

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
 Data File : VN082220.D
 Acq On : 20 May 2024 19:24
 Operator : JC\MD
 Sample : P2518-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-MH-LL

Quant Time: May 21 03:53:07 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	161454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	290316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115344	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	136493	53.539	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.080%	
35) Dibromofluoromethane	8.171	113	95051	53.223	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.440%	
50) Toluene-d8	10.570	98	378878	55.335	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.680%	
62) 4-Bromofluorobenzene	12.853	95	123517	50.542	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.080%	

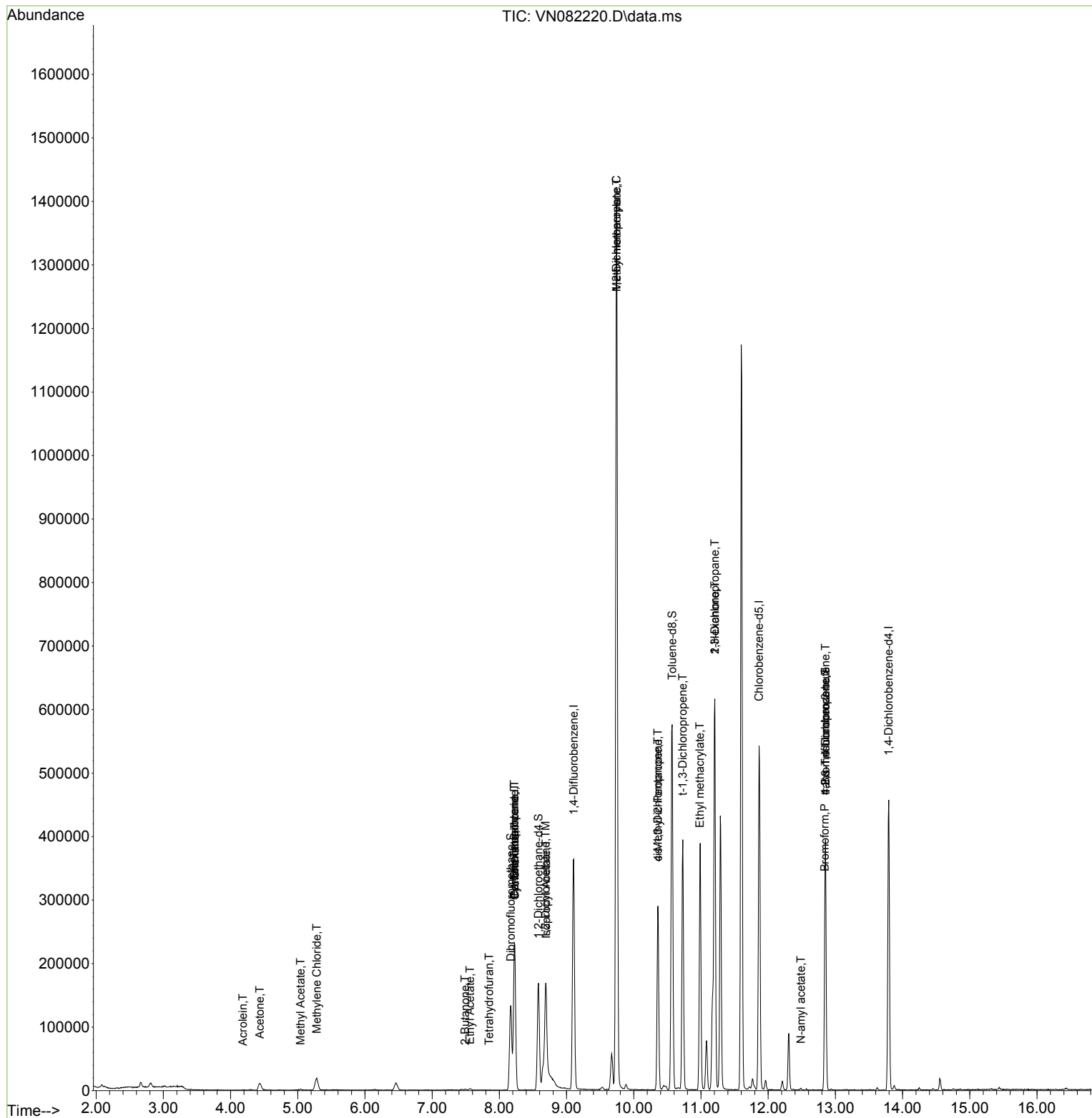
Target Compounds					Qvalue	
13) Acrolein	4.183	56	183	0.603	ug/l #	53
16) Acetone	4.436	43	22776	21.778	ug/l #	88
18) Methyl Acetate	5.041	43	2740	1.052	ug/l #	80
20) Methylene Chloride	5.283	84	13454	6.376	ug/l	86
25) 2-Butanone	7.488	43	2650	1.671	ug/l	96
29) Tetrahydrofuran	7.847	42	265	0.260	ug/l #	29
31) Cyclohexane	8.229	56	4629	1.137	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	14765	4.930	ug/l #	49
37) Ethyl Acetate	7.565	43	3941	1.176	ug/l #	79
38) Carbon Tetrachloride	8.224	117	17831	5.873	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	829	0.241	ug/l #	73
43) Isopropyl Acetate	8.694	43	273596	46.063	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	1575	0.683	ug/l #	45
48) Methyl methacrylate	9.747	41	140257	49.558	ug/l #	38
51) 4-Methyl-2-Pentanone	10.359	43	116463	34.511	ug/l #	42
53) t-1,3-Dichloropropene	10.729	75	886	0.268	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	43454	12.427	ug/l #	70
56) Ethyl methacrylate	10.982	69	1320	0.399	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5830	1.601	ug/l #	42
59) 2-Hexanone	11.206	43	93619	37.888	ug/l #	47
71) Bromoform	12.841	173	283	0.872	ug/l #	1
74) N-amyl acetate	12.488	43	1570	0.311	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	73100	30.111	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73100	70.428	ug/l #	12

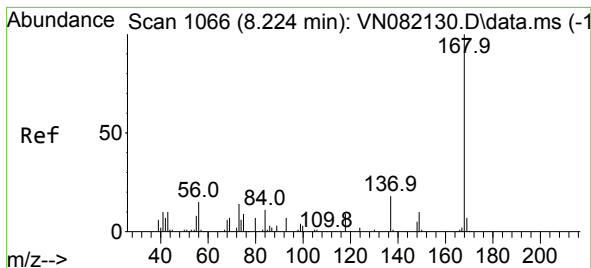
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
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Quant Time: May 21 03:53:07 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN082220.D

Acq: 20 May 2024 19:24

Instrument :

MSVOA_N

ClientSampleId :

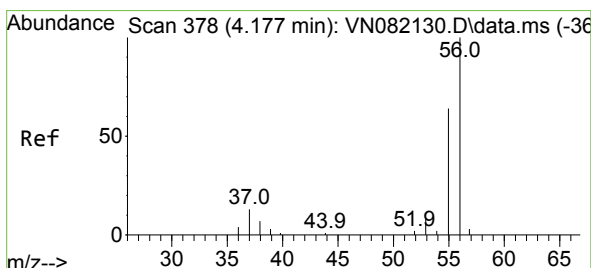
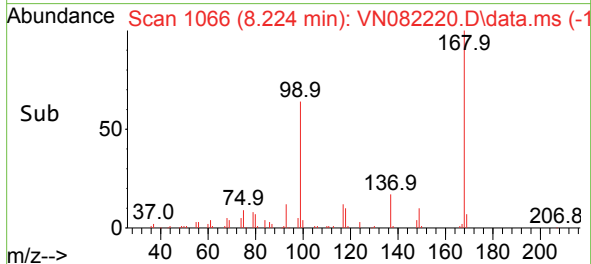
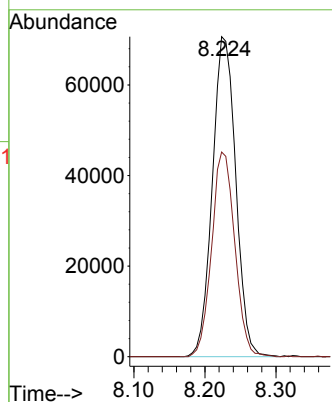
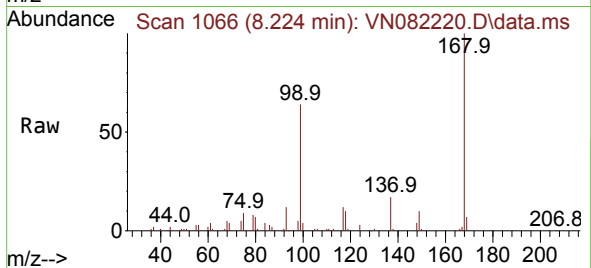
WC-MH-LL

