

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082072.D
 Acq On : 10 May 2024 16:10
 Operator : JC\MD
 Sample : PB160834ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:24:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

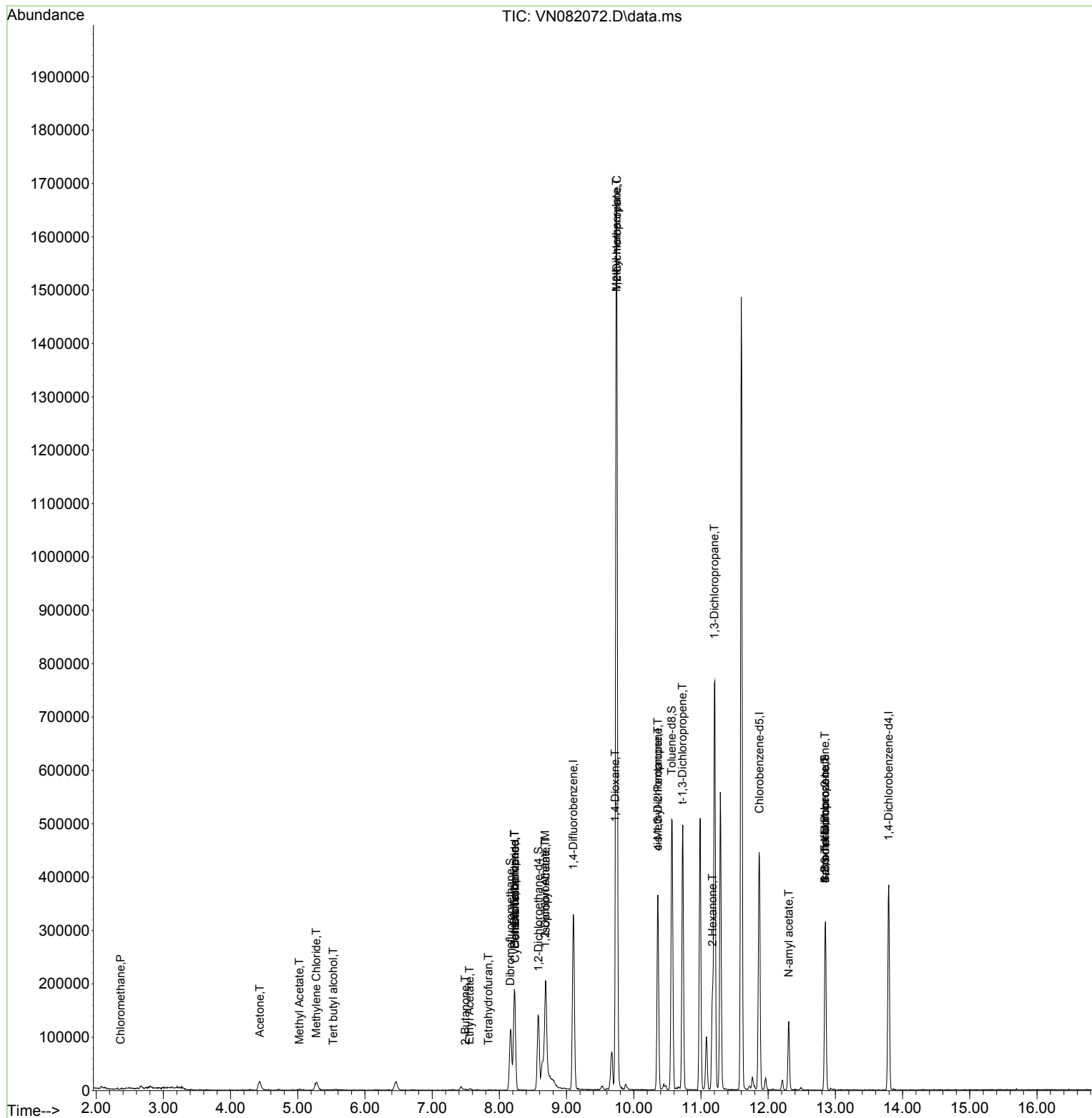
Internal Standards						
1) Pentafluorobenzene	8.230	168	122395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	243202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	88387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	111748	54.097	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.200%	
35) Dibromofluoromethane	8.165	113	81117	50.759	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.520%	
50) Toluene-d8	10.565	98	341275	54.375	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.740%	
62) 4-Bromofluorobenzene	12.847	95	111613	44.986	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 89.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	523	0.292	ug/l	99
5) Bromomethane	2.983	94	257	Below Cal	#	78
11) Tert butyl alcohol	5.530	59	192	0.511	ug/l #	71
13) Acrolein	4.183	56	109	Below Cal	#	1
16) Acetone	4.436	43	31217	46.657	ug/l	95
18) Methyl Acetate	5.024	43	1862	0.890	ug/l #	64
20) Methylene Chloride	5.277	84	10829	6.117	ug/l	85
25) 2-Butanone	7.494	43	3426	2.922	ug/l	100
29) Tetrahydrofuran	7.835	42	612	0.728	ug/l #	29
31) Cyclohexane	8.235	56	4671	1.501	ug/l #	57
36) 1,1-Dichloropropene	8.224	75	13872	5.336	ug/l #	47
37) Ethyl Acetate	7.559	43	4954	1.762	ug/l #	87
38) Carbon Tetrachloride	8.230	117	14115	5.555	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	1642	0.567	ug/l #	73
43) Isopropyl Acetate	8.688	43	301288	57.003	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	2139	1.047	ug/l #	45
48) Methyl methacrylate	9.741	41	148957	59.035	ug/l #	36
49) 1,4-Dioxane	9.724	88	90	2.347	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	139280	46.810	ug/l #	43
53) t-1,3-Dichloropropene	10.724	75	1168	0.361	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	64647	19.362	ug/l #	64
57) 1,3-Dichloropropane	11.200	76	8561	2.620	ug/l #	42
59) 2-Hexanone	11.171	43	155941	70.424	ug/l #	23
71) Bromoform	12.847	173	743	0.548	ug/l #	28
74) N-amyl acetate	12.306	43	40083	9.161	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	63436	27.681	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63436	56.722	ug/l #	12

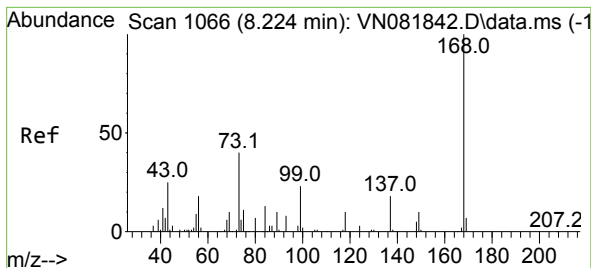
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
Data File : VN082072.D
Acq On : 10 May 2024 16:10
Operator : JC\MD
Sample : PB160834ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 10 23:24:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082072.D

Acq: 10 May 2024 16:10

Instrument :

MSVOA_N

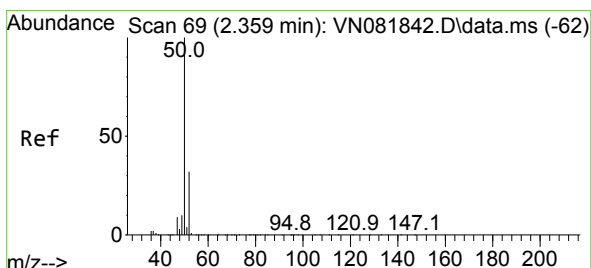
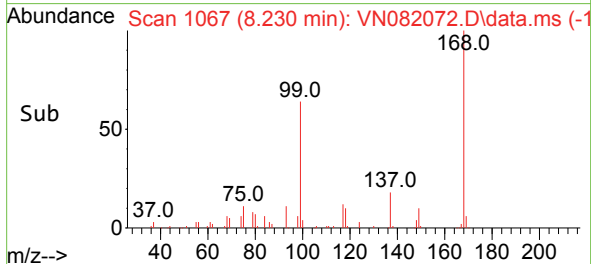
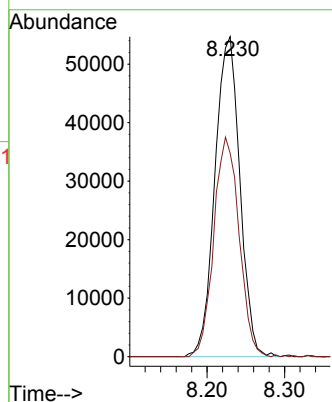
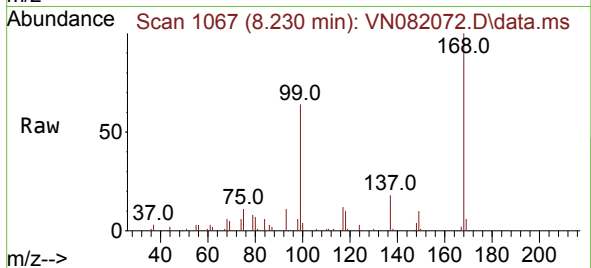
ClientSampleId :

Tgt Ion:168 Resp: 122395

Ion Ratio Lower Upper

168 100

99 63.6 48.2 72.4



#3

Chloromethane

Concen: 0.292 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082072.D

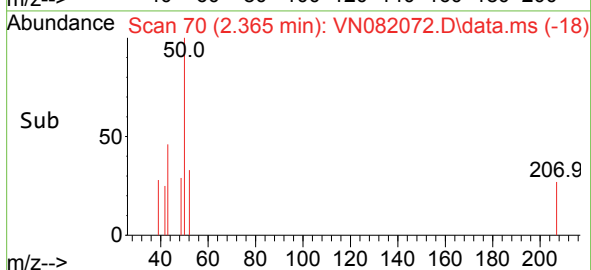
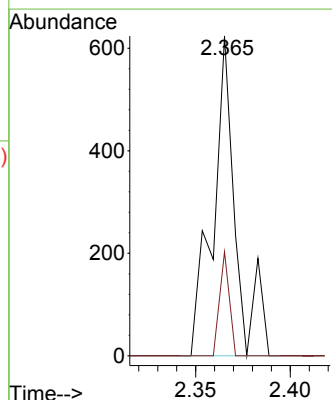
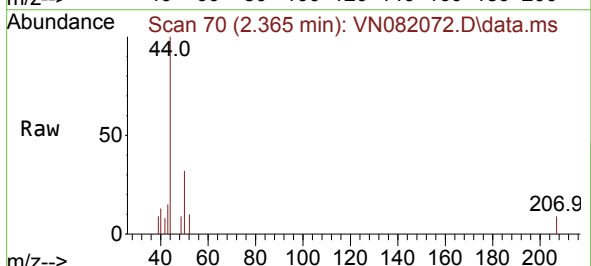
Acq: 10 May 2024 16:10

