

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036433.D
 Acq On : 06 Jul 2023 14:17
 Operator : JC/MD
 Sample : 03509-25
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-05-G

Quant Time: Jul 07 01:47:38 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)

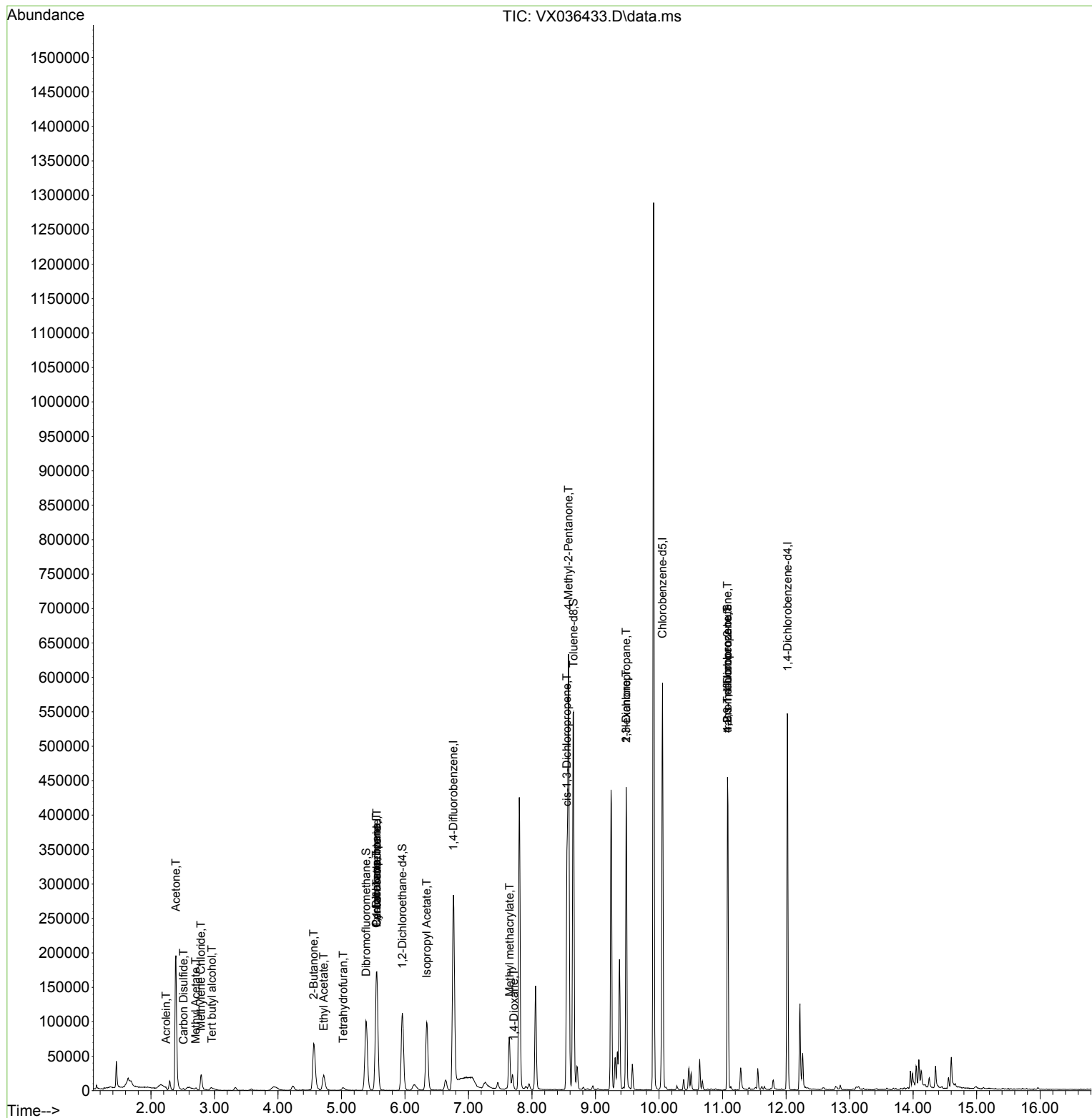
Internal Standards						
1) Pentafluorobenzene	5.556	168	165030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	278935	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	105541	44.615	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.240%		
35) Dibromofluoromethane	5.385	113	87757	47.714	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.420%		
50) Toluene-d8	8.653	98	340126	49.513	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.020%		
62) 4-Bromofluorobenzene	11.079	95	121650	50.276	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.560%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	2862	6.646	ug/l #	80
13) Acrolein	2.239	56	700	1.184	ug/l #	74
16) Acetone	2.392	43	232974	230.412	ug/l	95
17) Carbon Disulfide	2.514	76	2223	0.483	ug/l #	92
18) Methyl Acetate	2.703	43	3632	0.874	ug/l #	89
20) Methylene Chloride	2.788	84	12173	5.591	ug/l #	85
25) 2-Butanone	4.562	43	120414	82.885	ug/l	100
29) Tetrahydrofuran	5.025	42	3580	3.871	ug/l	98
31) Cyclohexane	5.550	56	3526	1.163	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13265	4.838	ug/l #	51
37) Ethyl Acetate	4.721	43	37864	13.551	ug/l	97
38) Carbon Tetrachloride	5.556	117	16829	6.721	ug/l #	16
43) Isopropyl Acetate	6.342	43	136064	30.524	ug/l	98
48) Methyl methacrylate	7.647	41	1751	0.788	ug/l #	1
49) 1,4-Dioxane	7.714	88	23	0.467	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	454164	158.141	ug/l	90
54) cis-1,3-Dichloropropene	8.549	75	51410	16.956	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	3976	1.150	ug/l #	42
59) 2-Hexanone	9.482	43	49678	23.688	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	61292	24.417	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61292	79.593	ug/l #	5

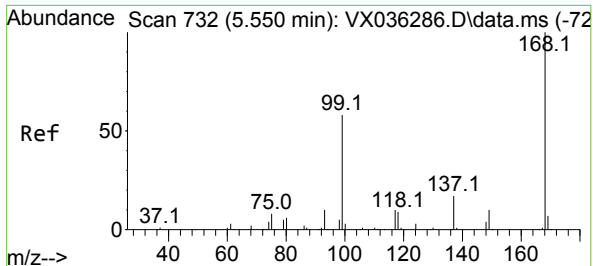
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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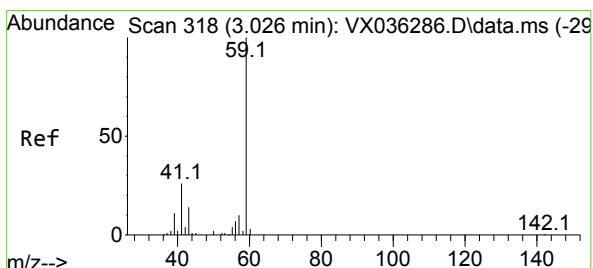
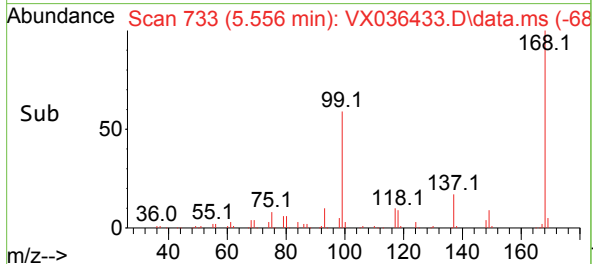
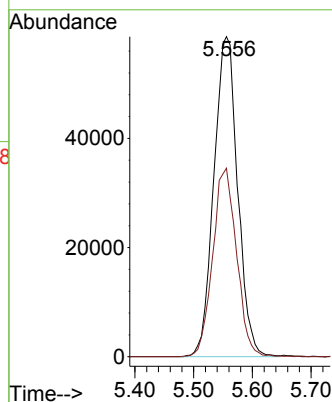
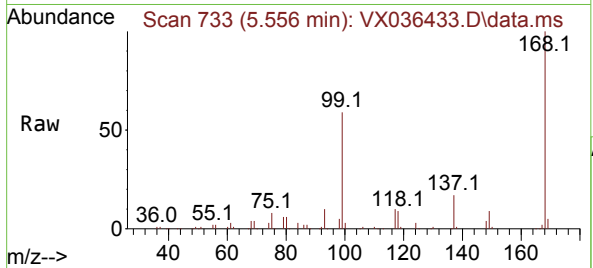




