

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
 Data File : VN082219.D
 Acq On : 20 May 2024 19:00
 Operator : JC\MD
 Sample : P2518-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-MH-MM

Quant Time: May 21 03:52:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

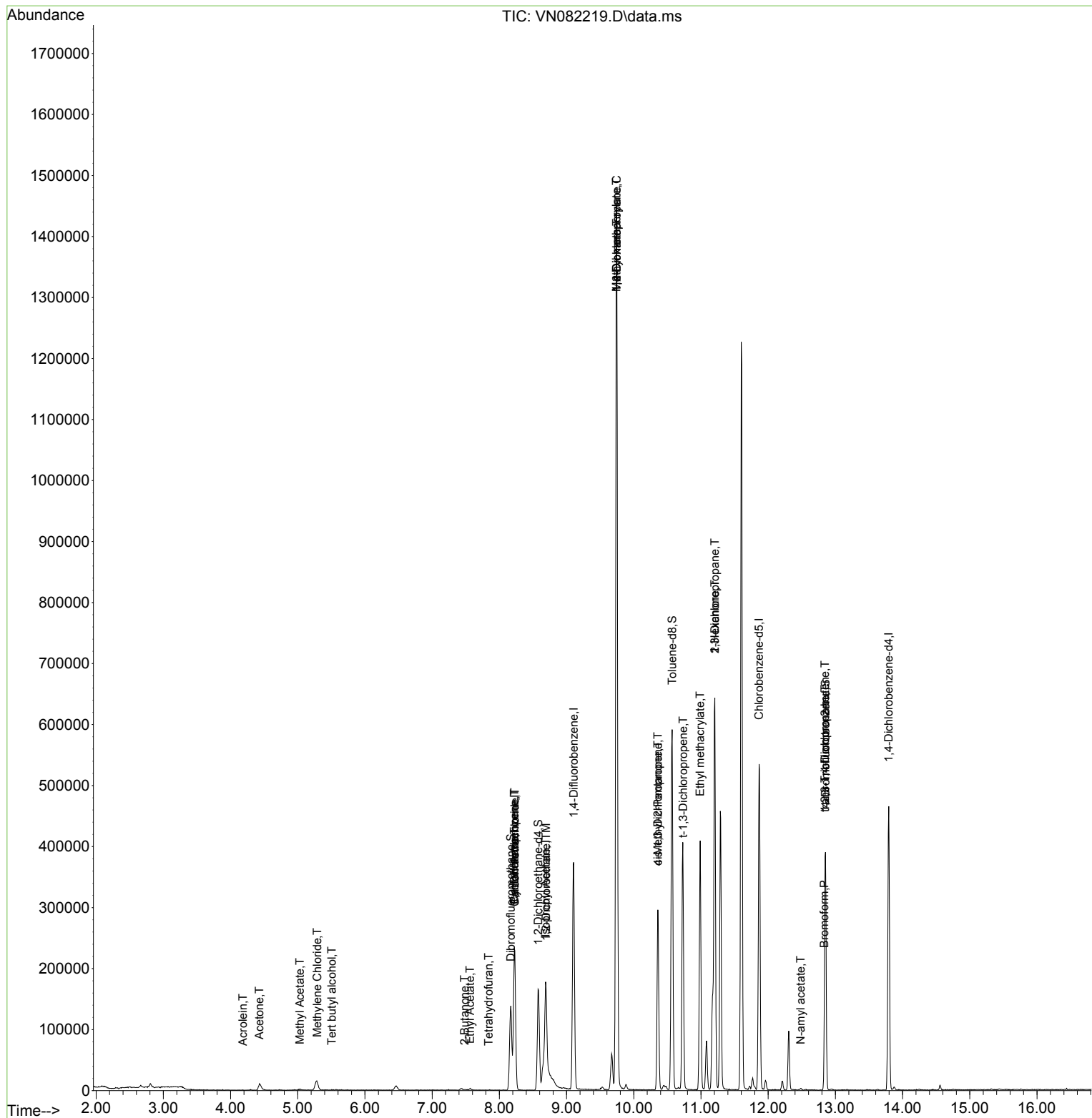
Internal Standards						
1) Pentafluorobenzene	8.224	168	161093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	292330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136312	53.588	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.180%	
35) Dibromofluoromethane	8.171	113	96738	53.795	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.580%	
50) Toluene-d8	10.571	98	380595	55.203	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.400%	
62) 4-Bromofluorobenzene	12.853	95	125200	50.878	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.760%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	134	0.328	ug/l #	71
13) Acrolein	4.183	56	73	0.241	ug/l #	15
16) Acetone	4.430	43	20611	19.752	ug/l	93
18) Methyl Acetate	5.030	43	2866	1.103	ug/l #	53
20) Methylene Chloride	5.289	84	10824	5.141	ug/l #	84
25) 2-Butanone	7.483	43	2042	1.291	ug/l #	43
29) Tetrahydrofuran	7.841	42	381	0.375	ug/l #	29
31) Cyclohexane	8.224	56	4883	1.202	ug/l #	30
36) 1,1-Dichloropropene	8.224	75	15384	5.101	ug/l #	50
37) Ethyl Acetate	7.565	43	4036	1.196	ug/l #	80
38) Carbon Tetrachloride	8.230	117	17015	5.565	ug/l #	18
42) 1,2-Dichloroethane	8.694	62	1029	0.297	ug/l #	73
43) Isopropyl Acetate	8.688	43	289581	48.419	ug/l #	69
45) 1,2-Dichloropropane	9.747	63	1385	0.597	ug/l #	45
48) Methyl methacrylate	9.741	41	146381	51.365	ug/l #	37
49) 1,4-Dioxane	9.747	88	76	1.903	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	119487	35.163	ug/l #	43
53) t-1,3-Dichloropropene	10.735	75	800	0.241	ug/l #	88
54) cis-1,3-Dichloropropene	10.359	75	46193	13.120	ug/l #	75
56) Ethyl methacrylate	10.988	69	1387	0.417	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6166	1.681	ug/l #	42
59) 2-Hexanone	11.206	43	97757	39.290	ug/l #	48
71) Bromoform	12.835	173	178	0.808	ug/l #	28
74) N-amyl acetate	12.482	43	1776	0.346	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	74873	30.242	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74873	70.735	ug/l #	12

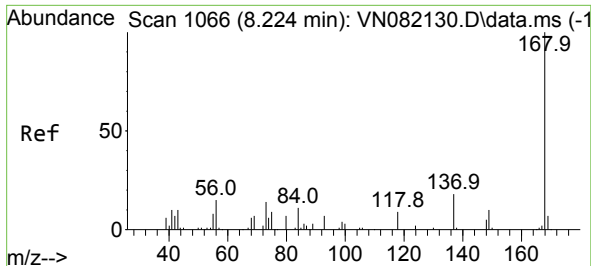
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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WC-MH-MM

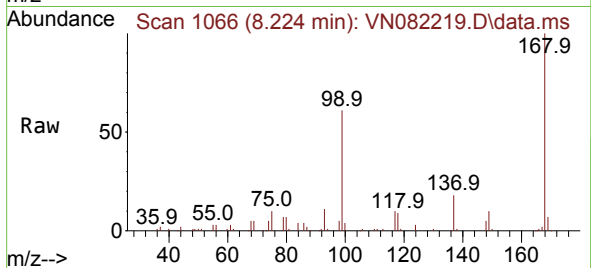
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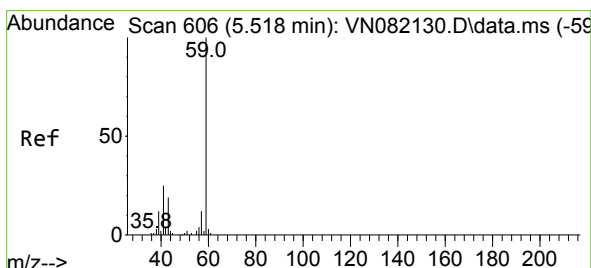
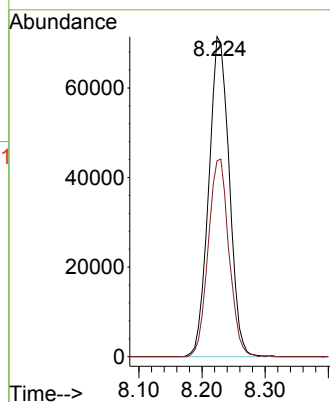
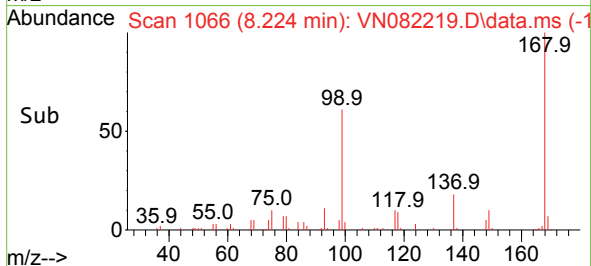


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

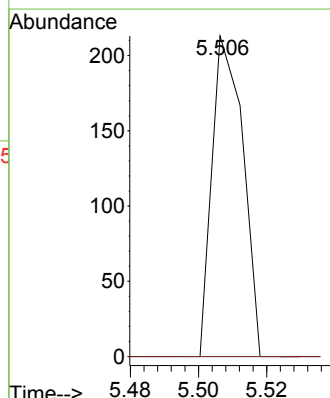
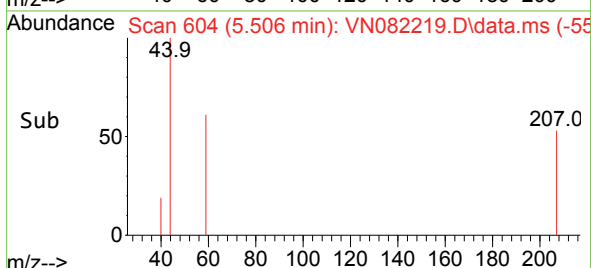
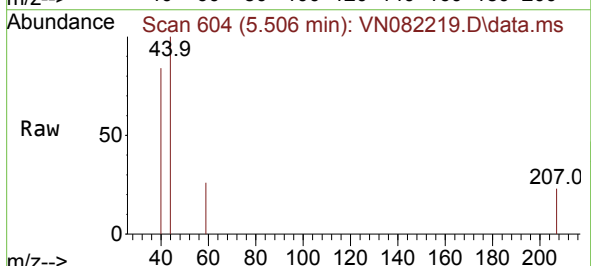