Tgt Ion:168 Resp: 161454

Ion Ratio Lower Upper

168 100

99 63.9 48.2 72.4



#13

Acrolein

Concen: 0.603 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN082220.D

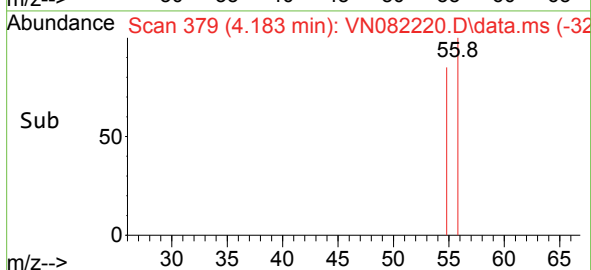
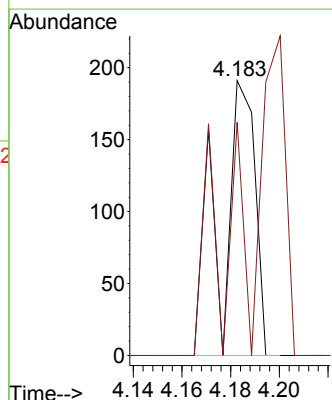
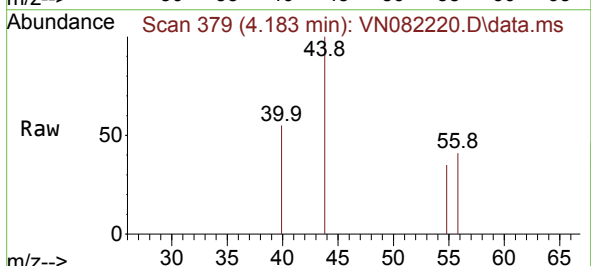
Acq: 20 May 2024 19:24

Tgt Ion: 56 Resp: 183

Ion Ratio Lower Upper

56 100

55 31.1 55.8 83.8#

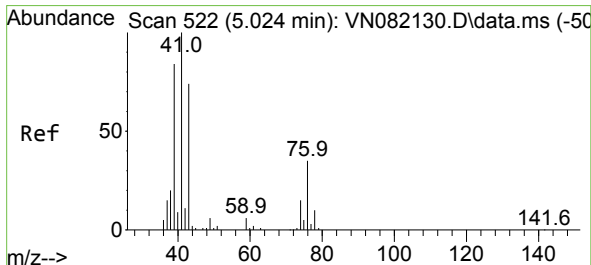
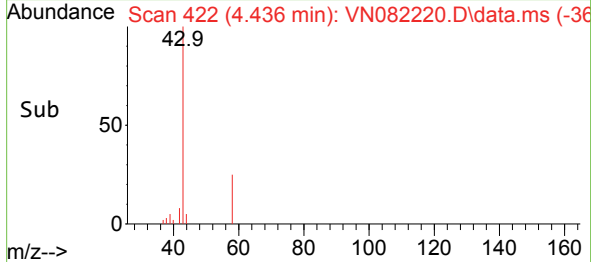
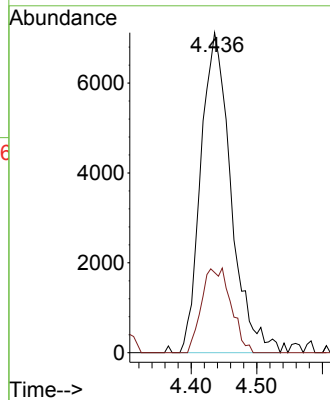
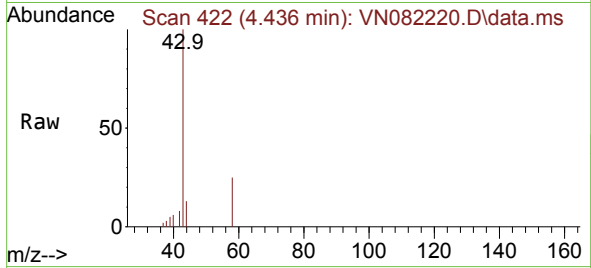




#16
Acetone
Concen: 21.778 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

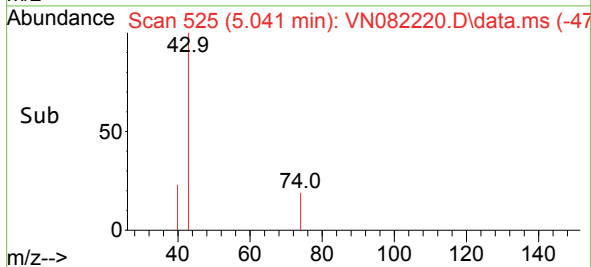
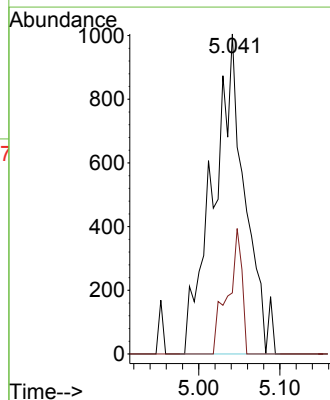
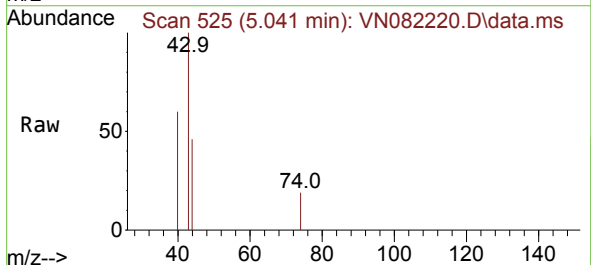
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-LL

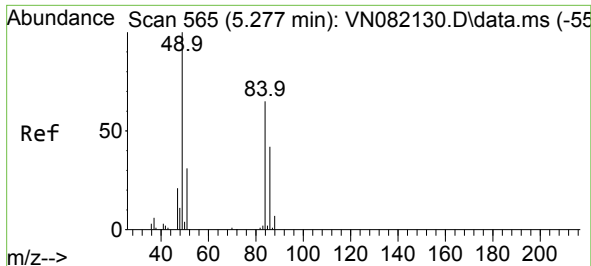
Tgt Ion: 43 Resp: 22776
Ion Ratio Lower Upper
43 100
58 25.0 25.2 37.8#



#18
Methyl Acetate
Concen: 1.052 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.017 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

Tgt Ion: 43 Resp: 2740
Ion Ratio Lower Upper
43 100
74 17.4 22.2 33.2#

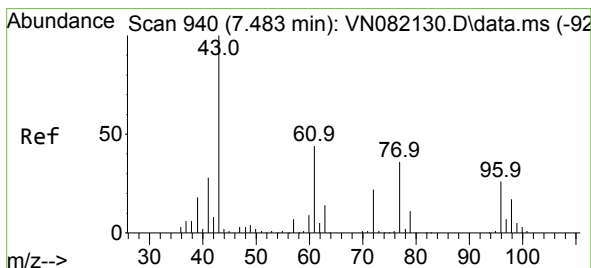
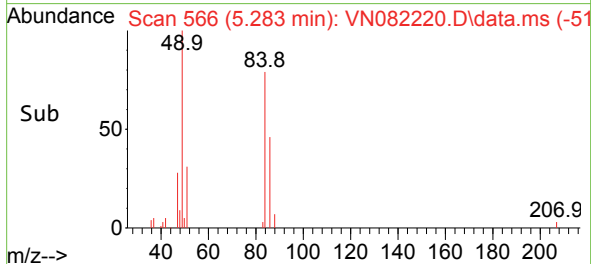
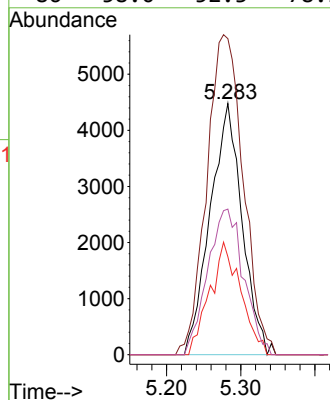
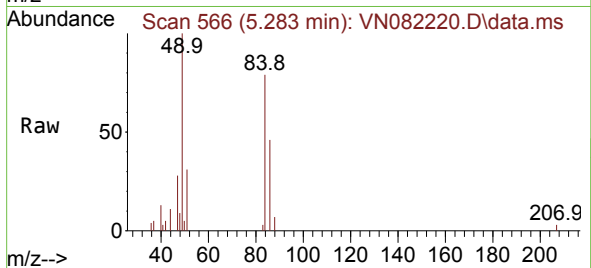




#20
Methylene Chloride
Concen: 6.376 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

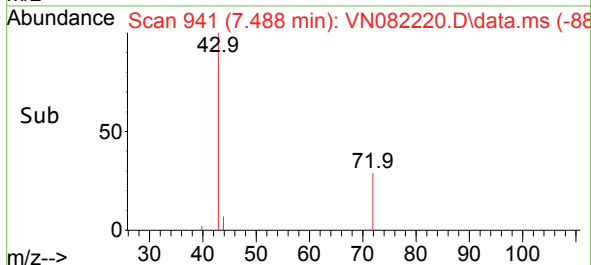
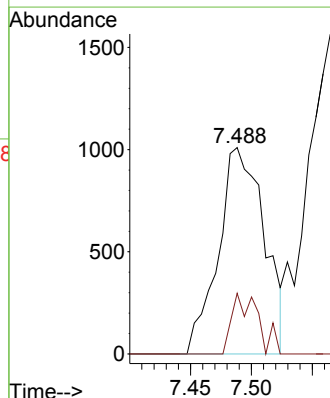
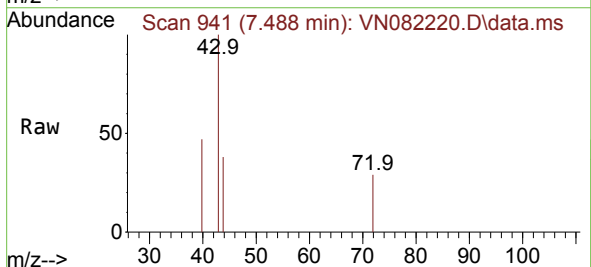
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-LL

