

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
 Data File : VX036488.D
 Acq On : 10 Jul 2023 17:19
 Operator : JC/MD
 Sample : 03541-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-09-G

Quant Time: Jul 11 01:31:38 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)

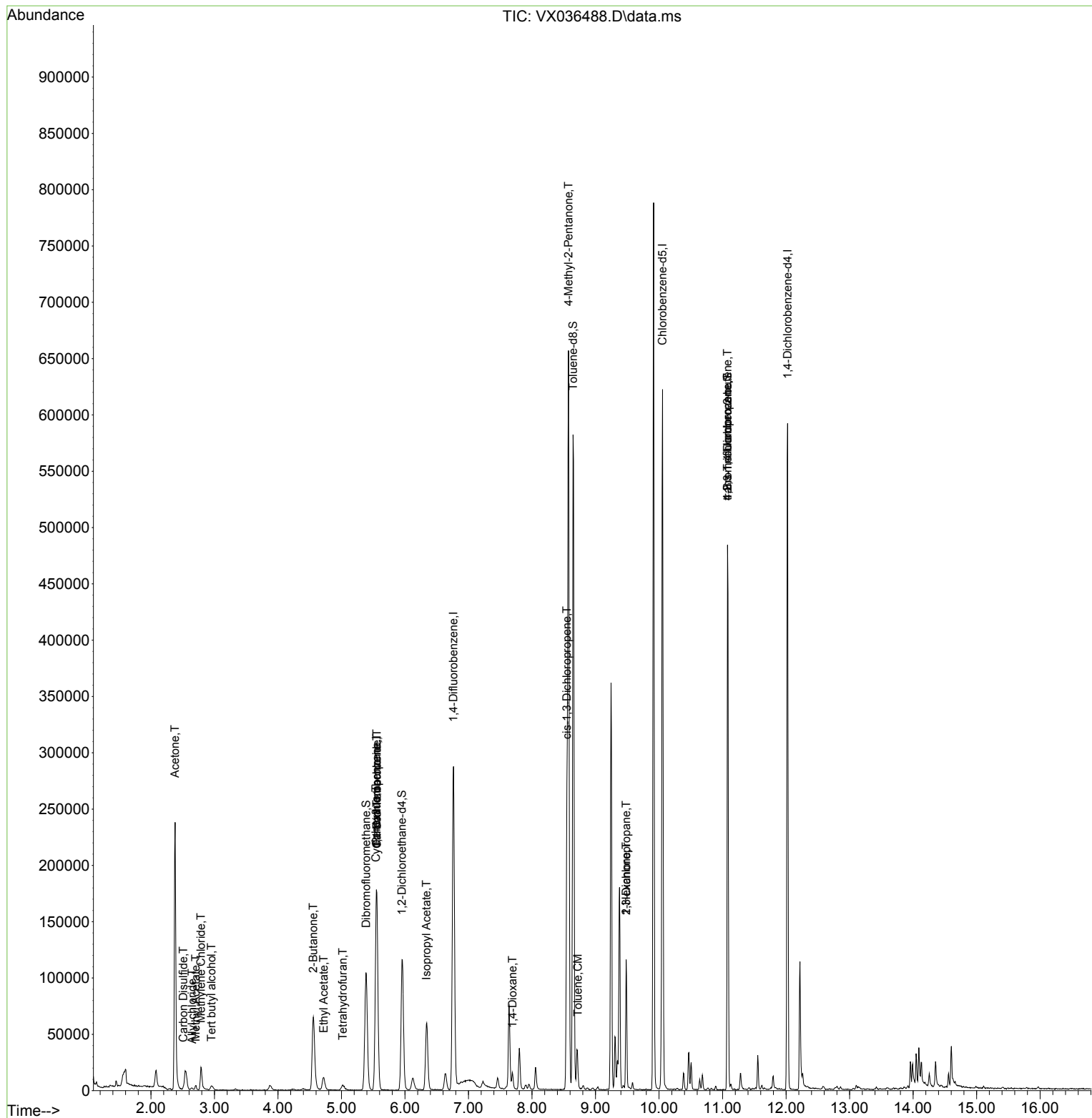
Internal Standards						
1) Pentafluorobenzene	5.550	168	167709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	288700	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	267018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	112356	46.737	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.480%		
35) Dibromofluoromethane	5.385	113	90027	47.293	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.580%		
50) Toluene-d8	8.647	98	357781	50.321	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.640%		
62) 4-Bromofluorobenzene	11.079	95	124964	49.898	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.800%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	4989	11.401	ug/l #	93
14) Allyl chloride	2.648	41	1897	0.612	ug/l #	49
16) Acetone	2.379	43	248589	241.928	ug/l	94
17) Carbon Disulfide	2.507	76	2364	0.505	ug/l #	90
18) Methyl Acetate	2.703	43	4573	1.082	ug/l	96
20) Methylene Chloride	2.788	84	10158	4.591	ug/l	95
25) 2-Butanone	4.556	43	114996	77.892	ug/l	95
29) Tetrahydrofuran	5.019	42	4032	4.290	ug/l #	87
31) Cyclohexane	5.544	56	3719	1.207	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13058	4.602	ug/l #	51
37) Ethyl Acetate	4.721	43	20788	7.188	ug/l	98
38) Carbon Tetrachloride	5.556	117	17421	6.722	ug/l #	15
43) Isopropyl Acetate	6.336	43	81848	17.740	ug/l	97
49) 1,4-Dioxane	7.689	88	41	0.804	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	442818	148.975	ug/l	92
52) Toluene	8.720	92	2046	0.407	ug/l	93
54) cis-1,3-Dichloropropene	8.549	75	38243	12.187	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	938	0.262	ug/l #	42
59) 2-Hexanone	9.482	43	13070	6.021	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	65270	25.185	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	65270	82.096	ug/l #	5

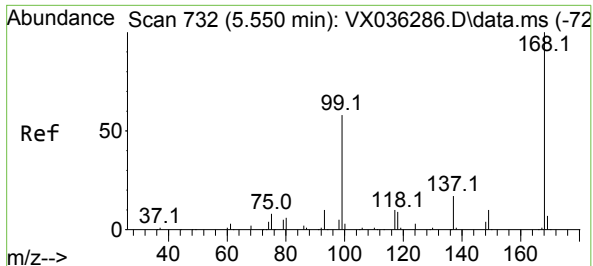
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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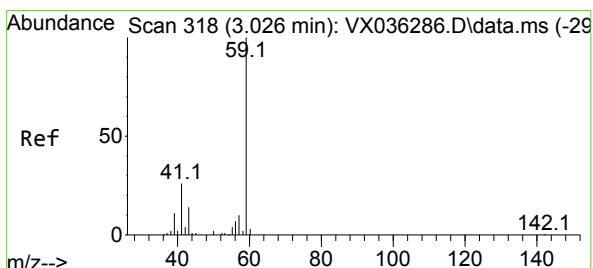
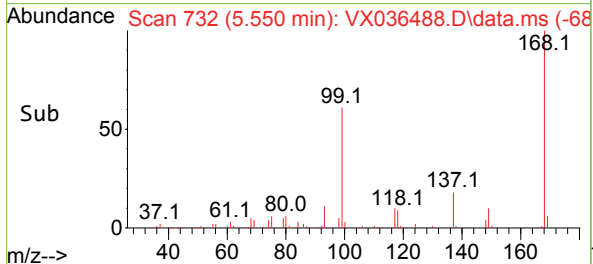
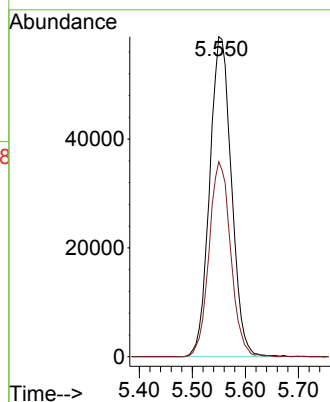
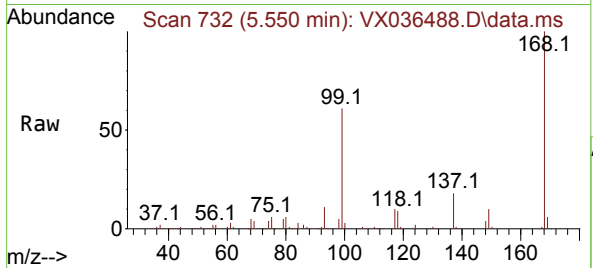




