

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040323\
 Data File : VX034936.D
 Acq On : 03 Apr 2023 16:43
 Operator : JC/MD
 Sample : 02161-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-6

Quant Time: Apr 03 21:39:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

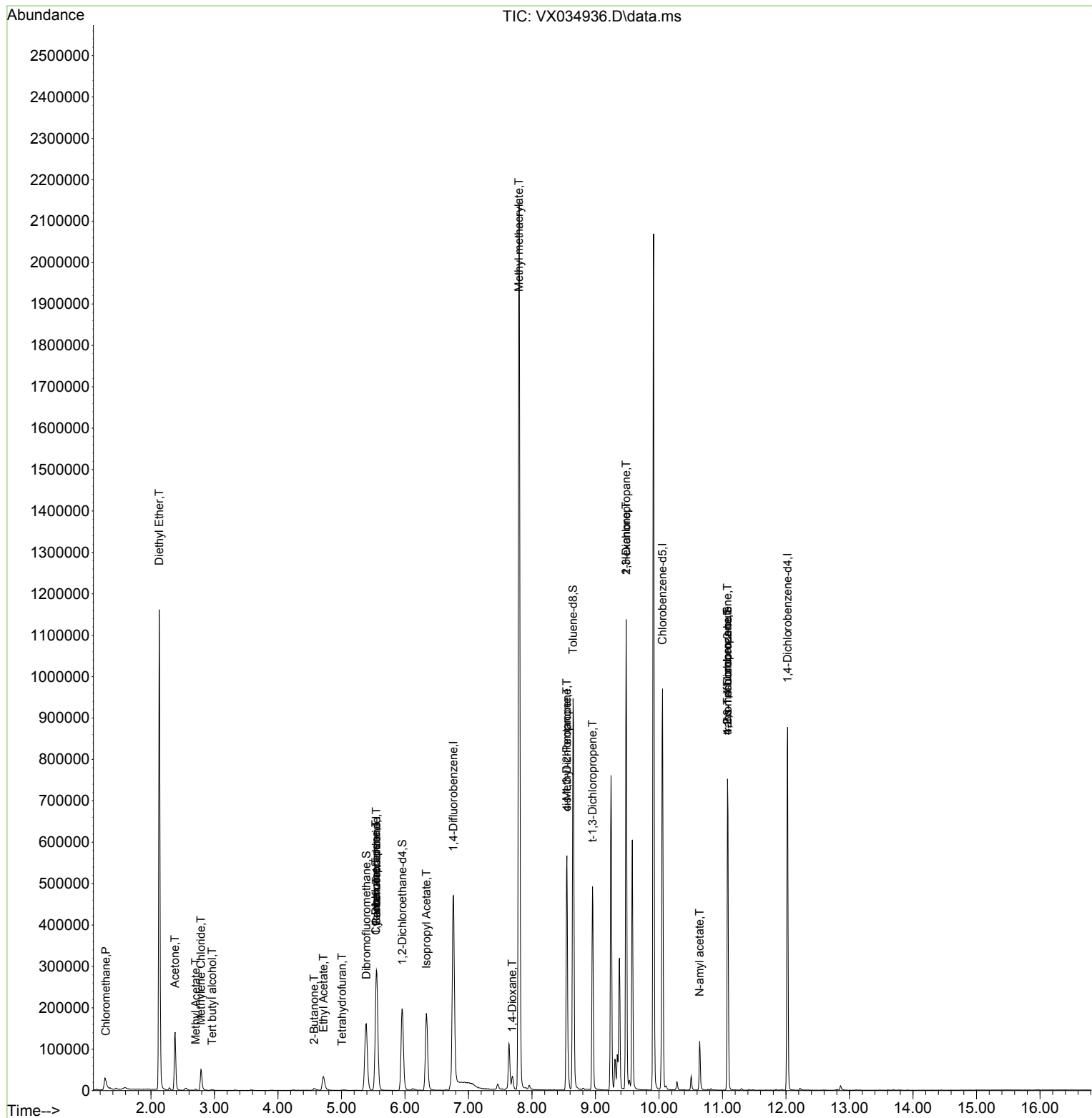
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	262646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	452118	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	406185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	199962	49.782	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.560%
35) Dibromofluoromethane	5.391	113	142404	47.620	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.240%
50) Toluene-d8	8.647	98	544529	49.333	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.660%
62) 4-Bromofluorobenzene	11.079	95	202304	47.363	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.720%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	1567	0.478	ug/l #	57
8) Diethyl Ether	2.130	74	365941	198.819	ug/l	94
11) Tert butyl alcohol	2.965	59	2617	3.713	ug/l #	85
16) Acetone	2.380	43	153132	93.845	ug/l	93
18) Methyl Acetate	2.703	43	3970	0.685	ug/l #	87
20) Methylene Chloride	2.788	84	22713	7.054	ug/l	93
25) 2-Butanone	4.568	43	9936	4.186	ug/l	98
29) Tetrahydrofuran	5.007	42	459	0.309	ug/l #	61
31) Cyclohexane	5.544	56	6530	1.335	ug/l #	31
36) 1,1-Dichloropropene	5.544	75	23065	5.206	ug/l #	50
37) Ethyl Acetate	4.715	43	63818	13.776	ug/l	99
38) Carbon Tetrachloride	5.550	117	29185	6.987	ug/l #	15
43) Isopropyl Acetate	6.336	43	258405	33.342	ug/l	99
48) Methyl methacrylate	7.793	41	197295	51.836	ug/l #	46
49) 1,4-Dioxane	7.690	88	40	0.510	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	210367	45.863	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	924	0.204	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	85173	17.177	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	9226	1.660	ug/l #	42
59) 2-Hexanone	9.482	43	136195	39.257	ug/l #	51
74) N-amyl acetate	10.640	43	34732	6.097	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	106681	30.610	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	106681	91.736	ug/l #	8

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

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Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 2023
Response via : Initial Calibration

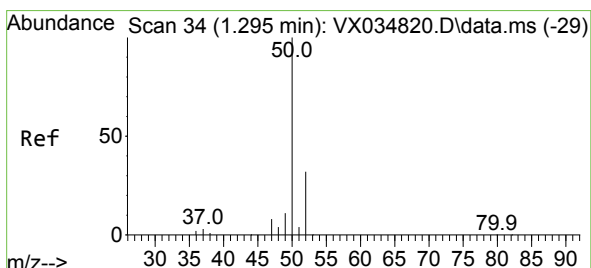
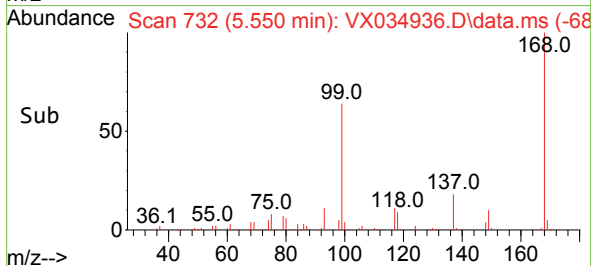
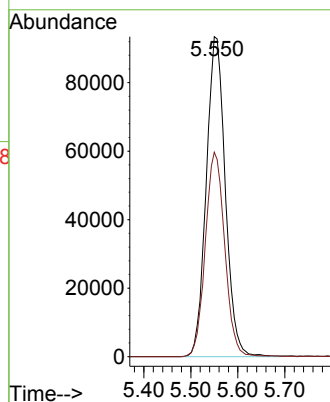
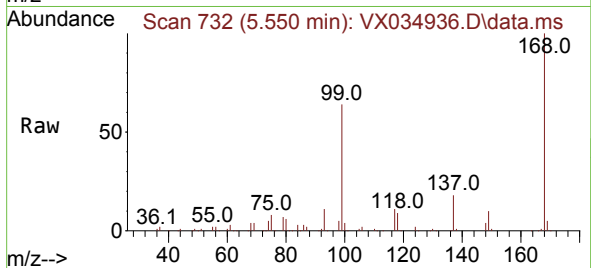




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

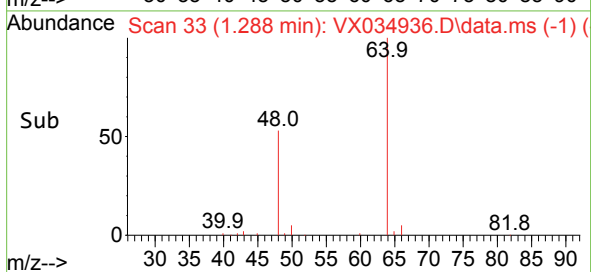
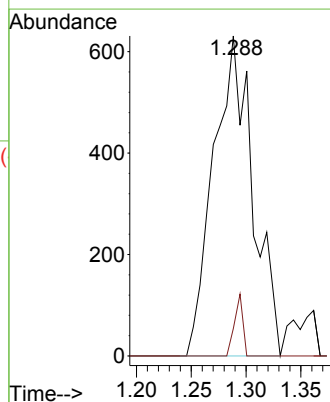
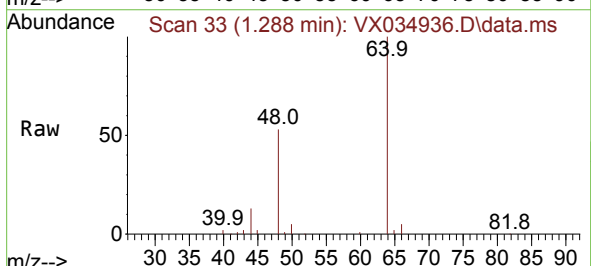
Instrument :
MSVOA_X
ClientSampleId :
WC-6

