

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082302.D
 Acq On : 22 May 2024 19:04
 Operator : JC\MD
 Sample : PB161037ZHE#15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:56:49 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

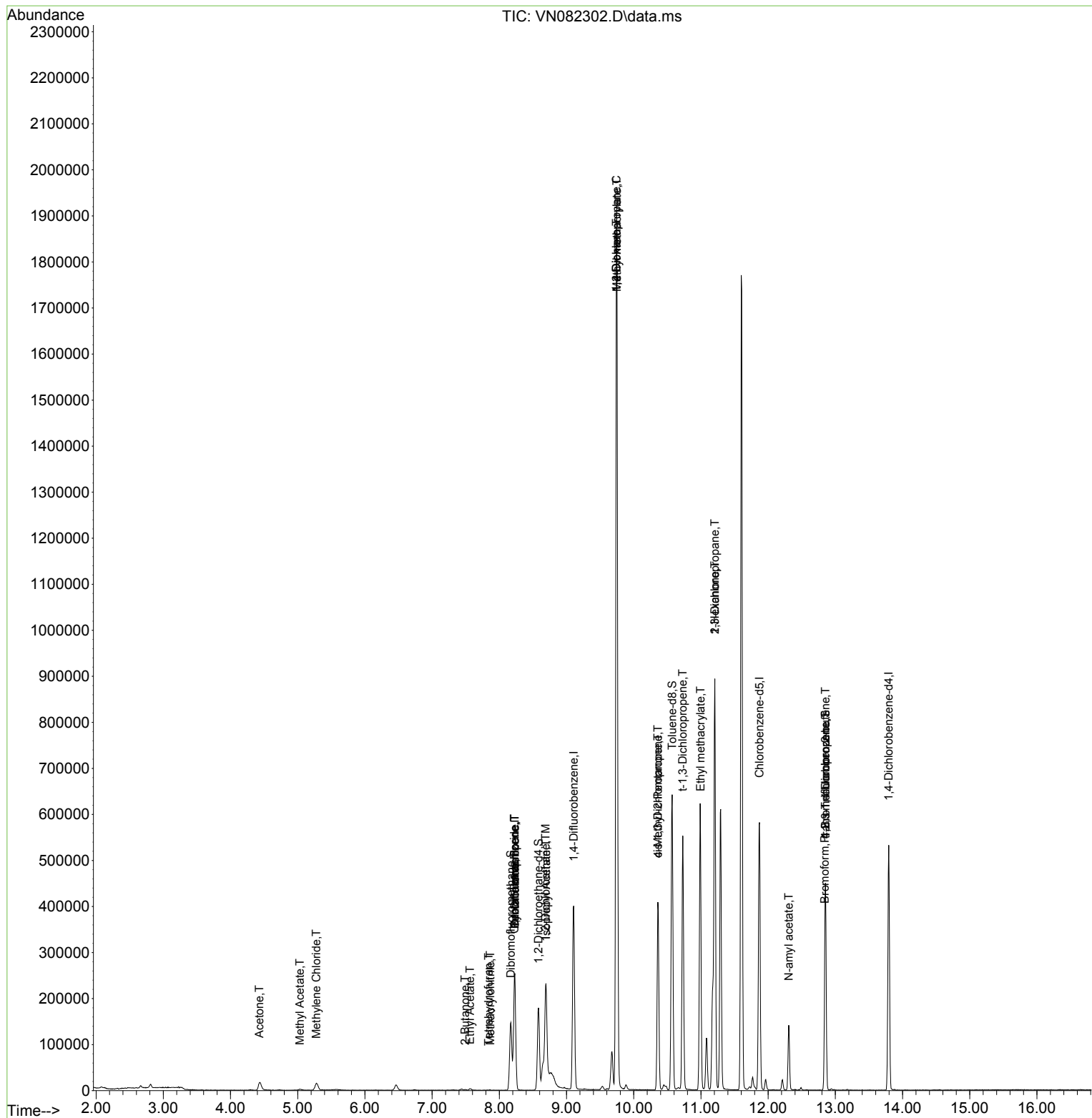
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	176291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	319647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	311791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	147523	52.996	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.000%			
35) Dibromofluoromethane	8.171	113	104137	52.960	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.920%			
50) Toluene-d8	10.571	98	415845	55.161	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.320%			
62) 4-Bromofluorobenzene	12.853	95	147324	54.752	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.500%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	37083	32.474	ug/l #	84
18) Methyl Acetate	5.030	43	4777	1.680	ug/l #	57
20) Methylene Chloride	5.277	84	10545	4.577	ug/l #	74
25) 2-Butanone	7.489	43	2664	1.539	ug/l #	74
29) Tetrahydrofuran	7.841	42	258	0.232	ug/l #	29
31) Cyclohexane	8.230	56	5371	1.208	ug/l #	45
36) 1,1-Dichloropropene	8.230	75	16616	5.038	ug/l #	47
37) Ethyl Acetate	7.565	43	5925	1.605	ug/l #	84
38) Carbon Tetrachloride	8.224	117	19314	5.777	ug/l #	16
41) Methacrylonitrile	7.865	41	441	0.203	ug/l #	19
42) 1,2-Dichloroethane	8.688	62	1419	0.375	ug/l #	73
43) Isopropyl Acetate	8.694	43	339636	51.935	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	2195	0.865	ug/l #	45
48) Methyl methacrylate	9.747	41	192636	61.819	ug/l #	37
49) 1,4-Dioxane	9.741	88	142	3.252	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	169097	45.510	ug/l #	43
53) t-1,3-Dichloropropene	10.730	75	1220	0.335	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	65232	16.944	ug/l #	76
56) Ethyl methacrylate	10.994	69	1497	0.411	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8626	2.151	ug/l #	42
59) 2-Hexanone	11.206	43	115119	42.314	ug/l #	51
71) Bromoform	12.841	173	317	0.874	ug/l #	1
74) N-amyl acetate	12.306	43	47082	8.147	ug/l #	47
76) 1,2,3-Trichloropropane	12.853	75	85198	30.610	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	85198	71.596	ug/l #	12

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

Instrument :
MSVOA_N
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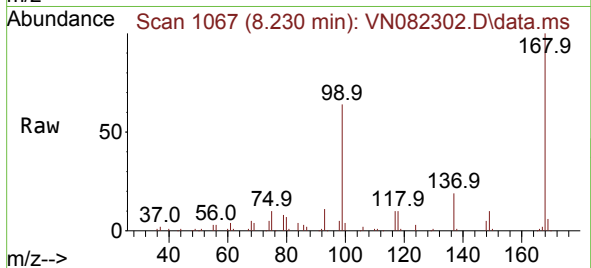
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MSVOA_N
ClientSampleId :



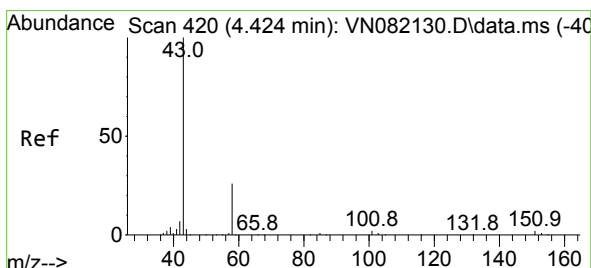
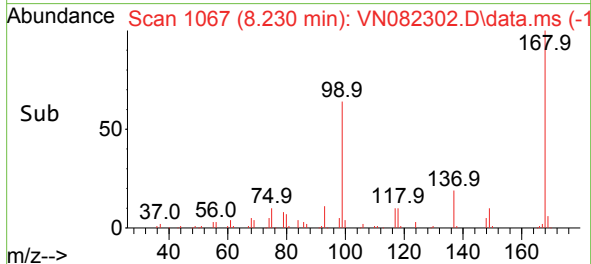
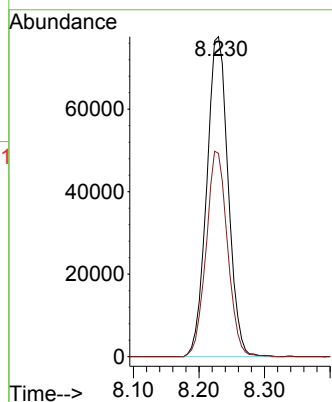


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

Instrument :
MSVOA_N
ClientSampleId :

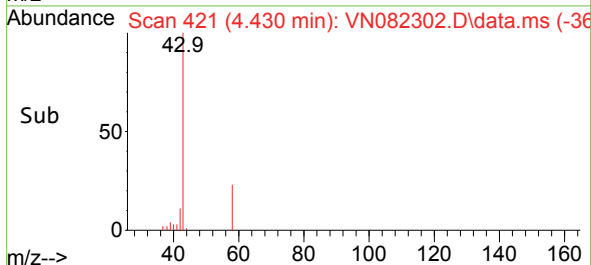
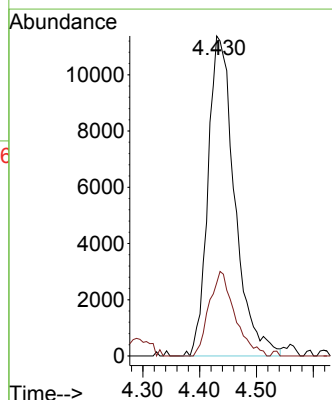
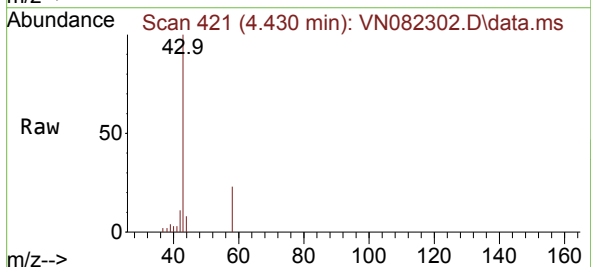


