

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
 Data File : VX036495.D
 Acq On : 10 Jul 2023 20:04
 Operator : JC/MD
 Sample : 03541-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-08-G

Quant Time: Jul 11 01:34:08 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)

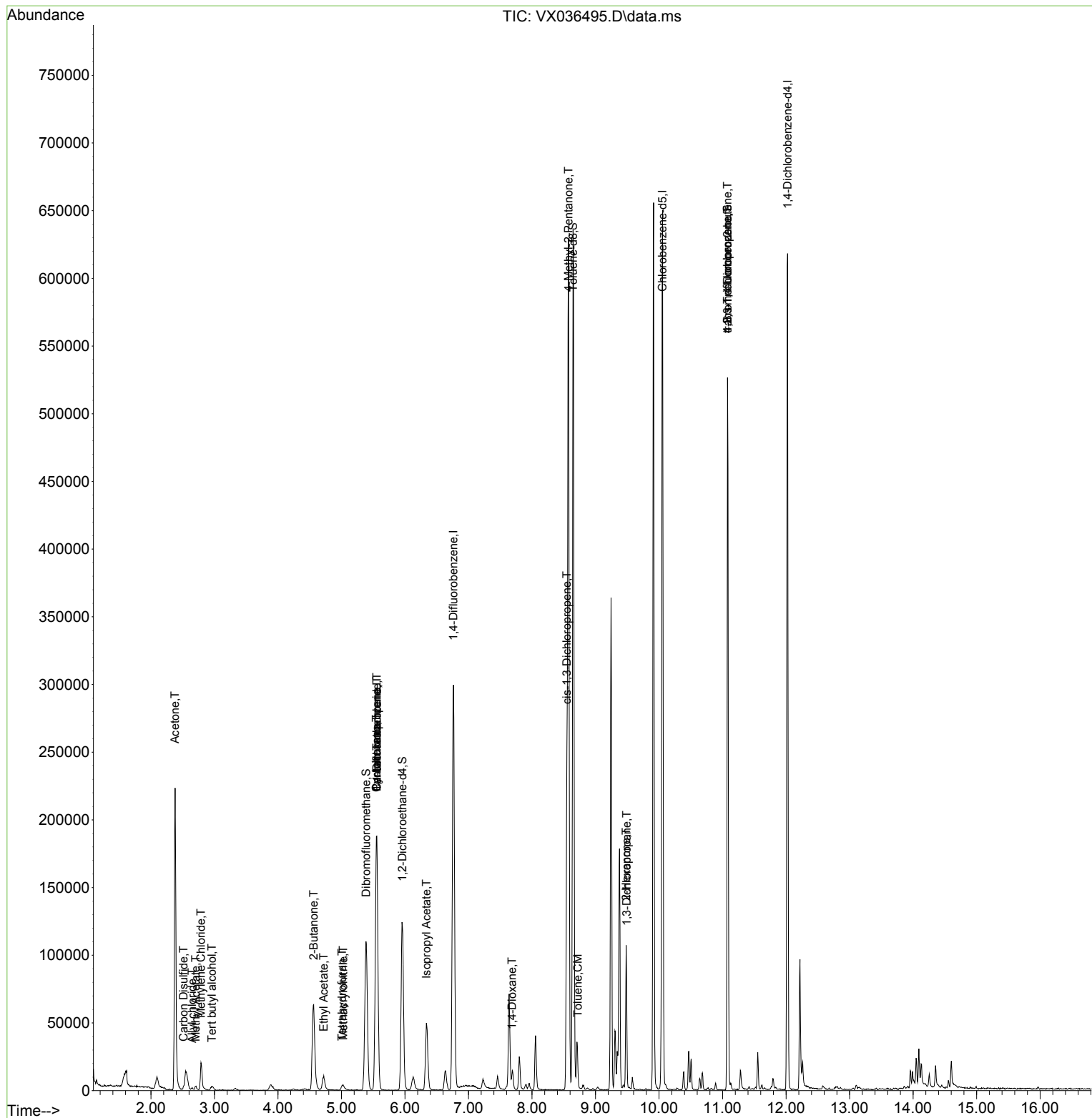
Internal Standards						
1) Pentafluorobenzene	5.556	168	178716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	307658	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	289867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	117380	45.820	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.640%		
35) Dibromofluoromethane	5.385	113	97348	47.987	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.980%		
50) Toluene-d8	8.647	98	382069	50.426	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.860%		
62) 4-Bromofluorobenzene	11.079	95	136140	51.011	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.020%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	4224	9.058	ug/l #	88
14) Allyl chloride	2.648	41	1881	0.570	ug/l #	37
16) Acetone	2.379	43	238191	217.531	ug/l	93
17) Carbon Disulfide	2.514	76	2081	0.417	ug/l #	93
18) Methyl Acetate	2.703	43	3558	0.790	ug/l #	89
20) Methylene Chloride	2.788	84	9722	4.124	ug/l	93
25) 2-Butanone	4.562	43	110898	70.489	ug/l	95
29) Tetrahydrofuran	5.007	42	1707	1.704	ug/l #	37
31) Cyclohexane	5.550	56	3925	1.196	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	14868	4.917	ug/l #	51
37) Ethyl Acetate	4.720	43	18110	5.876	ug/l	99
38) Carbon Tetrachloride	5.556	117	18929	6.854	ug/l #	15
41) Methacrylonitrile	5.025	41	2422	1.417	ug/l #	40
43) Isopropyl Acetate	6.336	43	68462	13.925	ug/l	98
49) 1,4-Dioxane	7.683	88	149	2.742	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	425820	134.429	ug/l	93
52) Toluene	8.720	92	1200	0.224	ug/l	92
54) cis-1,3-Dichloropropene	8.549	75	33653	10.063	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	977	0.256	ug/l #	42
59) 2-Hexanone	9.482	43	12193	5.271	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	70428	25.204	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	70428	82.160	ug/l #	5

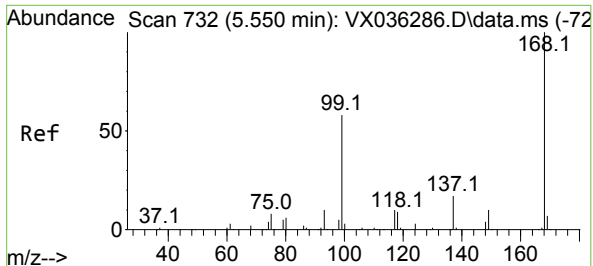
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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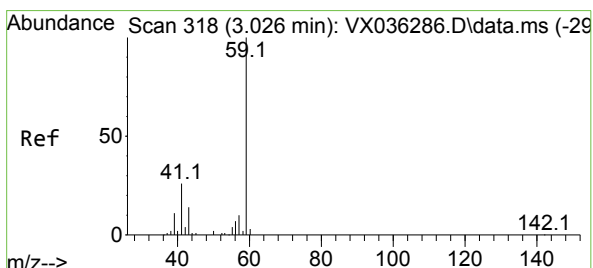
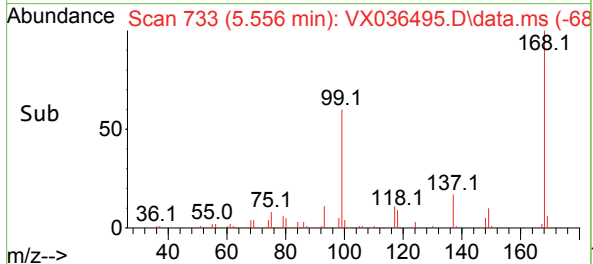
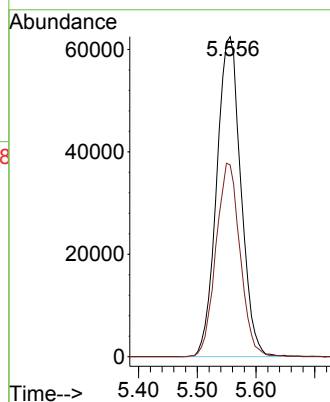
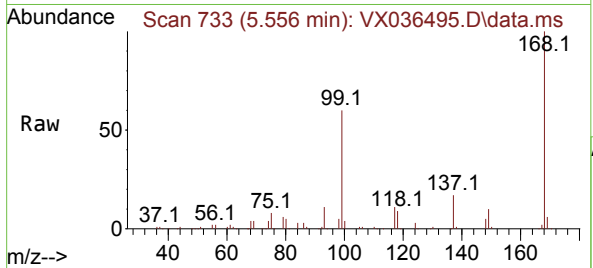




