

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082246.D
 Acq On : 21 May 2024 17:30
 Operator : JC\MD
 Sample : P2531-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-B

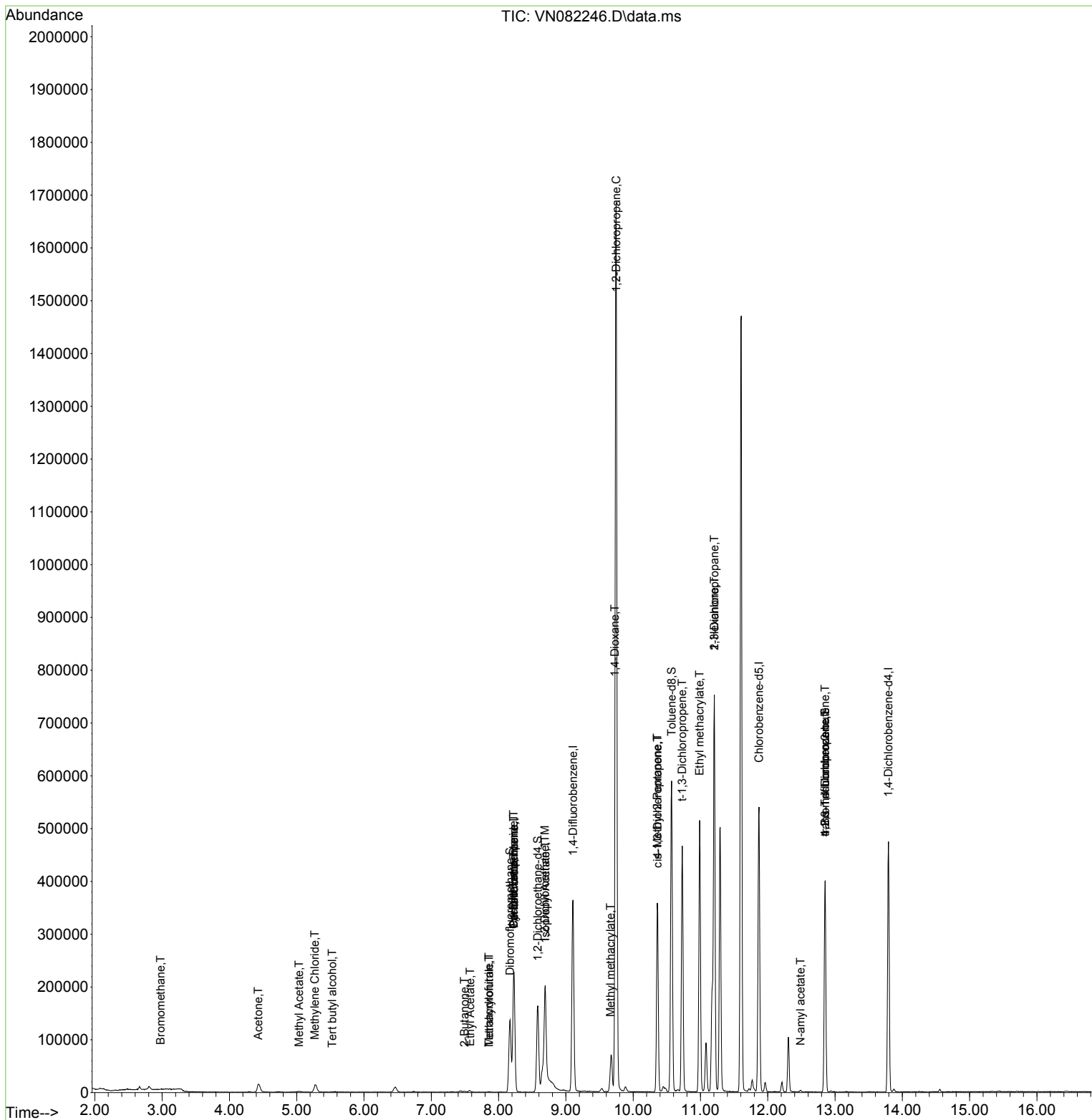
Quant Time: May 22 01:29:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

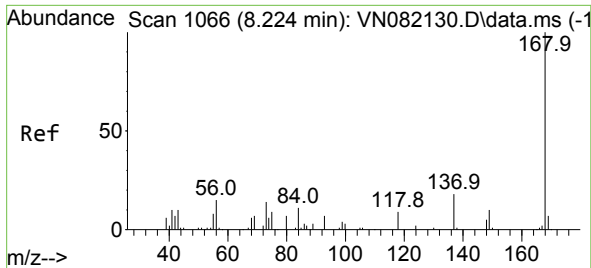
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	158970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	286880	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	280544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135500	53.980	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.960%	
35) Dibromofluoromethane	8.171	113	96080	54.444	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.880%	
50) Toluene-d8	10.571	98	379716	56.122	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 112.240%	
62) 4-Bromofluorobenzene	12.853	95	128515	53.217	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 106.440%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	387	0.276	ug/l	87
11) Tert butyl alcohol	5.530	59	131	0.325	ug/l #	71
16) Acetone	4.430	43	31881	30.961	ug/l	96
18) Methyl Acetate	5.036	43	3507	1.368	ug/l #	57
20) Methylene Chloride	5.271	84	9699	4.668	ug/l #	65
25) 2-Butanone	7.494	43	3068	1.965	ug/l #	80
29) Tetrahydrofuran	7.859	42	750	0.748	ug/l #	40
31) Cyclohexane	8.224	56	4736	1.181	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	15291	5.166	ug/l #	47
37) Ethyl Acetate	7.577	43	4863	1.468	ug/l #	92
38) Carbon Tetrachloride	8.224	117	17248	5.749	ug/l #	18
41) Methacrylonitrile	7.859	41	391	0.201	ug/l #	31
42) 1,2-Dichloroethane	8.688	62	1069	0.315	ug/l #	73
43) Isopropyl Acetate	8.694	43	289448	49.316	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1867	0.820	ug/l #	45
48) Methyl methacrylate	9.665	41	5153	1.843	ug/l #	37
49) 1,4-Dioxane	9.729	88	58	1.480	ug/l #	28
51) 4-Methyl-2-Pentanone	10.359	43	146040	43.794	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	1033	0.316	ug/l	89
54) cis-1,3-Dichloropropene	10.365	75	54523	15.780	ug/l #	75
56) Ethyl methacrylate	10.988	69	1693	0.518	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6814	1.893	ug/l #	42
59) 2-Hexanone	11.206	43	97457	39.914	ug/l #	52
74) N-amyl acetate	12.488	43	1743	0.339	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	74777	30.178	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74777	70.584	ug/l #	12

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

Quant Time: May 22 01:29:45 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

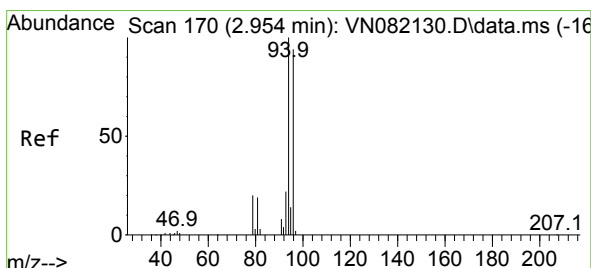
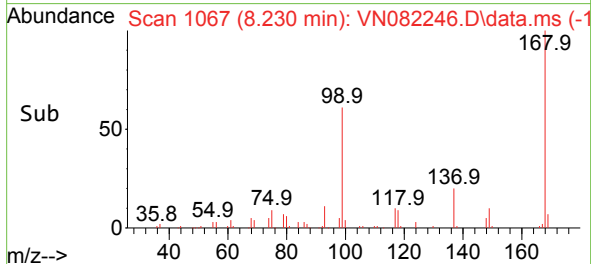
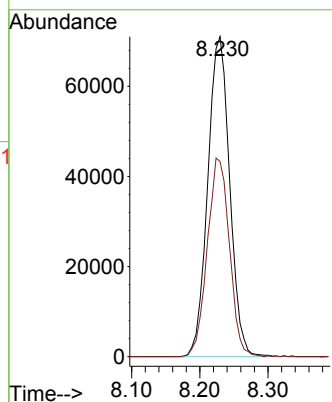
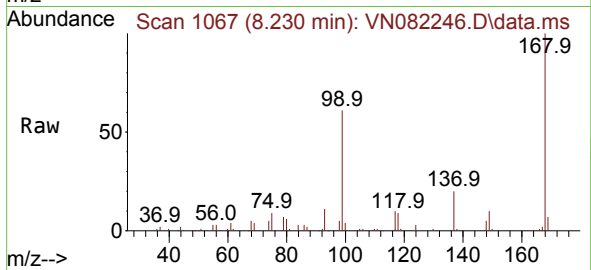




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

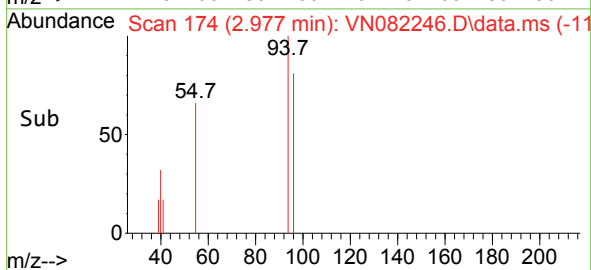
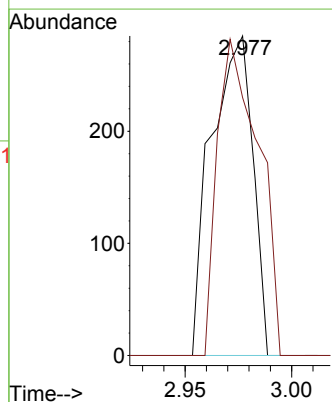
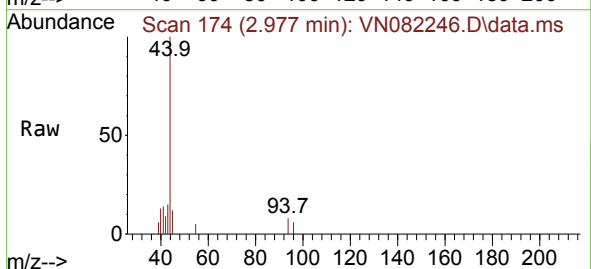
Instrument :
MSVOA_N
ClientSampleId :
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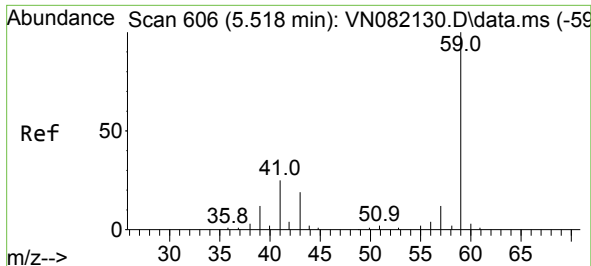
Tgt Ion:168 Resp: 158970
Ion Ratio Lower Upper
168 100
99 61.0 48.2 72.4



