

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082053.D
 Acq On : 09 May 2024 16:10
 Operator : JC\MD
 Sample : PB160759ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 03:53:09 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

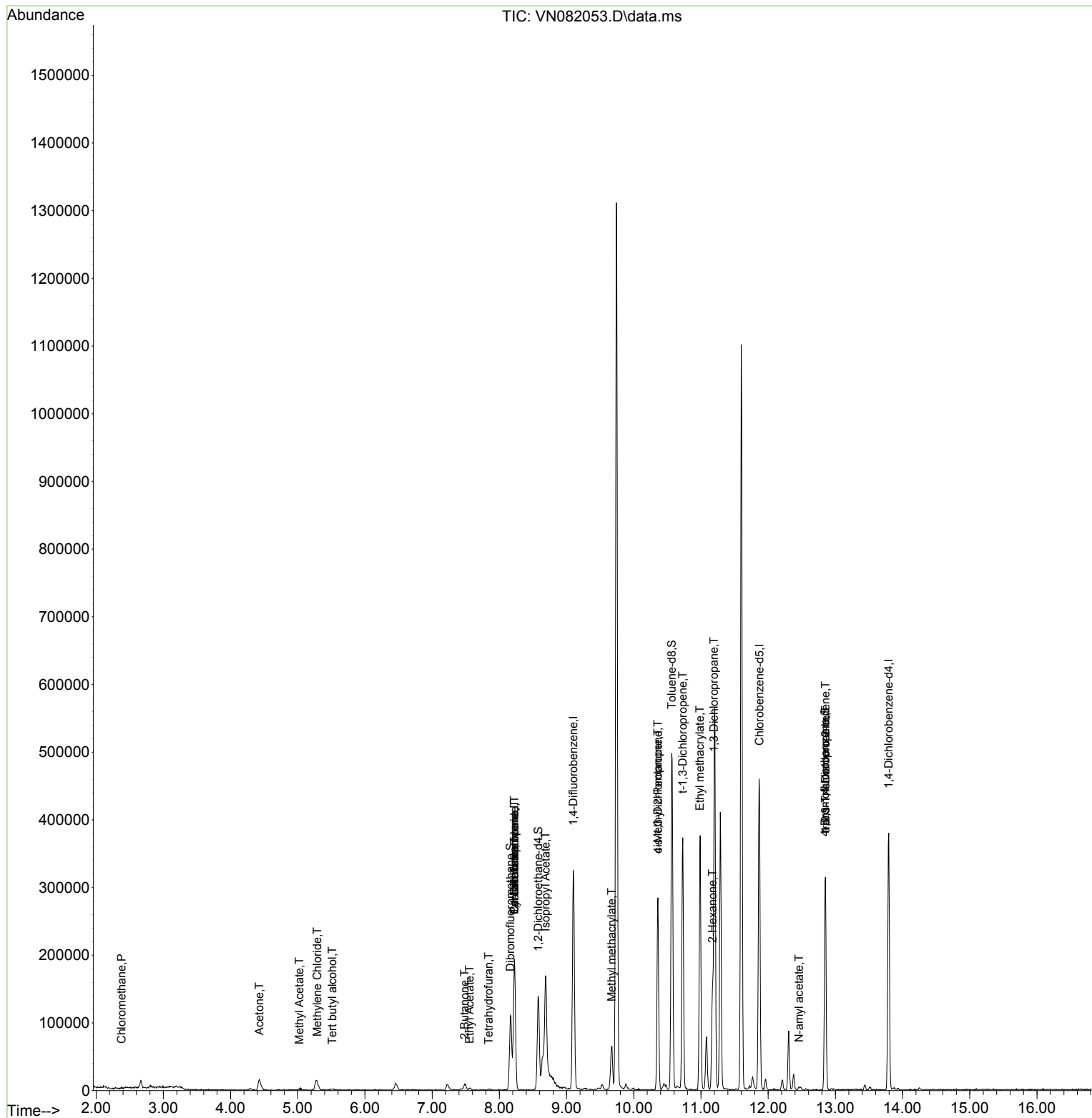
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	120600	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	263729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	247285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108313	53.214	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.420%	
35) Dibromofluoromethane	8.165	113	79313	49.949	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.900%	
50) Toluene-d8	10.565	98	336718	53.993	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.980%	
62) 4-Bromofluorobenzene	12.847	95	113900	46.203	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 92.400%	
Target Compounds						Qvalue
3) Chloromethane	2.377	50	460	0.260	ug/l	# 43
5) Bromomethane	2.953	94	90	Below Cal	#	3
11) Tert butyl alcohol	5.512	59	2386	6.448	ug/l	# 86
13) Acrolein	4.159	56	96	Below Cal	#	15
16) Acetone	4.430	43	27992	41.957	ug/l	96
18) Methyl Acetate	5.024	43	2014	0.977	ug/l	# 56
20) Methylene Chloride	5.289	84	11350	6.507	ug/l	# 89
25) 2-Butanone	7.483	43	13952	12.077	ug/l	# 69
29) Tetrahydrofuran	7.841	42	844	1.019	ug/l	# 51
31) Cyclohexane	8.224	56	4214	1.374	ug/l	# 61
36) 1,1-Dichloropropene	8.224	75	13749	5.322	ug/l	# 48
37) Ethyl Acetate	7.559	43	4633	1.659	ug/l	# 86
38) Carbon Tetrachloride	8.224	117	14126	5.595	ug/l	# 16
43) Isopropyl Acetate	8.688	43	281443	53.590	ug/l	# 71
48) Methyl methacrylate	9.671	41	5882	2.346	ug/l	# 35
51) 4-Methyl-2-Pentanone	10.359	43	104980	35.509	ug/l	# 44
53) t-1,3-Dichloropropene	10.729	75	951	0.295	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	48106	14.500	ug/l	# 72
56) Ethyl methacrylate	10.982	69	951	0.273	ug/l	# 1
57) 1,3-Dichloropropane	11.194	76	5643	1.738	ug/l	# 42
59) 2-Hexanone	11.171	43	125344	56.969	ug/l	# 23
74) N-amyl acetate	12.459	43	4423	0.980	ug/l	# 42
76) 1,2,3-Trichloropropane	12.853	75	62671	26.518	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	62671	54.338	ug/l	# 12

