

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011323\
 Data File : VN076248.D
 Acq On : 13 Jan 2023 15:03
 Operator : JC\MD
 Sample : 01135-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

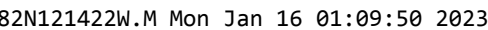
Quant Time: Jan 16 01:09:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

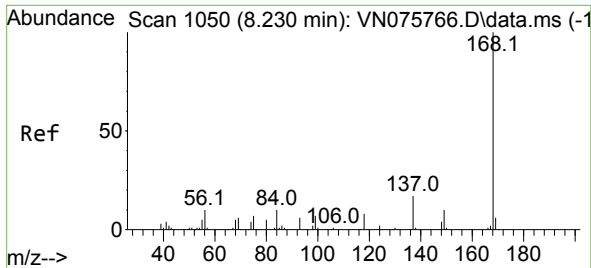
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	409969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	662747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	577058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	231051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	224383	50.309	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.620%			
35) Dibromofluoromethane	8.177	113	196463	47.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.740%			
50) Toluene-d8	10.571	98	770369	50.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.400%			
62) 4-Bromofluorobenzene	12.853	95	236269	46.486	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.980%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.536	59	241	0.382	ug/l #	72
16) Acetone	4.453	43	44546	28.973	ug/l	97
18) Methyl Acetate	5.047	43	2011	0.442	ug/l #	85
20) Methylene Chloride	5.289	84	12096	2.330	ug/l	97
25) 2-Butanone	7.512	43	7290	3.386	ug/l #	86
31) Cyclohexane	8.230	56	7855	1.230	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	29314	5.377	ug/l #	50
37) Ethyl Acetate	7.571	43	33998	7.763	ug/l	99
38) Carbon Tetrachloride	8.230	117	40084	6.569	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1666	0.298	ug/l #	72
43) Isopropyl Acetate	8.694	43	374564	51.849	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	2129	0.520	ug/l #	43
48) Methyl methacrylate	9.677	41	4448	1.367	ug/l #	34
49) 1,4-Dioxane	9.747	88	221	2.763	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	15725	3.599	ug/l #	77
53) t-1,3-Dichloropropene	10.729	75	1270	0.218	ug/l #	86
54) cis-1,3-Dichloropropene	10.359	75	72726	11.365	ug/l #	66
56) Ethyl methacrylate	10.988	69	2024	0.354	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	9532	1.351	ug/l #	42
59) 2-Hexanone	11.171	43	141998	44.568	ug/l #	20
71) Bromoform	12.853	173	1520	0.476	ug/l #	1
74) N-amyl acetate	12.488	43	2165	0.442	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	124151	26.657	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	124151	95.950	ug/l #	12
95) Naphthalene	15.641	128	832	2.241	ug/l #	69

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

Quant Time: Jan 16 01:09:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

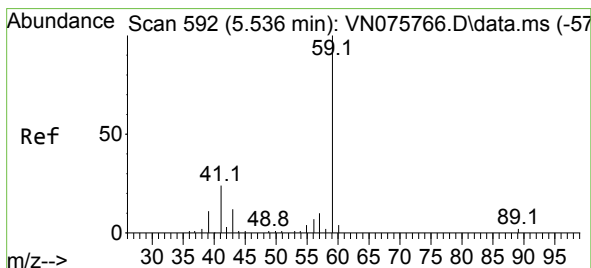
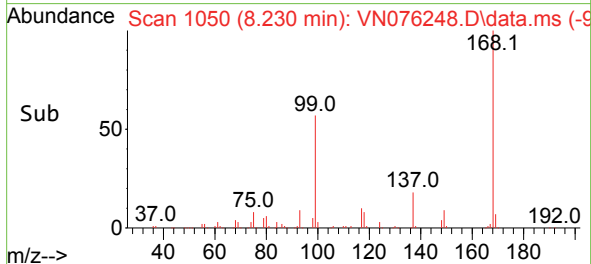
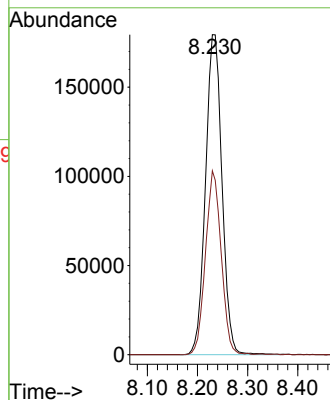
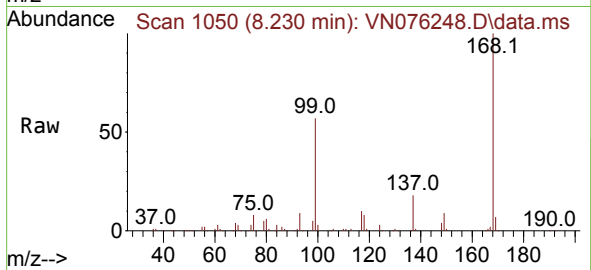




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

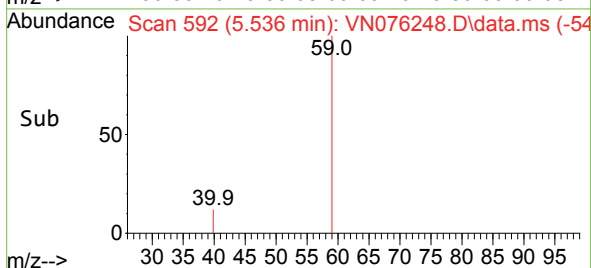
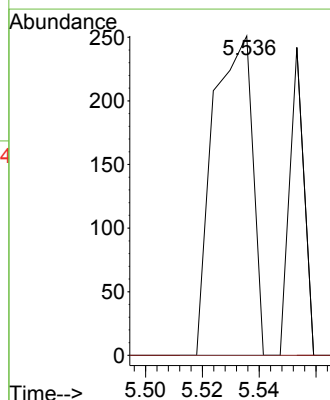
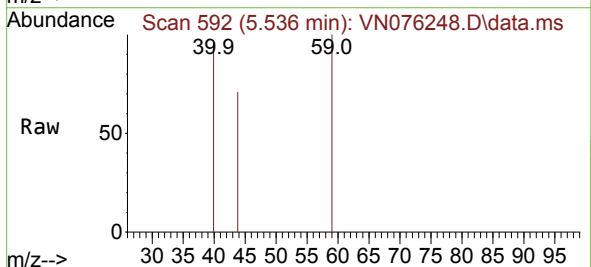
Instrument :
MSVOA_N
ClientSampleId :
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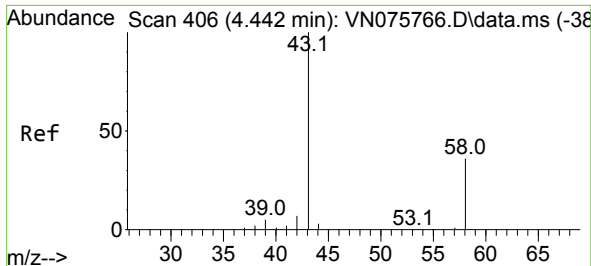
Tgt Ion:168 Resp: 409969
Ion Ratio Lower Upper
168 100
99 57.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.382 ug/l
RT: 5.536 min Scan# 592
Delta R.T. -0.000 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 28.973 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN076248.D

Acq: 13 Jan 2023 15:03

Instrument :

MSVOA_N

ClientSampleId :

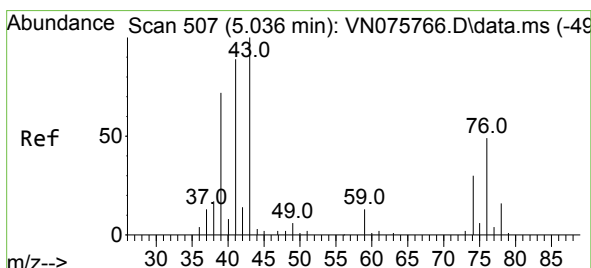
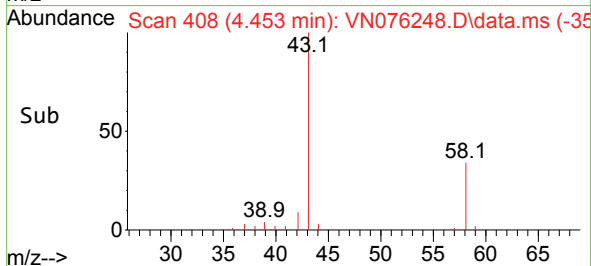
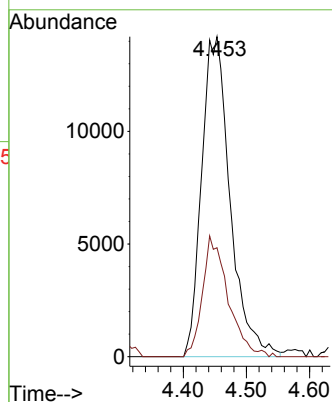
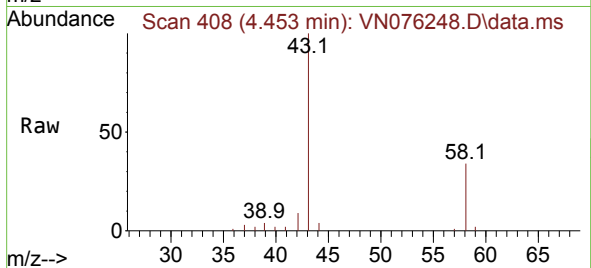
WC-3