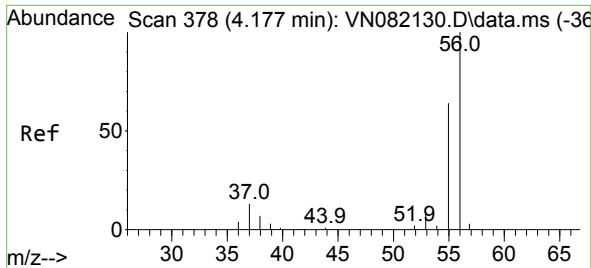
Tgt Ion:168 Resp: 161093
Ion Ratio Lower Upper
168 100
99 61.2 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.328 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

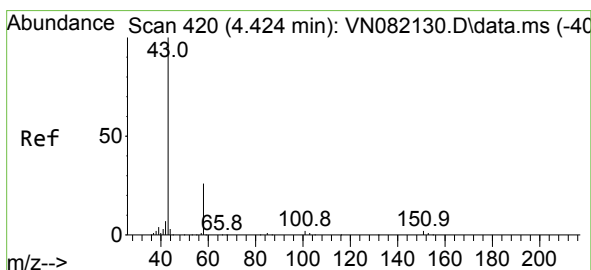
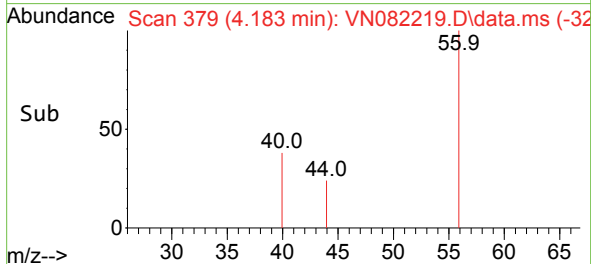
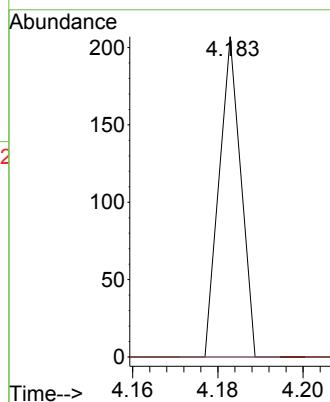
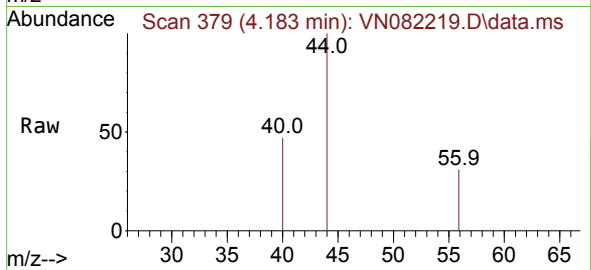




#13
Acrolein
Concen: 0.241 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

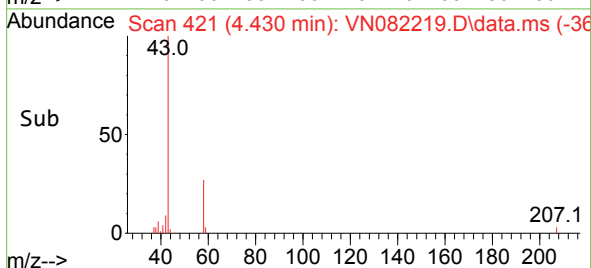
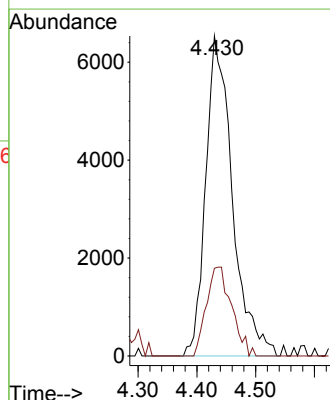
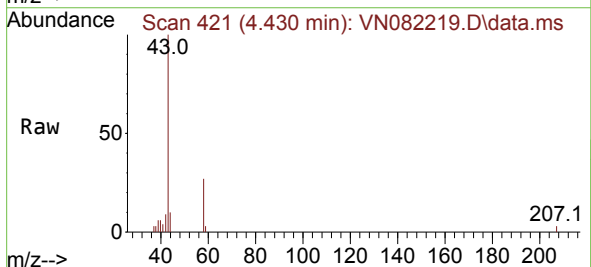
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

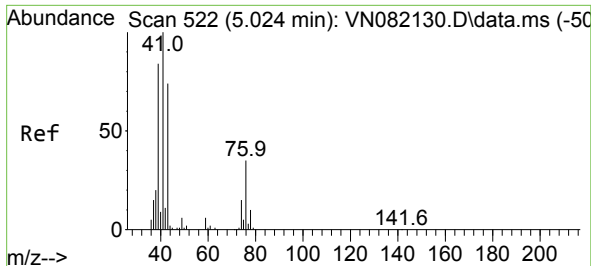
Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 19.752 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Tgt Ion: 43 Resp: 20611
Ion Ratio Lower Upper
43 100
58 27.4 25.2 37.8





#18

Methyl Acetate

Concen: 1.103 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN082219.D

Acq: 20 May 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :

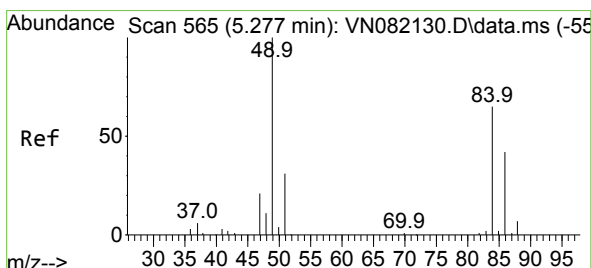
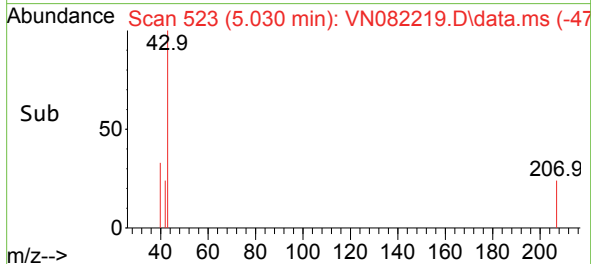
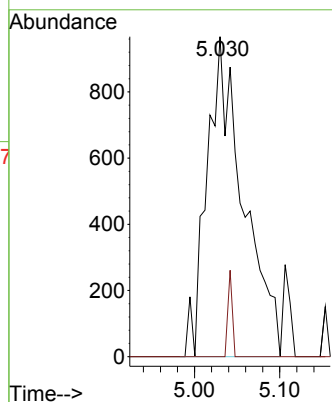
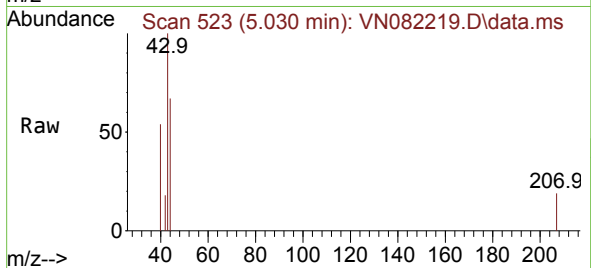
WC-MH-MM

Tgt Ion: 43 Resp: 2866

Ion Ratio Lower Upper

43 100

74 3.2 22.2 33.2#



#20

Methylene Chloride

Concen: 5.141 ug/l

RT: 5.289 min Scan# 567

Delta R.T. 0.012 min

Lab File: VN082219.D

Acq: 20 May 2024 19:00

Tgt Ion: 84 Resp: 10824

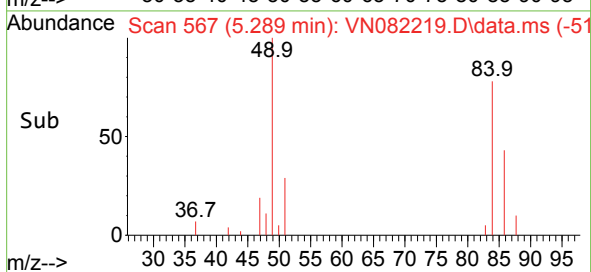
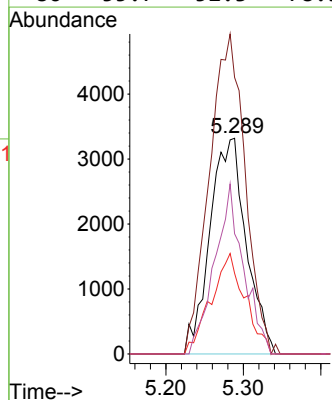
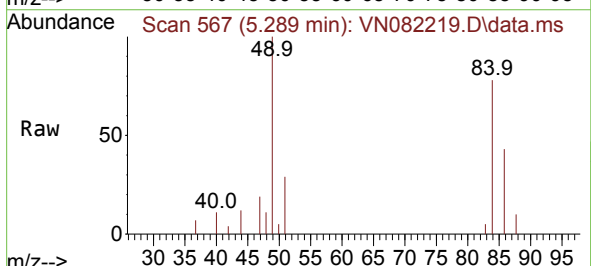
Ion Ratio Lower Upper