#5
Bromomethane
Concen: 0.276 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

Tgt Ion: 94 Resp: 387
Ion Ratio Lower Upper
94 100
96 80.7 74.8 112.2





#11

Tert butyl alcohol

Concen: 0.325 ug/l

RT: 5.530 min Scan# 606

Delta R.T. 0.012 min

Lab File: VN082246.D

Acq: 21 May 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :

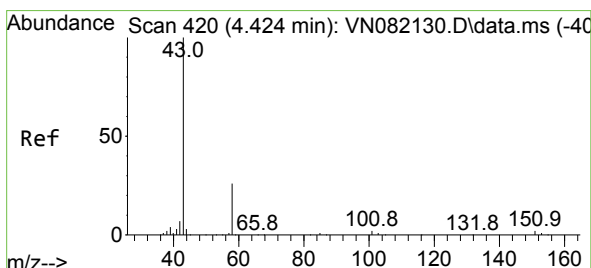
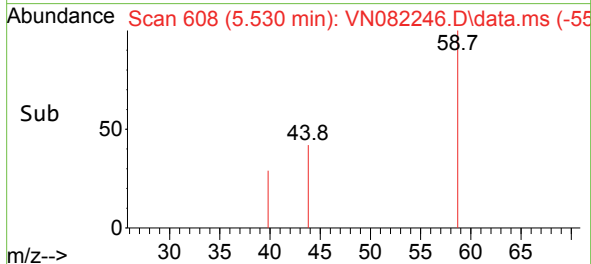
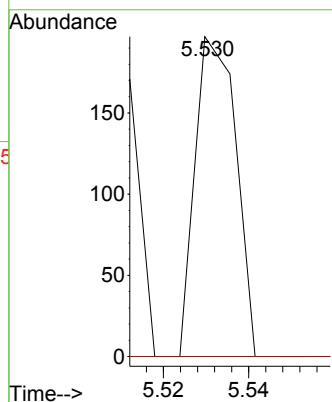
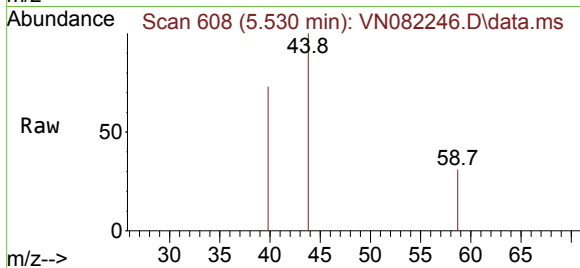
MH-B

Tgt Ion: 59 Resp: 131

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#16

Acetone

Concen: 30.961 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN082246.D

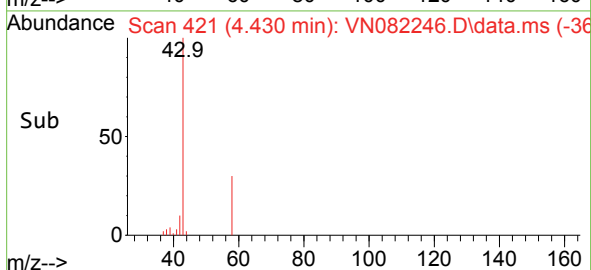
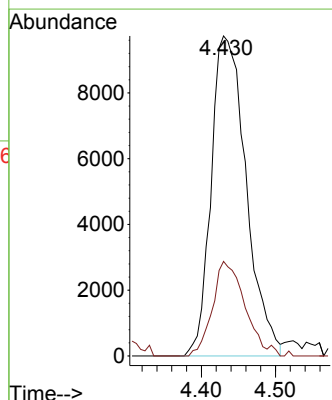
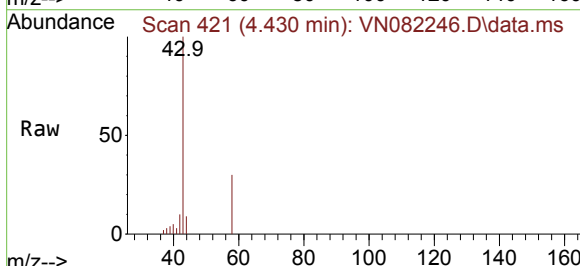
Acq: 21 May 2024 17:30

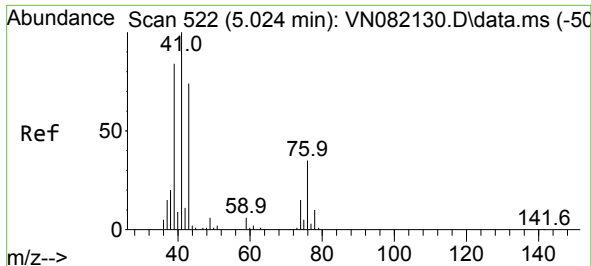
Tgt Ion: 43 Resp: 31881

Ion Ratio Lower Upper

43 100

58 29.6 25.2 37.8

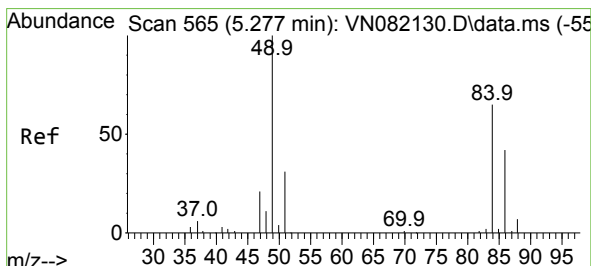
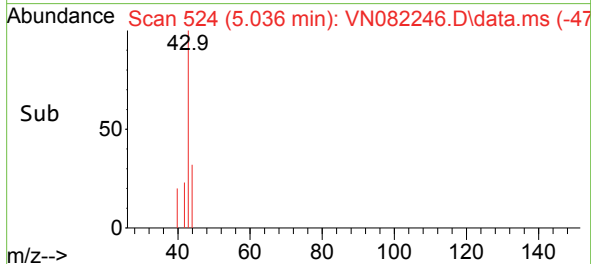
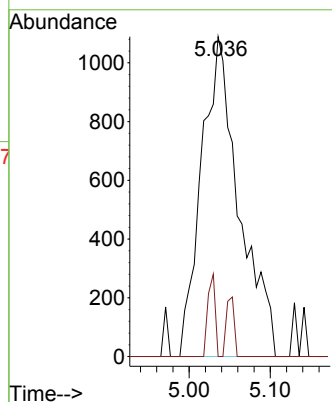
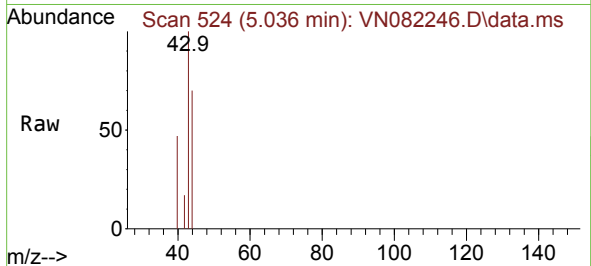




#18
Methyl Acetate
Concen: 1.368 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

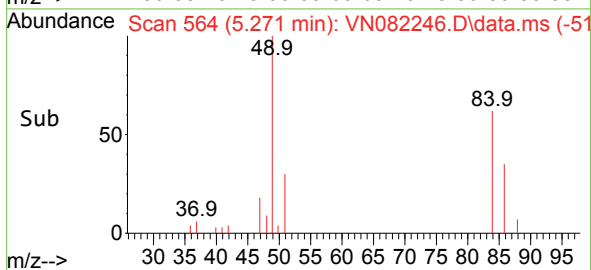
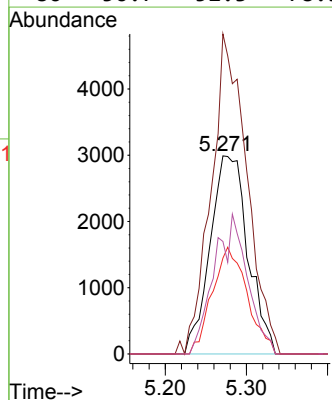
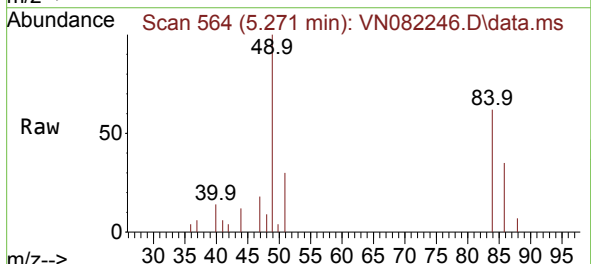
Instrument :
MSVOA_N
ClientSampleId :
MH-B

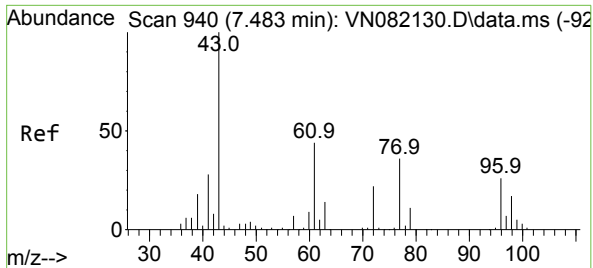
Tgt Ion: 43 Resp: 3507
Ion Ratio Lower Upper
43 100
74 5.0 22.2 33.2#



#20
Methylene Chloride
Concen: 4.668 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

Tgt Ion: 84 Resp: 9699
Ion Ratio Lower Upper
84 100
49 161.5 84.9 127.3#
51 48.4 27.0 40.6#
86 56.7 52.3 78.5

