

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071624\
 Data File : VN082948.D
 Acq On : 16 Jul 2024 20:29
 Operator : JC\MD
 Sample : P3246-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-CTW2-BL-05

Quant Time: Jul 17 01:01:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

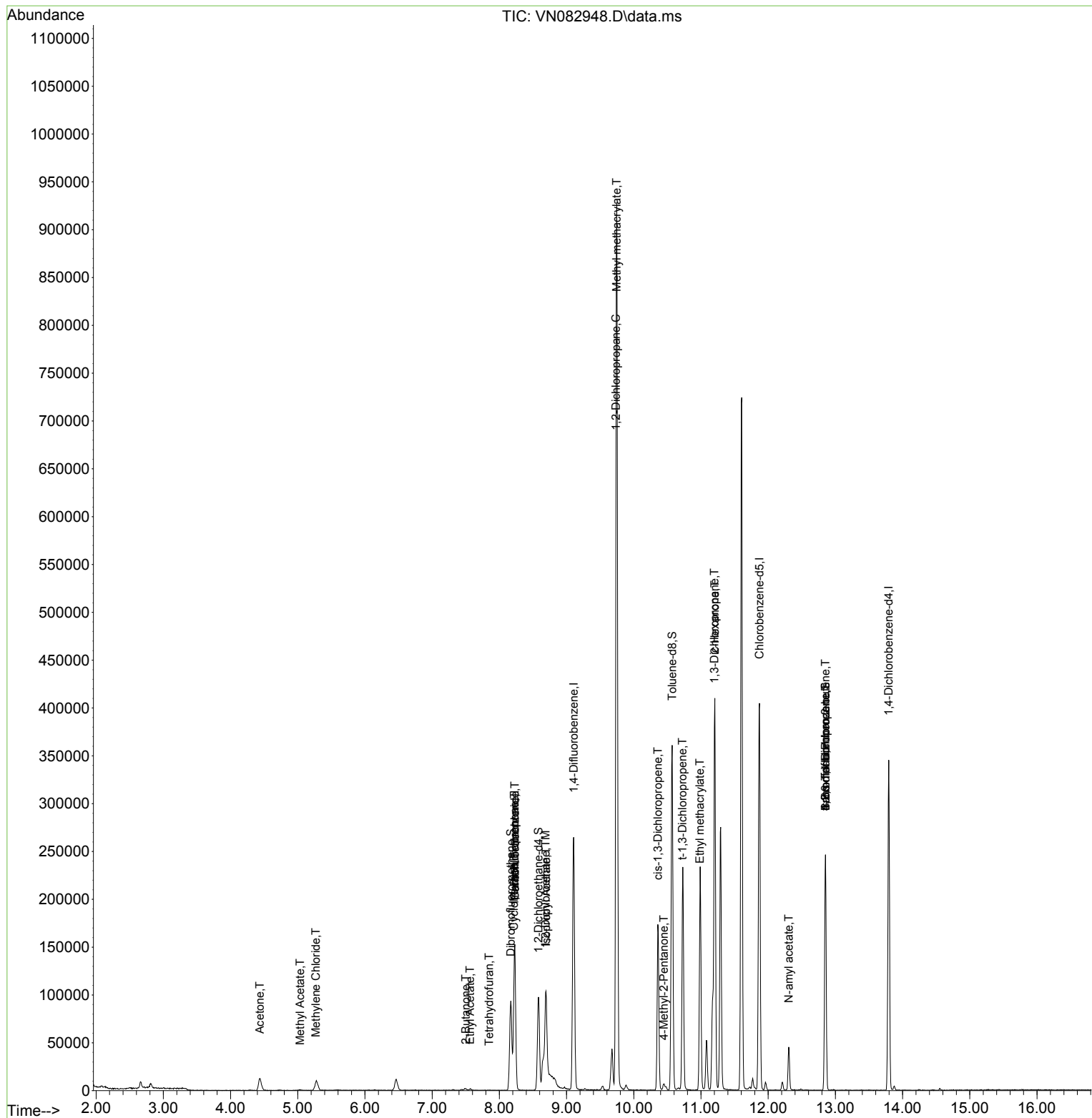
Internal Standards						
1) Pentafluorobenzene	8.229	168	104304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	218780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	229846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	89795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	81701	55.878	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.760%			
35) Dibromofluoromethane	8.171	113	66709	47.518	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	10.571	98	241858	46.645	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.280%			
62) 4-Bromofluorobenzene	12.853	95	79198	42.522	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 85.040%			
Target Compounds					Qvalue	
16) Acetone	4.436	43	25082	48.724	ug/l	91
18) Methyl Acetate	5.036	43	1290	0.947	ug/l #	56
20) Methylene Chloride	5.271	84	7554	6.076	ug/l #	78
25) 2-Butanone	7.500	43	3665	4.715	ug/l #	75
29) Tetrahydrofuran	7.847	42	126	0.257	ug/l #	38
31) Cyclohexane	8.218	56	2569	1.344	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	9336	4.823	ug/l #	49
37) Ethyl Acetate	7.565	43	2449	1.243	ug/l #	80
38) Carbon Tetrachloride	8.229	117	11078	4.754	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	539	0.251	ug/l #	78
43) Isopropyl Acetate	8.694	43	164032	43.777	ug/l #	81
45) 1,2-Dichloropropane	9.735	63	1107	0.796	ug/l #	44
48) Methyl methacrylate	9.747	41	87977	56.938	ug/l #	51
51) 4-Methyl-2-Pentanone	10.447	43	4198	2.149	ug/l	92
53) t-1,3-Dichloropropene	10.723	75	505	0.219	ug/l #	23
54) cis-1,3-Dichloropropene	10.359	75	28843	11.822	ug/l #	68
56) Ethyl methacrylate	10.982	69	1320	0.620	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4194	1.732	ug/l #	43
59) 2-Hexanone	11.206	43	47239	32.524	ug/l #	63
71) Bromoform	12.853	173	715	0.519	ug/l #	1
74) N-amyl acetate	12.306	43	13989	5.183	ug/l #	56
76) 1,2,3-Trichloropropane	12.853	75	45293	29.257	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	45293	57.540	ug/l #	6

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

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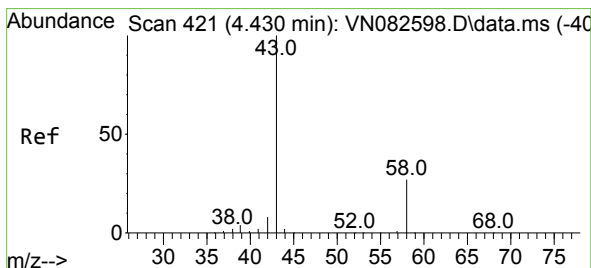
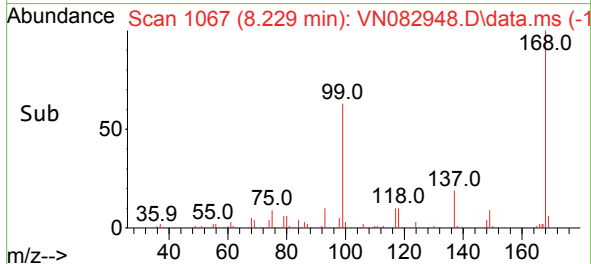
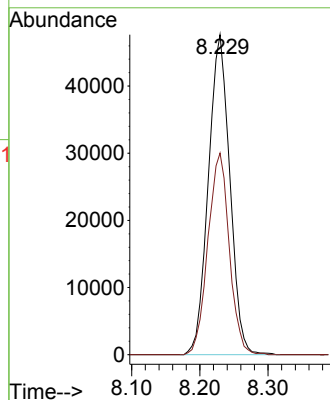
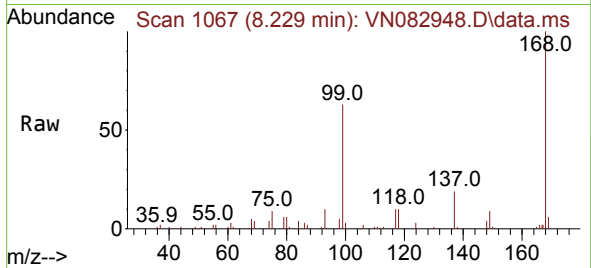




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

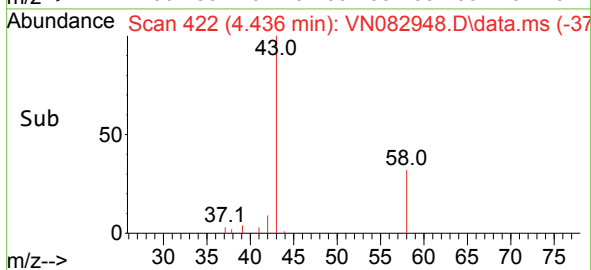
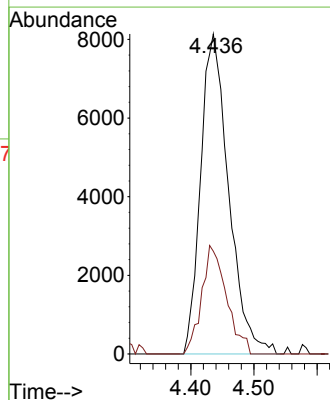
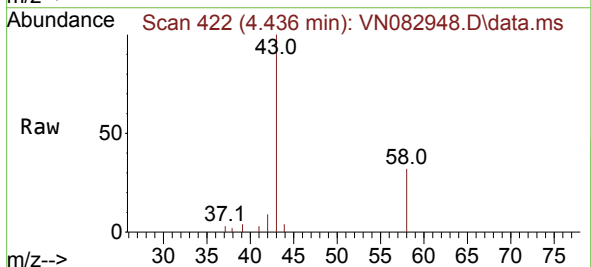
Instrument :
MSVOA_N
ClientSampleId :
WC-CTW2-BL-05