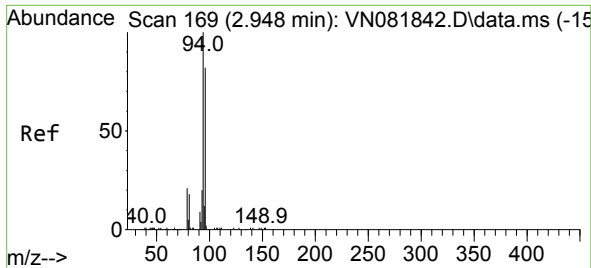
Tgt Ion: 50 Resp: 523

Ion Ratio Lower Upper

50 100

52 32.5 25.5 38.3

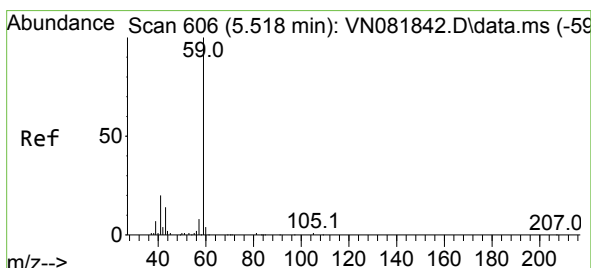
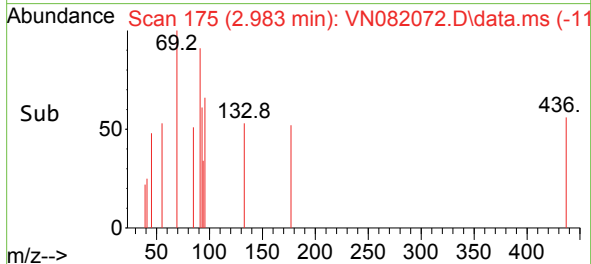
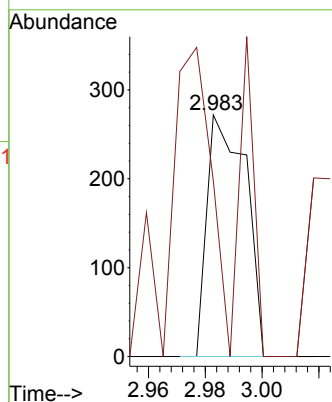
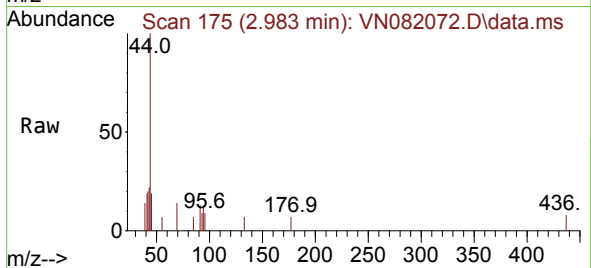




#5
Bromomethane
Concen: Below Cal
RT: 2.983 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

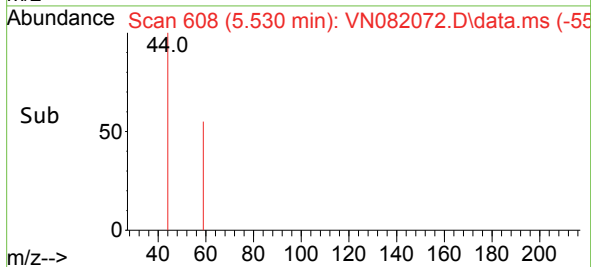
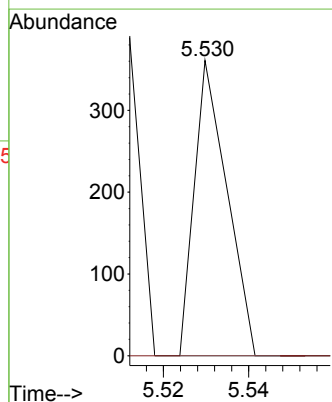
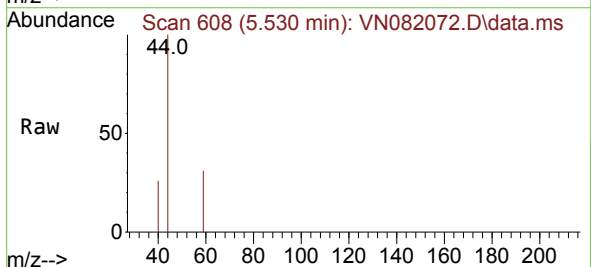
Instrument :
MSVOA_N
ClientSampleId :

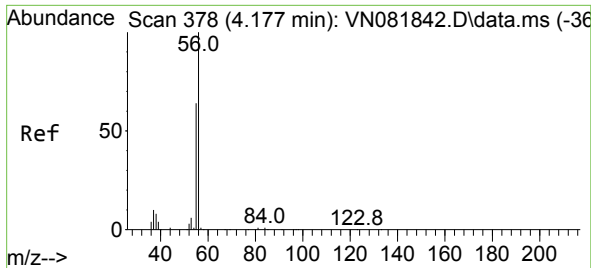
Tgt Ion: 94 Resp: 257
Ion Ratio Lower Upper
94 100
96 72.8 74.8 112.2#



#11
Tert butyl alcohol
Concen: 0.511 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

Tgt Ion: 59 Resp: 192
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

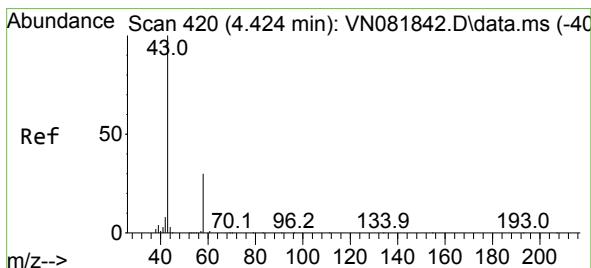
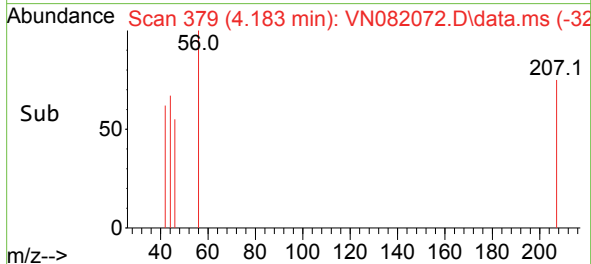
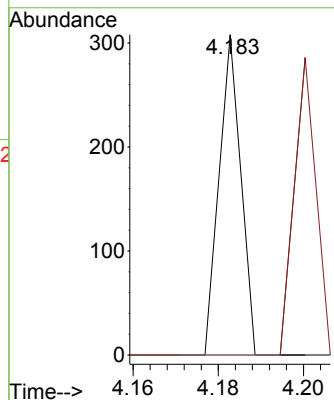
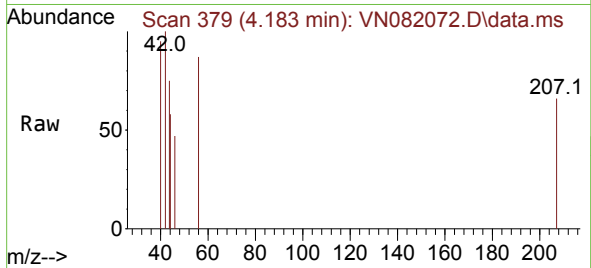




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

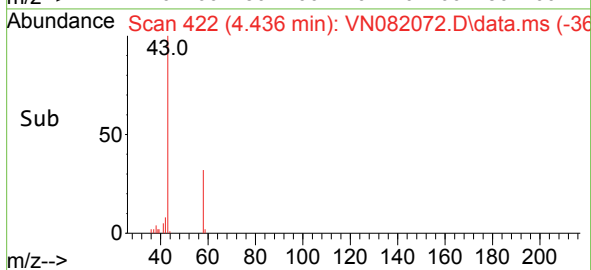
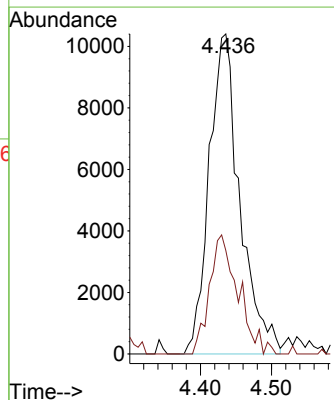
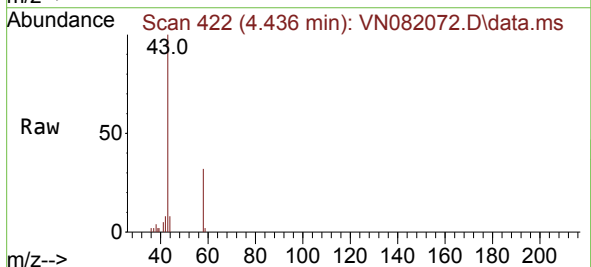
Instrument :
MSVOA_N
ClientSampleId :

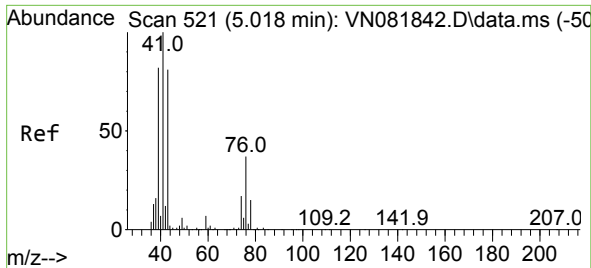
Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 164.2 55.8 83.8#



#16
Acetone
Concen: 46.657 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

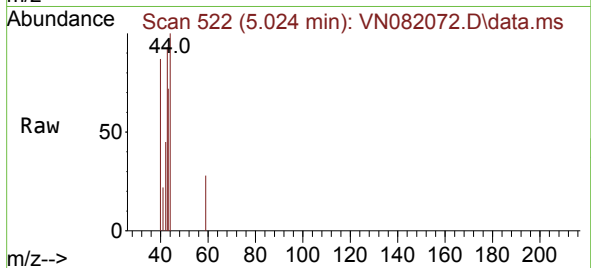
Tgt Ion: 43 Resp: 31217
Ion Ratio Lower Upper
43 100
58 34.4 25.2 37.8