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

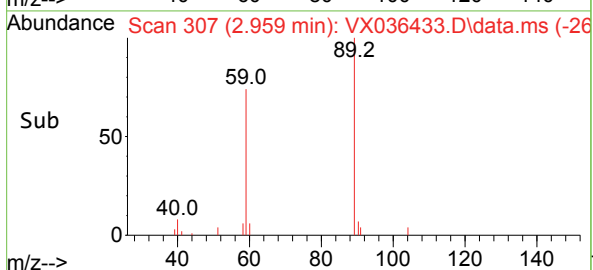
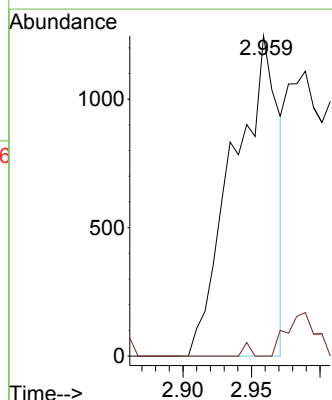
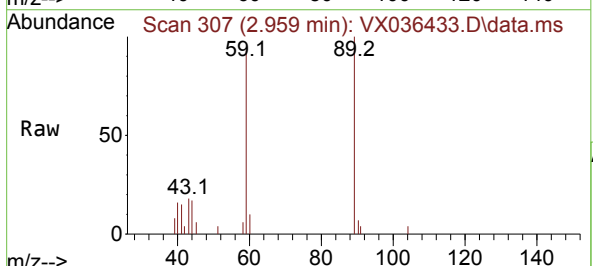
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-05-G

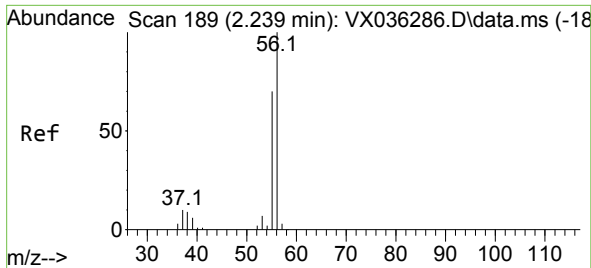
Tgt Ion:168 Resp: 165030
Ion Ratio Lower Upper
168 100
99 58.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 6.646 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.054 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

Tgt Ion: 59 Resp: 2862
Ion Ratio Lower Upper
59 100
57 0.7 6.0 9.0#

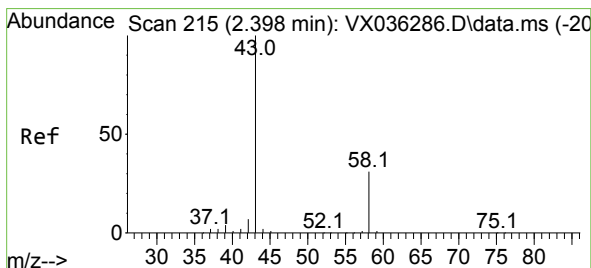
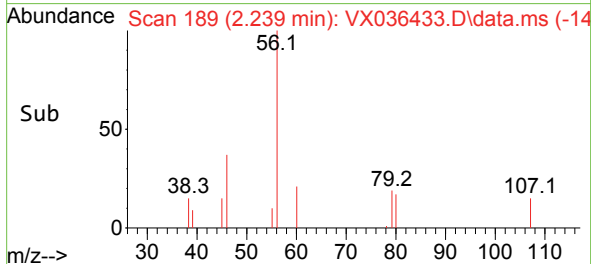
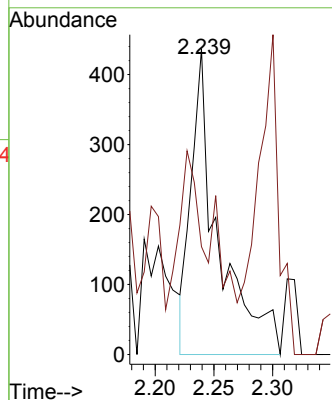
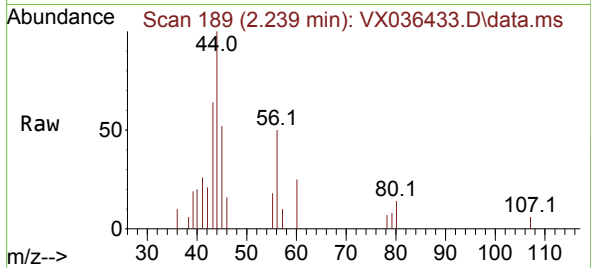




#13
Acrolein
Concen: 1.184 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

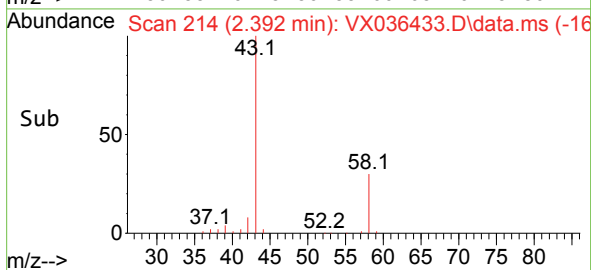
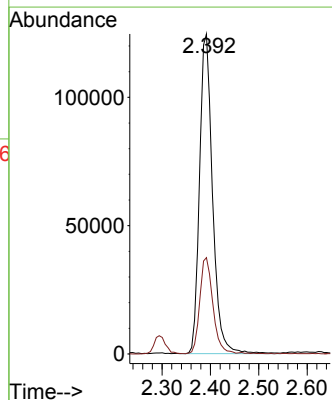
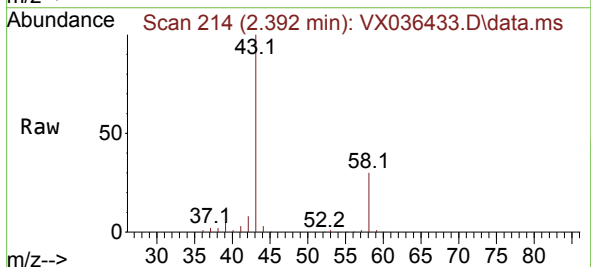
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-05-G

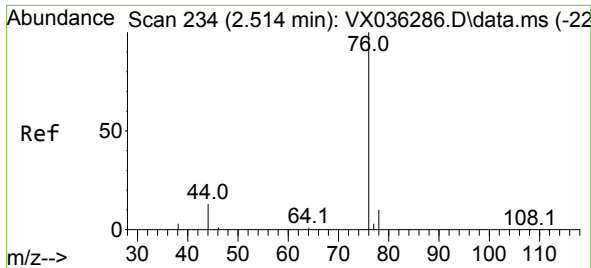
Tgt Ion: 56 Resp: 700
Ion Ratio Lower Upper
56 100
55 49.4 57.1 85.7#



#16
Acetone
Concen: 230.412 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

Tgt Ion: 43 Resp: 232974
Ion Ratio Lower Upper
43 100
58 30.0 21.9 32.9

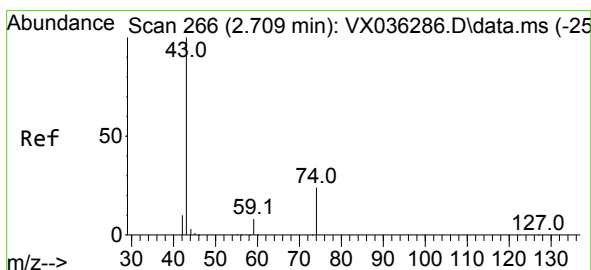
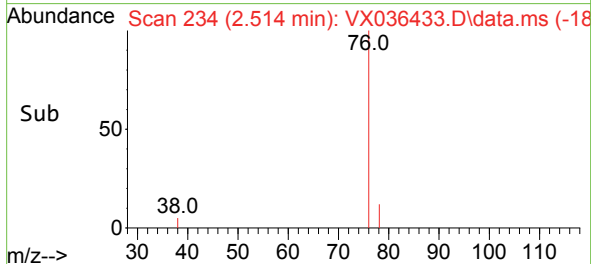
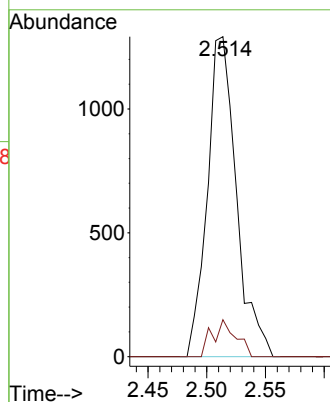
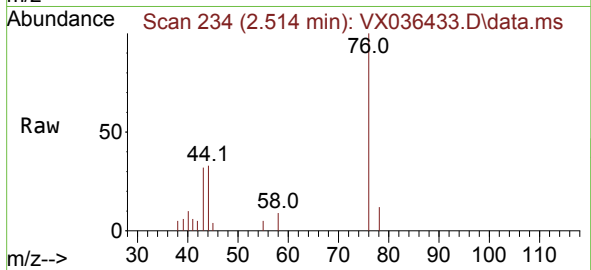




#17
Carbon Disulfide
Concen: 0.483 ug/l
RT: 2.514 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