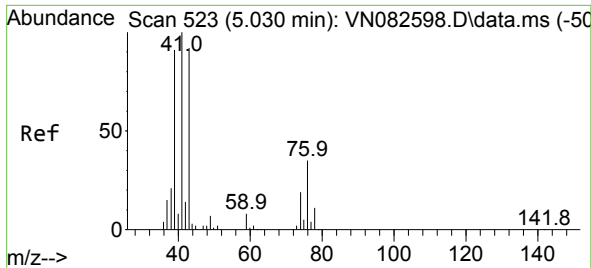
Tgt Ion:168 Resp: 104304
Ion Ratio Lower Upper
168 100
99 63.0 48.2 72.4



#16
Acetone
Concen: 48.724 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Tgt Ion: 43 Resp: 25082
Ion Ratio Lower Upper
43 100
58 32.1 21.8 32.6

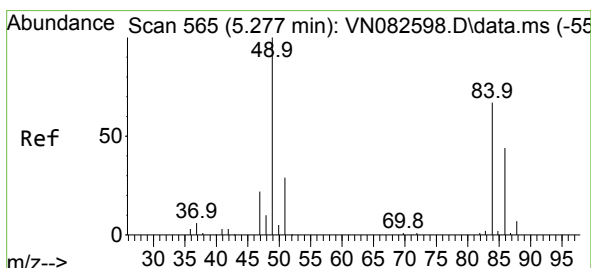
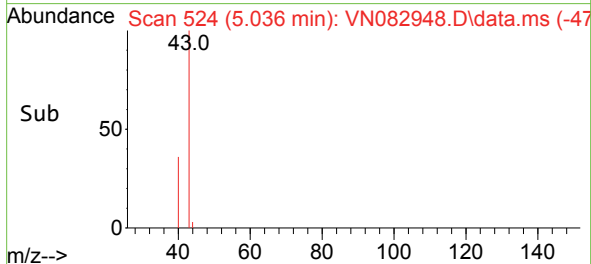
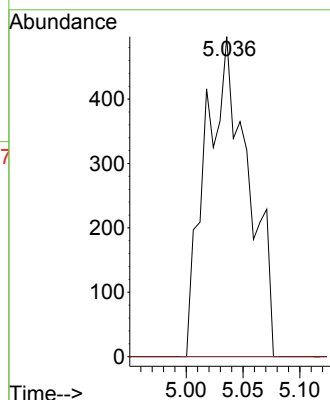
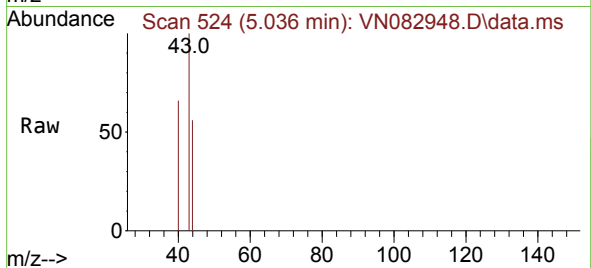




#18
Methyl Acetate
Concen: 0.947 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

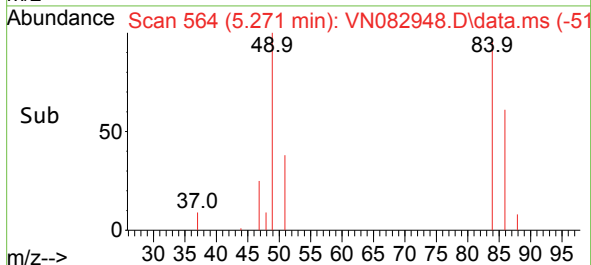
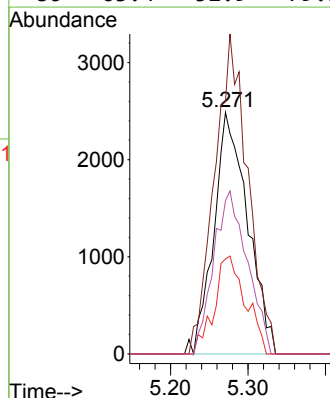
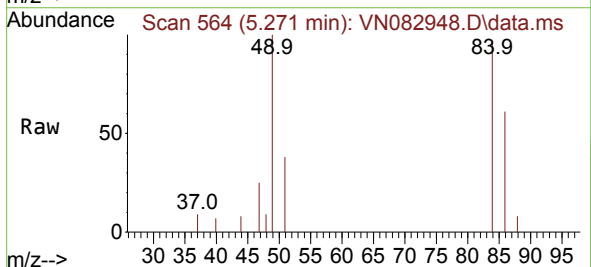
Instrument :
MSVOA_N
ClientSampleId :
WC-CTW2-BL-05

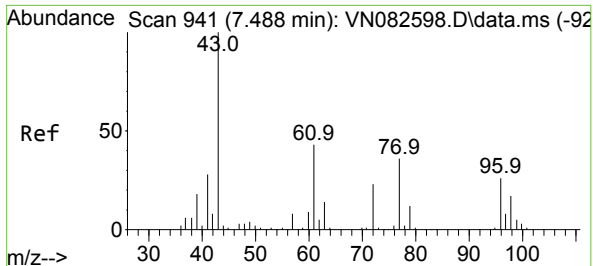
Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 6.076 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Tgt Ion: 84 Resp: 7554
Ion Ratio Lower Upper
84 100
49 104.4 119.6 179.4#
51 39.3 34.8 52.2
86 63.4 52.9 79.3





#25

2-Butanone

Concen: 4.715 ug/l

RT: 7.500 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN082948.D

Acq: 16 Jul 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

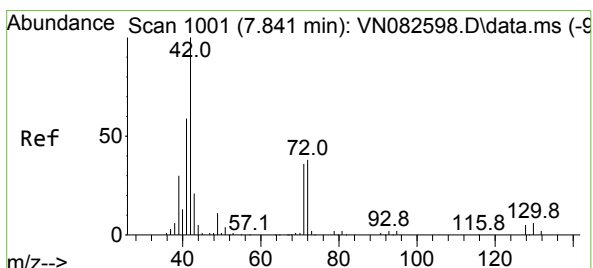
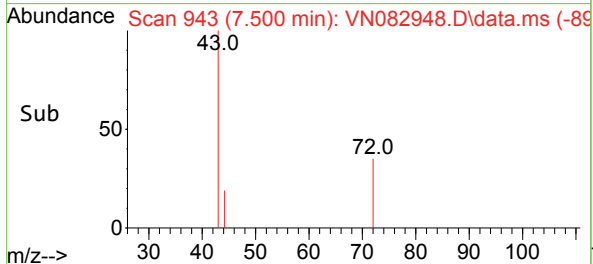
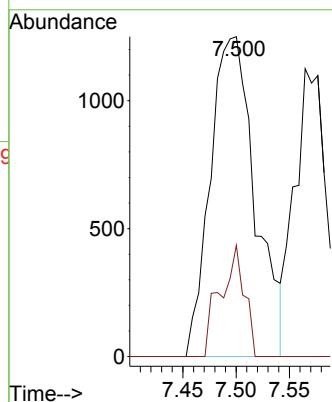
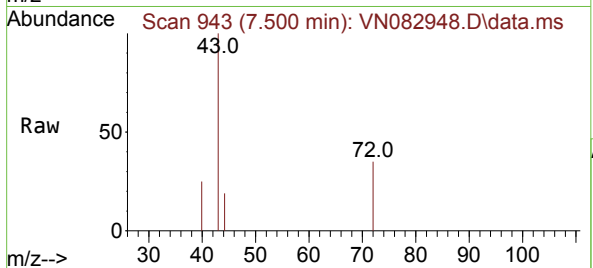
WC-CTW2-BL-05

Tgt Ion: 43 Resp: 3665

Ion Ratio Lower Upper

43 100

72 34.8 18.2 27.2#



#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.006 min

Lab File: VN082948.D

Acq: 16 Jul 2024 20:29

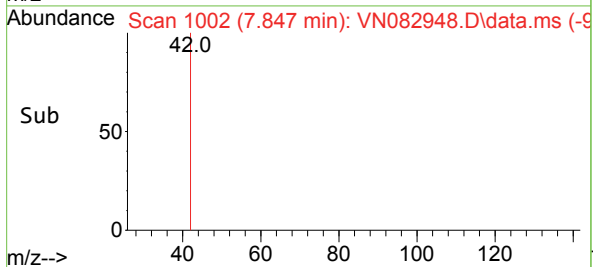
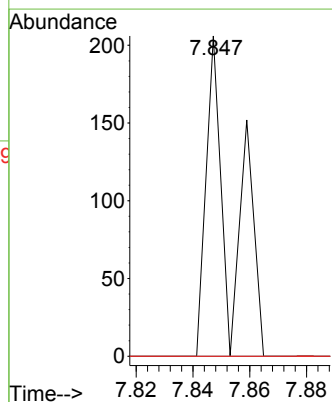
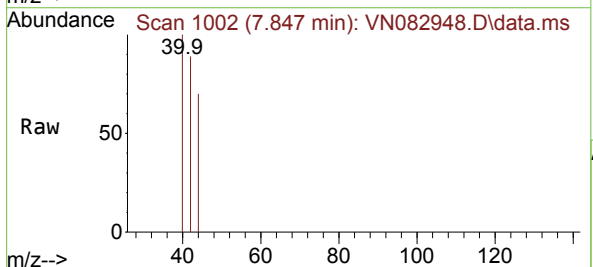
Tgt Ion: 42 Resp: 126