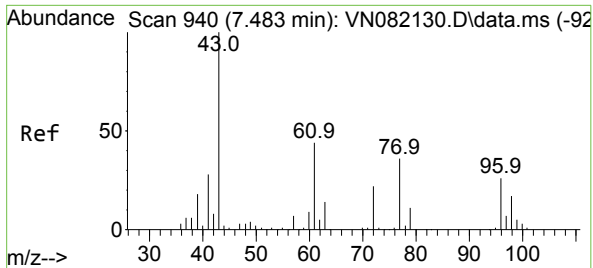
84 100

49 128.2 84.9 127.3#

51 37.4 27.0 40.6

86 55.7 52.3 78.5

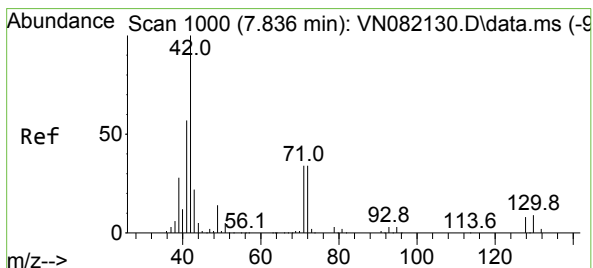
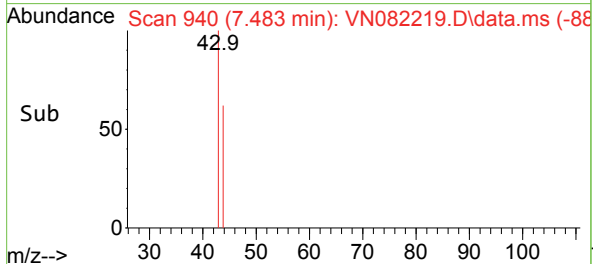
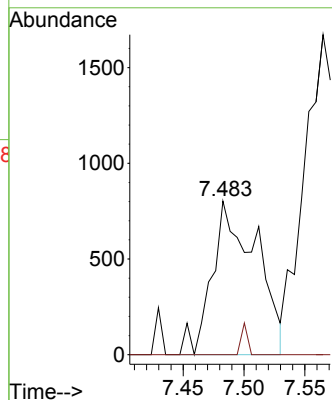
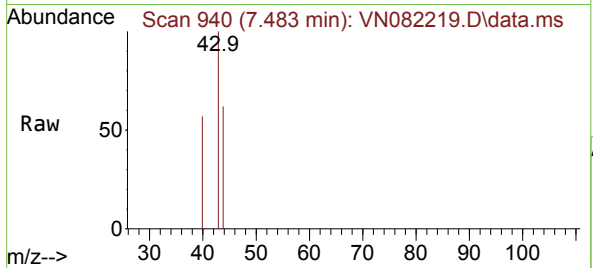




#25
2-Butanone
Concen: 1.291 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

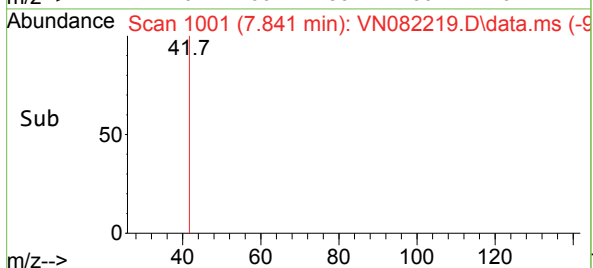
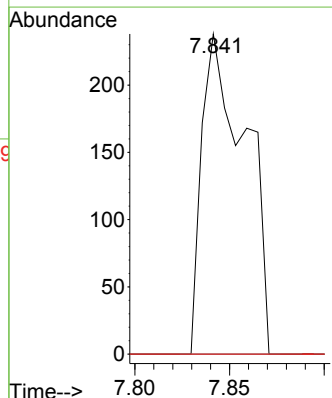
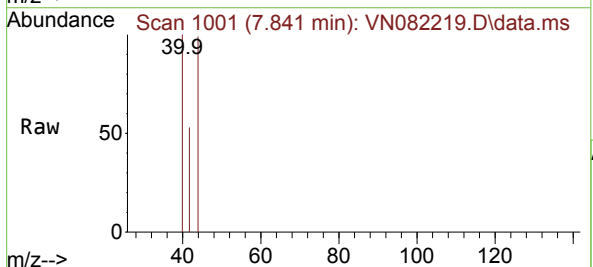
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

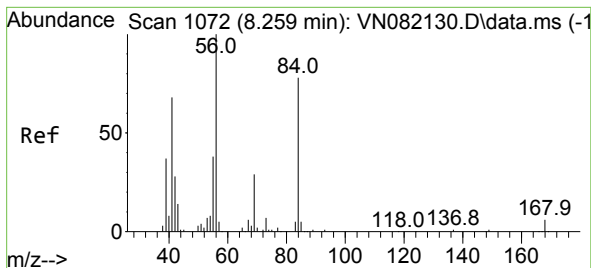
Tgt Ion: 43 Resp: 2042
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.375 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.005 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Tgt Ion: 42 Resp: 381
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#





#31

Cyclohexane

Concen: 1.202 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082219.D

Acq: 20 May 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :

WC-MH-MM

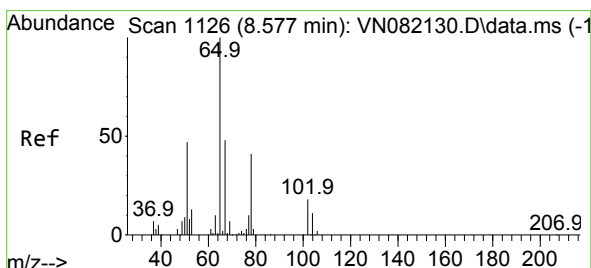
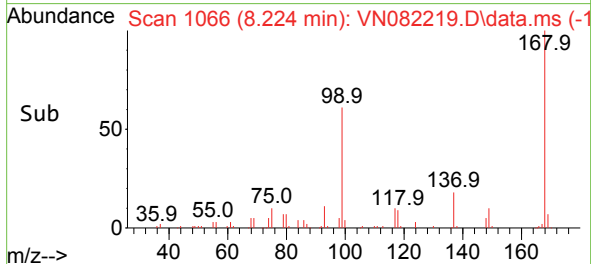
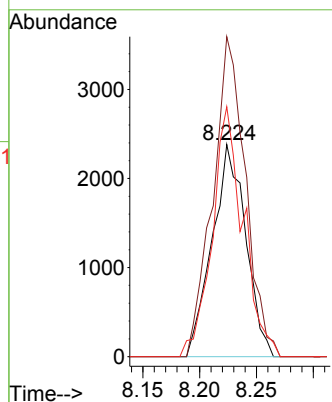
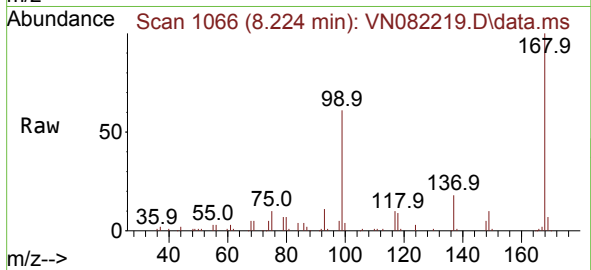
Tgt Ion: 56 Resp: 4883

Ion Ratio Lower Upper

56 100

69 150.9 24.4 36.6#

84 117.8 77.0 115.4#



#33

1,2-Dichloroethane-d4

Concen: 53.588 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN082219.D

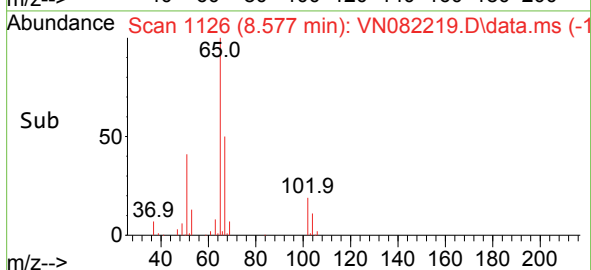
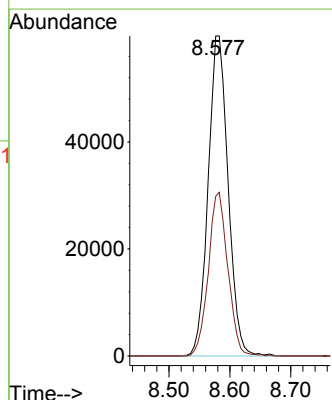
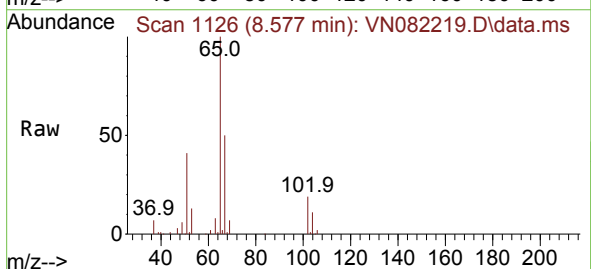
Acq: 20 May 2024 19:00

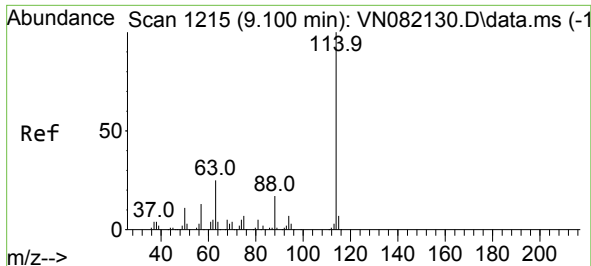
Tgt Ion: 65 Resp: 136312

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082219.D

Acq: 20 May 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :

