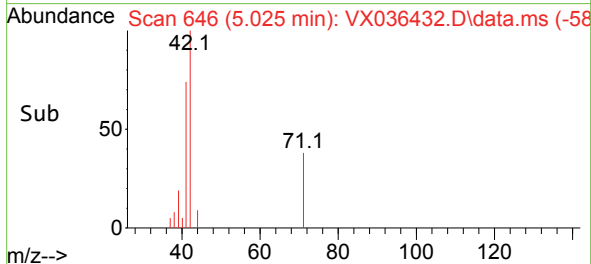
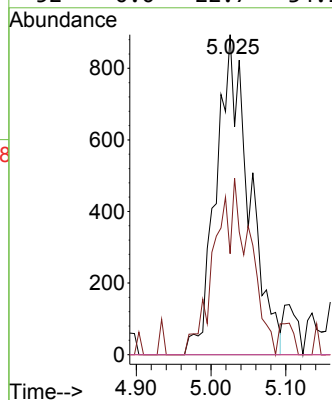
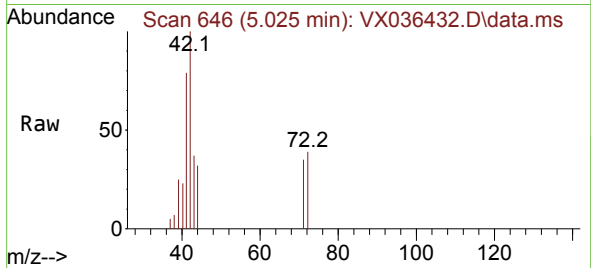




#41
Methacrylonitrile
Concen: 1.743 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.103 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

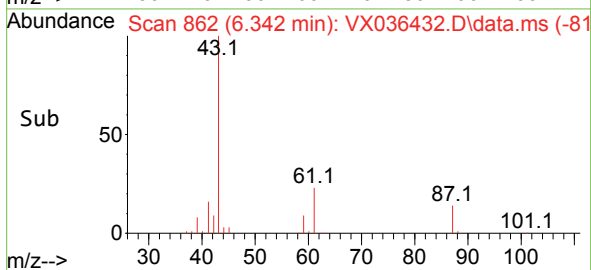
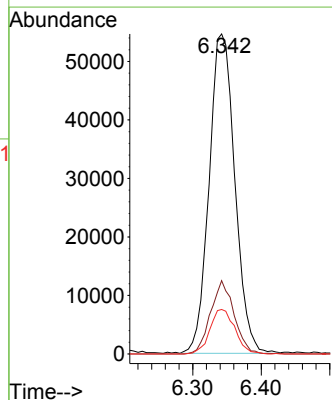
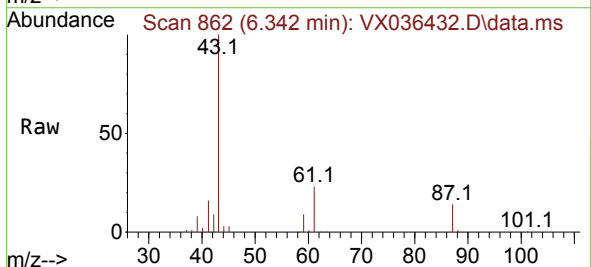
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-04-G

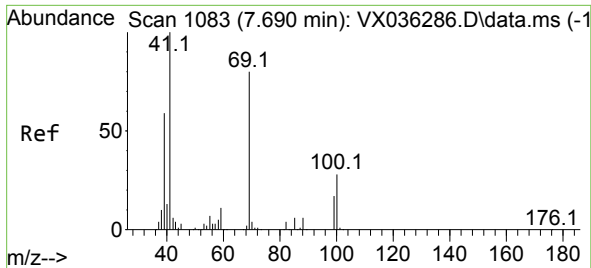
Tgt Ion: 41	Resp: 2759
Ion Ratio	Lower Upper
41 100	
39 27.9	45.2 67.8#
67 0.0	52.6 78.8#
52 0.0	22.7 34.1#



#43
Isopropyl Acetate
Concen: 31.336 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 43	Resp: 142649
Ion Ratio	Lower Upper
43 100	
61 21.0	15.2 22.8
87 13.5	9.8 14.6