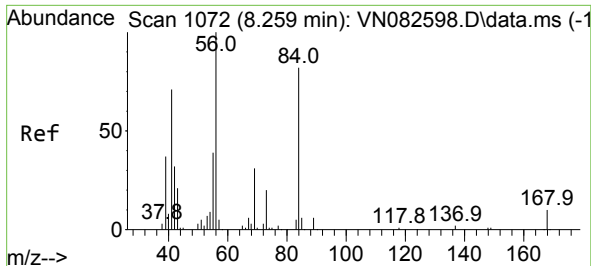
Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

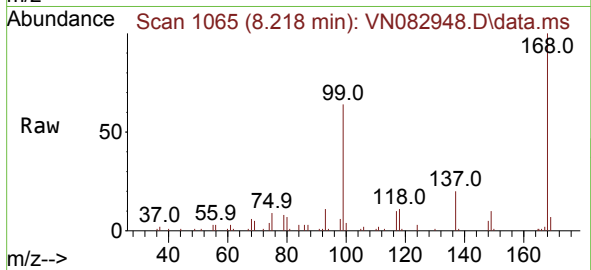
71 0.0 28.3 42.5#



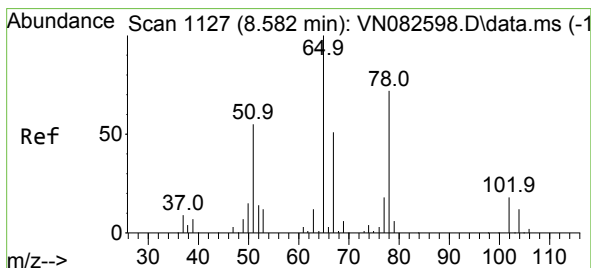
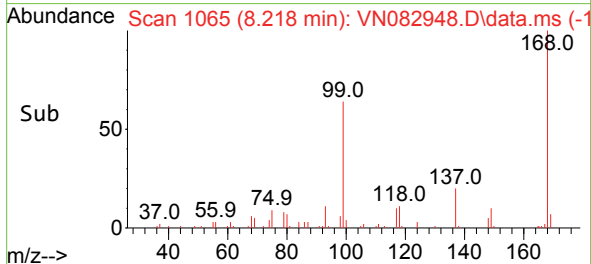
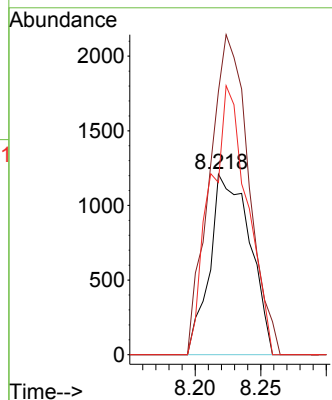


#31
Cyclohexane
Concen: 1.344 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
WC-CTW2-BL-05

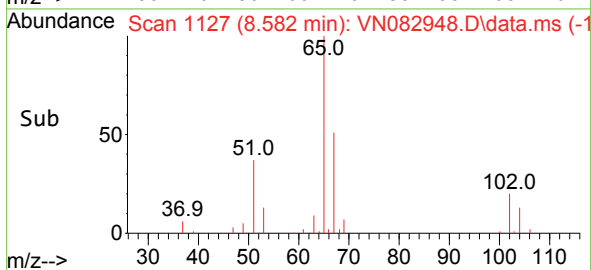
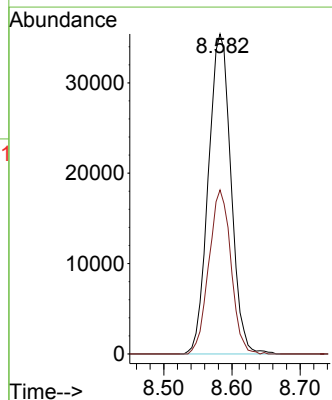
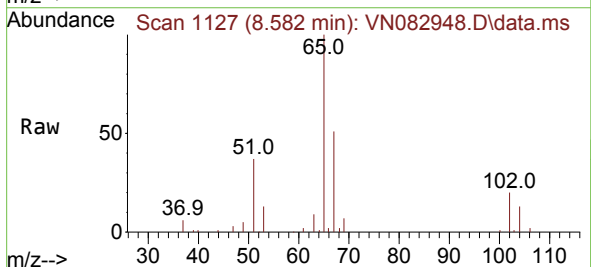


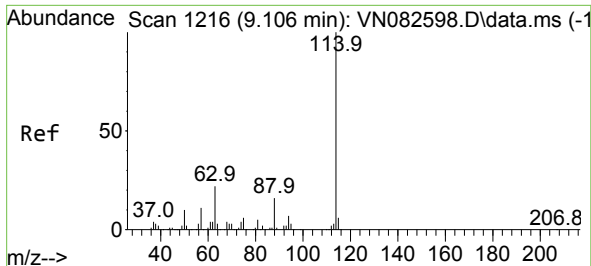
Tgt Ion: 56 Resp: 2569
Ion Ratio Lower Upper
56 100
69 146.0 24.5 36.7#
84 95.5 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 55.878 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Tgt Ion: 65 Resp: 81701
Ion Ratio Lower Upper
65 100
67 50.1 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082948.D

Acq: 16 Jul 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

WC-CTW2-BL-05

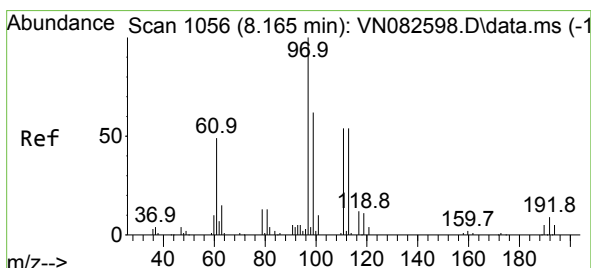
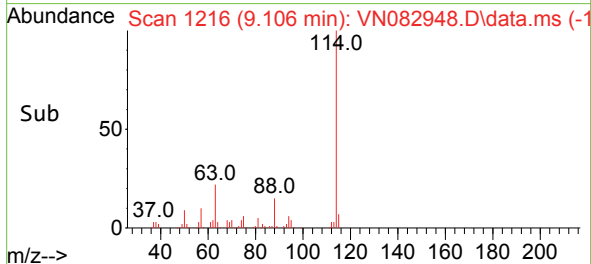
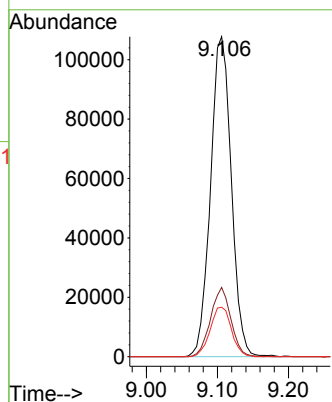
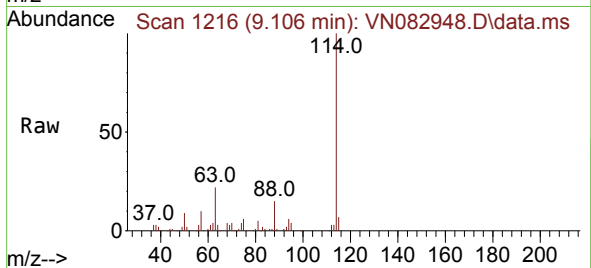
Tgt Ion:114 Resp: 218780

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.6

88 15.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 47.518 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082948.D

Acq: 16 Jul 2024 20:29

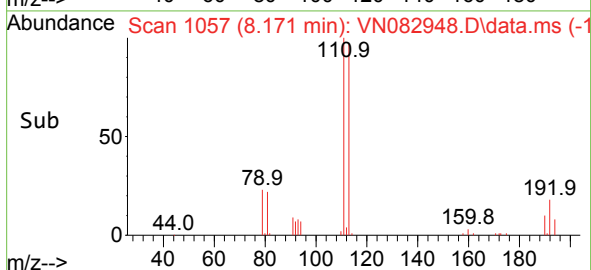
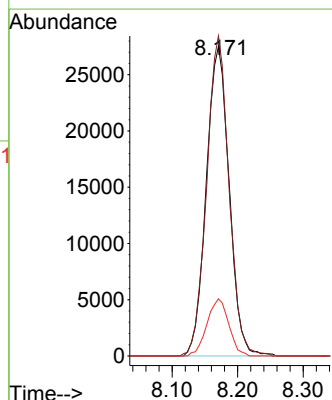
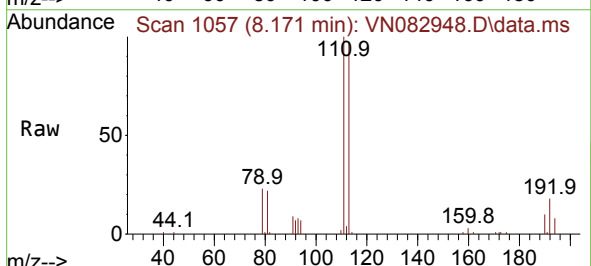
Tgt Ion:113 Resp: 66709