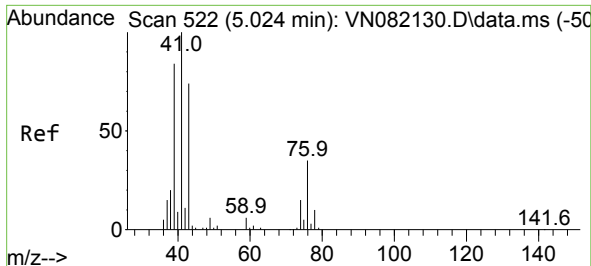
Tgt Ion:168 Resp: 176291
Ion Ratio Lower Upper
168 100
99 63.5 48.2 72.4



#16
Acetone
Concen: 32.474 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

Tgt Ion: 43 Resp: 37083
Ion Ratio Lower Upper
43 100
58 22.8 25.2 37.8#

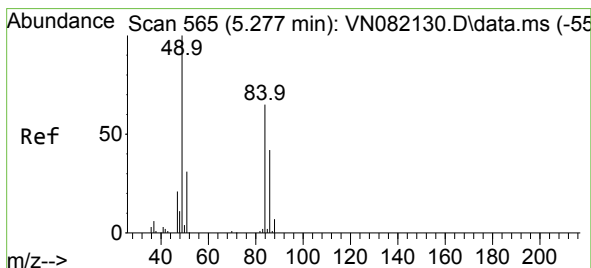
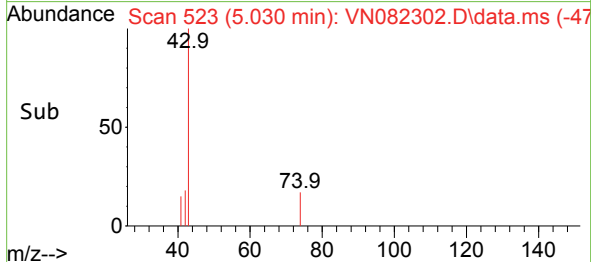
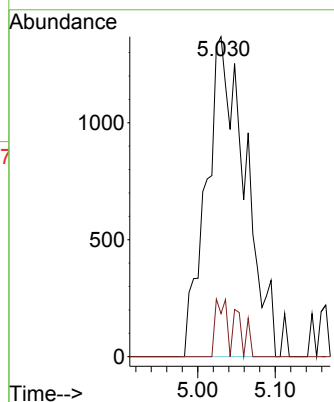
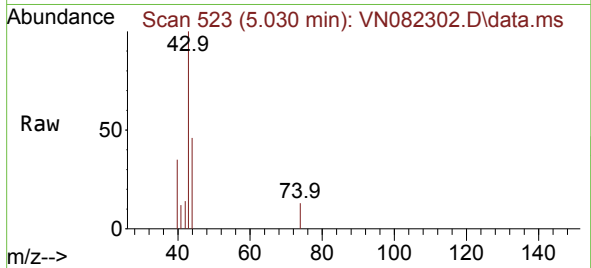




#18
Methyl Acetate
Concen: 1.680 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

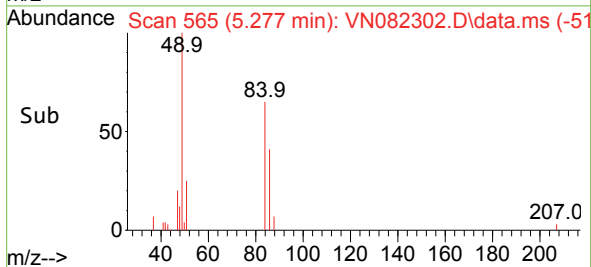
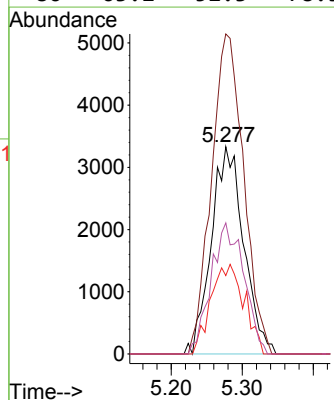
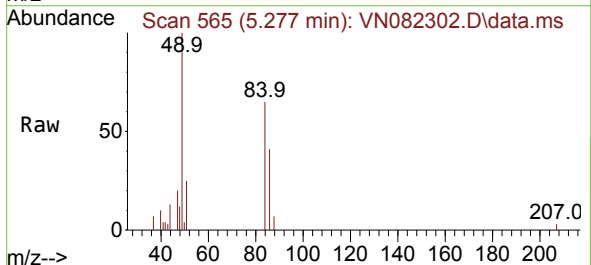
Instrument :
MSVOA_N
ClientSampleId :

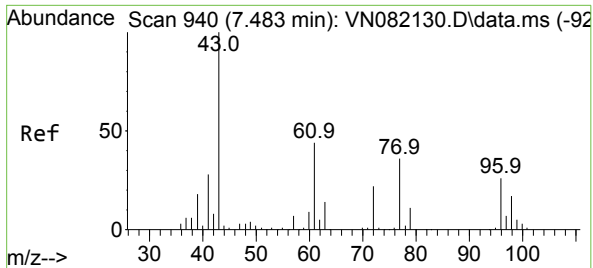
Tgt Ion: 43 Resp: 4777
Ion Ratio Lower Upper
43 100
74 5.0 22.2 33.2#



#20
Methylene Chloride
Concen: 4.577 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

Tgt Ion: 84 Resp: 10545
Ion Ratio Lower Upper
84 100
49 154.4 84.9 127.3#
51 37.9 27.0 40.6
86 63.2 52.3 78.5

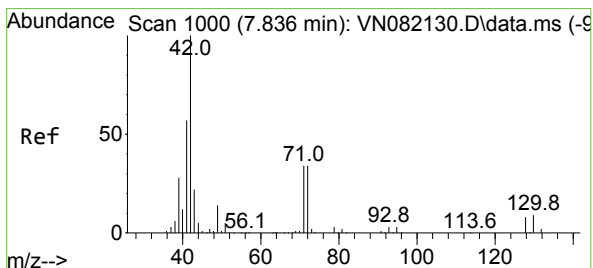
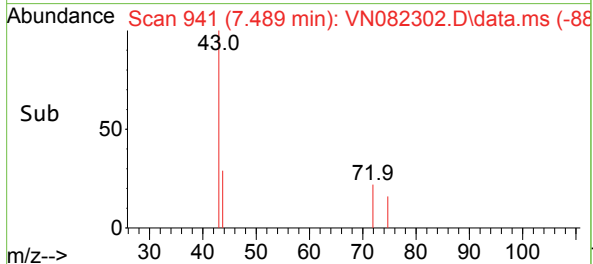
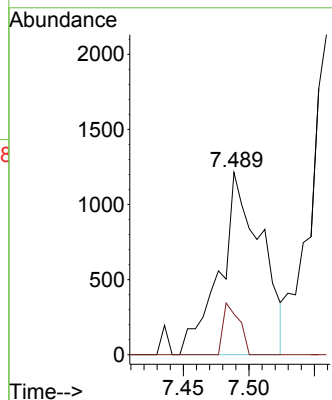
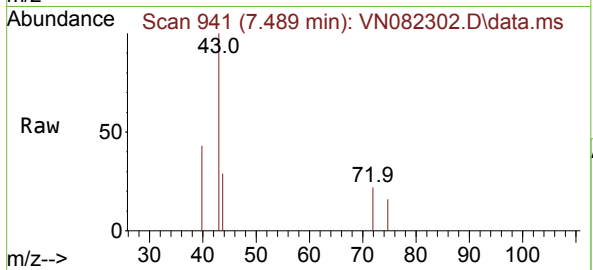




#25
2-Butanone
Concen: 1.539 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

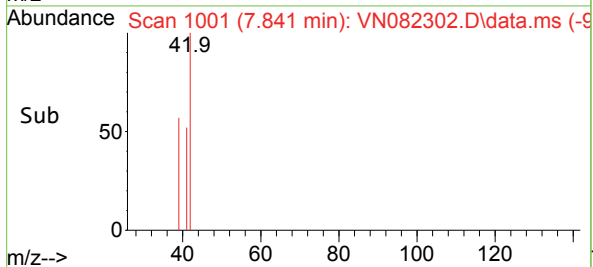
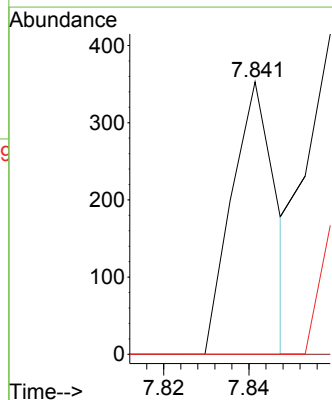
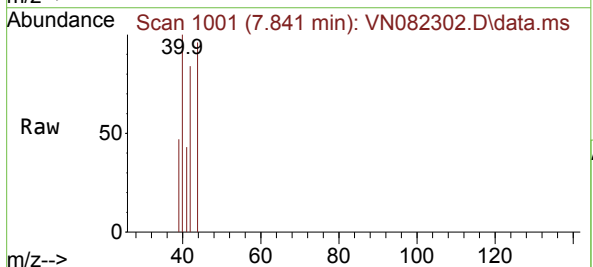
Instrument :
MSVOA_N
ClientSampleId :

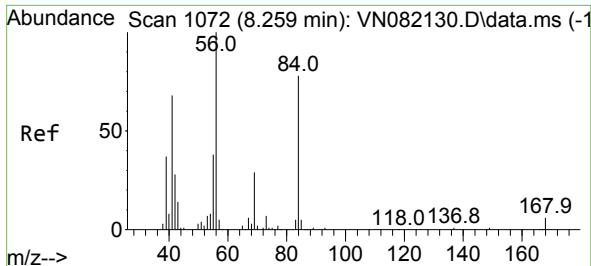
Tgt Ion: 43 Resp: 2664
Ion Ratio Lower Upper
43 100
72 17.4 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.232 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.005 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

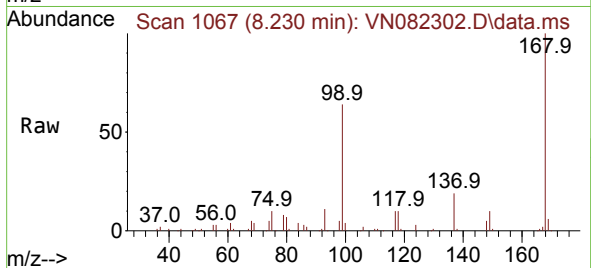
Tgt Ion: 42 Resp: 258
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