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

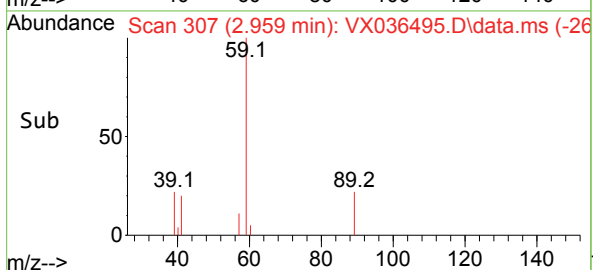
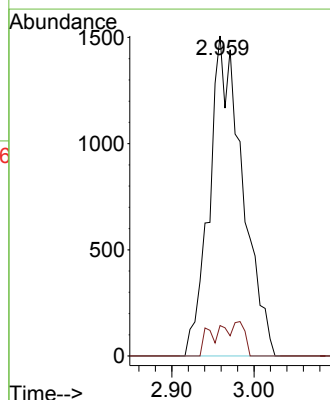
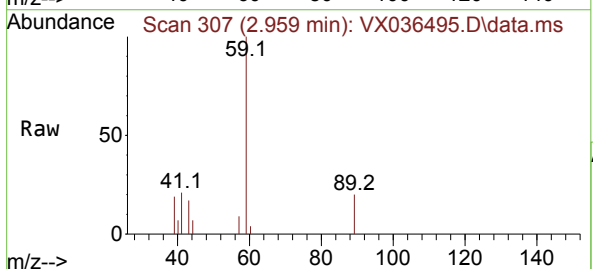
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-08-G

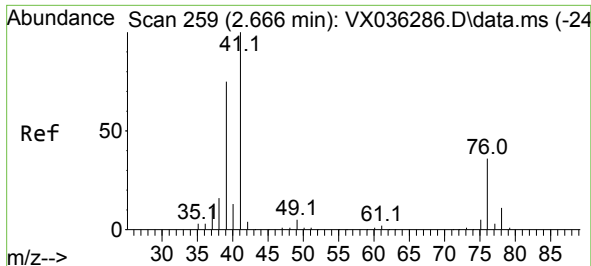
Tgt Ion:168 Resp: 178716
Ion Ratio Lower Upper
168 100
99 60.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 9.058 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.054 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

Tgt Ion: 59 Resp: 4224
Ion Ratio Lower Upper
59 100
57 3.2 6.0 9.0#

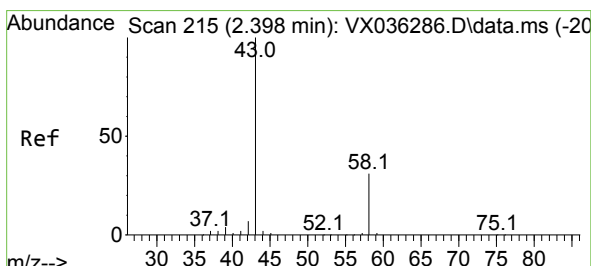
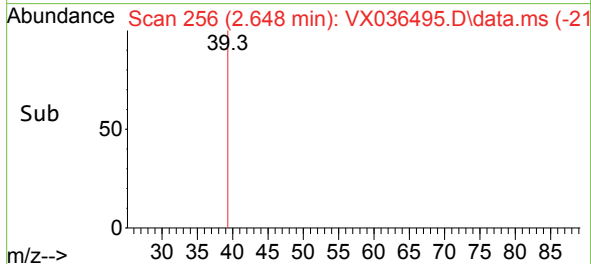
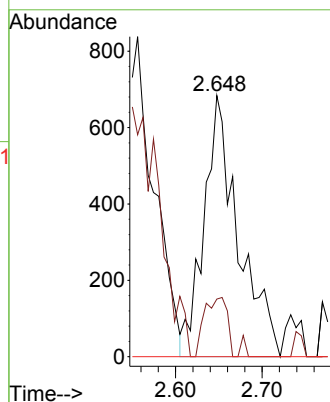
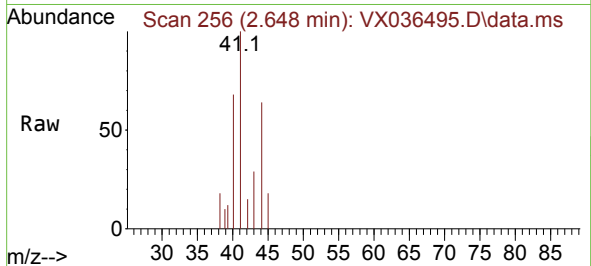




#14
 Allyl chloride
 Concen: 0.570 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.018 min
 Lab File: VX036495.D
 Acq: 10 Jul 2023 20:04

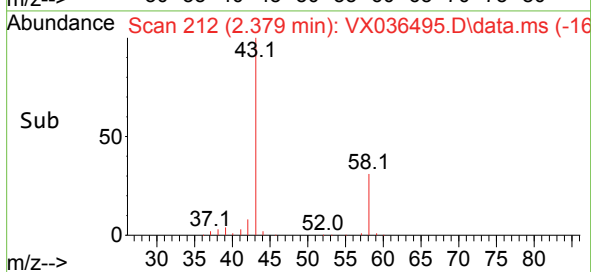
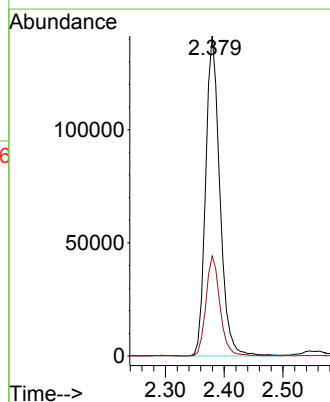
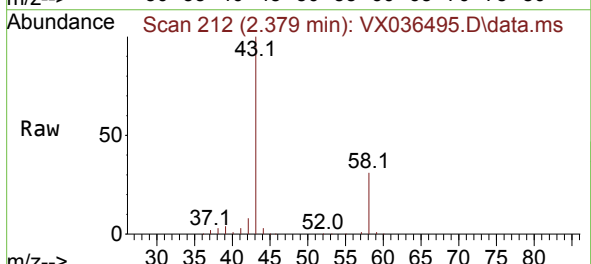
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-08-G

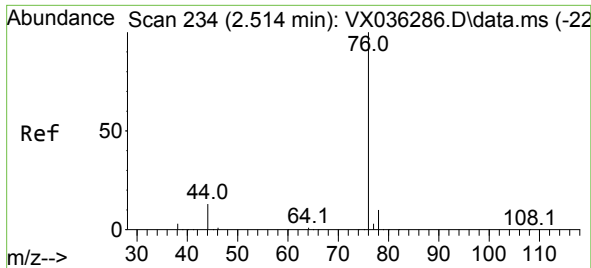
Tgt Ion: 41 Resp: 1881
 Ion Ratio Lower Upper
 41 100
 39 15.1 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 217.531 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.025 min
 Lab File: VX036495.D
 Acq: 10 Jul 2023 20:04

Tgt Ion: 43 Resp: 238191
 Ion Ratio Lower Upper
 43 100
 58 31.2 21.9 32.9

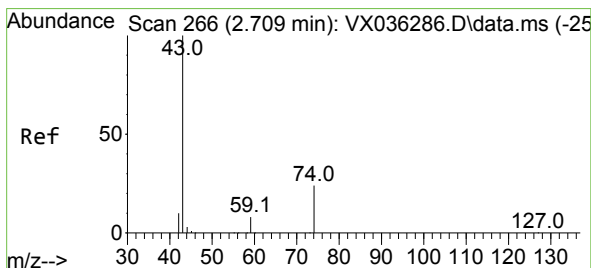
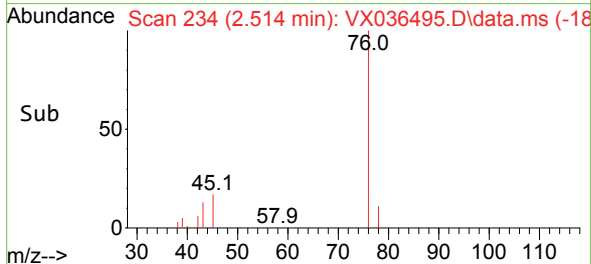
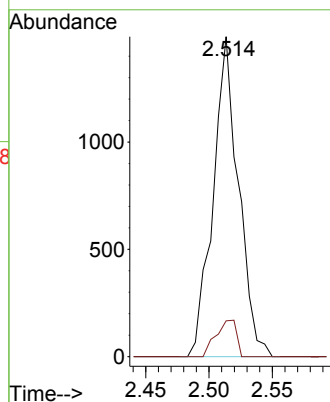
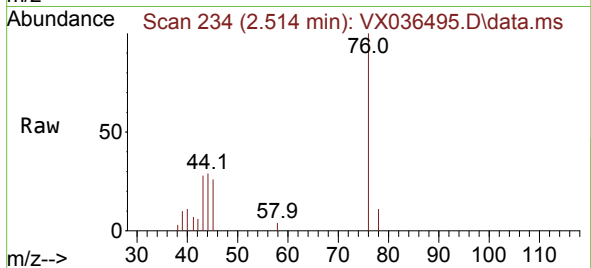




#17
Carbon Disulfide
Concen: 0.417 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