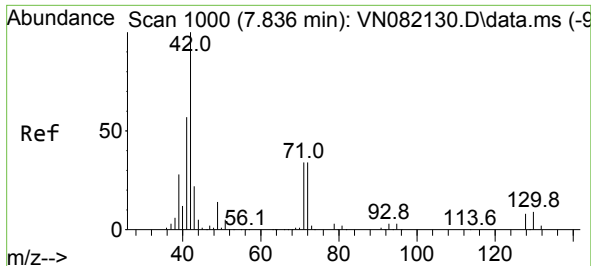
Tgt Ion:	84	Resp:	13454
Ion	Ratio	Lower	Upper
84	100		
49	125.9	84.9	127.3
51	39.0	27.0	40.6
86	58.0	52.3	78.5



#25
2-Butanone
Concen: 1.671 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

Tgt Ion:	43	Resp:	2650
Ion	Ratio	Lower	Upper
43	100		
72	29.4	25.3	37.9





#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 7.847 min Scan# 1067

Delta R.T. 0.011 min

Lab File: VN082220.D

Acq: 20 May 2024 19:24

Instrument :

MSVOA_N

ClientSampleId :

WC-MH-LL

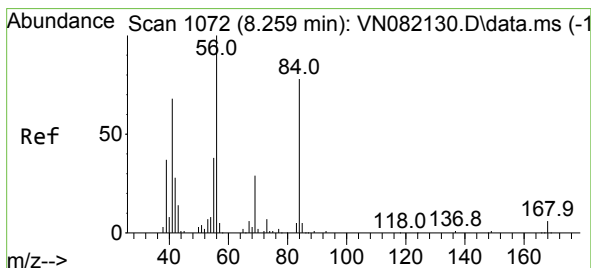
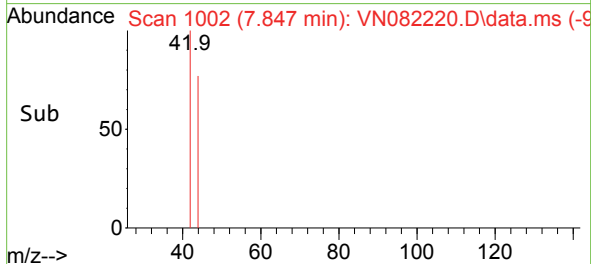
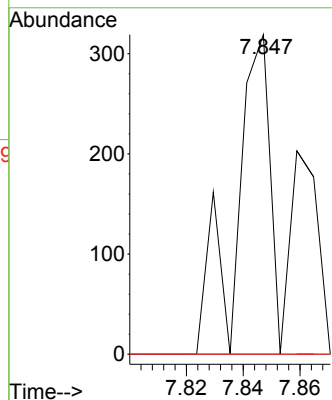
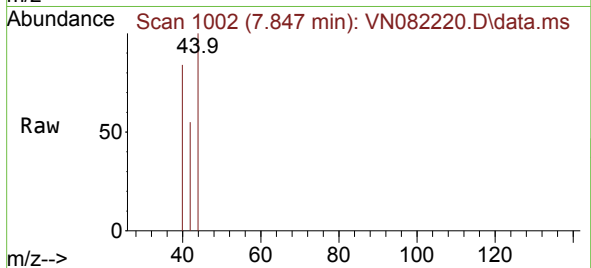
Tgt Ion: 42 Resp: 265

Ion Ratio Lower Upper

42 100

72 0.0 39.3 58.9#

71 0.0 37.4 56.0#



#31

Cyclohexane

Concen: 1.137 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.030 min

Lab File: VN082220.D

Acq: 20 May 2024 19:24

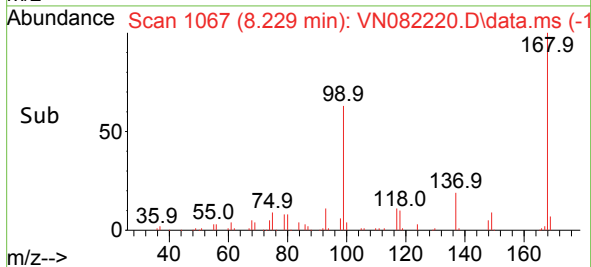
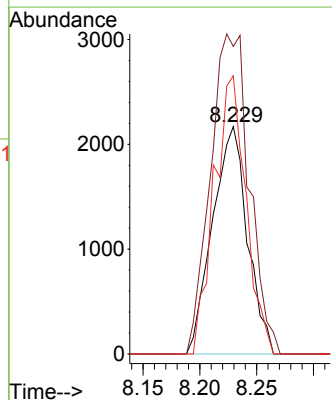
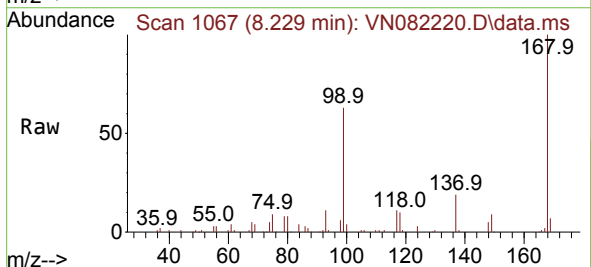
Tgt Ion: 56 Resp: 4629

Ion Ratio Lower Upper

56 100

69 135.3 24.4 36.6#

84 122.4 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 53.539 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082220.D

Acq: 20 May 2024 19:24

Instrument :

MSVOA_N

ClientSampleId :

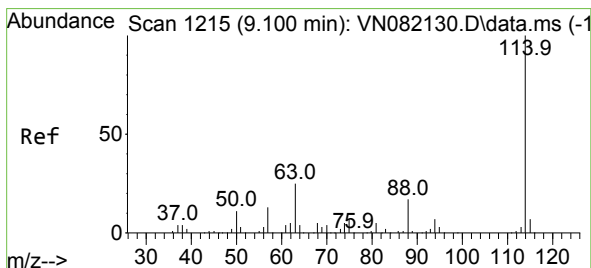
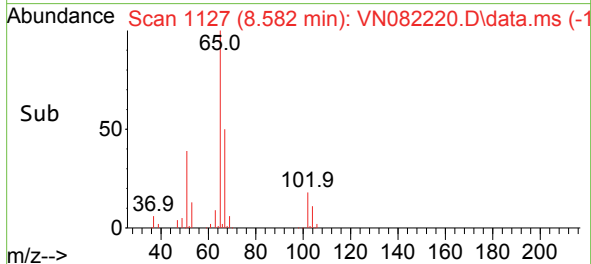
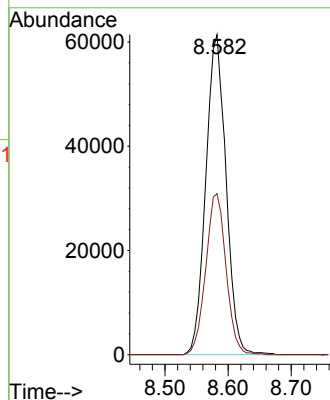
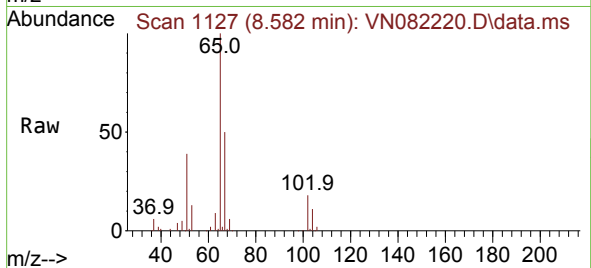
WC-MH-LL

Tgt Ion: 65 Resp: 136493

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082220.D

Acq: 20 May 2024 19:24

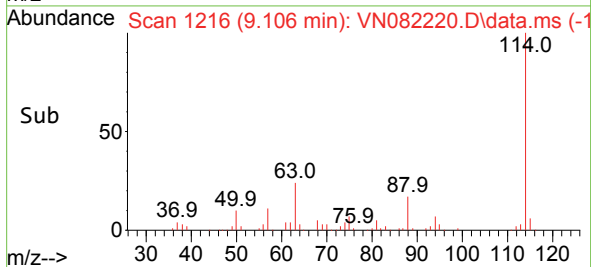
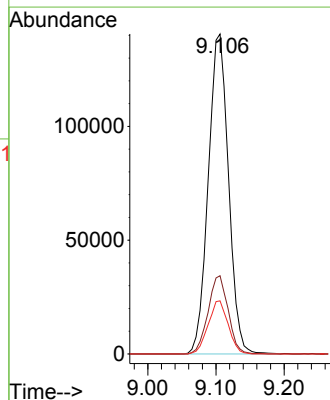
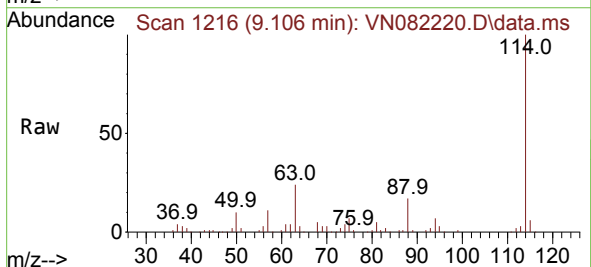
Tgt Ion: 114 Resp: 290316