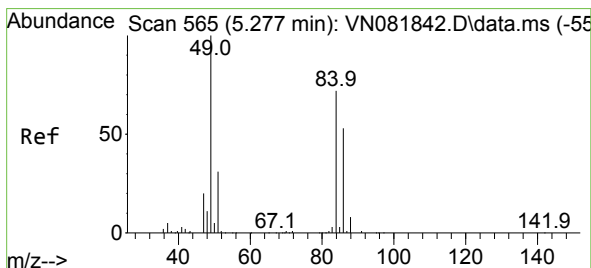
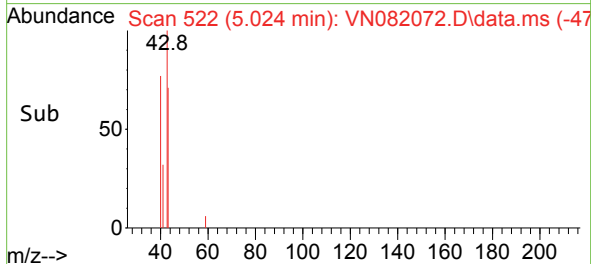
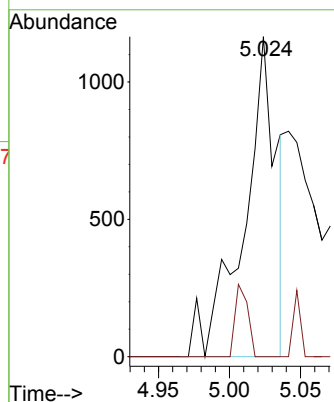


#18
Methyl Acetate
Concen: 0.890 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

Instrument :
MSVOA_N
ClientSampleId :

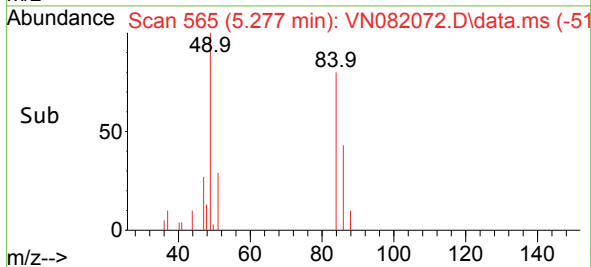
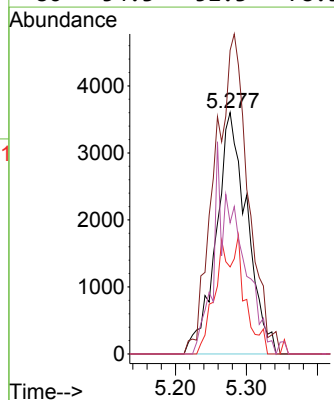
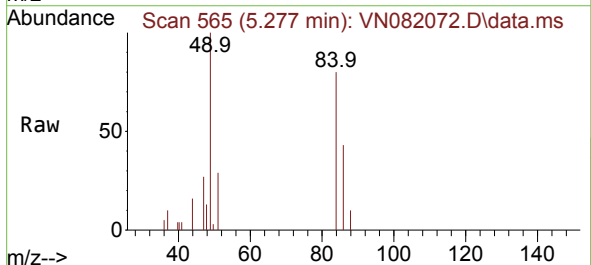


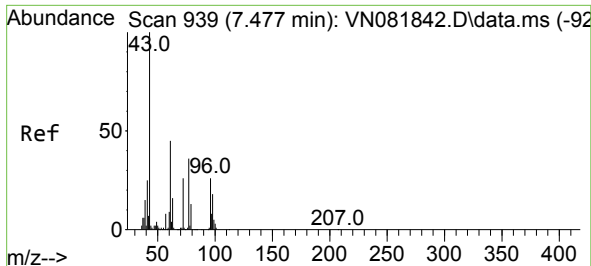
Tgt Ion: 43 Resp: 1862
Ion Ratio Lower Upper
43 100
74 8.8 22.2 33.2#



#20
Methylene Chloride
Concen: 6.117 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

Tgt Ion: 84 Resp: 10829
Ion Ratio Lower Upper
84 100
49 125.8 84.9 127.3
51 36.1 27.0 40.6
86 54.3 52.3 78.5

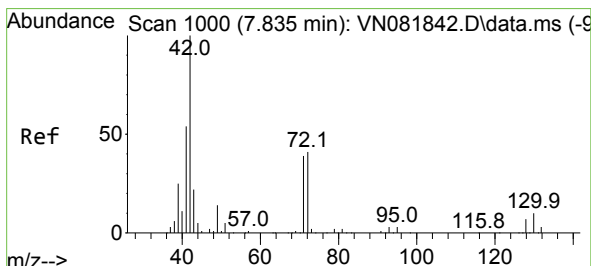
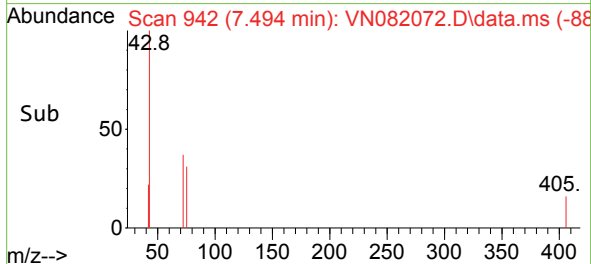
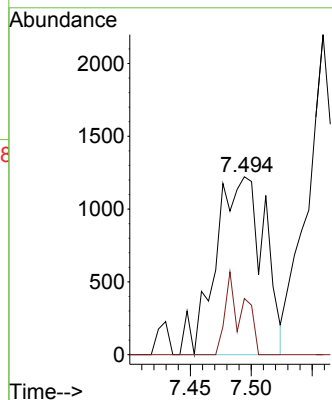
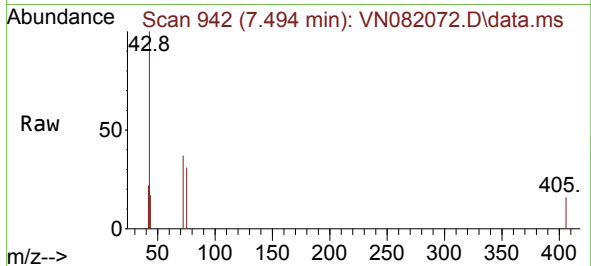




#25
2-Butanone
Concen: 2.922 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

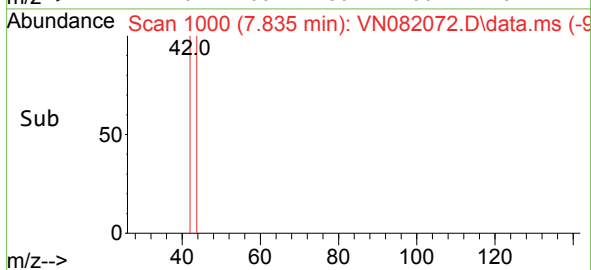
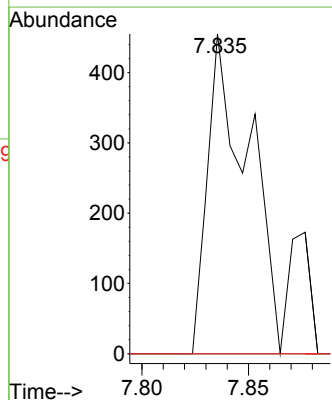
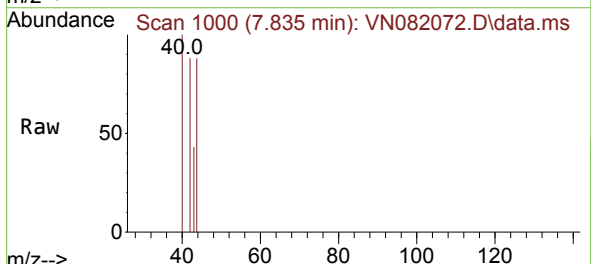
Instrument :
MSVOA_N
ClientSampleId :

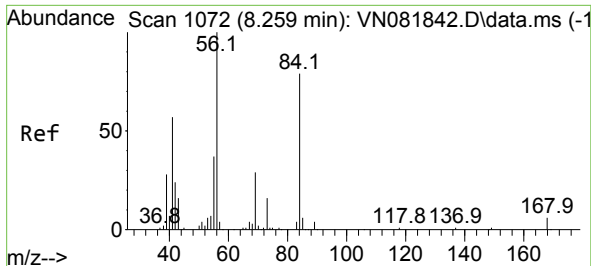
Tgt Ion: 43 Resp: 3426
Ion Ratio Lower Upper
43 100
72 31.6 25.3 37.9



#29
Tetrahydrofuran
Concen: 0.728 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

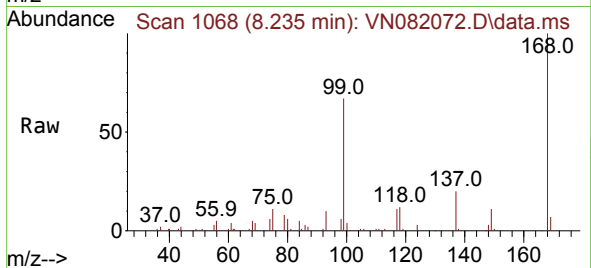
Tgt Ion: 42 Resp: 612
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



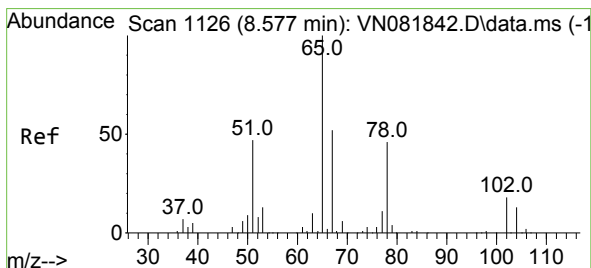
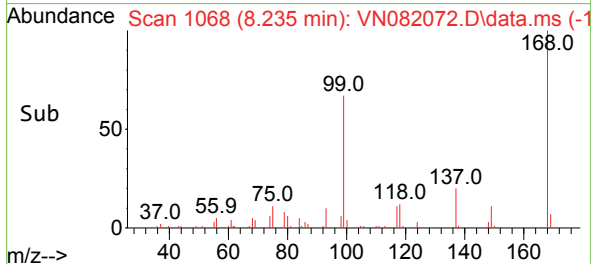
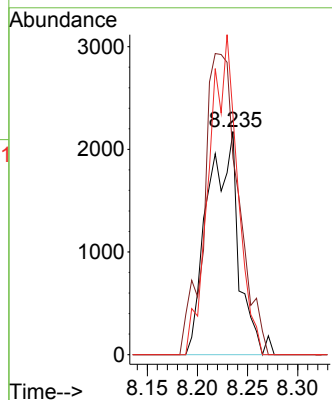


#31
Cyclohexane
Concen: 1.501 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

Instrument :
MSVOA_N
ClientSampleId :