WC-MH-MM

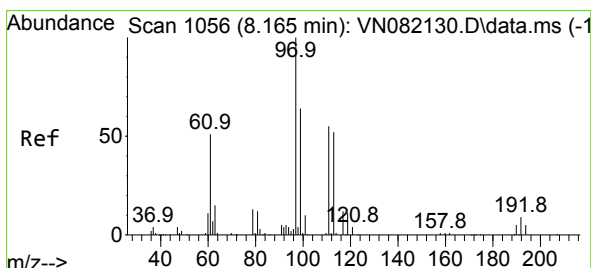
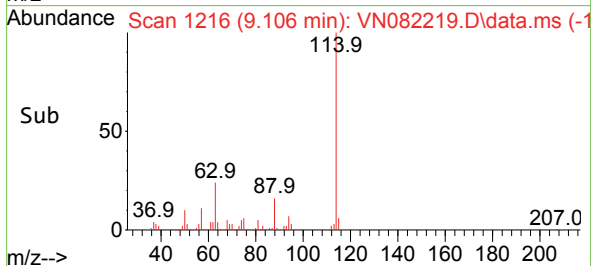
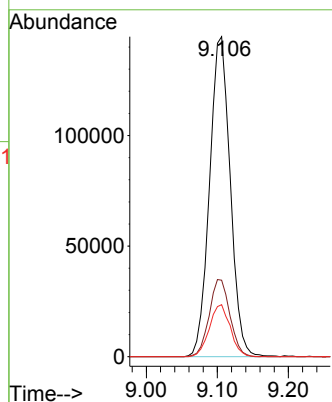
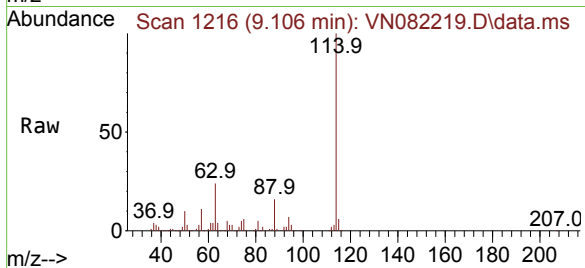
Tgt Ion:114 Resp: 292330

Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.0

88 16.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.795 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082219.D

Acq: 20 May 2024 19:00

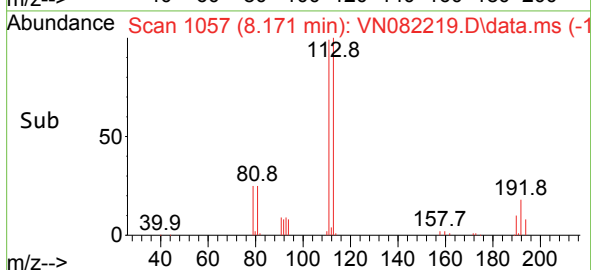
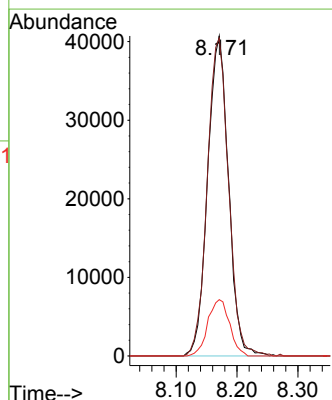
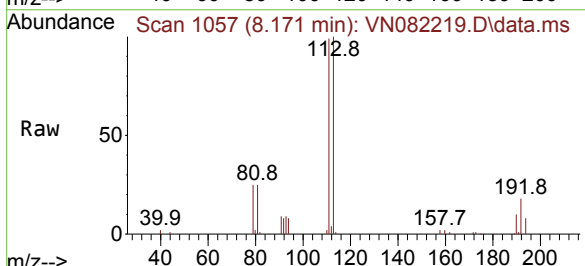
Tgt Ion:113 Resp: 96738

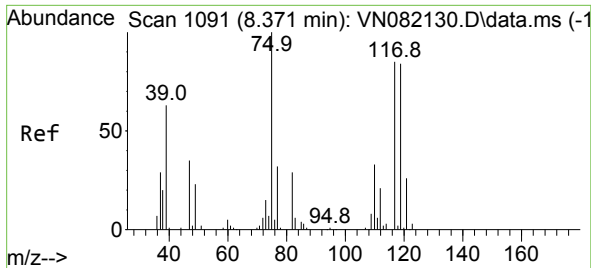
Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.2

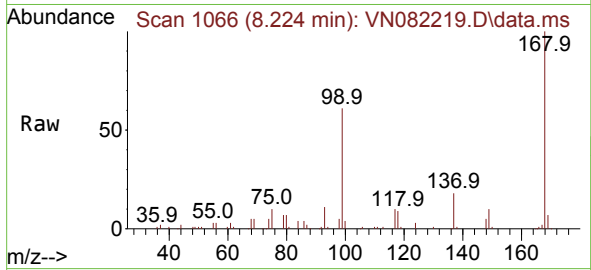
192 18.4 14.0 21.0



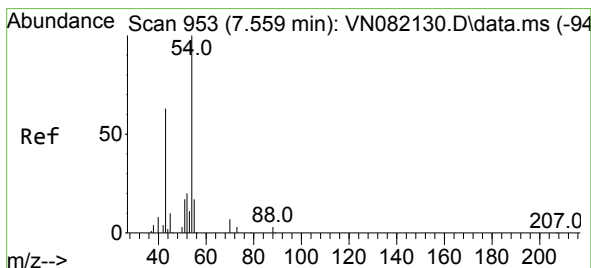
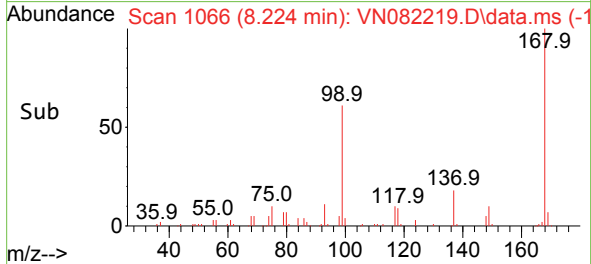
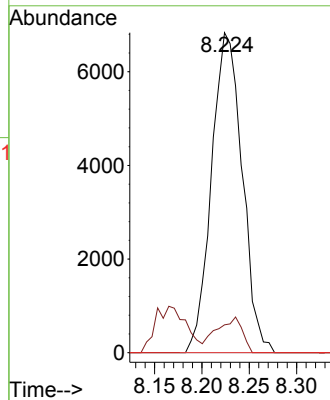


#36
1,1-Dichloropropene
Concen: 5.101 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

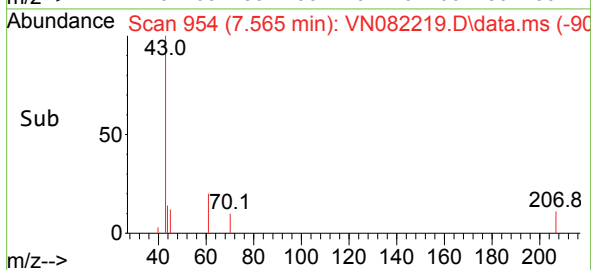
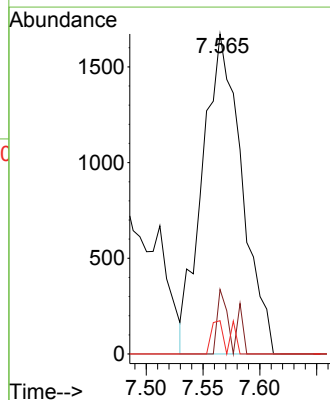
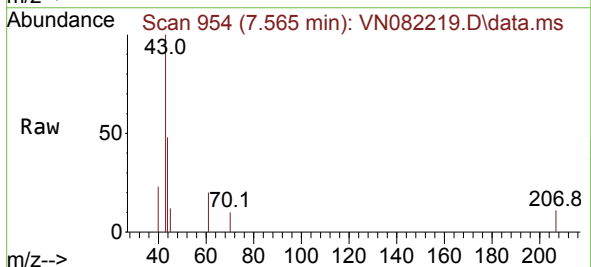


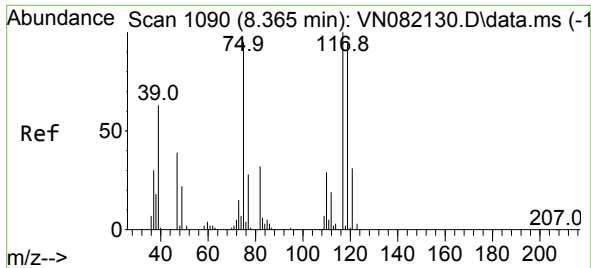
Tgt Ion: 75 Resp: 15384
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.196 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

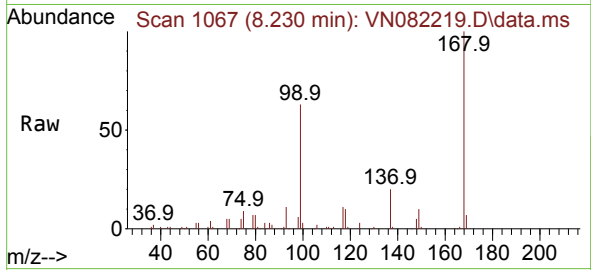
Tgt Ion: 43 Resp: 4036
Ion Ratio Lower Upper
43 100
61 4.9 11.3 16.9#
70 4.5 8.7 13.1#



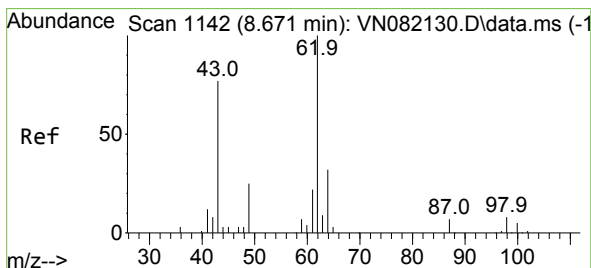
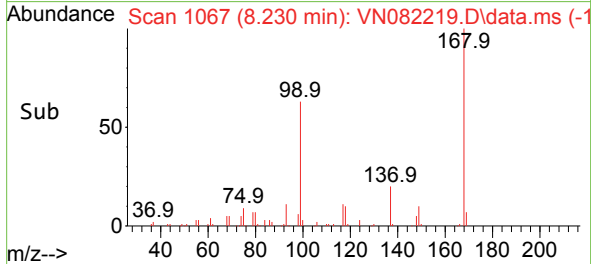
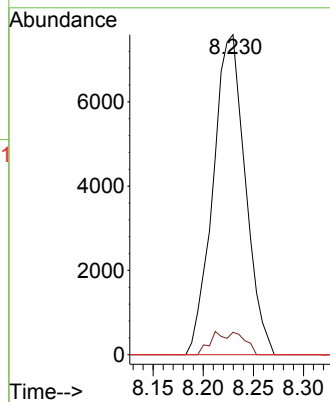


#38
Carbon Tetrachloride
Concen: 5.565 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