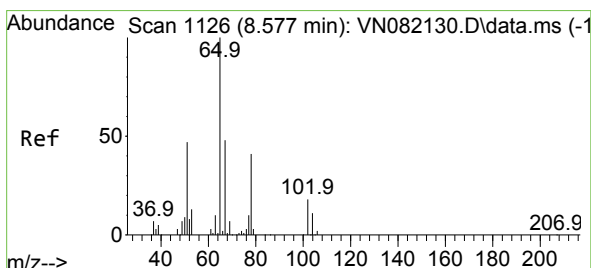
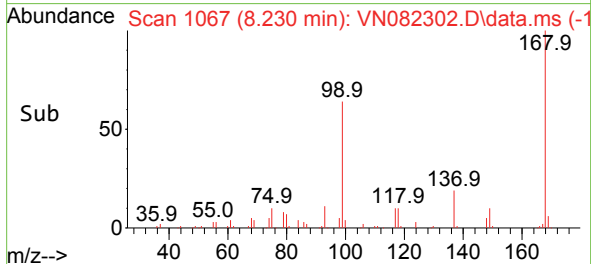
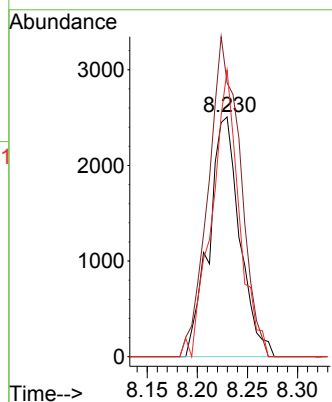


#31
Cyclohexane
Concen: 1.208 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

Instrument :
MSVOA_N
ClientSampleId :

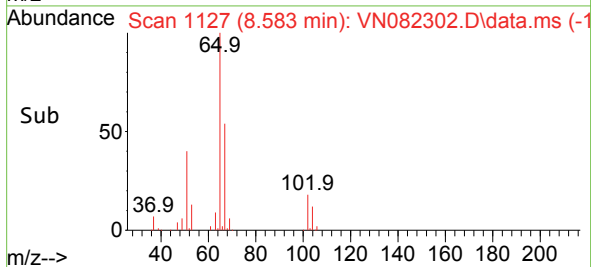
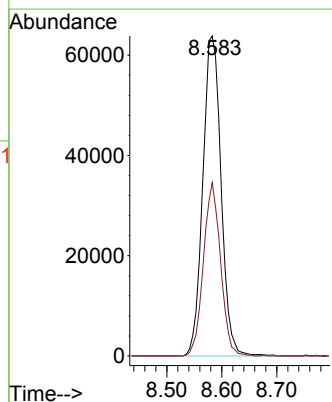
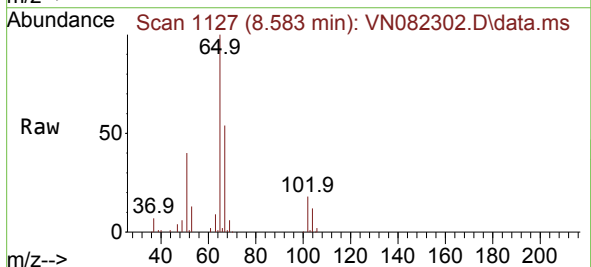


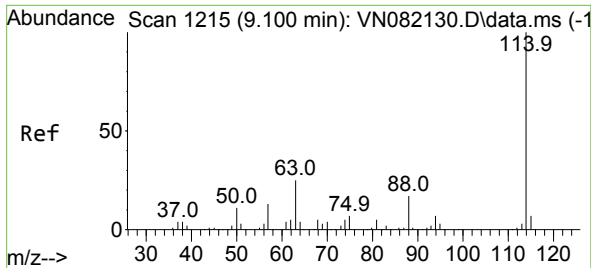
Tgt Ion: 56 Resp: 5371
Ion Ratio Lower Upper
56 100
69 114.2 24.4 36.6#
84 119.6 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 52.996 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

Tgt Ion: 65 Resp: 147523
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082302.D

Acq: 22 May 2024 19:04

Instrument :

MSVOA_N

ClientSampleId :

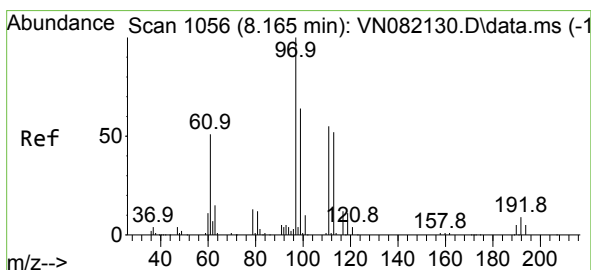
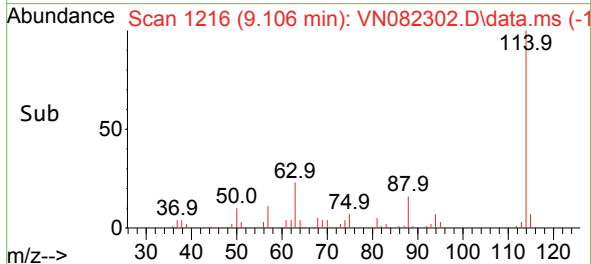
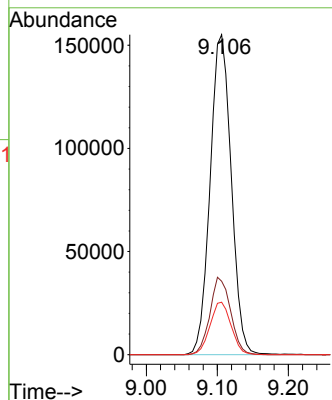
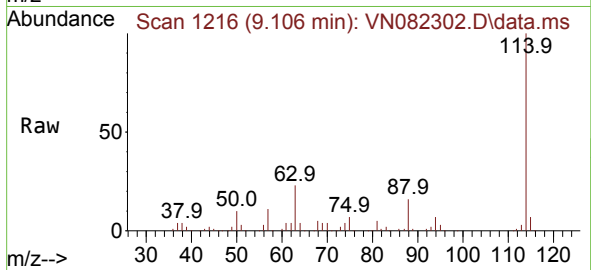
Tgt Ion:114 Resp: 319647

Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.0

88 16.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.960 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082302.D

Acq: 22 May 2024 19:04

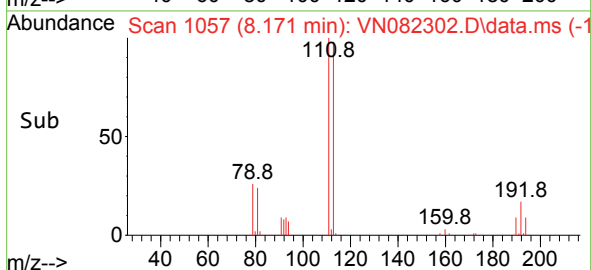
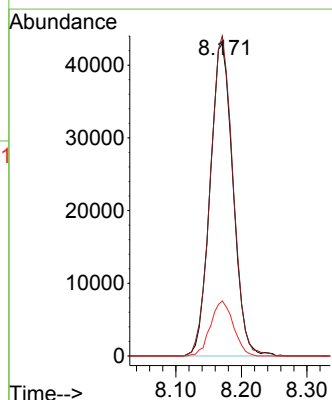
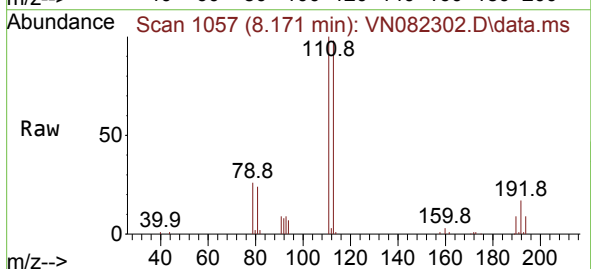
Tgt Ion:113 Resp: 104137

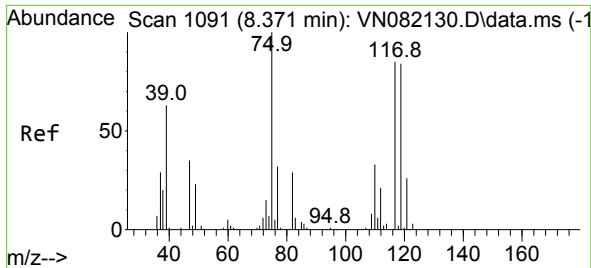
Ion Ratio Lower Upper

113 100

111 101.5 83.4 125.2

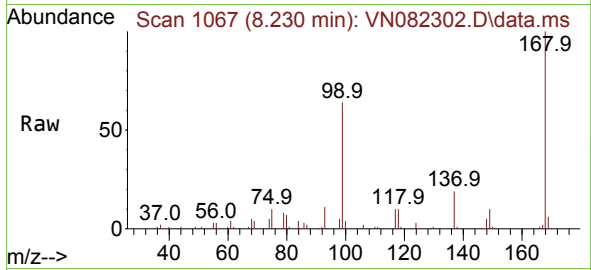
192 17.6 14.0 21.0



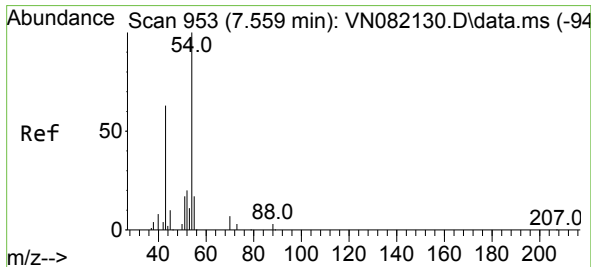
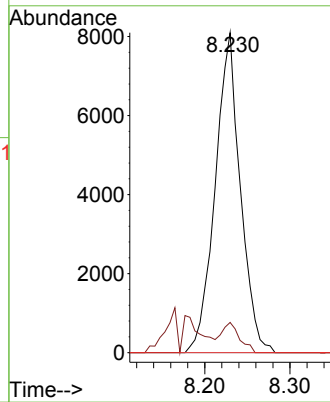
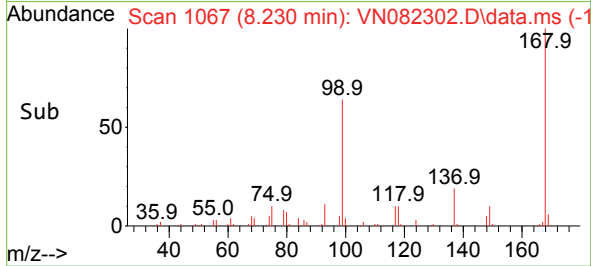