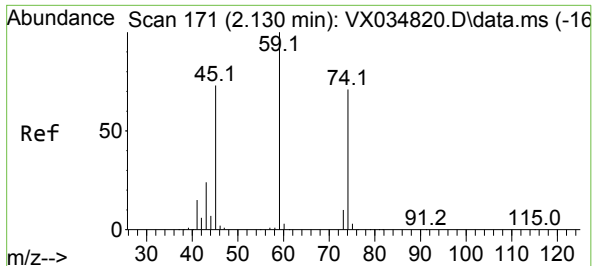
Tgt Ion:168 Resp: 262646
Ion Ratio Lower Upper
168 100
99 63.9 45.7 68.5



#3
Chloromethane
Concen: 0.478 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

Tgt Ion: 50 Resp: 1567
Ion Ratio Lower Upper
50 100
52 8.6 25.9 38.9#

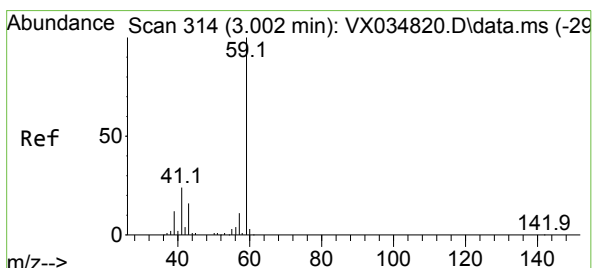
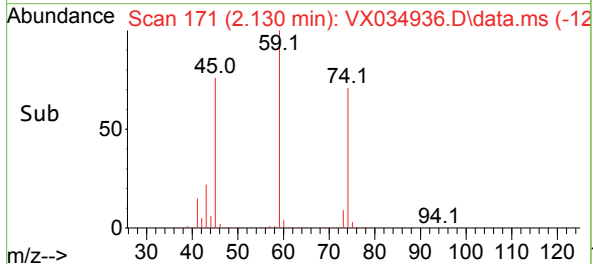
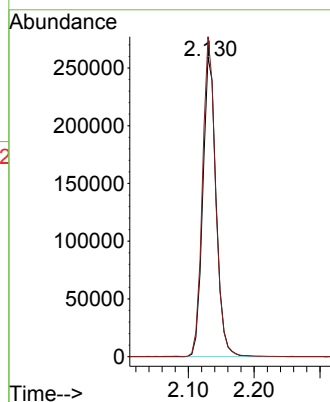
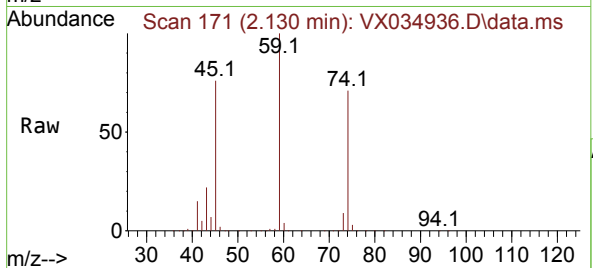




#8
Diethyl Ether
Concen: 198.819 ug/l
RT: 2.130 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

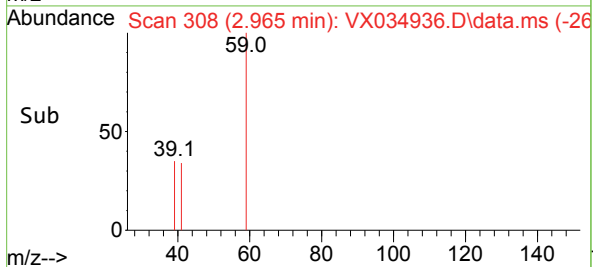
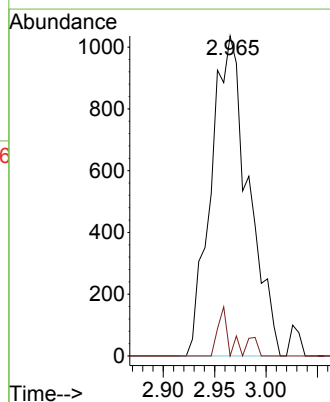
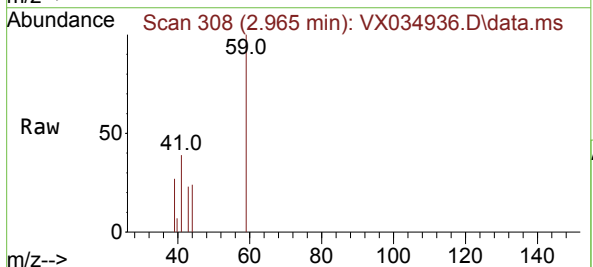
Instrument :
MSVOA_X
ClientSampleId :
WC-6

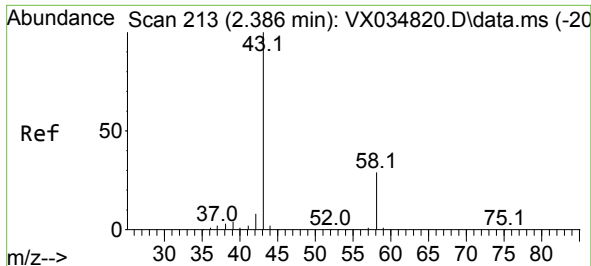
Tgt Ion: 74 Resp: 365941
Ion Ratio Lower Upper
74 100
45 105.1 49.8 149.3



#11
Tert butyl alcohol
Concen: 3.713 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.037 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

Tgt Ion: 59 Resp: 2617
Ion Ratio Lower Upper
59 100
57 4.4 8.1 12.1#

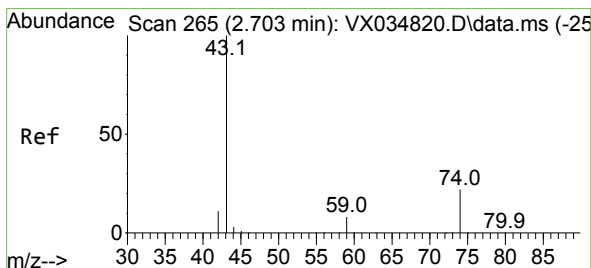
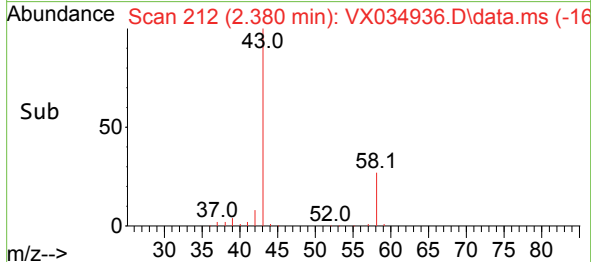
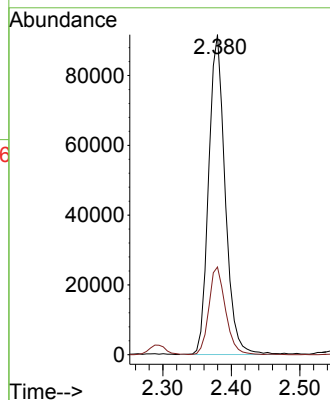
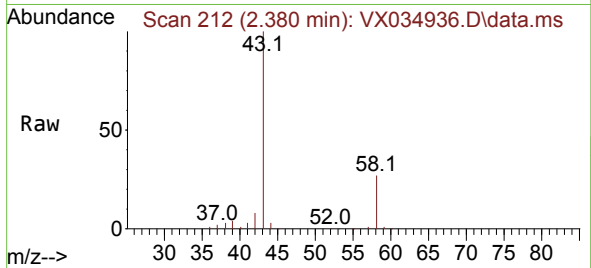




#16
Acetone
Concen: 93.845 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

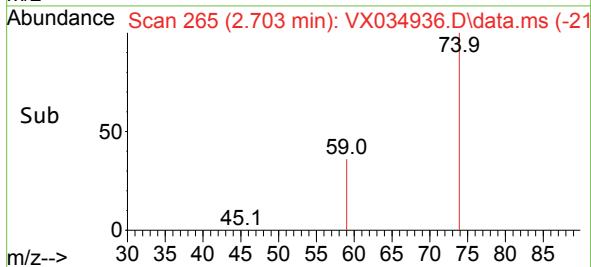
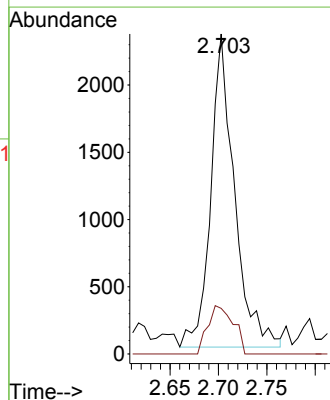
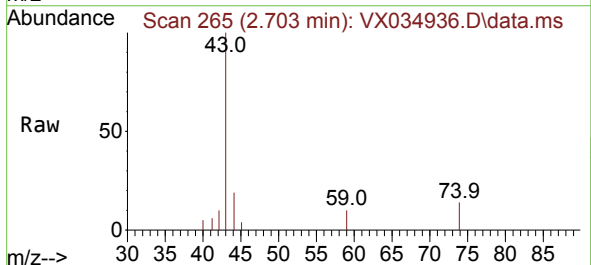
Instrument :
MSVOA_X
ClientSampleId :
WC-6