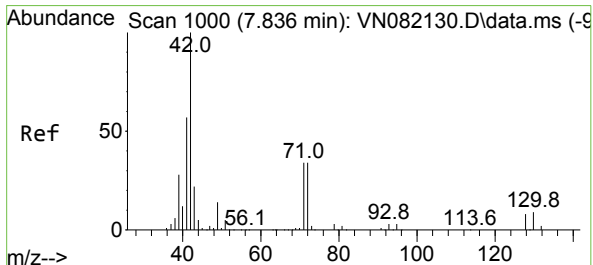
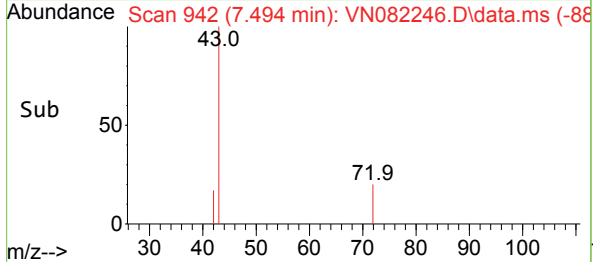
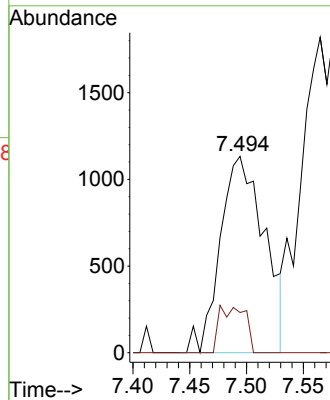
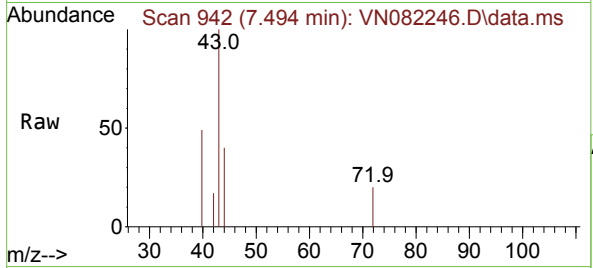




#25
2-Butanone
Concen: 1.965 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

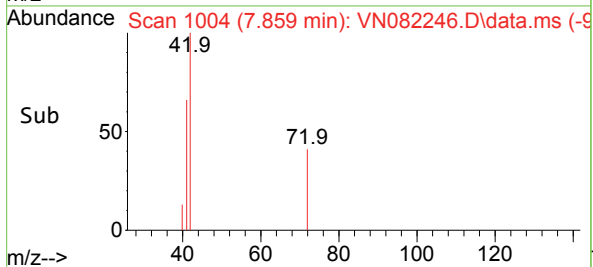
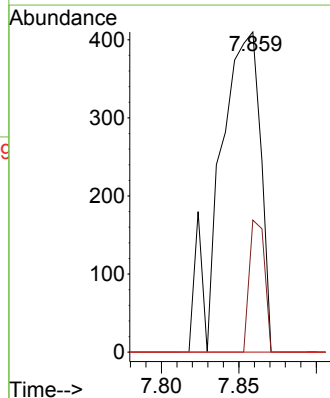
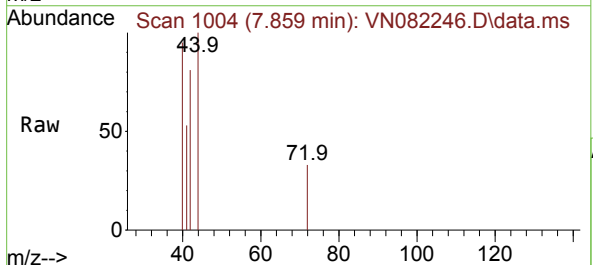
Instrument :
MSVOA_N
ClientSampleId :
MH-B

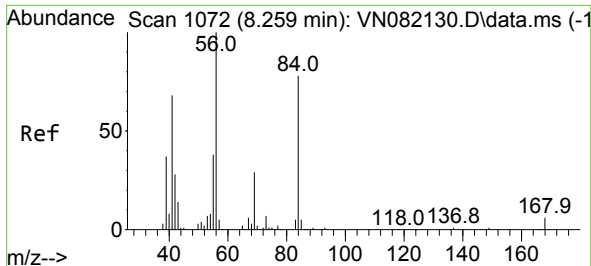
Tgt Ion: 43 Resp: 3068
Ion Ratio Lower Upper
43 100
72 20.5 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.748 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.023 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

Tgt Ion: 42 Resp: 750
Ion Ratio Lower Upper
42 100
72 15.3 39.3 58.9#
71 0.0 37.4 56.0#

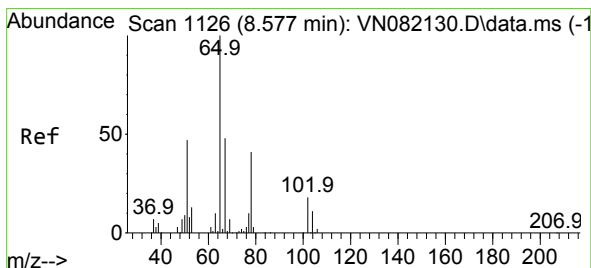
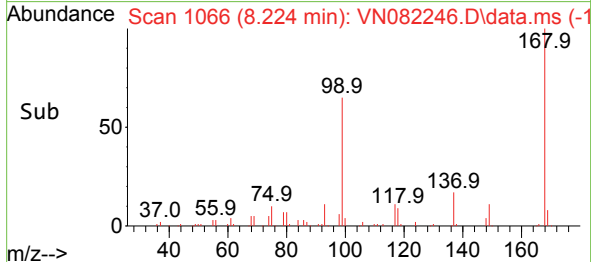
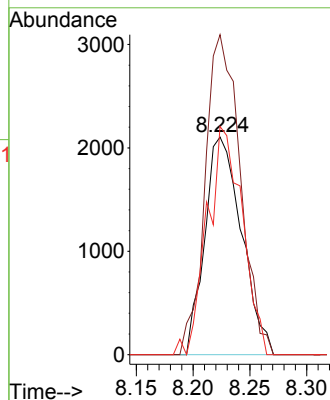
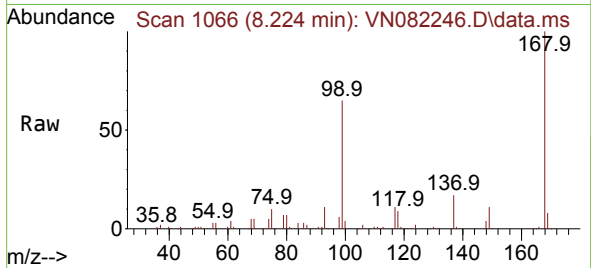




#31
Cyclohexane
Concen: 1.181 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

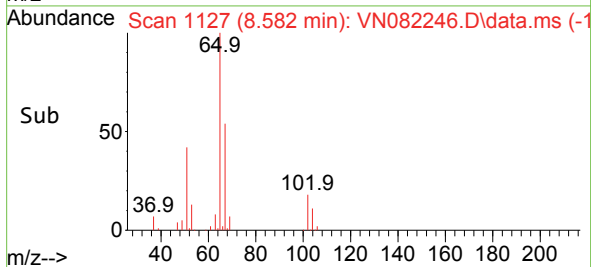
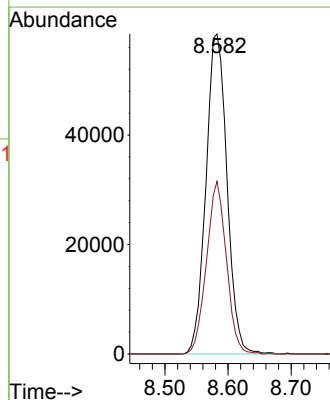
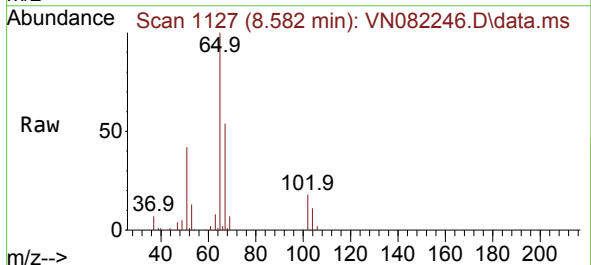
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ClientSampleId :
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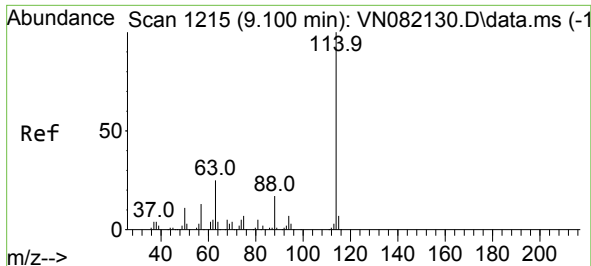
Tgt Ion: 56 Resp: 4736
Ion Ratio Lower Upper
56 100
69 147.1 24.4 36.6#
84 104.9 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 53.980 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

Tgt Ion: 65 Resp: 135500
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0

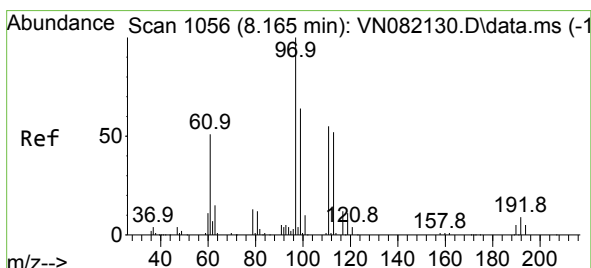
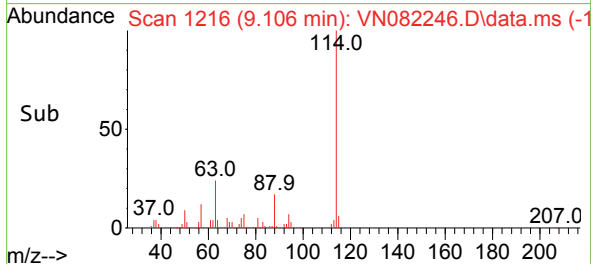
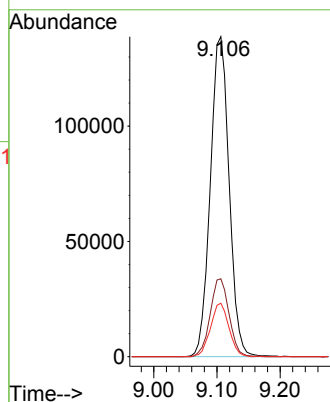
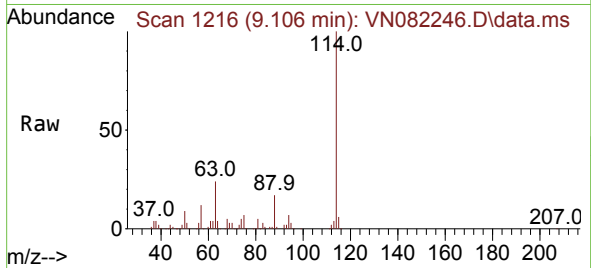