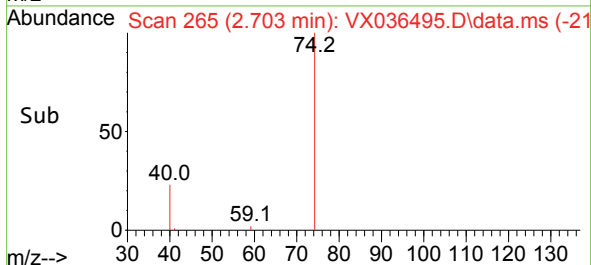
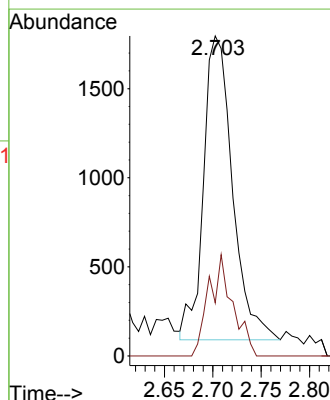
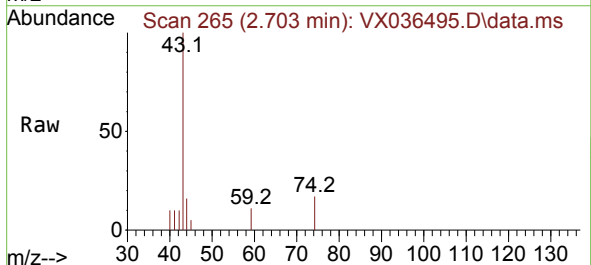
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-08-G

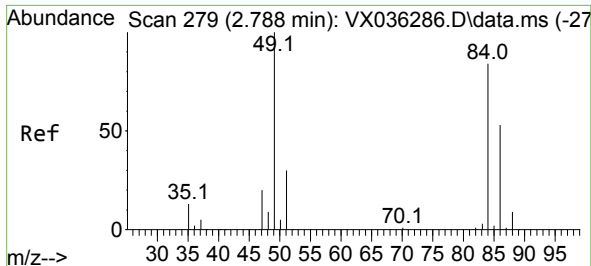
Tgt Ion: 76 Resp: 2081
Ion Ratio Lower Upper
76 100
78 11.2 7.0 10.6#



#18
Methyl Acetate
Concen: 0.790 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

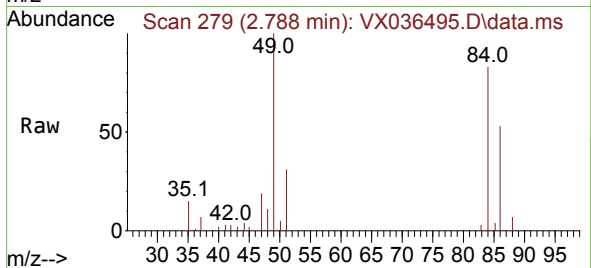
Tgt Ion: 43 Resp: 3558
Ion Ratio Lower Upper
43 100
74 27.4 17.8 26.8#



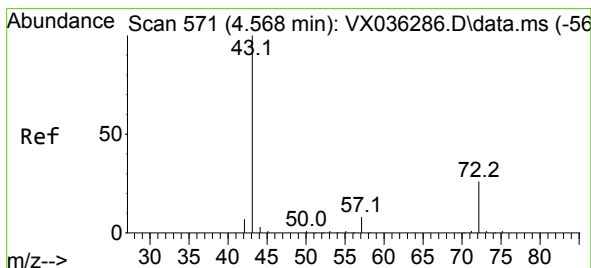
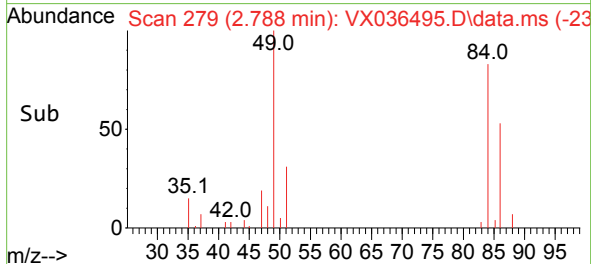
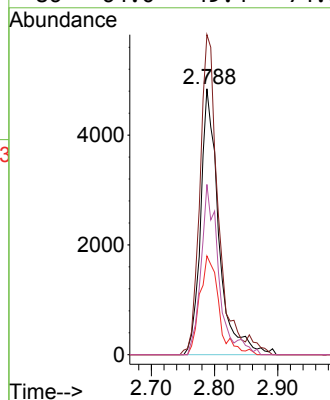


#20
Methylene Chloride
Concen: 4.124 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-08-G

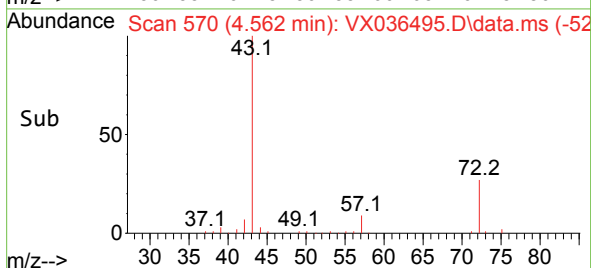
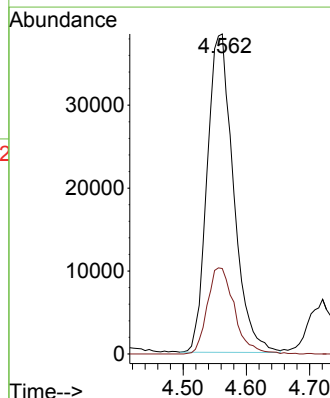
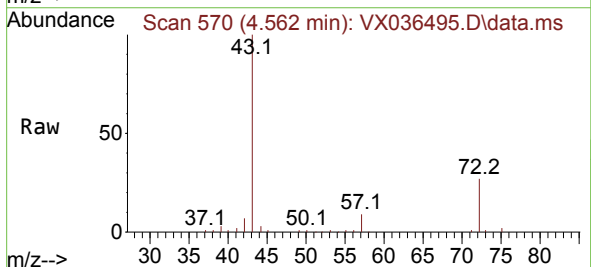


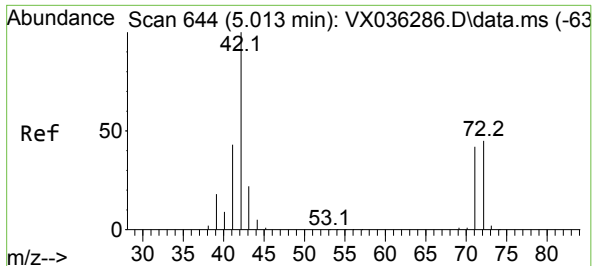
Tgt Ion:	84	Resp:	9722
Ion	Ratio	Lower	Upper
84	100		
49	120.3	103.6	155.4
51	37.1	33.8	50.6
86	64.0	49.4	74.0



#25
2-Butanone
Concen: 70.489 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

Tgt Ion:	43	Resp:	110898
Ion	Ratio	Lower	Upper
43	100		
72	26.8	19.4	29.2





#29

Tetrahydrofuran

Concen: 1.704 ug/l

RT: 5.007 min Scan# 64

Delta R.T. -0.012 min

Lab File: VX036495.D

Acq: 10 Jul 2023 20:04

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-08-G

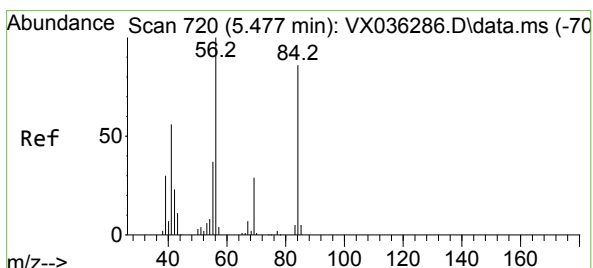
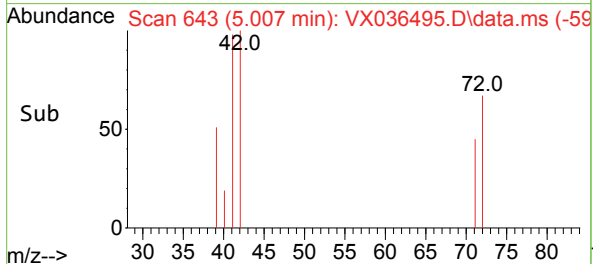
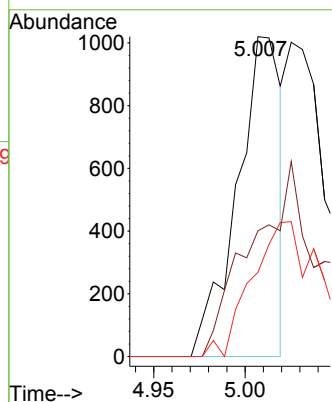
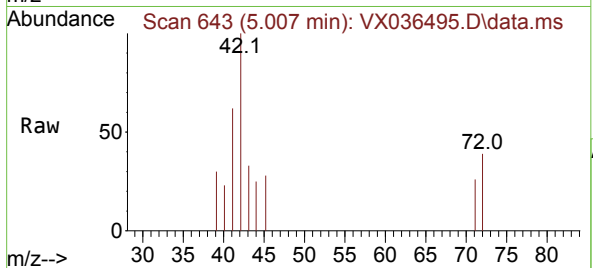
Tgt Ion: 42 Resp: 1707