Ion Ratio Lower Upper

114 100

63 24.5 0.0 41.0

88 16.6 0.0 31.4

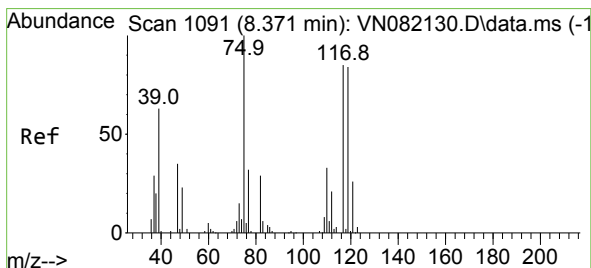
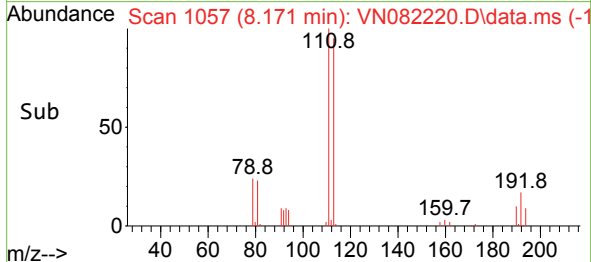
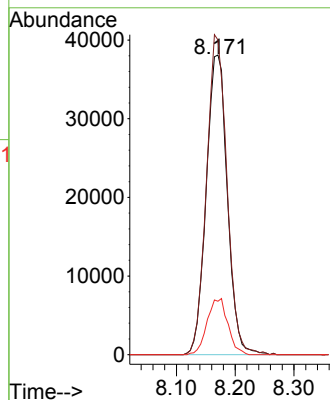
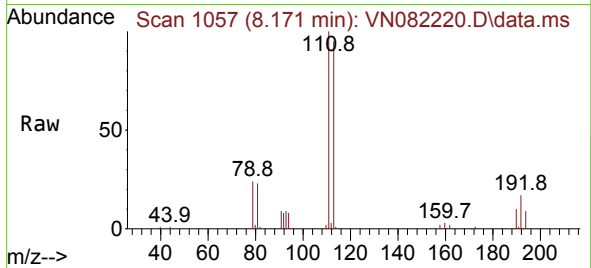




#35
Dibromofluoromethane
Concen: 53.223 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

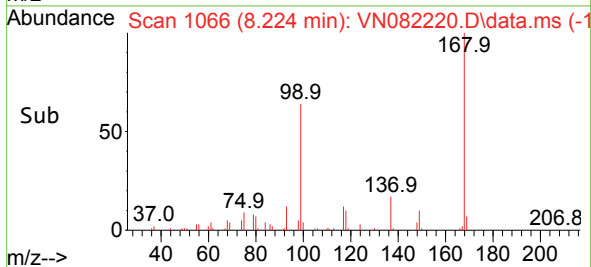
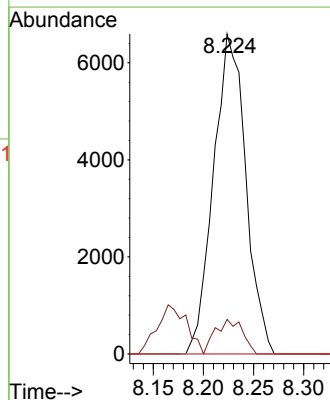
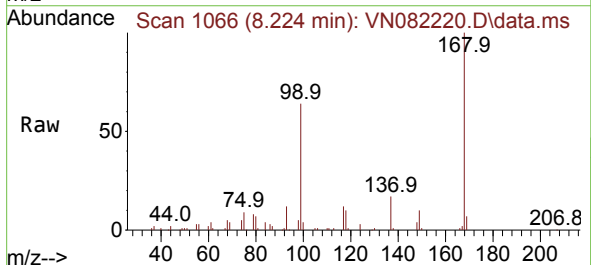
Instrument :
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WC-MH-LL

Tgt Ion:113 Resp: 95051
Ion Ratio Lower Upper
113 100
111 103.6 83.4 125.2
192 18.4 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

Tgt Ion: 75 Resp: 14765
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.176 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN082220.D

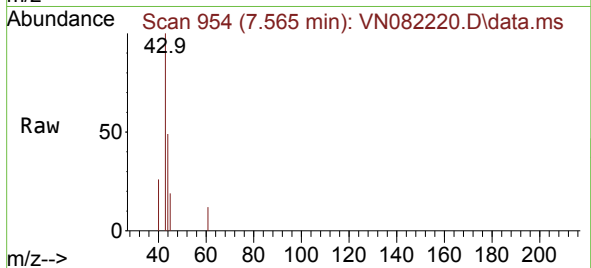
Acq: 20 May 2024 19:24

Instrument :

MSVOA_N

ClientSampleId :

WC-MH-LL



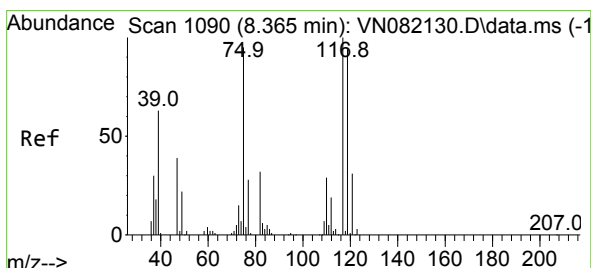
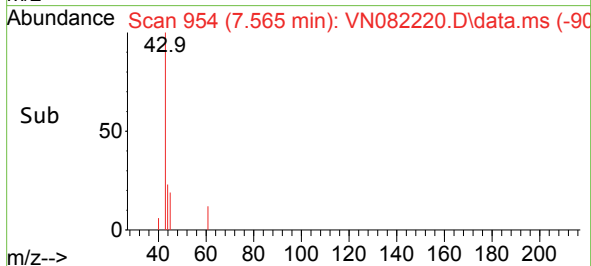
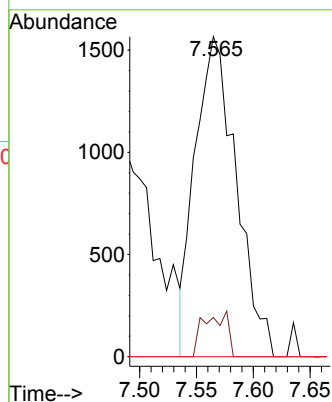
Tgt Ion: 43 Resp: 3941

Ion Ratio Lower Upper

43 100

61 8.2 11.3 16.9#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.873 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082220.D

Acq: 20 May 2024 19:24

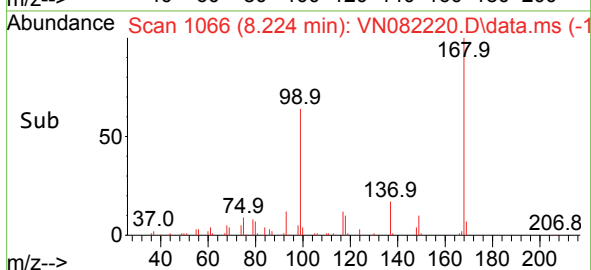
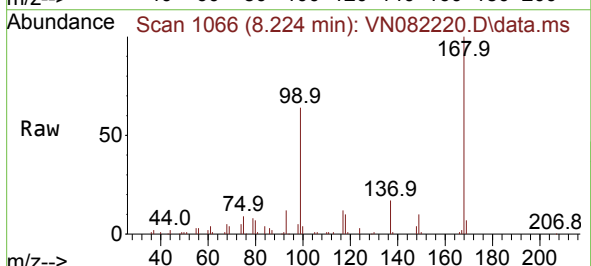
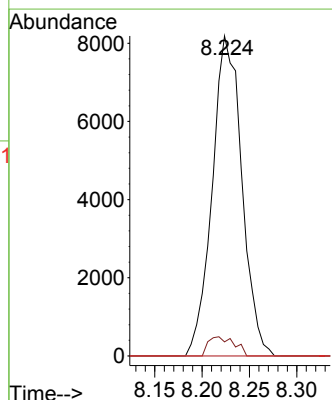
Tgt Ion: 117 Resp: 17831

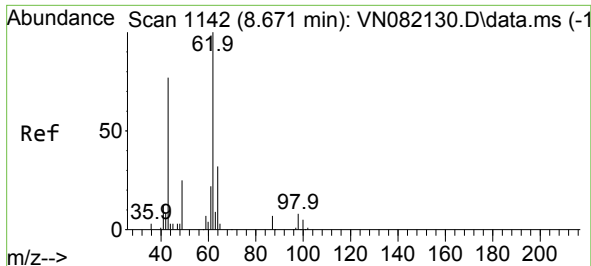
Ion Ratio Lower Upper

117 100

119 4.4 76.5 114.7#

121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.241 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN082220.D

Acq: 20 May 2024 19:24

Instrument :

MSVOA_N

ClientSampleId :