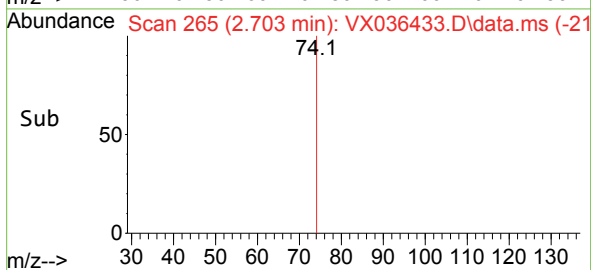
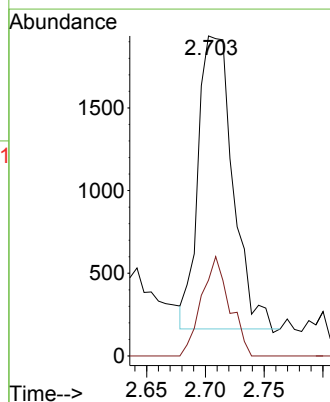
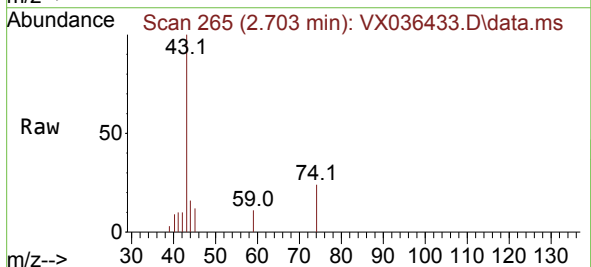
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-05-G

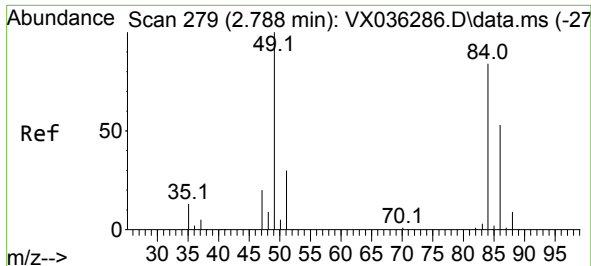
Tgt Ion: 76 Resp: 2223
Ion Ratio Lower Upper
76 100
78 11.5 7.0 10.6#



#18
Methyl Acetate
Concen: 0.874 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

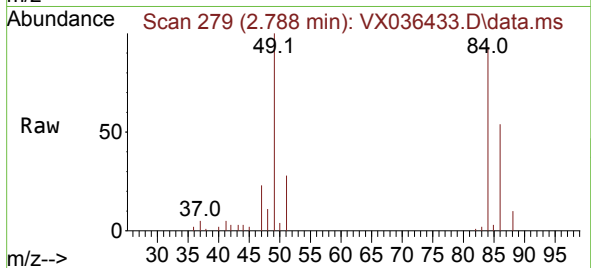
Tgt Ion: 43 Resp: 3632
Ion Ratio Lower Upper
43 100
74 27.5 17.8 26.8#



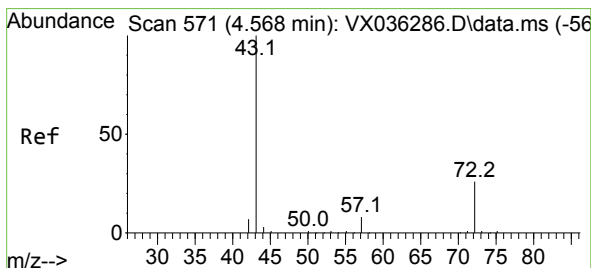
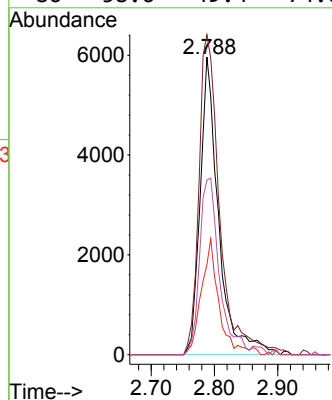


#20
Methylene Chloride
Concen: 5.591 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-05-G

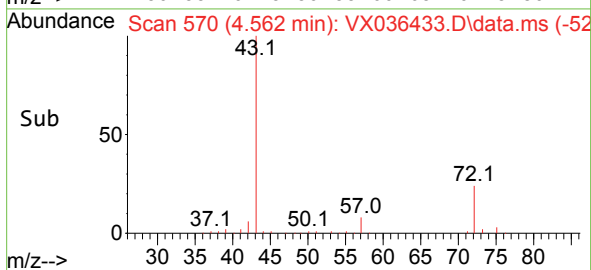
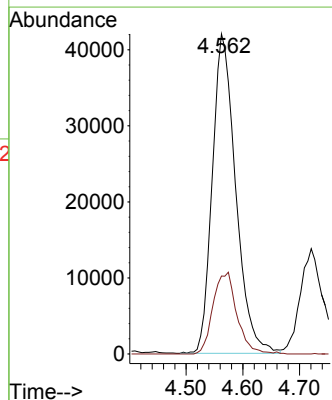
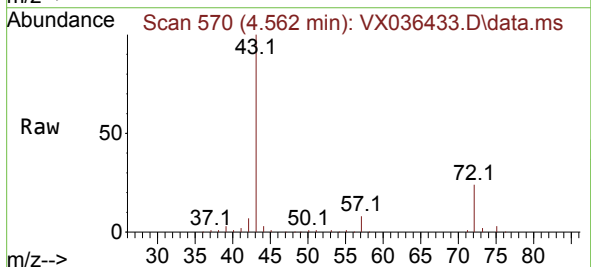


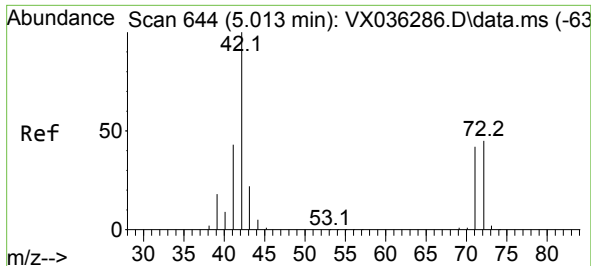
Tgt Ion:	84	Resp:	12173
Ion	Ratio	Lower	Upper
84	100		
49	107.5	103.6	155.4
51	30.3	33.8	50.6#
86	58.6	49.4	74.0



#25
2-Butanone
Concen: 82.885 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

Tgt Ion:	43	Resp:	120414
Ion	Ratio	Lower	Upper
43	100		
72	24.4	19.4	29.2





#29

Tetrahydrofuran

Concen: 3.871 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX036433.D

Acq: 06 Jul 2023 14:17

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-05-G

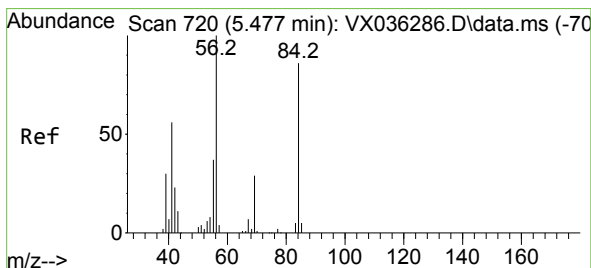
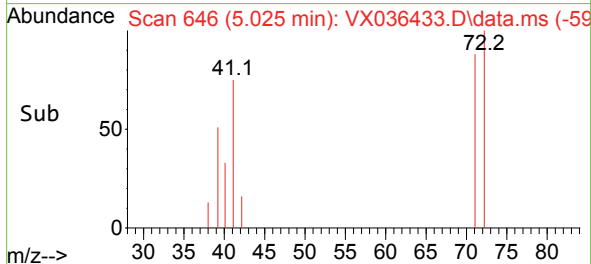
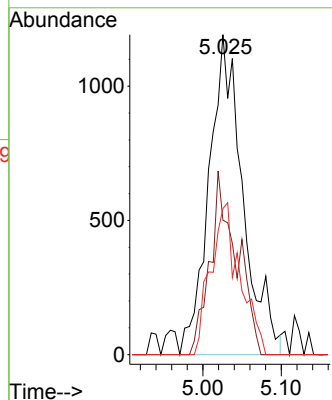
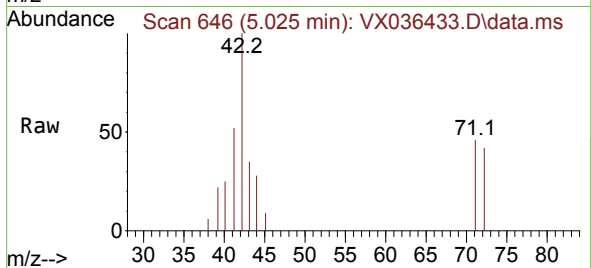
Tgt Ion: 42 Resp: 3580