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

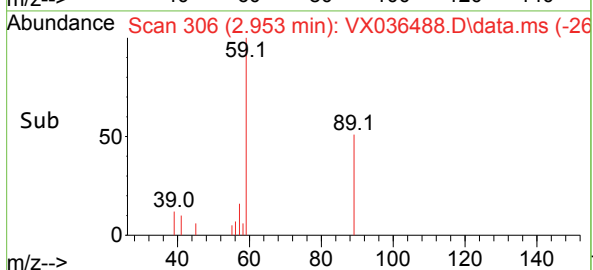
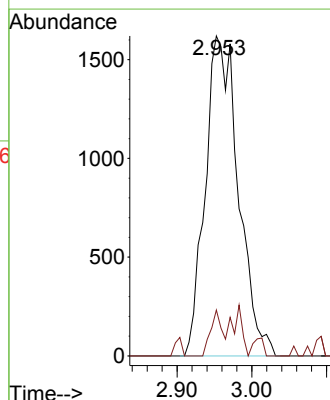
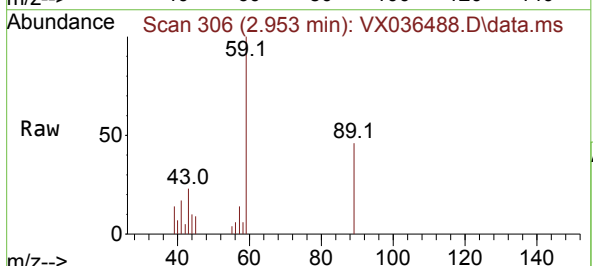
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-09-G

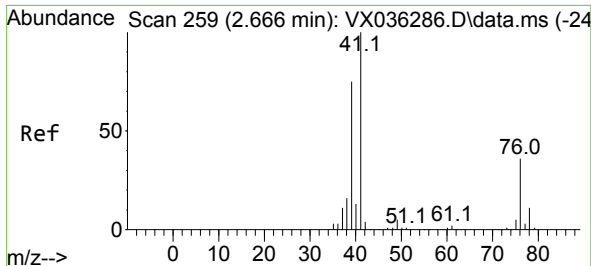
Tgt Ion:168 Resp: 167709
Ion Ratio Lower Upper
168 100
99 60.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 11.401 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.060 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

Tgt Ion: 59 Resp: 4989
Ion Ratio Lower Upper
59 100
57 5.0 6.0 9.0#

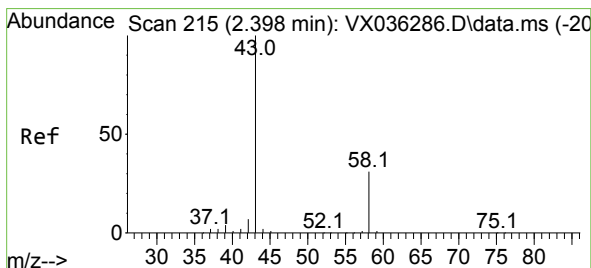
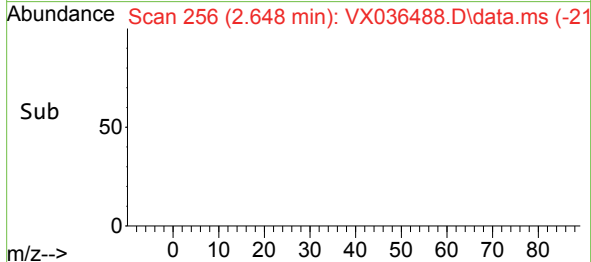
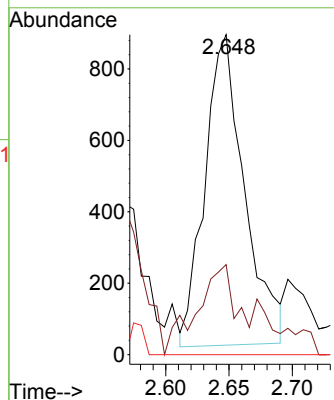
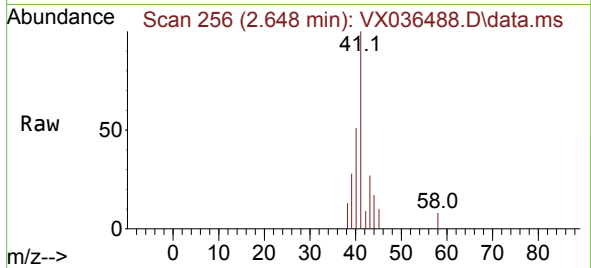




#14
 Allyl chloride
 Concen: 0.612 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.018 min
 Lab File: VX036488.D
 Acq: 10 Jul 2023 17:19

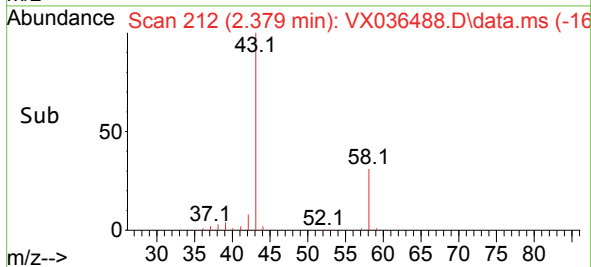
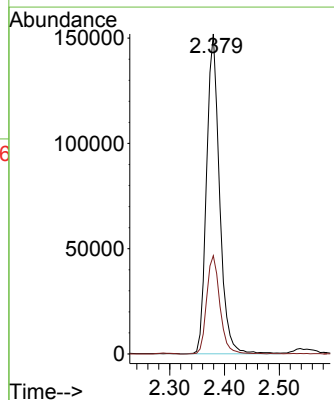
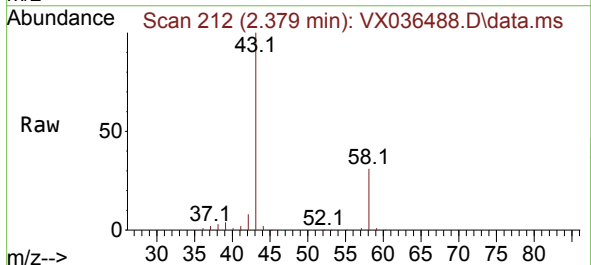
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-09-G

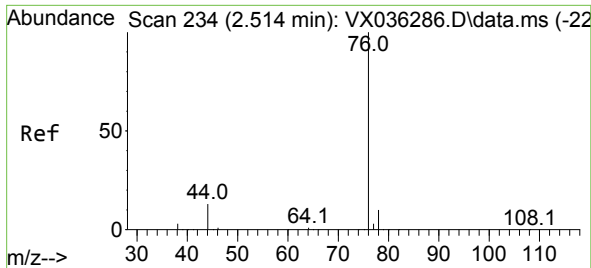
Tgt Ion: 41 Resp: 1897
 Ion Ratio Lower Upper
 41 100
 39 29.1 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 241.928 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.025 min
 Lab File: VX036488.D
 Acq: 10 Jul 2023 17:19

Tgt Ion: 43 Resp: 248589
 Ion Ratio Lower Upper
 43 100
 58 30.7 21.9 32.9





#17

Carbon Disulfide

Concen: 0.505 ug/l

RT: 2.507 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX036488.D

Acq: 10 Jul 2023 17:19

Instrument :

MSVOA_X

ClientSampleId :

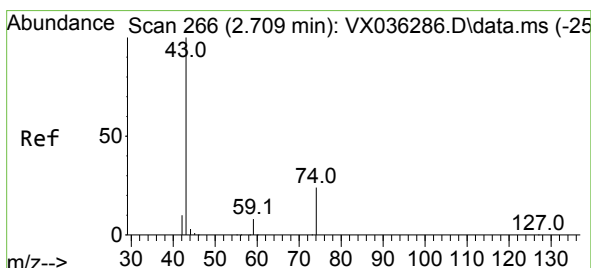
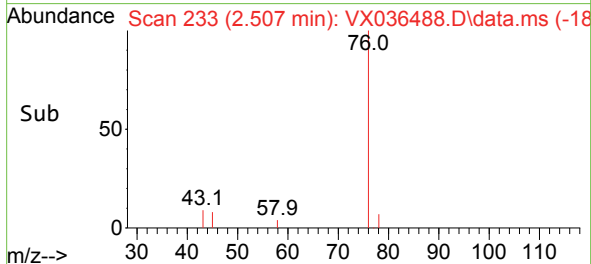
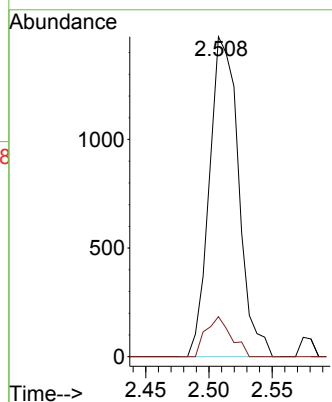
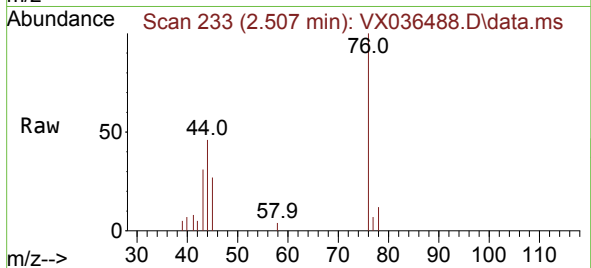
WC-WWS-09-G