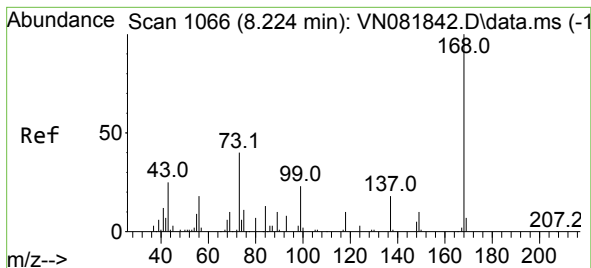
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 10 03:53:09 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: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082053.D

Acq: 09 May 2024 16:10

Instrument :

MSVOA_N

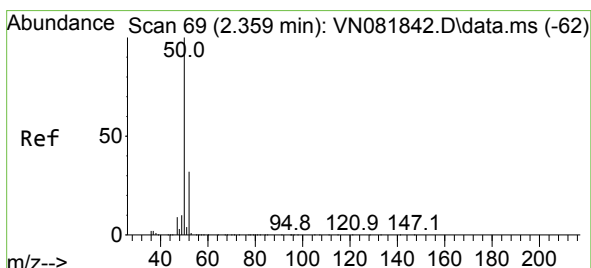
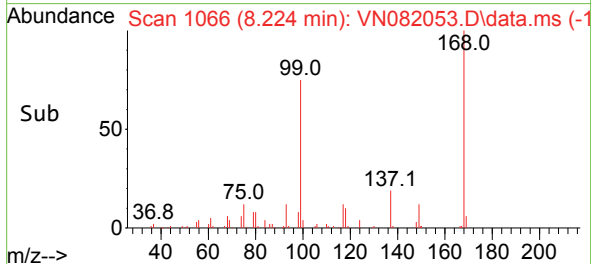
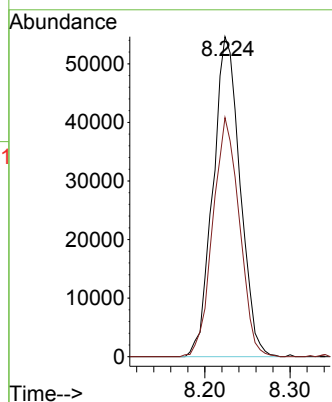
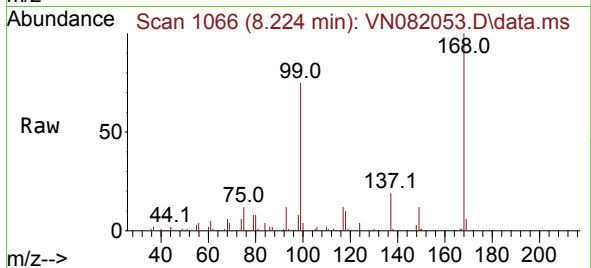
ClientSampleId :