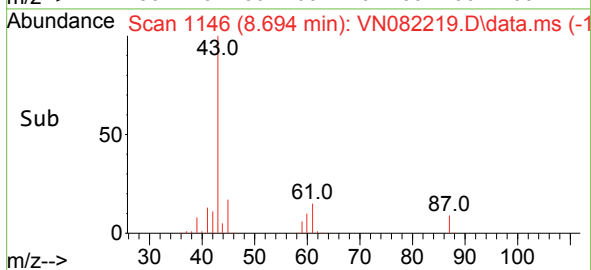
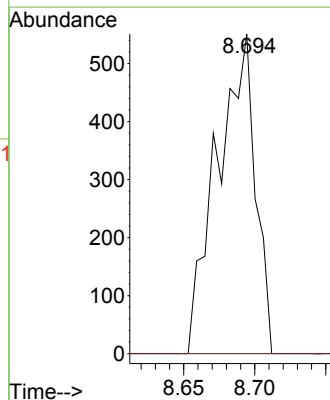
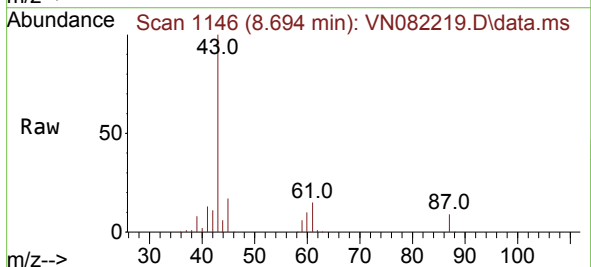


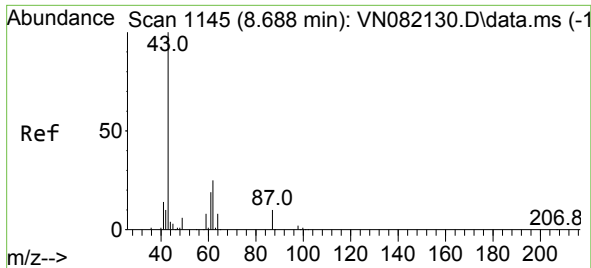
Tgt Ion:117 Resp: 17015
Ion Ratio Lower Upper
117 100
119 7.0 76.5 114.7#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.297 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Tgt Ion: 62 Resp: 1029
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

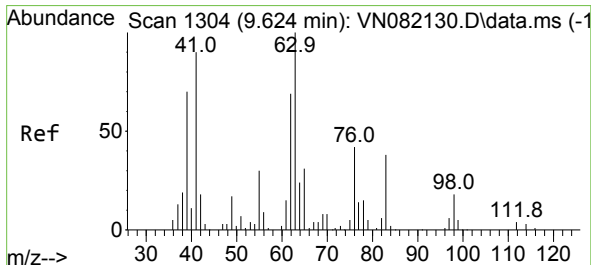
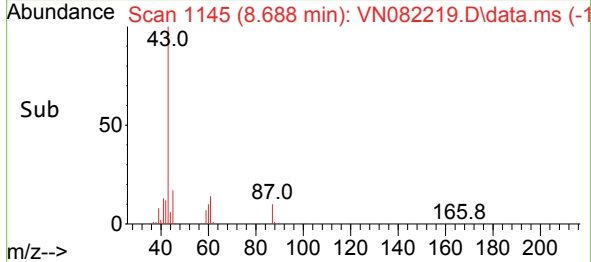
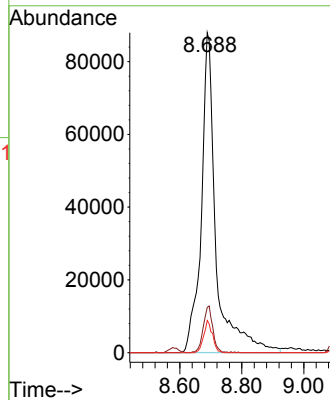
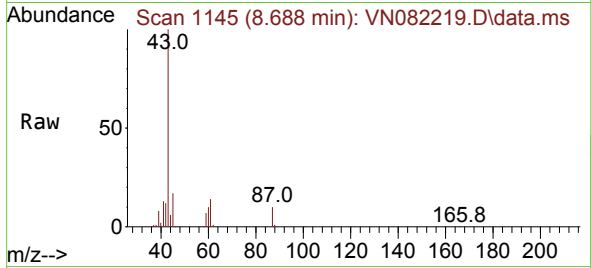




#43
Isopropyl Acetate
Concen: 48.419 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

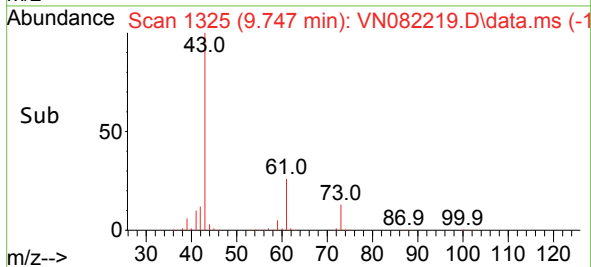
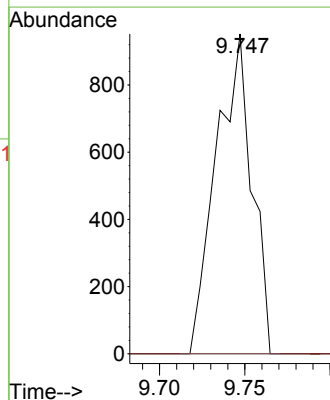
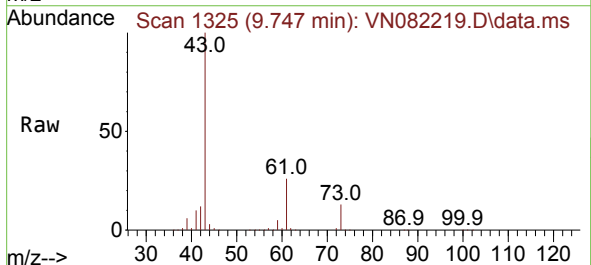
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

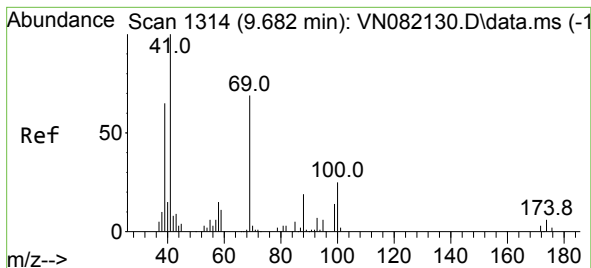
Tgt Ion: 43 Resp: 289581
Ion Ratio Lower Upper
43 100
61 9.5 22.8 34.2#
87 6.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.597 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Tgt Ion: 63 Resp: 1385
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#





#48

Methyl methacrylate

Concen: 51.365 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN082219.D

Acq: 20 May 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :

WC-MH-MM

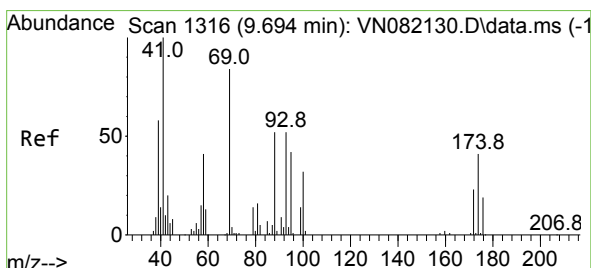
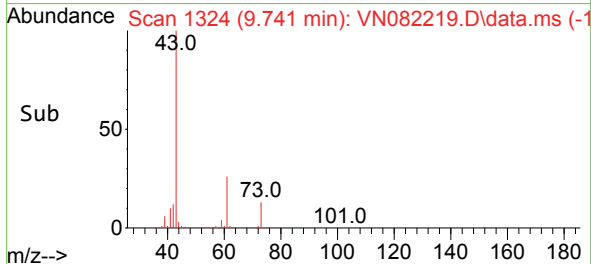
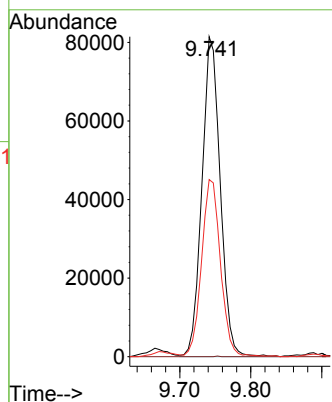
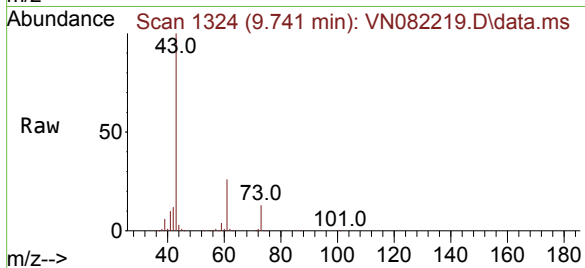
Tgt Ion: 41 Resp: 146381

Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 57.2 50.9 76.3



#49

1,4-Dioxane

Concen: 1.903 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN082219.D

Acq: 20 May 2024 19:00

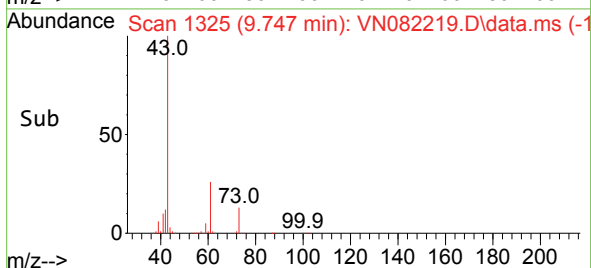
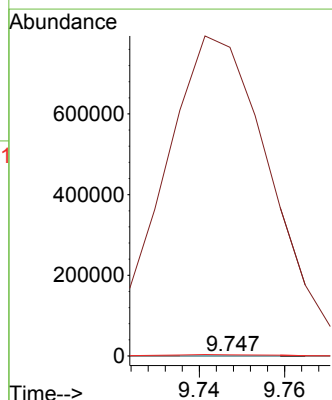
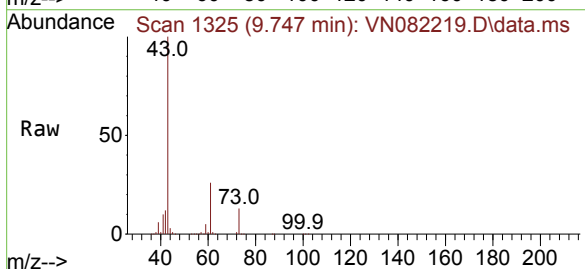
Tgt Ion: 88 Resp: 76