Tgt Ion: 43 Resp: 44546

Ion Ratio Lower Upper

43 100

58 34.1 28.6 43.0



#18

Methyl Acetate

Concen: 0.442 ug/l

RT: 5.047 min Scan# 509

Delta R.T. 0.012 min

Lab File: VN076248.D

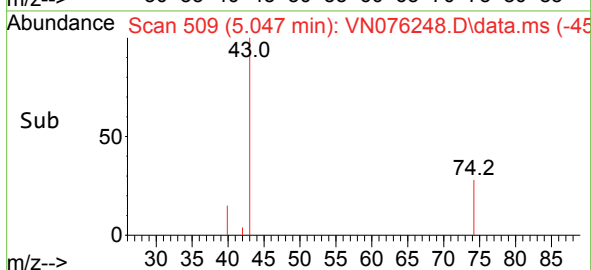
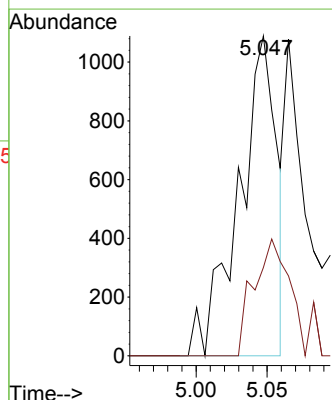
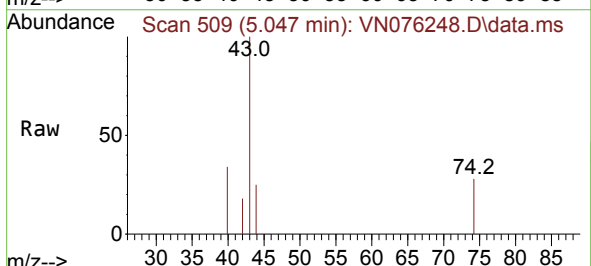
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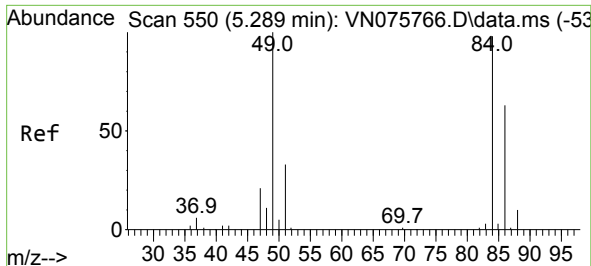
Tgt Ion: 43 Resp: 2011

Ion Ratio Lower Upper

43 100

74 37.4 23.6 35.4#

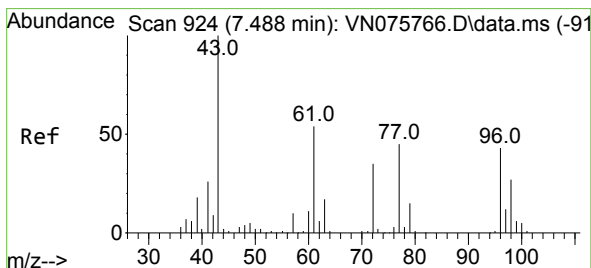
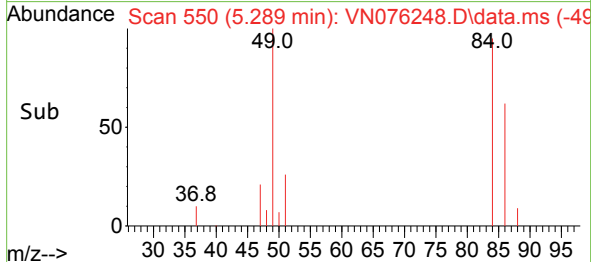
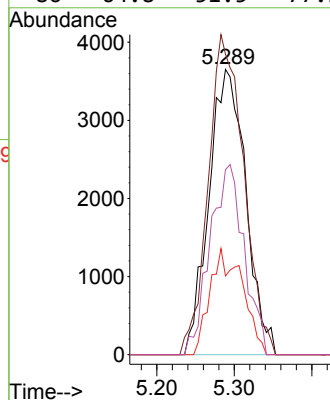
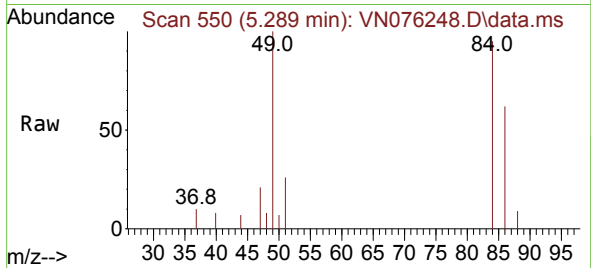




#20
Methylene Chloride
Concen: 2.330 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

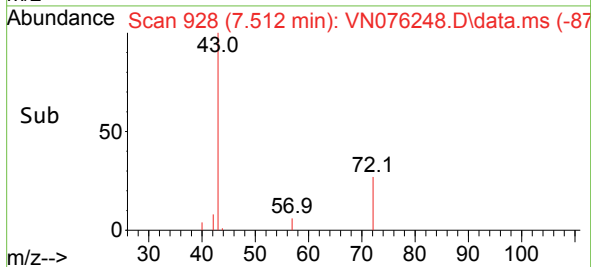
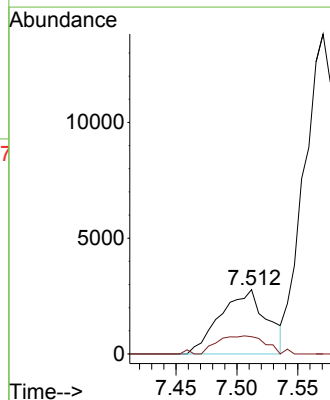
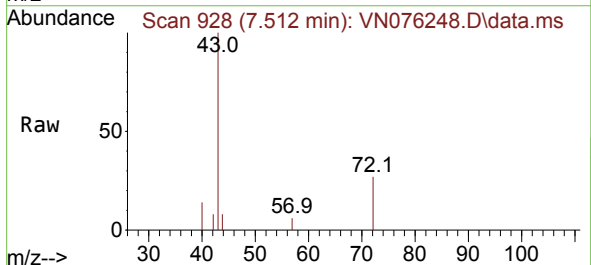
Instrument :
MSVOA_N
ClientSampleId :
WC-3

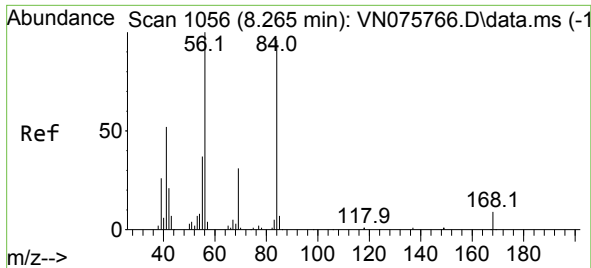
Tgt Ion: 84	Resp:	12096	
Ion	Ratio	Lower	Upper
84	100		
49	105.3	81.8	122.6
51	27.6	26.7	40.1
86	64.8	51.5	77.3



#25
2-Butanone
Concen: 3.386 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.023 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

Tgt Ion: 43	Resp:	7290	
Ion Ratio	Lower	Upper	
43	100		
72	26.9	28.0	42.0#

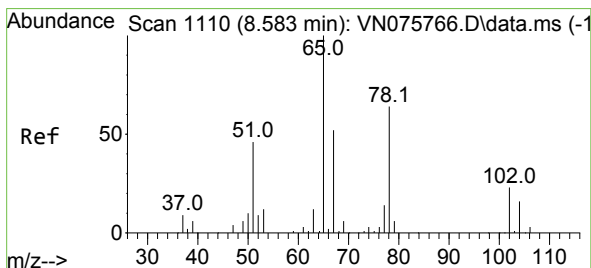
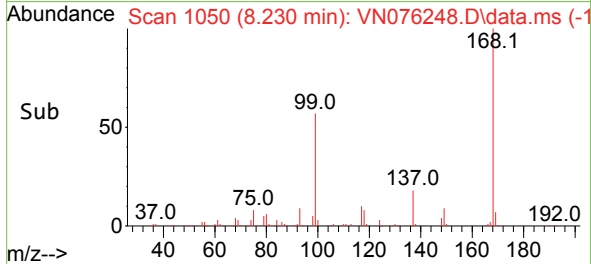
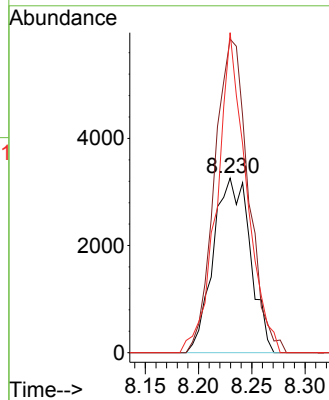
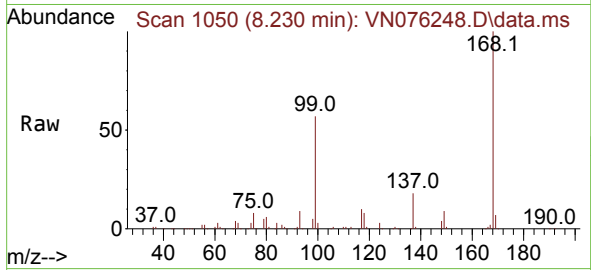




#31
Cyclohexane
Concen: 1.230 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