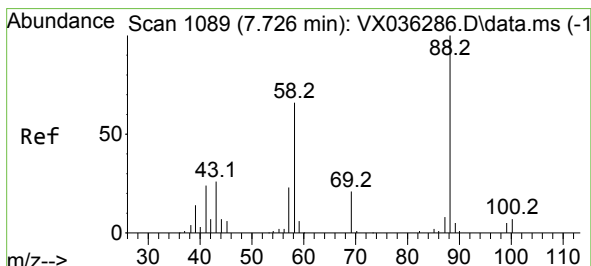
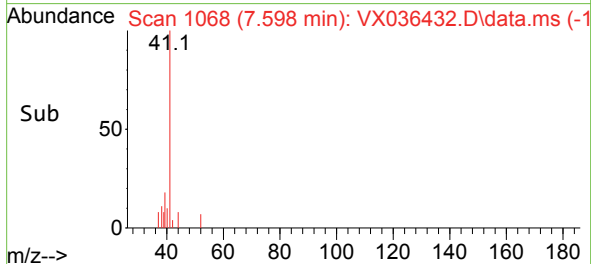
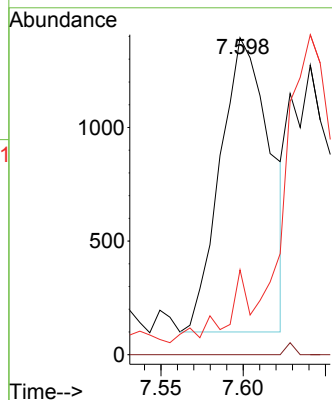
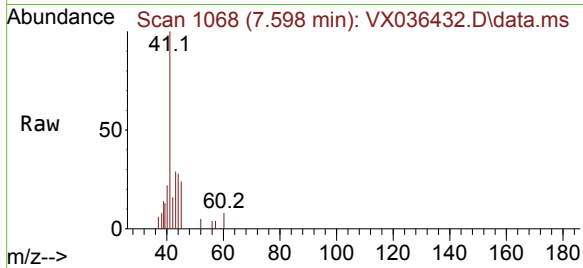




#48
Methyl methacrylate
Concen: 1.203 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

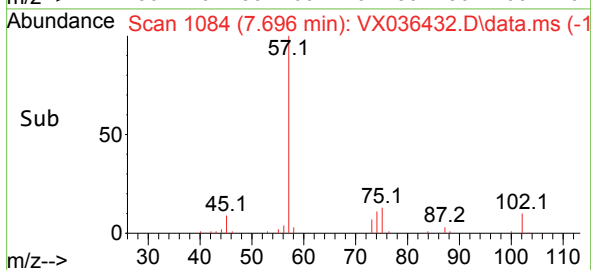
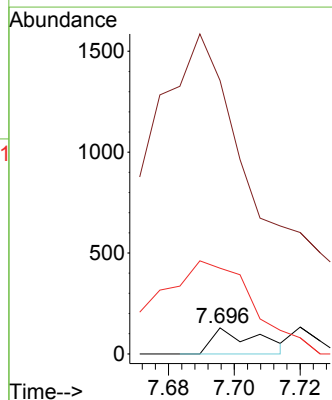
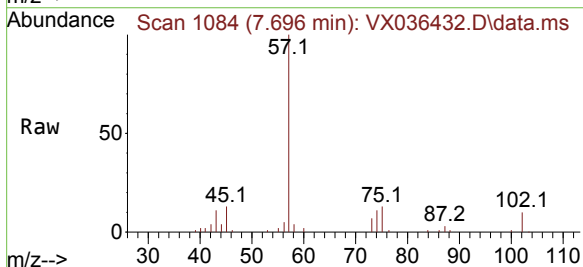
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-04-G

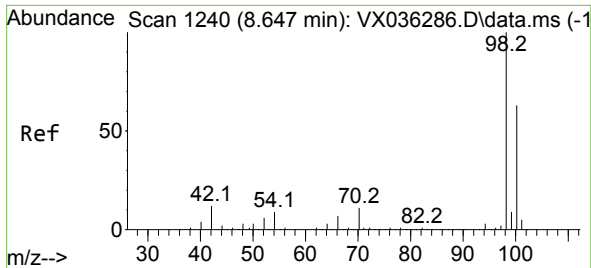
Tgt Ion: 41 Resp: 2730
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 2.464 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.036 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 585.5 60.1 90.1#