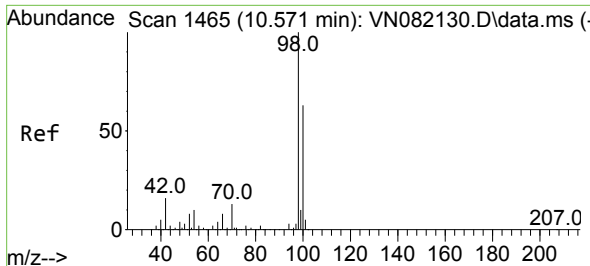
Ion Ratio Lower Upper

88 100

43 1876484.2 19.0 28.6#

58 8038.2 50.6 76.0#

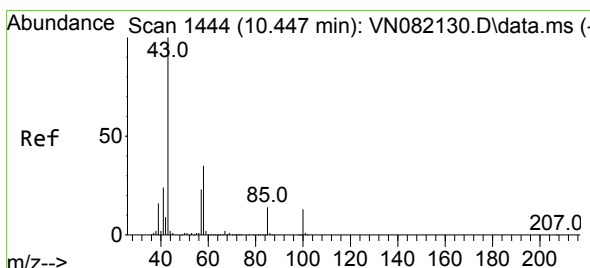
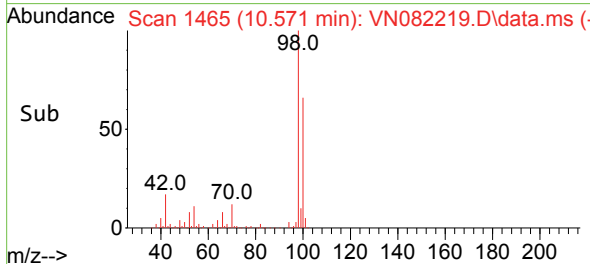
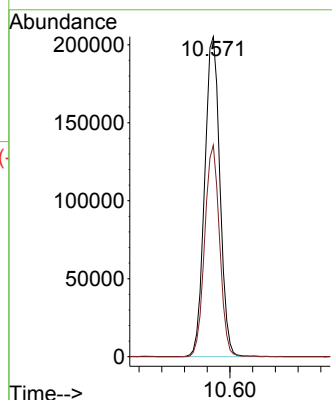
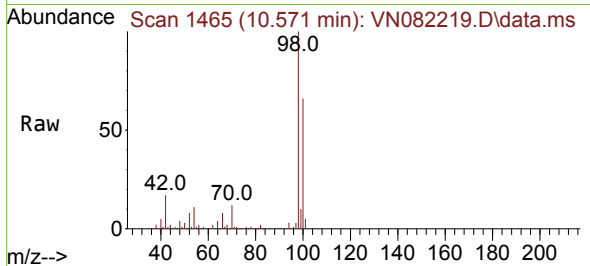




#50
Toluene-d8
Concen: 55.203 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

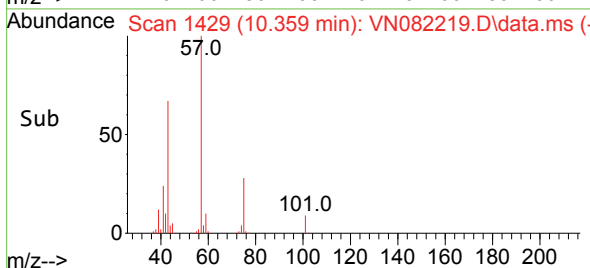
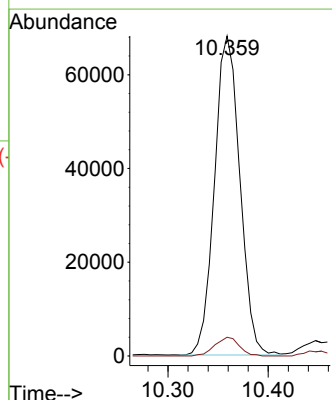
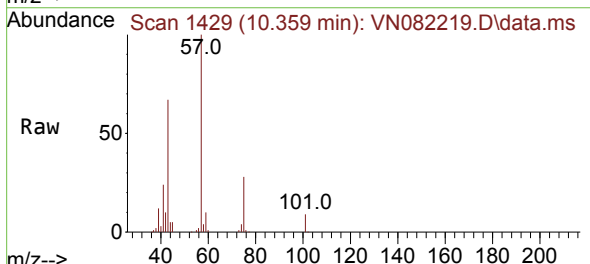
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

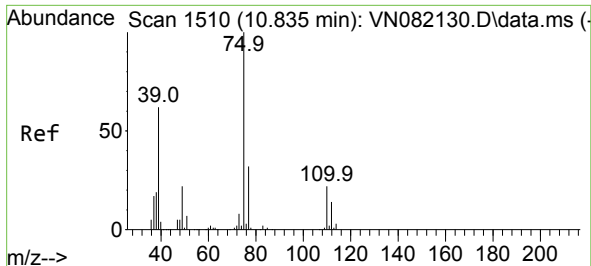
Tgt Ion: 98 Resp: 380595
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 35.163 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Tgt Ion: 43 Resp: 119487
Ion Ratio Lower Upper
43 100
58 5.6 33.2 49.8#

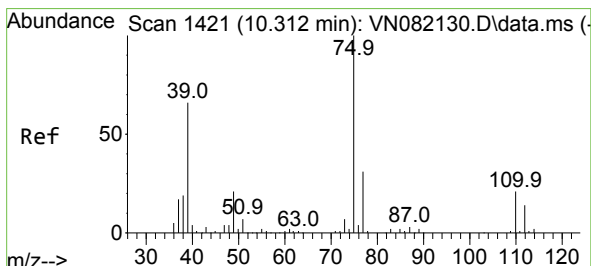
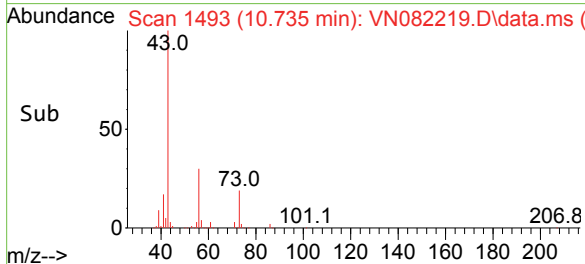
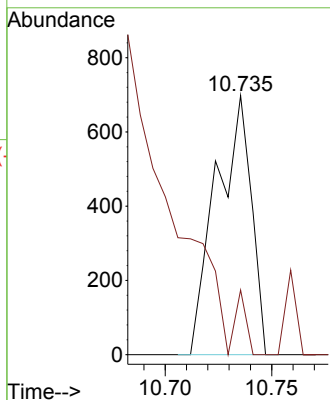
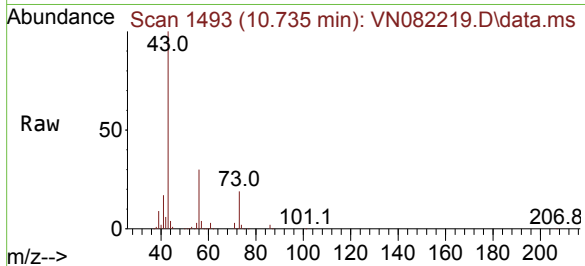




#53
t-1,3-Dichloropropene
Concen: 0.241 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

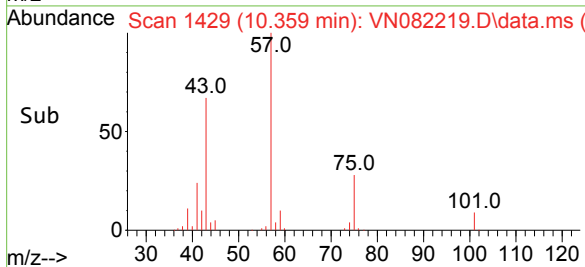
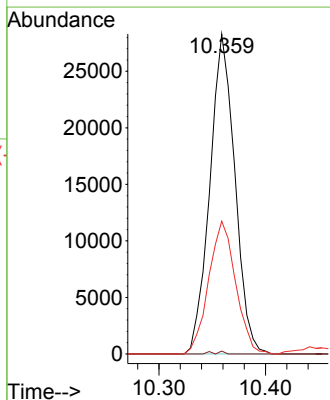
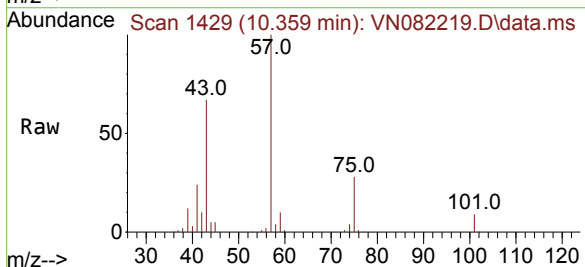
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

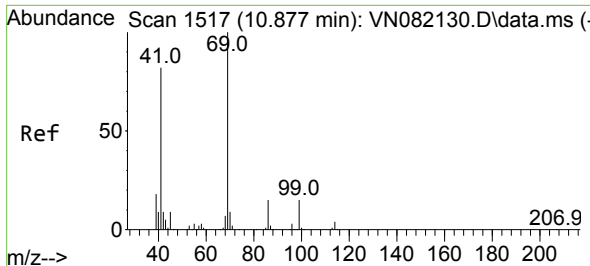
Tgt Ion: 75 Resp: 800
Ion Ratio Lower Upper
75 100
77 24.9 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 13.120 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Tgt Ion: 75 Resp: 46193
Ion Ratio Lower Upper
75 100
77 0.9 25.0 37.4#
39 41.5 34.8 52.2