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.006 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

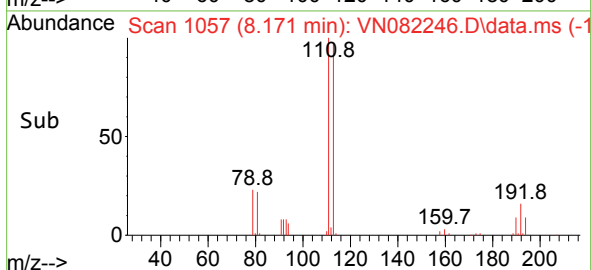
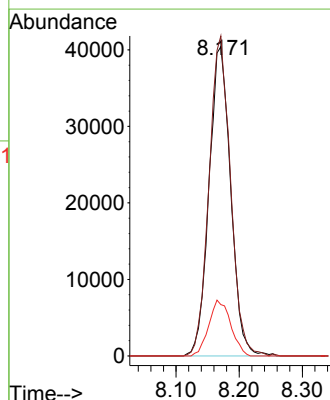
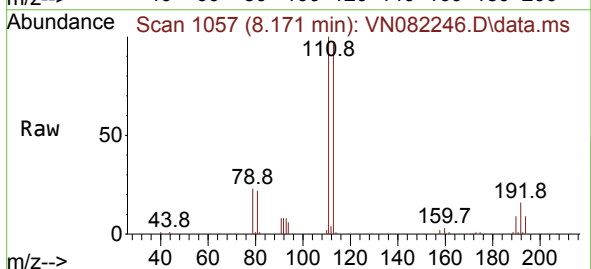
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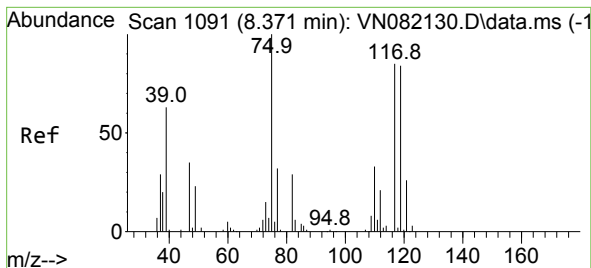
Tgt Ion:114 Resp: 286880
Ion Ratio Lower Upper
114 100
63 24.3 0.0 41.0
88 16.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 54.444 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

Tgt Ion:113 Resp: 96080
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.2
192 18.3 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.166 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082246.D

Acq: 21 May 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :

MH-B

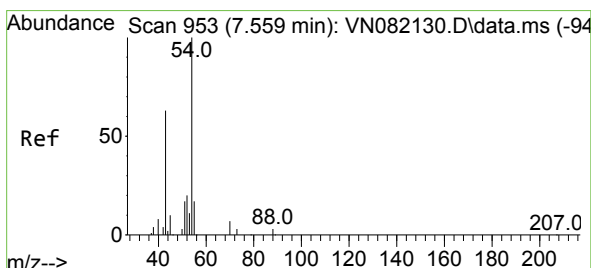
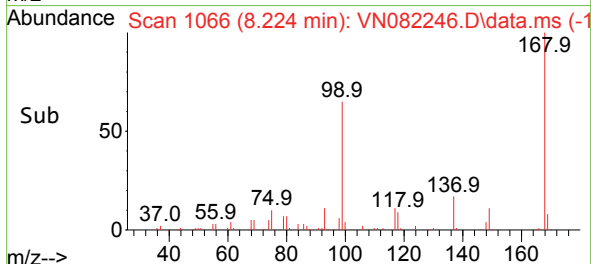
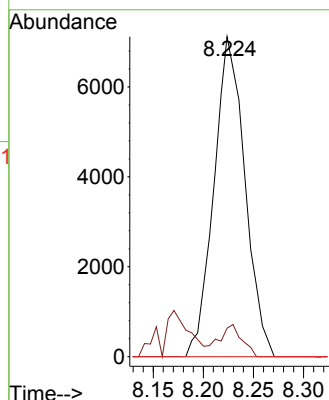
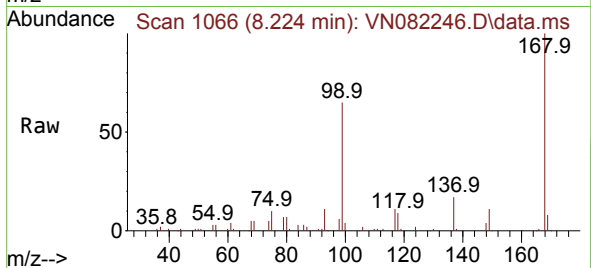
Tgt Ion: 75 Resp: 15291

Ion Ratio Lower Upper

75 100

110 7.0 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.468 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.018 min

Lab File: VN082246.D

Acq: 21 May 2024 17:30

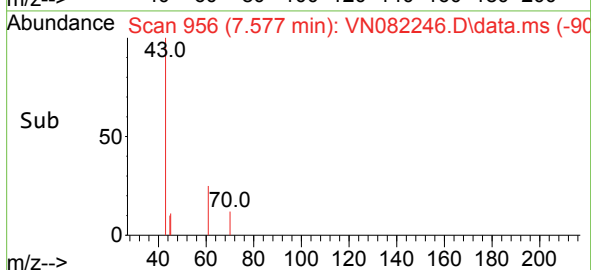
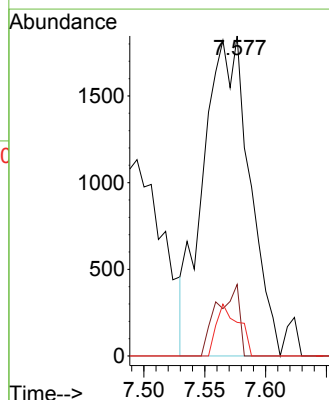
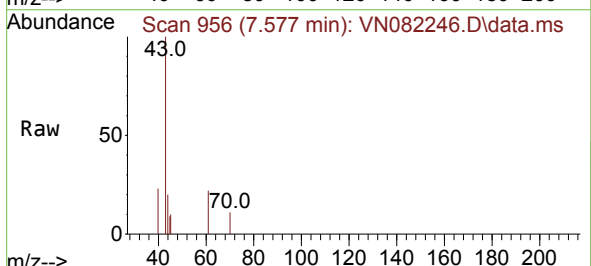
Tgt Ion: 43 Resp: 4863

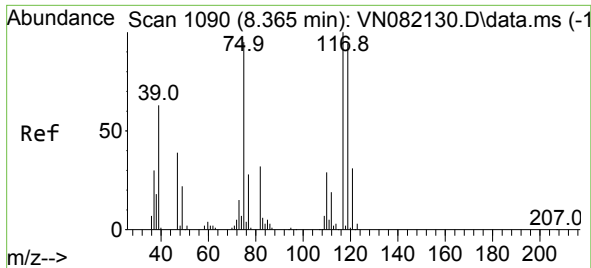
Ion Ratio Lower Upper

43 100

61 10.8 11.3 16.9#

70 7.8 8.7 13.1#

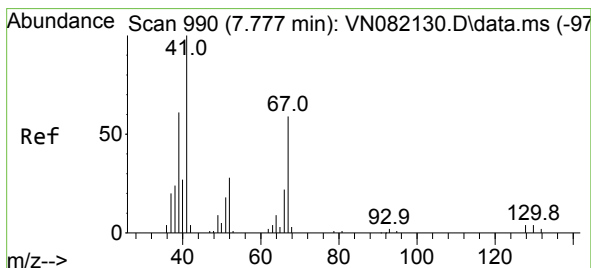
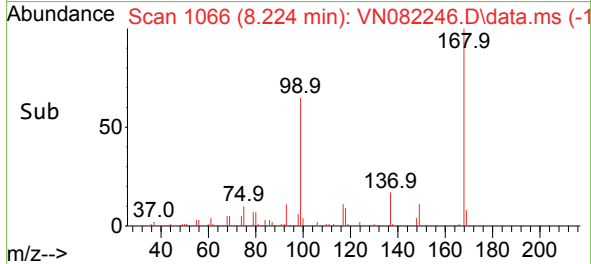
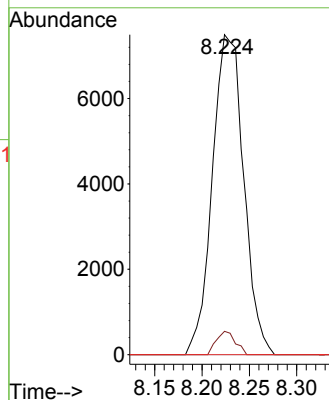
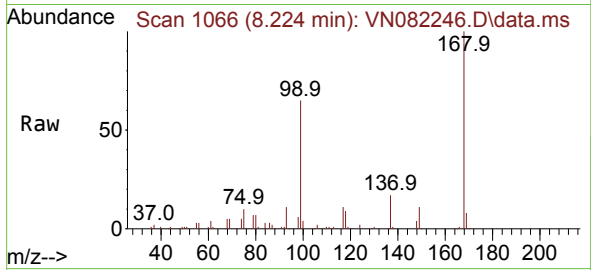




#38
Carbon Tetrachloride
Concen: 5.749 ug/l
RT: 8.224 min Scan# 1004
Delta R.T. -0.141 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