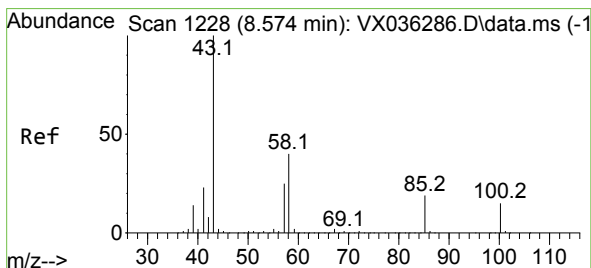
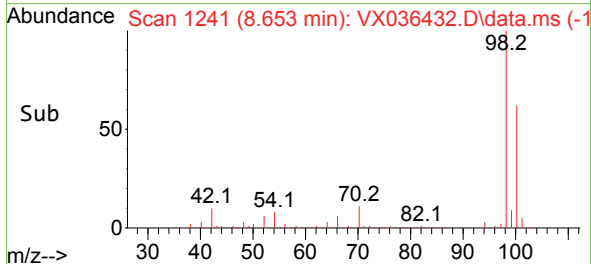
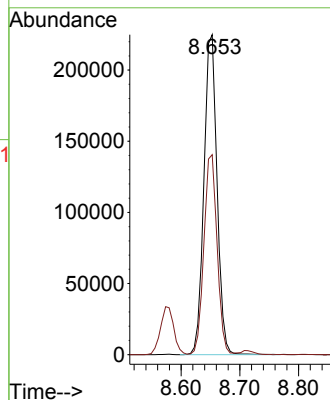
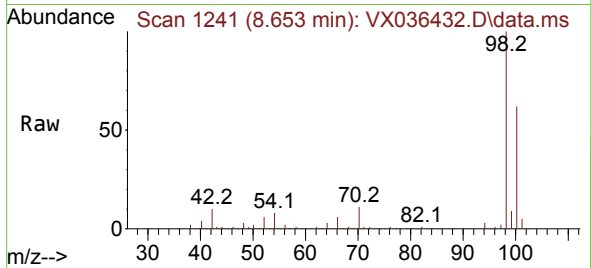




#50
Toluene-d8
Concen: 49.655 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

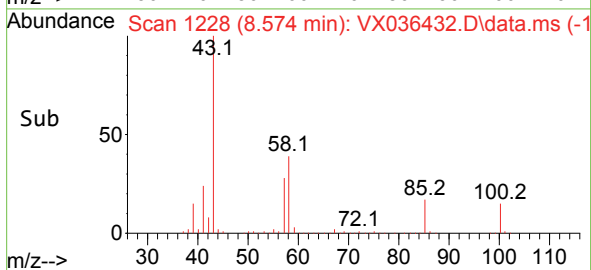
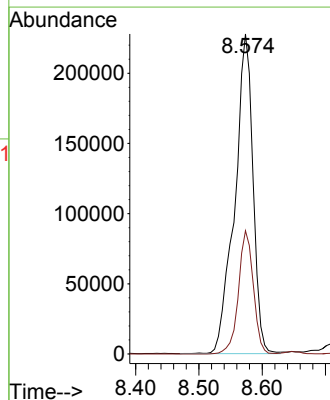
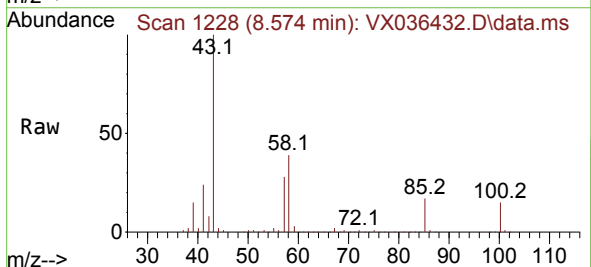
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-04-G