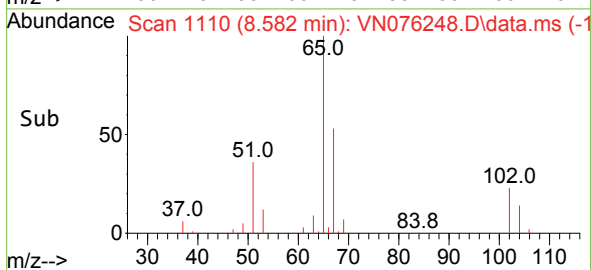
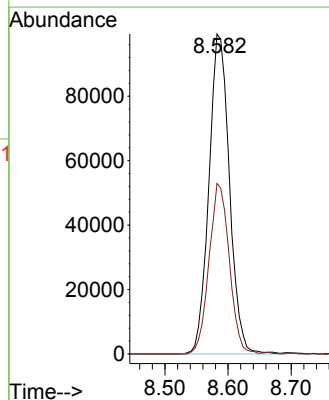
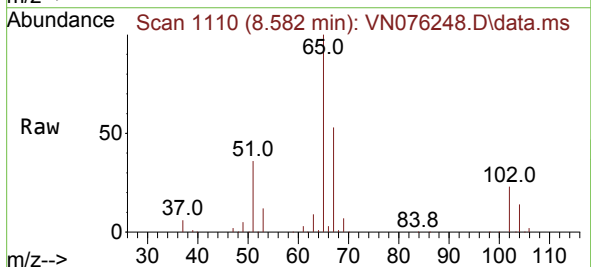
Instrument :
MSVOA_N
ClientSampleId :
WC-3

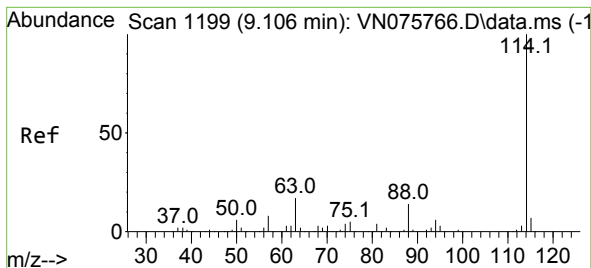
Tgt Ion: 56 Resp: 7855
Ion Ratio Lower Upper
56 100
69 179.7 24.7 37.1#
84 183.3 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 50.309 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

Tgt Ion: 65 Resp: 224383
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076248.D

Acq: 13 Jan 2023 15:03

Instrument :

MSVOA_N

ClientSampleId :

WC-3

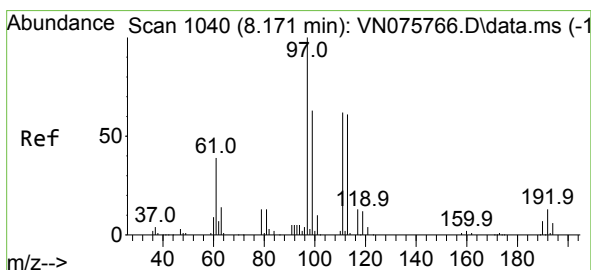
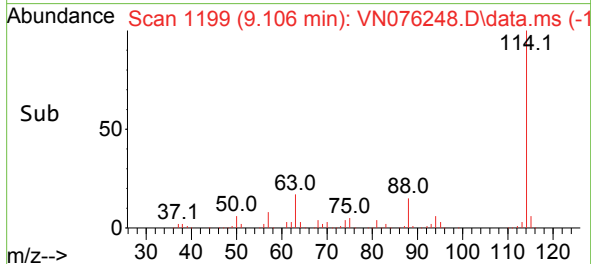
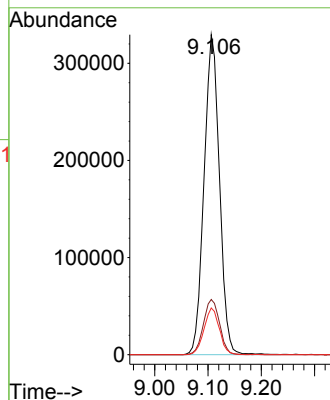
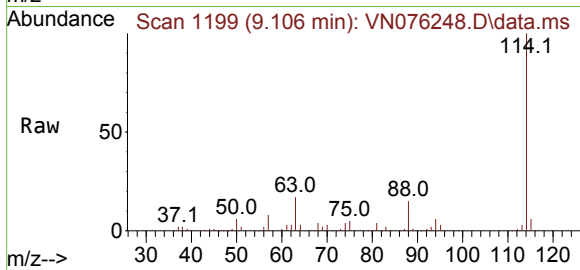
Tgt Ion:114 Resp: 662747

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 14.6 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.868 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076248.D

Acq: 13 Jan 2023 15:03

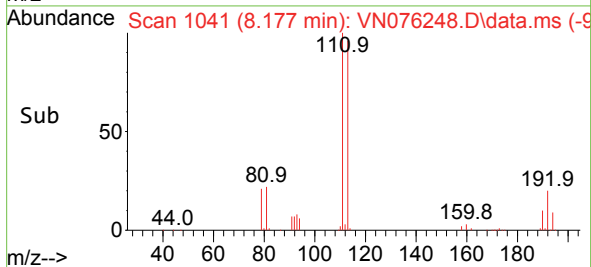
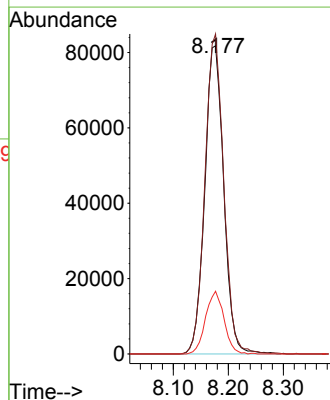
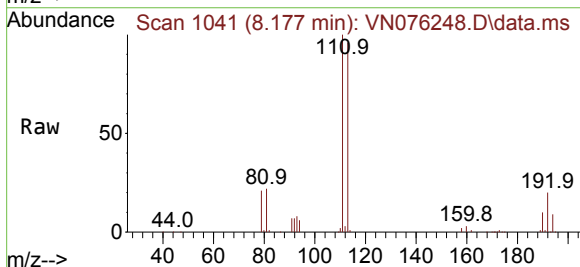
Tgt Ion:113 Resp: 196463

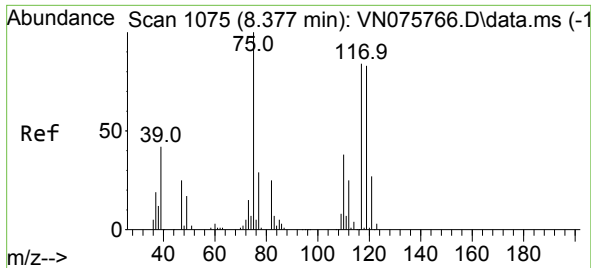
Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

192 19.8 16.1 24.1

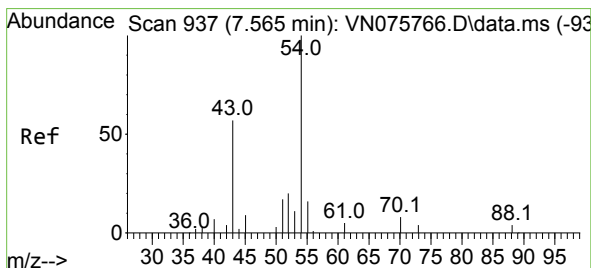
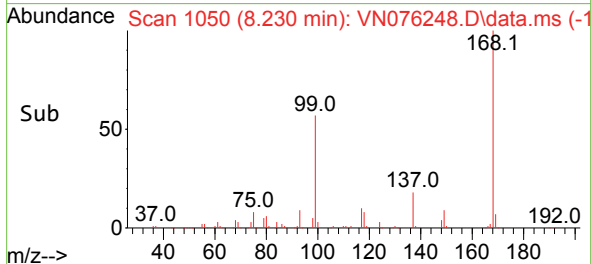
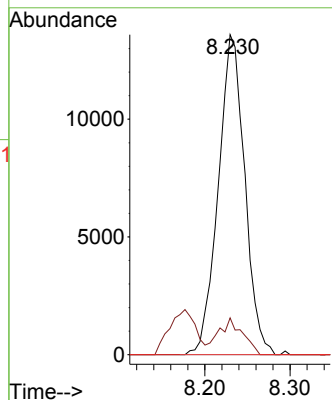
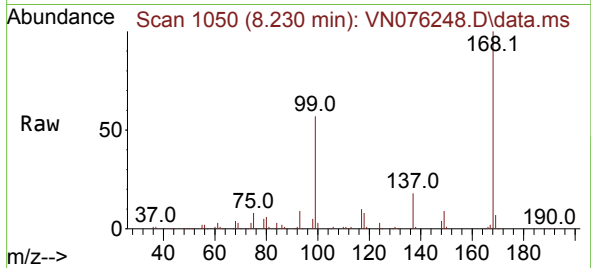




#36
1,1-Dichloropropene
Concen: 5.377 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