Ion Ratio Lower Upper

42 100

72 92.1 34.2 51.4#

71 70.3 32.2 48.2#



#31

Cyclohexane

Concen: 1.196 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036495.D

Acq: 10 Jul 2023 20:04

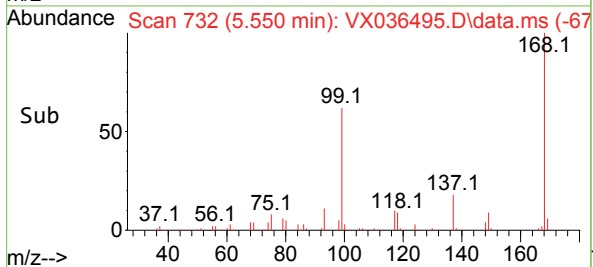
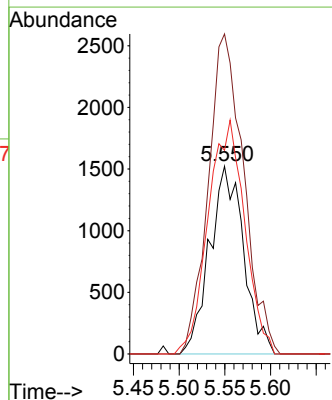
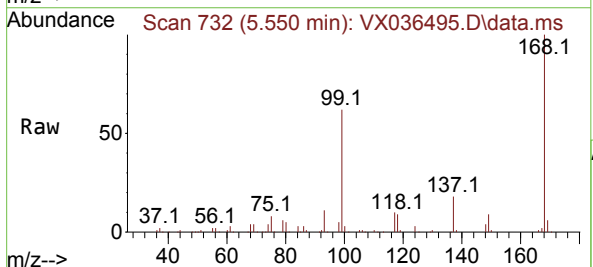
Tgt Ion: 56 Resp: 3925

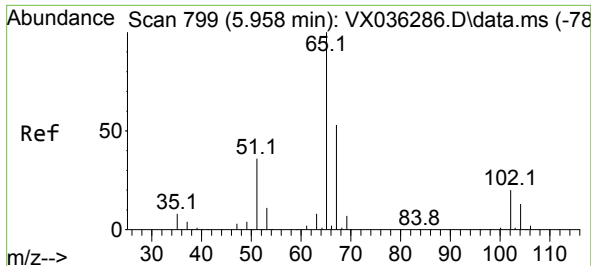
Ion Ratio Lower Upper

56 100

69 170.5 23.4 35.2#

84 108.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.820 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036495.D

Acq: 10 Jul 2023 20:04

Instrument :

MSVOA_X

ClientSampleId :

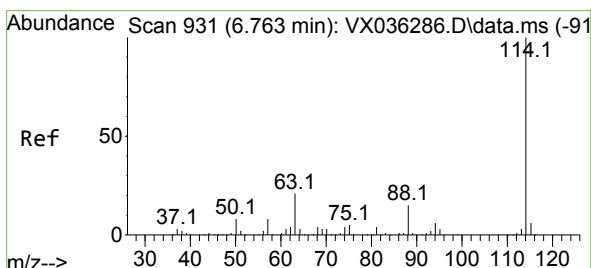
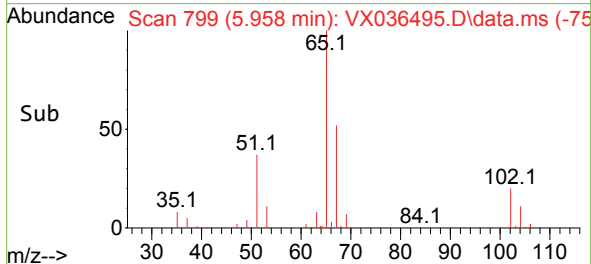
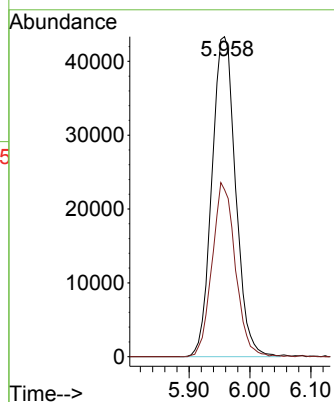
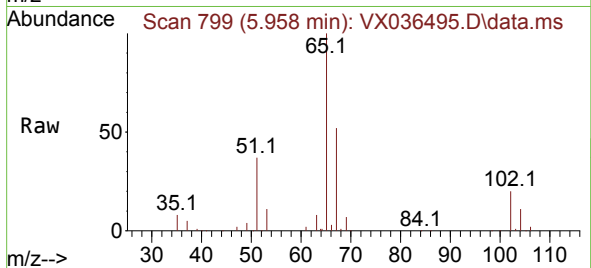
WC-WWS-08-G

Tgt Ion: 65 Resp: 117380

Ion Ratio Lower Upper

65 100

67 53.2 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: VX036495.D

Acq: 10 Jul 2023 20:04

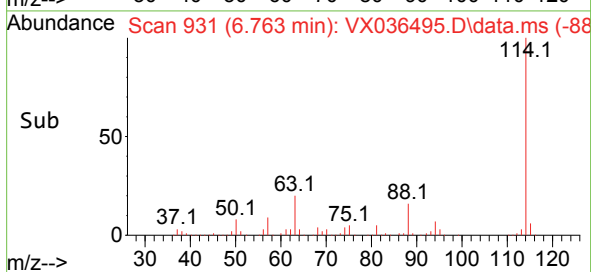
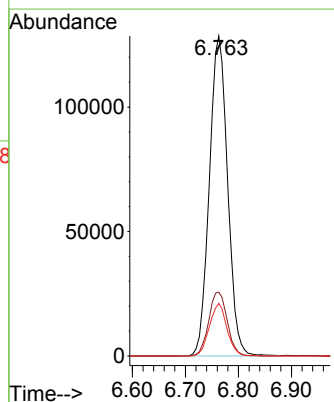
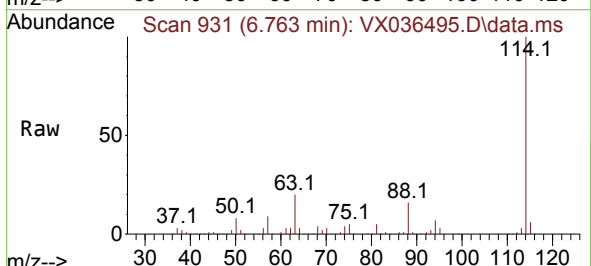
Tgt Ion: 114 Resp: 307658

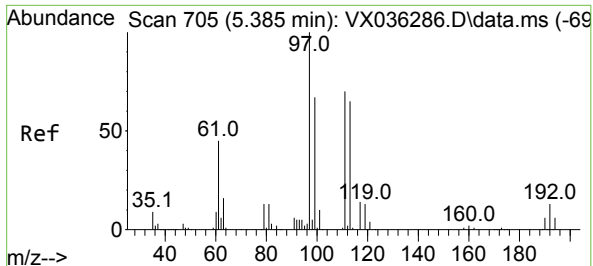
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 16.4 0.0 36.6

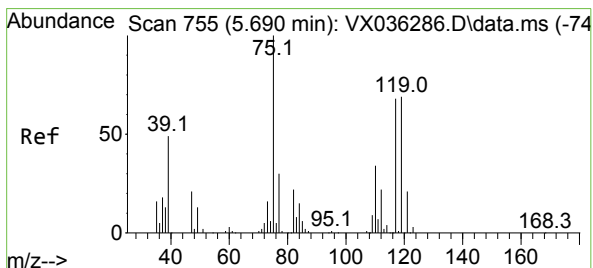
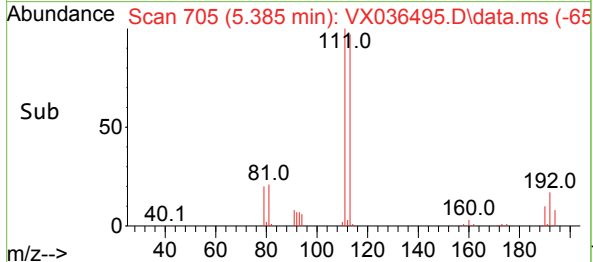
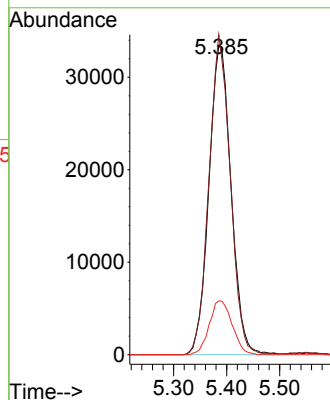
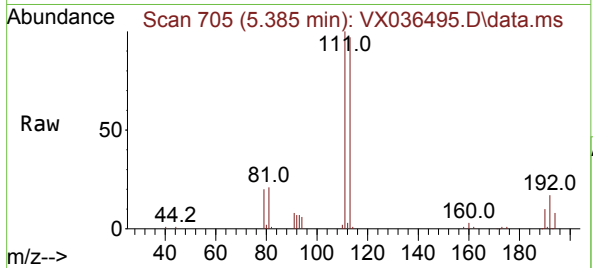




#35
Dibromofluoromethane
Concen: 47.987 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