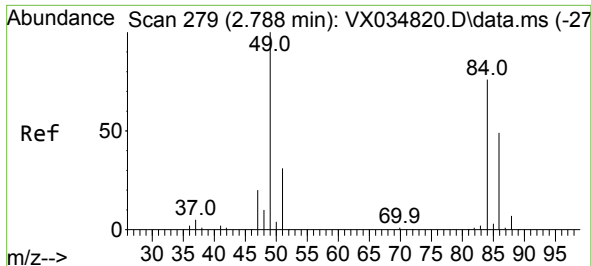
Tgt Ion: 43 Resp: 153132
Ion Ratio Lower Upper
43 100
58 27.3 24.7 37.1



#18
Methyl Acetate
Concen: 0.685 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

Tgt Ion: 43 Resp: 3970
Ion Ratio Lower Upper
43 100
74 16.7 18.3 27.5#

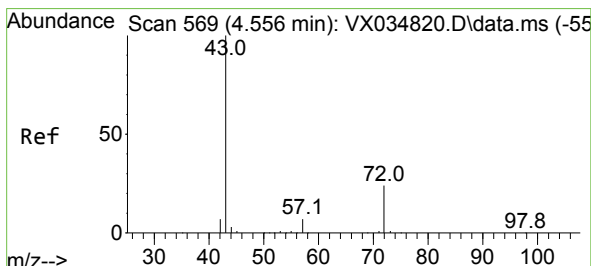
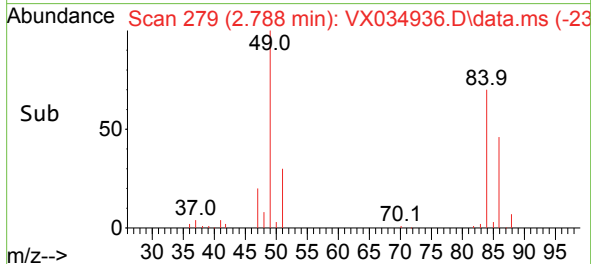
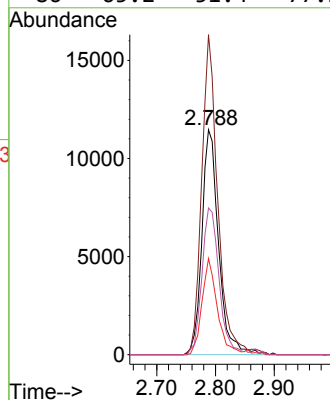
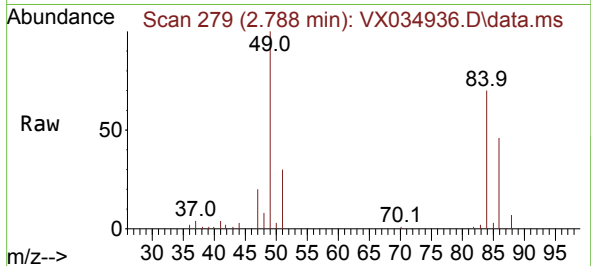




#20
Methylene Chloride
Concen: 7.054 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

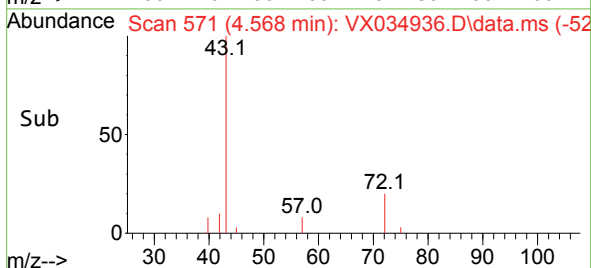
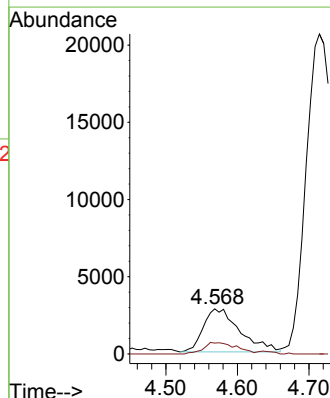
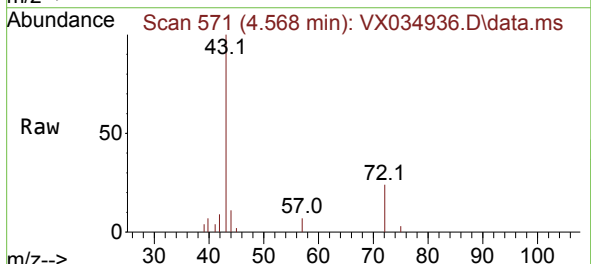
Instrument :
MSVOA_X
ClientSampleId :
WC-6

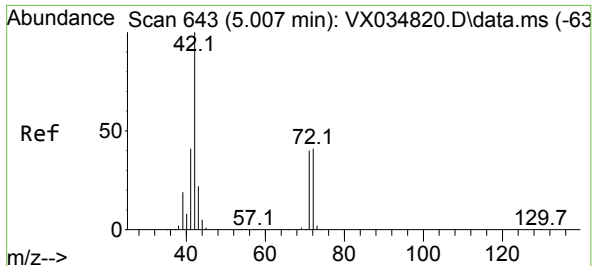
Tgt Ion:	84	Resp:	22713
Ion	Ratio	Lower	Upper
84	100		
49	142.2	103.8	155.8
51	42.8	31.8	47.8
86	65.2	51.4	77.2



#25
2-Butanone
Concen: 4.186 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

Tgt Ion:	43	Resp:	9936
Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.309 ug/l

RT: 5.007 min Scan# 643

Delta R.T. 0.000 min

Lab File: VX034936.D

Acq: 03 Apr 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

WC-6

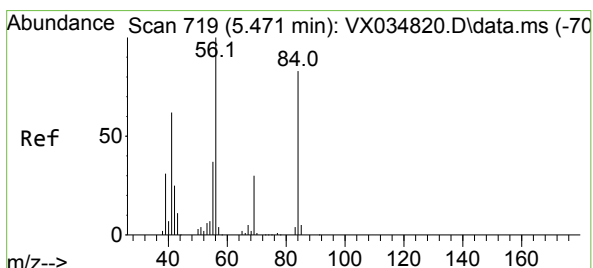
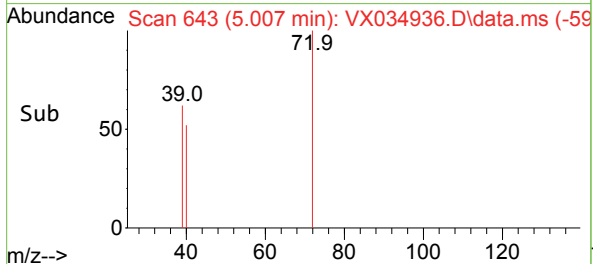
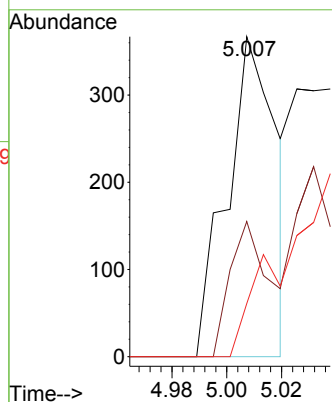
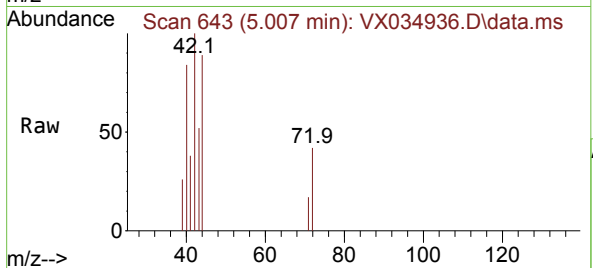
Tgt Ion: 42 Resp: 459

Ion Ratio Lower Upper

42 100

72 34.0 34.5 51.7#

71 0.0 32.1 48.1#



#31

Cyclohexane

Concen: 1.335 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX034936.D

Acq: 03 Apr 2023 16:43

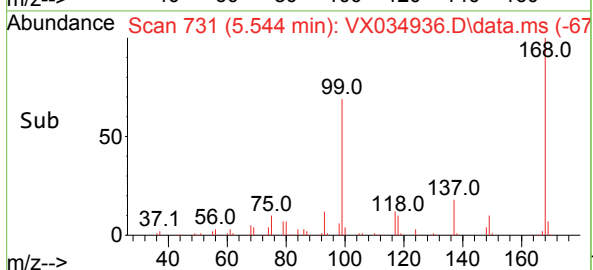
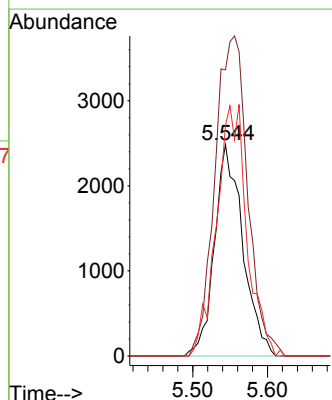
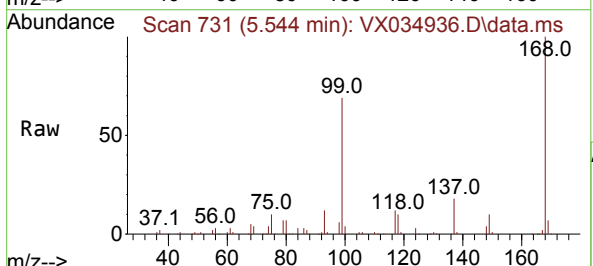
Tgt Ion: 56 Resp: 6530