Ion Ratio Lower Upper

42 100

72 45.1 34.2 51.4

71 41.1 32.2 48.2



#31

Cyclohexane

Concen: 1.163 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036433.D

Acq: 06 Jul 2023 14:17

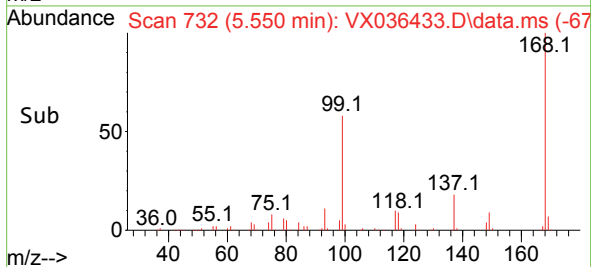
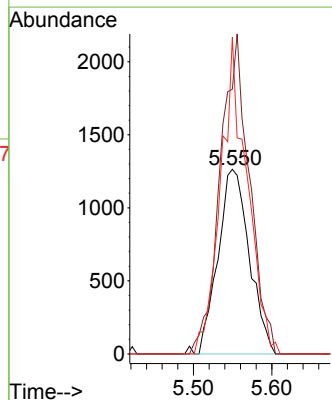
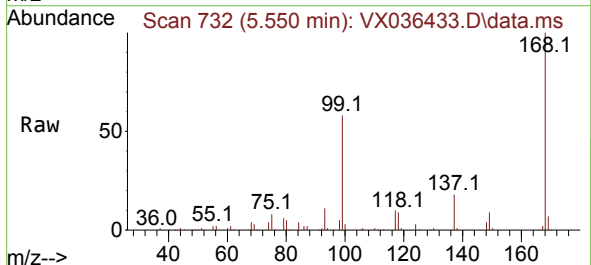
Tgt Ion: 56 Resp: 3526

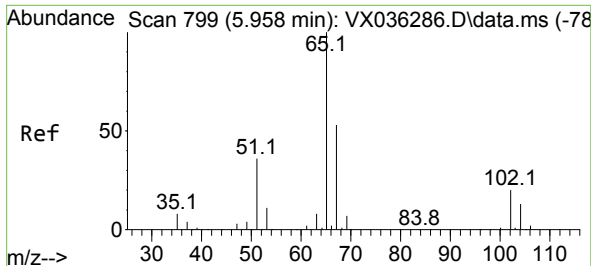
Ion Ratio Lower Upper

56 100

69 143.5 23.4 35.2#

84 171.6 65.9 98.9#

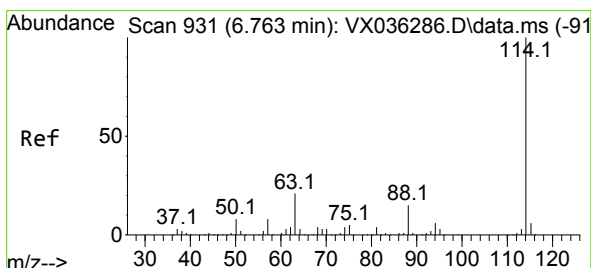
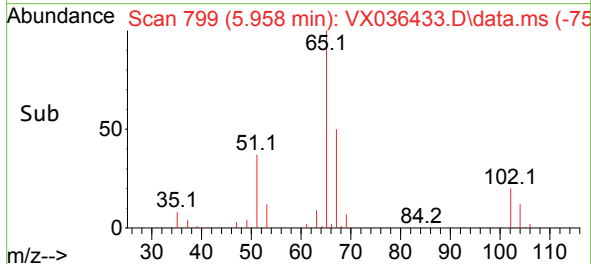
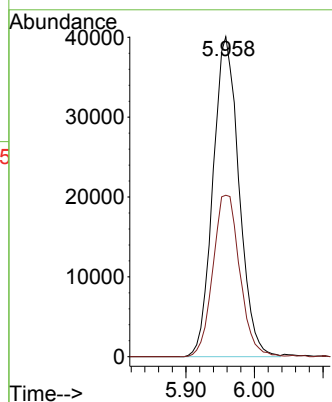
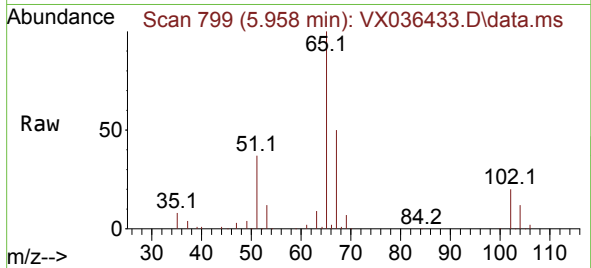




#33
 1,2-Dichloroethane-d4
 Concen: 44.615 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX036433.D
 Acq: 06 Jul 2023 14:17

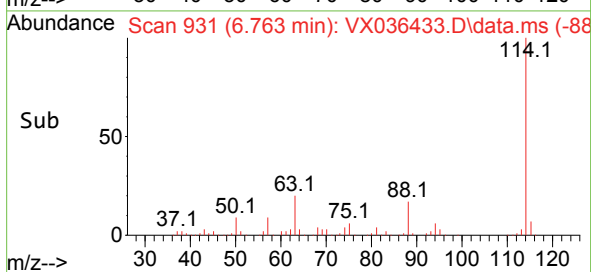
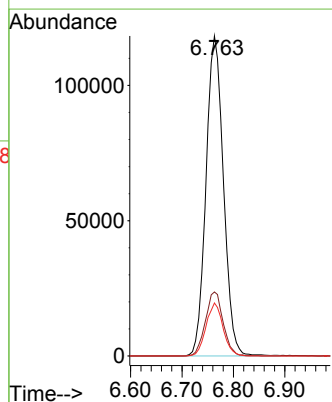
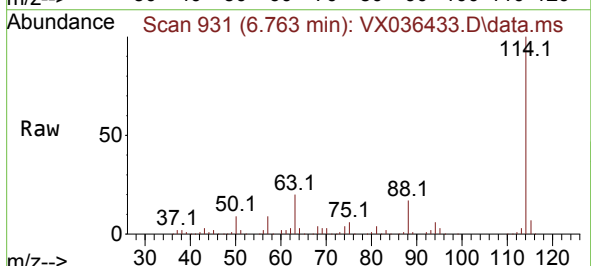
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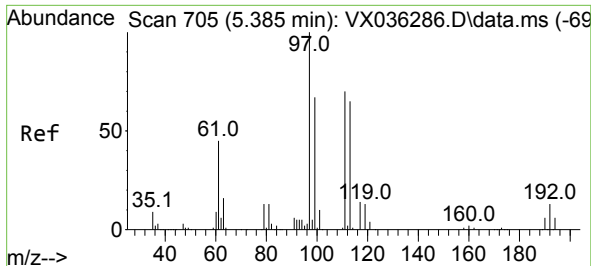
Tgt Ion: 65 Resp: 105541
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036433.D
 Acq: 06 Jul 2023 14:17

Tgt Ion: 114 Resp: 278935
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 45.0
 88 16.5 0.0 36.6

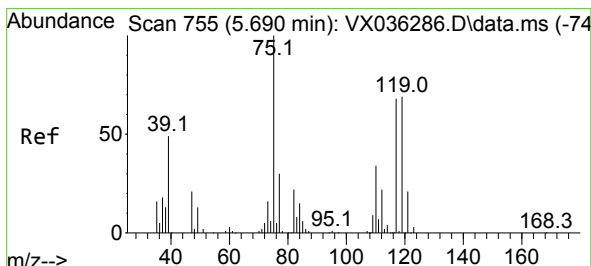
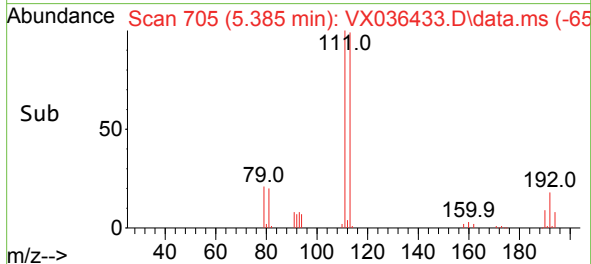
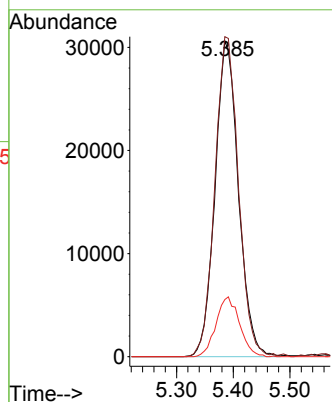
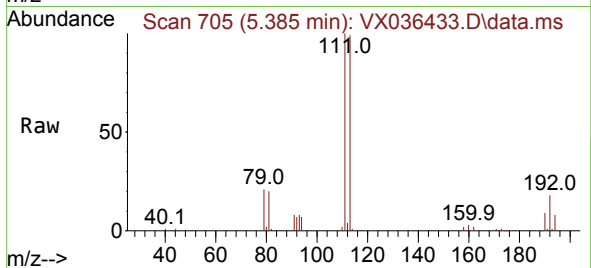