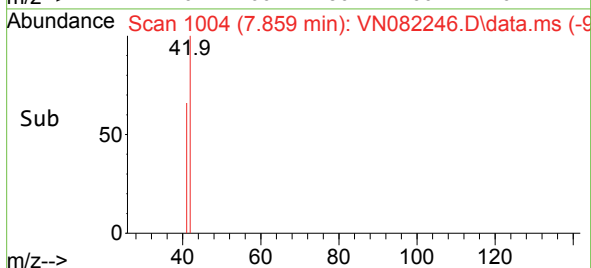
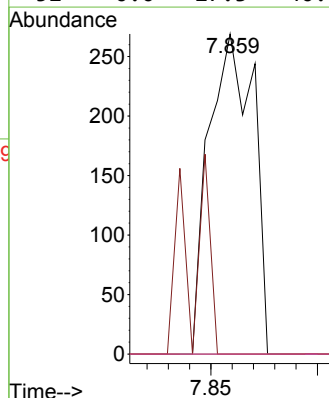
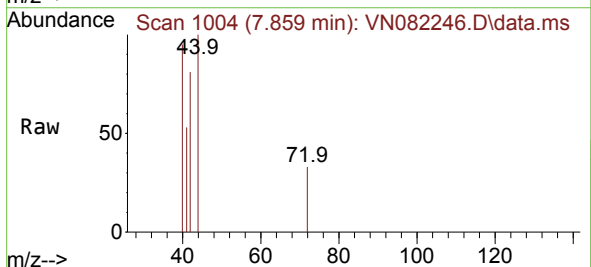
Instrument :
MSVOA_N
ClientSampleId :
MH-B

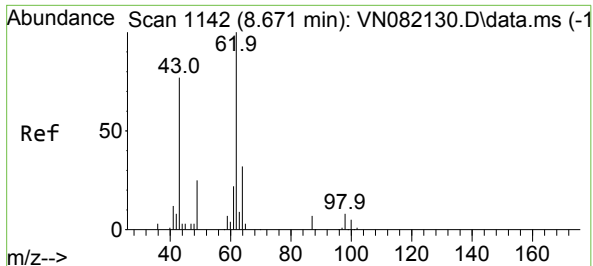
Tgt Ion:117 Resp: 17248
Ion Ratio Lower Upper
117 100
119 7.3 76.5 114.7#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 0.201 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.082 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

Tgt Ion: 41 Resp: 391
Ion Ratio Lower Upper
41 100
39 29.2 46.6 69.8#
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.315 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082246.D

Acq: 21 May 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :

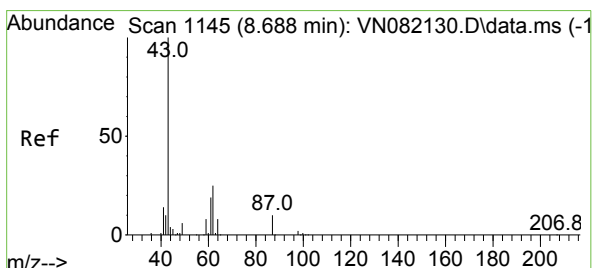
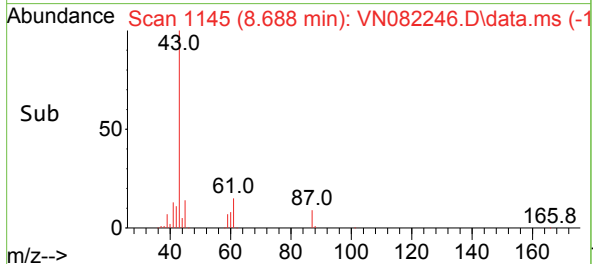
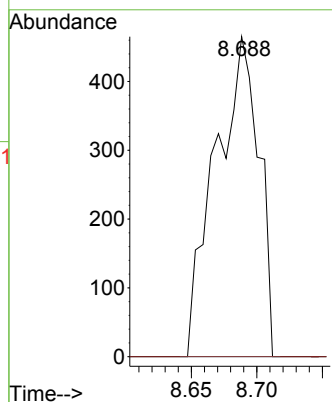
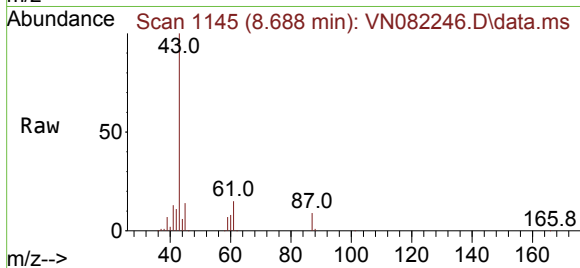
MH-B

Tgt Ion: 62 Resp: 1069

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 49.316 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082246.D

Acq: 21 May 2024 17:30

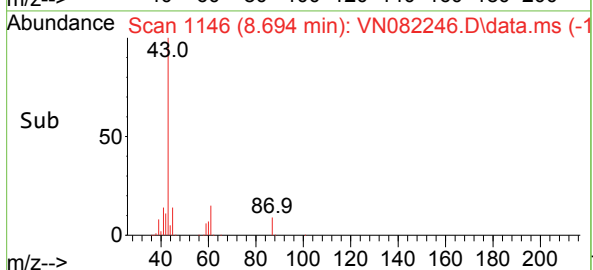
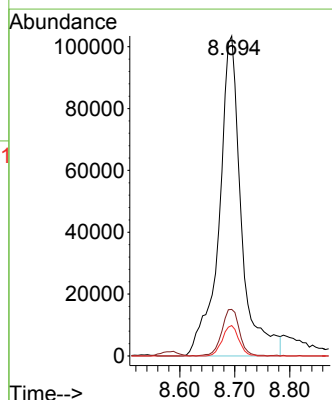
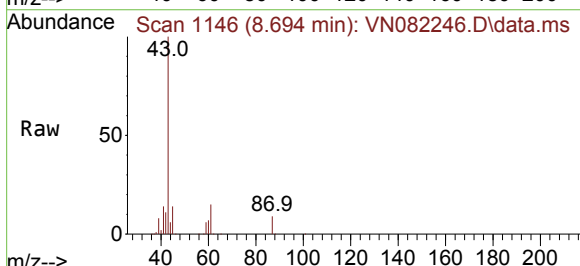
Tgt Ion: 43 Resp: 289448

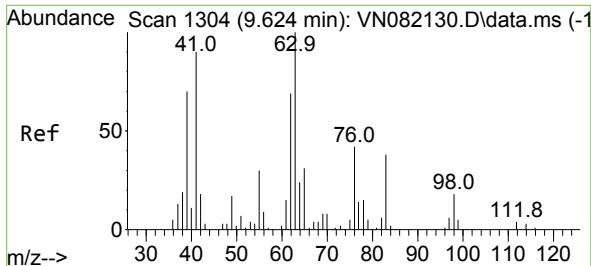
Ion Ratio Lower Upper

43 100

61 11.7 22.8 34.2#

87 7.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.820 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN082246.D

Acq: 21 May 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :

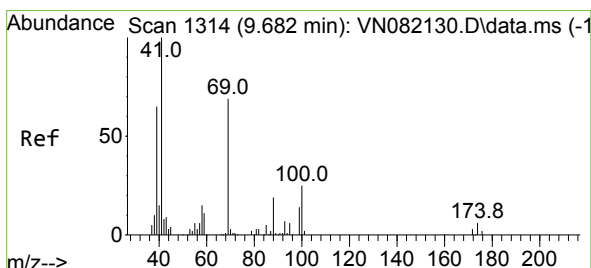
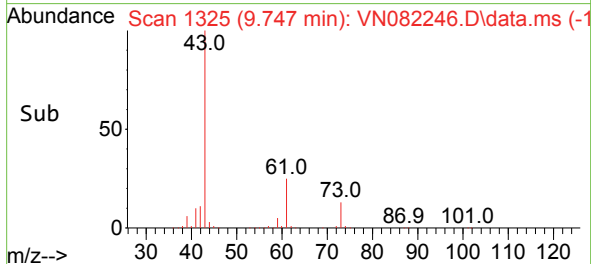
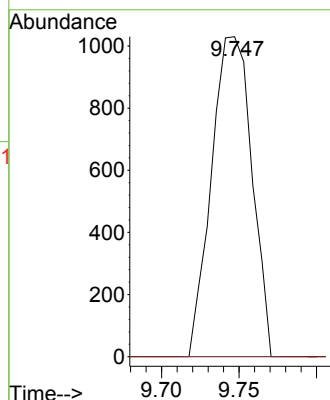
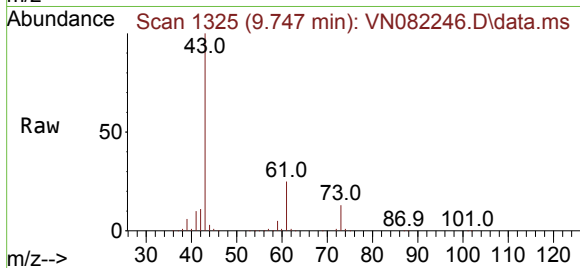
MH-B

Tgt Ion: 63 Resp: 1867

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.843 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082246.D

Acq: 21 May 2024 17:30

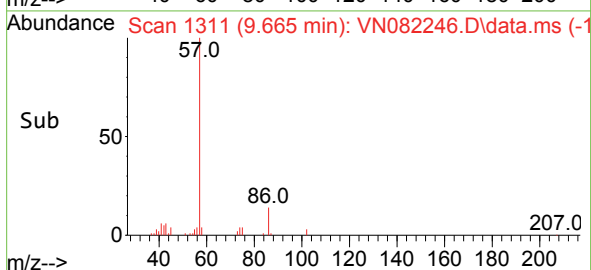
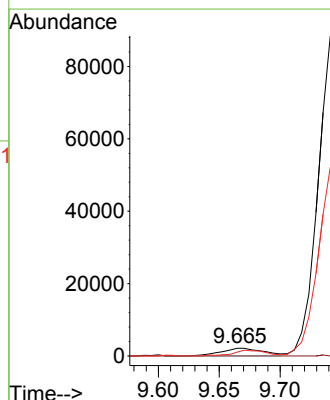
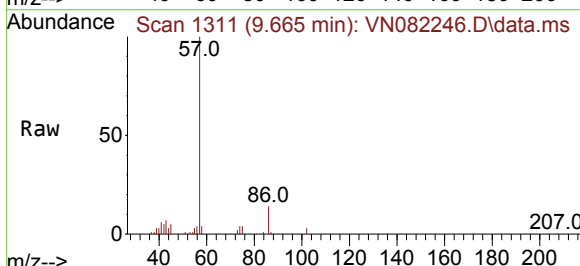
Tgt Ion: 41 Resp: 5153