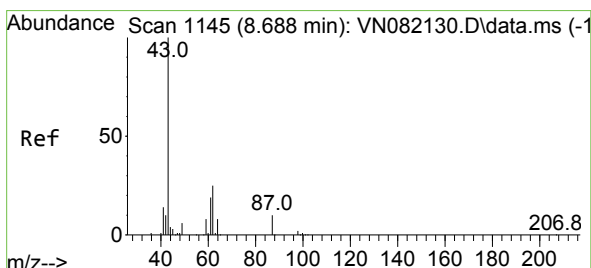
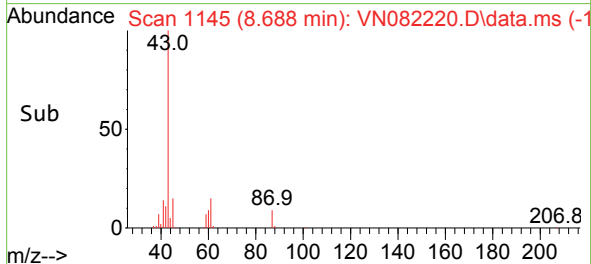
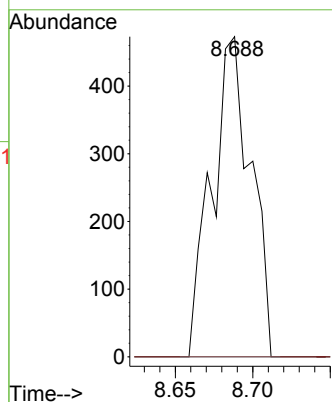
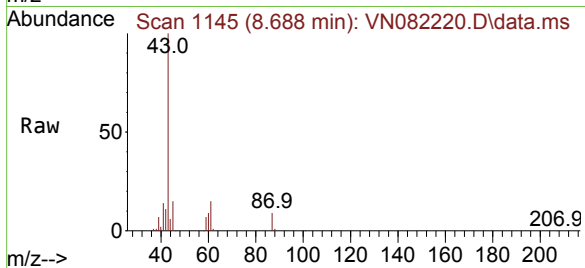
WC-MH-LL

Tgt Ion: 62 Resp: 829

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 46.063 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082220.D

Acq: 20 May 2024 19:24

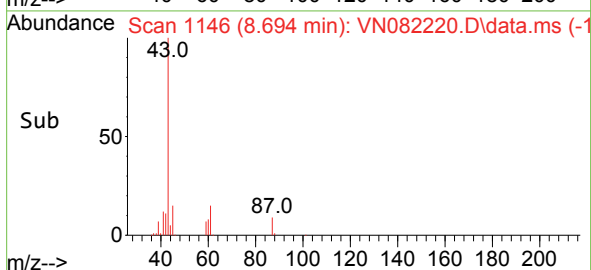
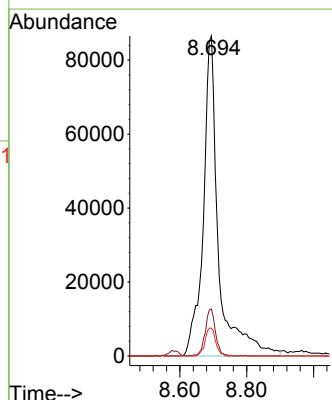
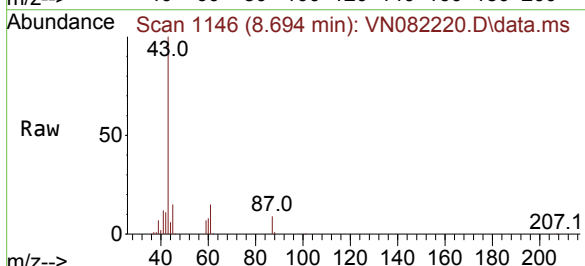
Tgt Ion: 43 Resp: 273596

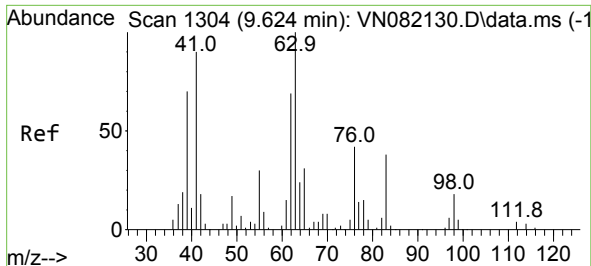
Ion Ratio Lower Upper

43 100

61 9.9 22.8 34.2#

87 6.1 12.0 18.0#

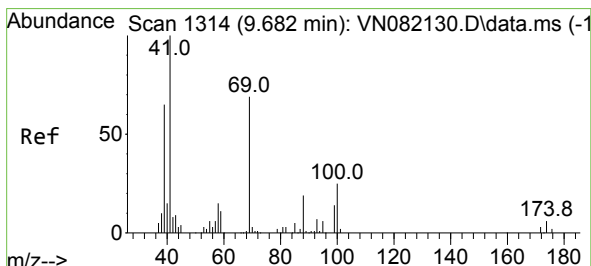
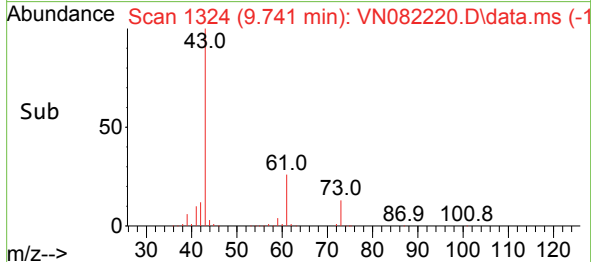
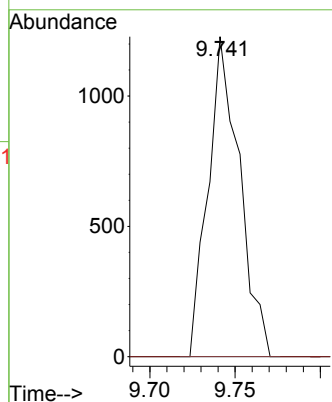
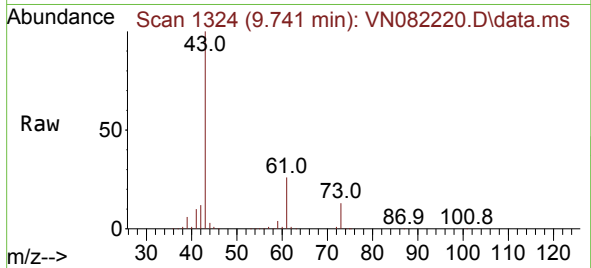




#45
1,2-Dichloropropane
Concen: 0.683 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

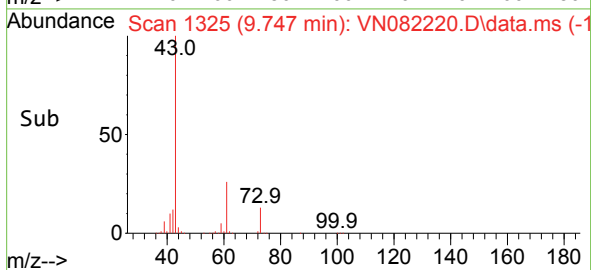
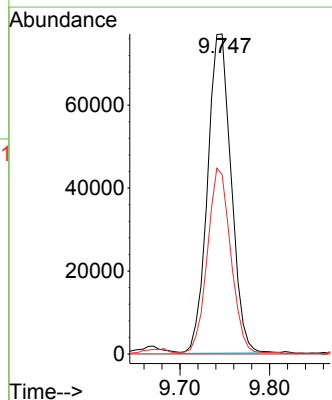
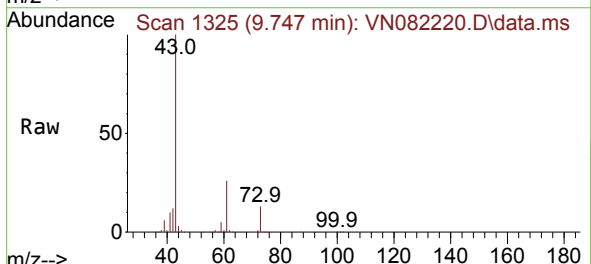
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-LL

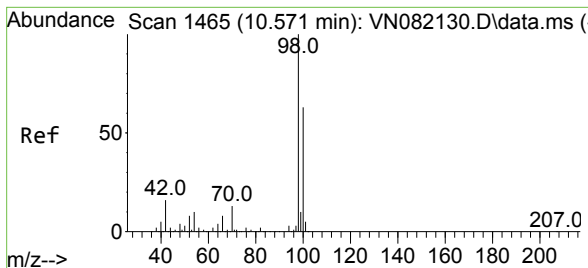
Tgt Ion: 63 Resp: 1575
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#



#48
Methyl methacrylate
Concen: 49.558 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

Tgt Ion: 41 Resp: 140257
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 58.5 50.9 76.3

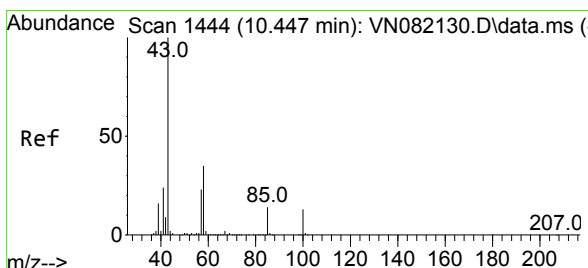
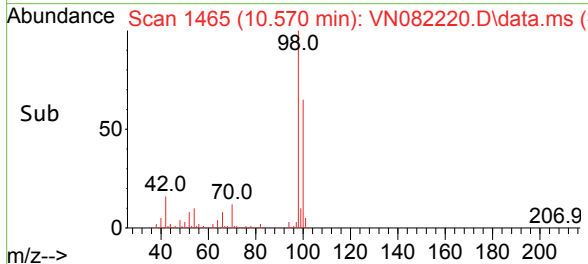
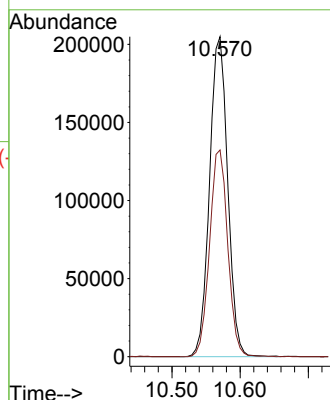
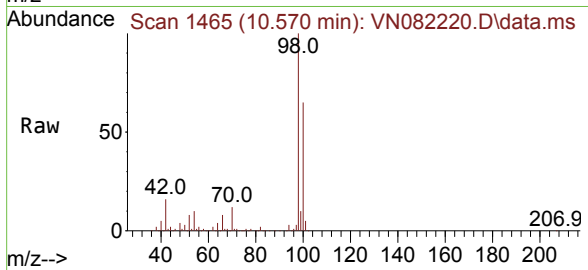