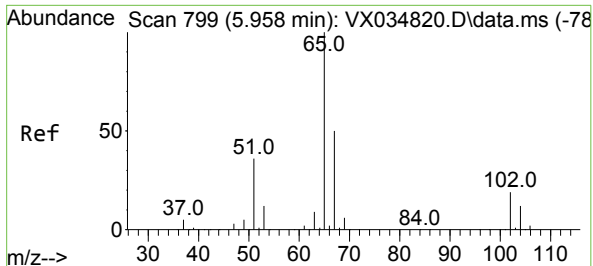
Ion Ratio Lower Upper

56 100

69 135.4 23.7 35.5#

84 109.0 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 49.782 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX034936.D

Acq: 03 Apr 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

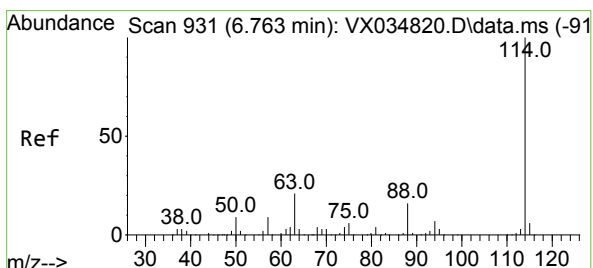
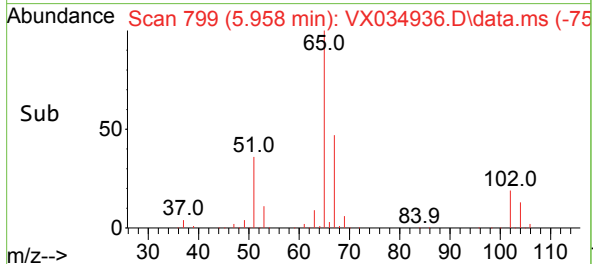
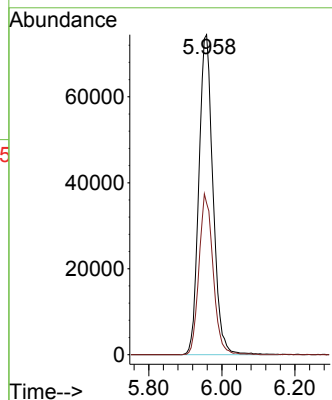
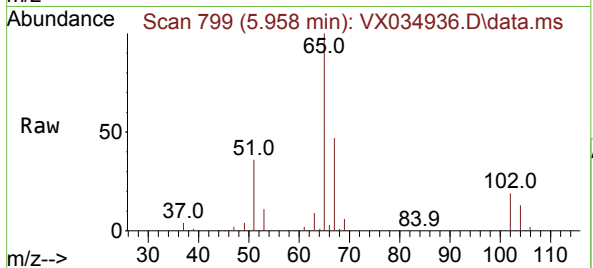
WC-6

Tgt Ion: 65 Resp: 199962

Ion Ratio Lower Upper

65 100

67 50.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX034936.D

Acq: 03 Apr 2023 16:43

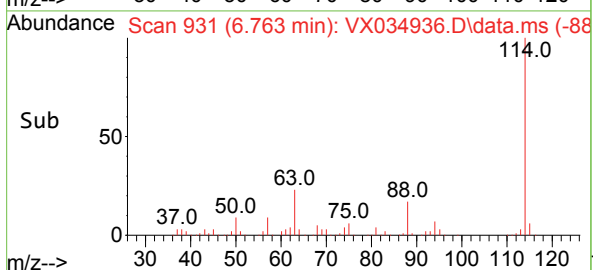
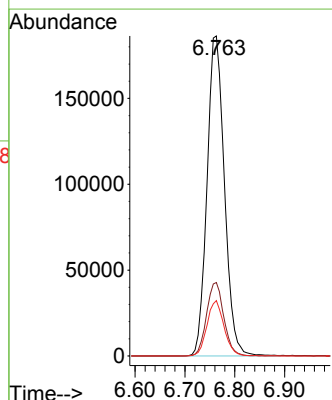
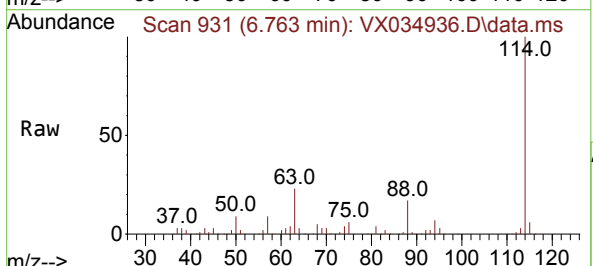
Tgt Ion: 114 Resp: 452118

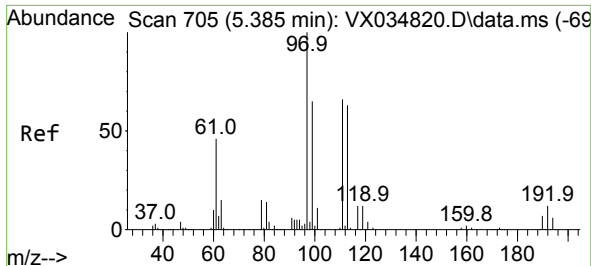
Ion Ratio Lower Upper

114 100

63 23.0 0.0 42.2

88 17.3 0.0 33.2

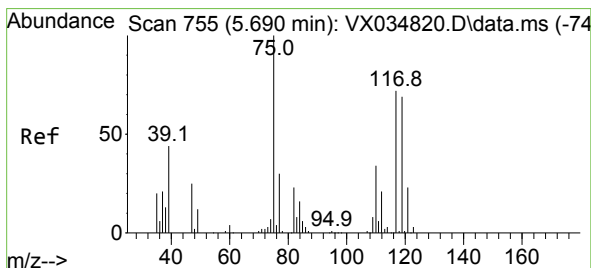
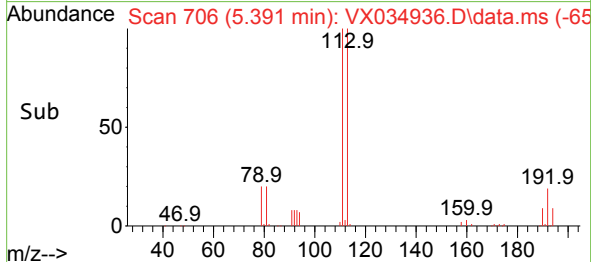
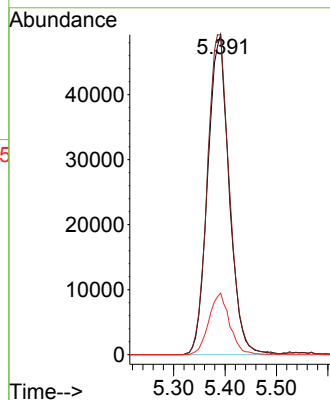
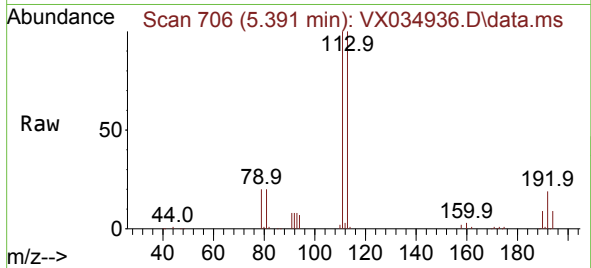




#35
Dibromofluoromethane
Concen: 47.620 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

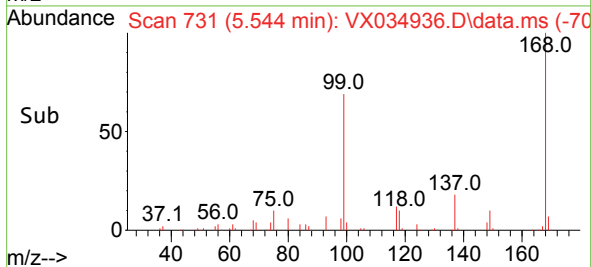
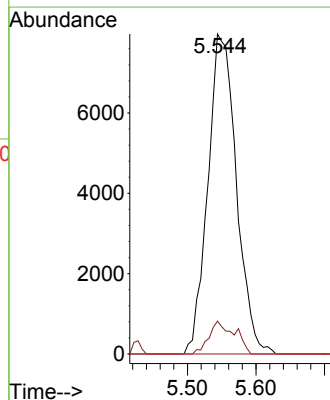
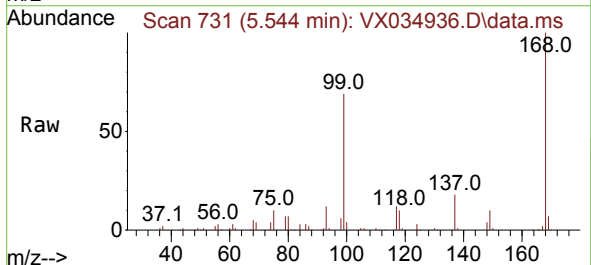
Instrument :
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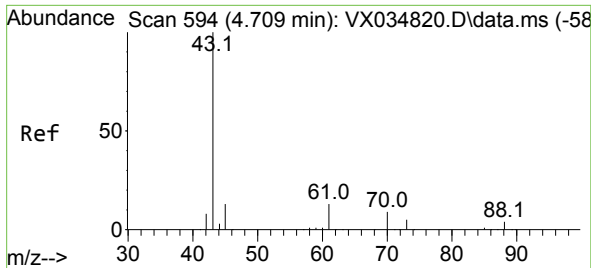
Tgt Ion:113 Resp: 142404
Ion Ratio Lower Upper
113 100
111 103.1 83.7 125.5
192 18.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.206 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