Tgt Ion: 76 Resp: 2364

Ion Ratio Lower Upper

76 100

78 12.5 7.0 10.6#



#18

Methyl Acetate

Concen: 1.082 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.006 min

Lab File: VX036488.D

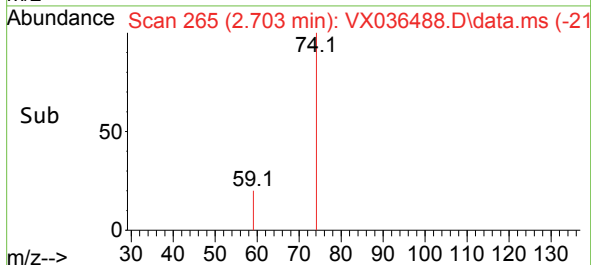
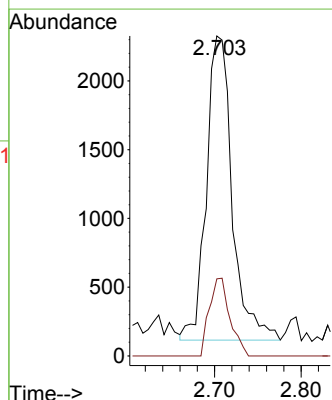
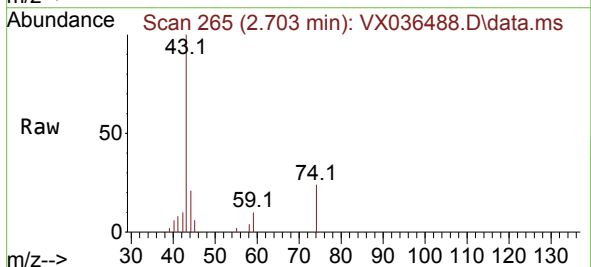
Acq: 10 Jul 2023 17:19

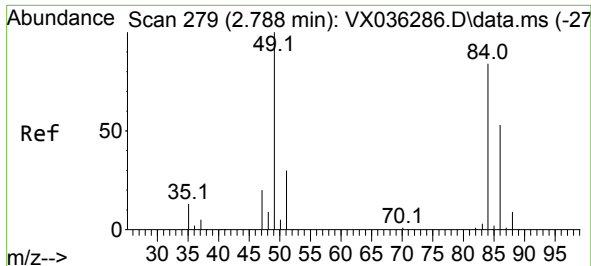
Tgt Ion: 43 Resp: 4573

Ion Ratio Lower Upper

43 100

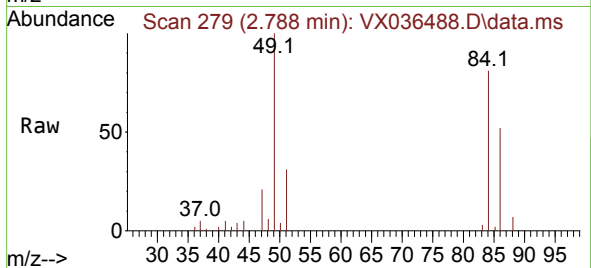
74 20.3 17.8 26.8



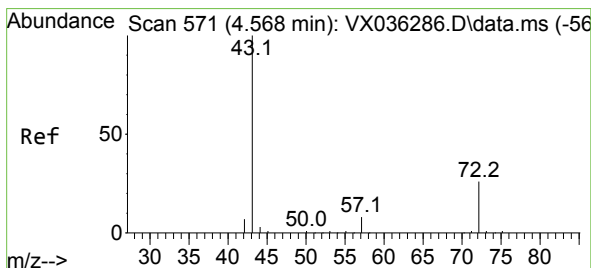
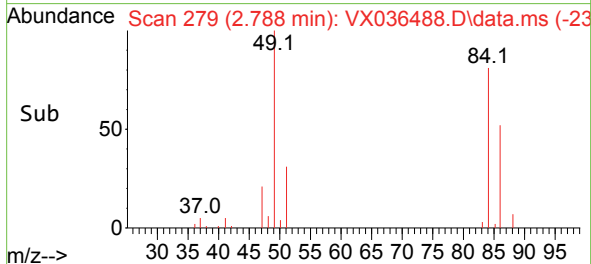
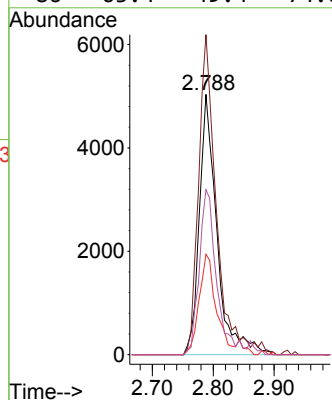


#20
Methylene Chloride
Concen: 4.591 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-09-G

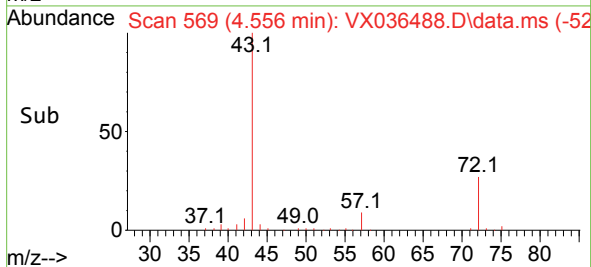
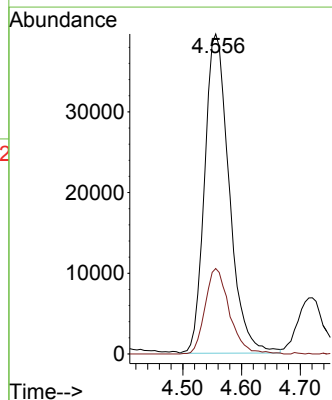
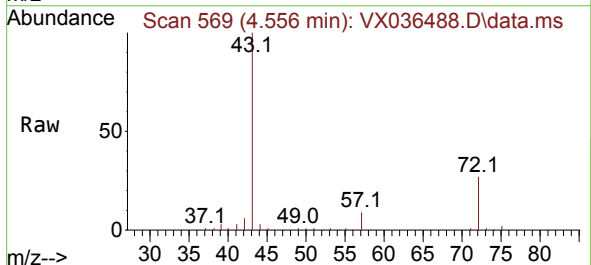


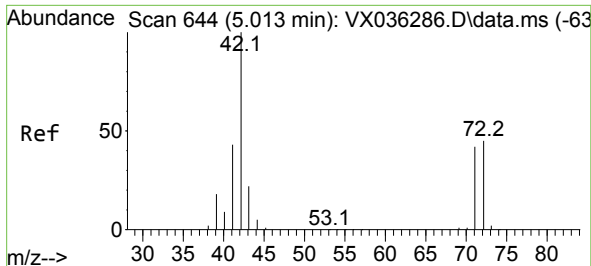
Tgt Ion:	84	Resp:	10158
Ion	Ratio	Lower	Upper
84	100		
49	122.9	103.6	155.4
51	38.5	33.8	50.6
86	63.4	49.4	74.0



#25
2-Butanone
Concen: 77.892 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.012 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

Tgt Ion:	43	Resp:	114996
Ion	Ratio	Lower	Upper
43	100		
72	26.8	19.4	29.2





#29

Tetrahydrofuran

Concen: 4.290 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX036488.D

Acq: 10 Jul 2023 17:19

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-09-G

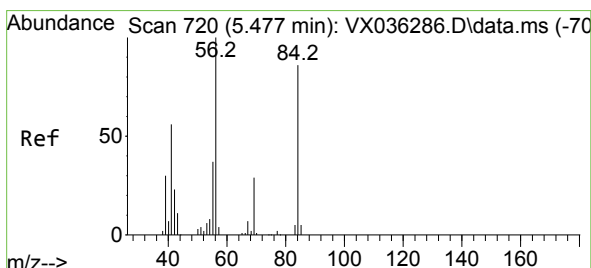
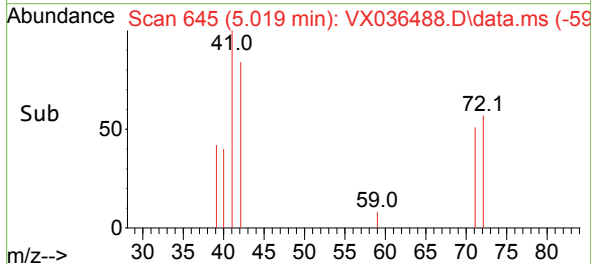
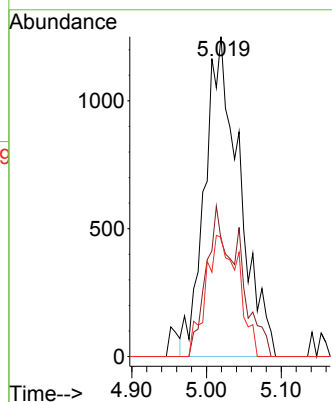
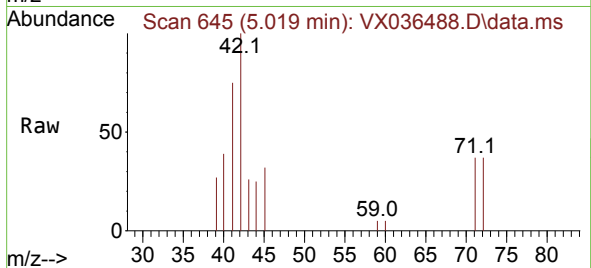
Tgt Ion: 42 Resp: 4032