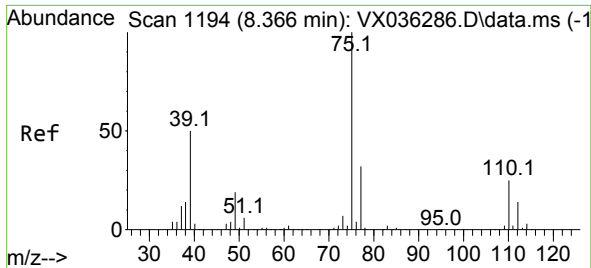
Tgt Ion: 98 Resp: 348351
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 155.814 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 43 Resp: 456987
Ion Ratio Lower Upper
43 100
58 31.5 30.4 45.6

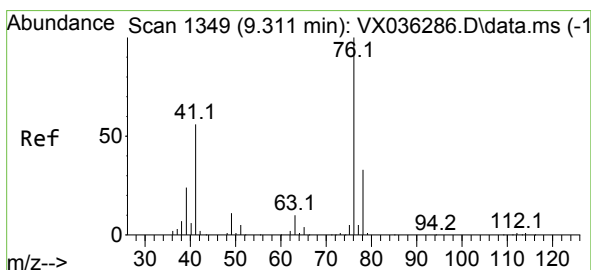
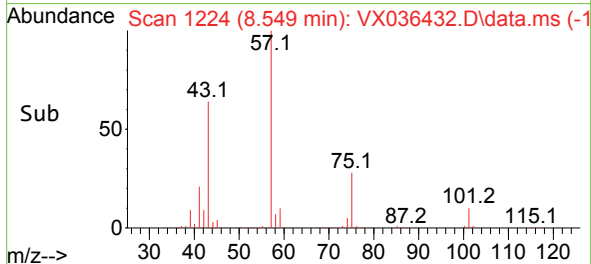
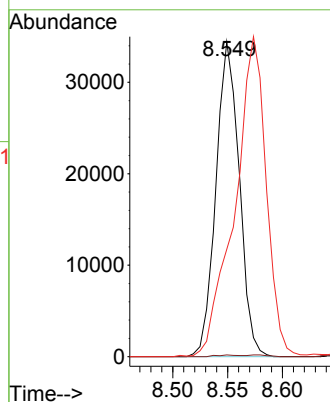
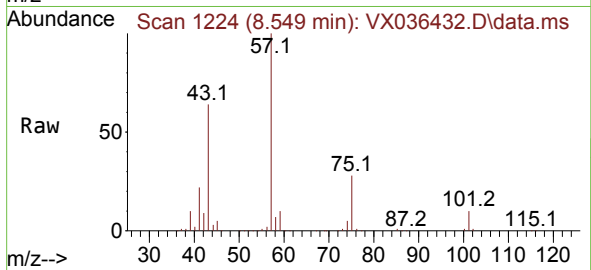




#54
 cis-1,3-Dichloropropene
 Concen: 16.454 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036432.D
 Acq: 06 Jul 2023 13:54

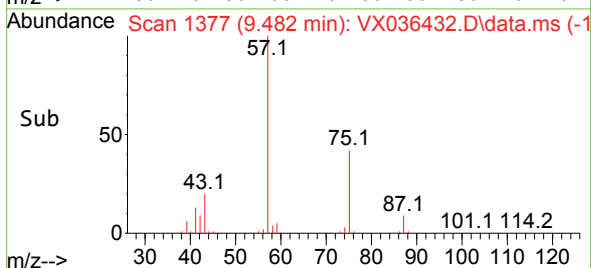
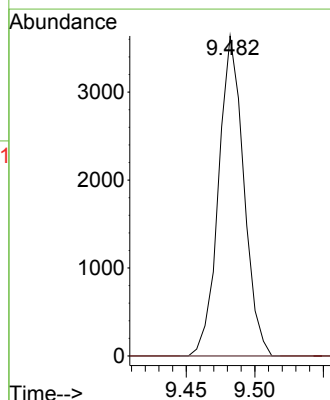
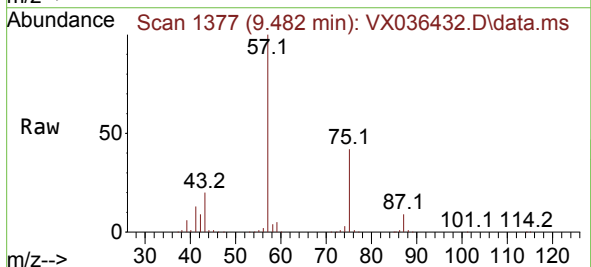
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-04-G