Tgt Ion:168 Resp: 120600

Ion Ratio Lower Upper

168 100

99 74.7 48.2 72.4#



#3

Chloromethane

Concen: 0.260 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.018 min

Lab File: VN082053.D

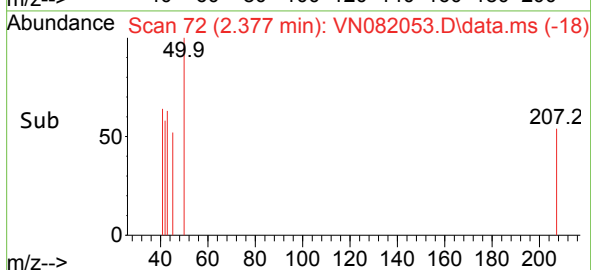
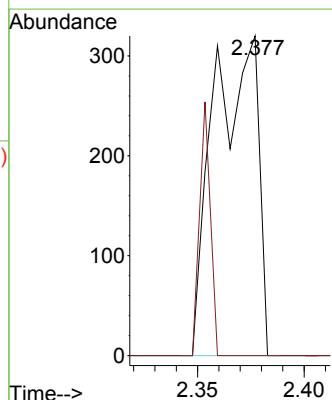
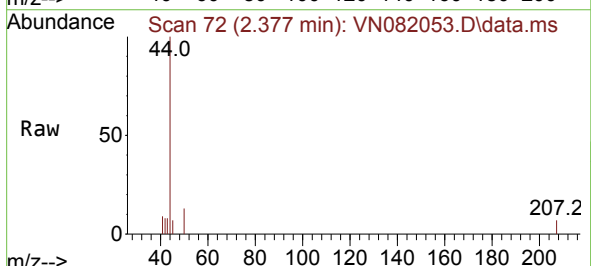
Acq: 09 May 2024 16:10