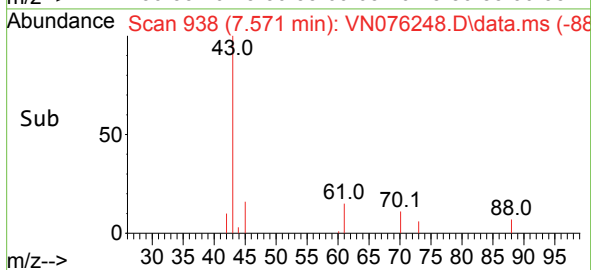
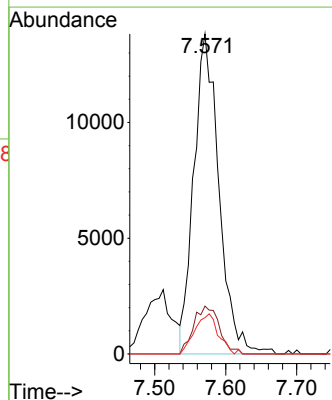
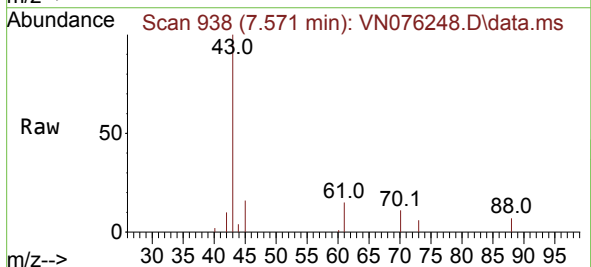
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MSVOA_N
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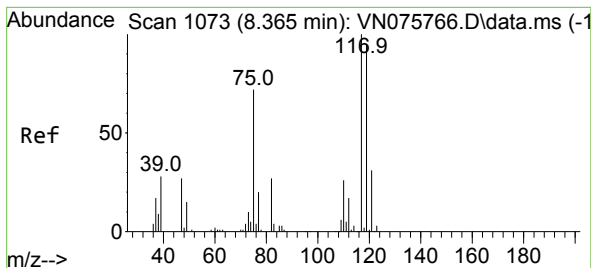
Tgt Ion: 75 Resp: 29314
Ion Ratio Lower Upper
75 100
110 10.5 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 7.763 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

Tgt Ion: 43 Resp: 33998
Ion Ratio Lower Upper
43 100
61 15.3 13.0 19.4
70 11.8 9.4 14.0





#38

Carbon Tetrachloride

Concen: 6.569 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VN076248.D

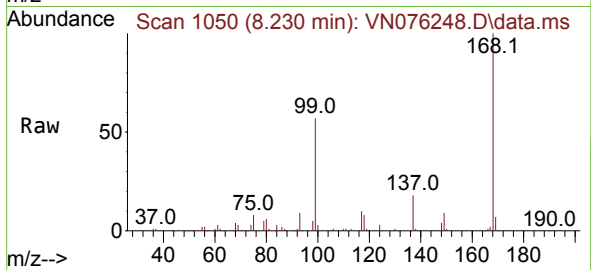
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Instrument :

MSVOA_N

ClientSampleId :

WC-3



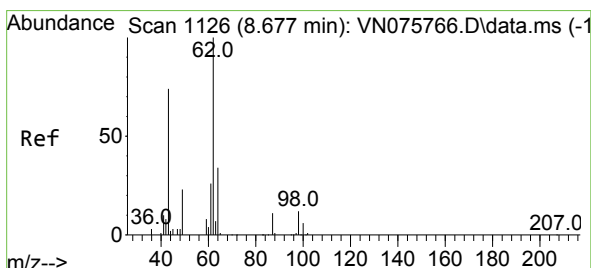
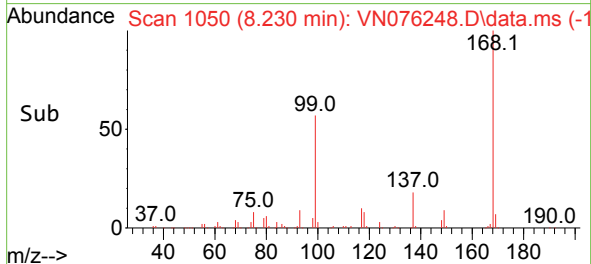
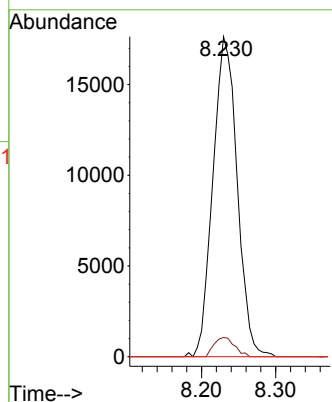
Tgt Ion:117 Resp: 40084

Ion Ratio Lower Upper

117 100

119 6.0 76.1 114.1#

121 0.0 24.5 36.7#



#42

1,2-Dichloroethane

Concen: 0.298 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VN076248.D

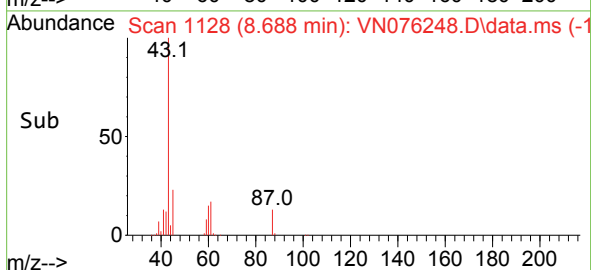
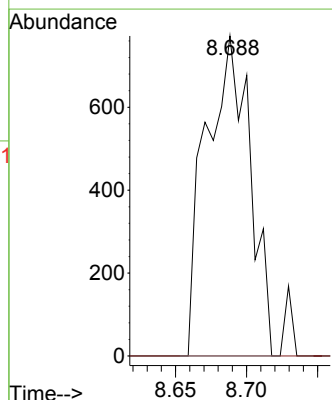
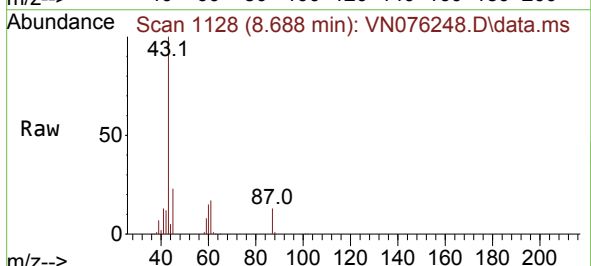
Acq: 13 Jan 2023 15:03

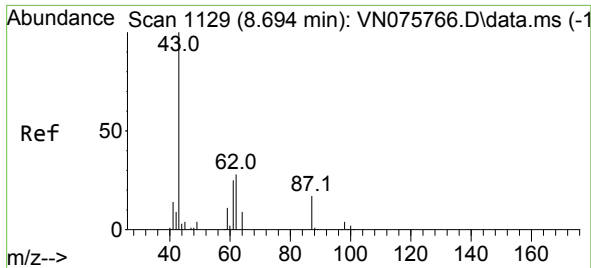
Tgt Ion: 62 Resp: 1666

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8

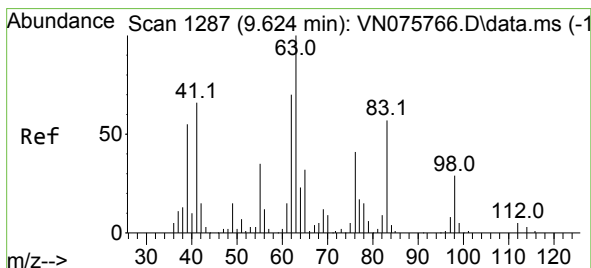
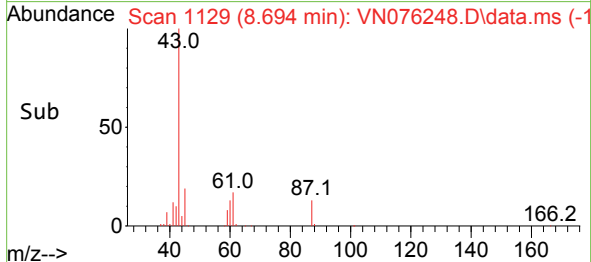
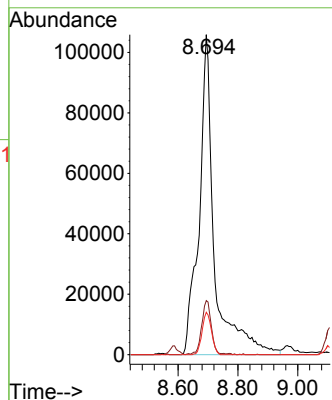
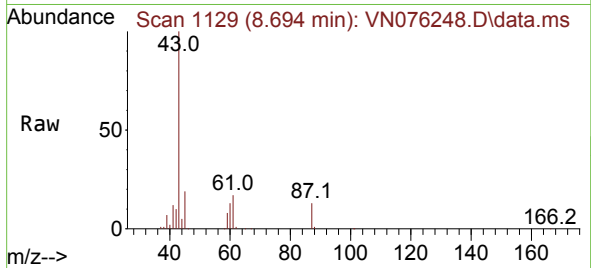




#43
Isopropyl Acetate
Concen: 51.849 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

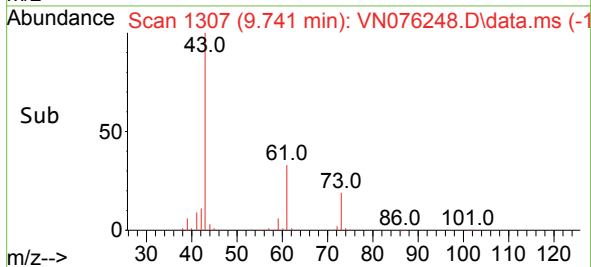
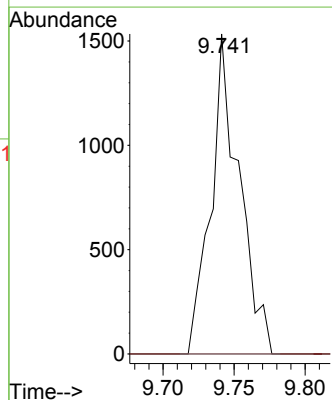
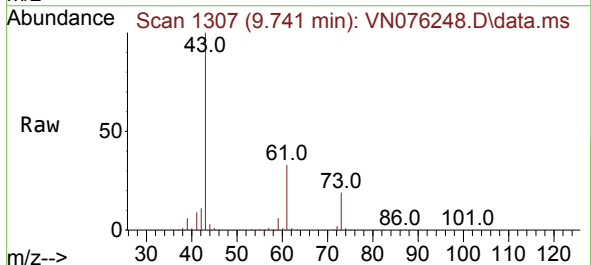
Instrument :
MSVOA_N
ClientSampleId :
WC-3