#50
Toluene-d8
Concen: 55.335 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

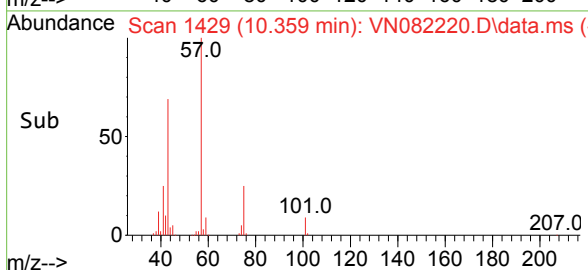
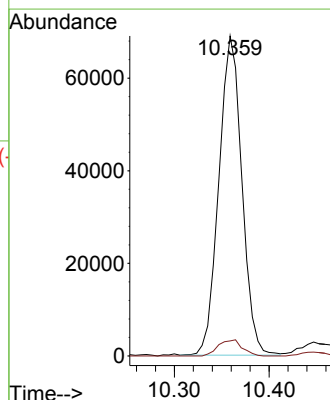
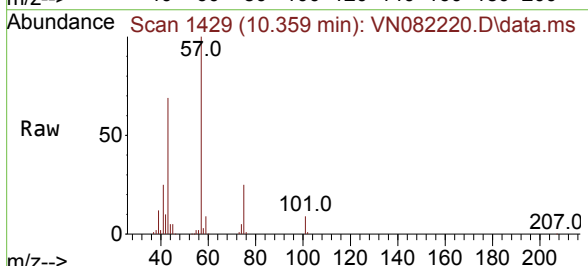
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-LL

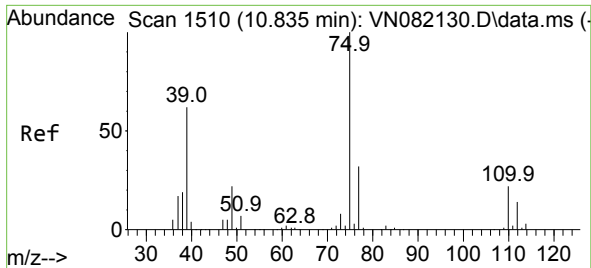
Tgt Ion: 98 Resp: 378878
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 34.511 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

Tgt Ion: 43 Resp: 116463
Ion Ratio Lower Upper
43 100
58 5.3 33.2 49.8#

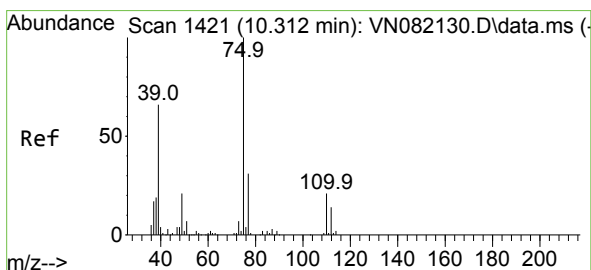
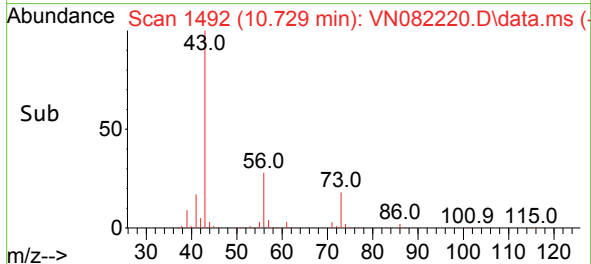
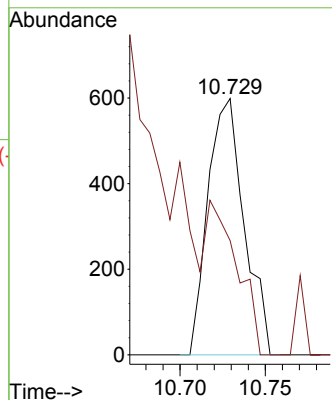
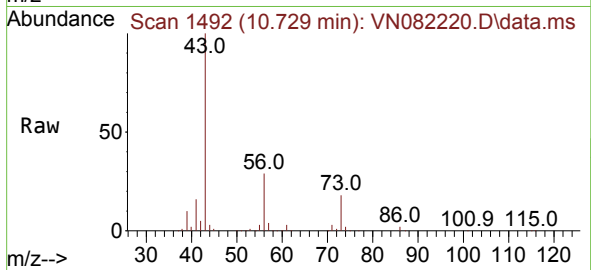




#53
 t-1,3-Dichloropropene
 Concen: 0.268 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082220.D
 Acq: 20 May 2024 19:24

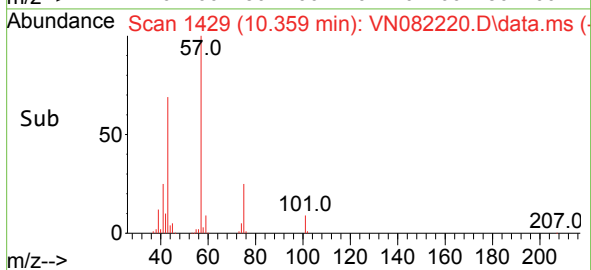
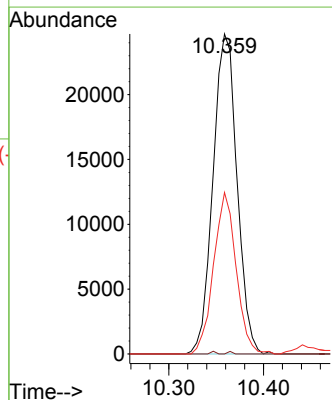
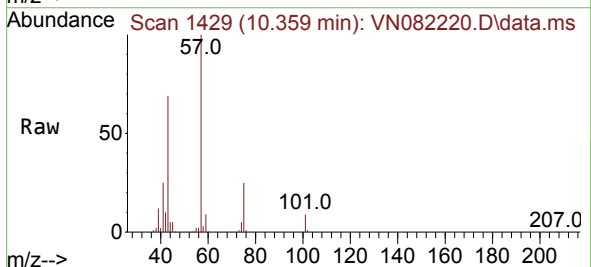
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-MH-LL

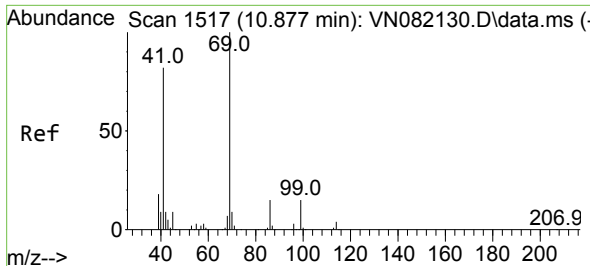
Tgt Ion: 75 Resp: 886
 Ion Ratio Lower Upper
 75 100
 77 44.6 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.427 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082220.D
 Acq: 20 May 2024 19:24

Tgt Ion: 75 Resp: 43454
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 50.4 34.8 52.2

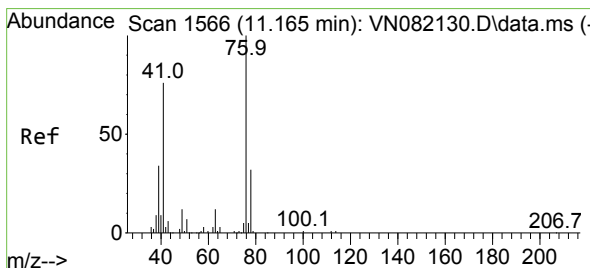
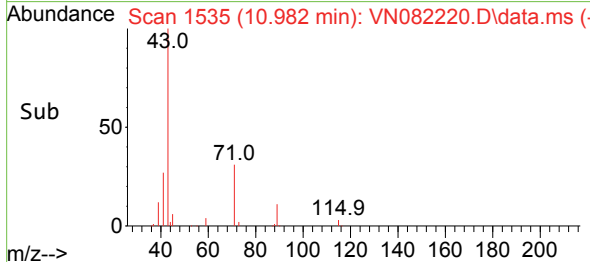
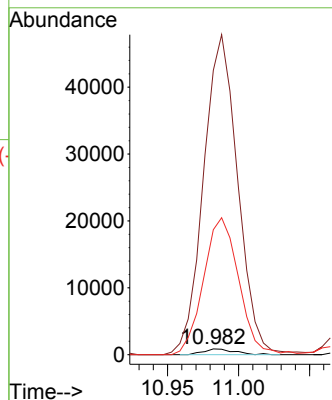
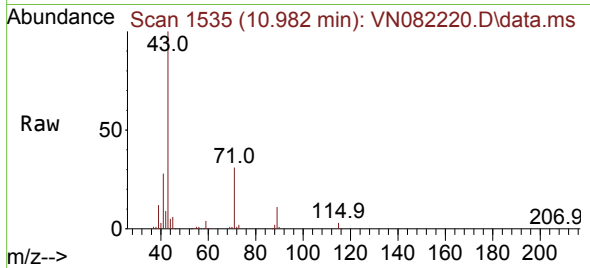