Tgt Ion: 75 Resp: 23065
Ion Ratio Lower Upper
75 100
110 9.2 17.5 52.5#
77 0.0 24.3 36.5#

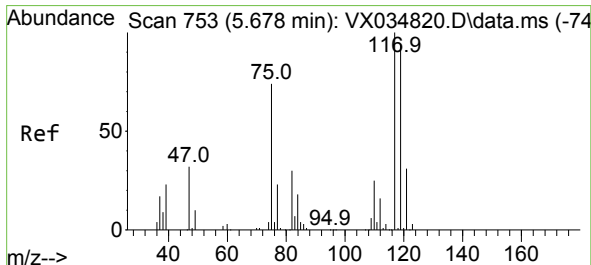
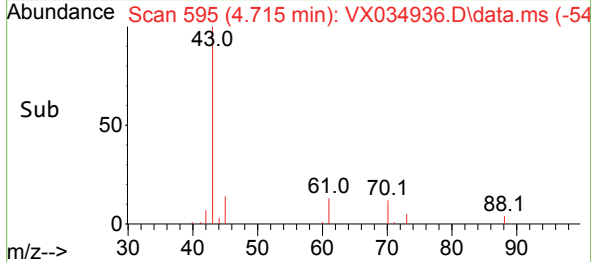
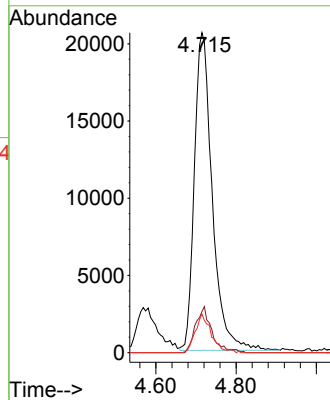
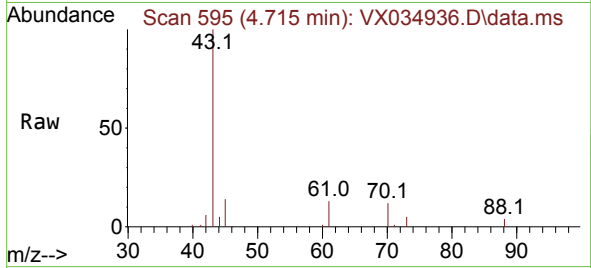




#37
Ethyl Acetate
Concen: 13.776 ug/l
RT: 4.715 min Scan# 594
Delta R.T. 0.006 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

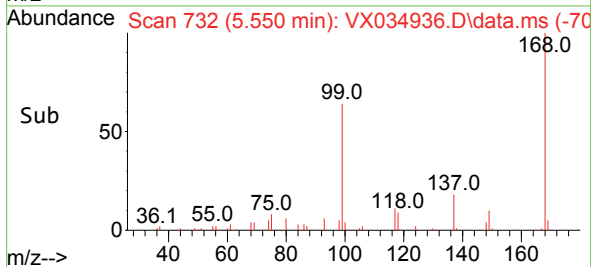
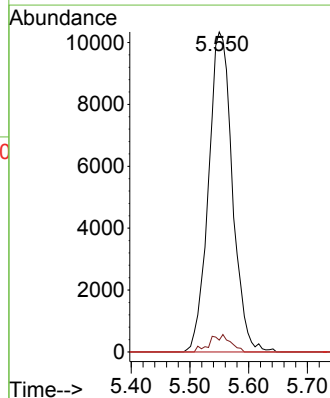
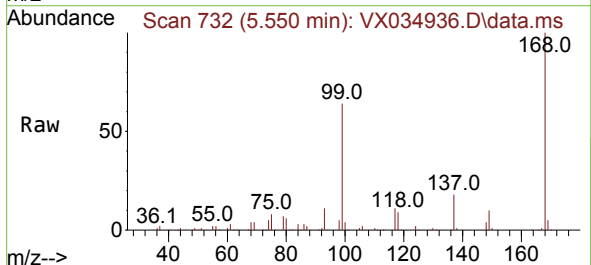
Instrument :
MSVOA_X
ClientSampleId :
WC-6

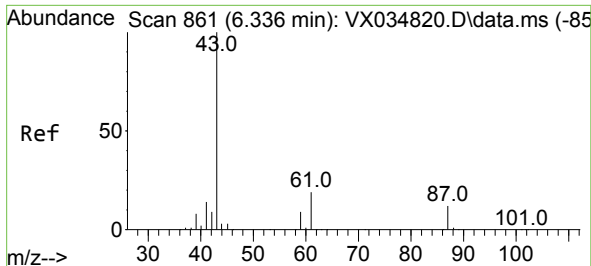
Tgt Ion:	43	Resp:	63818
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.4
70	10.9	8.2	12.4



#38
Carbon Tetrachloride
Concen: 6.987 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

Tgt Ion:	117	Resp:	29185
Ion	Ratio	Lower	Upper
117	100		
119	3.7	76.6	114.8#
121	0.0	23.8	35.6#

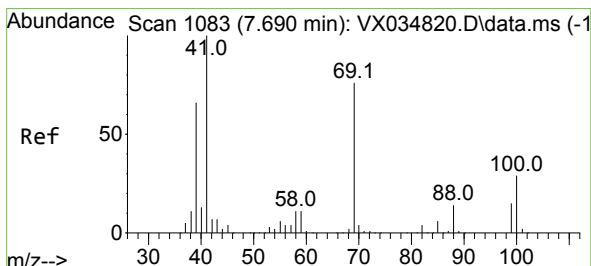
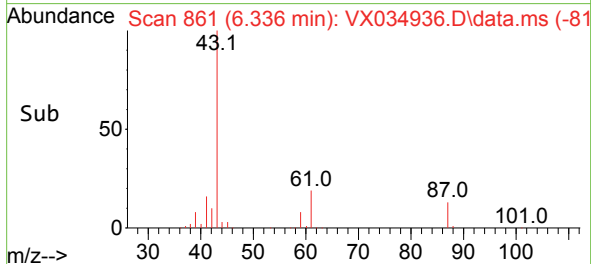
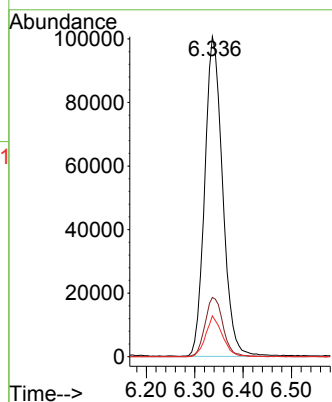
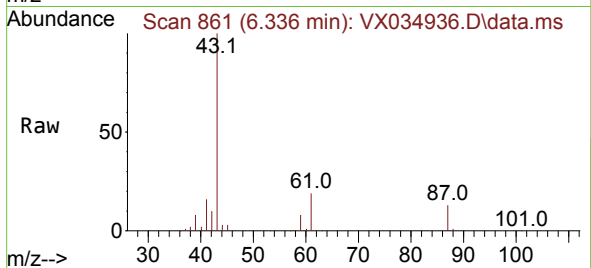




#43
Isopropyl Acetate
Concen: 33.342 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

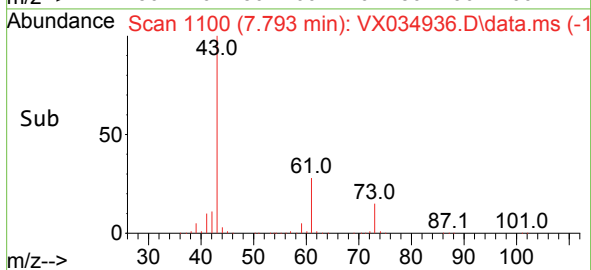
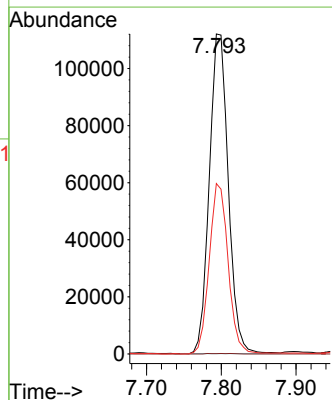
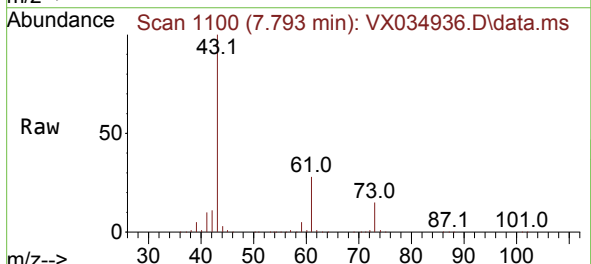
Instrument :
MSVOA_X
ClientSampleId :
WC-6

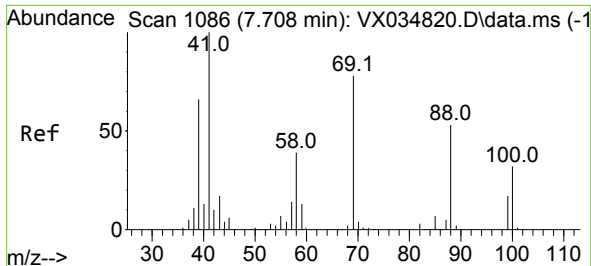
Tgt Ion: 43 Resp: 258405
Ion Ratio Lower Upper
43 100
61 18.7 15.2 22.8
87 11.9 9.8 14.8