#36
1,1-Dichloropropene
Concen: 5.038 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

Instrument :
MSVOA_N
ClientSampleId :

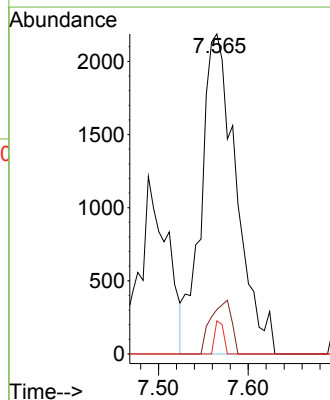
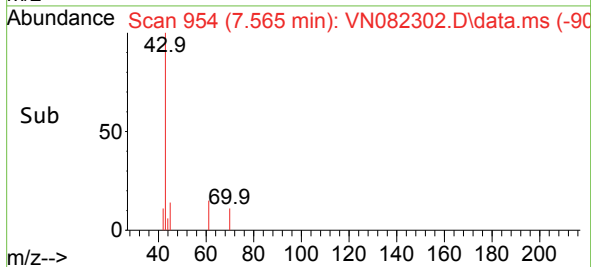
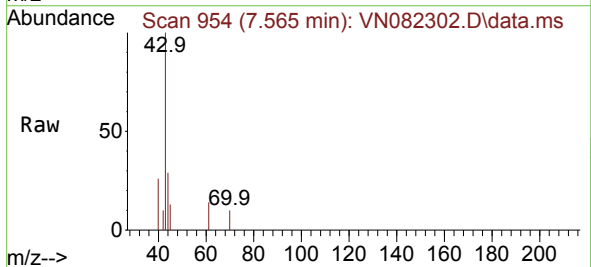


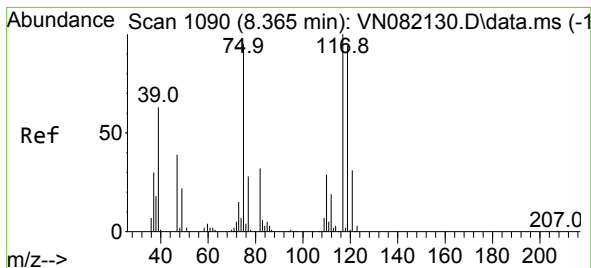
Tgt Ion: 75 Resp: 16616
Ion Ratio Lower Upper
75 100
110 6.8 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.605 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

Tgt Ion: 43 Resp: 5925
Ion Ratio Lower Upper
43 100
61 9.8 11.3 16.9#
70 2.5 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.777 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

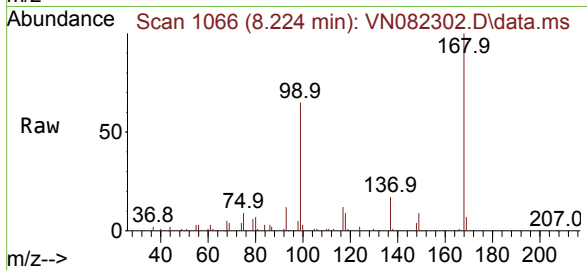
Lab File: VN082302.D

Acq: 22 May 2024 19:04

Instrument :

MSVOA_N

ClientSampleId :



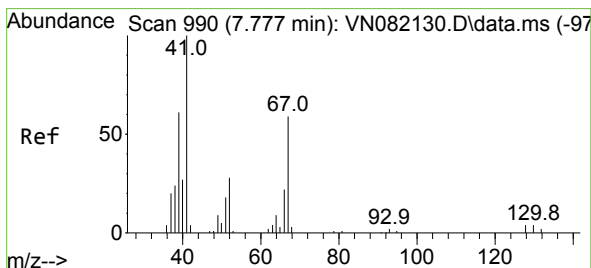
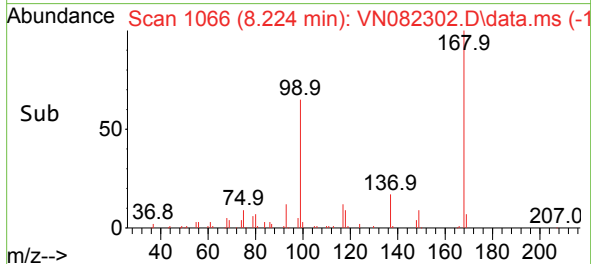
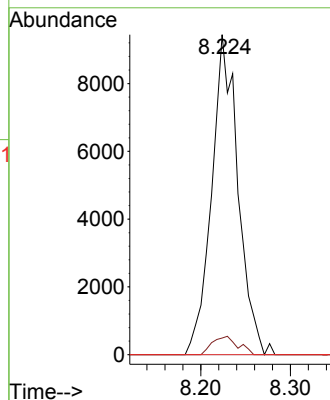
Tgt Ion:117 Resp: 19314

Ion Ratio Lower Upper

117 100

119 5.2 76.5 114.7#

121 0.0 23.9 35.9#



#41

Methacrylonitrile

Concen: 0.203 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.088 min

Lab File: VN082302.D

Acq: 22 May 2024 19:04

Tgt Ion: 41 Resp: 441

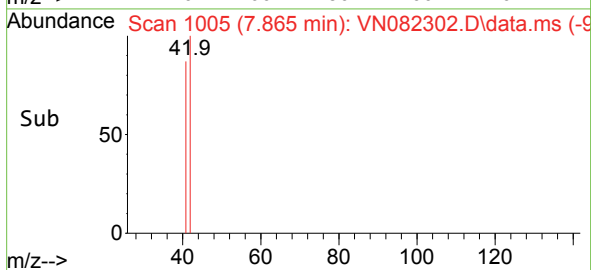
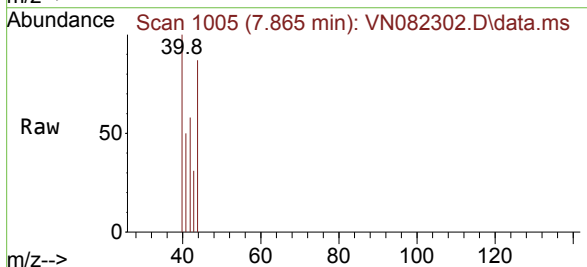
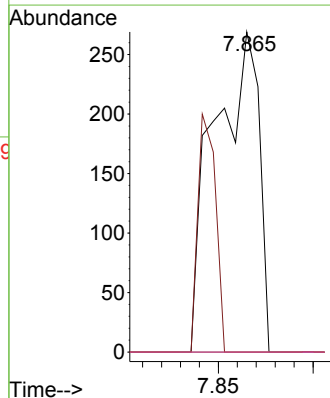
Ion Ratio Lower Upper

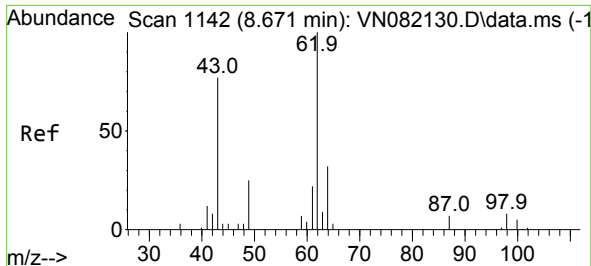
41 100

39 0.0 46.6 69.8#

67 0.0 67.3 100.9#

52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.375 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082302.D

Acq: 22 May 2024 19:04

Instrument :

MSVOA_N

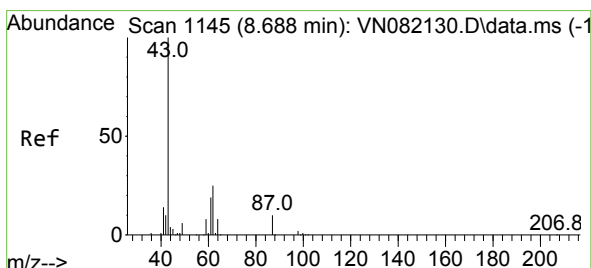
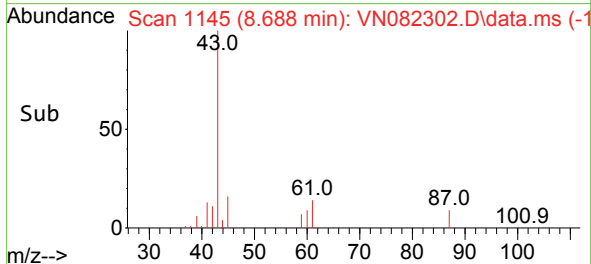
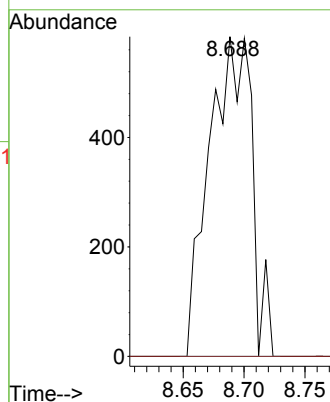
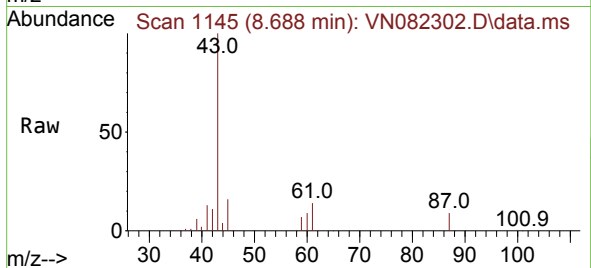
ClientSampleId :