#56
Ethyl methacrylate
Concen: 0.399 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

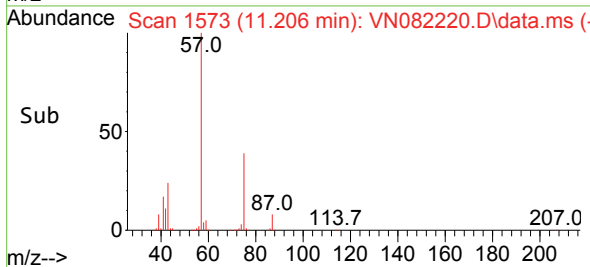
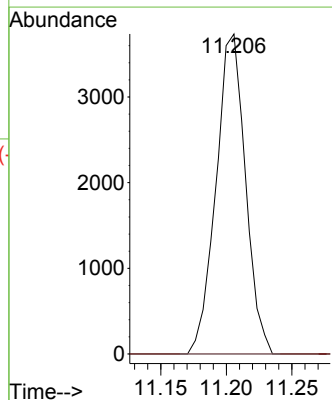
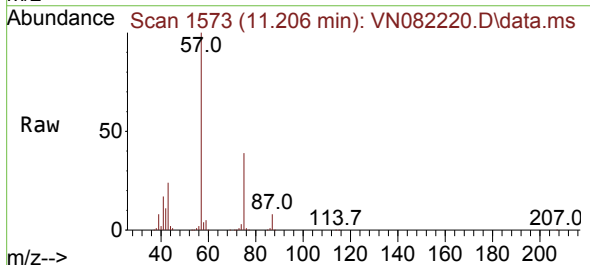
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-LL

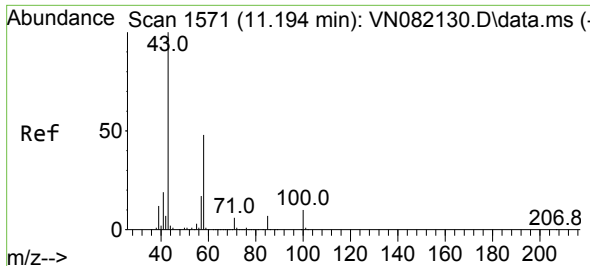
Tgt Ion: 69 Resp: 1320
Ion Ratio Lower Upper
69 100
41 6090.0 46.6 70.0#
39 2680.1 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.601 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

Tgt Ion: 76 Resp: 5830
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

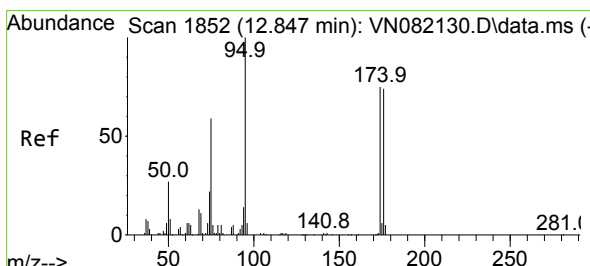
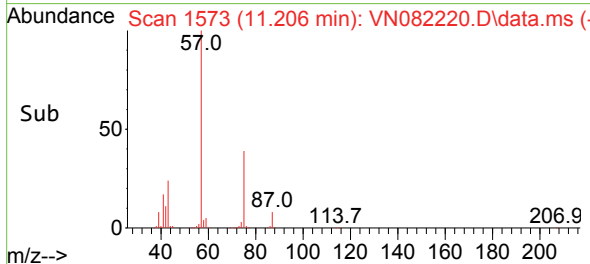
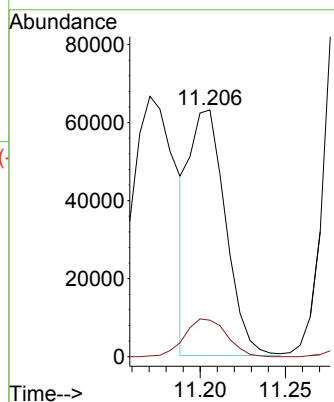
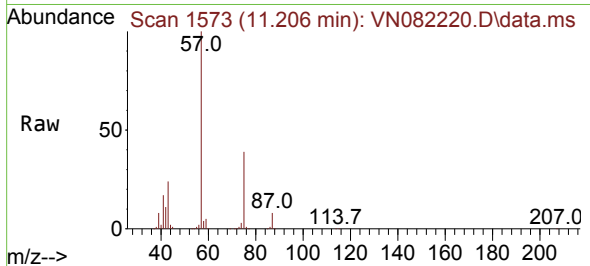




#59
2-Hexanone
Concen: 37.888 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

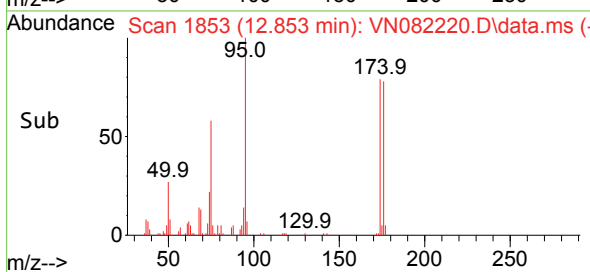
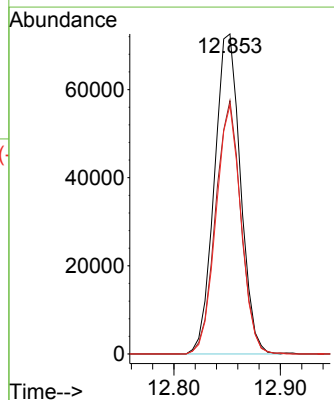
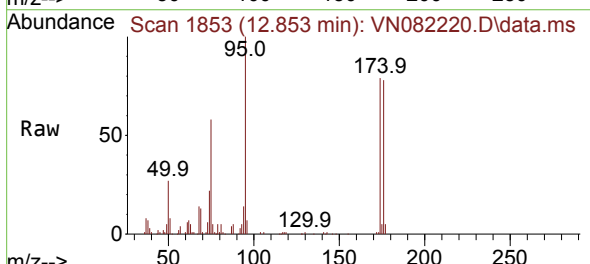
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-LL

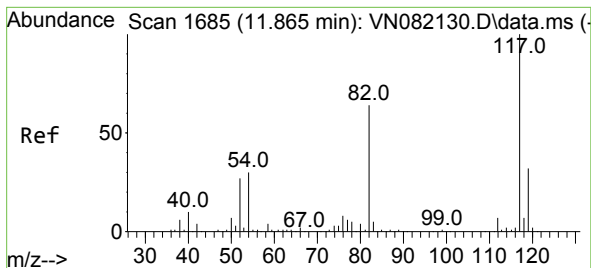
Tgt Ion: 43 Resp: 93619
Ion Ratio Lower Upper
43 100
58 17.9 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.542 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

Tgt Ion: 95 Resp: 123517
Ion Ratio Lower Upper
95 100
174 76.7 0.0 160.6
176 74.5 0.0 152.8

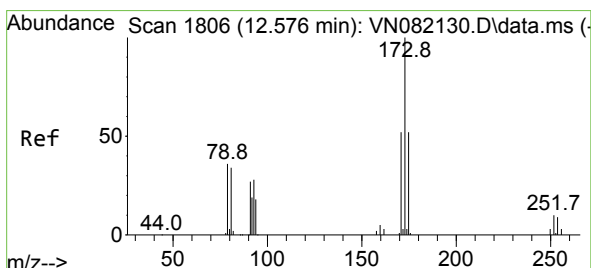
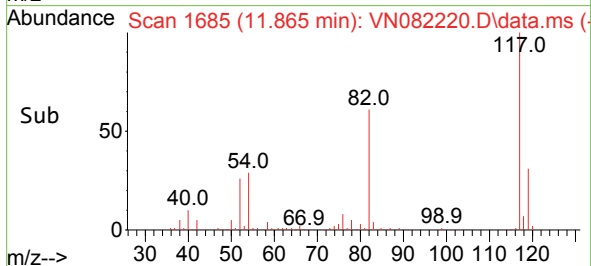
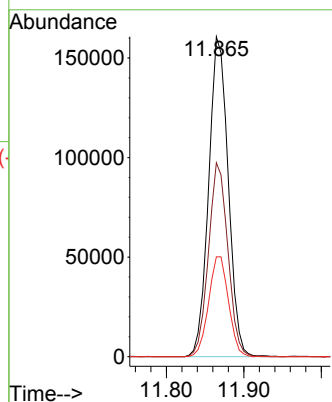
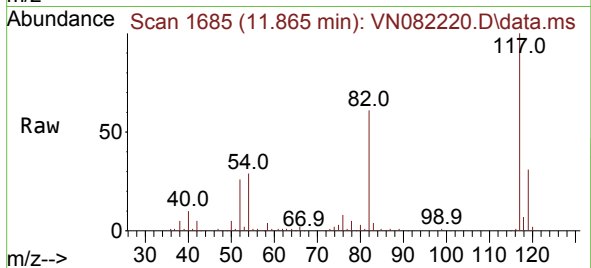