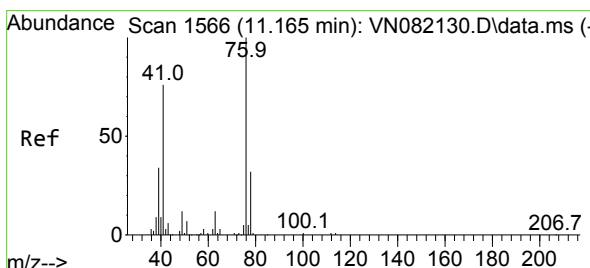
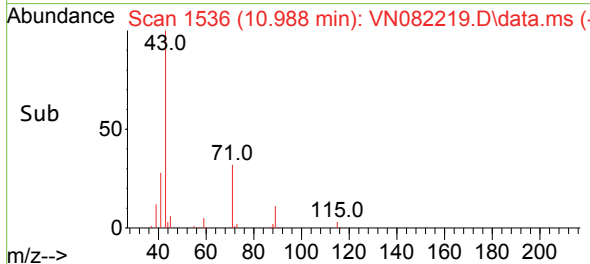
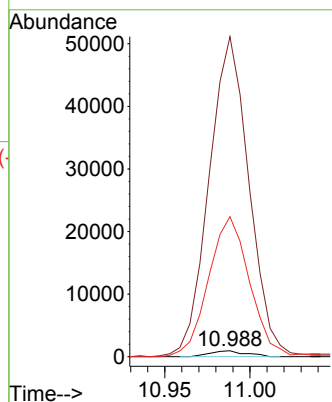
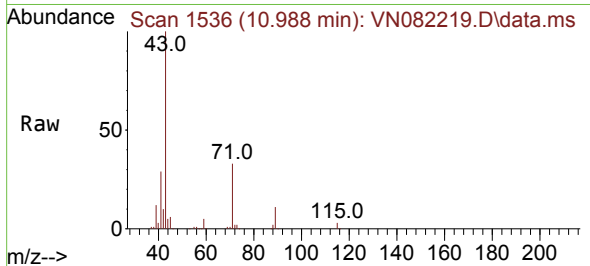




#56
Ethyl methacrylate
Concen: 0.417 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

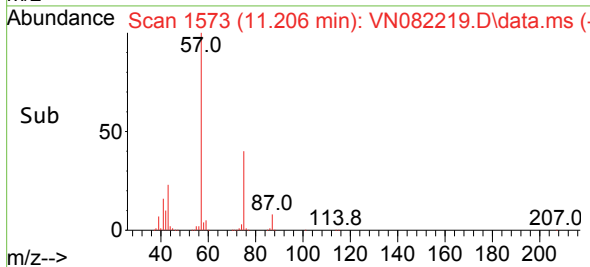
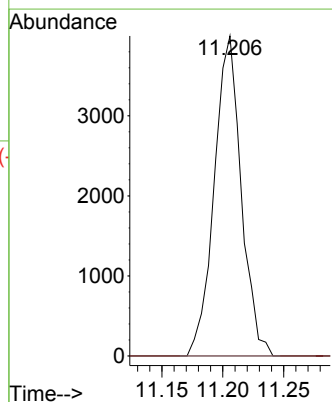
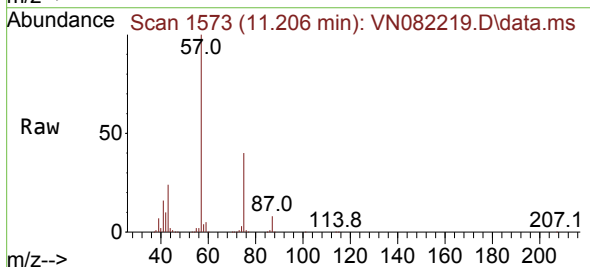
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

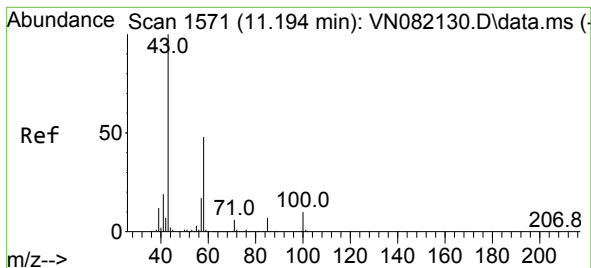
Tgt Ion: 69 Resp: 1387
Ion Ratio Lower Upper
69 100
41 6039.4 46.6 70.0#
39 2720.1 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.681 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Tgt Ion: 76 Resp: 6166
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

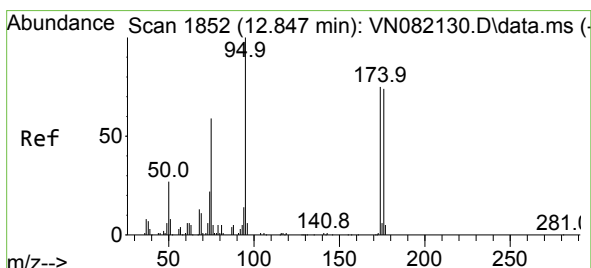
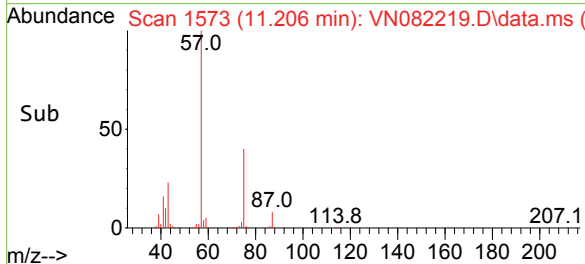
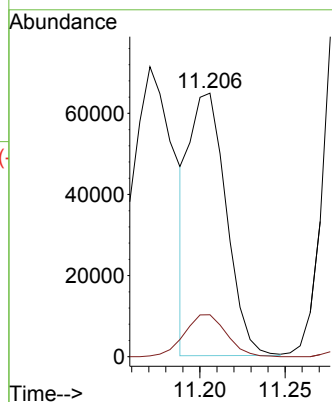
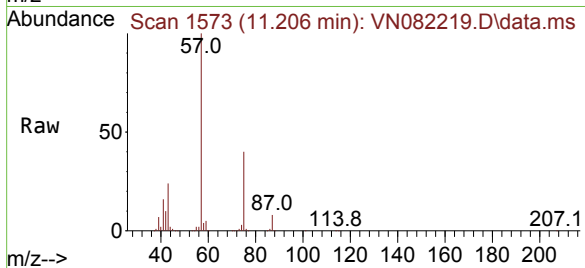




#59
2-Hexanone
Concen: 39.290 ug/l
RT: 11.206 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

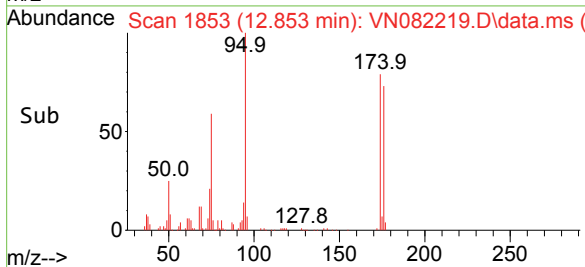
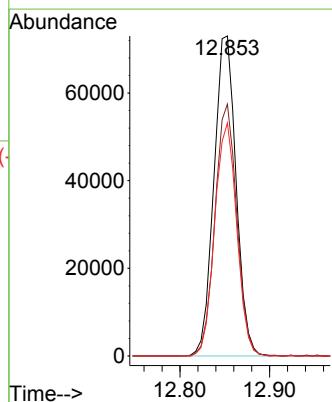
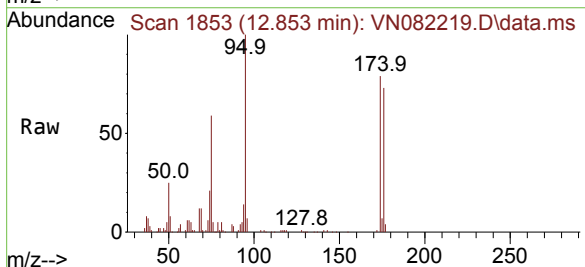
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

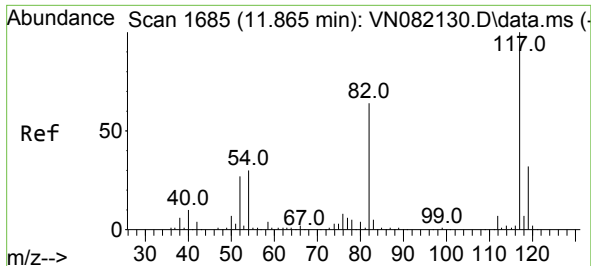
Tgt Ion: 43 Resp: 97757
Ion Ratio Lower Upper
43 100
58 18.3 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.878 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Tgt Ion: 95 Resp: 125200
Ion Ratio Lower Upper
95 100
174 77.8 0.0 160.6
176 72.2 0.0 152.8

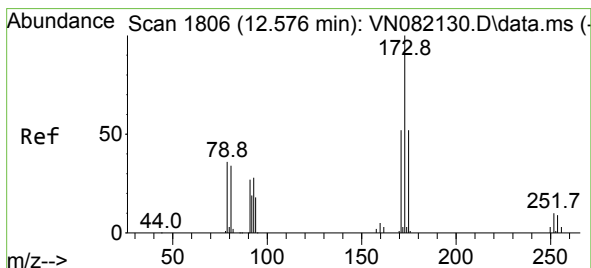
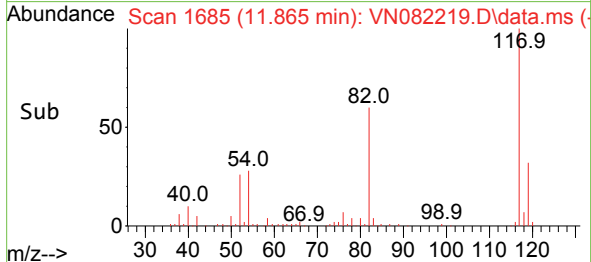
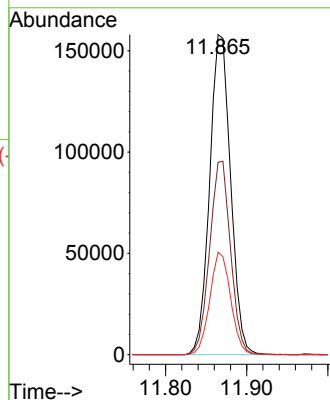
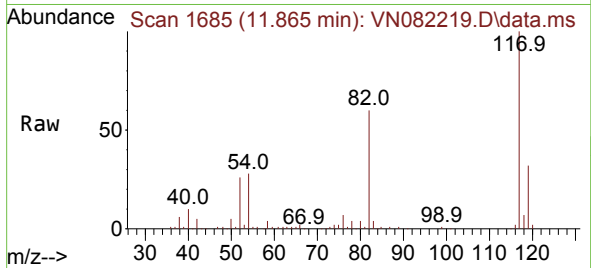