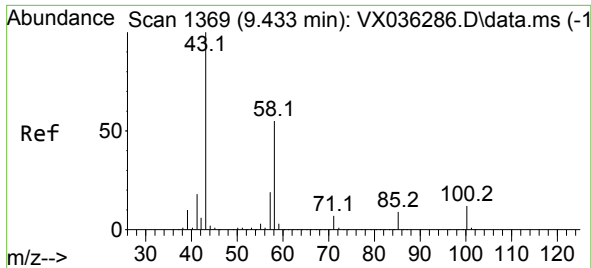
Tgt Ion: 75 Resp: 50946
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 33.7 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.318 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036432.D
 Acq: 06 Jul 2023 13:54

Tgt Ion: 76 Resp: 4654
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

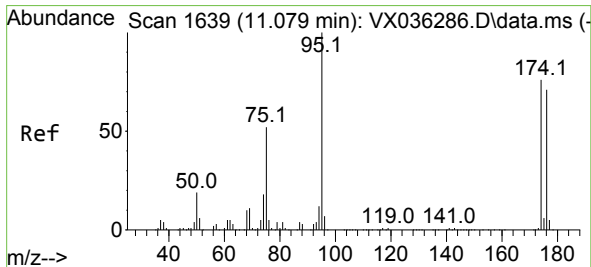
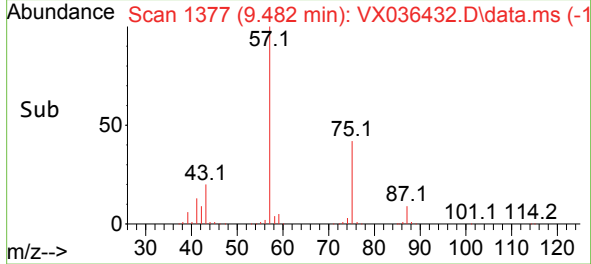
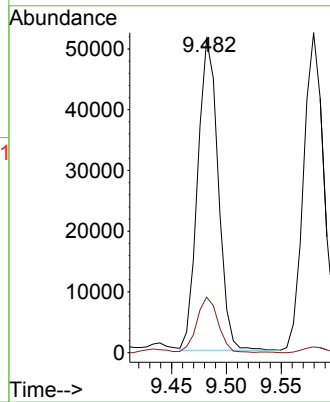
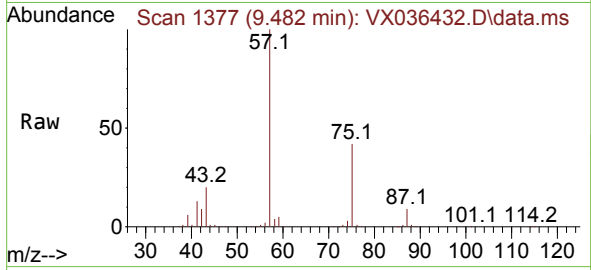




#59
2-Hexanone
Concen: 31.186 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

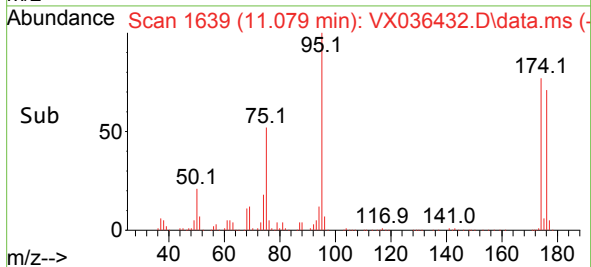
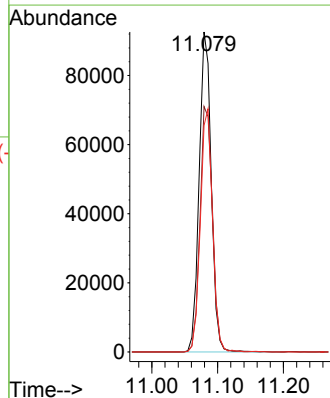
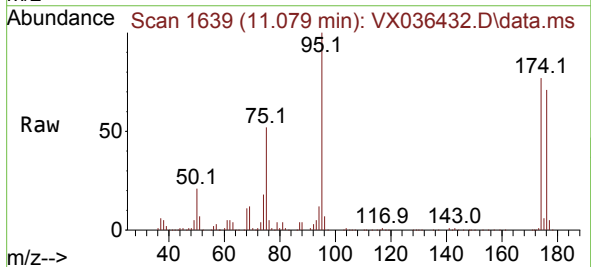
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-04-G