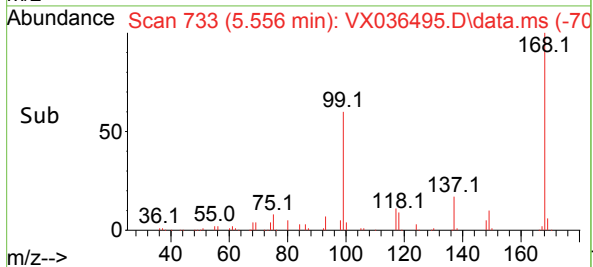
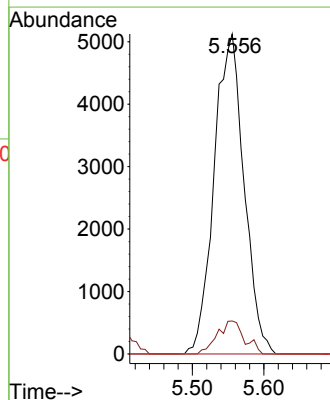
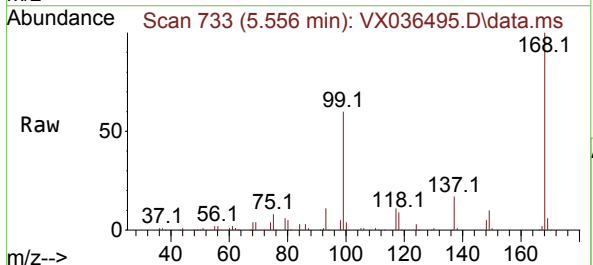
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-08-G

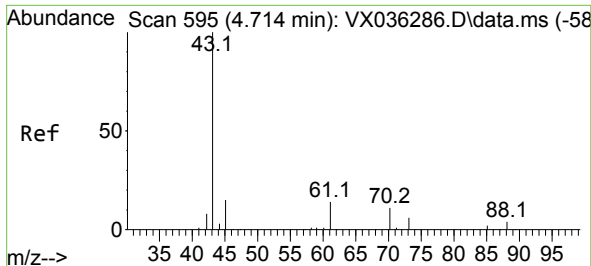
Tgt Ion:113 Resp: 97348
Ion Ratio Lower Upper
113 100
111 99.1 82.9 124.3
192 17.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

Tgt Ion: 75 Resp: 14868
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 5.876 ug/l

RT: 4.720 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX036495.D

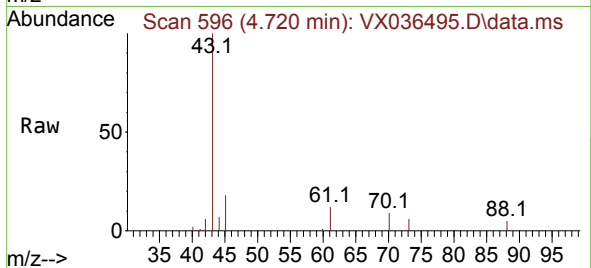
Acq: 10 Jul 2023 20:04

Instrument :

MSVOA_X

ClientSampleId :

WC-WWS-08-G



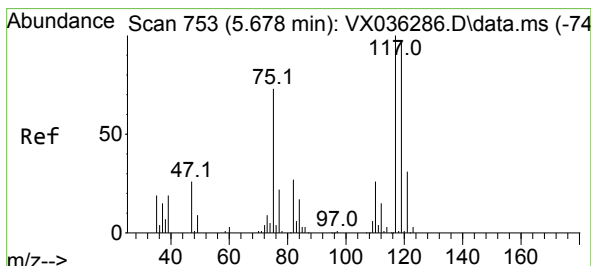
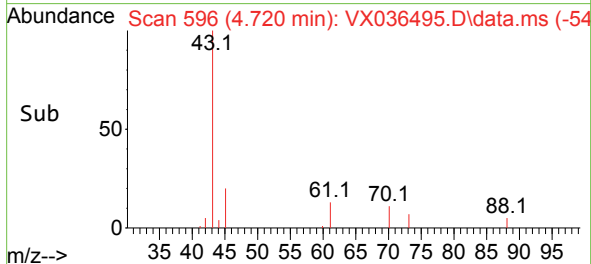
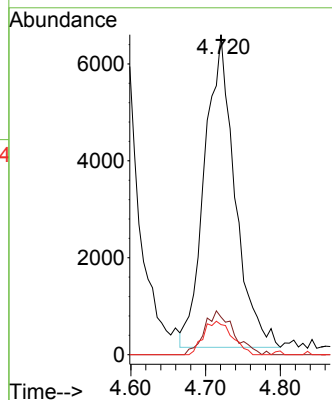
Tgt Ion: 43 Resp: 18110

Ion Ratio Lower Upper

43 100

61 13.6 10.6 16.0

70 10.1 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.854 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX036495.D

Acq: 10 Jul 2023 20:04

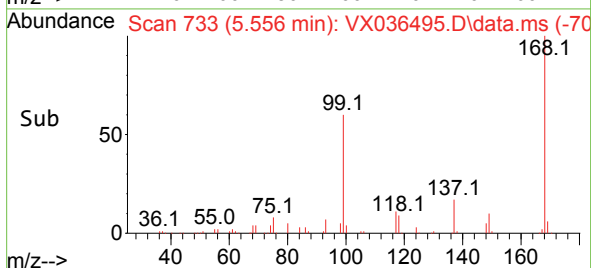
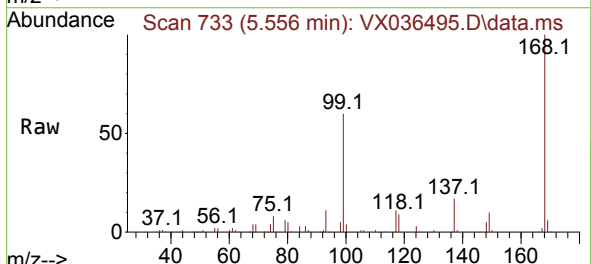
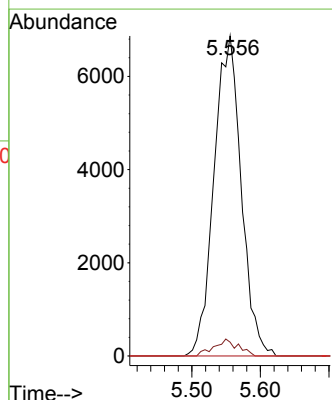
Tgt Ion: 117 Resp: 18929

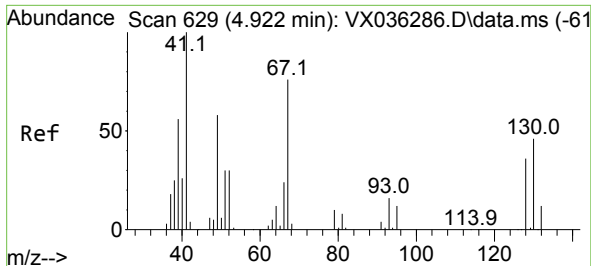
Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

121 0.0 24.4 36.6#

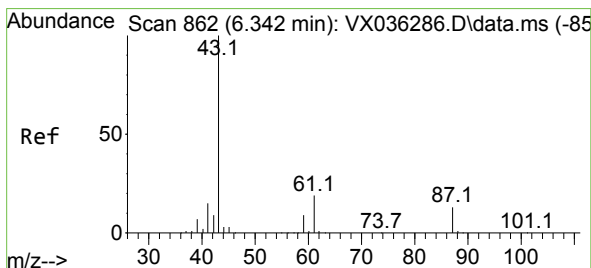
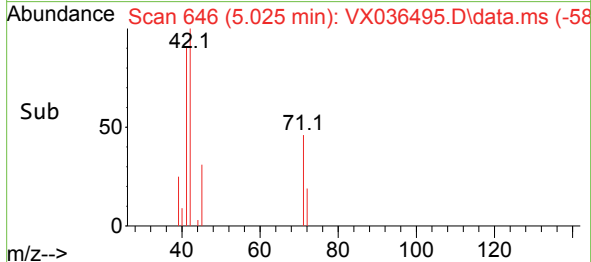
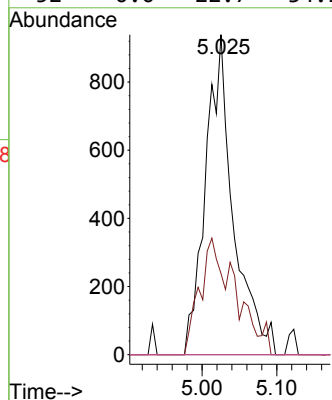
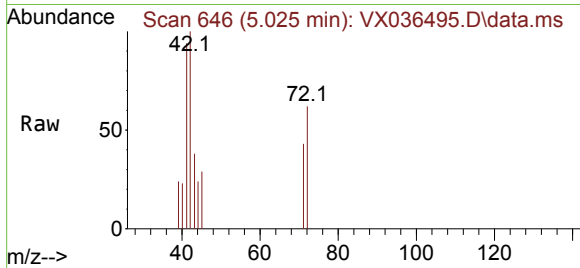




#41
Methacrylonitrile
Concen: 1.417 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.103 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