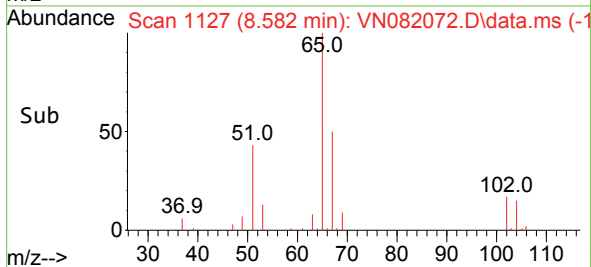
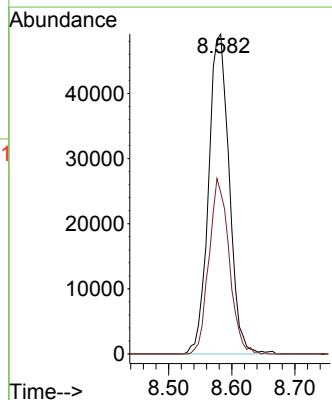
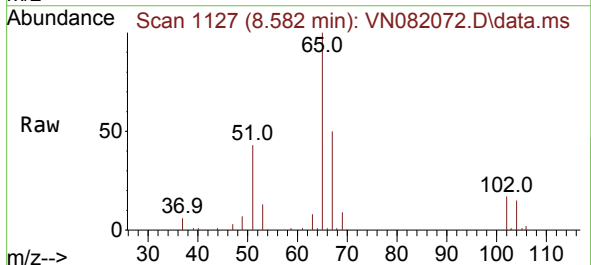


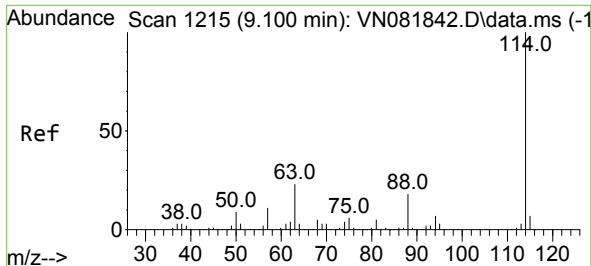
Tgt Ion: 56 Resp: 4671
Ion Ratio Lower Upper
56 100
69 88.0 24.4 36.6#
84 119.4 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 54.097 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

Tgt Ion: 65 Resp: 111748
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.0

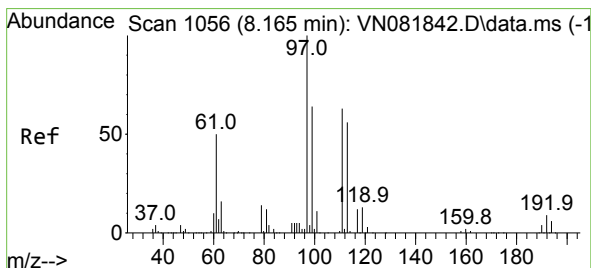
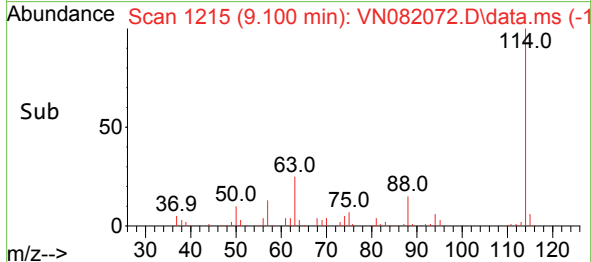
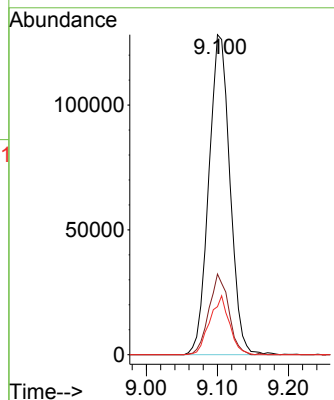
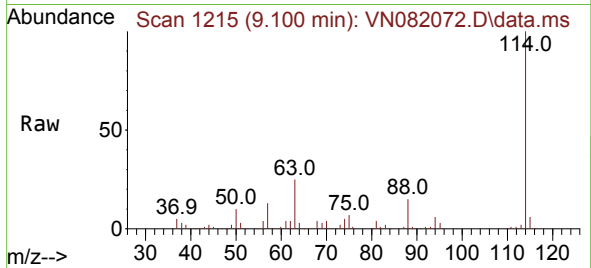




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

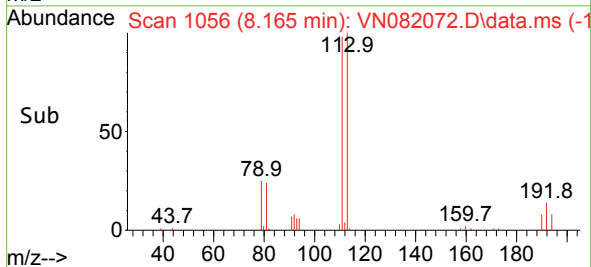
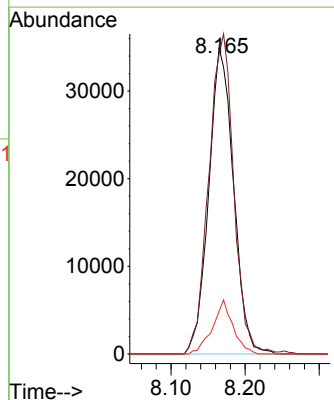
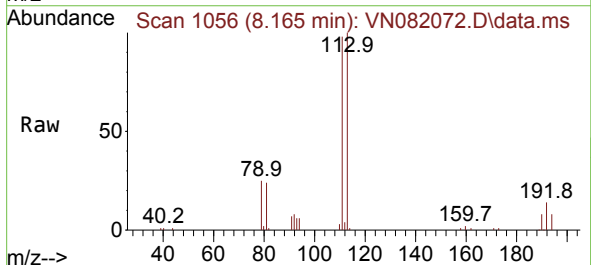
Instrument :
MSVOA_N
ClientSampleId :

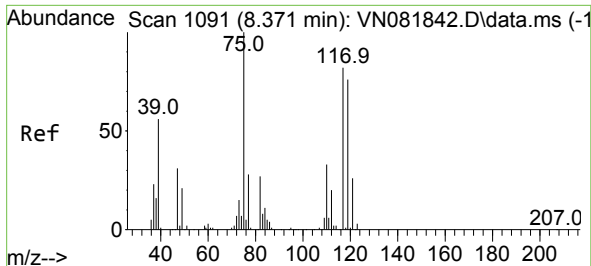
Tgt Ion:114 Resp: 265423
Ion Ratio Lower Upper
114 100
63 25.2 0.0 41.0
88 15.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.759 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

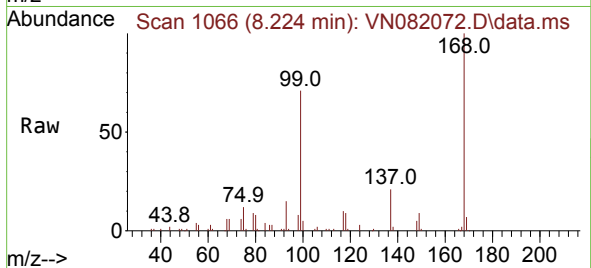
Tgt Ion:113 Resp: 81117
Ion Ratio Lower Upper
113 100
111 105.5 83.4 125.2
192 14.7 14.0 21.0



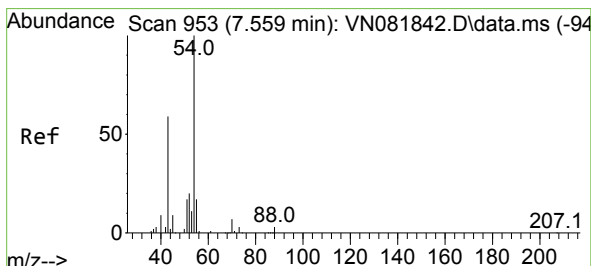
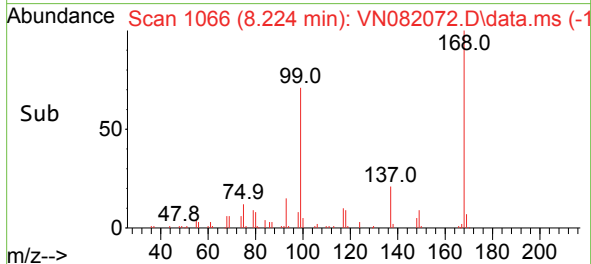
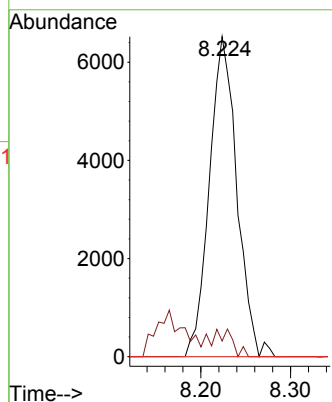


#36
1,1-Dichloropropene
Concen: 5.336 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

Instrument :
MSVOA_N
ClientSampleId :

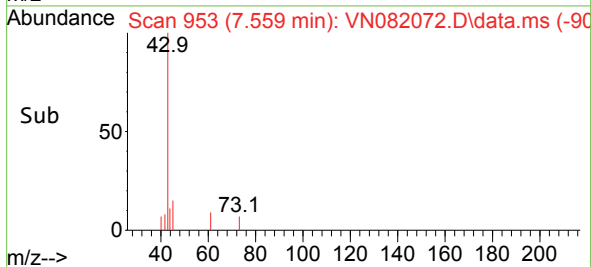
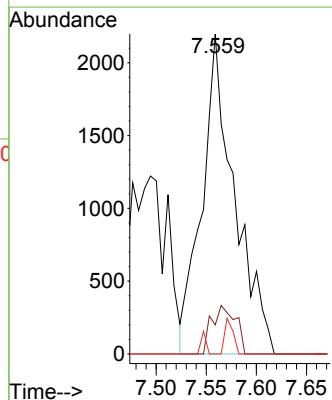
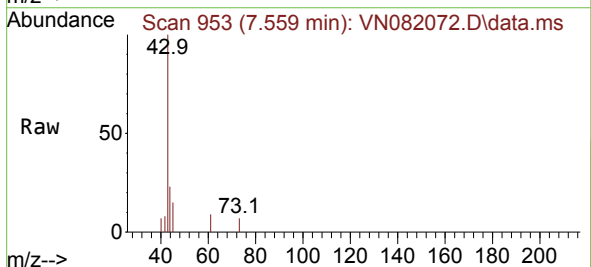