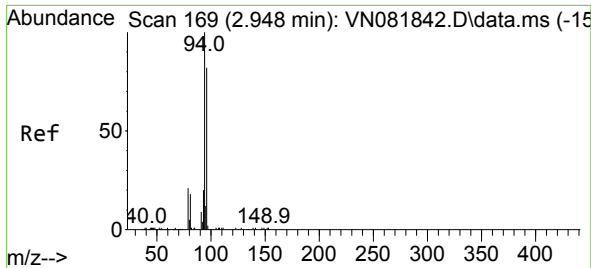
Tgt Ion: 50 Resp: 460

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

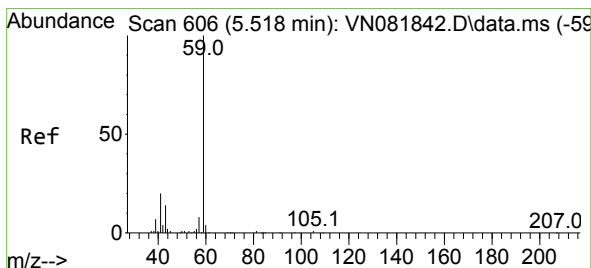
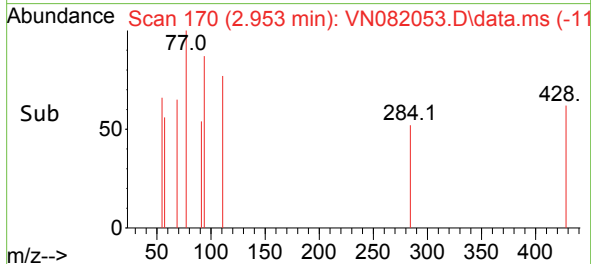
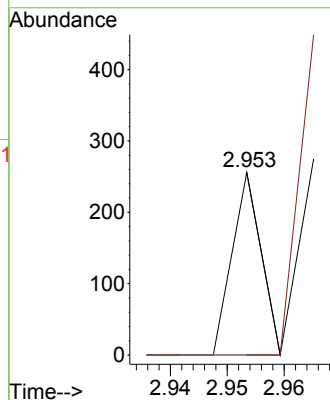
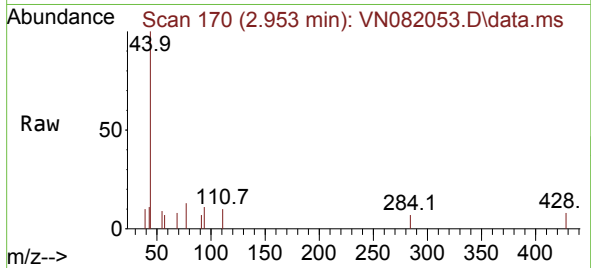




#5
Bromomethane
Concen: Below Cal
RT: 2.953 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

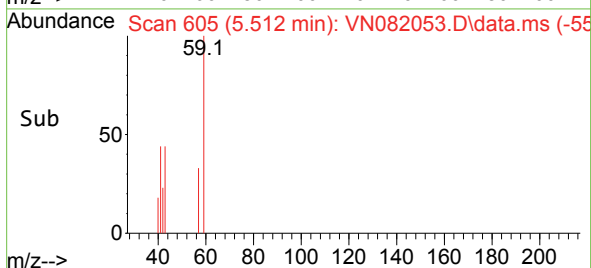
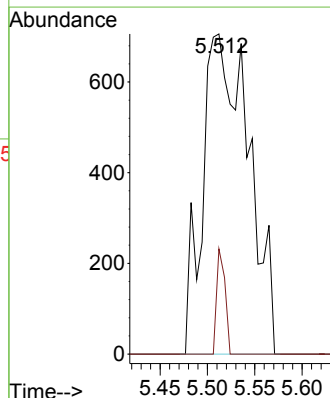
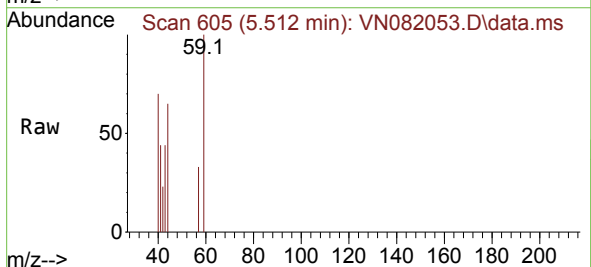
Instrument :
MSVOA_N
ClientSampleId :

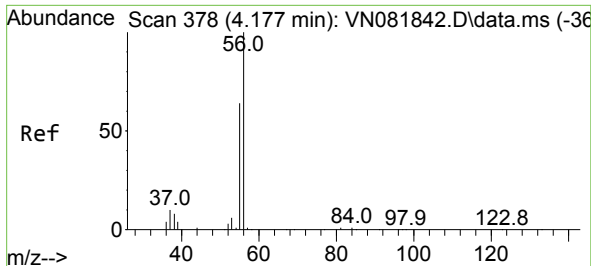
Tgt Ion: 94 Resp: 90
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 6.448 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