Tgt Ion: 62 Resp: 1419

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 51.935 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082302.D

Acq: 22 May 2024 19:04

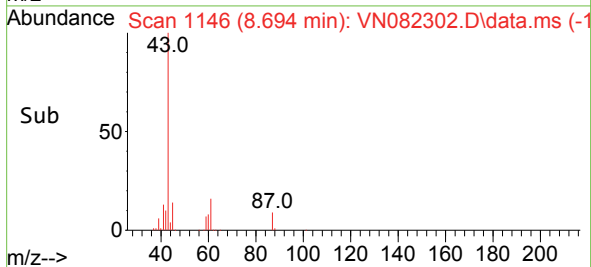
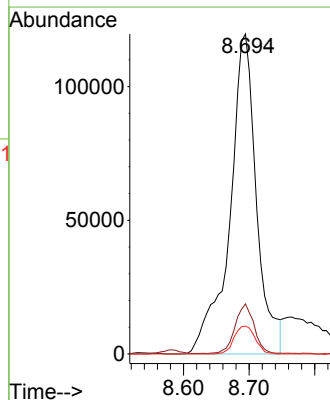
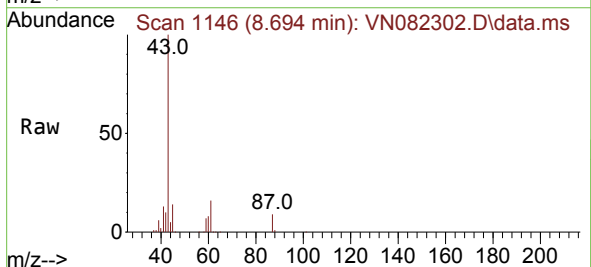
Tgt Ion: 43 Resp: 339636

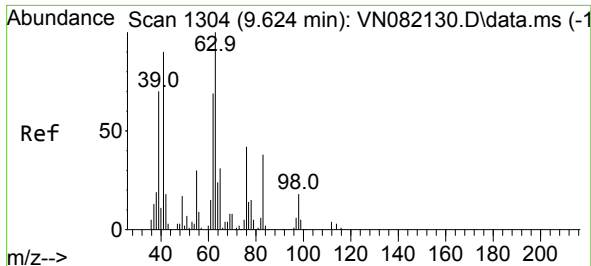
Ion Ratio Lower Upper

43 100

61 11.1 22.8 34.2#

87 6.8 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.865 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082302.D

Acq: 22 May 2024 19:04

Instrument :

MSVOA_N

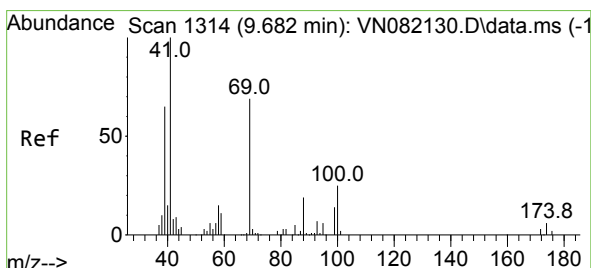
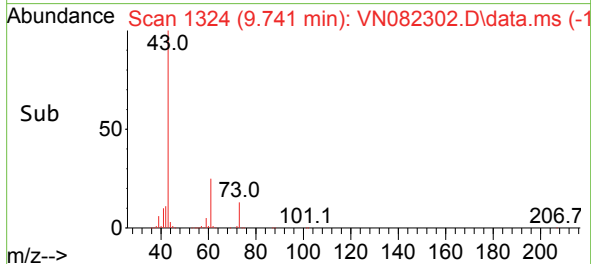
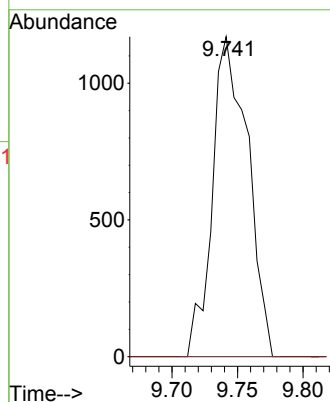
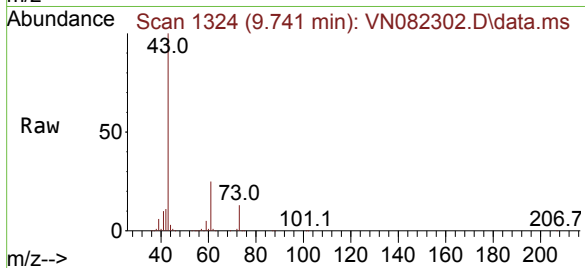
ClientSampleId :

Tgt Ion: 63 Resp: 2195

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 61.819 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN082302.D

Acq: 22 May 2024 19:04

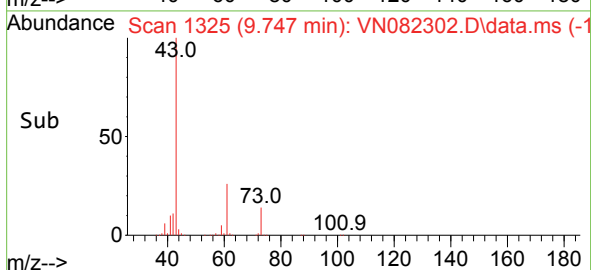
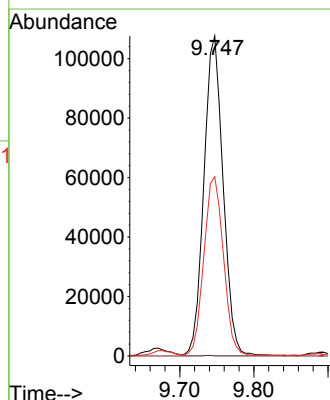
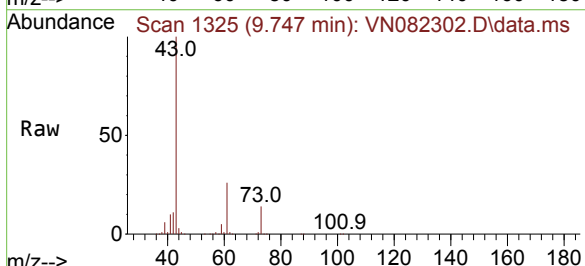
Tgt Ion: 41 Resp: 192636

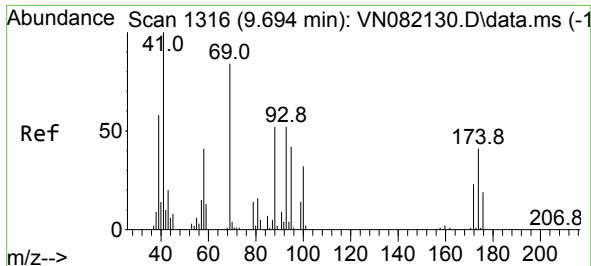
Ion Ratio Lower Upper

41 100

69 0.1 77.9 116.9#

39 57.0 50.9 76.3





#49

1,4-Dioxane

Concen: 3.252 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

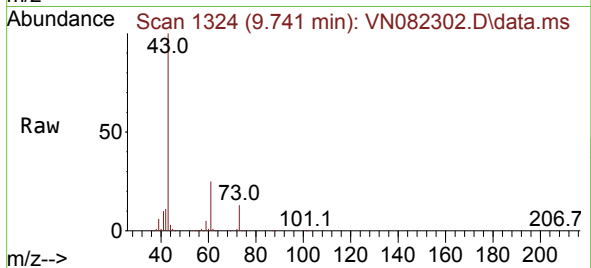
Lab File: VN082302.D

Acq: 22 May 2024 19:04

Instrument :

MSVOA_N

ClientSampleId :



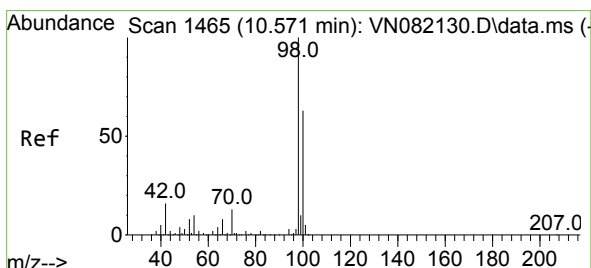
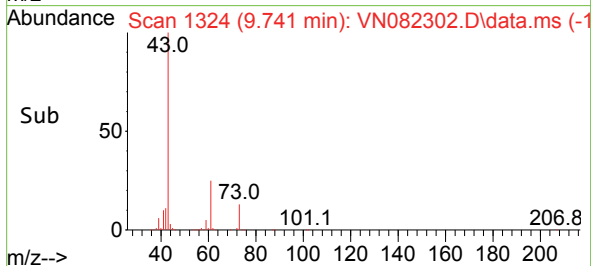
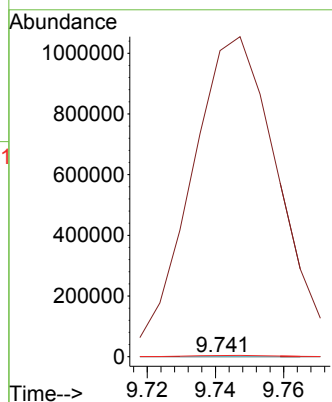
Tgt Ion: 88 Resp: 142