Ion Ratio Lower Upper

42 100

72 31.2 34.2 51.4#

71 35.8 32.2 48.2



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX036488.D

Acq: 10 Jul 2023 17:19

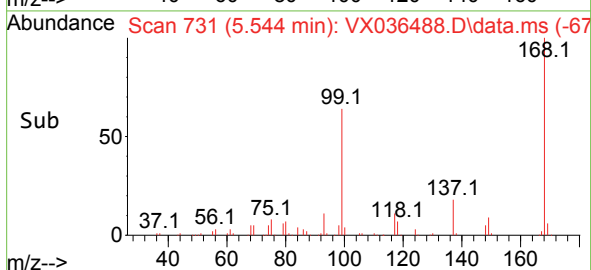
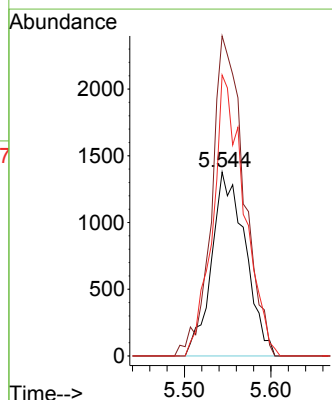
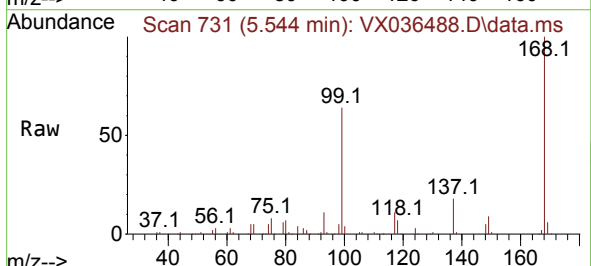
Tgt Ion: 56 Resp: 3719

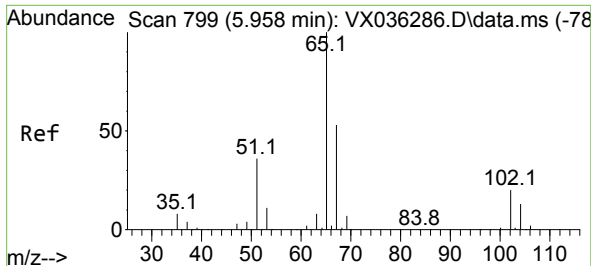
Ion Ratio Lower Upper

56 100

69 174.0 23.4 35.2#

84 152.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.737 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX036488.D

Acq: 10 Jul 2023 17:19

Instrument :

MSVOA_X

ClientSampleId :

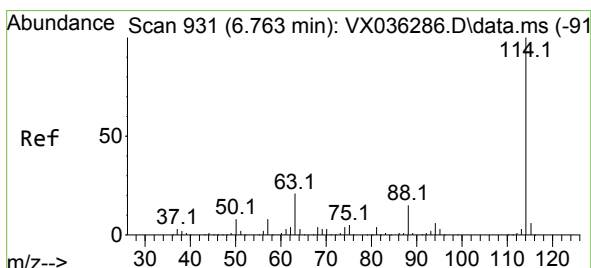
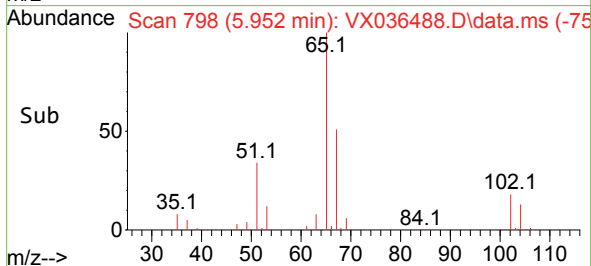
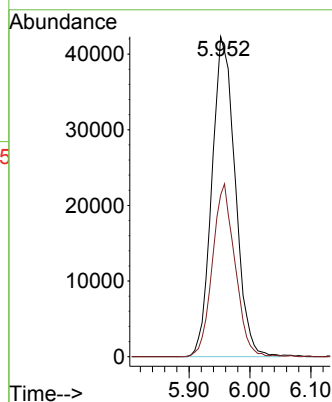
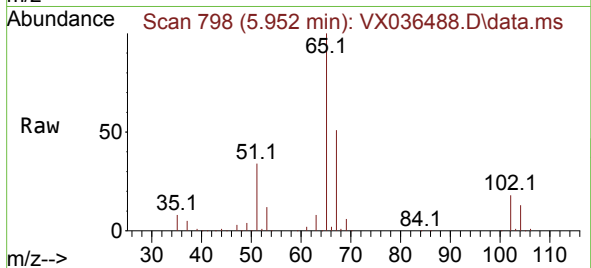
WC-WWS-09-G

Tgt Ion: 65 Resp: 112356

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: VX036488.D

Acq: 10 Jul 2023 17:19

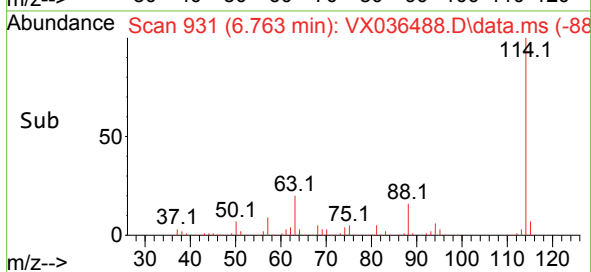
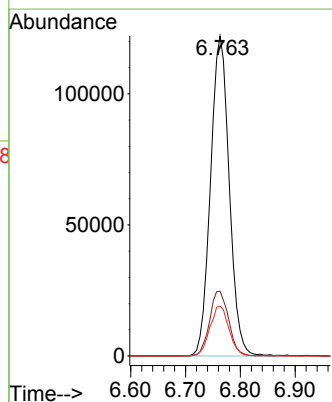
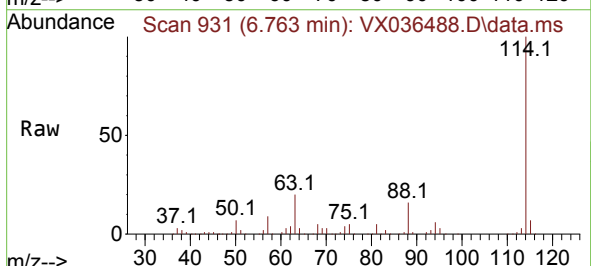
Tgt Ion:114 Resp: 288700

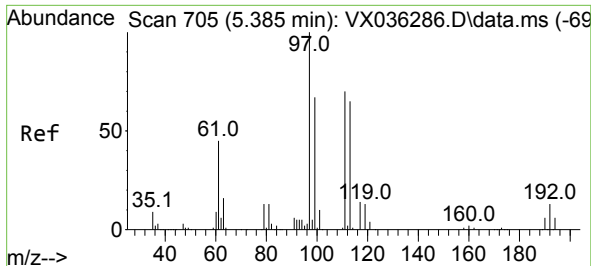
Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.0

88 15.6 0.0 36.6

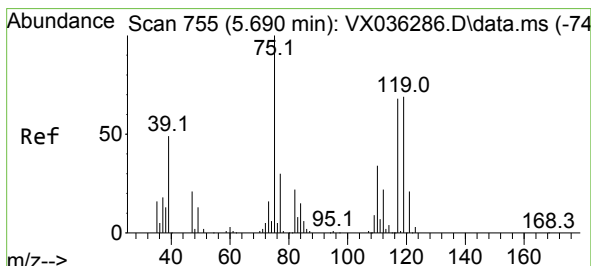
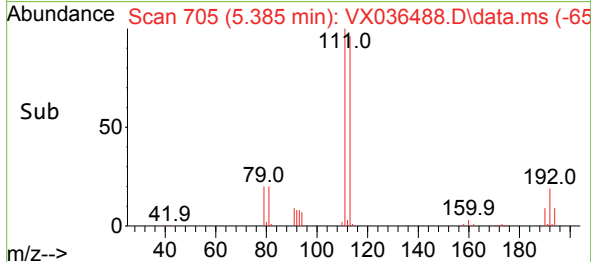
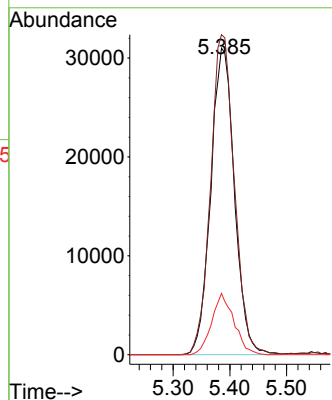
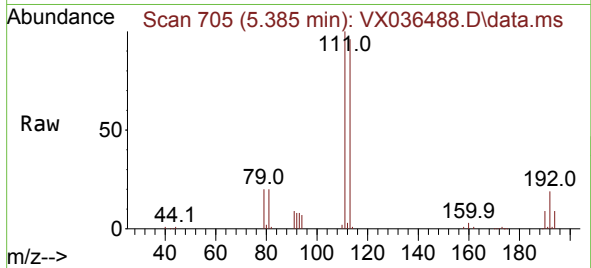