#48
Methyl methacrylate
Concen: 51.836 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

Tgt Ion: 41 Resp: 197295
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 53.2 47.7 71.5





#49

1,4-Dioxane

Concen: 0.510 ug/l

RT: 7.690 min Scan# 1086

Delta R.T. -0.018 min

Lab File: VX034936.D

Acq: 03 Apr 2023 16:43

Instrument :

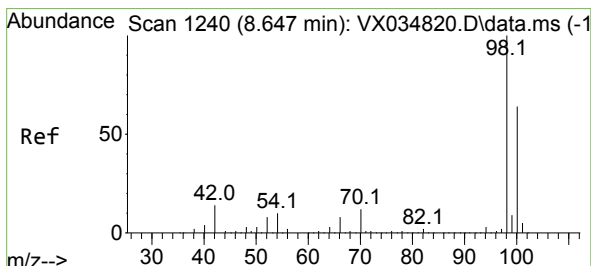
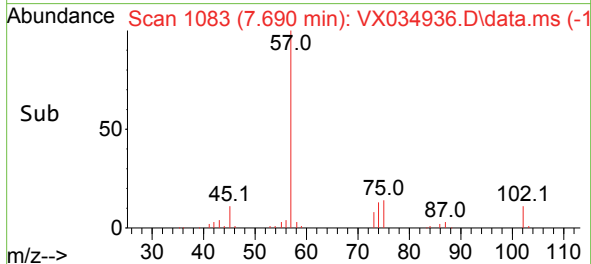
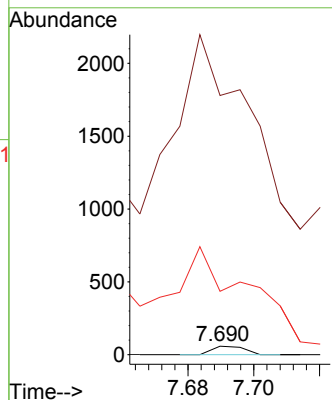
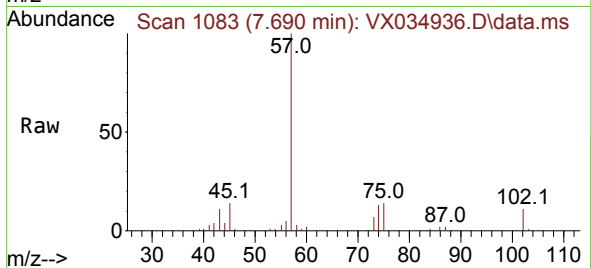
MSVOA_X

ClientSampleId :

WC-6

Tgt Ion: 88 Resp: 40

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	3250.0	56.8	85.2#



#50

Toluene-d8

Concen: 49.333 ug/l

RT: 8.647 min Scan# 1240

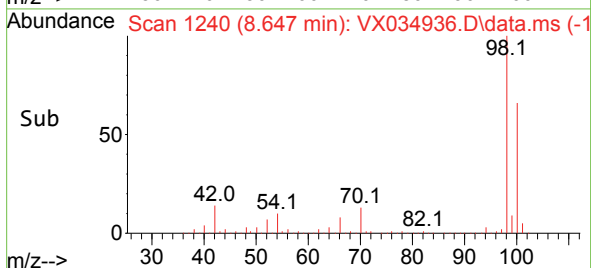
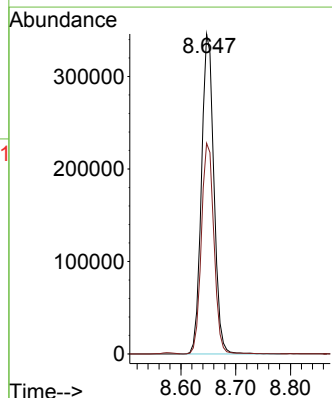
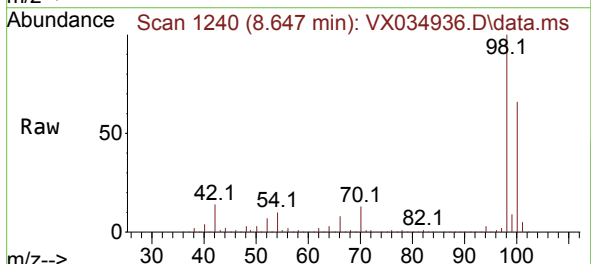
Delta R.T. 0.000 min

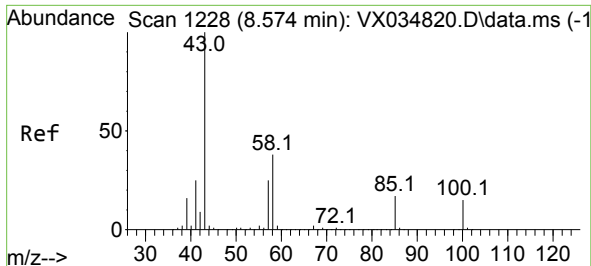
Lab File: VX034936.D

Acq: 03 Apr 2023 16:43

Tgt Ion: 98 Resp: 544529

Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.5	78.7





#51

4-Methyl-2-Pentanone

Concen: 45.863 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX034936.D

Acq: 03 Apr 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

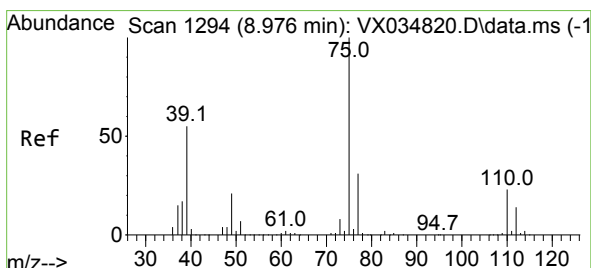
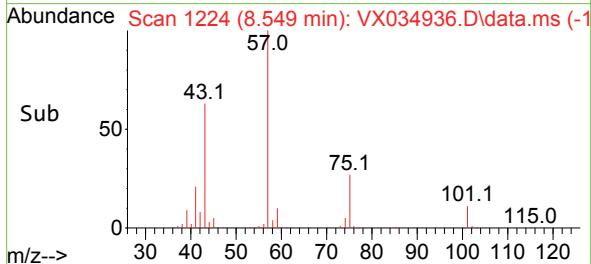
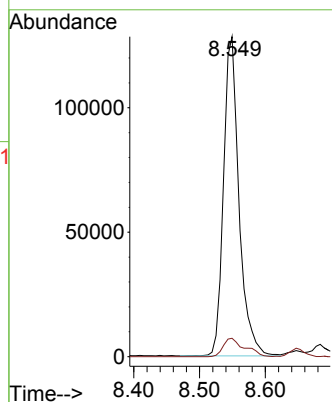
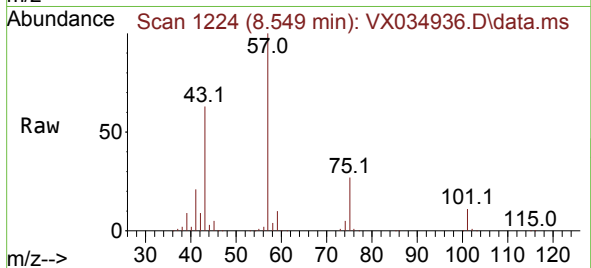
WC-6

Tgt Ion: 43 Resp: 210367

Ion Ratio Lower Upper

43 100

58 8.0 30.6 46.0#



#53

t-1,3-Dichloropropene

Concen: 0.204 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX034936.D

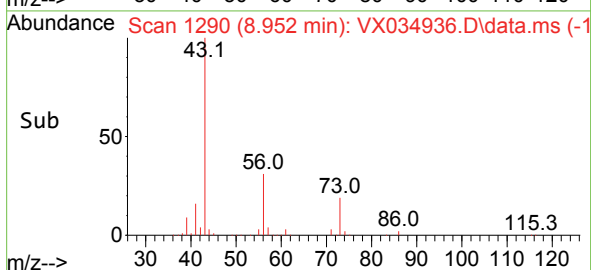
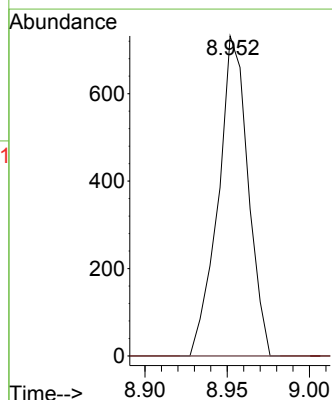
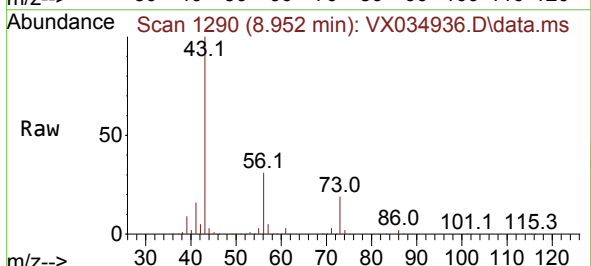
Acq: 03 Apr 2023 16:43