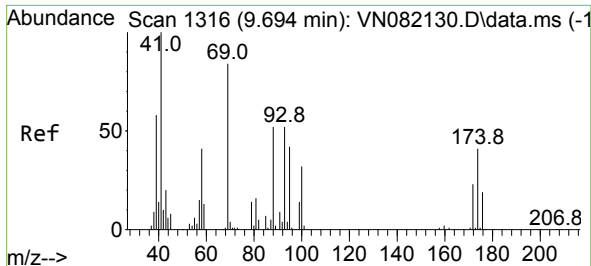
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 57.9 50.9 76.3





#49

1,4-Dioxane

Concen: 1.480 ug/l

RT: 9.729 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN082246.D

Acq: 21 May 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :

MH-B

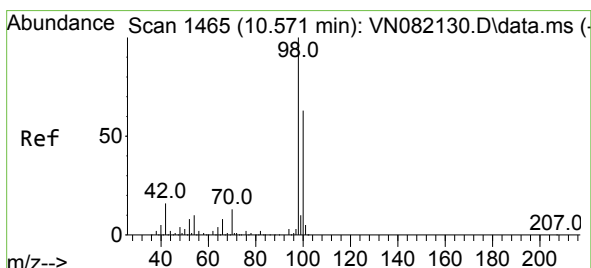
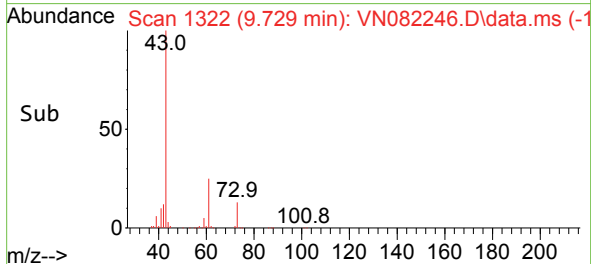
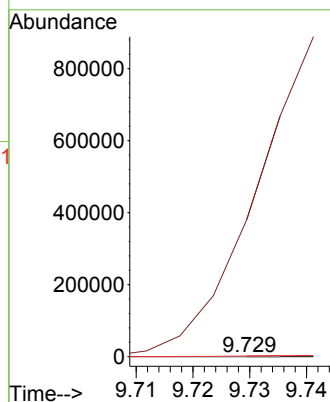
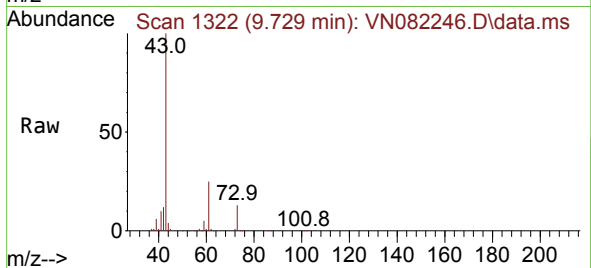
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 50.6 76.0#



#50

Toluene-d8

Concen: 56.122 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082246.D

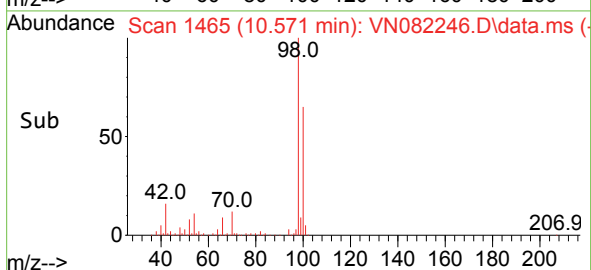
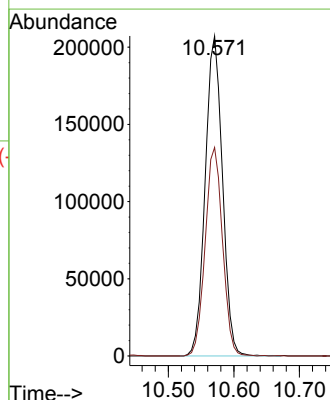
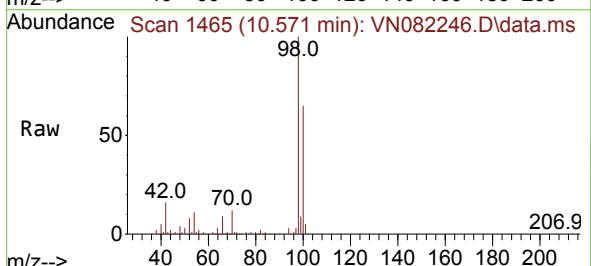
Acq: 21 May 2024 17:30

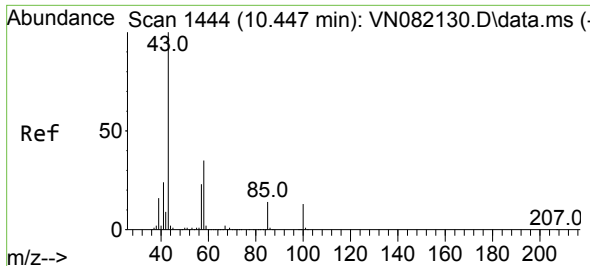
Tgt Ion: 98 Resp: 379716

Ion Ratio Lower Upper

98 100

100 65.4 51.8 77.6

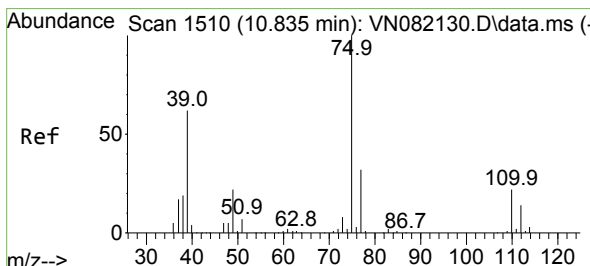
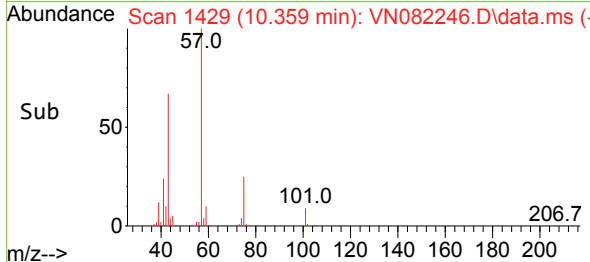
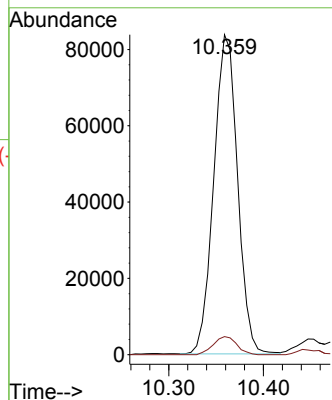
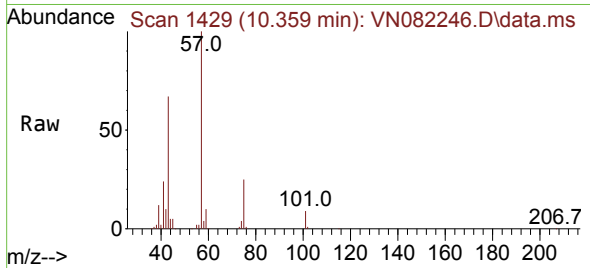




#51
4-Methyl-2-Pentanone
Concen: 43.794 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

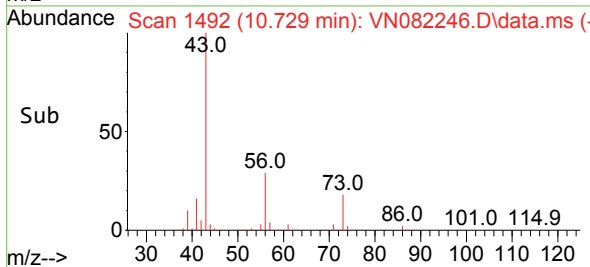
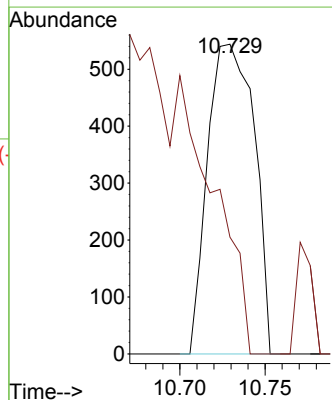
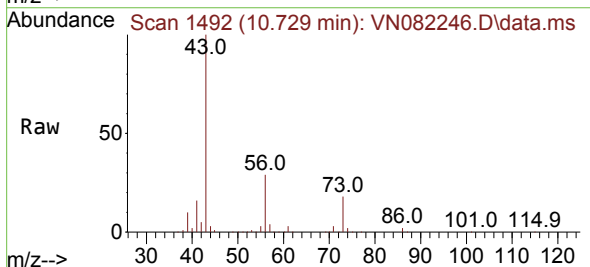
Instrument :
MSVOA_N
ClientSampleId :
MH-B

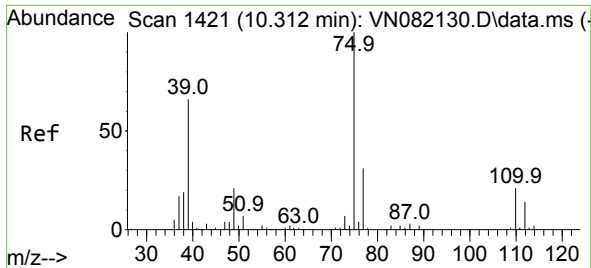
Tgt Ion: 43 Resp: 146040
Ion Ratio Lower Upper
43 100
58 5.6 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.316 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