#35
Dibromofluoromethane
Concen: 47.714 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

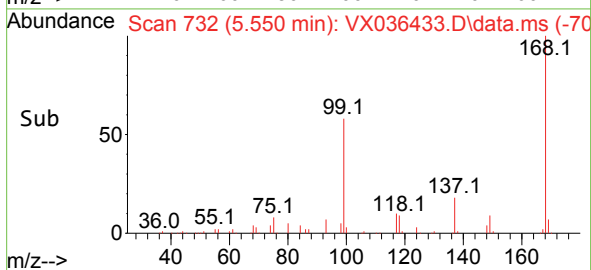
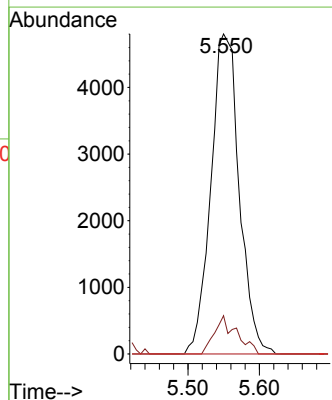
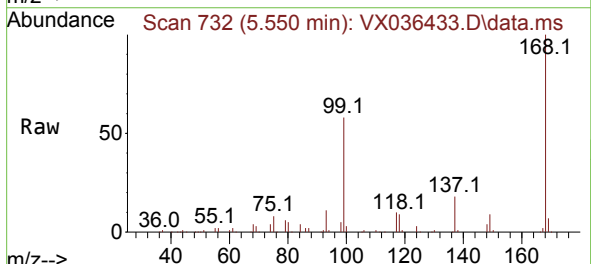
Instrument :
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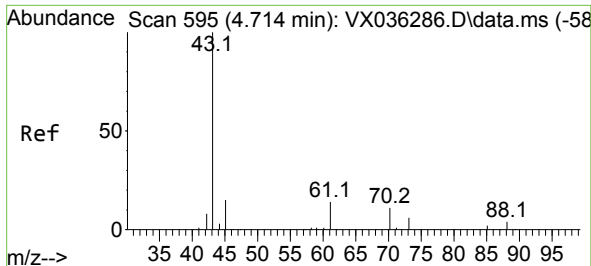
Tgt Ion:113 Resp: 87757
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 19.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.838 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

Tgt Ion: 75 Resp: 13265
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 13.551 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.007 min

Lab File: VX036433.D

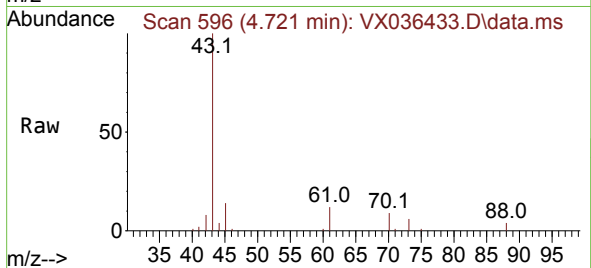
Acq: 06 Jul 2023 14:17

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-05-G



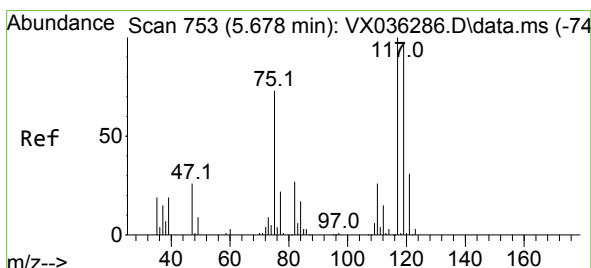
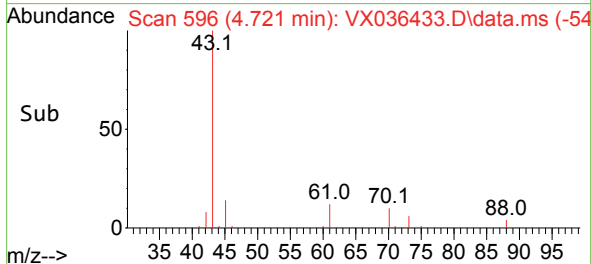
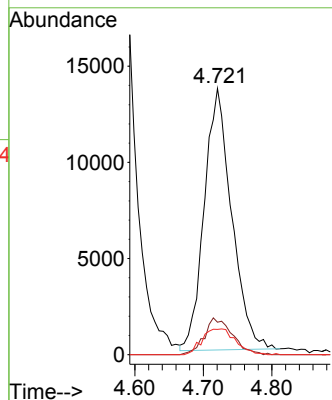
Tgt Ion: 43 Resp: 37864

Ion Ratio Lower Upper

43 100

61 14.4 10.6 16.0

70 12.0 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.721 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX036433.D

Acq: 06 Jul 2023 14:17

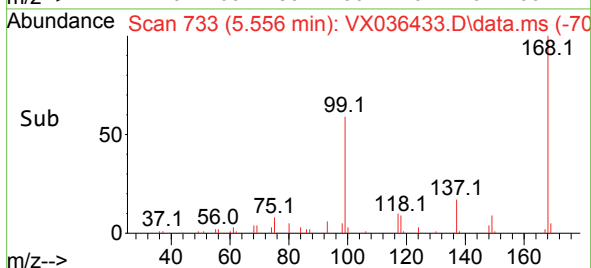
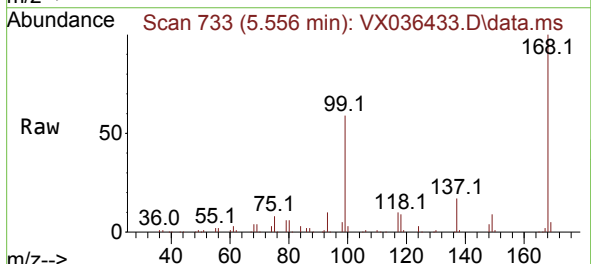
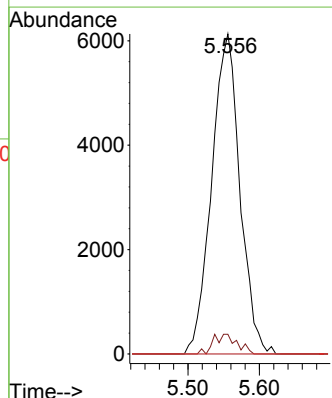
Tgt Ion: 117 Resp: 16829

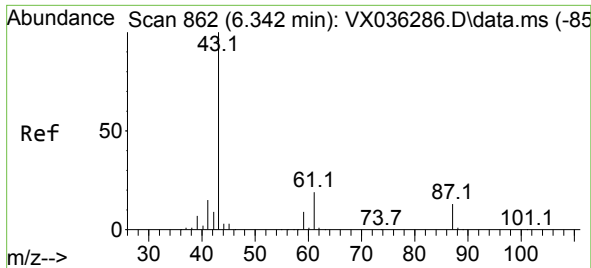
Ion Ratio Lower Upper

117 100

119 6.2 78.2 117.2#

121 0.0 24.4 36.6#

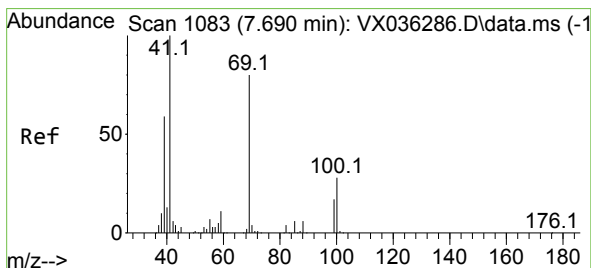
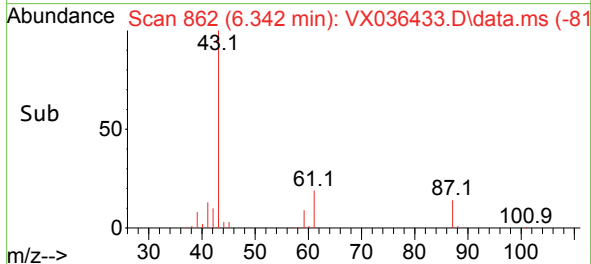
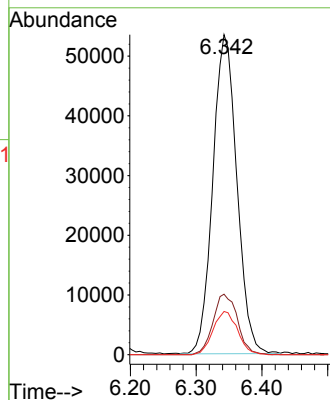
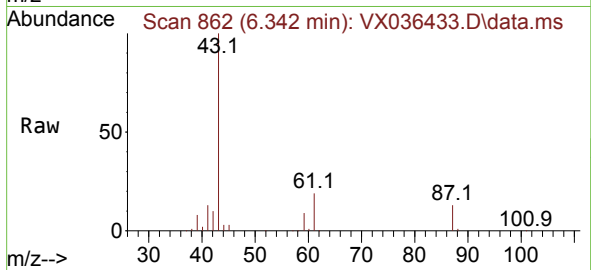