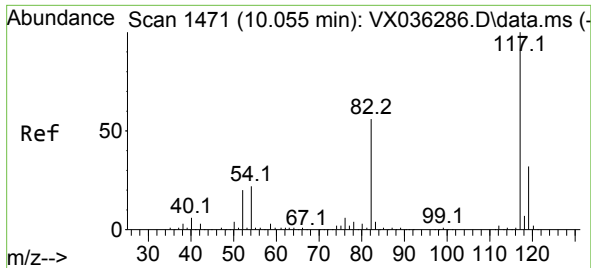
Tgt Ion: 43 Resp: 66793
Ion Ratio Lower Upper
43 100
58 18.4 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 47.732 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 95 Resp: 117950
Ion Ratio Lower Upper
95 100
174 79.3 0.0 135.6
176 76.6 0.0 131.0

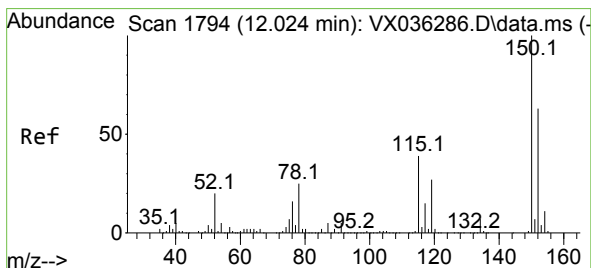
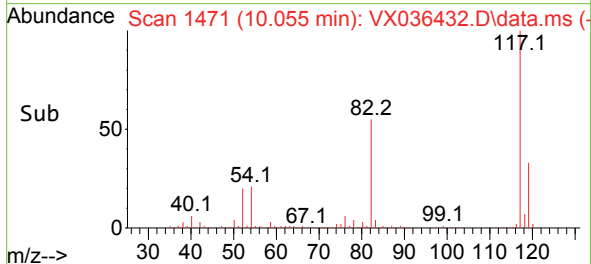
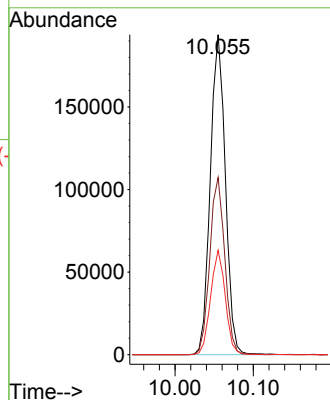
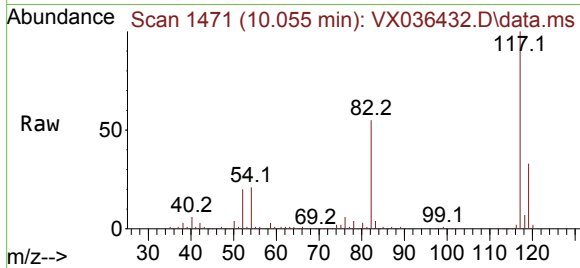