Ion Ratio Lower Upper

88 100

43 1342475.4 19.0 28.6#

58 5357.0 50.6 76.0#



#50

Toluene-d8

Concen: 55.161 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082302.D

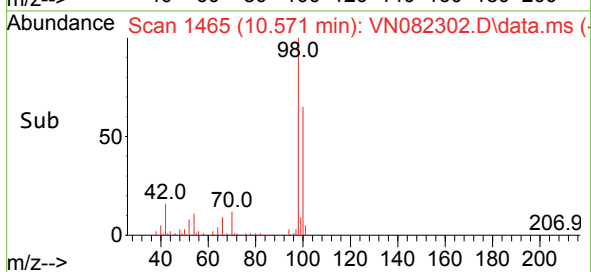
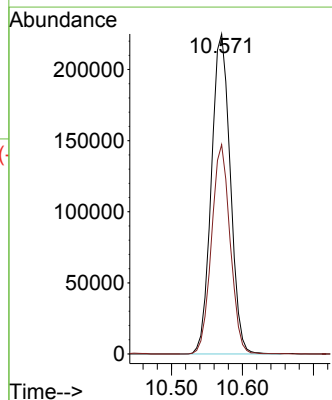
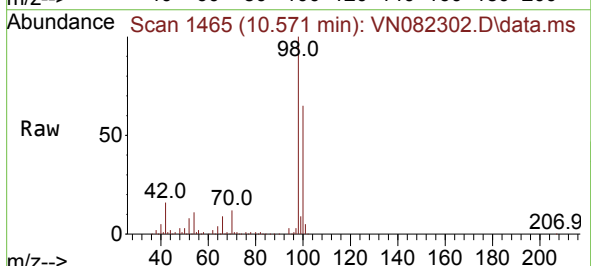
Acq: 22 May 2024 19:04

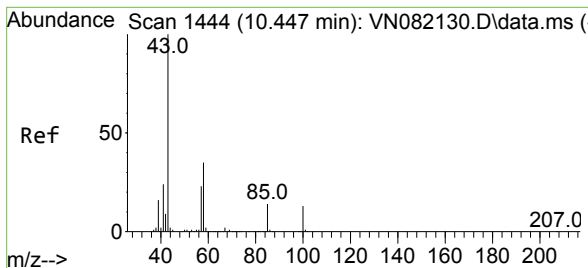
Tgt Ion: 98 Resp: 415845

Ion Ratio Lower Upper

98 100

100 64.3 51.8 77.6

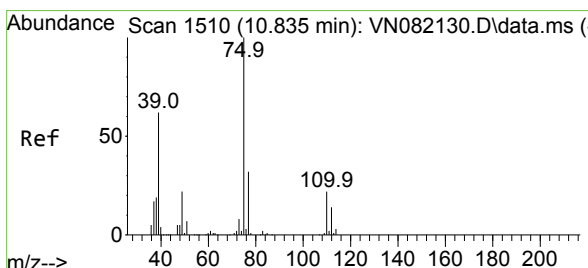
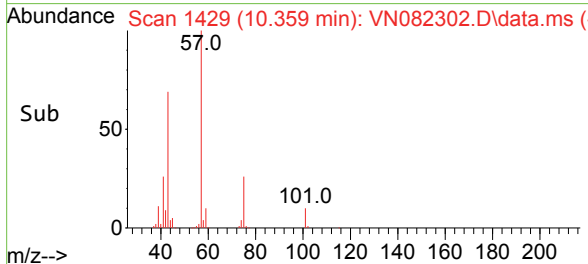
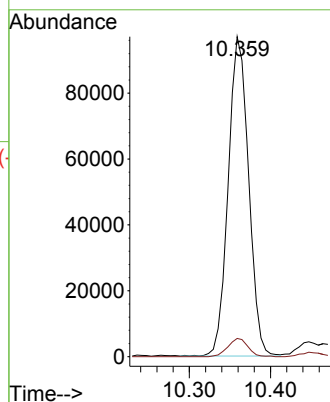
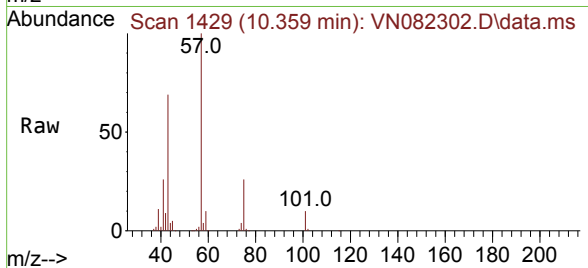




#51
4-Methyl-2-Pentanone
Concen: 45.510 ug/l
RT: 10.359 min Scan# 1444
Delta R.T. -0.088 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

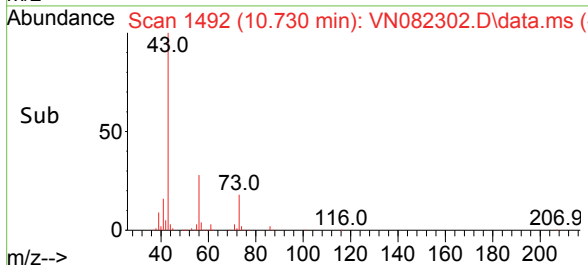
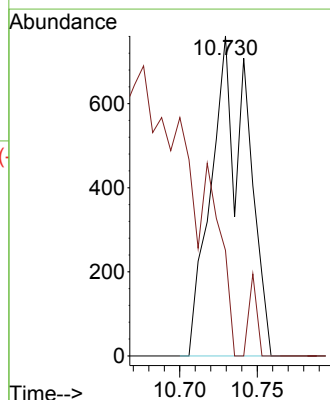
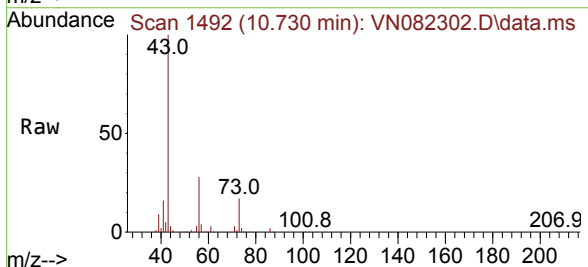
Instrument :
MSVOA_N
ClientSampleId :

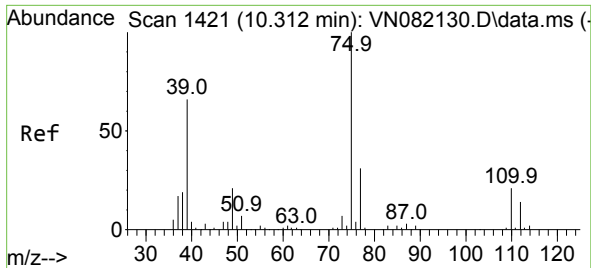
Tgt Ion: 43 Resp: 169097
Ion Ratio Lower Upper
43 100
58 5.6 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.335 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

Tgt Ion: 75 Resp: 1220
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.0

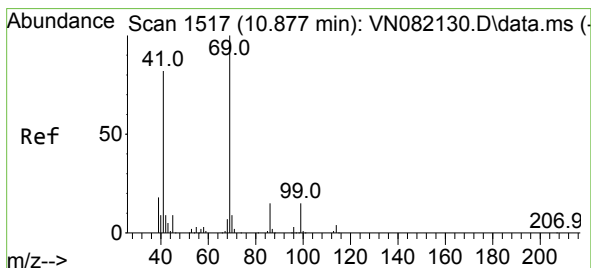
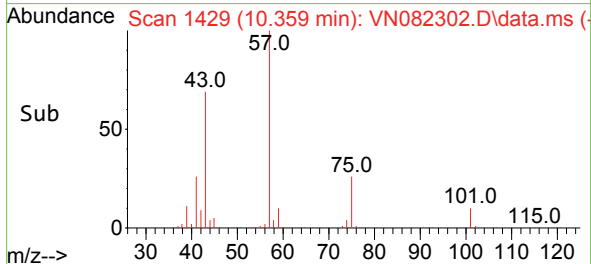
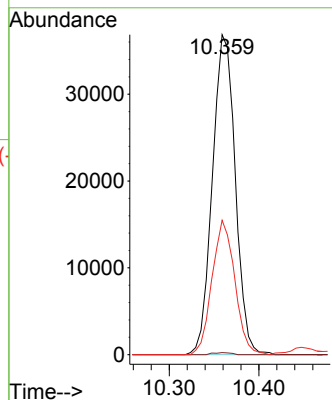
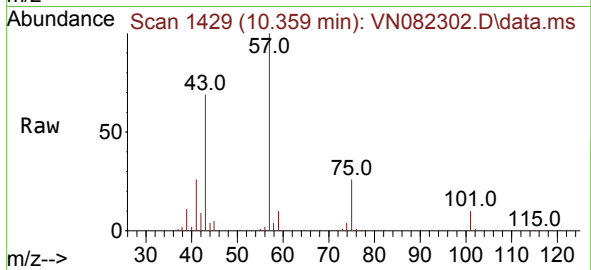




#54
 cis-1,3-Dichloropropene
 Concen: 16.944 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082302.D
 Acq: 22 May 2024 19:04

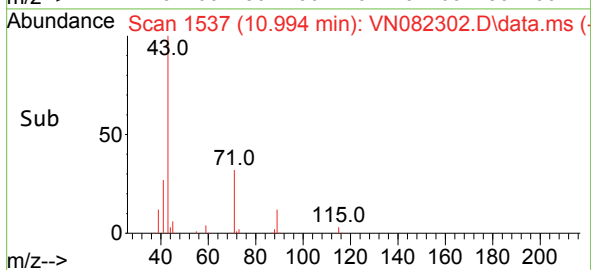
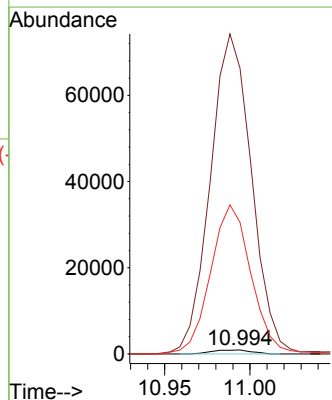
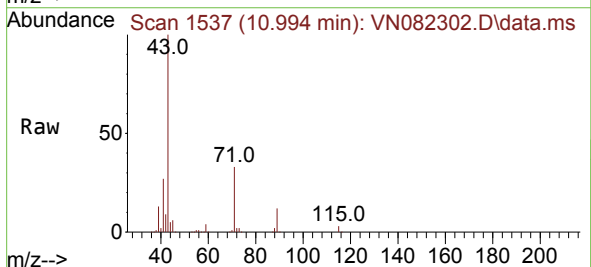
Instrument :
 MSVOA_N
 ClientSampleId :