#43
Isopropyl Acetate
Concen: 30.524 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

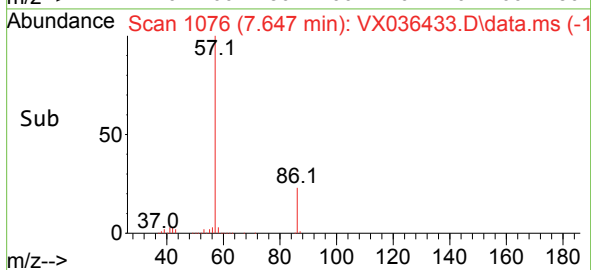
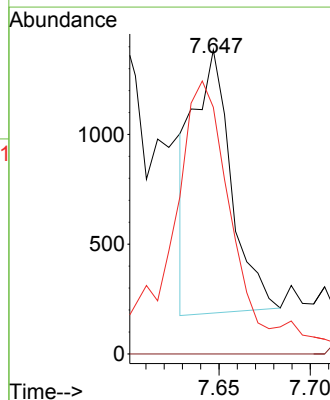
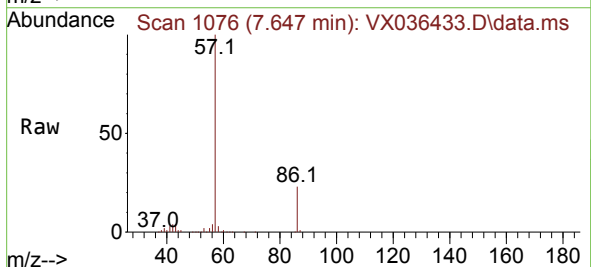
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-05-G

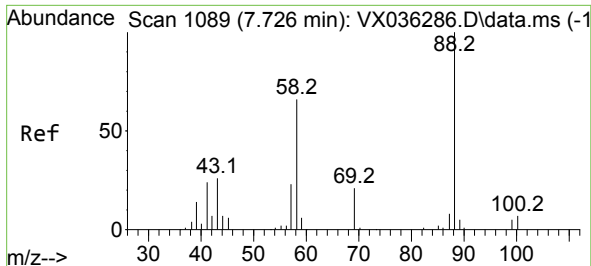
Tgt Ion: 43 Resp: 136064
Ion Ratio Lower Upper
43 100
61 19.2 15.2 22.8
87 13.8 9.8 14.6



#48
Methyl methacrylate
Concen: 0.788 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.042 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

Tgt Ion: 41 Resp: 1751
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 179.0 47.7 71.5#

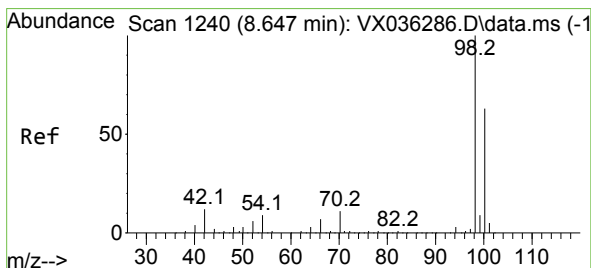
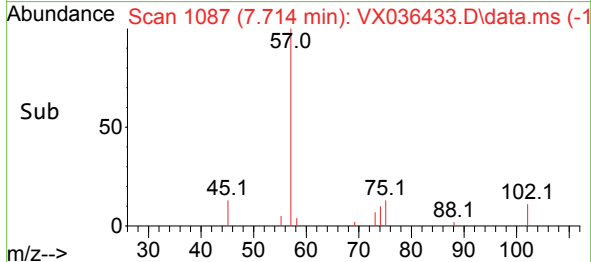
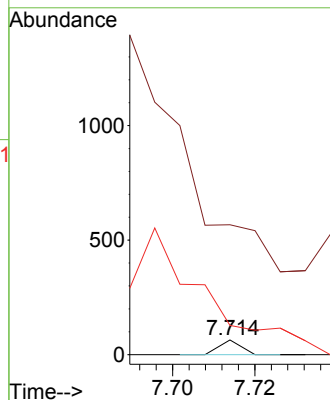
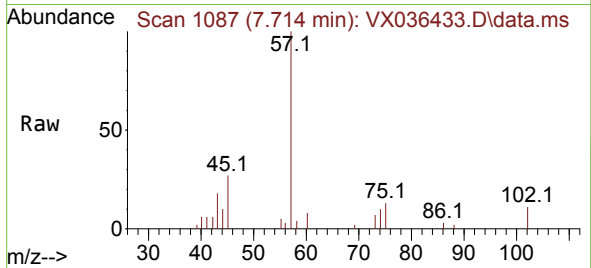




#49
1,4-Dioxane
Concen: 0.467 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. -0.018 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

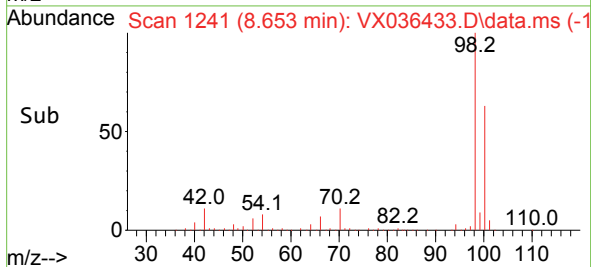
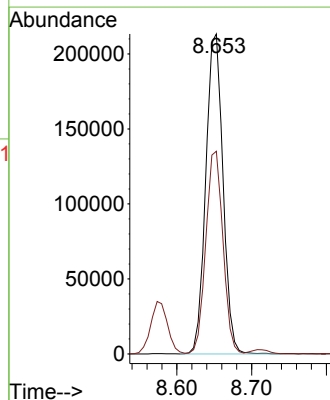
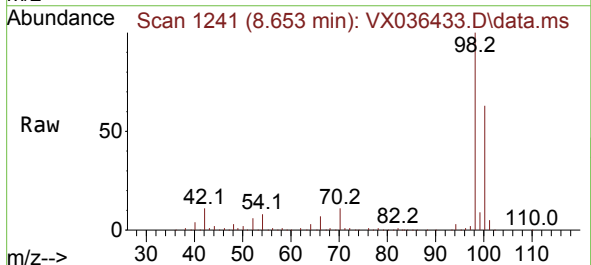
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-05-G

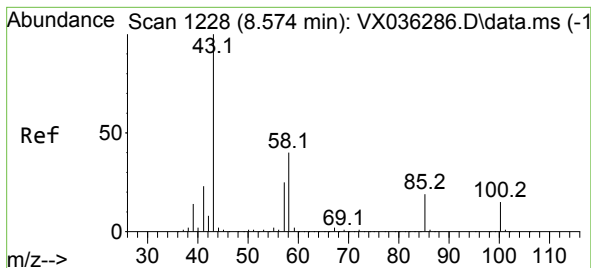
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 4126.1 60.1 90.1#



#50
Toluene-d8
Concen: 49.513 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

Tgt Ion: 98 Resp: 340126
Ion Ratio Lower Upper
98 100
100 63.3 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 158.141 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.001 min

Lab File: VX036433.D

Acq: 06 Jul 2023 14:17

Instrument :

MSVOA_X

ClientSampleId :