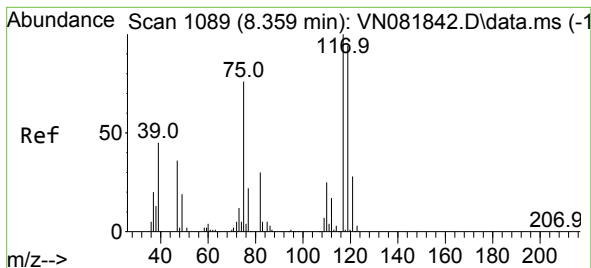
Tgt Ion: 75 Resp: 13872
Ion Ratio Lower Upper
75 100
110 6.8 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.762 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

Tgt Ion: 43 Resp: 4954
Ion Ratio Lower Upper
43 100
61 11.1 11.3 16.9#
70 2.8 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.555 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

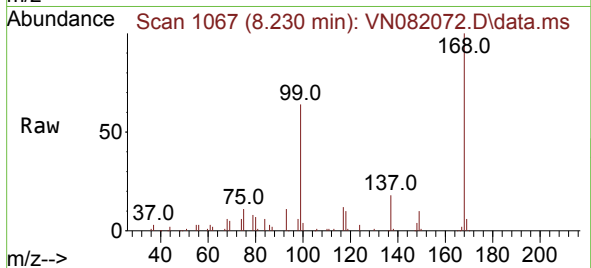
Lab File: VN082072.D

Acq: 10 May 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :



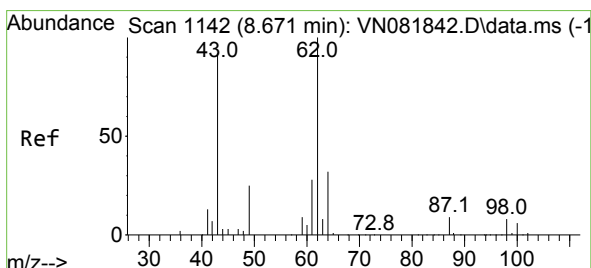
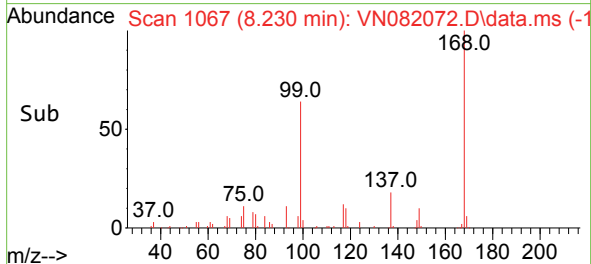
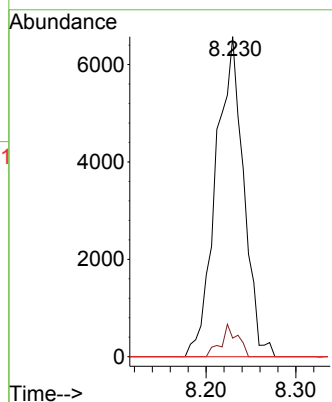
Tgt Ion:117 Resp: 14115

Ion Ratio Lower Upper

117 100

119 5.8 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.567 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082072.D

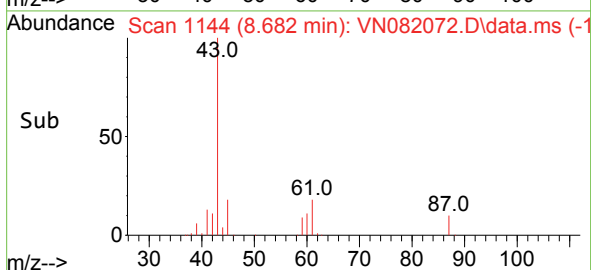
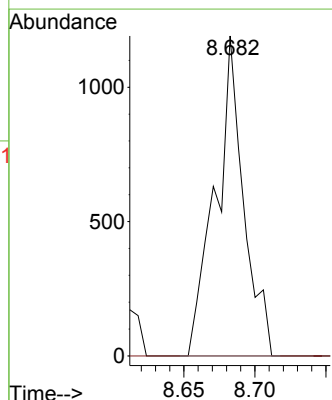
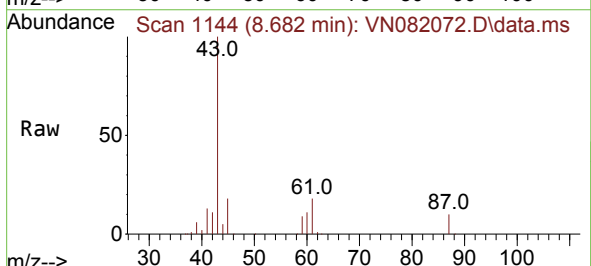
Acq: 10 May 2024 16:10

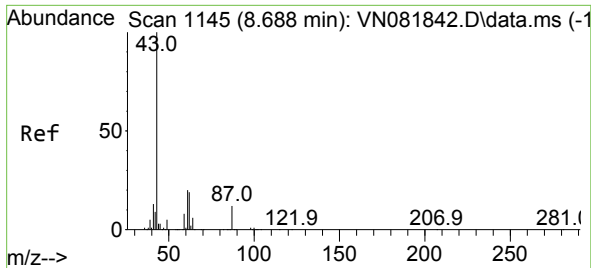
Tgt Ion: 62 Resp: 1642

Ion Ratio Lower Upper

62 100

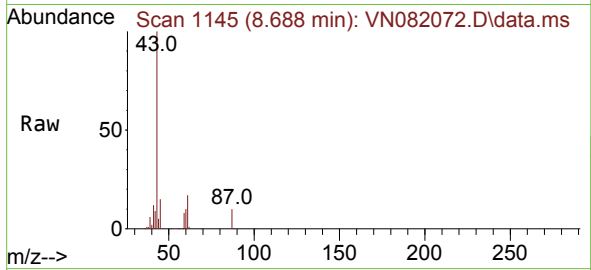
98 0.0 0.0 19.6



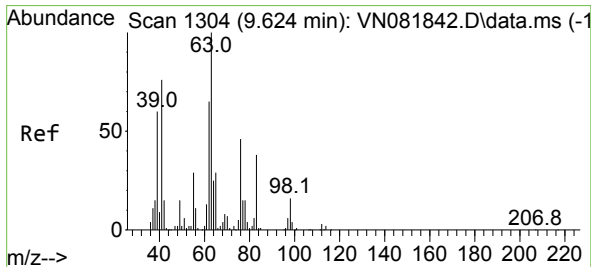
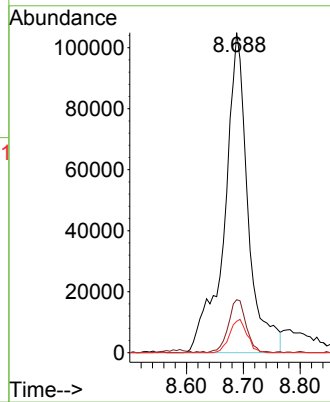
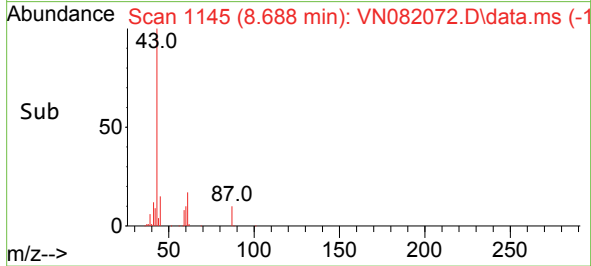


#43
Isopropyl Acetate
Concen: 57.003 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

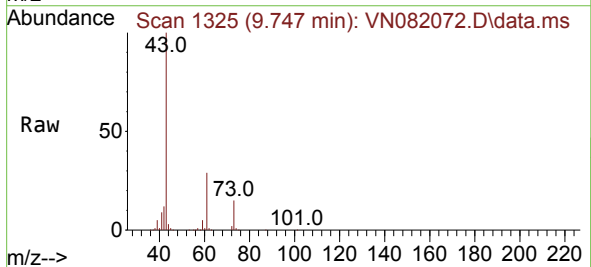
Instrument :
MSVOA_N
ClientSampleId :



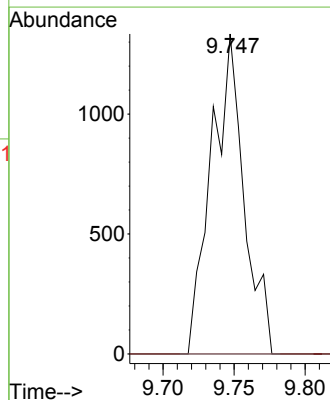
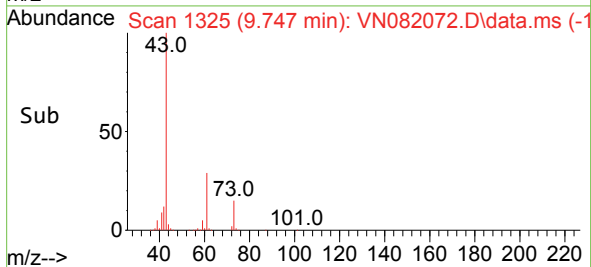
Tgt Ion: 43 Resp: 301288
Ion Ratio Lower Upper
43 100
61 12.6 22.8 34.2#
87 7.7 12.0 18.0#

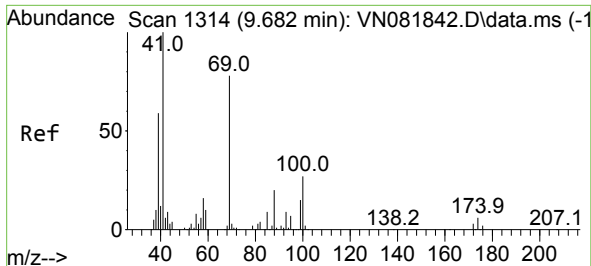


#45
1,2-Dichloropropane
Concen: 1.047 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10



Tgt Ion: 63 Resp: 2139
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#





#48

Methyl methacrylate

Concen: 59.035 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.059 min

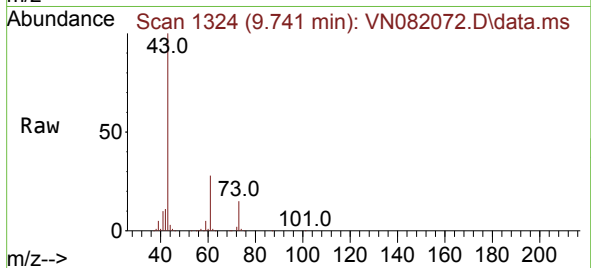
Lab File: VN082072.D

Acq: 10 May 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :



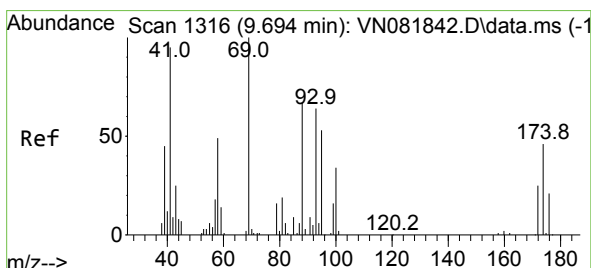
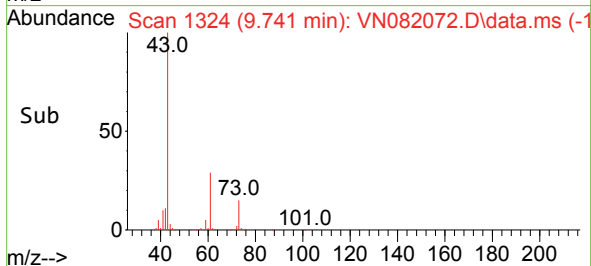
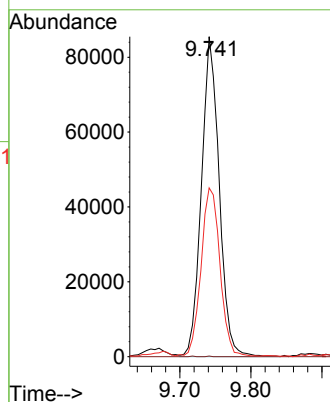
Tgt Ion: 41 Resp: 148957

Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 55.9 50.9 76.3



#49

1,4-Dioxane

Concen: 2.347 ug/l

RT: 9.724 min Scan# 1321

Delta R.T. 0.029 min

Lab File: VN082072.D

Acq: 10 May 2024 16:10

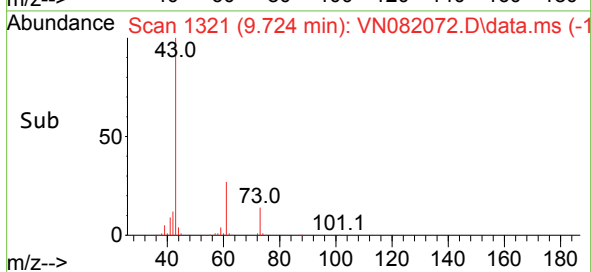
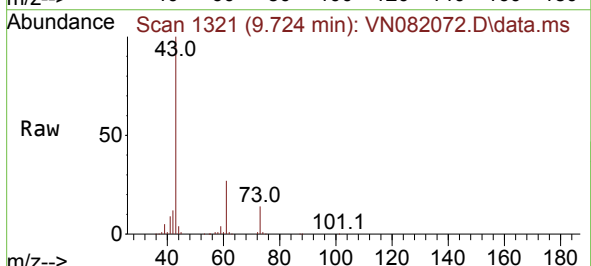
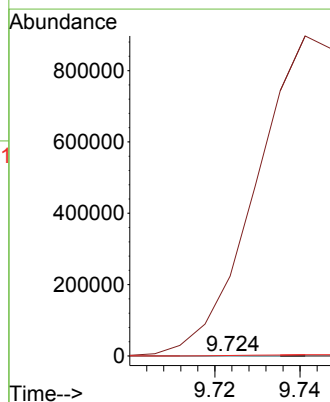
Tgt Ion: 88 Resp: 90

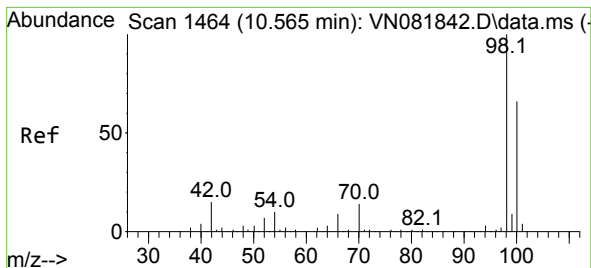
Ion Ratio Lower Upper

88 100

43 1827384.4 19.0 28.6#

58 7401.1 50.6 76.0#





#50

Toluene-d8

Concen: 54.375 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN082072.D

Acq: 10 May 2024 16:10

Instrument :

MSVOA_N

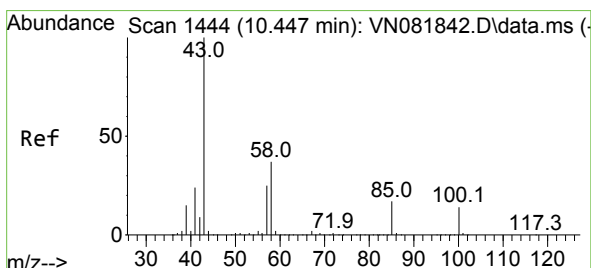
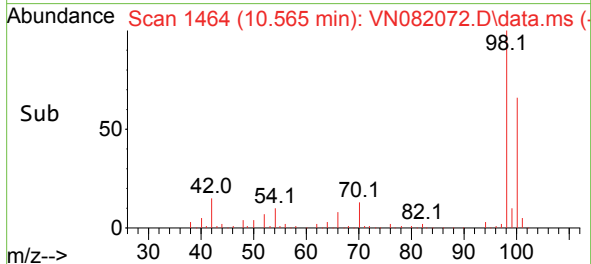
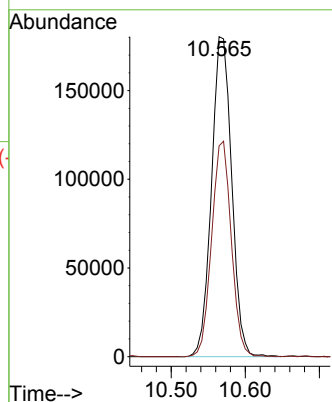
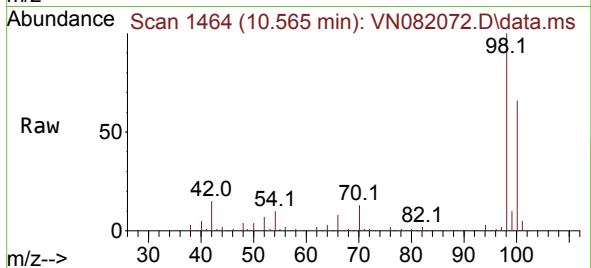
ClientSampleId :

Tgt Ion: 98 Resp: 341275

Ion Ratio Lower Upper

98 100

100 65.5 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 46.810 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. -0.088 min

Lab File: VN082072.D

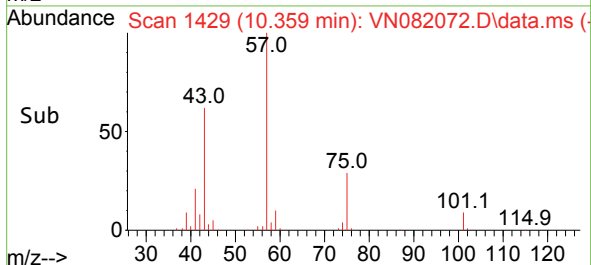
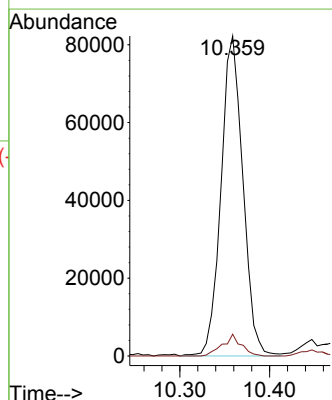
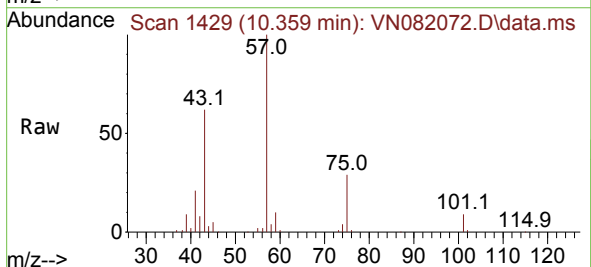
Acq: 10 May 2024 16:10

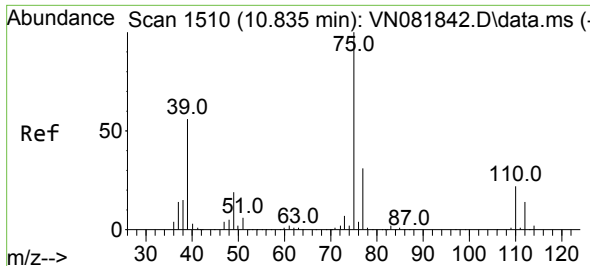
Tgt Ion: 43 Resp: 139280

Ion Ratio Lower Upper

43 100

58 5.8 33.2 49.8#

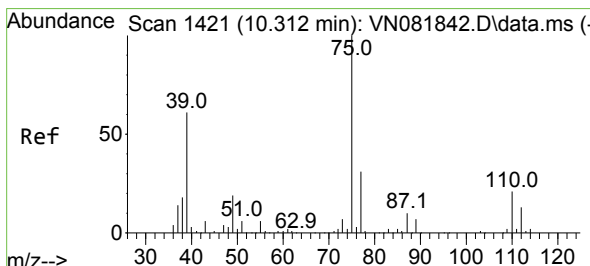
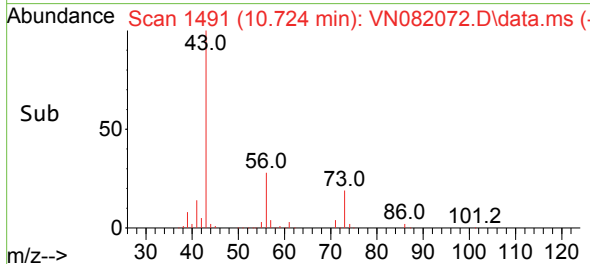
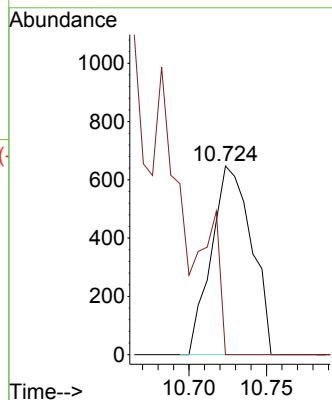
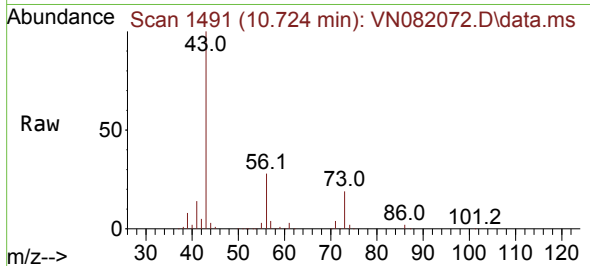