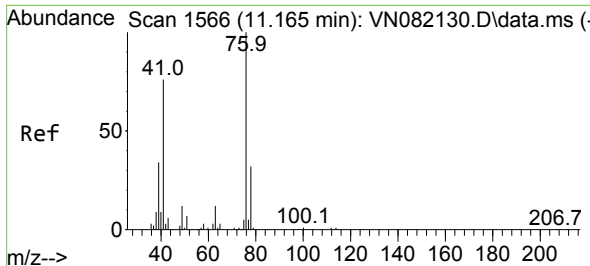
Tgt Ion: 75 Resp: 65232
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 42.0 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.411 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN082302.D
 Acq: 22 May 2024 19:04

Tgt Ion: 69 Resp: 1497
 Ion Ratio Lower Upper
 69 100
 41 8390.9 46.6 70.0#
 39 3824.6 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 2.151 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

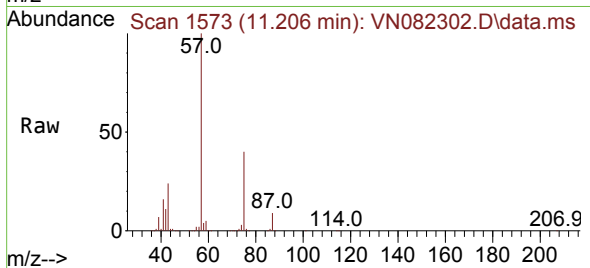
Lab File: VN082302.D

Acq: 22 May 2024 19:04

Instrument :

MSVOA_N

ClientSampleId :

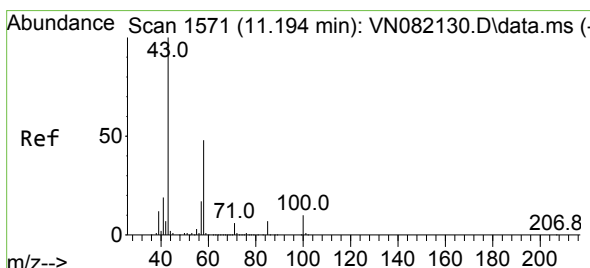
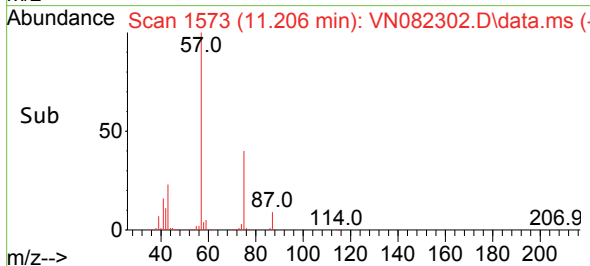
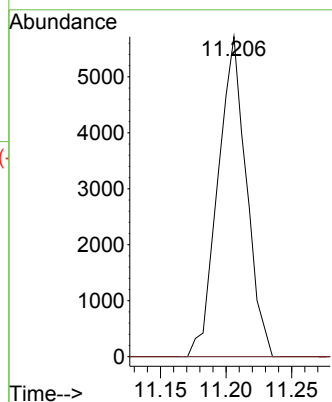


Tgt Ion: 76 Resp: 8626

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 42.314 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN082302.D

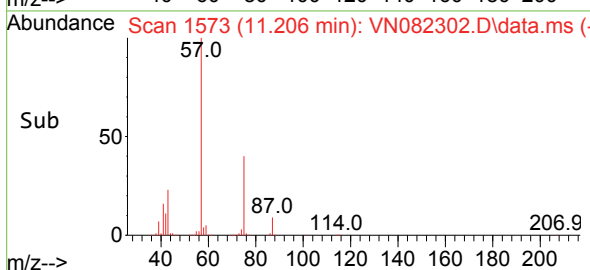
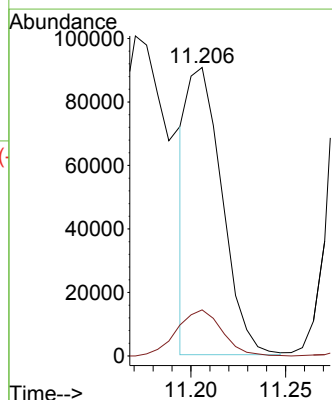
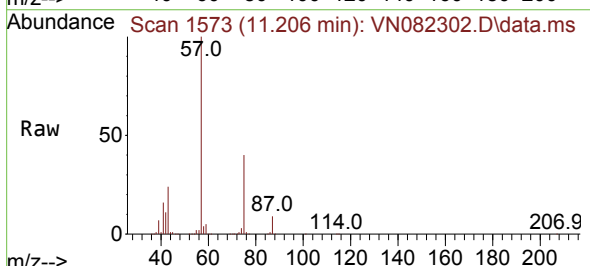
Acq: 22 May 2024 19:04

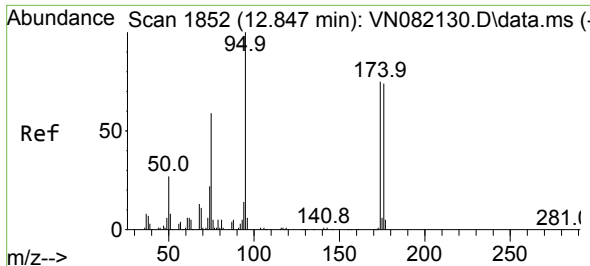
Tgt Ion: 43 Resp: 115119

Ion Ratio Lower Upper

43 100

58 21.0 28.3 84.9#

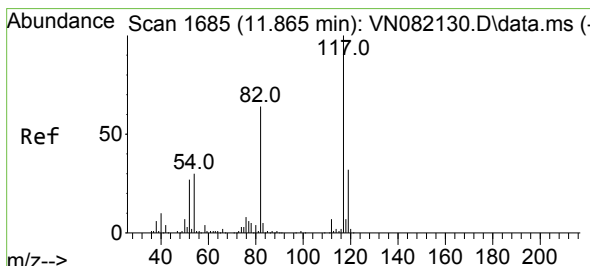
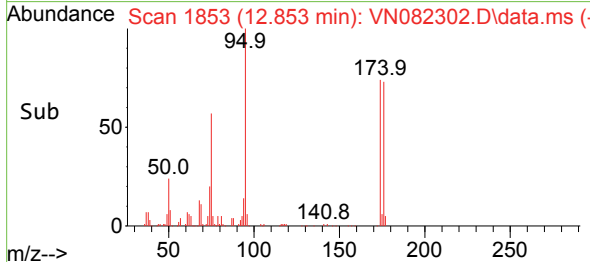
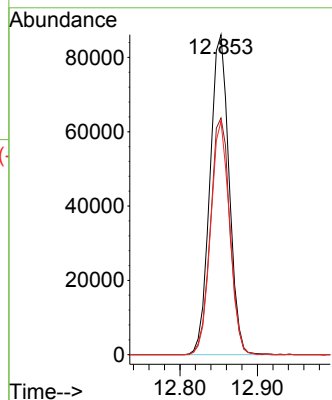
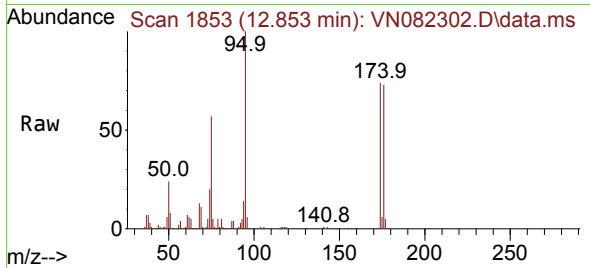




#62
4-Bromofluorobenzene
Concen: 54.752 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

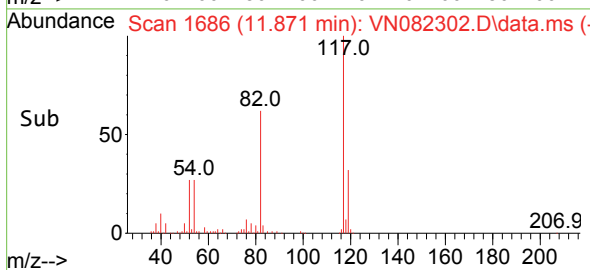
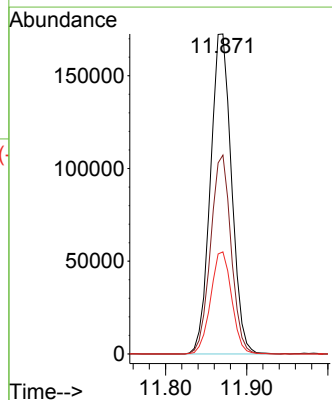
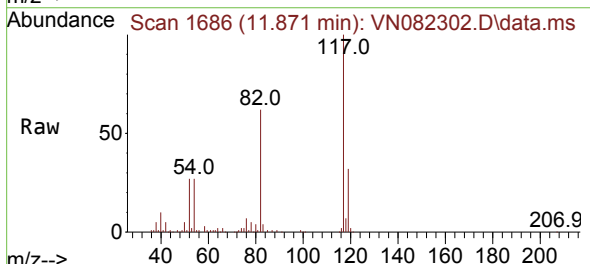
Instrument :
MSVOA_N
ClientSampleId :

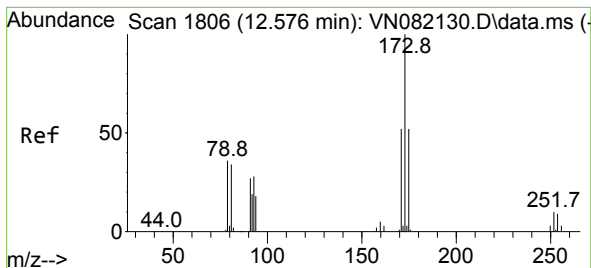
Tgt Ion: 95 Resp: 147324
Ion Ratio Lower Upper
95 100
174 75.1 0.0 160.6
176 72.2 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

Tgt Ion: 117 Resp: 311791
Ion Ratio Lower Upper
117 100
82 62.1 44.6 66.8
119 31.9 25.9 38.9