#35
Dibromofluoromethane
Concen: 47.293 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

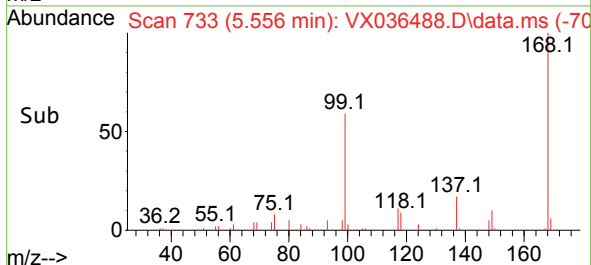
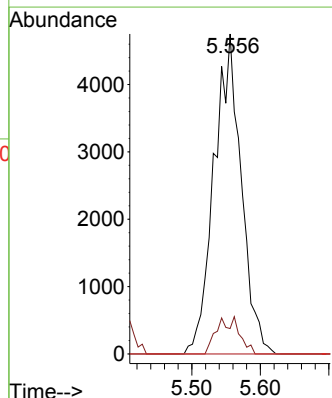
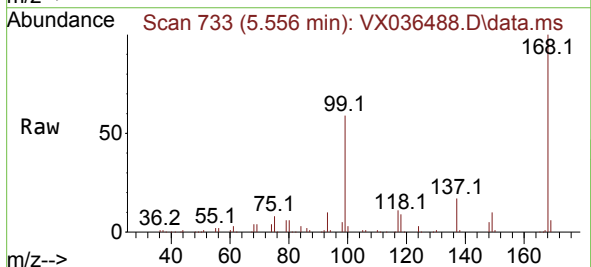
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-09-G

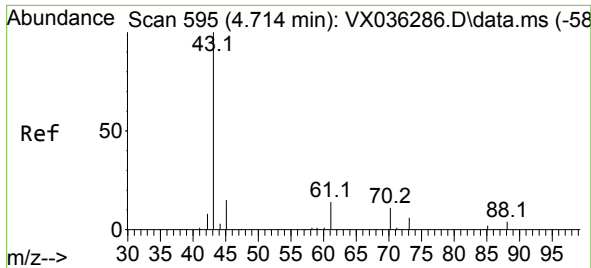
Tgt Ion:113 Resp: 90027
Ion Ratio Lower Upper
113 100
111 104.8 82.9 124.3
192 18.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

Tgt Ion: 75 Resp: 13058
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 7.188 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.007 min

Lab File: VX036488.D

Acq: 10 Jul 2023 17:19

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-09-G

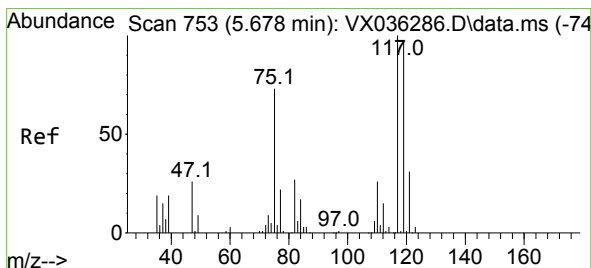
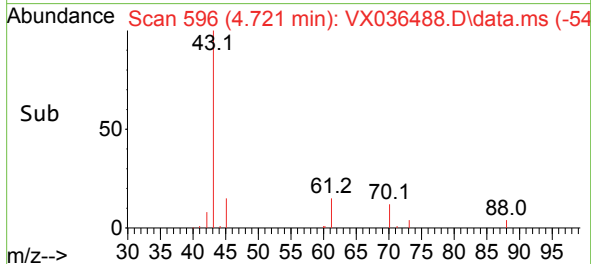
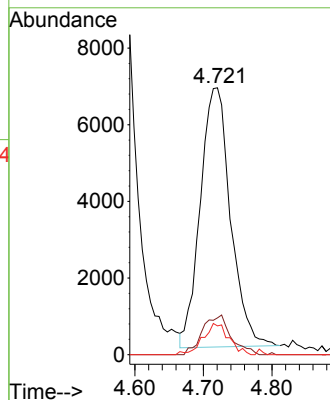
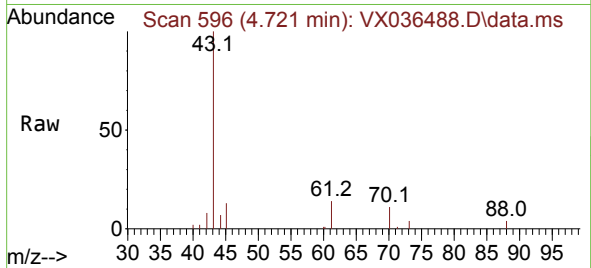
Tgt Ion: 43 Resp: 20788

Ion Ratio Lower Upper

43 100

61 14.4 10.6 16.0

70 10.2 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.722 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX036488.D

Acq: 10 Jul 2023 17:19

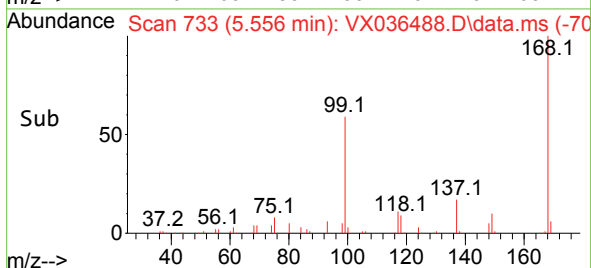
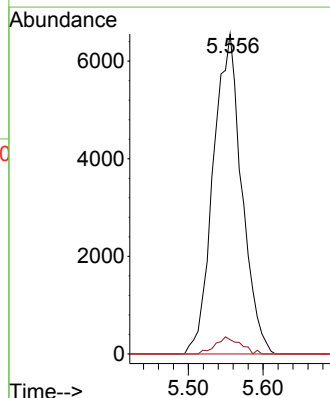
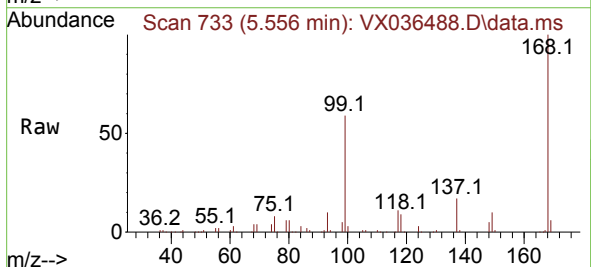
Tgt Ion: 117 Resp: 17421

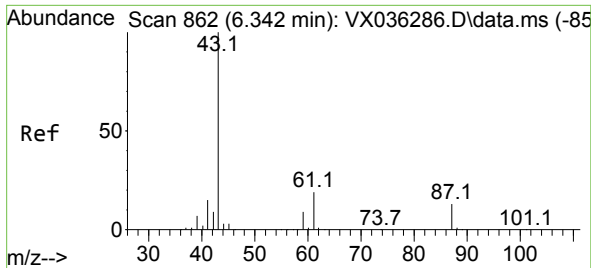
Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.2#