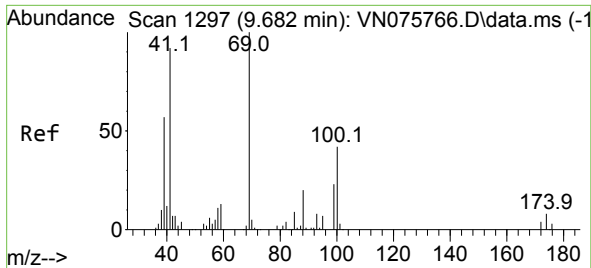
Tgt Ion: 43 Resp: 374564
Ion Ratio Lower Upper
43 100
61 10.7 24.2 36.4#
87 8.1 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.520 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

Tgt Ion: 63 Resp: 2129
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

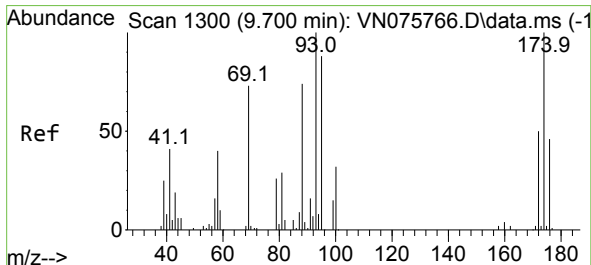
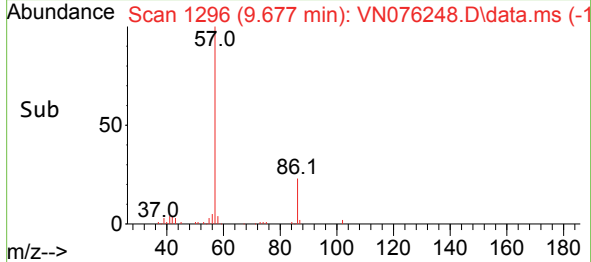
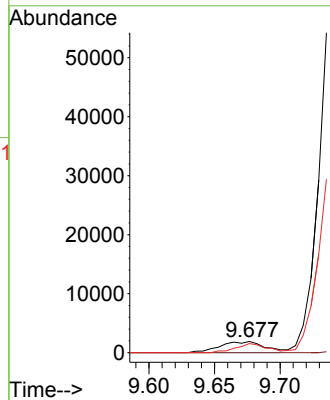
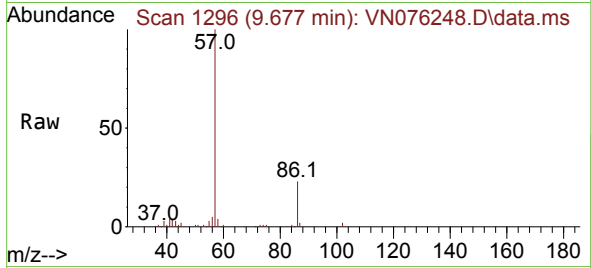




#48
Methyl methacrylate
Concen: 1.367 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

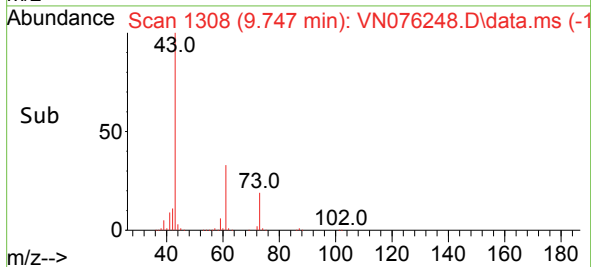
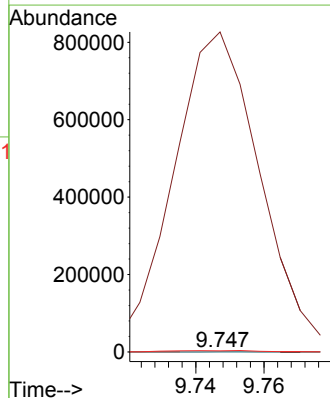
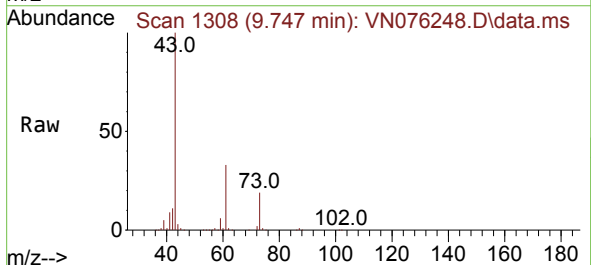
Instrument :
MSVOA_N
ClientSampleId :
WC-3

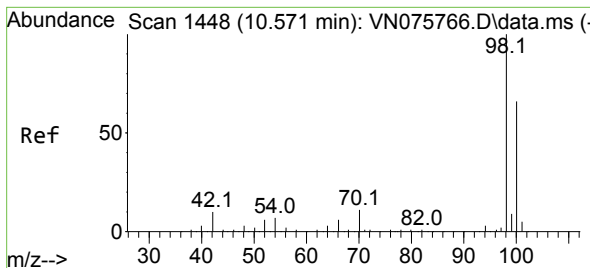
Tgt Ion: 41 Resp: 4448
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 56.0 51.6 77.4



#49
1,4-Dioxane
Concen: 2.763 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

Tgt Ion: 88 Resp: 221
Ion Ratio Lower Upper
88 100
43 673000.9 17.1 25.7#
58 3273.3 47.8 71.8#





#50

Toluene-d8

Concen: 50.202 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076248.D

Acq: 13 Jan 2023 15:03

Instrument :

MSVOA_N

ClientSampleId :

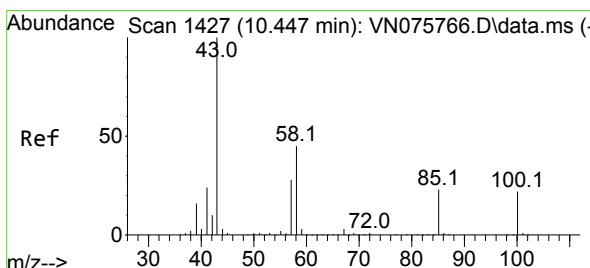
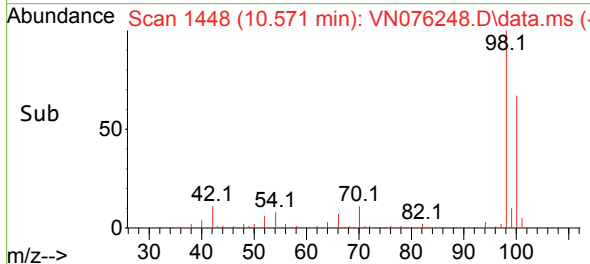
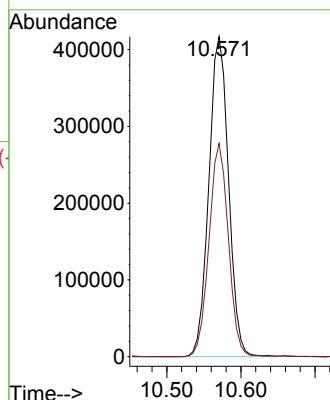
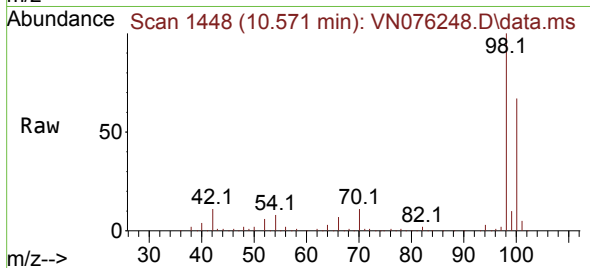
WC-3

Tgt Ion: 98 Resp: 770369

Ion Ratio Lower Upper

98 100

100 65.5 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 3.599 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VN076248.D

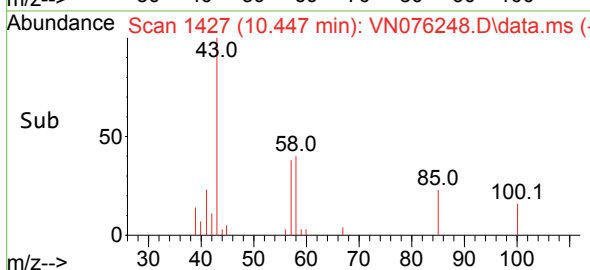
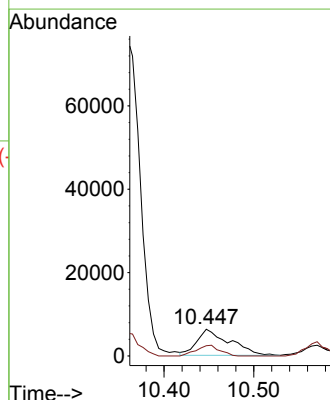
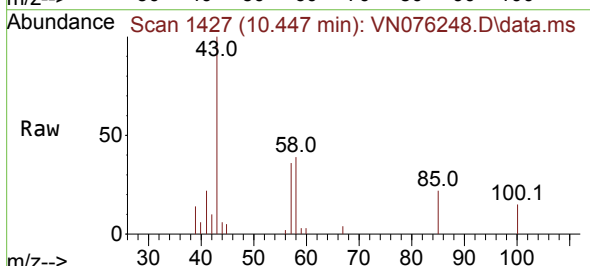
Acq: 13 Jan 2023 15:03