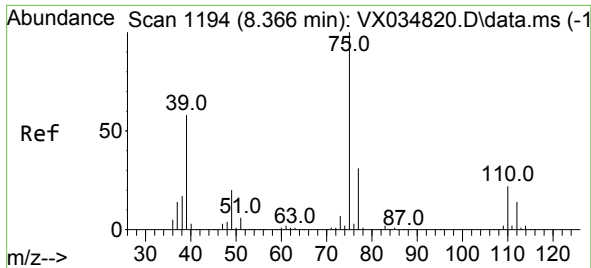
Tgt Ion: 75 Resp: 924

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

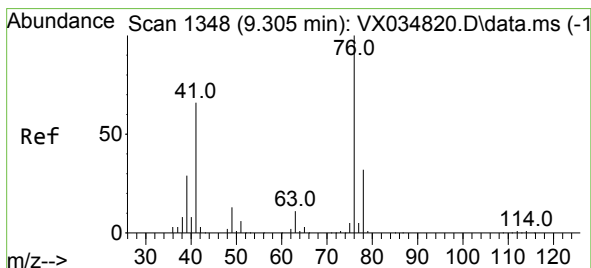
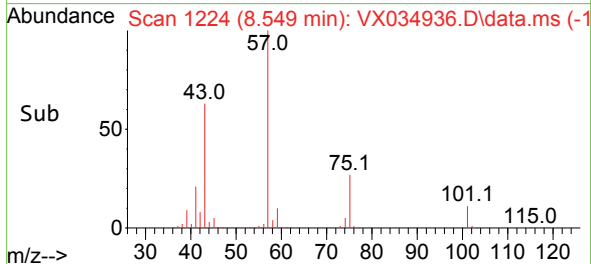
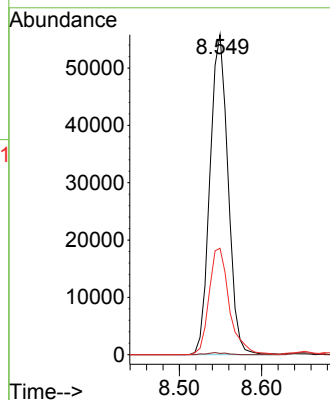
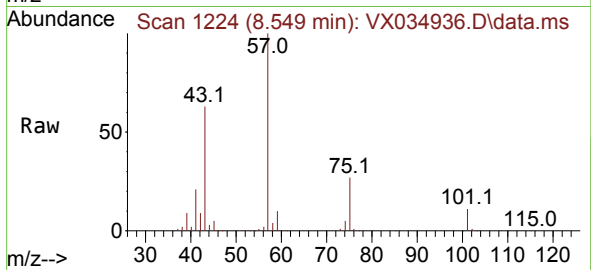




#54
 cis-1,3-Dichloropropene
 Concen: 17.177 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034936.D
 Acq: 03 Apr 2023 16:43

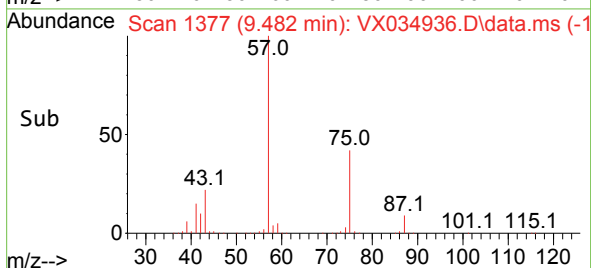
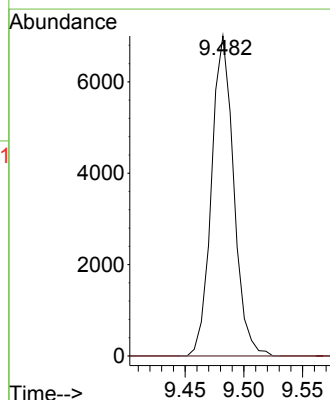
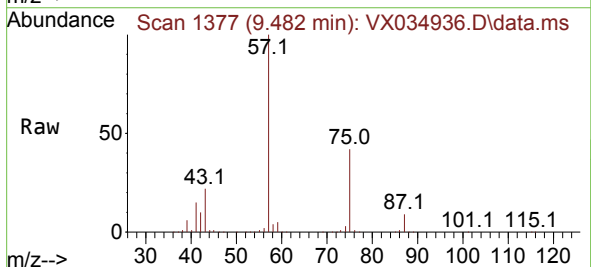
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-6

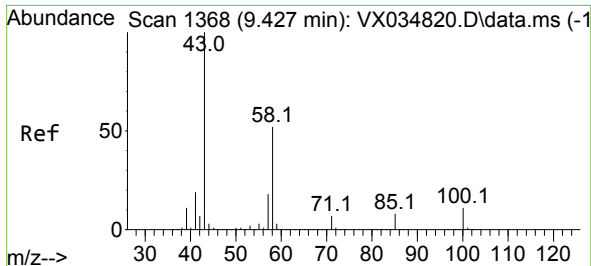
Tgt Ion: 75 Resp: 85173
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 33.3 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.660 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034936.D
 Acq: 03 Apr 2023 16:43

Tgt Ion: 76 Resp: 9226
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

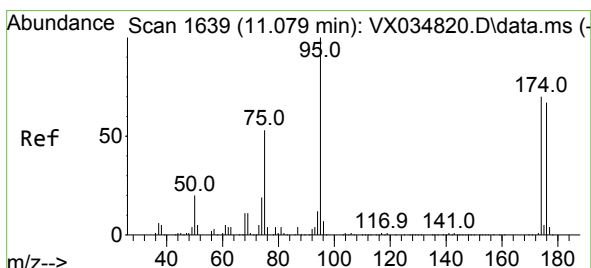
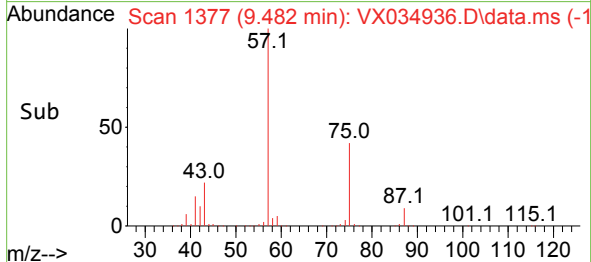
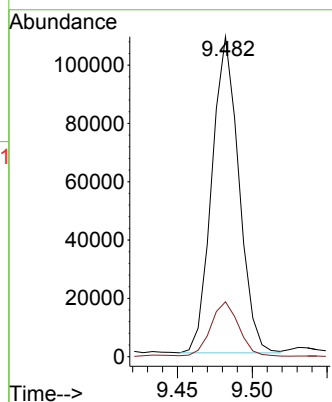
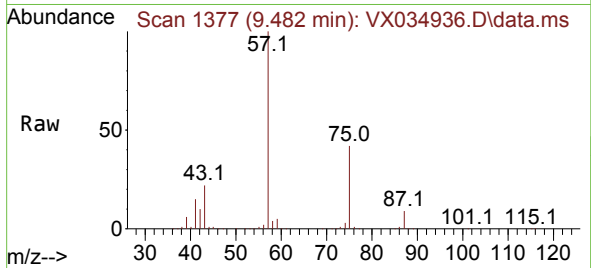




#59
2-Hexanone
Concen: 39.257 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

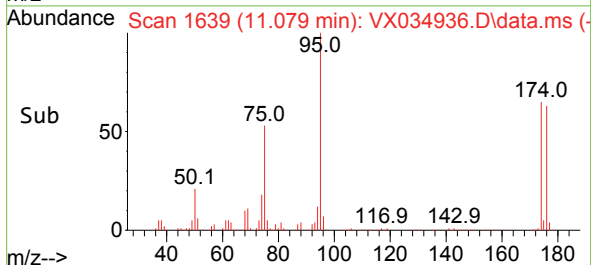
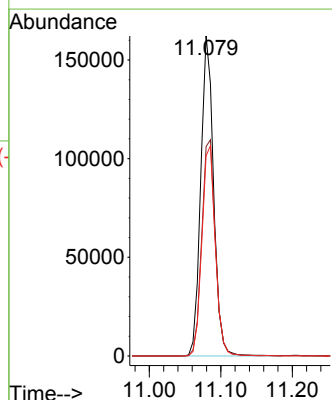
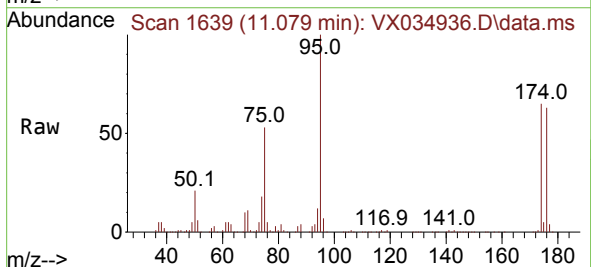
Instrument :
MSVOA_X
ClientSampleId :
WC-6

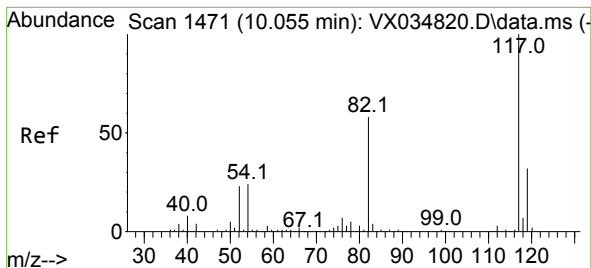
Tgt Ion: 43 Resp: 136195
Ion Ratio Lower Upper
43 100
58 18.3 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 47.363 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