121 0.0 24.4 36.6#

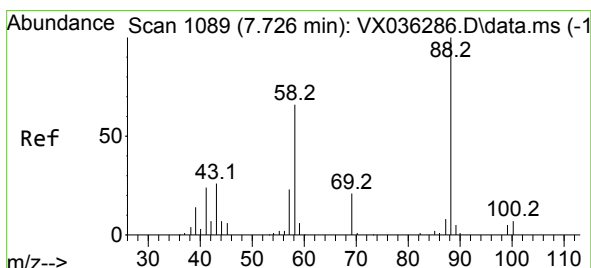
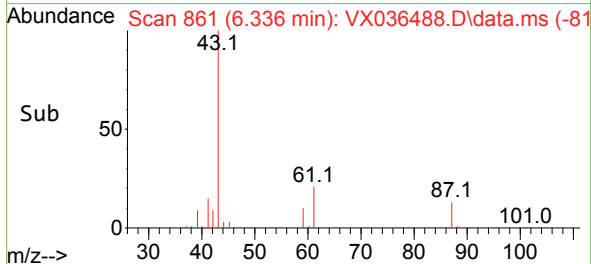
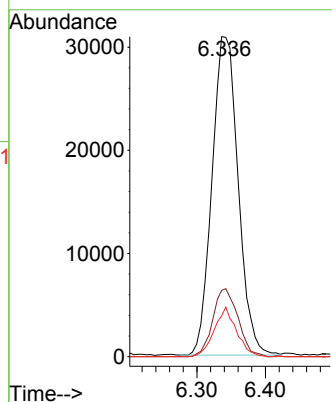
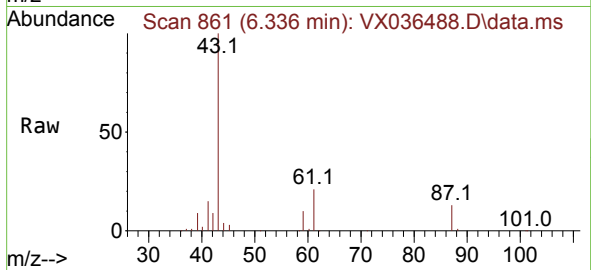




#43
Isopropyl Acetate
Concen: 17.740 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

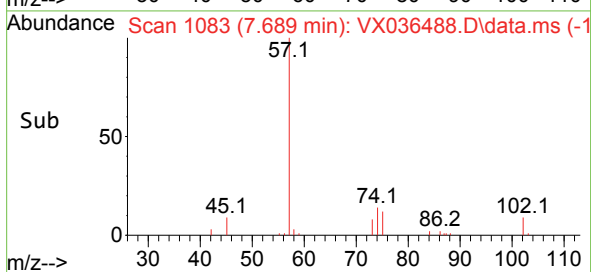
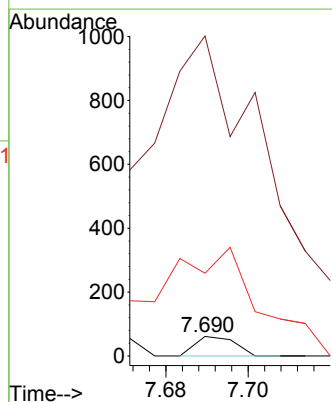
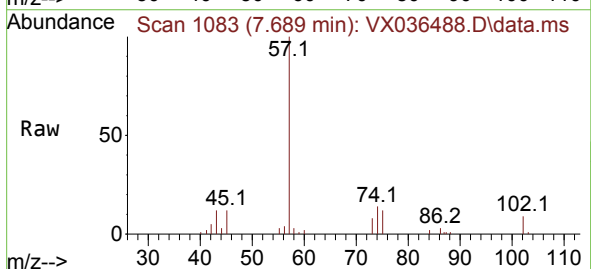
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-09-G

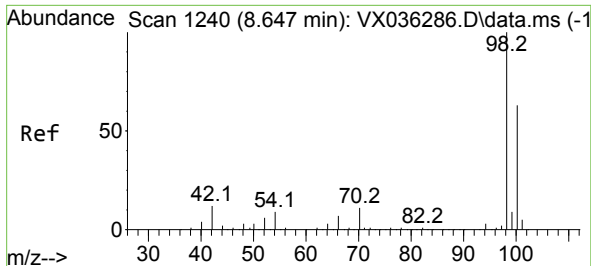
Tgt Ion: 43	Resp: 81848
Ion Ratio	Lower Upper
43 100	
61 20.6	15.2 22.8
87 13.2	9.8 14.6



#49
1,4-Dioxane
Concen: 0.804 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.043 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

Tgt Ion: 88	Resp: 41
Ion Ratio	Lower Upper
88 100	
43 2865.9	0.0 0.0#
58 1124.4	60.1 90.1#

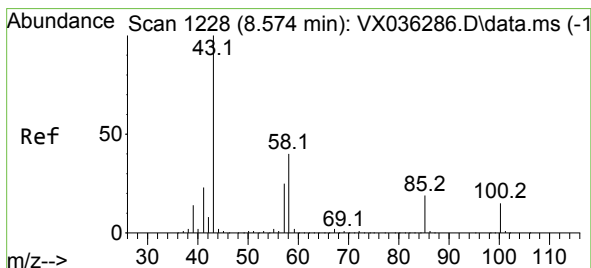
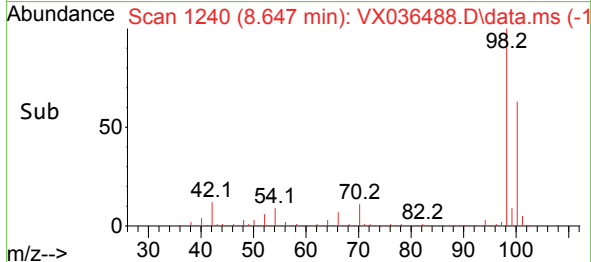
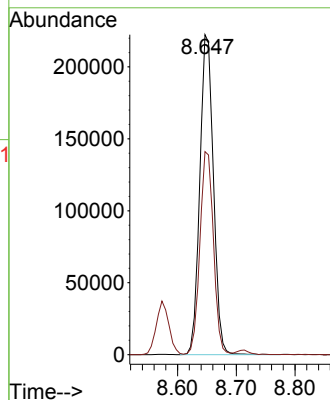
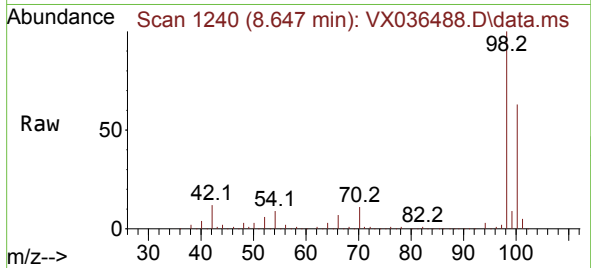




#50
Toluene-d8
Concen: 50.321 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

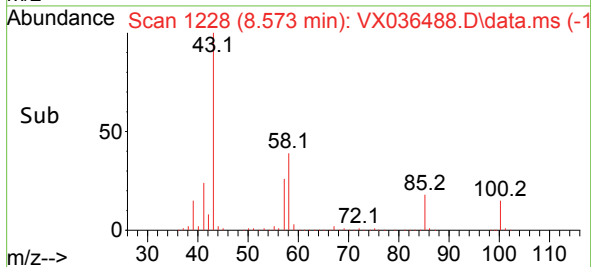
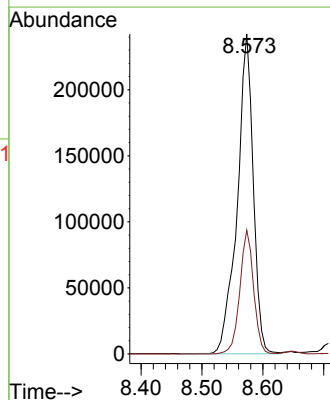
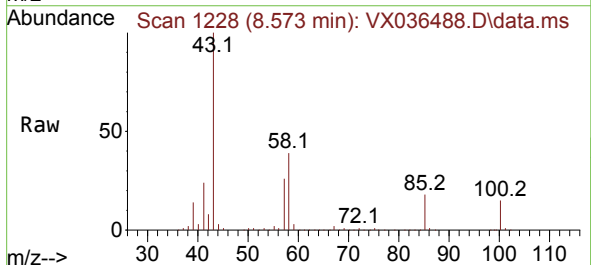
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-09-G

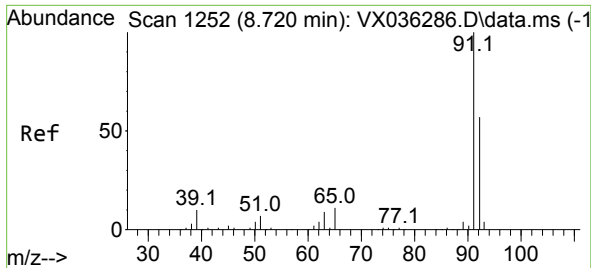
Tgt Ion: 98 Resp: 357781
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 148.975 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