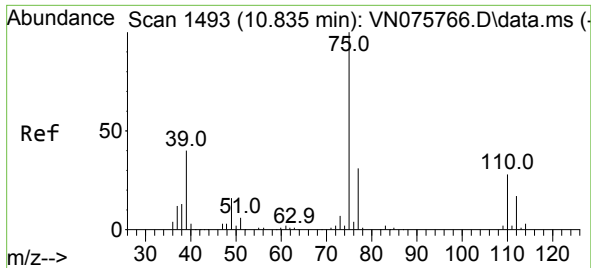
Tgt Ion: 43 Resp: 15725

Ion Ratio Lower Upper

43 100

58 29.4 35.5 53.3#

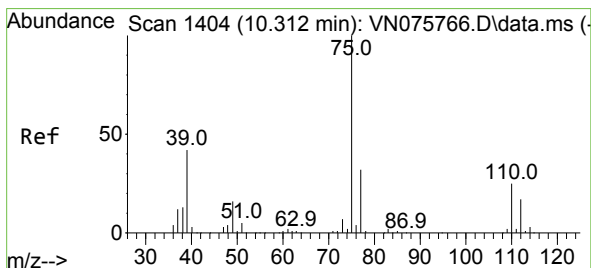
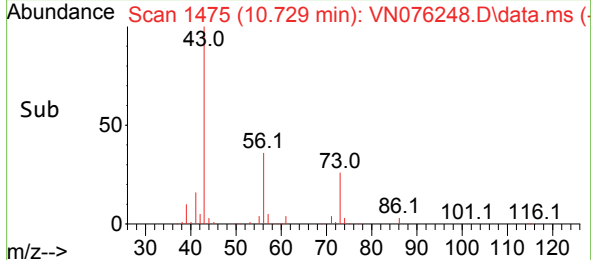
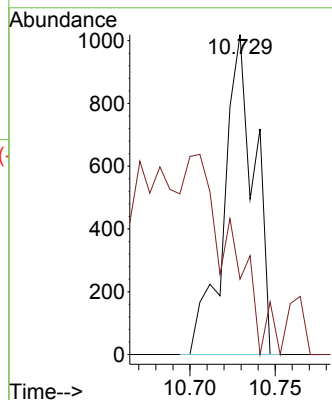
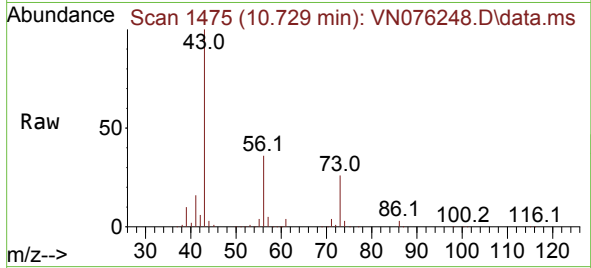




#53
 t-1,3-Dichloropropene
 Concen: 0.218 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN076248.D
 Acq: 13 Jan 2023 15:03

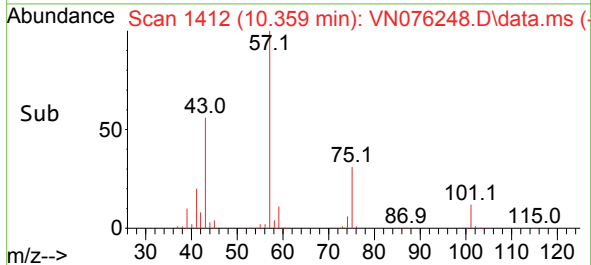
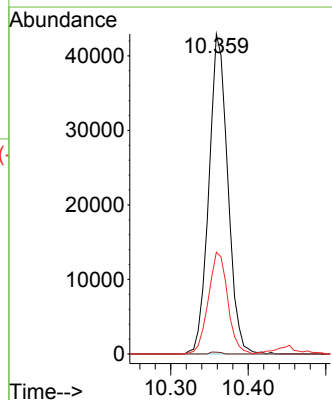
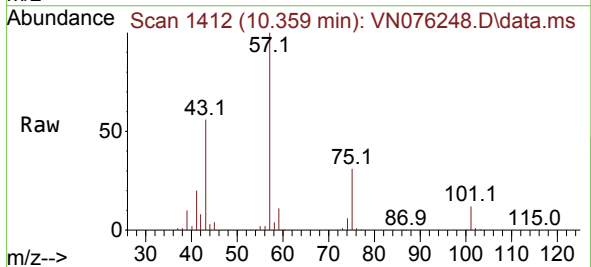
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

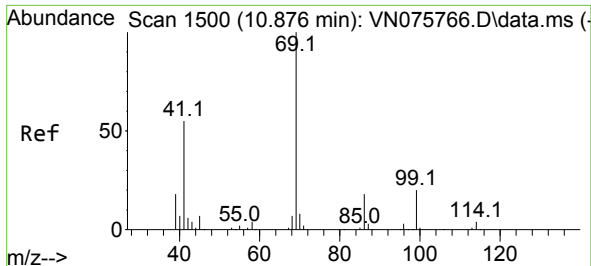
Tgt Ion: 75 Resp: 1270
 Ion Ratio Lower Upper
 75 100
 77 23.6 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 11.365 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076248.D
 Acq: 13 Jan 2023 15:03

Tgt Ion: 75 Resp: 72726
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.8 38.8#
 39 31.8 33.4 50.2#

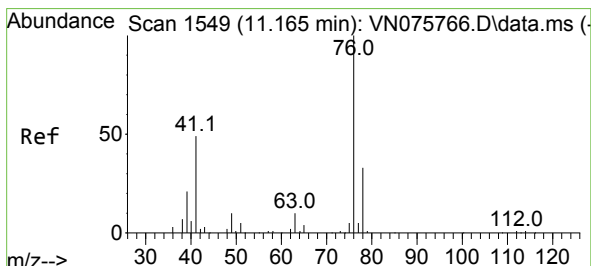
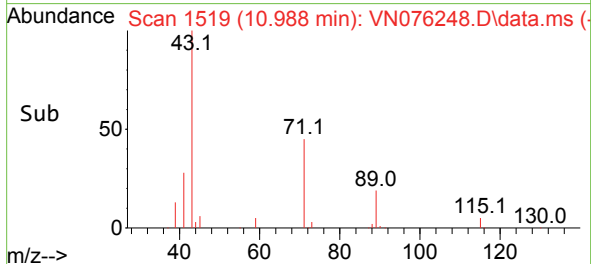
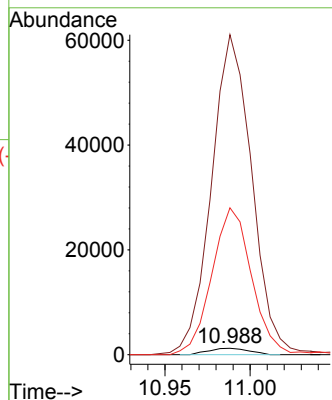
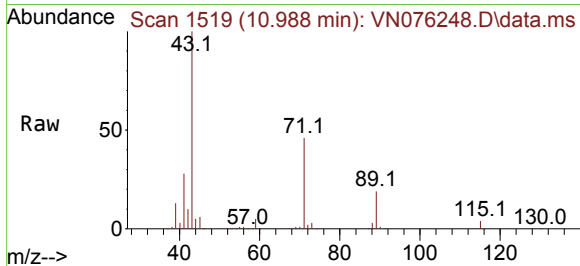




#56
Ethyl methacrylate
Concen: 0.354 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

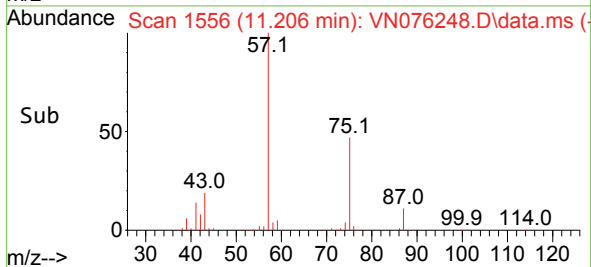
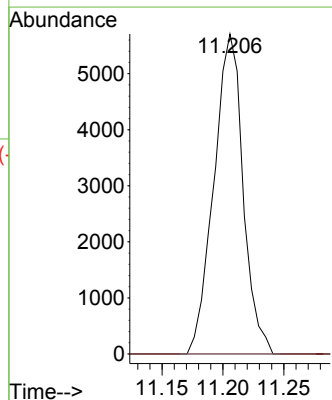
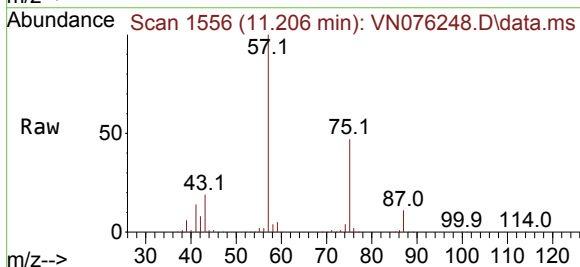
Instrument :
MSVOA_N
ClientSampleId :
WC-3