Tgt Ion: 95 Resp: 202304
Ion Ratio Lower Upper
95 100
174 71.6 0.0 147.4
176 68.6 0.0 140.6

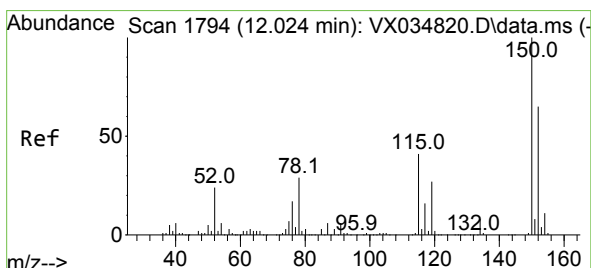
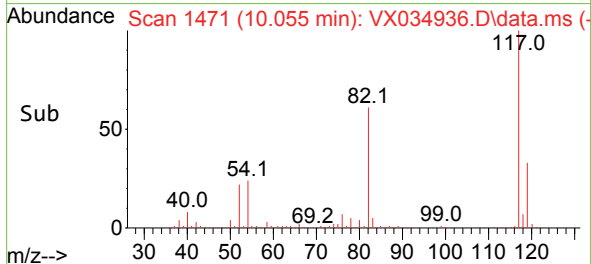
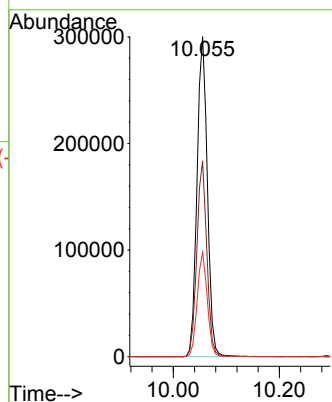
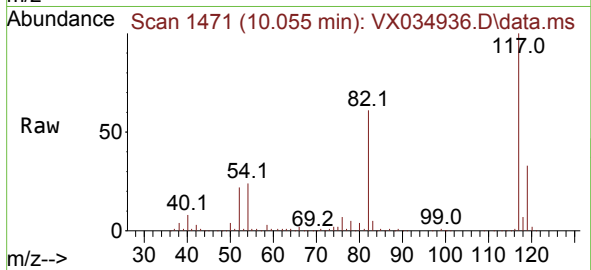




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

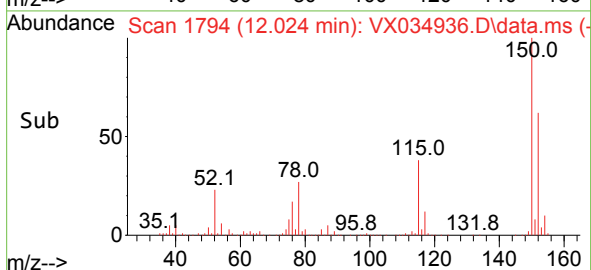
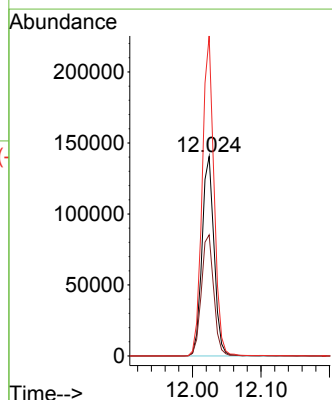
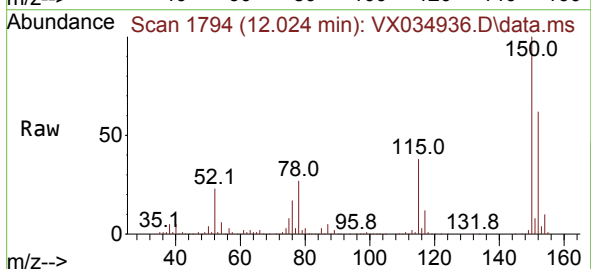
Instrument :
MSVOA_X
ClientSampleId :
WC-6

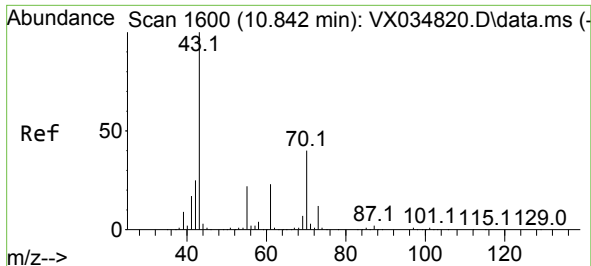
Tgt Ion:117 Resp: 406185
Ion Ratio Lower Upper
117 100
82 61.2 45.0 67.4
119 32.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

Tgt Ion:152 Resp: 172967
Ion Ratio Lower Upper
152 100
115 62.4 45.0 135.0
150 156.7 0.0 352.4

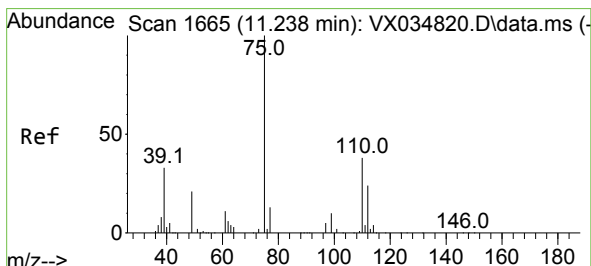
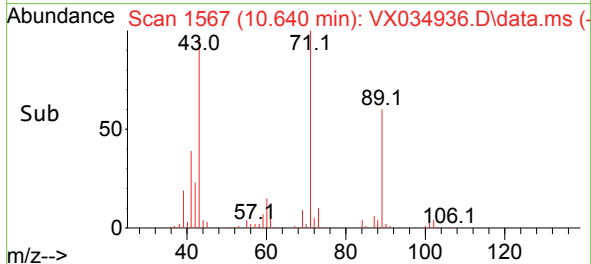
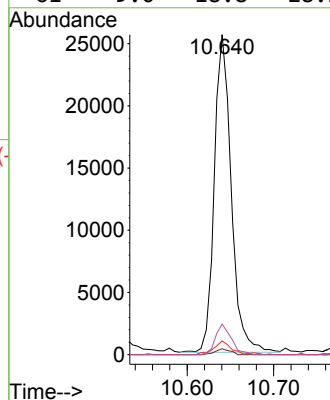
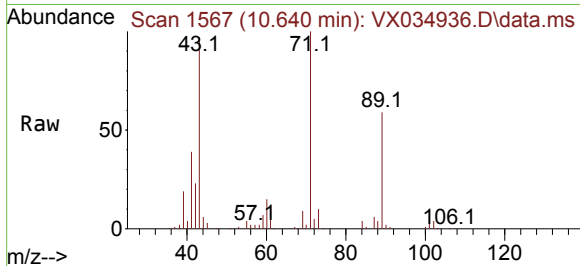




#74
N-amy1 acetate
Concen: 6.097 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.202 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

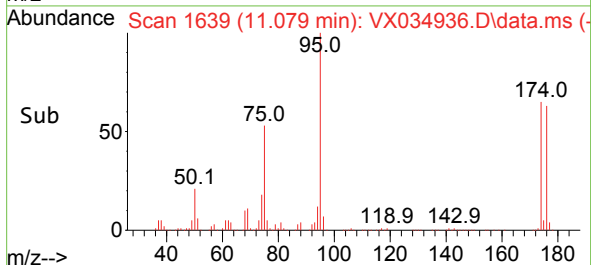
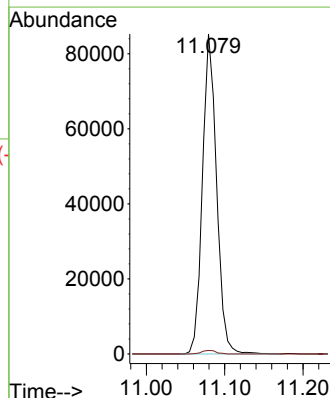
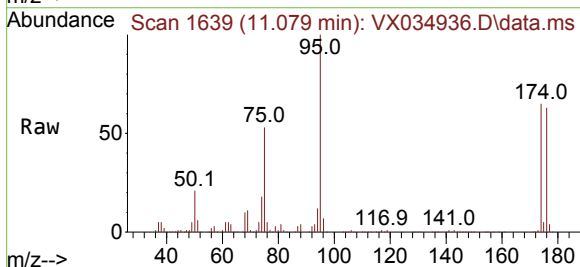
Instrument :
MSVOA_X
ClientSampleId :
WC-6

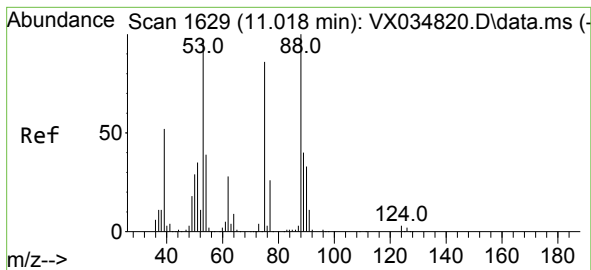
Tgt Ion:	43	Resp:	34732
Ion	Ratio	Lower	Upper
43	100		
70	1.6	32.1	48.1#
55	4.3	18.3	27.5#
61	9.0	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 30.610 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034936.D
Acq: 03 Apr 2023 16:43

Tgt Ion:	75	Resp:	106681
Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.6	64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.736 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034936.D
 Acq: 03 Apr 2023 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-6

Tgt Ion: 75 Resp: 106681
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