Tgt Ion: 43 Resp: 442818
Ion Ratio Lower Upper
43 100
58 33.4 30.4 45.6

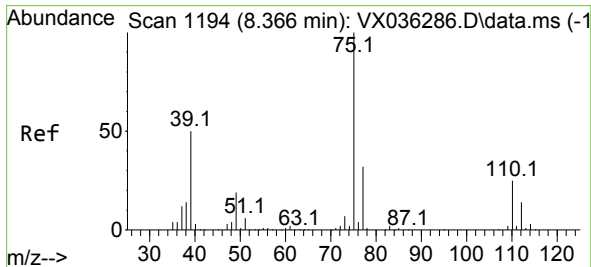
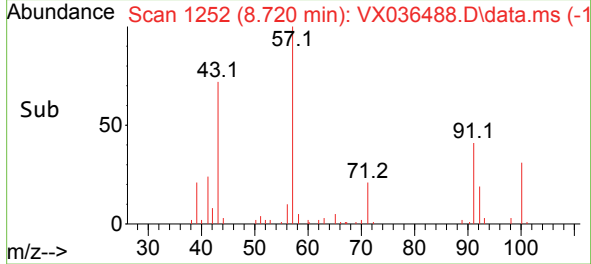
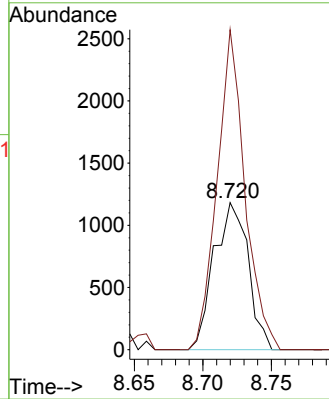
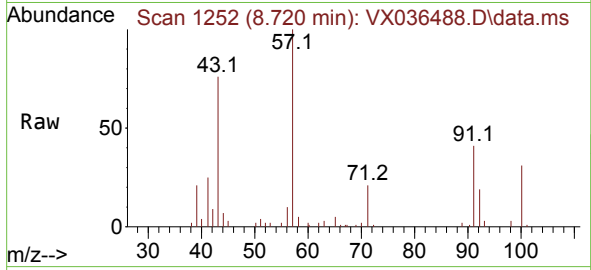




#52
Toluene
Concen: 0.407 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

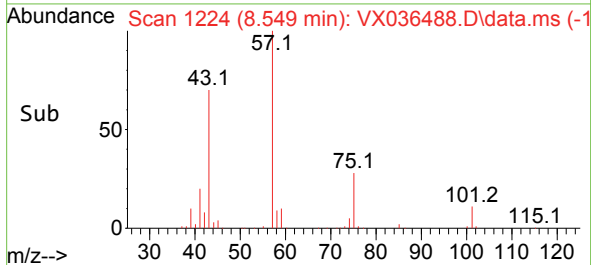
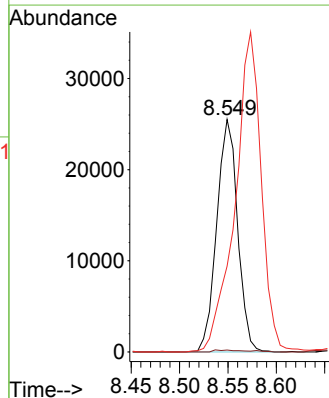
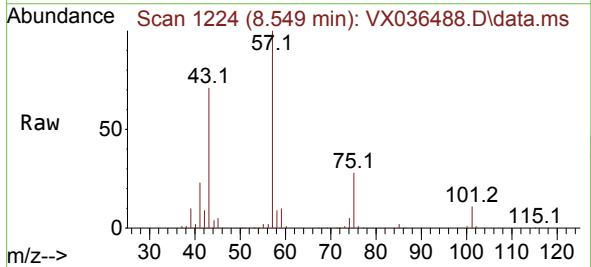
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-09-G

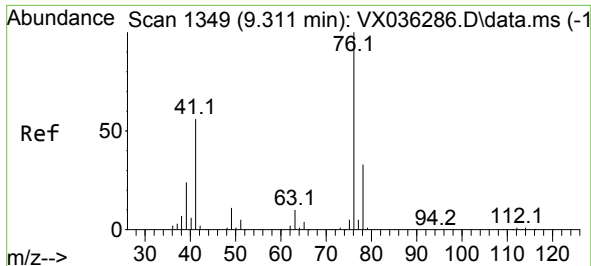
Tgt Ion: 92 Resp: 2046
Ion Ratio Lower Upper
92 100
91 177.8 134.2 201.2



#54
cis-1,3-Dichloropropene
Concen: 12.187 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

Tgt Ion: 75 Resp: 38243
Ion Ratio Lower Upper
75 100
77 0.8 25.3 37.9#
39 36.9 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 0.262 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036488.D

Acq: 10 Jul 2023 17:19

Instrument :

MSVOA_X

ClientSampleId :

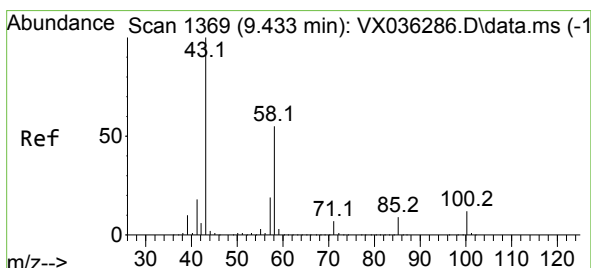
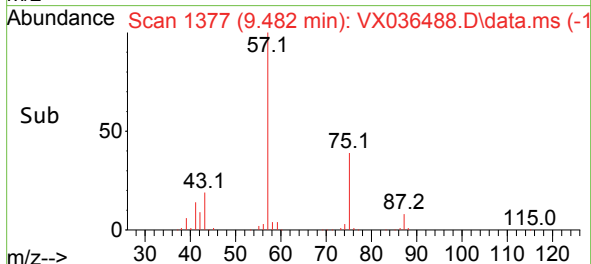
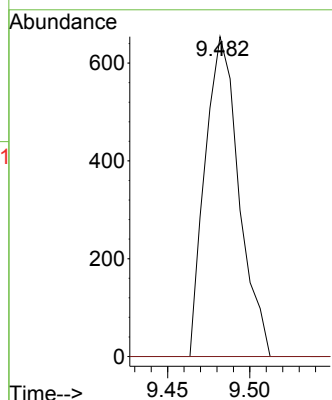
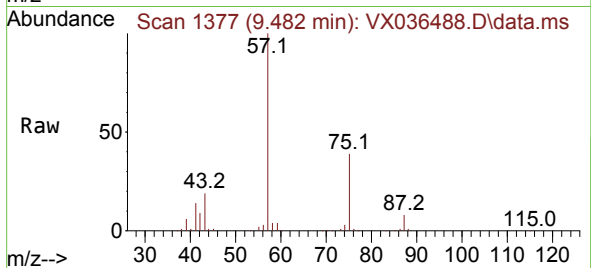
WC-WWS-09-G

Tgt Ion: 76 Resp: 938

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 6.021 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036488.D

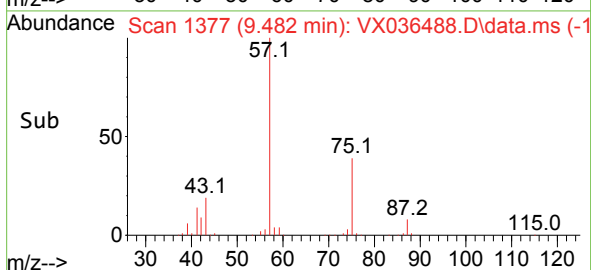
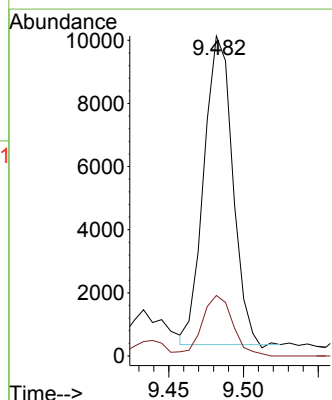
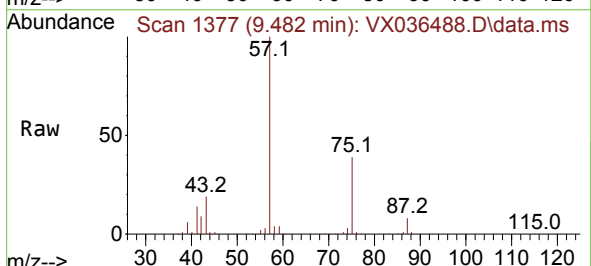
Acq: 10 Jul 2023 17:19