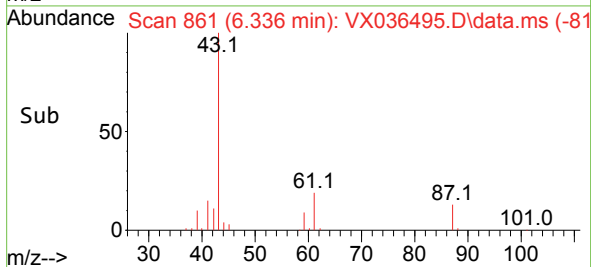
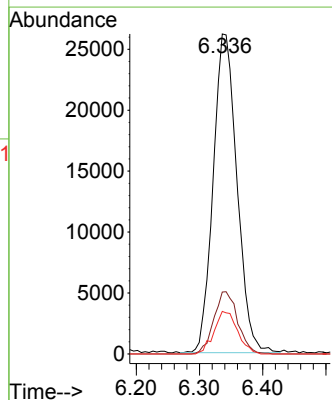
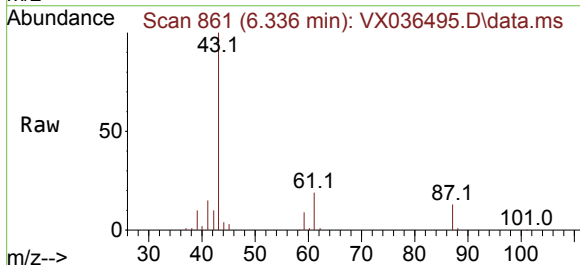
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-08-G

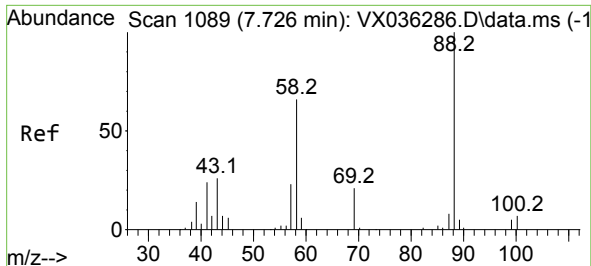
Tgt Ion: 41	Resp: 2422
Ion Ratio	Lower Upper
41	100
39	29.2 45.2 67.8#
67	0.0 52.6 78.8#
52	0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 13.925 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

Tgt Ion: 43	Resp: 68462
Ion Ratio	Lower Upper
43	100
61	19.5 15.2 22.8
87	13.1 9.8 14.6

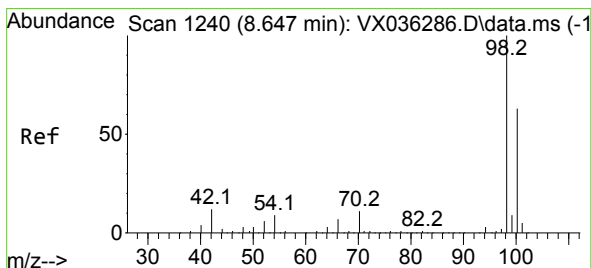
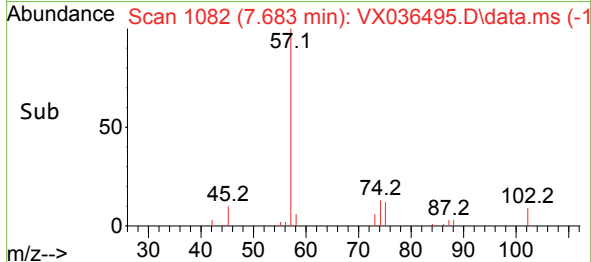
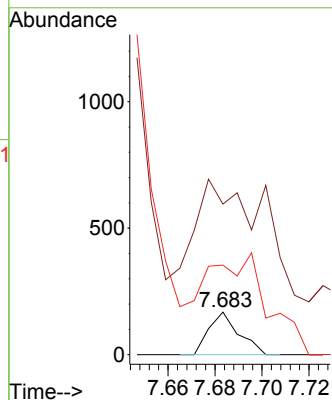
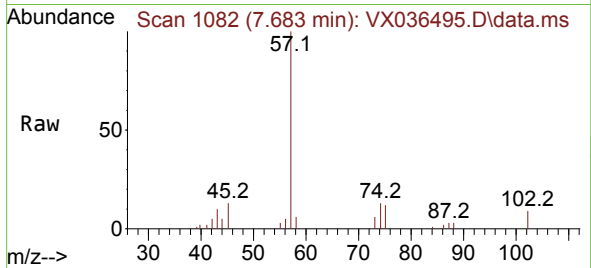




#49
1,4-Dioxane
Concen: 2.742 ug/l
RT: 7.683 min Scan# 1089
Delta R.T. -0.049 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

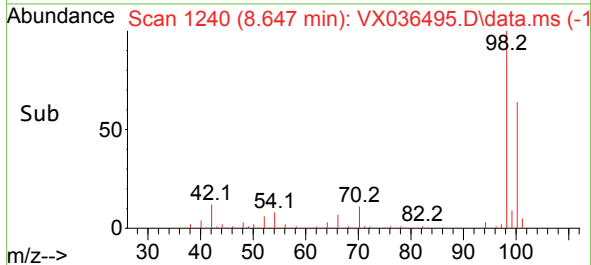
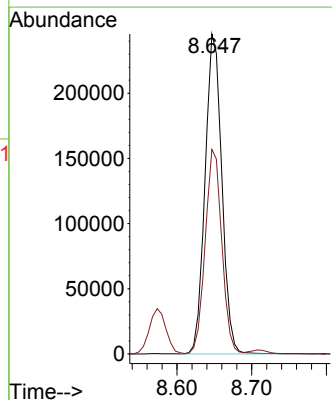
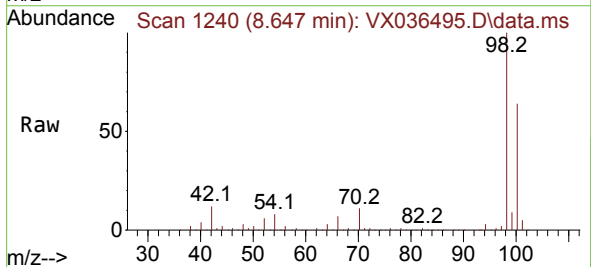
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-08-G

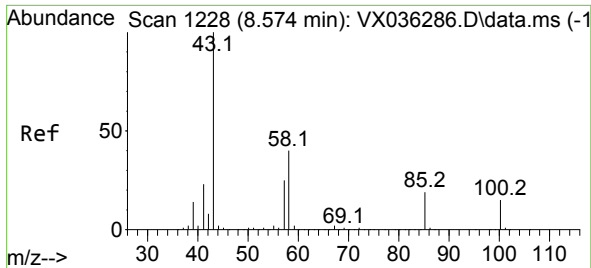
Tgt Ion: 88 Resp: 149
Ion Ratio Lower Upper
88 100
43 898.0 0.0 0.0#
58 455.7 60.1 90.1#



#50
Toluene-d8
Concen: 50.426 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

Tgt Ion: 98 Resp: 382069
Ion Ratio Lower Upper
98 100
100 63.3 53.1 79.7

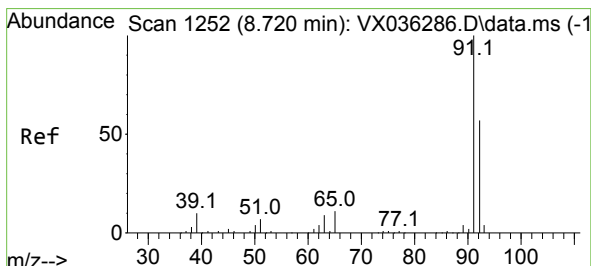
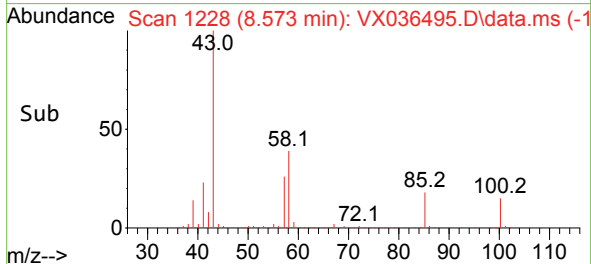
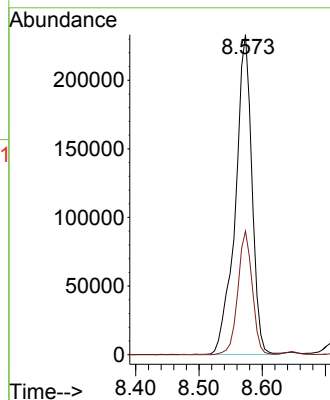
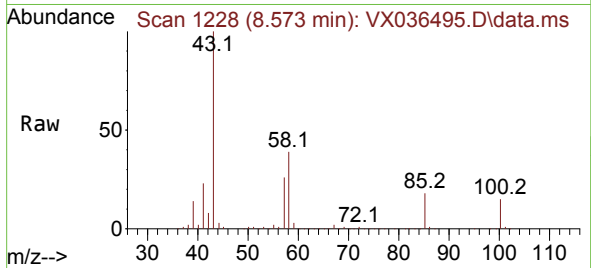




#51
4-Methyl-2-Pentanone
Concen: 134.429 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