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

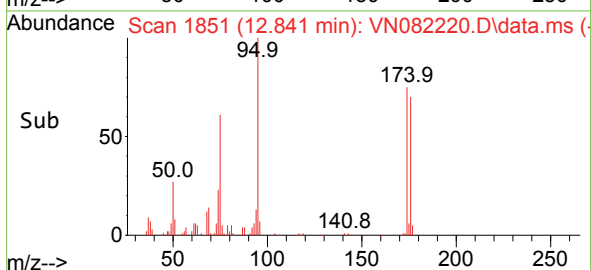
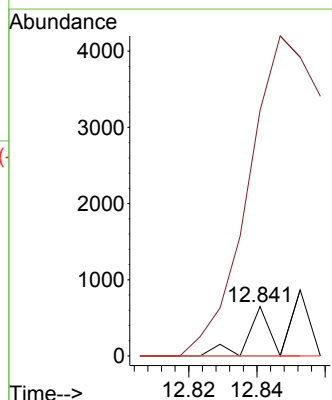
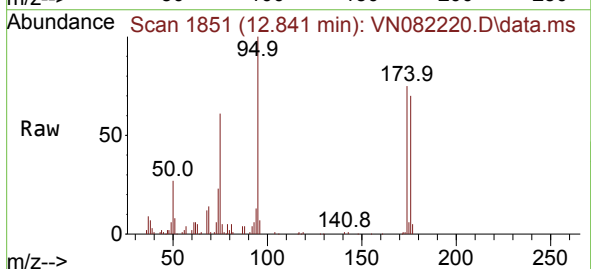
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-LL

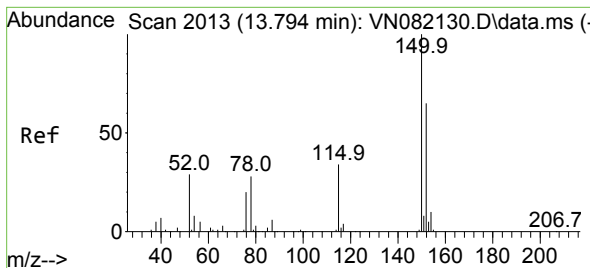
Tgt Ion:117 Resp: 281226
Ion Ratio Lower Upper
117 100
82 60.6 44.6 66.8
119 31.2 25.9 38.9



#71
Bromoform
Concen: 0.872 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

Tgt Ion:173 Resp: 283
Ion Ratio Lower Upper
173 100
175 1719.1 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: VN082220.D

Acq: 20 May 2024 19:24

Instrument :

MSVOA_N

ClientSampleId :

WC-MH-LL

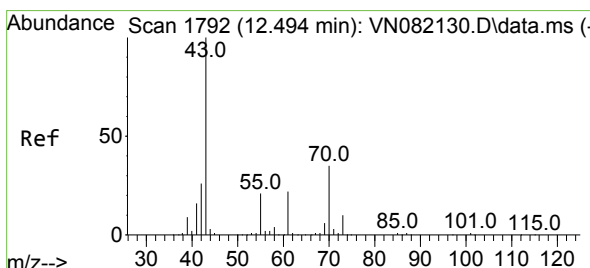
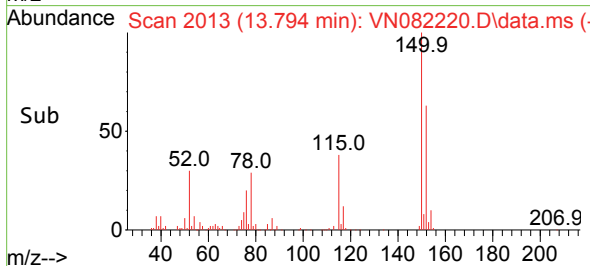
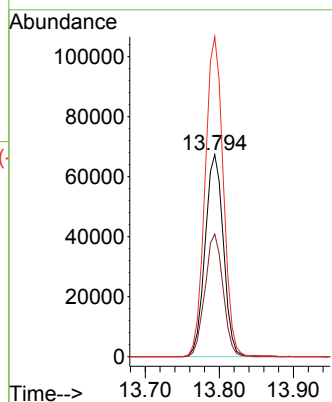
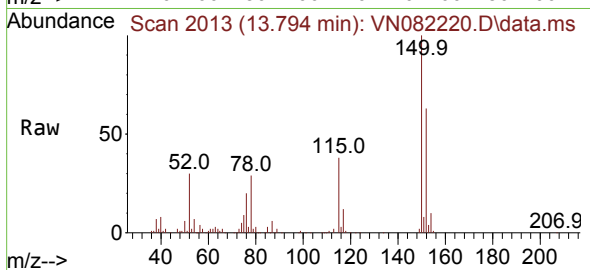
Tgt Ion:152 Resp: 115344

Ion Ratio Lower Upper

152 100

115 60.1 30.4 91.3

150 157.5 0.0 353.2



#74

N-ethyl acetate

Concen: 0.311 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN082220.D

Acq: 20 May 2024 19:24

Tgt Ion: 43 Resp: 1570

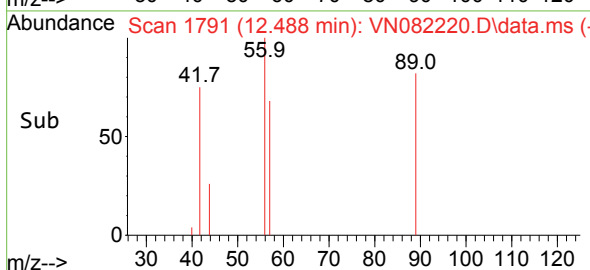
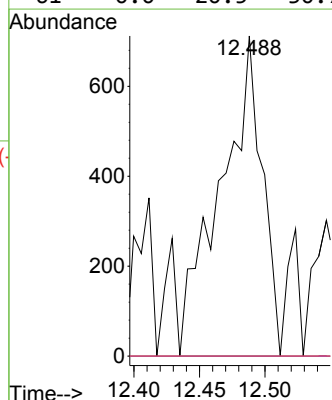
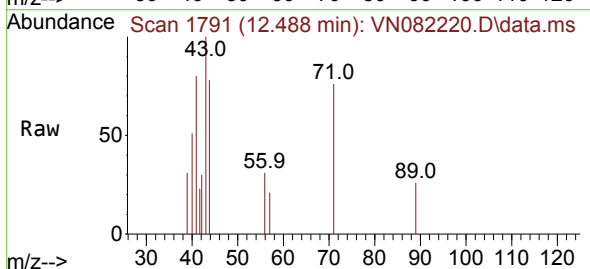
Ion Ratio Lower Upper

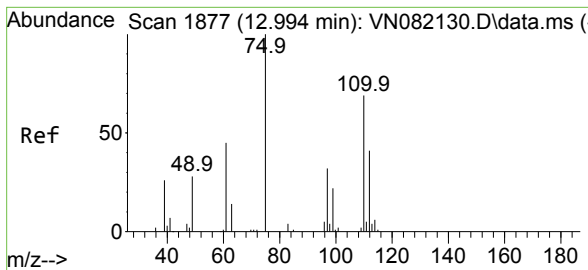
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#

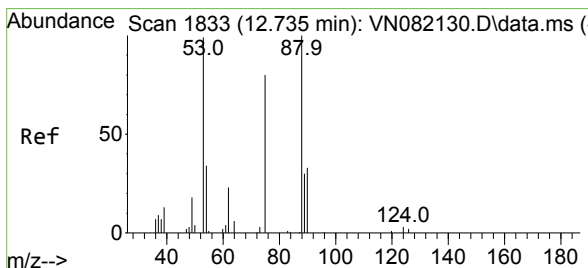
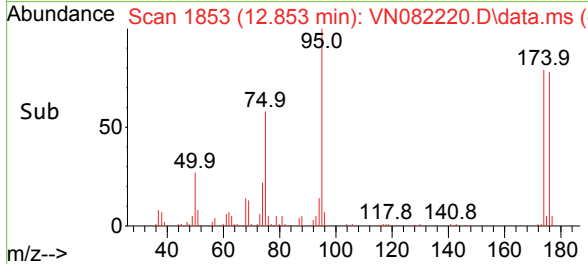
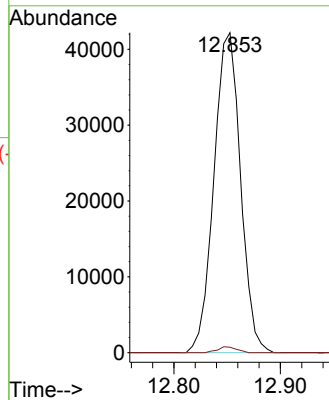
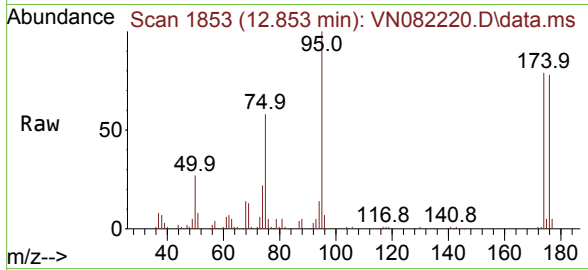




#76
1,2,3-Trichloropropane
Concen: 30.111 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

Instrument :
MSVOA_N
ClientSampleId :
WC-MH-LL

Tgt Ion: 75 Resp: 73100
Ion Ratio Lower Upper
75 100
77 1.3 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.428 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082220.D
Acq: 20 May 2024 19:24

Tgt Ion: 75 Resp: 73100
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