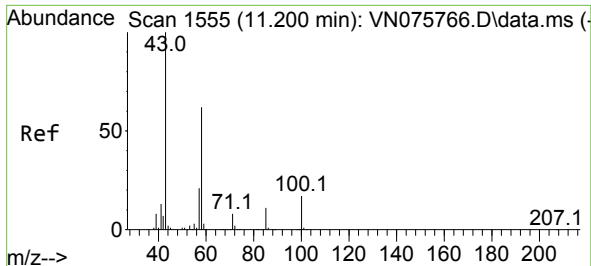
Tgt Ion: 69 Resp: 2024
Ion Ratio Lower Upper
69 100
41 4990.8 44.2 66.4#
39 2273.0 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.351 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

Tgt Ion: 76 Resp: 9532
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

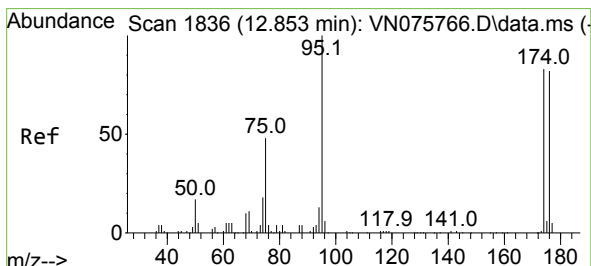
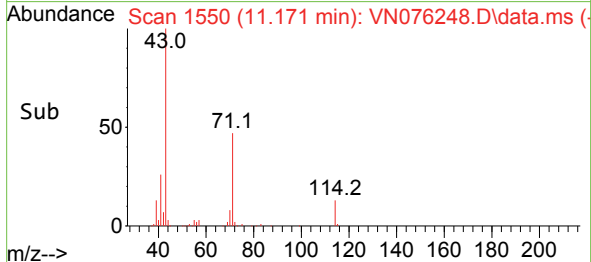
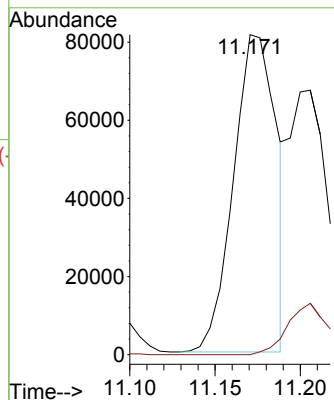
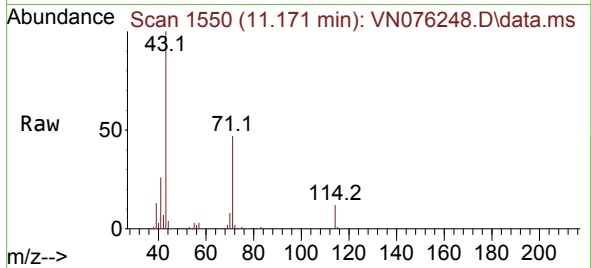




#59
2-Hexanone
Concen: 44.568 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

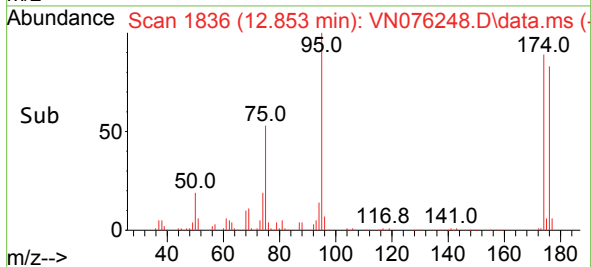
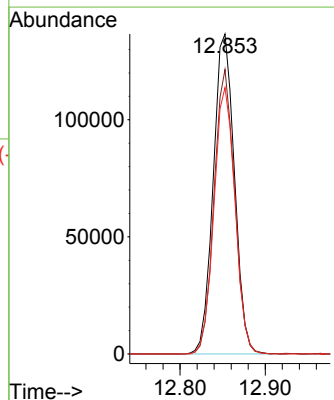
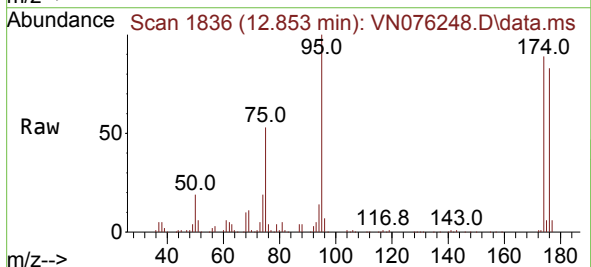
Instrument :
MSVOA_N
ClientSampleId :
WC-3

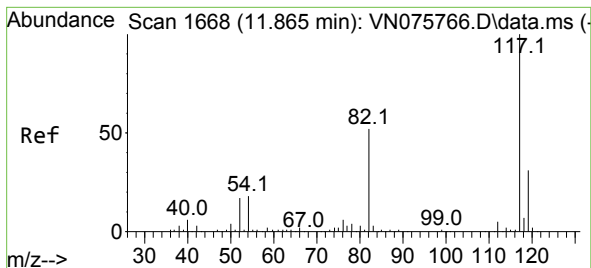
Tgt Ion: 43 Resp: 141998
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 46.486 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

Tgt Ion: 95 Resp: 236269
Ion Ratio Lower Upper
95 100
174 86.5 0.0 171.6
176 82.7 0.0 169.2

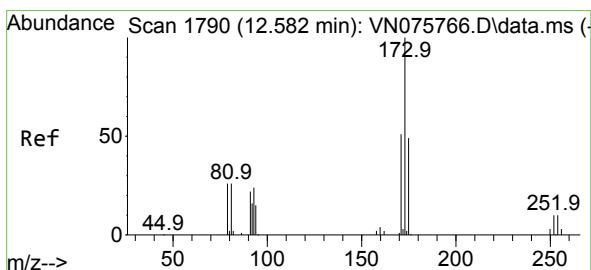
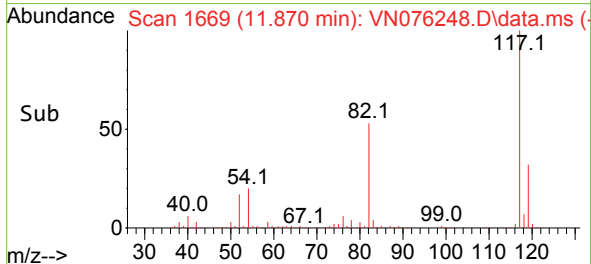
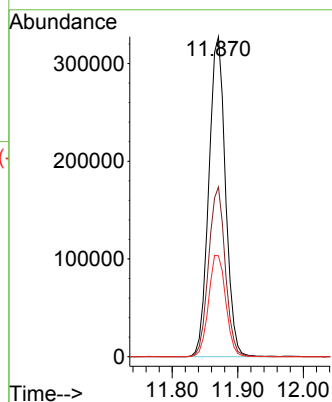
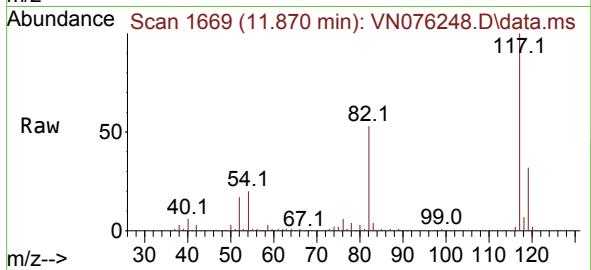




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

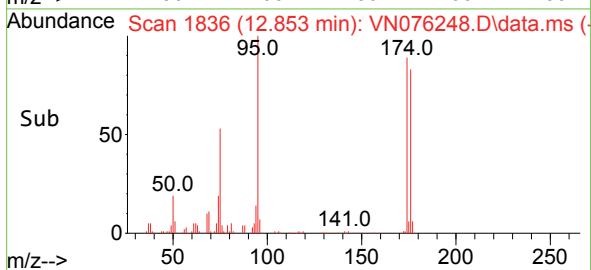
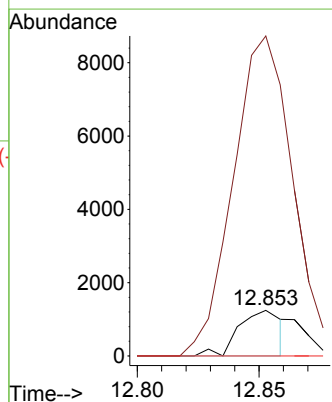
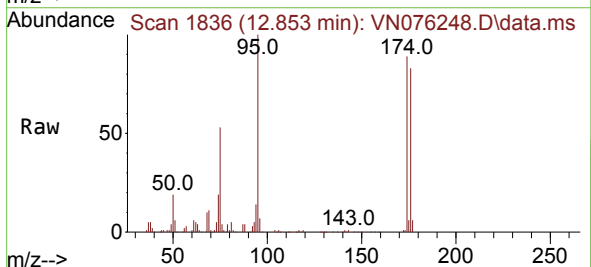
Instrument :
MSVOA_N
ClientSampleId :
WC-3

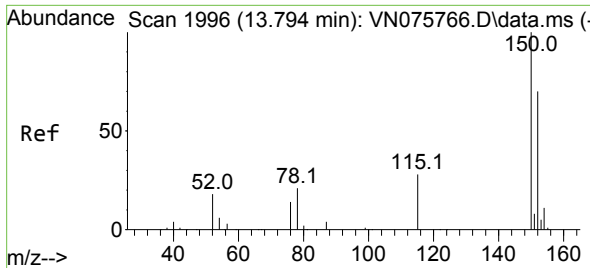
Tgt Ion:117 Resp: 577058
Ion Ratio Lower Upper
117 100
82 53.1 41.3 61.9
119 31.6 24.6 37.0