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

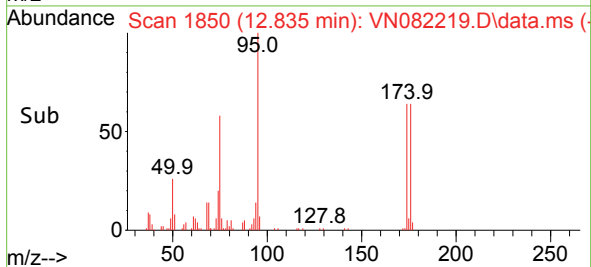
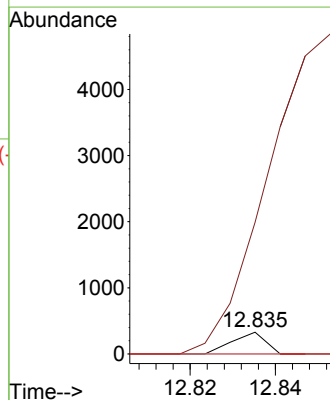
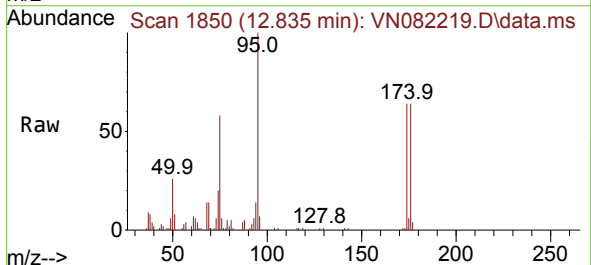
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

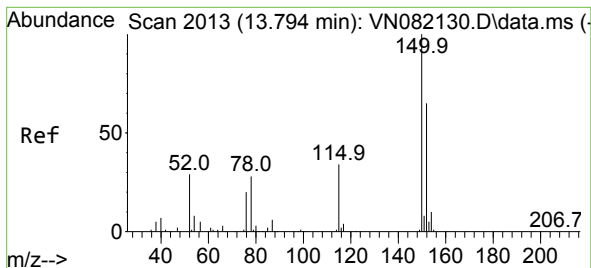
Tgt Ion:117 Resp: 283176
Ion Ratio Lower Upper
117 100
82 60.1 44.6 66.8
119 32.0 25.9 38.9



#71
Bromoform
Concen: 0.808 ug/l
RT: 12.835 min Scan# 1850
Delta R.T. 0.259 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Tgt Ion:173 Resp: 178
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN082219.D

Acq: 20 May 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :

WC-MH-MM

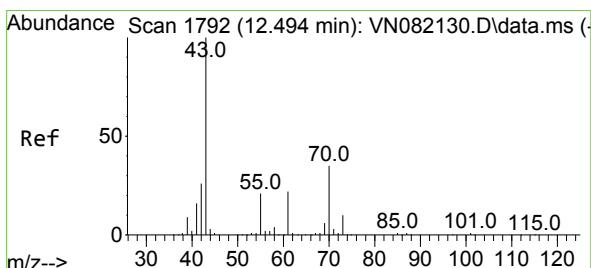
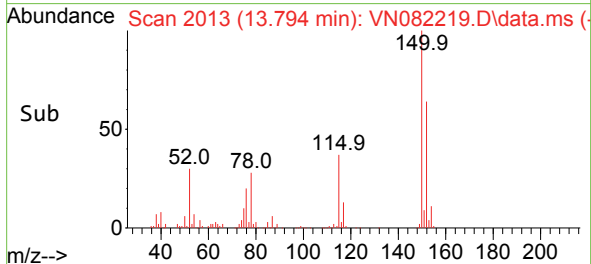
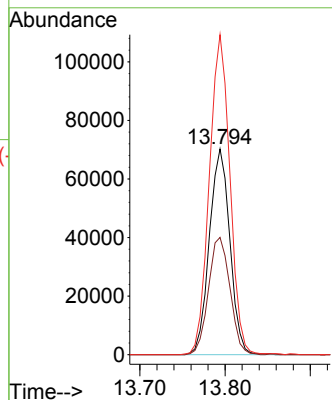
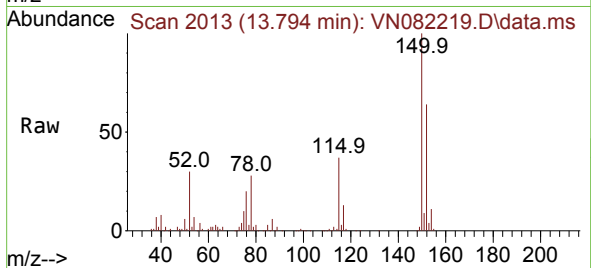
Tgt Ion:152 Resp: 117628

Ion Ratio Lower Upper

152 100

115 59.7 30.4 91.3

150 155.8 0.0 353.2



#74

N-ethyl acetate

Concen: 0.346 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN082219.D

Acq: 20 May 2024 19:00

Tgt Ion: 43 Resp: 1776

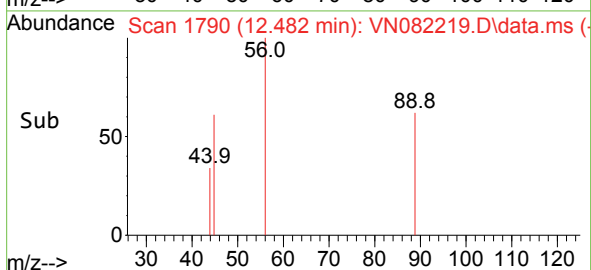
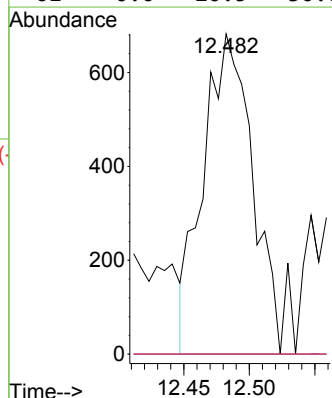
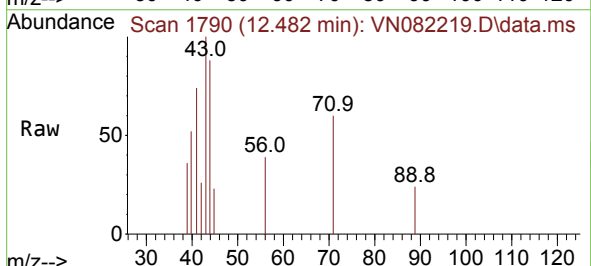
Ion Ratio Lower Upper

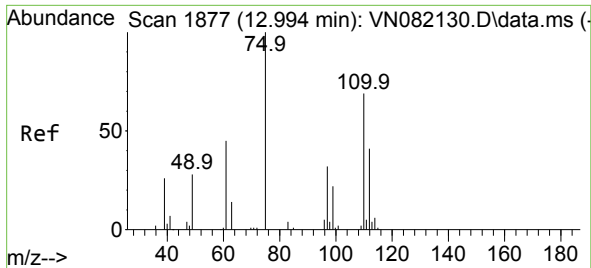
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#

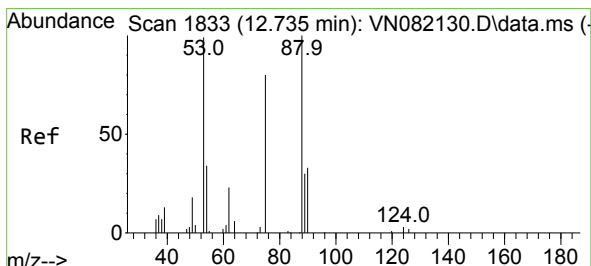
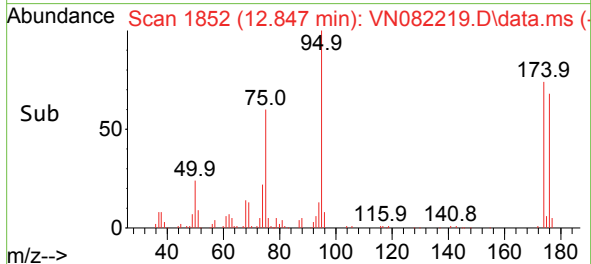
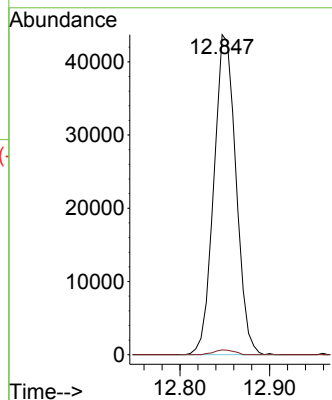
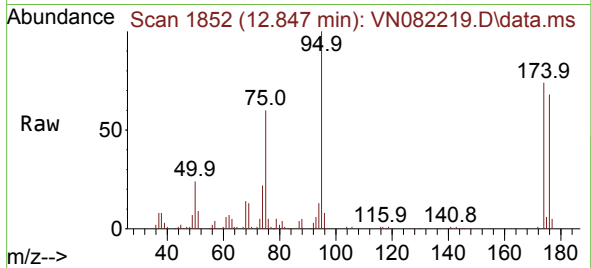




#76
1,2,3-Trichloropropane
Concen: 30.242 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :
WC-MH-MM

Tgt Ion: 75 Resp: 74873
Ion Ratio Lower Upper
75 100
77 1.4 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.735 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082219.D
Acq: 20 May 2024 19:00

Tgt Ion: 75 Resp: 74873
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