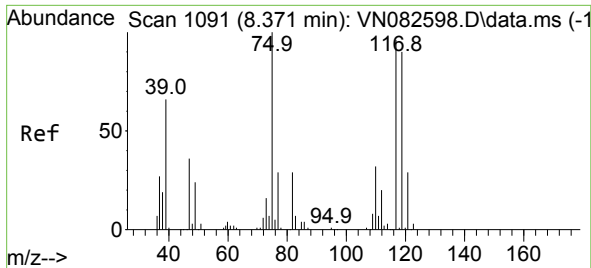
Ion Ratio Lower Upper

113 100

111 101.0 82.4 123.6

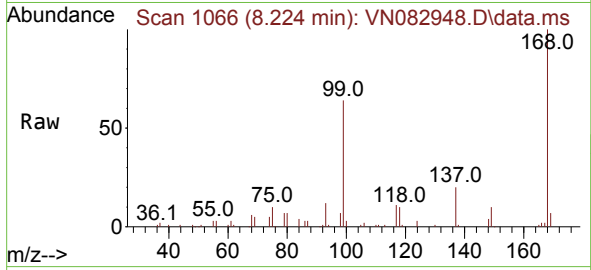
192 17.5 14.9 22.3



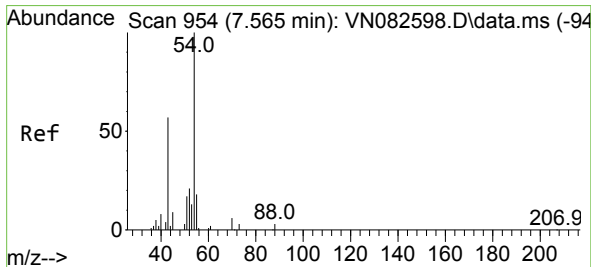
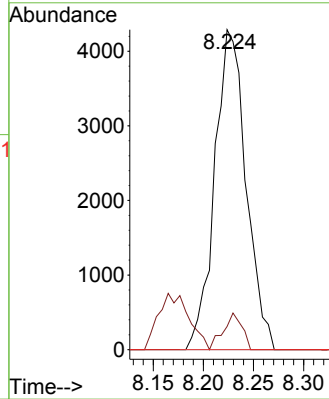
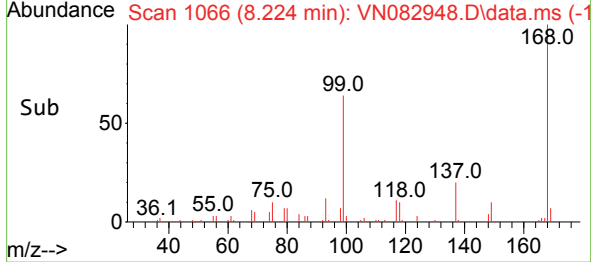


#36
1,1-Dichloropropene
Concen: 4.823 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Instrument :
MSVOA_N
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WC-CTW2-BL-05

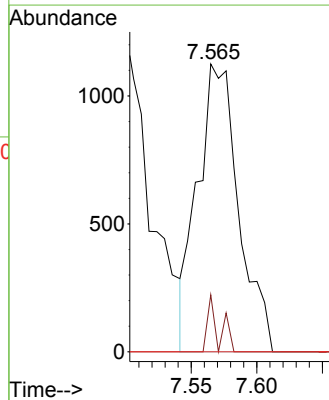
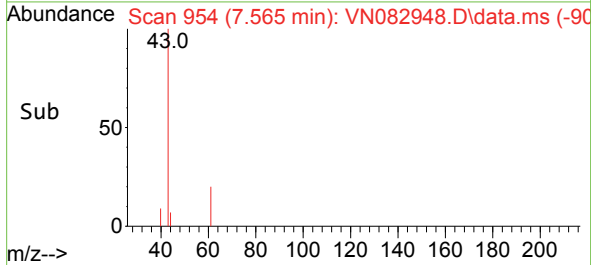
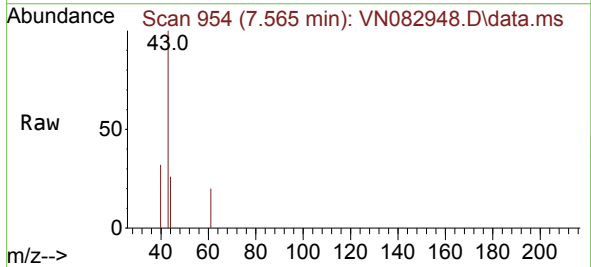


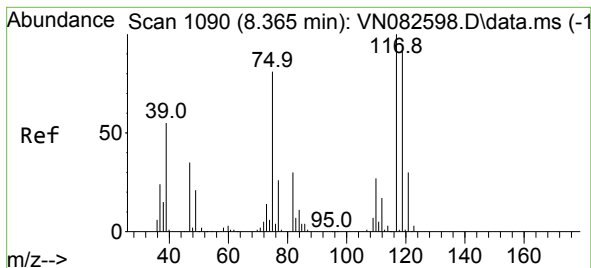
Tgt Ion: 75 Resp: 9336
Ion Ratio Lower Upper
75 100
110 6.8 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.243 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.000 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Tgt Ion: 43 Resp: 2449
Ion Ratio Lower Upper
43 100
61 5.4 9.3 13.9#
70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.754 ug/l

RT: 8.229 min Scan# 11078

Delta R.T. -0.136 min

Lab File: VN082948.D

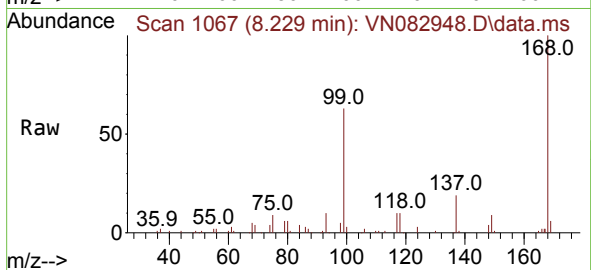
Acq: 16 Jul 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

WC-CTW2-BL-05



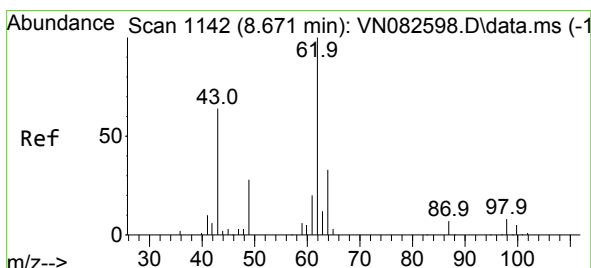
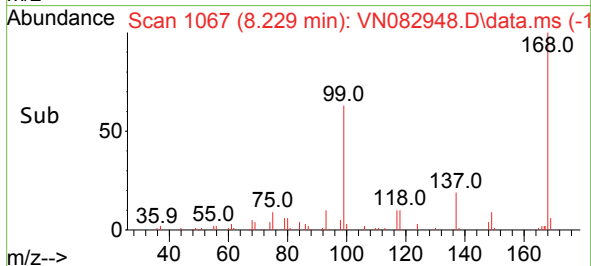
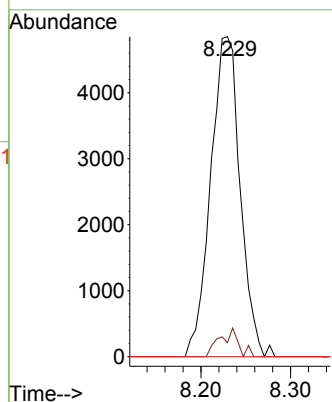
Tgt Ion:117 Resp: 11078

Ion Ratio Lower Upper

117 100

119 4.3 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.251 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN082948.D

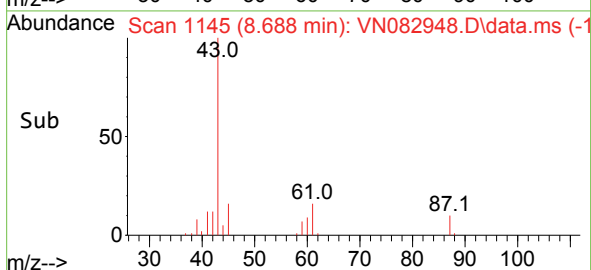
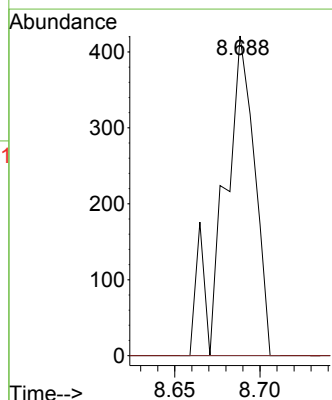
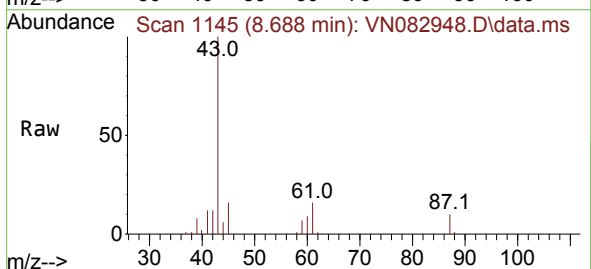
Acq: 16 Jul 2024 20:29