Tgt Ion: 75 Resp: 1033
Ion Ratio Lower Upper
75 100
77 37.7 25.4 38.0

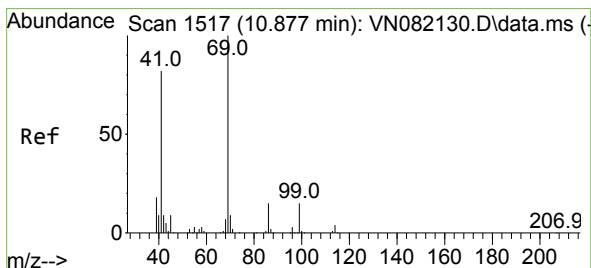
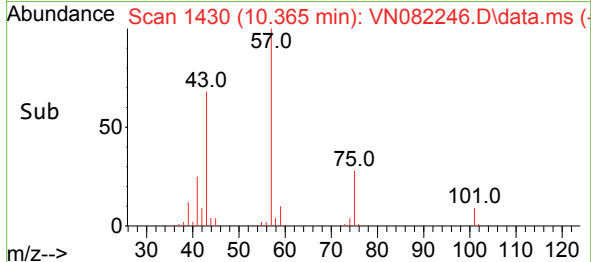
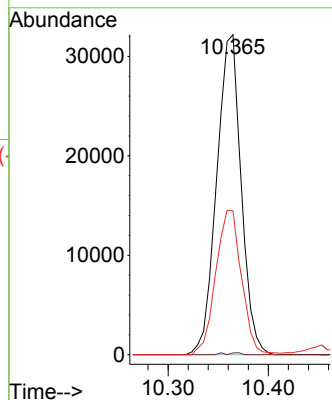
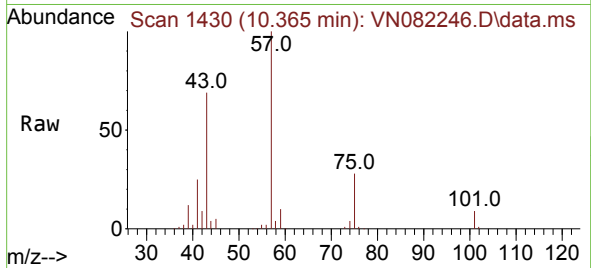




#54
 cis-1,3-Dichloropropene
 Concen: 15.780 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.053 min
 Lab File: VN082246.D
 Acq: 21 May 2024 17:30

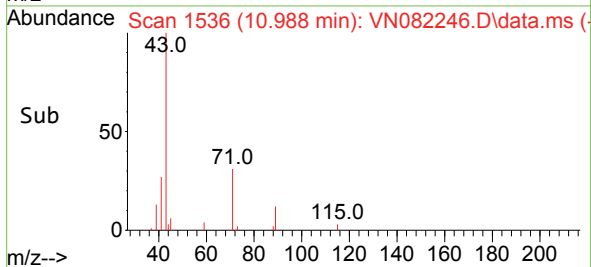
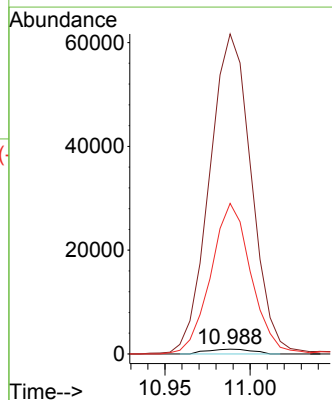
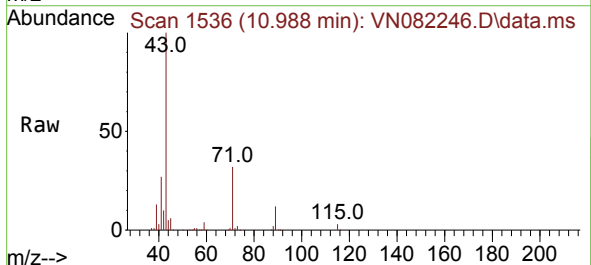
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-B

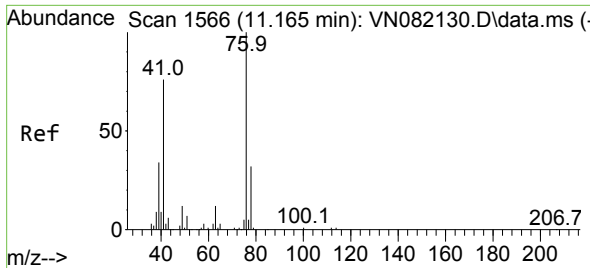
Tgt Ion: 75 Resp: 54523
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 45.0 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.518 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082246.D
 Acq: 21 May 2024 17:30

Tgt Ion: 69 Resp: 1693
 Ion Ratio Lower Upper
 69 100
 41 6268.9 46.6 70.0#
 39 2826.4 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.893 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082246.D

Acq: 21 May 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :

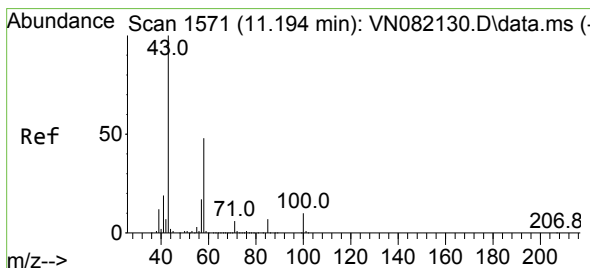
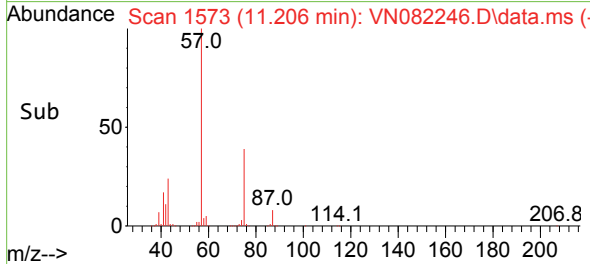
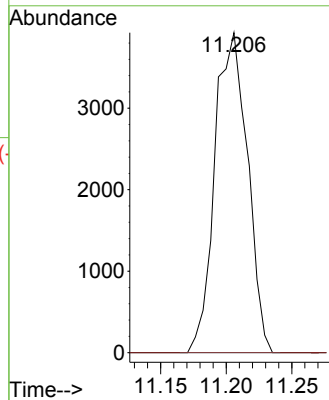
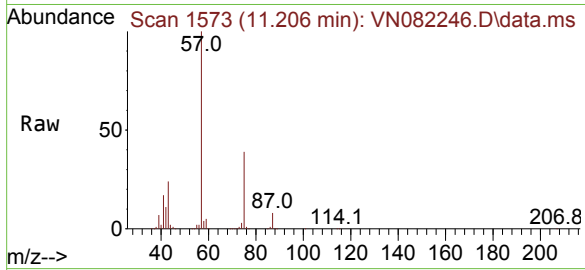
MH-B

Tgt Ion: 76 Resp: 6814

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 39.914 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN082246.D

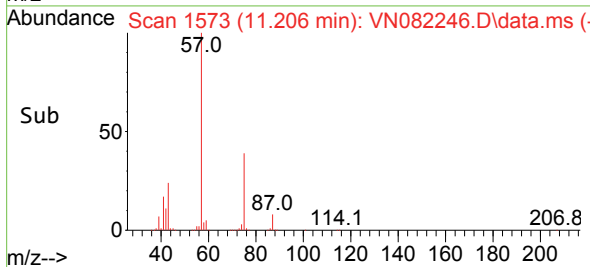
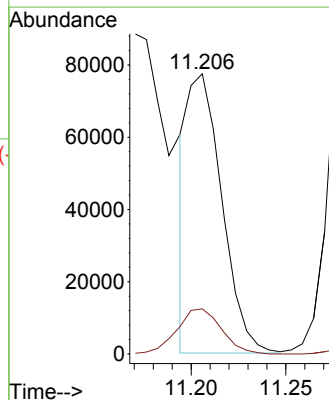
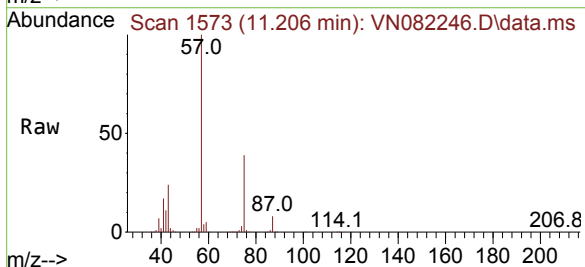
Acq: 21 May 2024 17:30

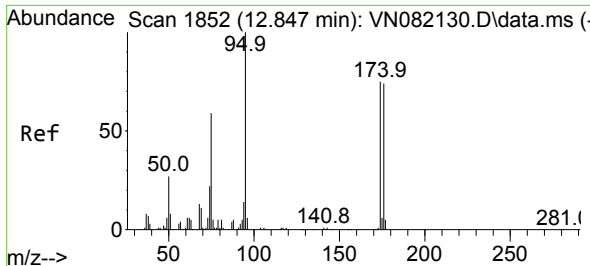
Tgt Ion: 43 Resp: 97457

Ion Ratio Lower Upper

43 100

58 21.0 28.3 84.9#

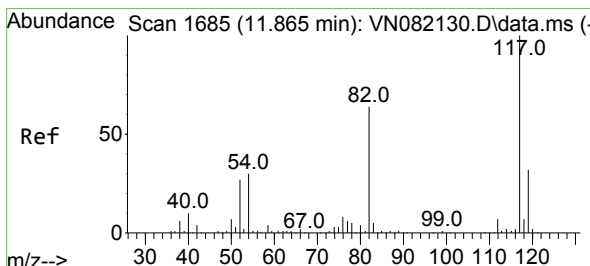
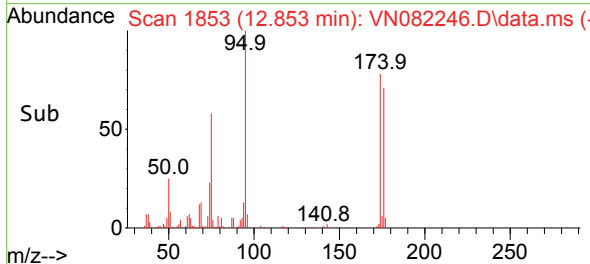
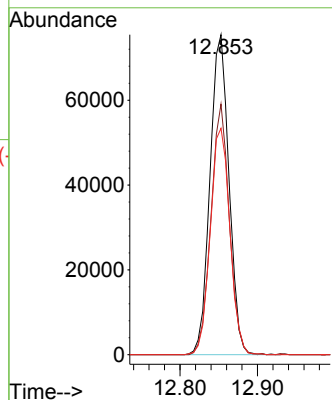
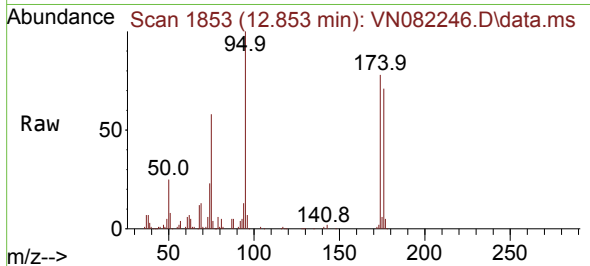