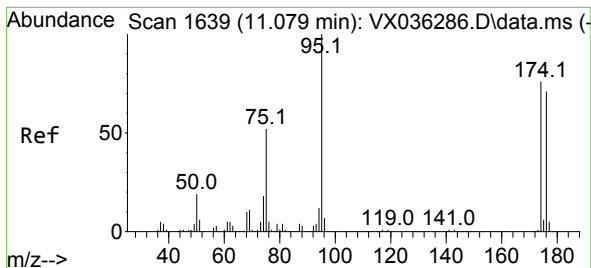
Tgt Ion: 43 Resp: 13070

Ion Ratio Lower Upper

43 100

58 21.0 26.2 78.5#

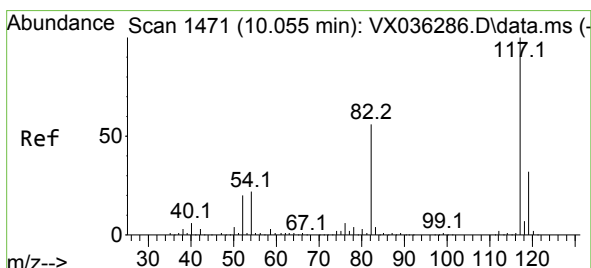
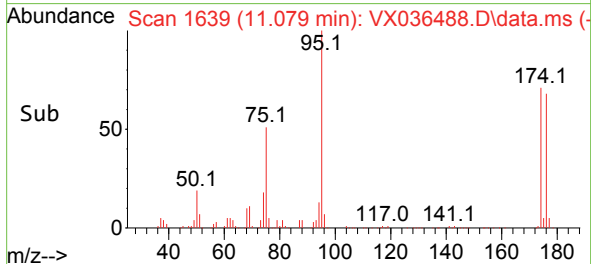
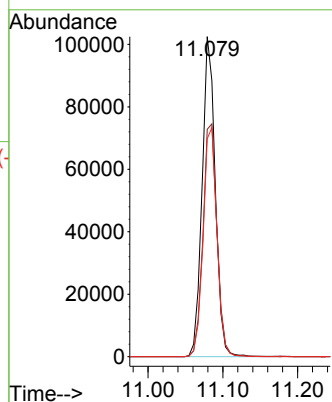
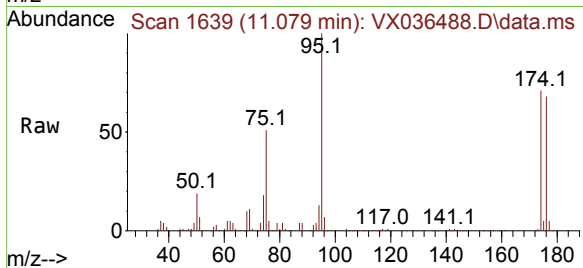




#62
4-Bromofluorobenzene
Concen: 49.898 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

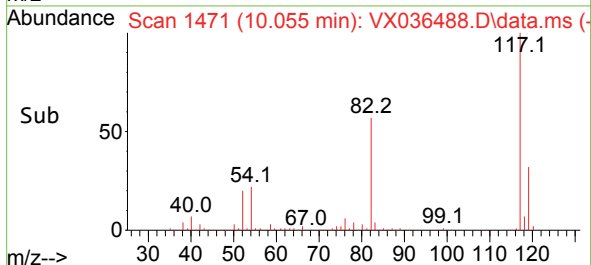
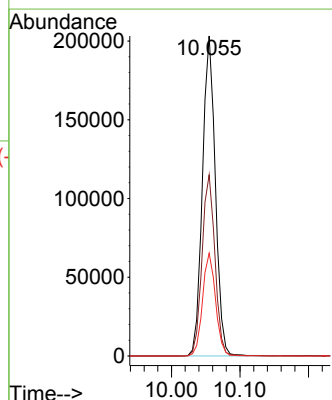
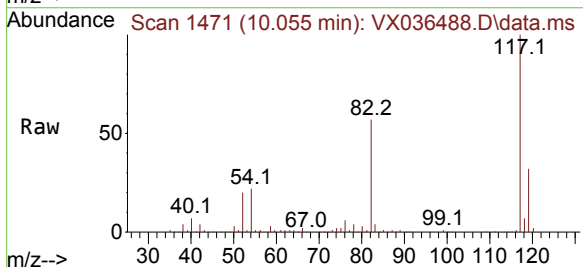
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-09-G

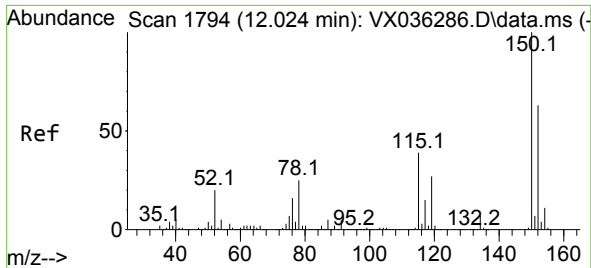
Tgt Ion: 95 Resp: 124964
Ion Ratio Lower Upper
95 100
174 77.7 0.0 135.6
176 74.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036488.D
Acq: 10 Jul 2023 17:19

Tgt Ion: 117 Resp: 267018
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.1 25.5 38.3

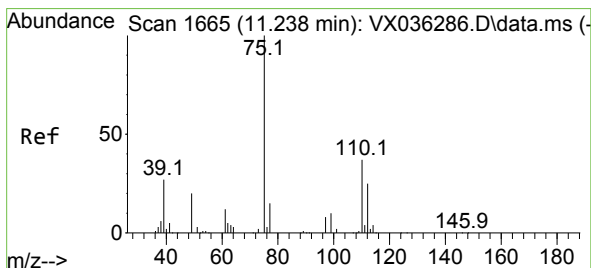
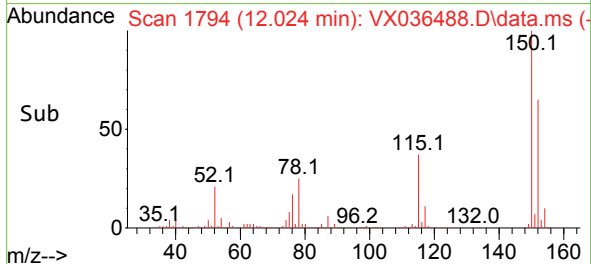
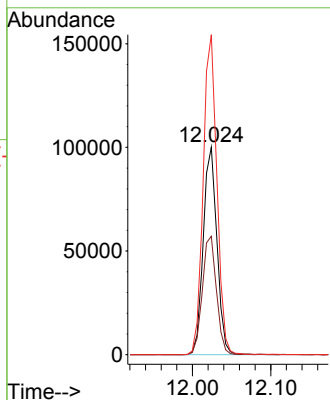
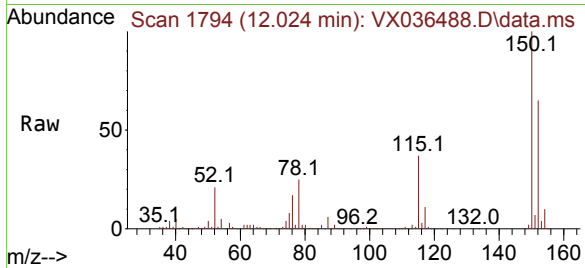




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036488.D
 Acq: 10 Jul 2023 17:19

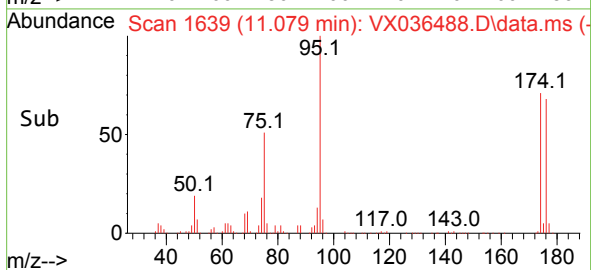
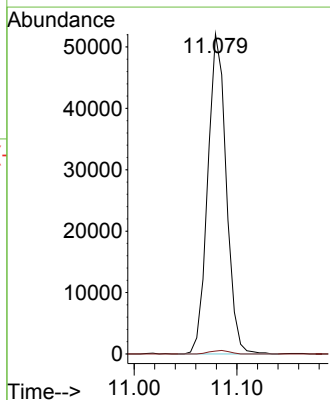
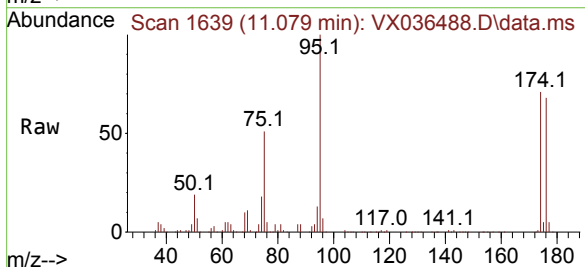
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-09-G

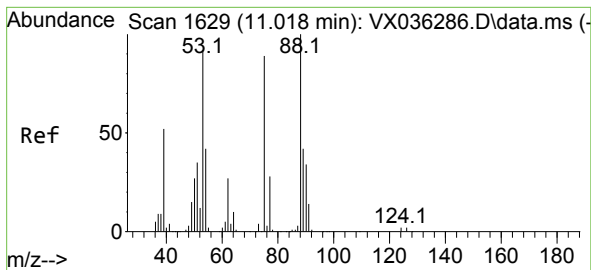
Tgt Ion:152 Resp: 121501
 Ion Ratio Lower Upper
 152 100
 115 58.8 43.3 129.9
 150 154.3 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.185 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX036488.D
 Acq: 10 Jul 2023 17:19

Tgt Ion: 75 Resp: 65270
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.096 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036488.D
 Acq: 10 Jul 2023 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-09-G

Tgt Ion: 75 Resp: 65270
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