#53
 t-1,3-Dichloropropene
 Concen: 0.361 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082072.D
 Acq: 10 May 2024 16:10

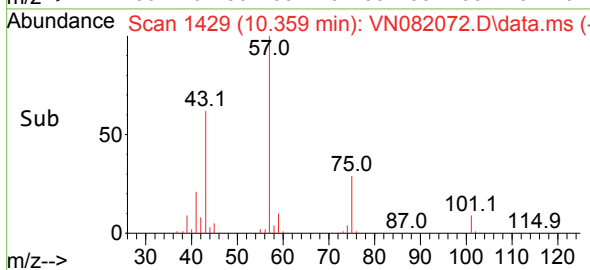
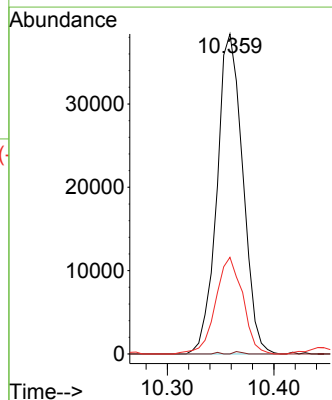
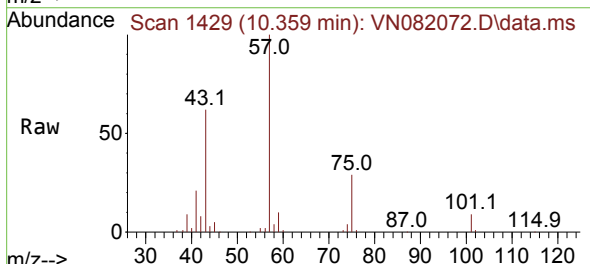
Instrument :
 MSVOA_N
 ClientSampleId :

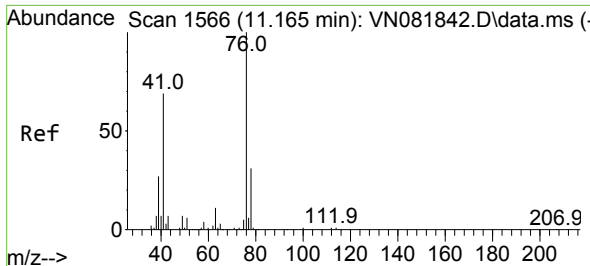
Tgt Ion: 75 Resp: 1168
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 19.362 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082072.D
 Acq: 10 May 2024 16:10

Tgt Ion: 75 Resp: 64647
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 30.2 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 2.620 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.035 min

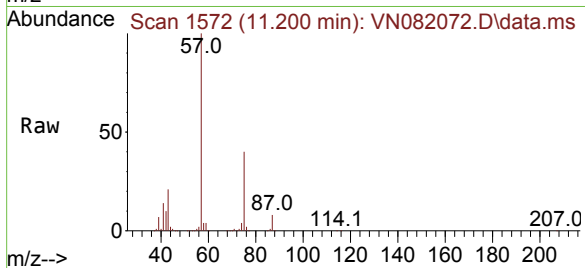
Lab File: VN082072.D

Acq: 10 May 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :

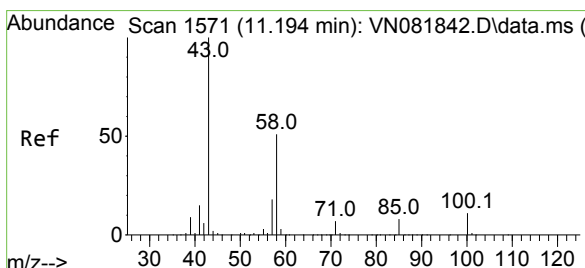
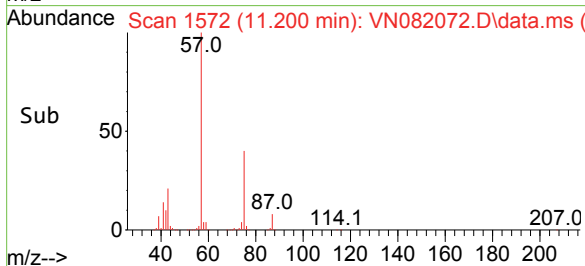
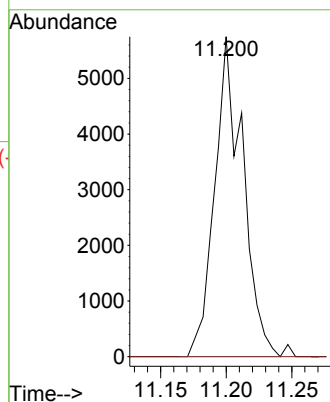


Tgt Ion: 76 Resp: 8561

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 70.424 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082072.D

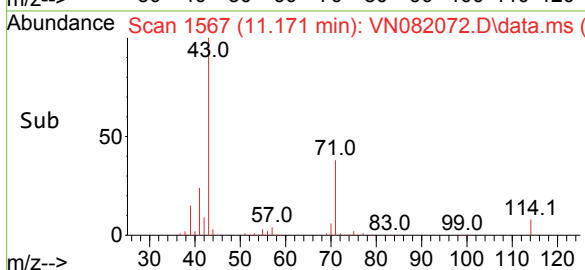
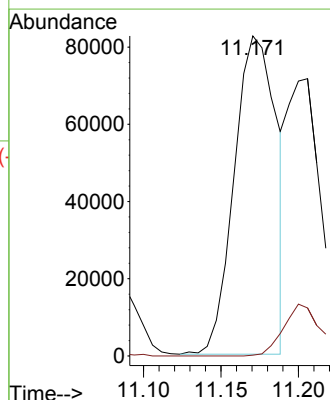
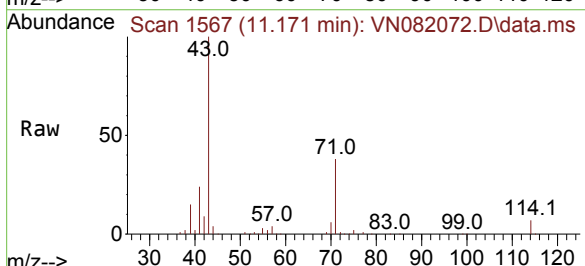
Acq: 10 May 2024 16:10

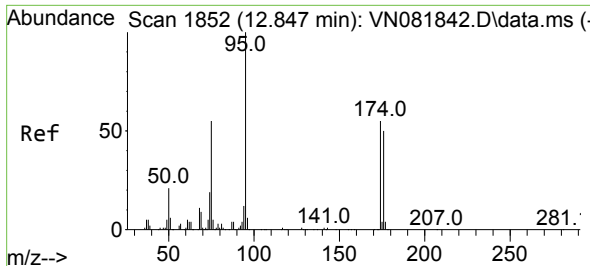
Tgt Ion: 43 Resp: 155941

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

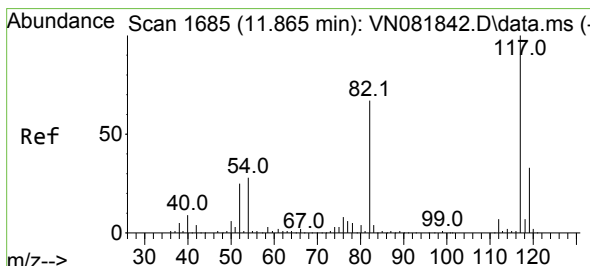
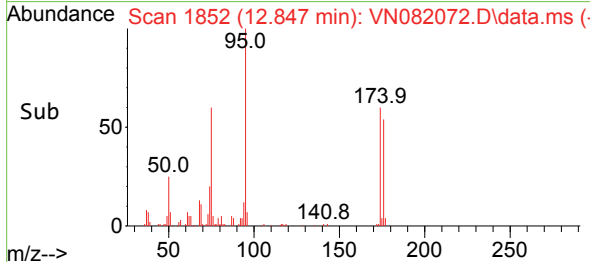
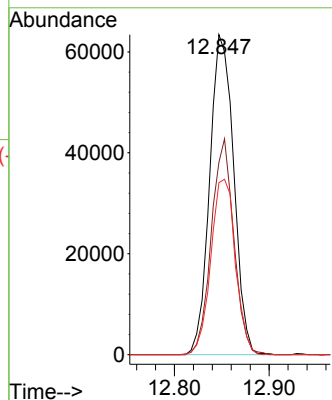
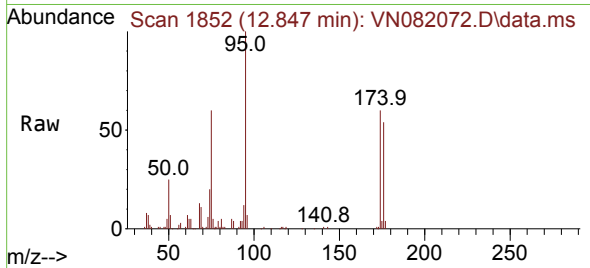




#62
4-Bromofluorobenzene
Concen: 44.986 ug/l
RT: 12.847 min Scan# 1116
Delta R.T. 0.000 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

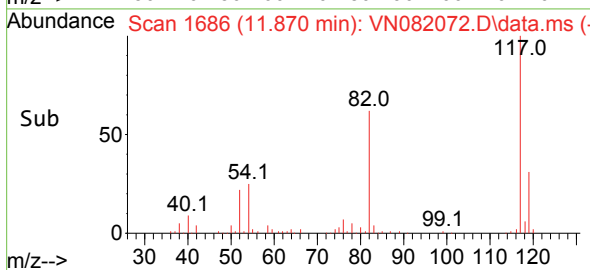
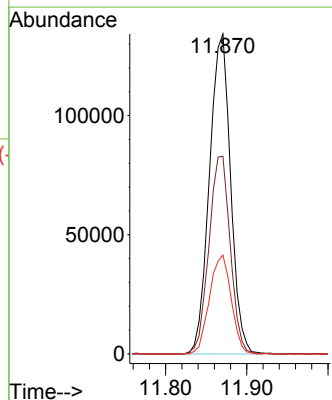
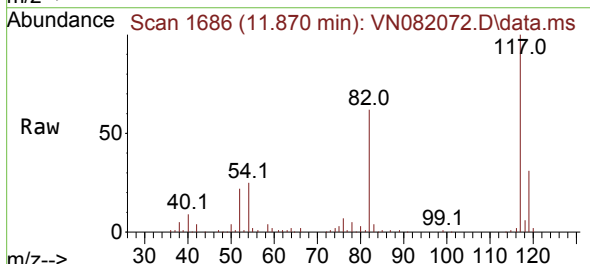
Instrument :
MSVOA_N
ClientSampleId :