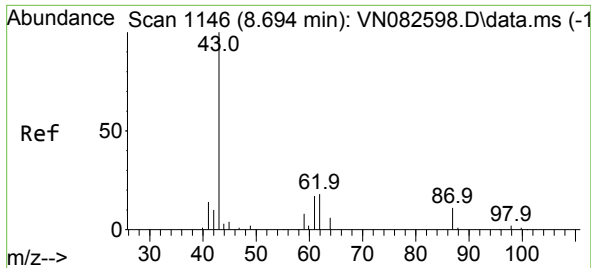
Tgt Ion: 62 Resp: 539

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8

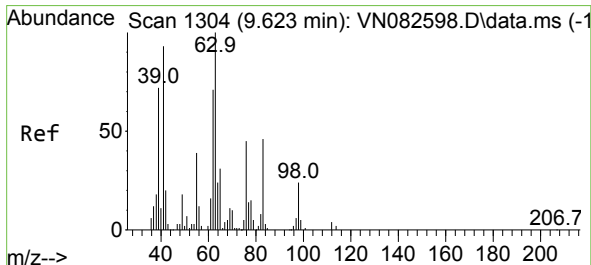
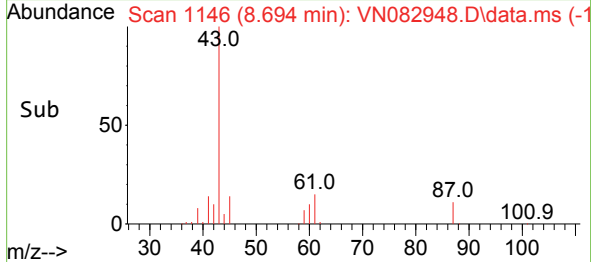
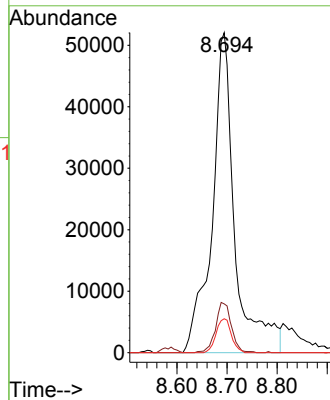
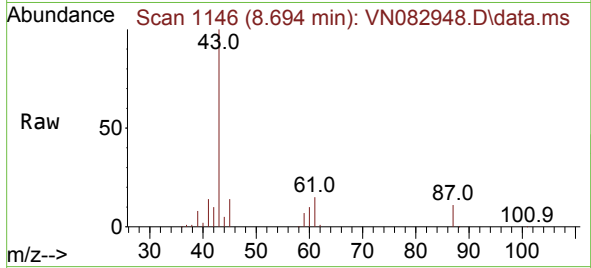




#43
Isopropyl Acetate
Concen: 43.777 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

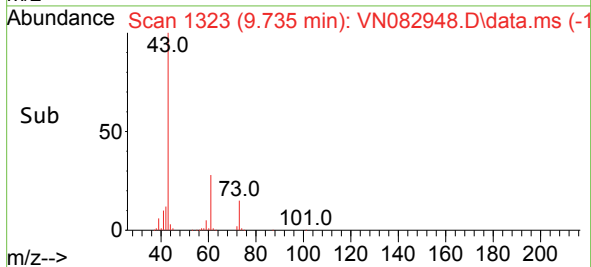
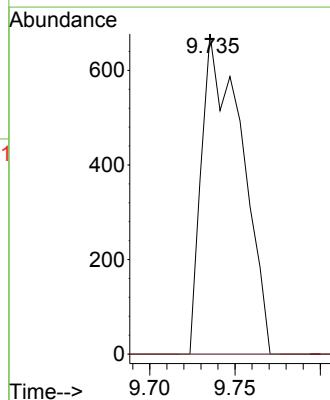
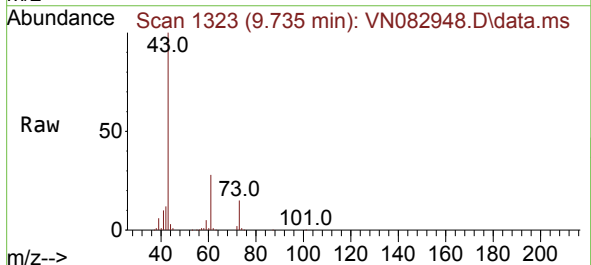
Instrument :
MSVOA_N
ClientSampleId :
WC-CTW2-BL-05

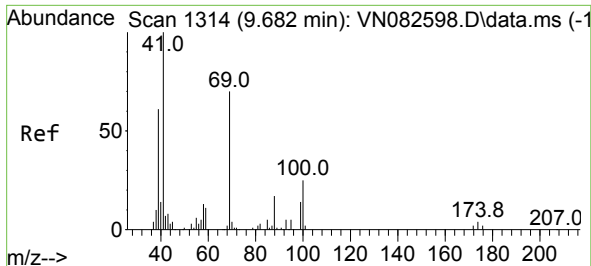
Tgt Ion: 43 Resp: 164032
Ion Ratio Lower Upper
43 100
61 10.9 17.8 26.6#
87 7.1 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.796 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Tgt Ion: 63 Resp: 1107
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

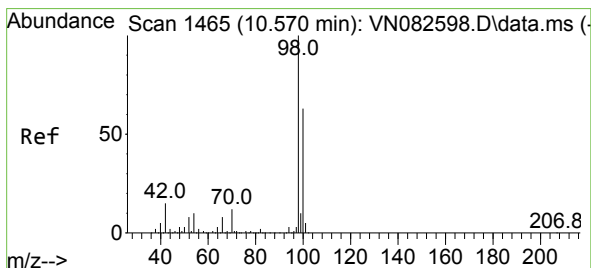
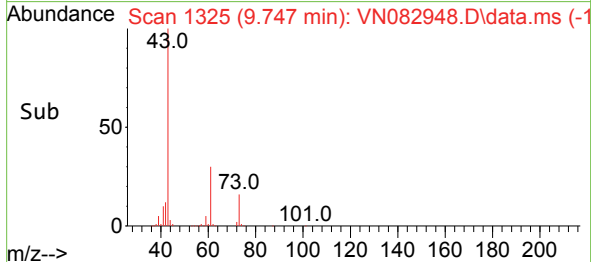
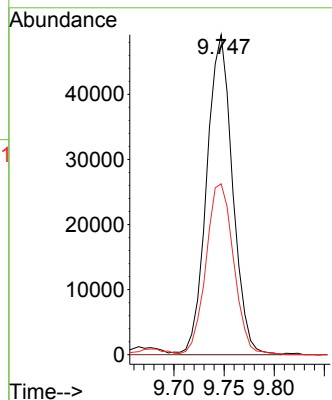
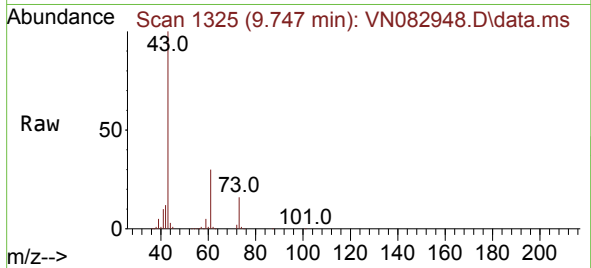




#48
Methyl methacrylate
Concen: 56.938 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

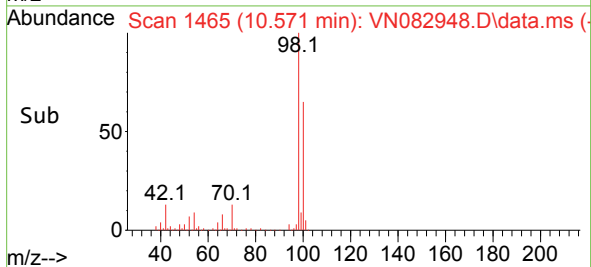
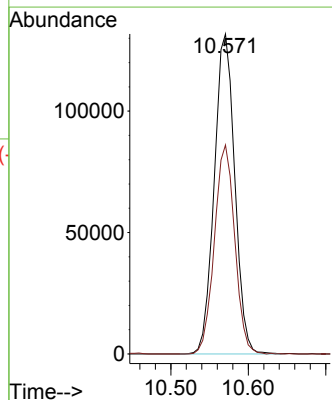
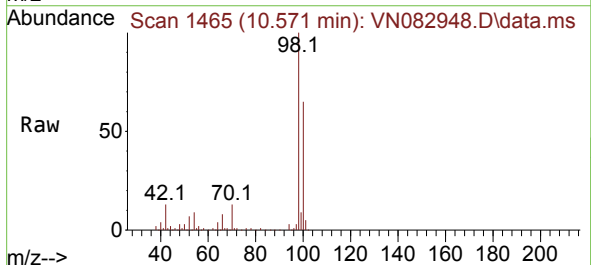
Instrument :
MSVOA_N
ClientSampleId :
WC-CTW2-BL-05

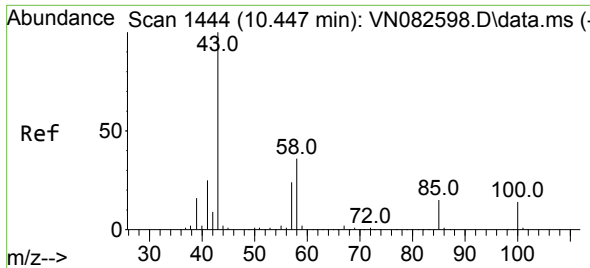
Tgt Ion: 41 Resp: 87977
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 57.3 50.3 75.5