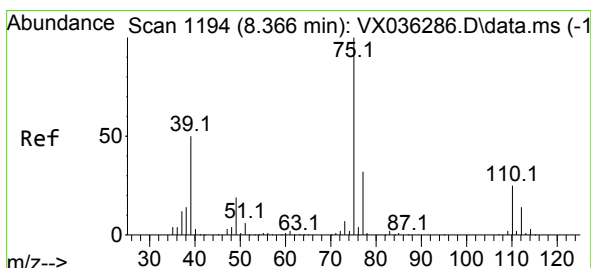
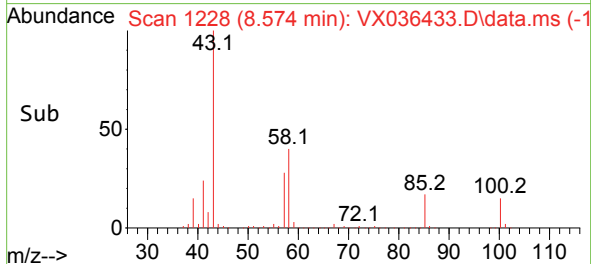
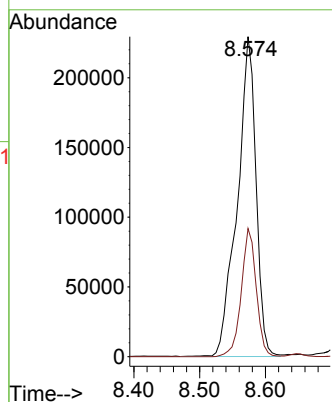
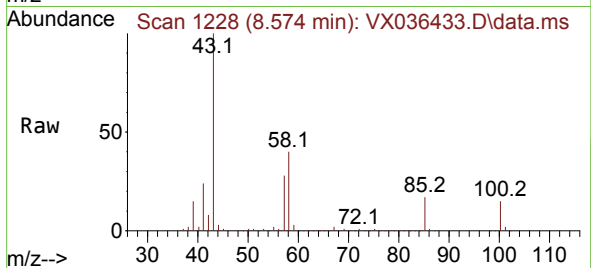
WC-WWS-05-G

Tgt Ion: 43 Resp: 454164

Ion Ratio Lower Upper

43 100

58 32.0 30.4 45.6



#54

cis-1,3-Dichloropropene

Concen: 16.956 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX036433.D

Acq: 06 Jul 2023 14:17

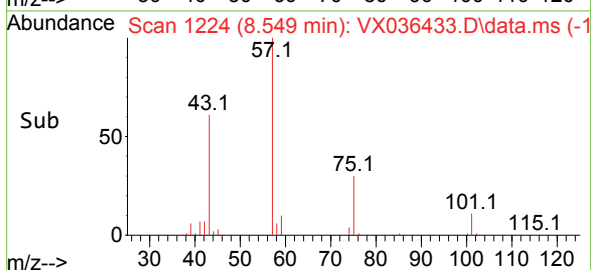
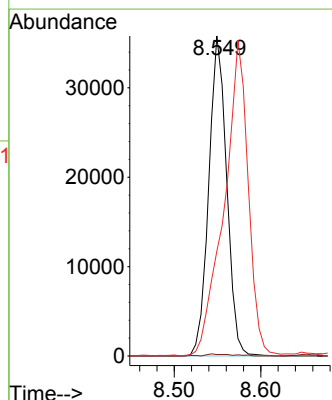
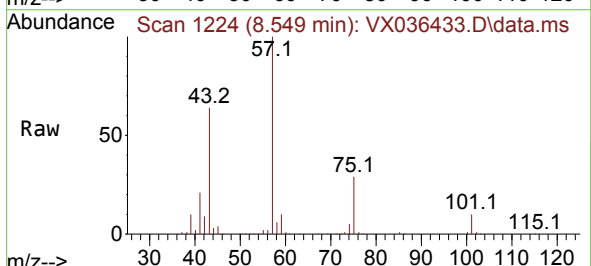
Tgt Ion: 75 Resp: 51410

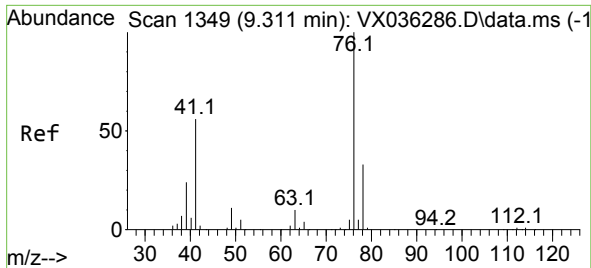
Ion Ratio Lower Upper

75 100

77 0.4 25.3 37.9#

39 32.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.150 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036433.D

Acq: 06 Jul 2023 14:17

Instrument :

MSVOA_X

ClientSampleId :

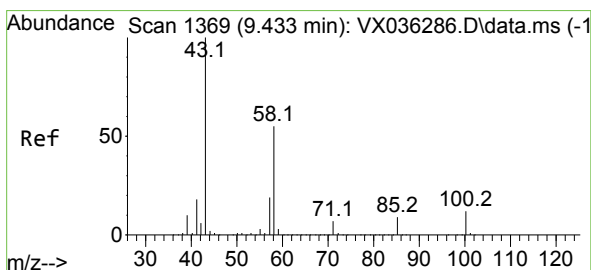
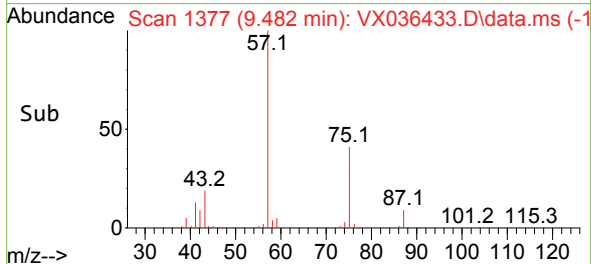
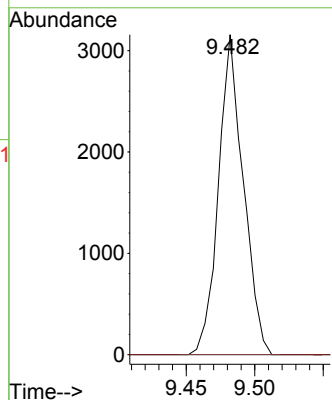
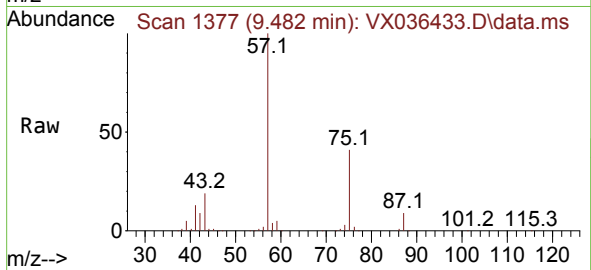
WC-WWS-05-G

Tgt Ion: 76 Resp: 3976

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 23.688 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036433.D

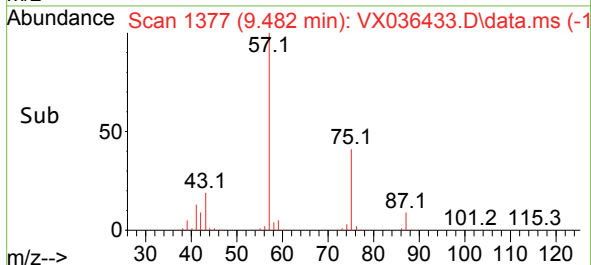
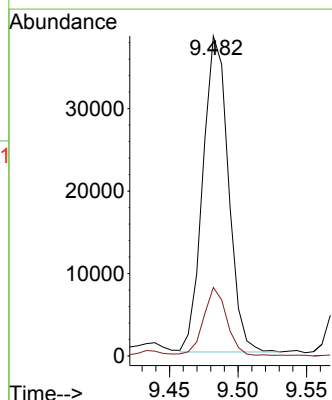
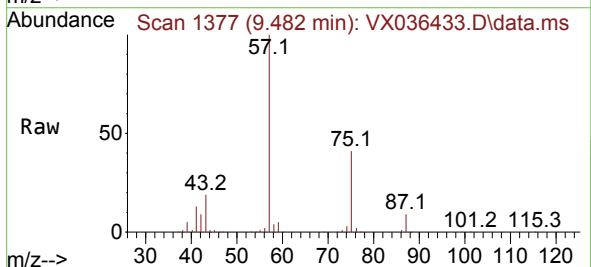
Acq: 06 Jul 2023 14:17