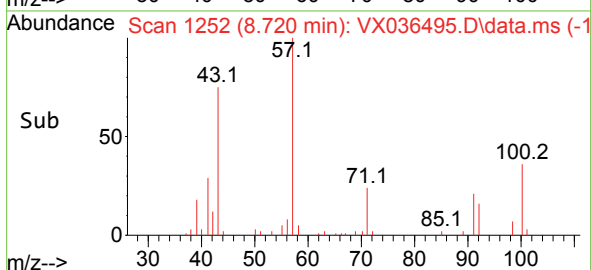
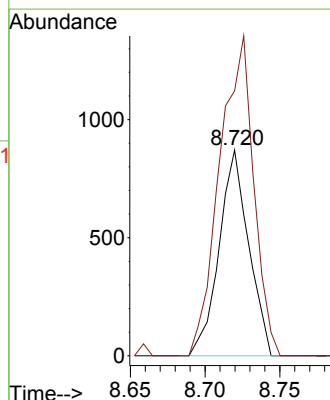
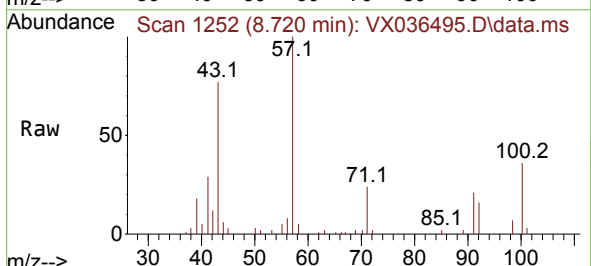
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-08-G

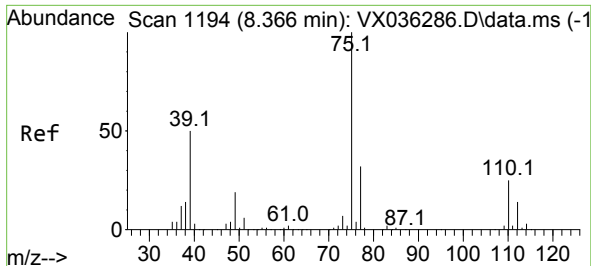
Tgt Ion: 43 Resp: 425820
Ion Ratio Lower Upper
43 100
58 33.5 30.4 45.6



#52
Toluene
Concen: 0.224 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

Tgt Ion: 92 Resp: 1200
Ion Ratio Lower Upper
92 100
91 178.8 134.2 201.2

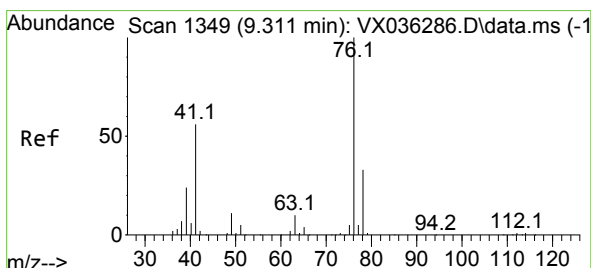
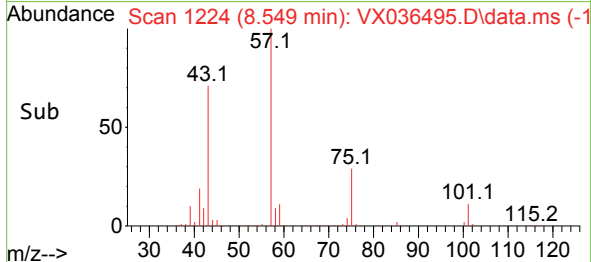
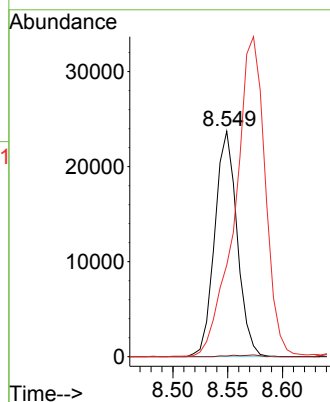
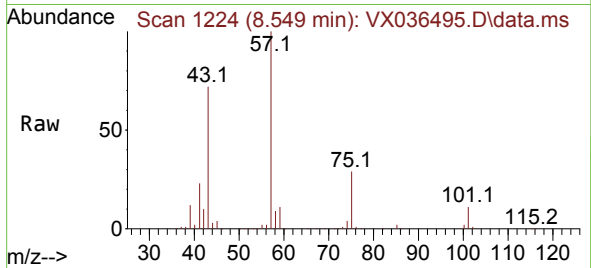




#54
 cis-1,3-Dichloropropene
 Concen: 10.063 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036495.D
 Acq: 10 Jul 2023 20:04

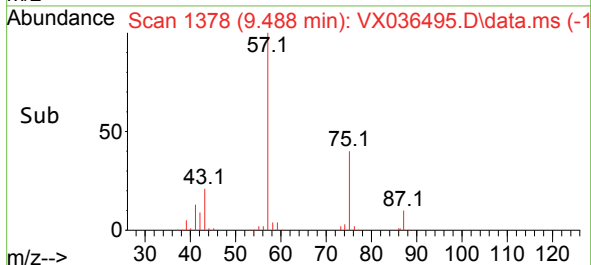
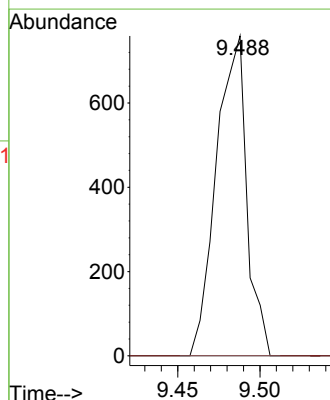
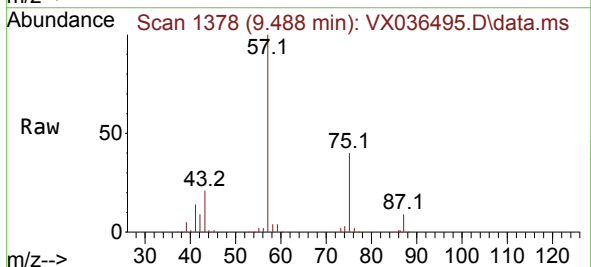
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-WWS-08-G

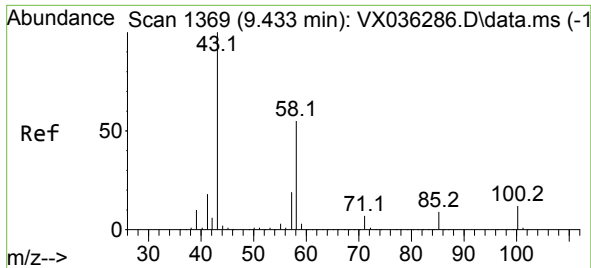
Tgt Ion: 75 Resp: 33653
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 40.4 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 0.256 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.183 min
 Lab File: VX036495.D
 Acq: 10 Jul 2023 20:04

Tgt Ion: 76 Resp: 977
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

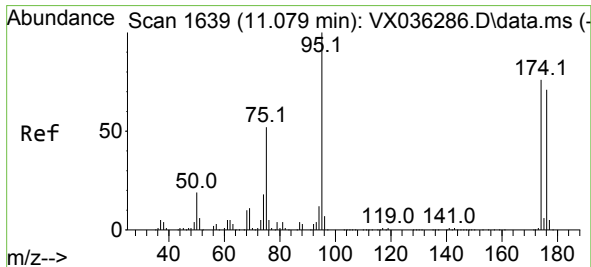
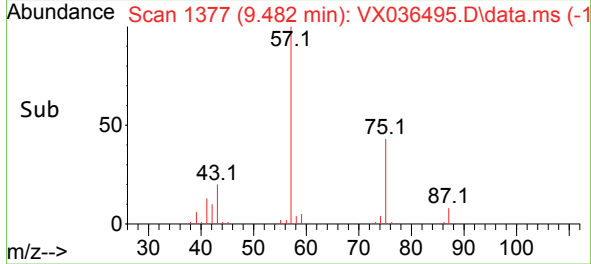
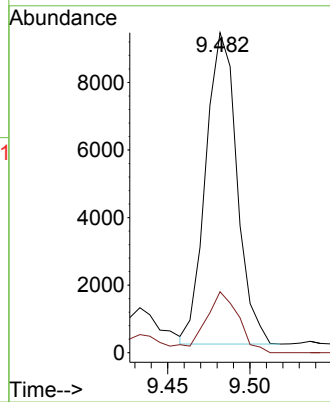
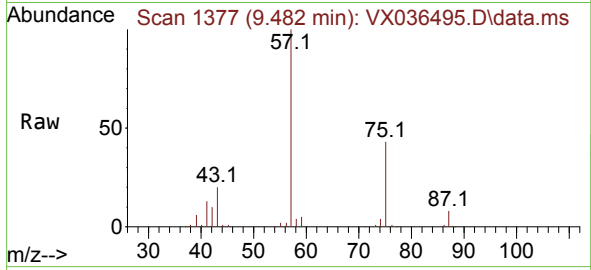




#59
2-Hexanone
Concen: 5.271 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