#50
Toluene-d8
Concen: 46.645 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Tgt Ion: 98 Resp: 241858
Ion Ratio Lower Upper
98 100
100 65.0 51.5 77.3

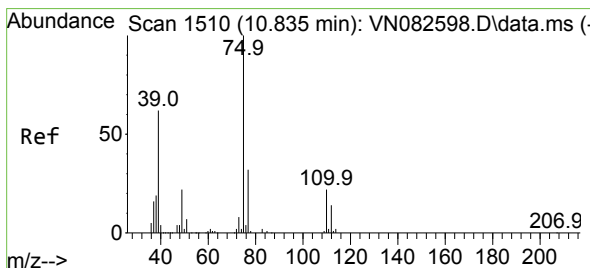
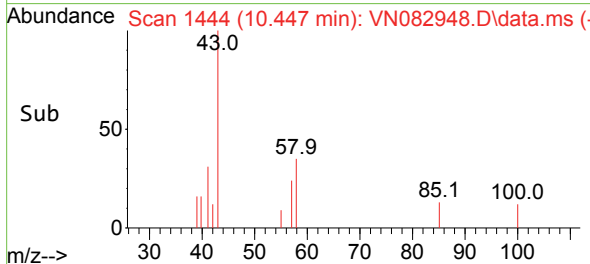
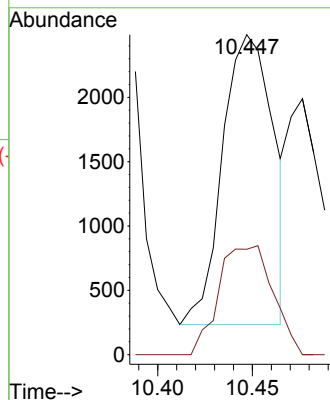
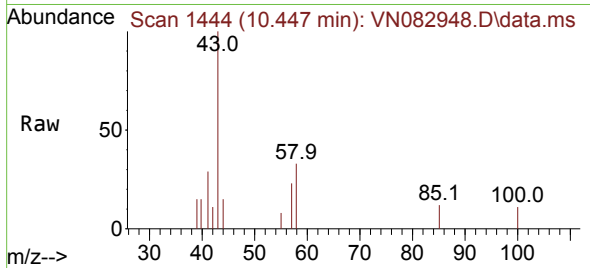




#51
4-Methyl-2-Pentanone
Concen: 2.149 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

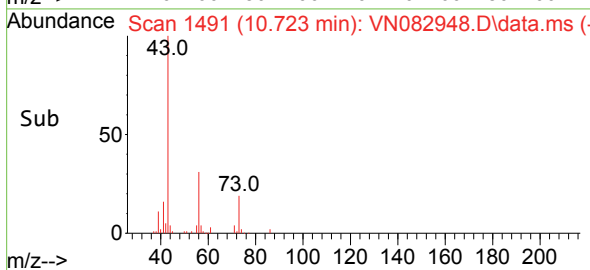
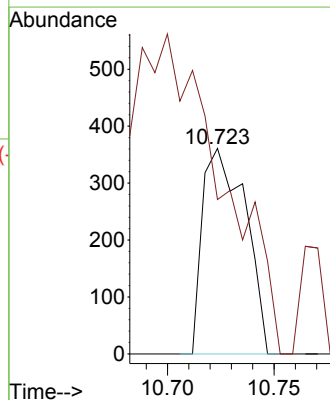
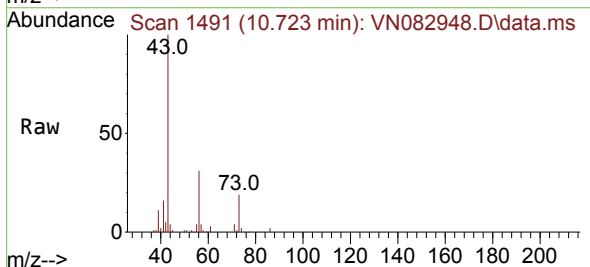
Instrument :
MSVOA_N
ClientSampleId :
WC-CTW2-BL-05

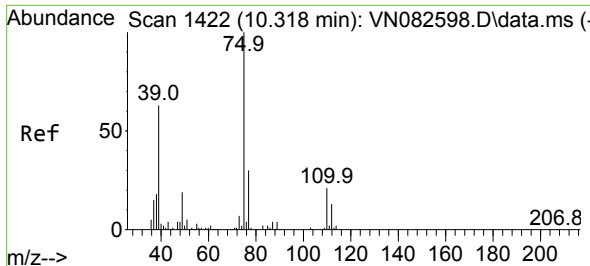
Tgt Ion: 43 Resp: 4198
Ion Ratio Lower Upper
43 100
58 40.0 28.2 42.4



#53
t-1,3-Dichloropropene
Concen: 0.219 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Tgt Ion: 75 Resp: 505
Ion Ratio Lower Upper
75 100
77 75.1 25.7 38.5#

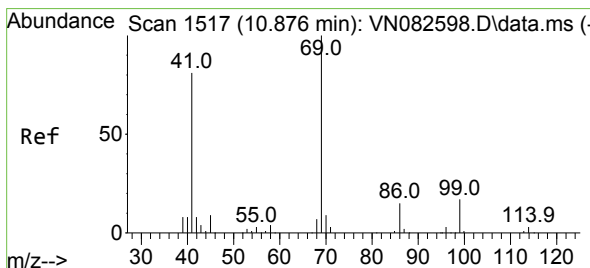
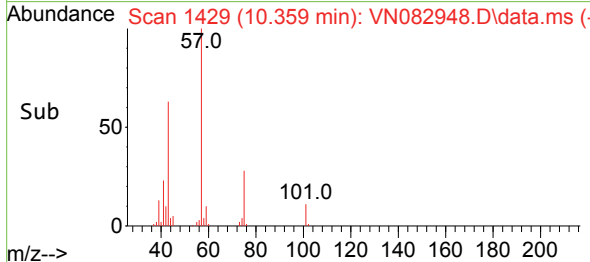
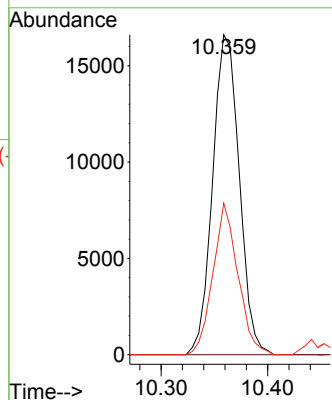
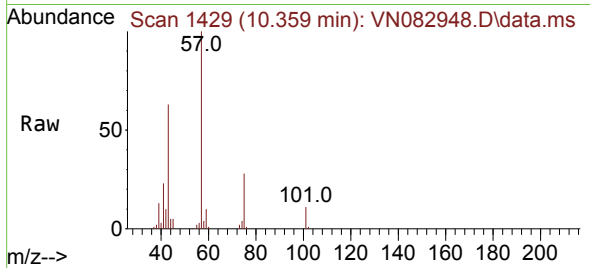




#54
 cis-1,3-Dichloropropene
 Concen: 11.822 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN082948.D
 Acq: 16 Jul 2024 20:29

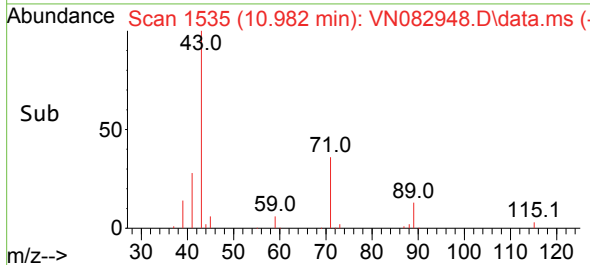
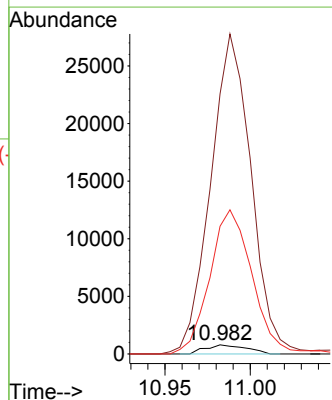
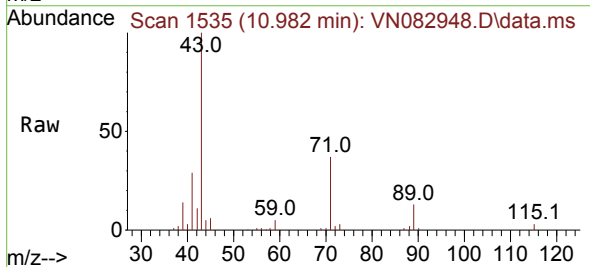
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-CTW2-BL-05

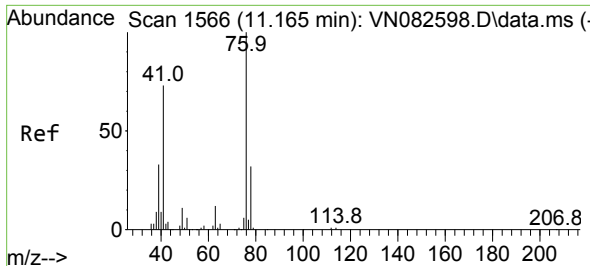
Tgt Ion: 75 Resp: 28843
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 47.3 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.620 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082948.D
 Acq: 16 Jul 2024 20:29

Tgt Ion: 69 Resp: 1320
 Ion Ratio Lower Upper
 69 100
 41 3480.4 63.4 95.2#
 39 1647.5 37.4 56.0#