#62
4-Bromofluorobenzene
Concen: 53.217 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

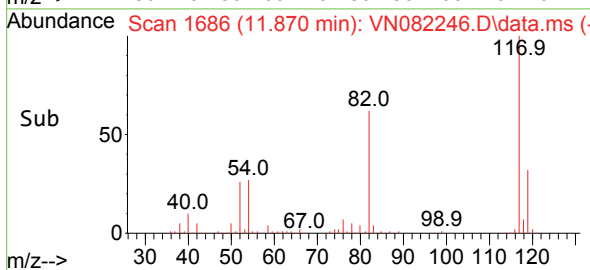
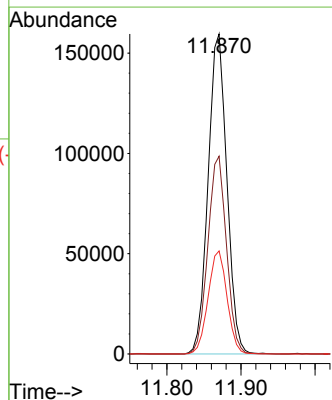
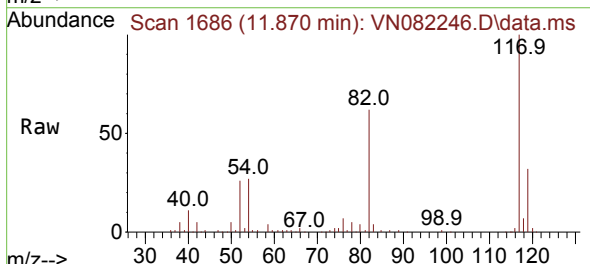
Instrument :
MSVOA_N
ClientSampleId :
MH-B

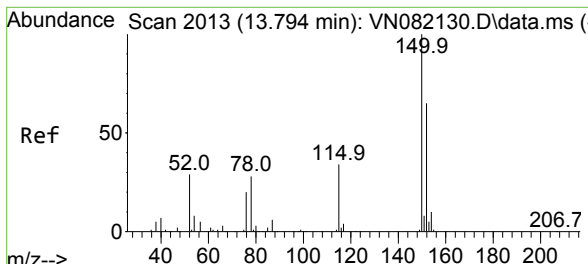
Tgt Ion: 95 Resp: 128515
Ion Ratio Lower Upper
95 100
174 76.0 0.0 160.6
176 72.9 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

Tgt Ion: 117 Resp: 280544
Ion Ratio Lower Upper
117 100
82 61.8 44.6 66.8
119 32.2 25.9 38.9

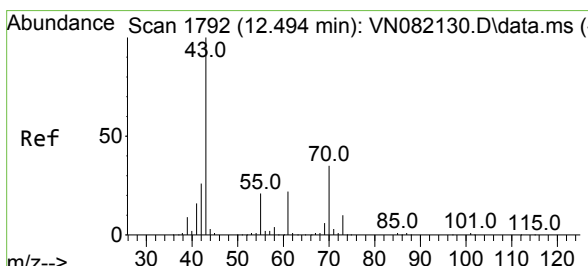
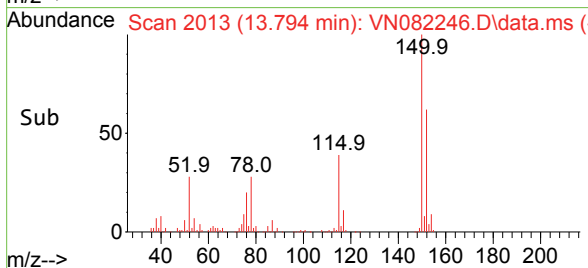
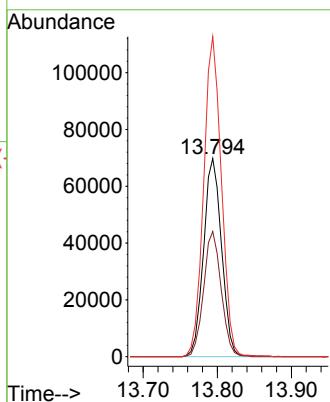
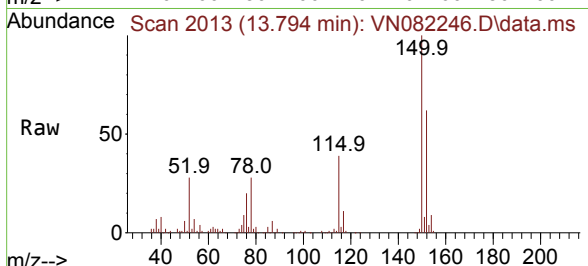




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082246.D
 Acq: 21 May 2024 17:30

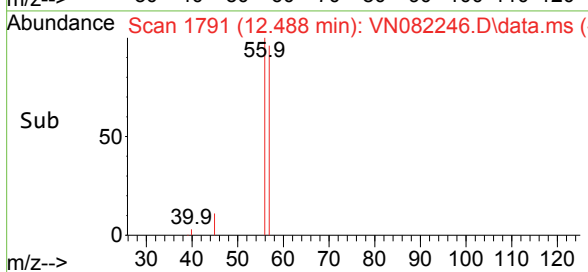
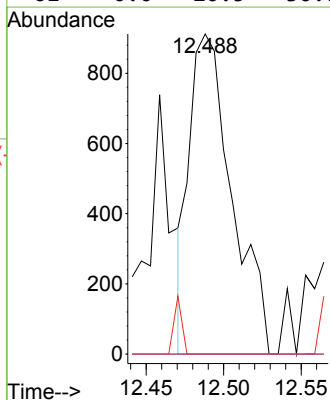
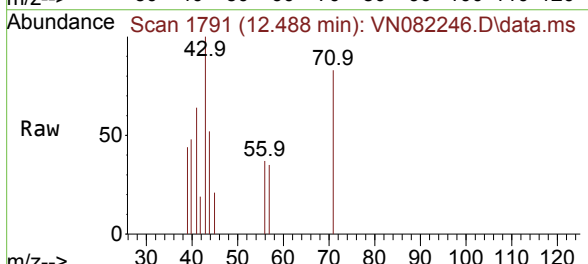
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-B

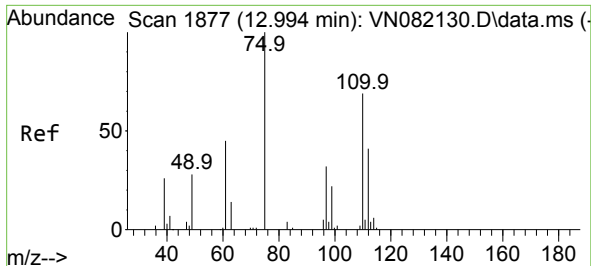
Tgt Ion:	152	Resp:	117728
Ion	Ratio	Lower	Upper
152	100		
115	61.7	30.4	91.3
150	158.8	0.0	353.2



#74
 N-amy1 acetate
 Concen: 0.339 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN082246.D
 Acq: 21 May 2024 17:30

Tgt Ion:	43	Resp:	1743
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	3.3	21.3	31.9#
61	0.0	20.5	30.7#

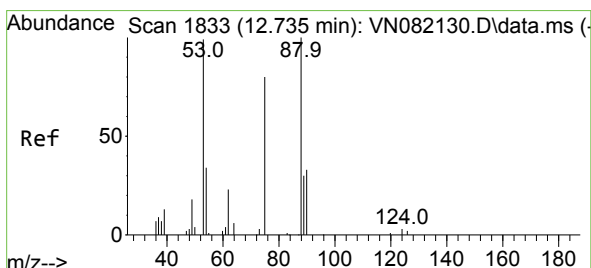
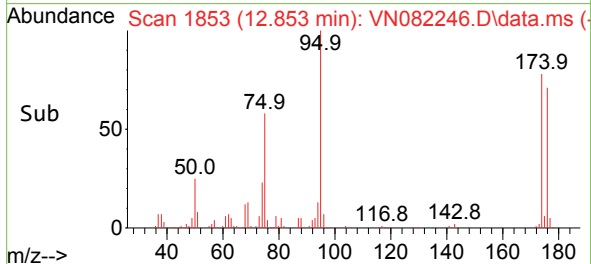
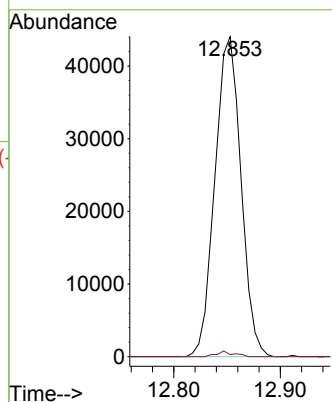
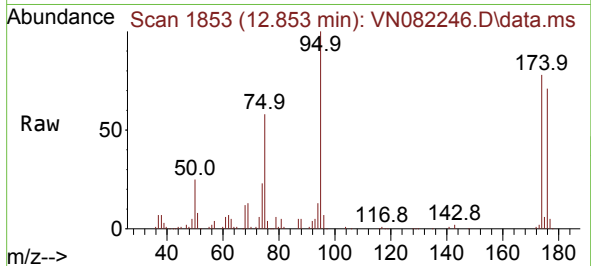




#76
1,2,3-Trichloropropane
Concen: 30.178 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
MH-B

Tgt Ion: 75 Resp: 74777
Ion Ratio Lower Upper
75 100
77 1.1 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.584 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082246.D
Acq: 21 May 2024 17:30

Tgt Ion: 75 Resp: 74777
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