#71
Bromoform
Concen: 0.476 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

Tgt Ion:173 Resp: 1520
Ion Ratio Lower Upper
173 100
175 797.4 24.3 72.8#
254 0.0 0.0 0.0

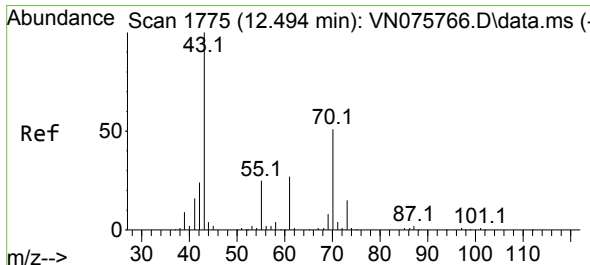
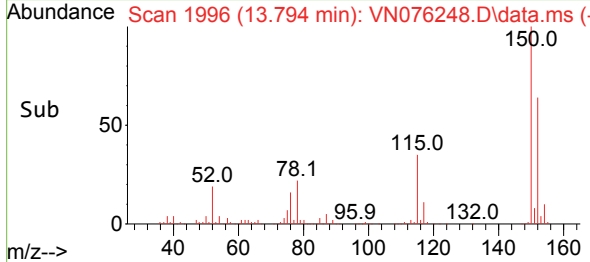
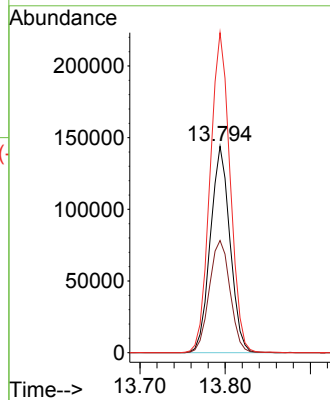
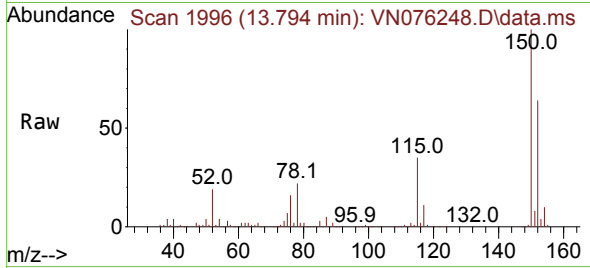




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

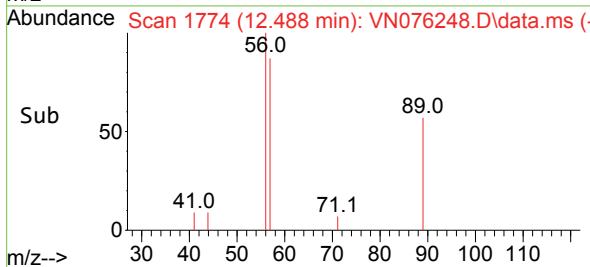
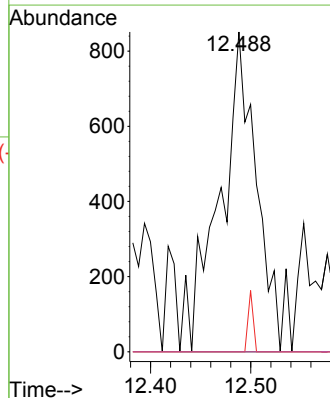
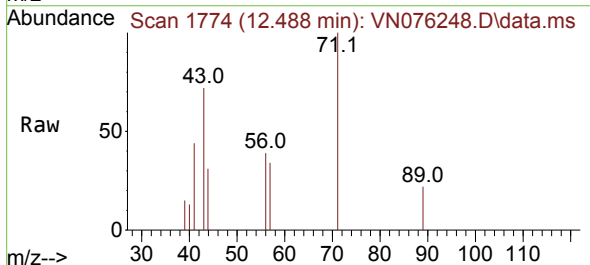
Instrument :
MSVOA_N
ClientSampleId :
WC-3

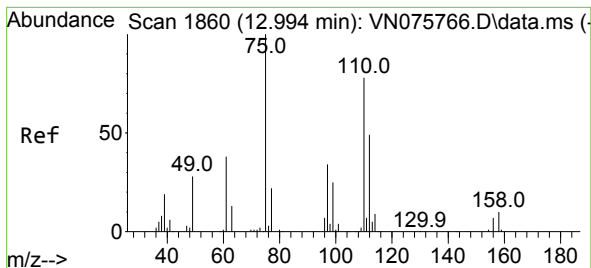
Tgt Ion:152 Resp: 231051
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.4
150 158.1 0.0 347.0



#74
N-ethyl acetate
Concen: 0.442 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN076248.D
Acq: 13 Jan 2023 15:03

Tgt Ion: 43 Resp: 2165
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 2.6 21.3 31.9#
61 0.0 21.2 31.8#





#76

1,2,3-Trichloropropane

Concen: 26.657 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076248.D

Acq: 13 Jan 2023 15:03

Instrument :

MSVOA_N

ClientSampleId :

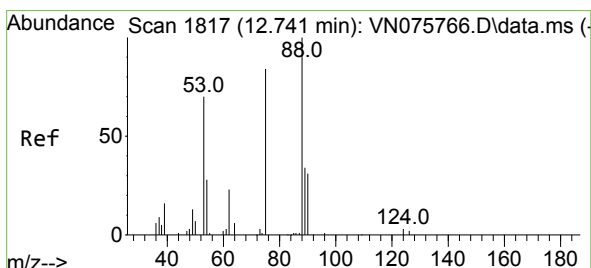
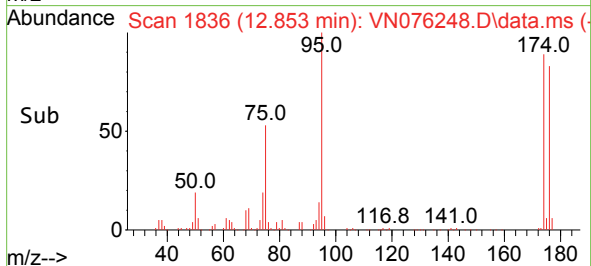
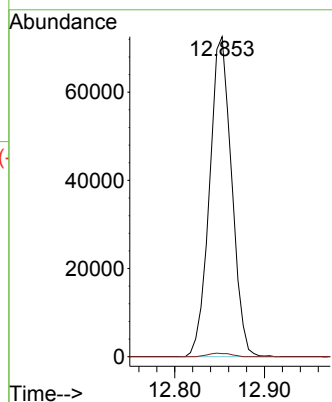
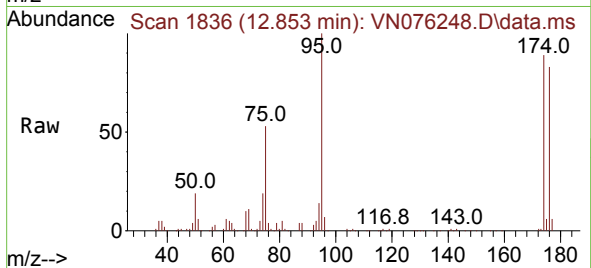
WC-3

Tgt Ion: 75 Resp: 124151

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.950 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076248.D

Acq: 13 Jan 2023 15:03

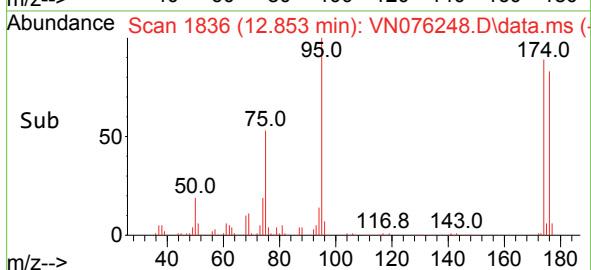
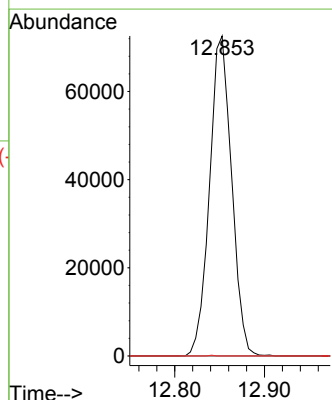
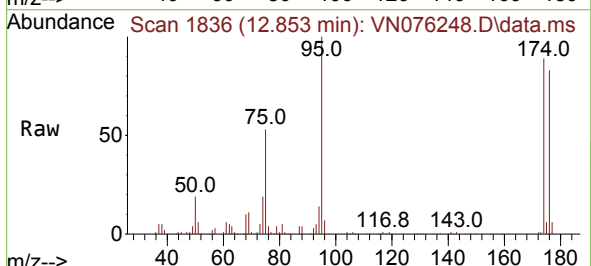
Tgt Ion: 75 Resp: 124151

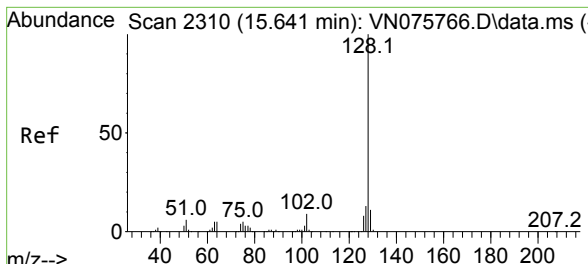
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.1 39.5 59.3#





#95
 Naphthalene
 Concen: 2.241 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076248.D
 Acq: 13 Jan 2023 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

Tgt Ion:128	Resp:	832
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.4 15.6#
129	0.0	8.7 13.1#