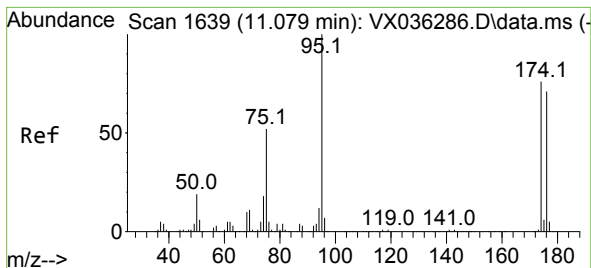
Tgt Ion: 43 Resp: 49678

Ion Ratio Lower Upper

43 100

58 20.3 26.2 78.5#

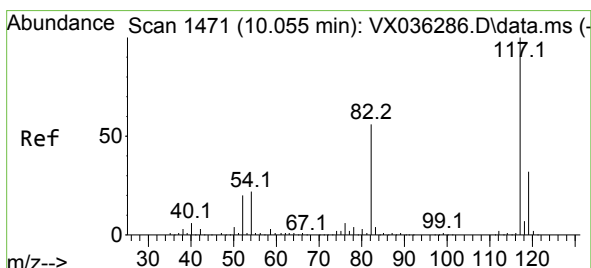
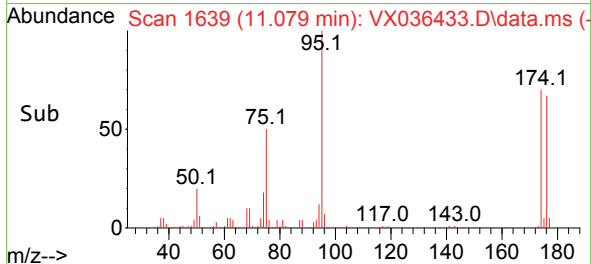
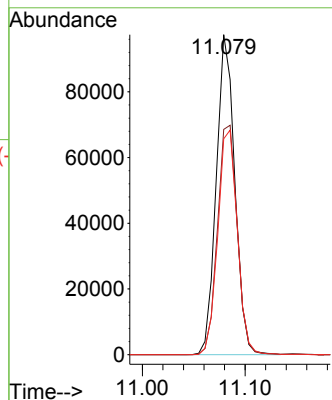
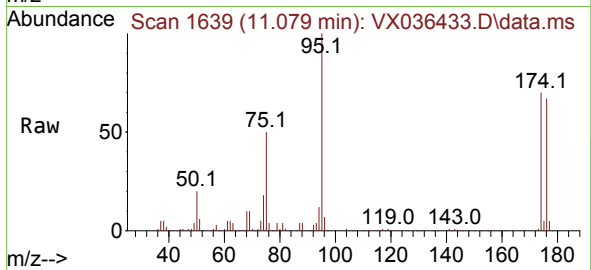




#62
4-Bromofluorobenzene
Concen: 50.276 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

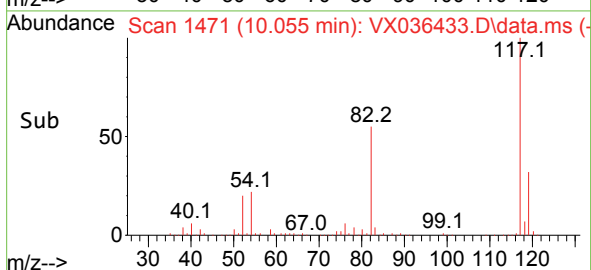
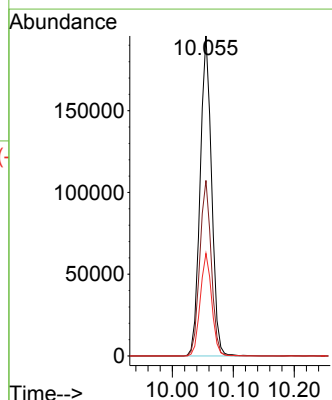
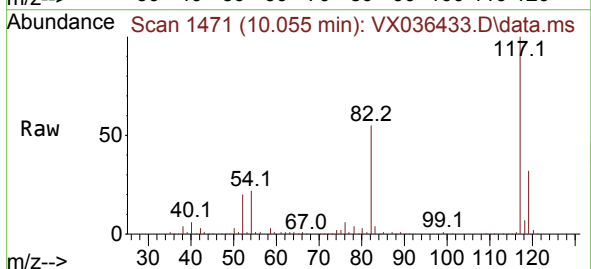
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-05-G

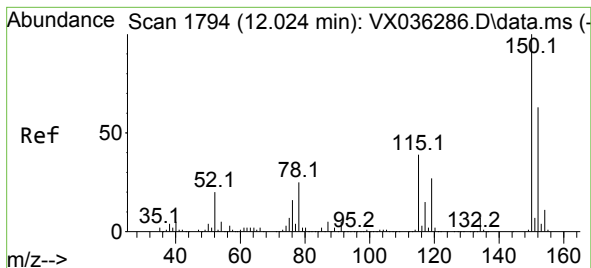
Tgt Ion: 95 Resp: 121650
Ion Ratio Lower Upper
95 100
174 76.5 0.0 135.6
176 74.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036433.D
Acq: 06 Jul 2023 14:17

Tgt Ion: 117 Resp: 255914
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 32.1 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: VX036433.D

Acq: 06 Jul 2023 14:17

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-05-G

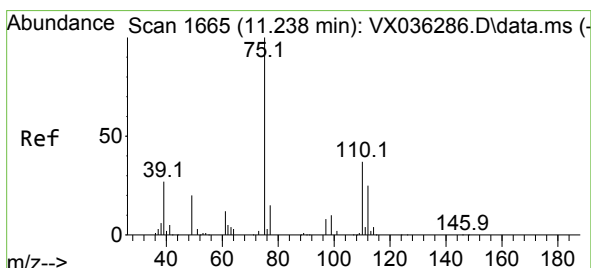
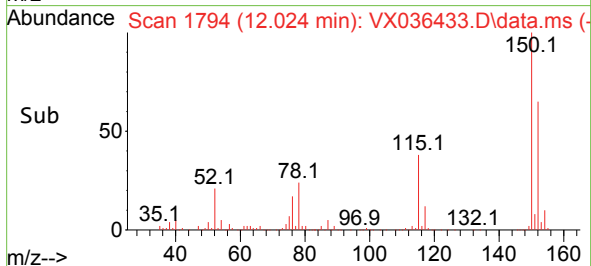
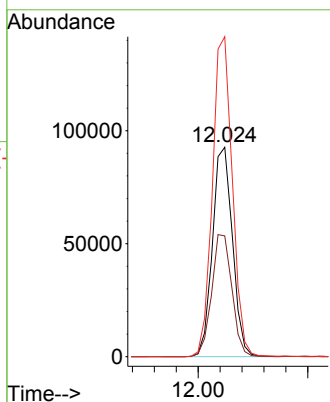
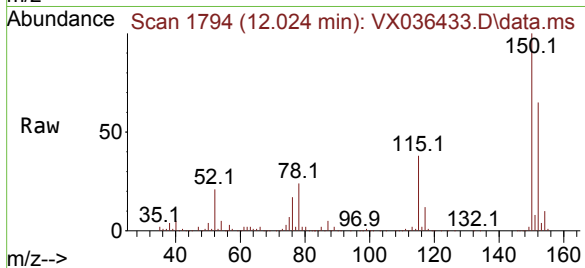
Tgt Ion:152 Resp: 117684

Ion Ratio Lower Upper

152 100

115 58.9 43.3 129.9

150 152.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.417 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036433.D

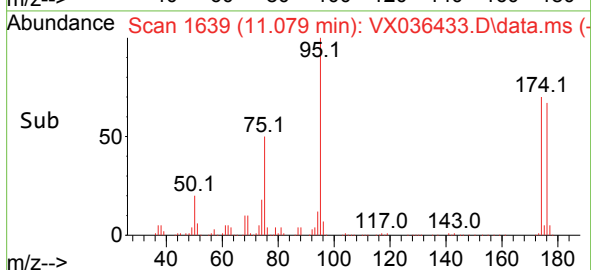
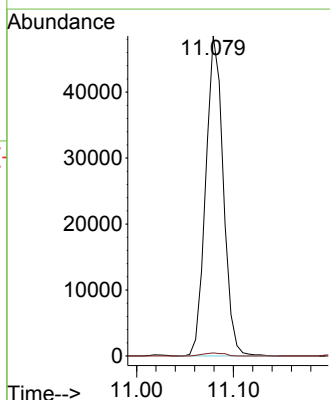
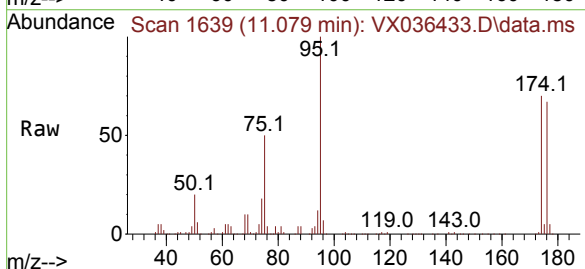
Acq: 06 Jul 2023 14:17

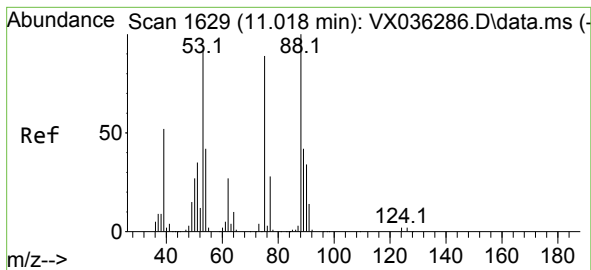
Tgt Ion: 75 Resp: 61292

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.593 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036433.D
 Acq: 06 Jul 2023 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-05-G

Tgt Ion: 75 Resp: 61292
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