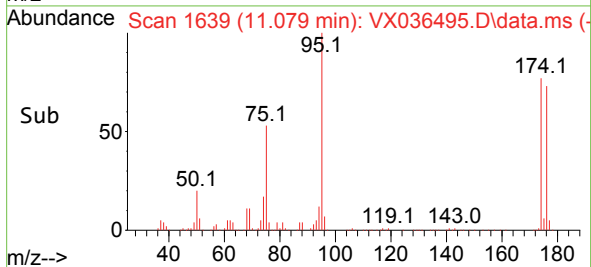
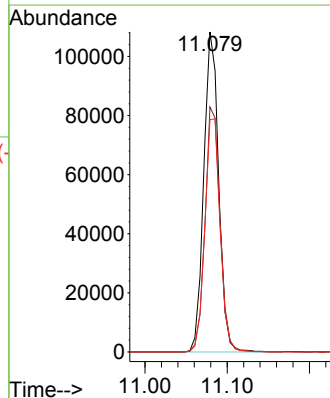
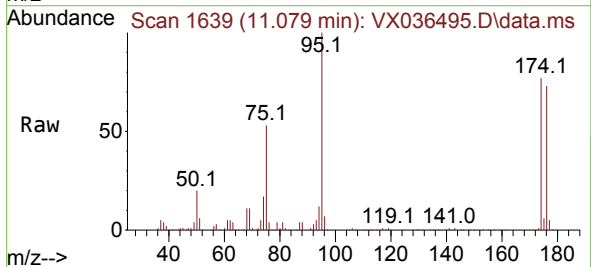
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-08-G

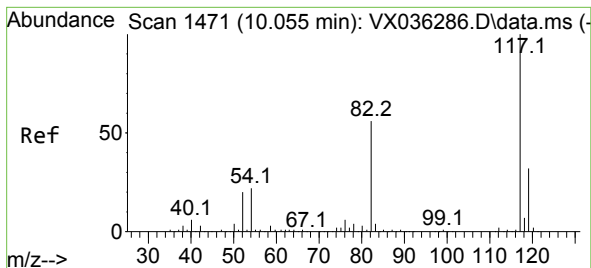
Tgt Ion: 43 Resp: 12193
Ion Ratio Lower Upper
43 100
58 21.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.011 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

Tgt Ion: 95 Resp: 136140
Ion Ratio Lower Upper
95 100
174 77.0 0.0 135.6
176 75.0 0.0 131.0

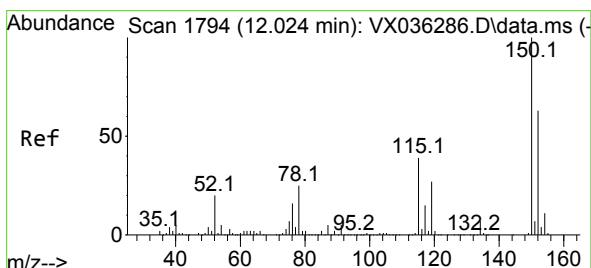
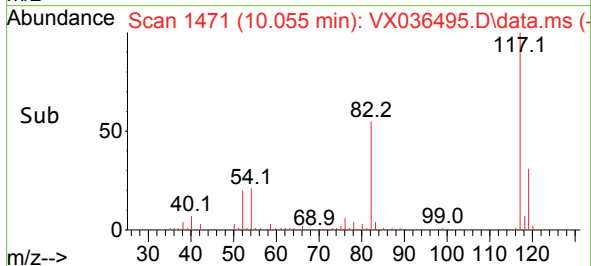
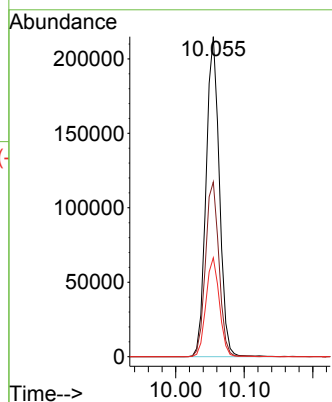
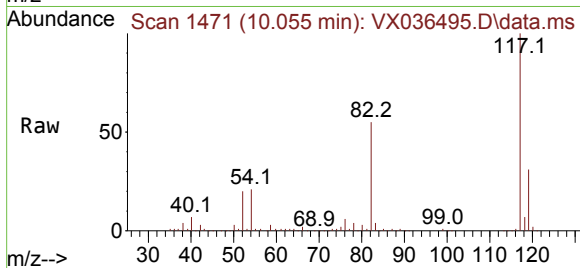




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

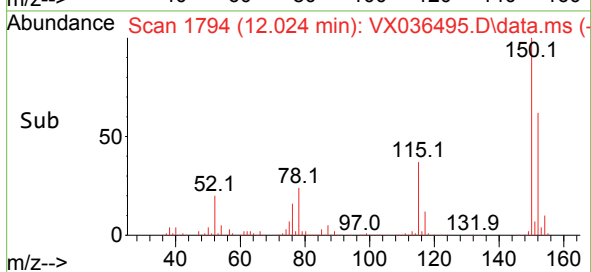
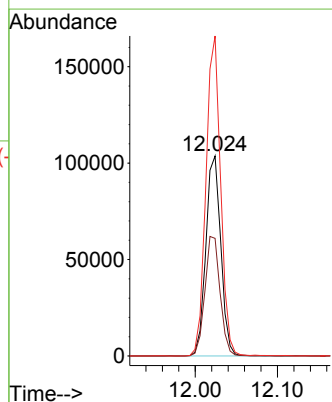
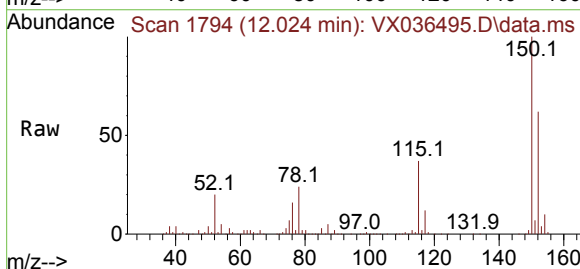
Instrument :
MSVOA_X
ClientSampleId :
WC-WWS-08-G

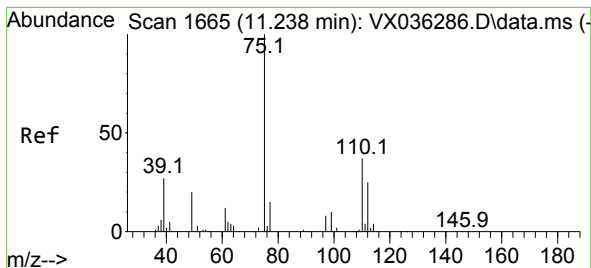
Tgt Ion:117 Resp: 289867
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 30.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036495.D
Acq: 10 Jul 2023 20:04

Tgt Ion:152 Resp: 131000
Ion Ratio Lower Upper
152 100
115 60.7 43.3 129.9
150 157.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.204 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX036495.D

Acq: 10 Jul 2023 20:04

Instrument :

MSVOA_X

ClientSampleId :

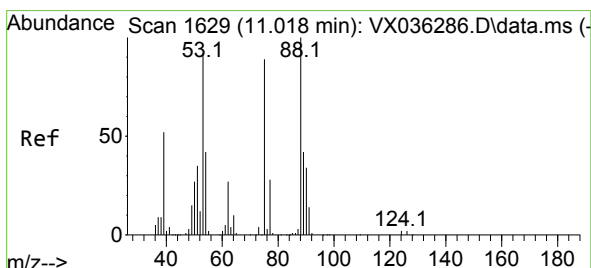
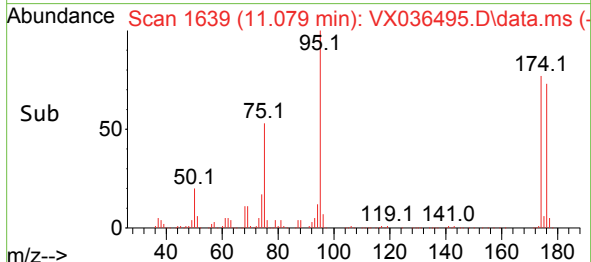
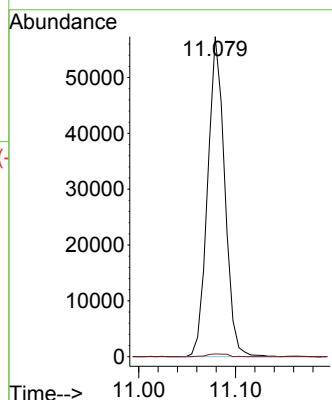
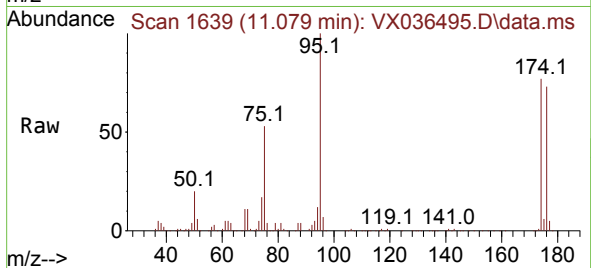
WC-WWS-08-G

Tgt Ion: 75 Resp: 70428

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.160 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036495.D

Acq: 10 Jul 2023 20:04

Tgt Ion: 75 Resp: 70428

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