#71

Bromoform

Concen: 0.874 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

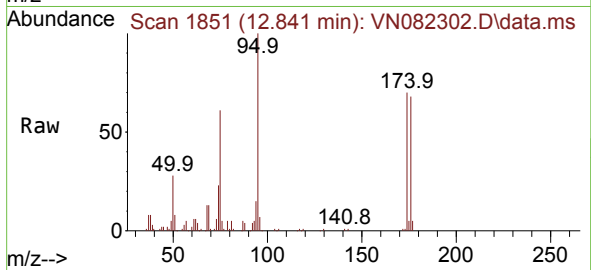
Lab File: VN082302.D

Acq: 22 May 2024 19:04

Instrument :

MSVOA_N

ClientSampleId :



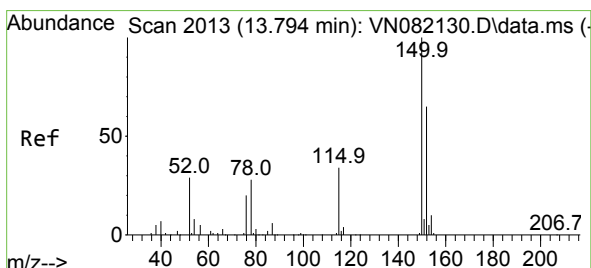
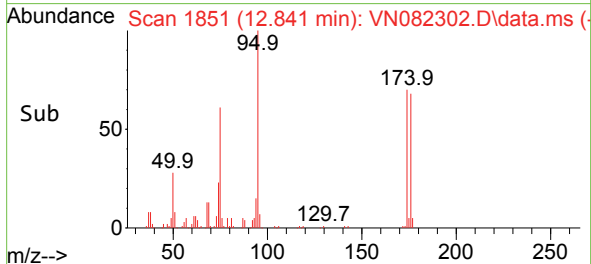
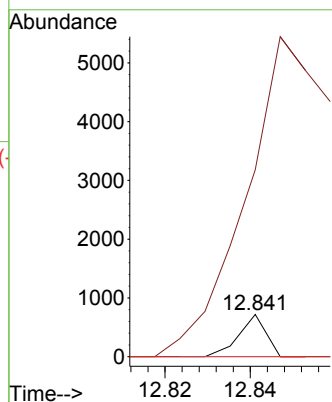
Tgt Ion:173 Resp: 317

Ion Ratio Lower Upper

173 100

175 1832.8 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: VN082302.D

Acq: 22 May 2024 19:04

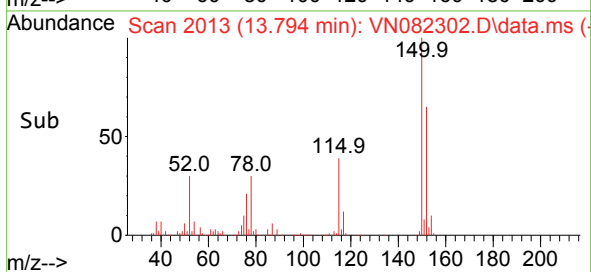
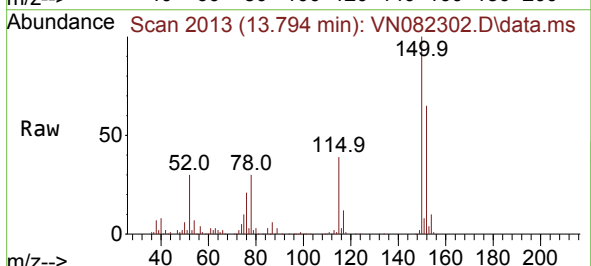
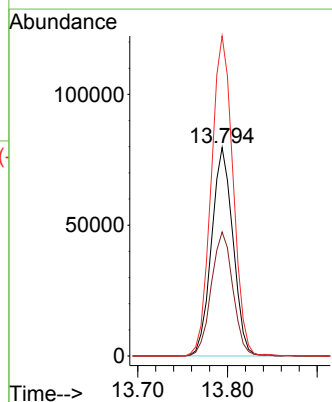
Tgt Ion:152 Resp: 132240

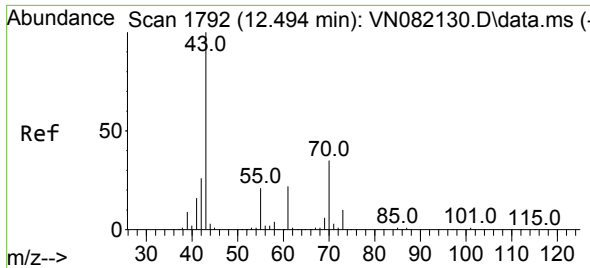
Ion Ratio Lower Upper

152 100

115 60.0 30.4 91.3

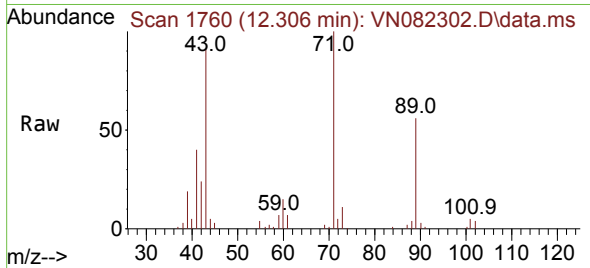
150 156.3 0.0 353.2



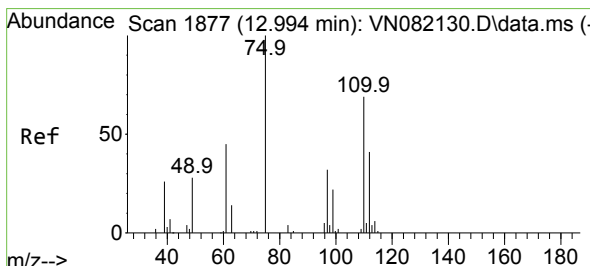
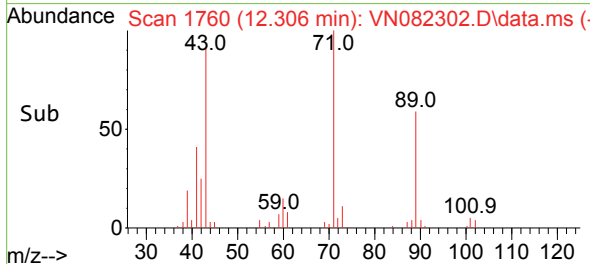
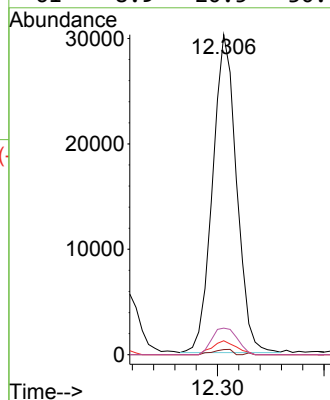


#74
N-amy1 acetate
Concen: 8.147 ug/l
RT: 12.306 min Scan# 1760
Delta R.T. -0.188 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

Instrument :
MSVOA_N
ClientSampleId :

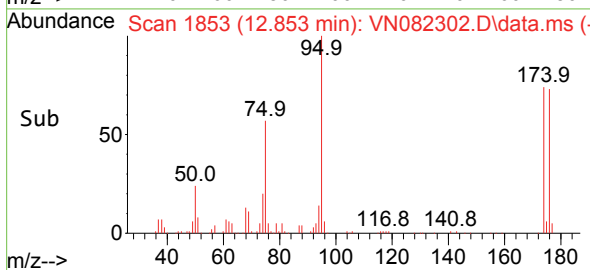
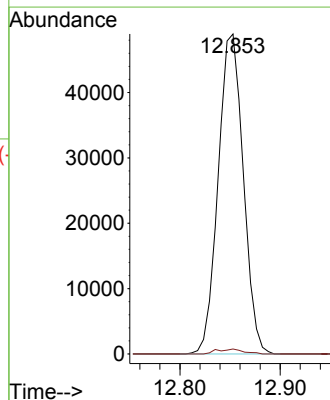
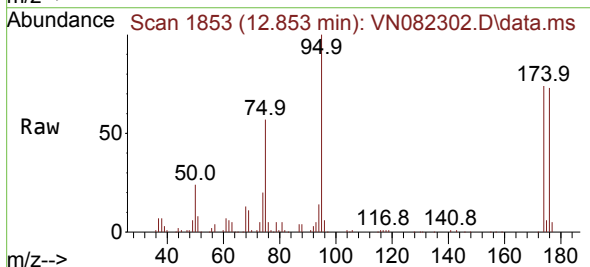


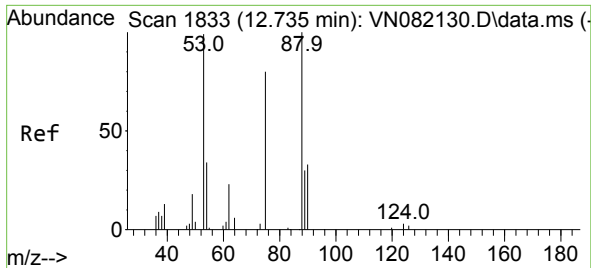
Tgt Ion: 43 Resp: 47082
Ion Ratio Lower Upper
43 100
70 1.3 39.0 58.4#
55 4.4 21.3 31.9#
61 8.9 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 30.610 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

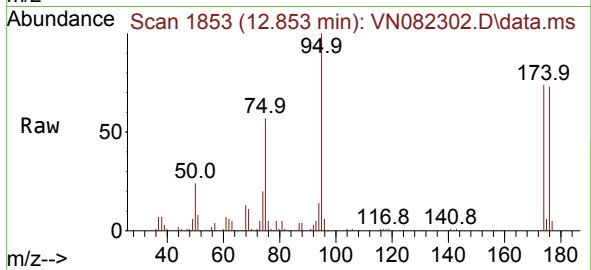
Tgt Ion: 75 Resp: 85198
Ion Ratio Lower Upper
75 100
77 1.6 90.5 271.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.596 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN082302.D
Acq: 22 May 2024 19:04

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 85198
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