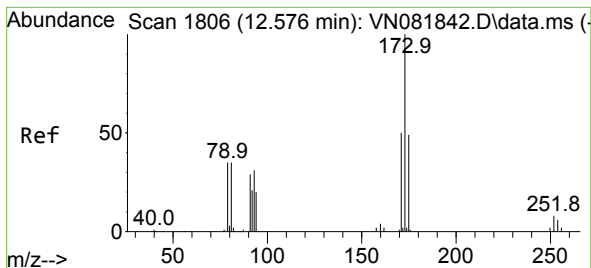
Tgt Ion: 95 Resp: 111613
Ion Ratio Lower Upper
95 100
174 63.1 0.0 160.6
176 56.0 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

Tgt Ion: 117 Resp: 243202
Ion Ratio Lower Upper
117 100
82 61.7 44.6 66.8
119 30.9 25.9 38.9





#71

Bromoform

Concen: 0.548 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

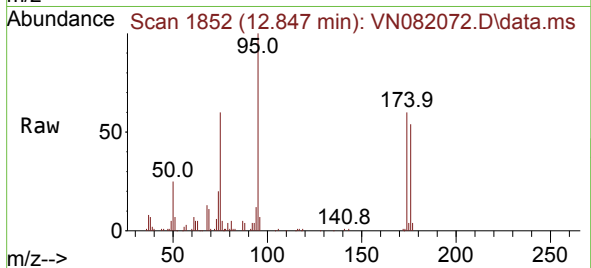
Lab File: VN082072.D

Acq: 10 May 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :



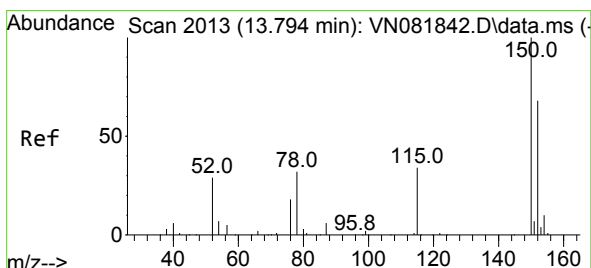
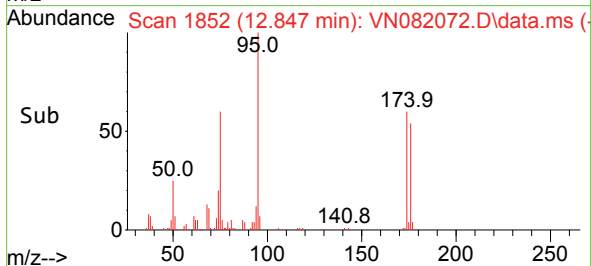
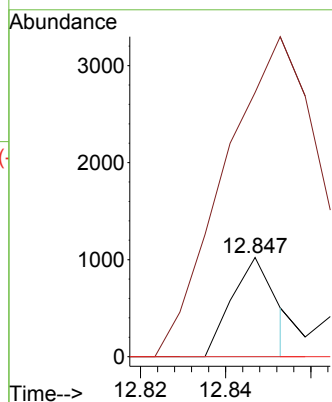
Tgt Ion:173 Resp: 743

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# 2013

Delta R.T. 0.000 min

Lab File: VN082072.D

Acq: 10 May 2024 16:10

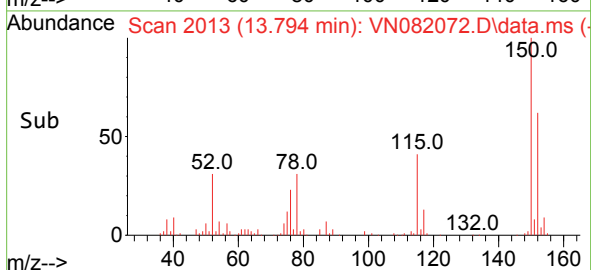
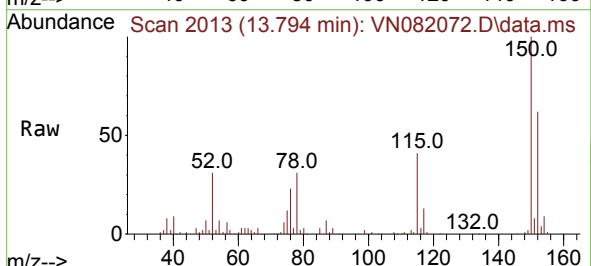
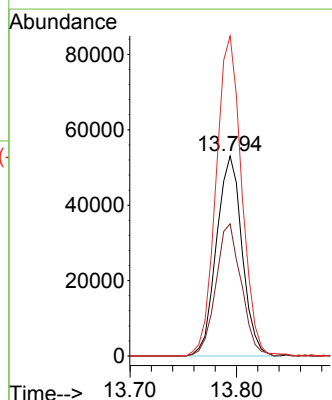
Tgt Ion:152 Resp: 88387

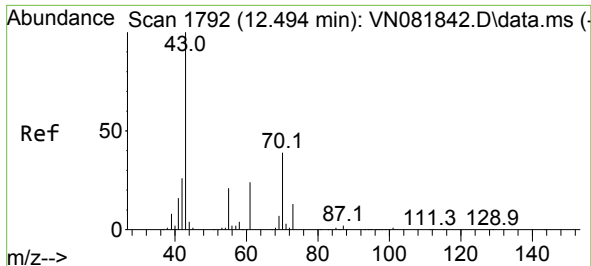
Ion Ratio Lower Upper

152 100

115 65.9 30.4 91.3

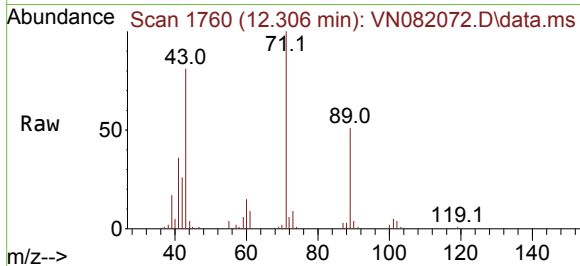
150 160.1 0.0 353.2



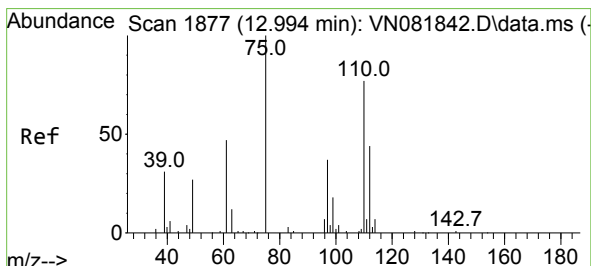
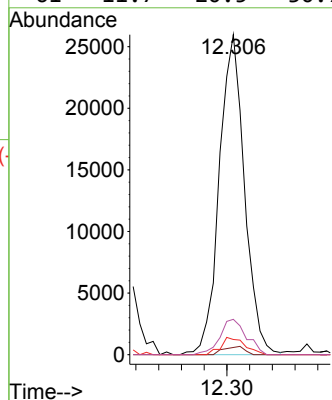
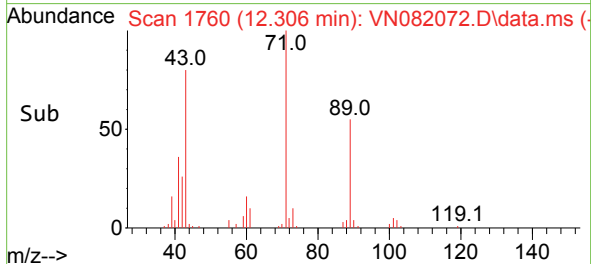


#74
N-amy1 acetate
Concen: 9.161 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

Instrument :
MSVOA_N
ClientSampleId :

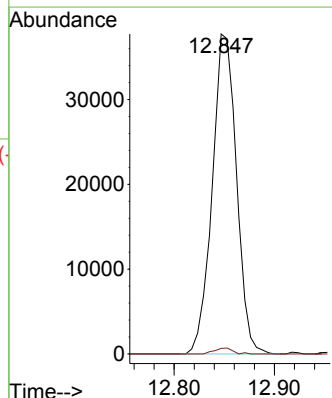
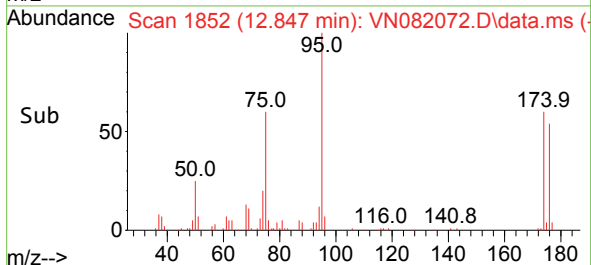
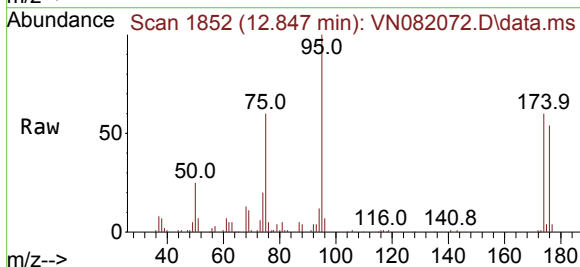


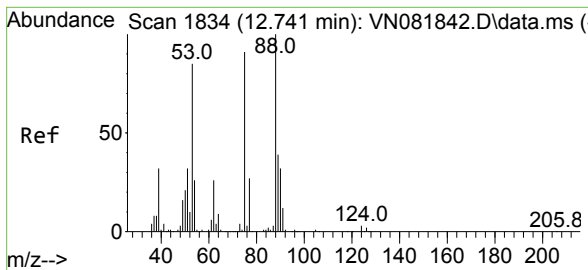
Tgt Ion: 43 Resp: 40083
Ion Ratio Lower Upper
43 100
70 2.1 39.0 58.4#
55 5.2 21.3 31.9#
61 11.7 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 27.681 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082072.D
Acq: 10 May 2024 16:10

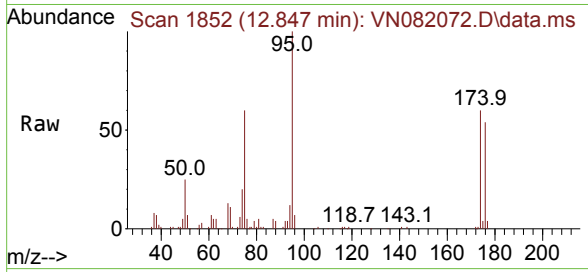
Tgt Ion: 75 Resp: 63436
Ion Ratio Lower Upper
75 100
77 1.4 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.722 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN082072.D
 Acq: 10 May 2024 16:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.9	109.3#
89	0.1	39.1	58.7#