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

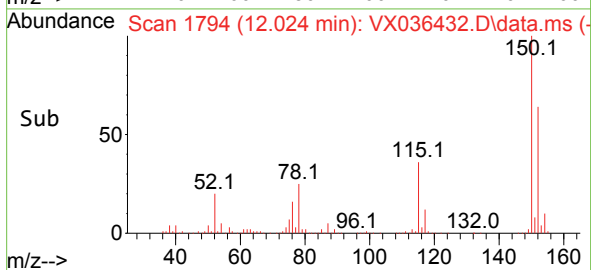
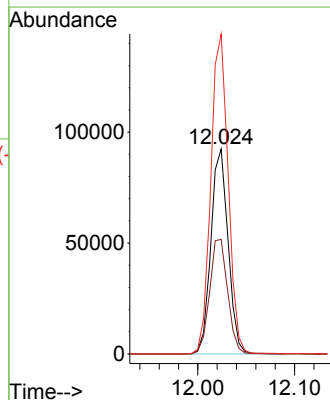
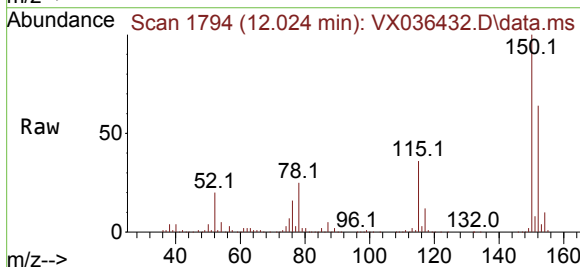
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-04-G

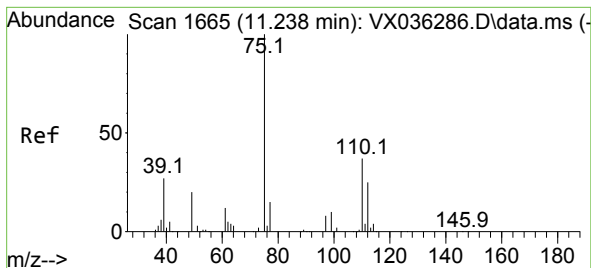
Tgt Ion:117 Resp: 258114
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036432.D
Acq: 06 Jul 2023 13:54

Tgt Ion:152 Resp: 114281
Ion Ratio Lower Upper
152 100
115 58.7 43.3 129.9
150 157.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.464 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036432.D

Acq: 06 Jul 2023 13:54

Instrument :

MSVOA_X

ClientSampleId :

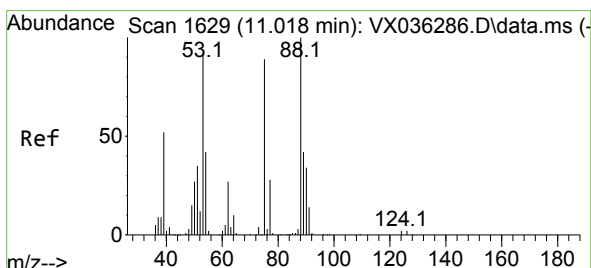
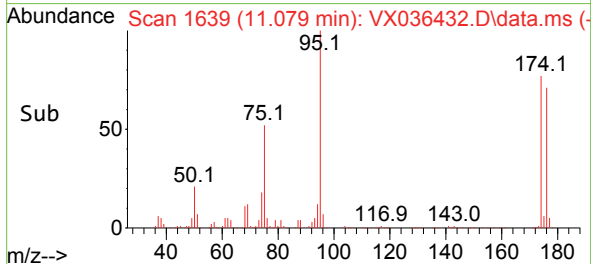
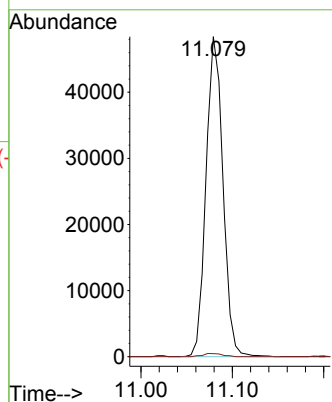
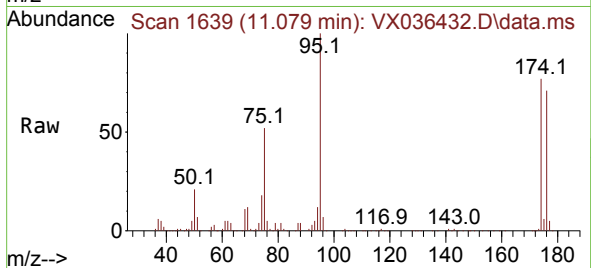
WC-WWS-04-G

Tgt Ion: 75 Resp: 62072

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.006 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036432.D

Acq: 06 Jul 2023 13:54

Tgt Ion: 75 Resp: 62072

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