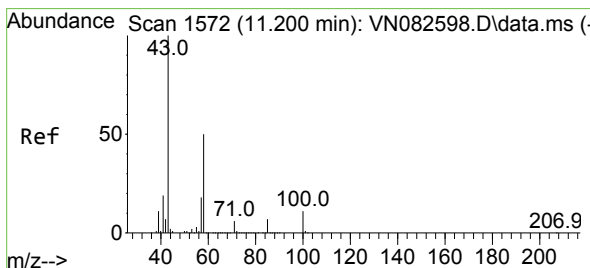
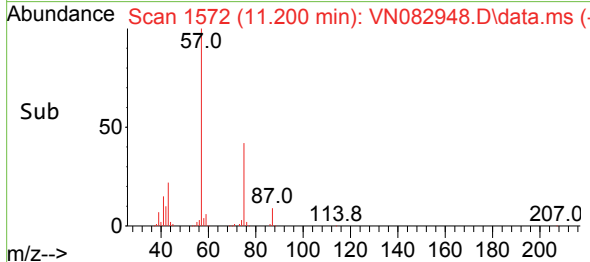
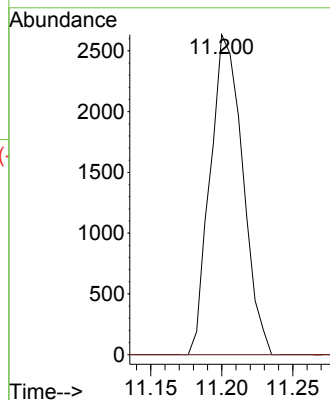
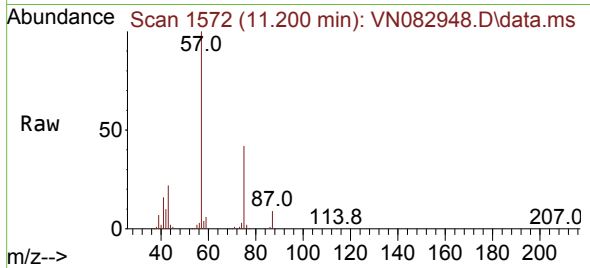




#57
1,3-Dichloropropane
Concen: 1.732 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

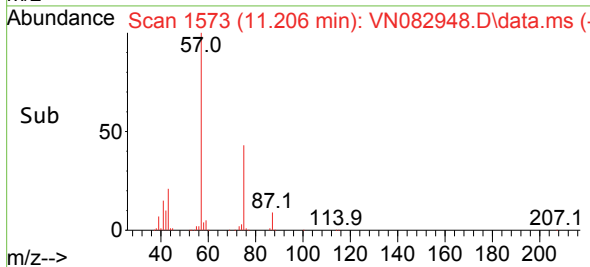
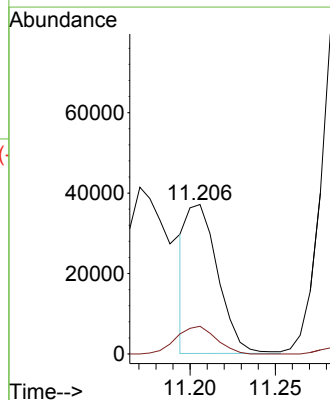
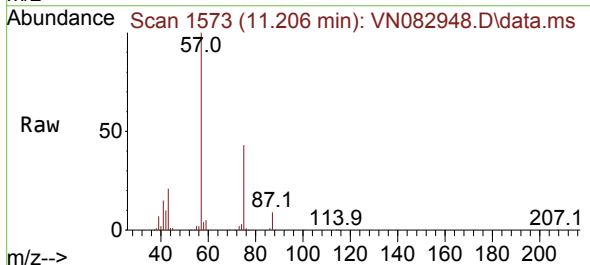
Instrument :
MSVOA_N
ClientSampleId :
WC-CTW2-BL-05

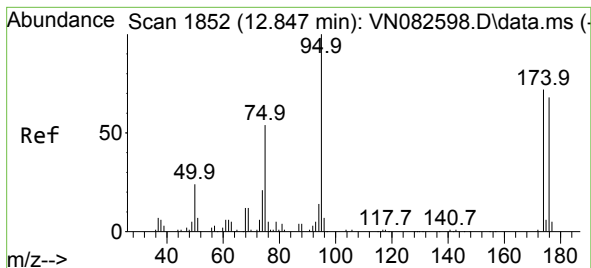
Tgt Ion: 76 Resp: 4194
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 32.524 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Tgt Ion: 43 Resp: 47239
Ion Ratio Lower Upper
43 100
58 23.7 24.6 73.8#

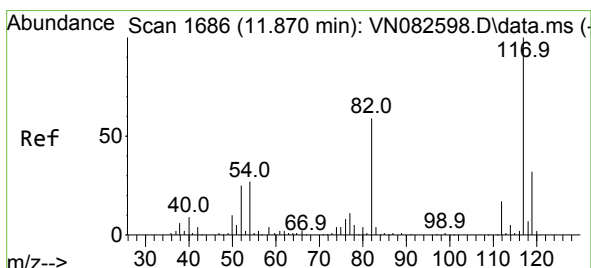
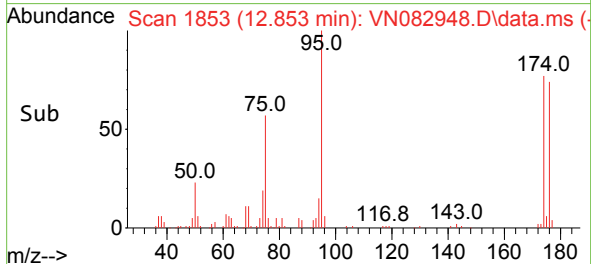
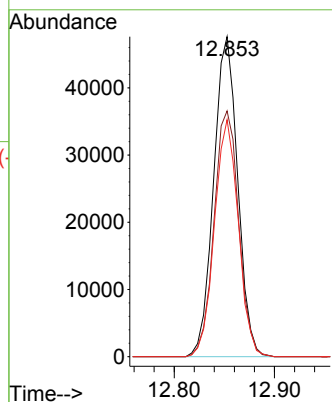
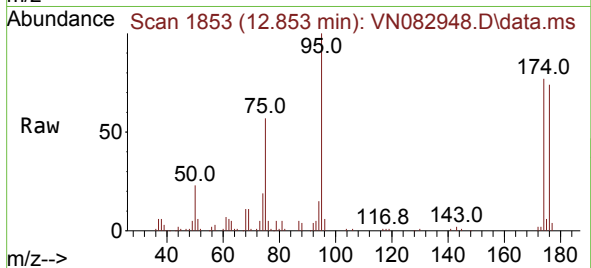




#62
4-Bromofluorobenzene
Concen: 42.522 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

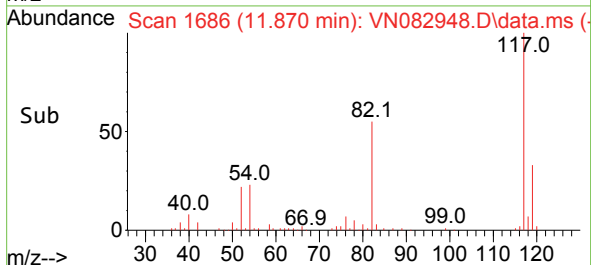
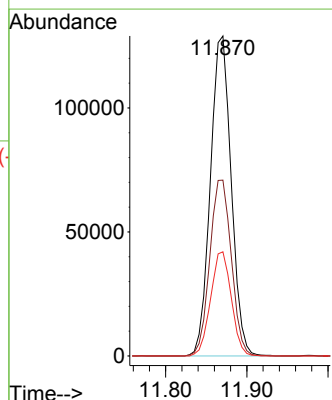
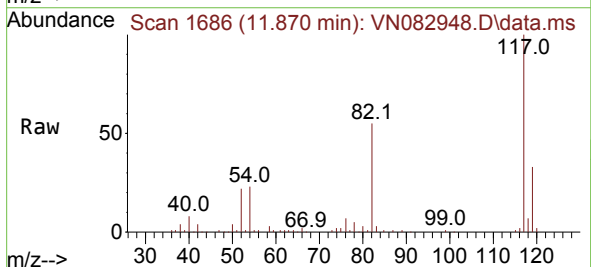
Instrument :
MSVOA_N
ClientSampleId :
WC-CTW2-BL-05

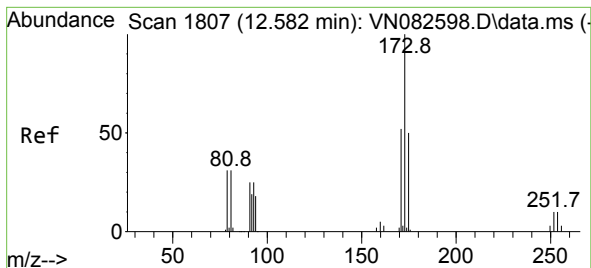
Tgt Ion: 95 Resp: 79198
Ion Ratio Lower Upper
95 100
174 78.8 0.0 159.2
176 73.5 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Tgt Ion: 117 Resp: 229846
Ion Ratio Lower Upper
117 100
82 55.0 47.5 71.3
119 32.5 25.6 38.4





#71

Bromoform

Concen: 0.519 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN082948.D

Acq: 16 Jul 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

WC-CTW2-BL-05

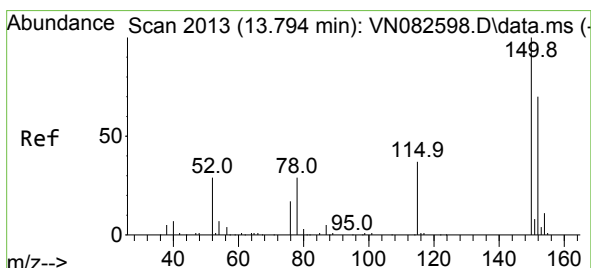
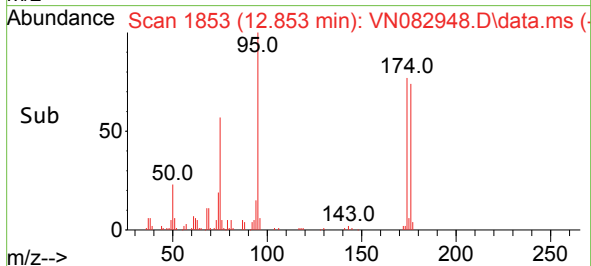
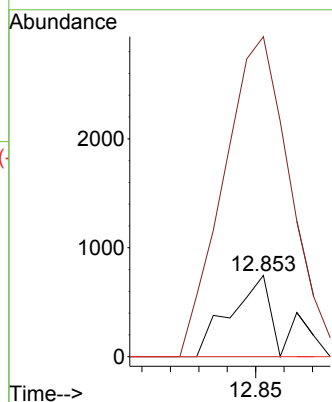
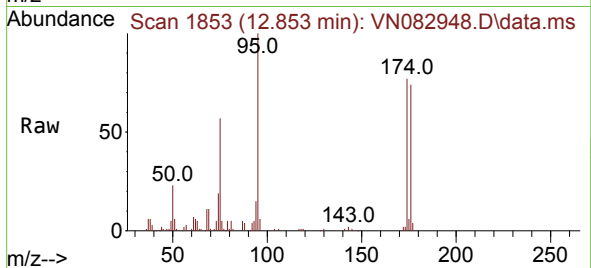
Tgt Ion:173 Resp: 715

Ion Ratio Lower Upper

173 100

175 567.8 24.0 72.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082948.D

Acq: 16 Jul 2024 20:29

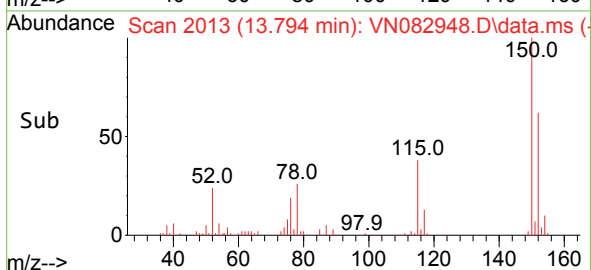
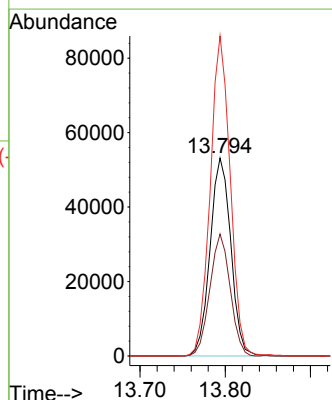
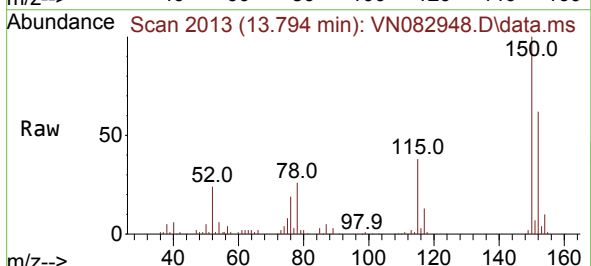
Tgt Ion:152 Resp: 89795

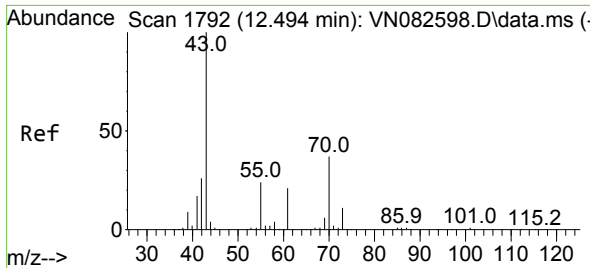
Ion Ratio Lower Upper

152 100

115 60.3 30.6 91.6

150 155.6 0.0 348.6

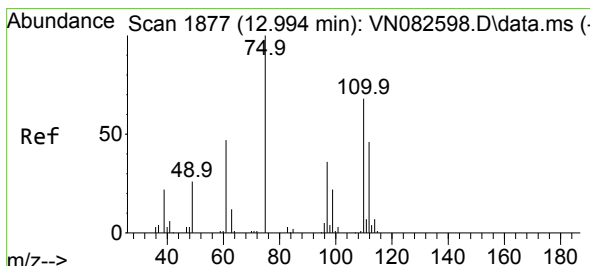
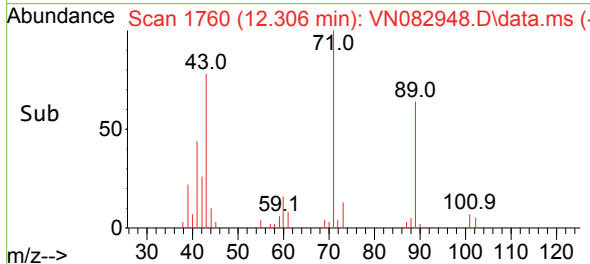
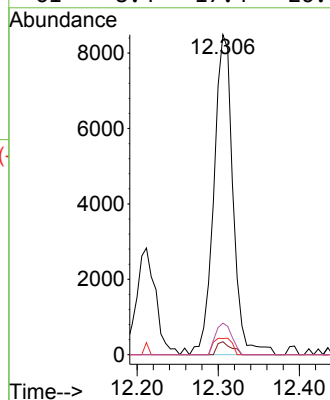
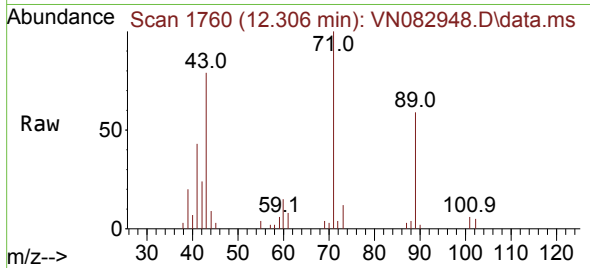




#74
N-amy1 acetate
Concen: 5.183 ug/l
RT: 12.306 min Scan# 1760
Delta R.T. -0.188 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

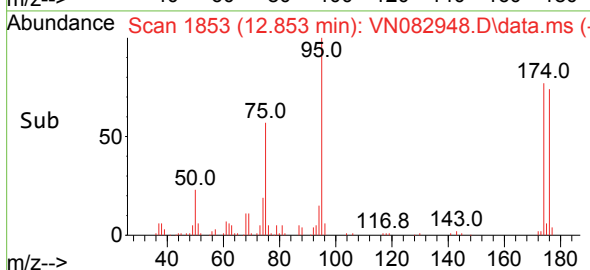
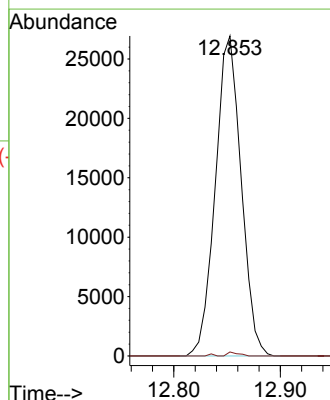
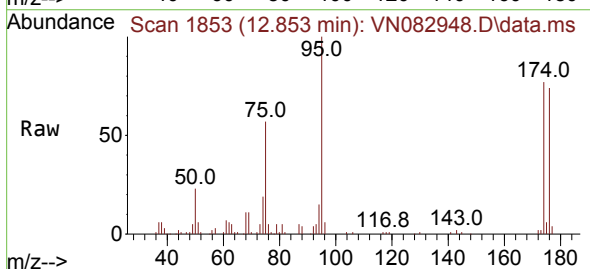
Instrument :
MSVOA_N
ClientSampleId :
WC-CTW2-BL-05

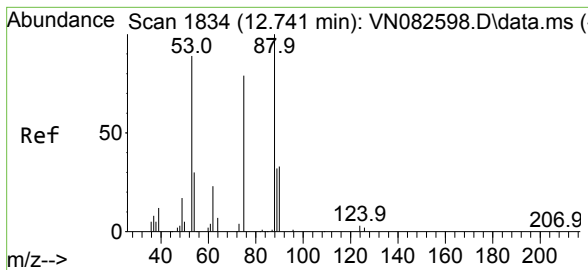
Tgt Ion: 43	Resp: 13989
Ion Ratio	Lower Upper
43 100	
70 3.0	29.8 44.6#
55 4.9	18.7 28.1#
61 8.4	17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 29.257 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082948.D
Acq: 16 Jul 2024 20:29

Tgt Ion: 75	Resp: 45293
Ion Ratio	Lower Upper
75 100	
77 0.5	110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.540 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082948.D
 Acq: 16 Jul 2024 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-CTW2-BL-05

Tgt Ion:	75	Resp:	45293
Ion Ratio	Lower	Upper	
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