Tgt Ion: 59 Resp: 2386
Ion Ratio Lower Upper
59 100
57 6.0 8.9 13.3#

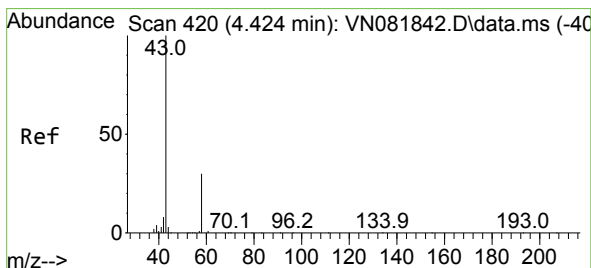
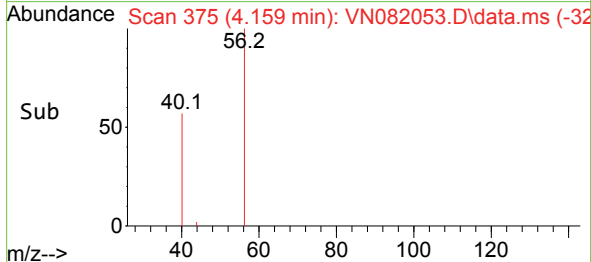
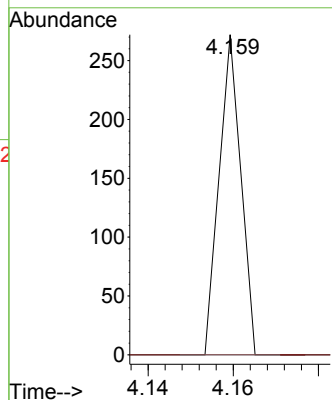
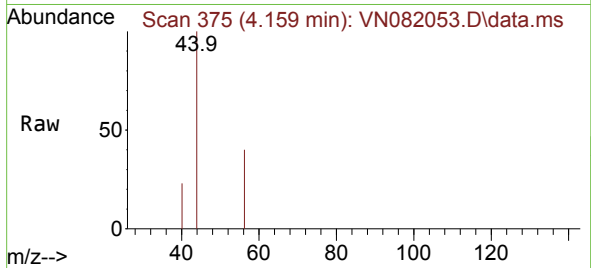




#13
Acrolein
Concen: Below Cal
RT: 4.159 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

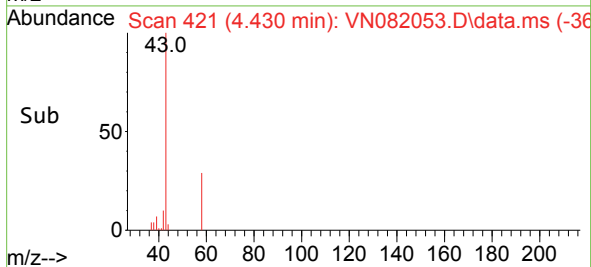
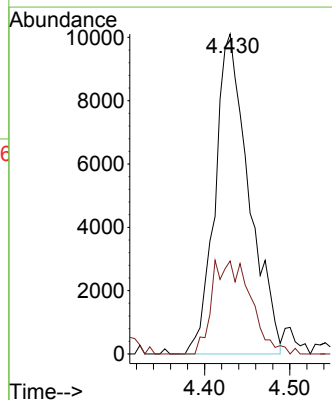
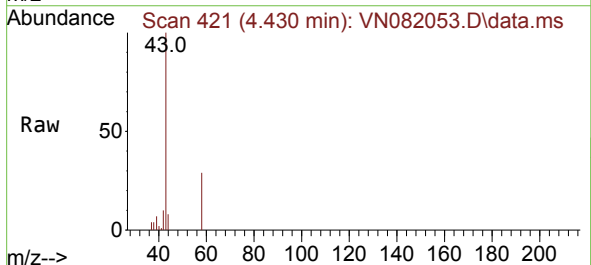
Instrument :
MSVOA_N
ClientSampleId :

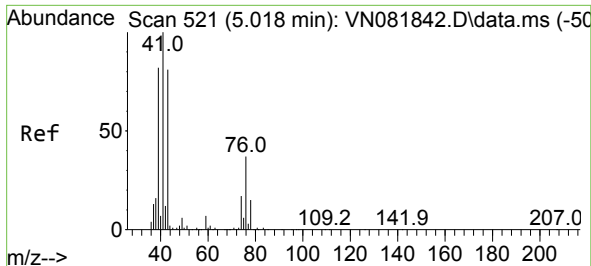
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 41.957 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

Tgt Ion: 43 Resp: 27992
Ion Ratio Lower Upper
43 100
58 29.1 25.2 37.8

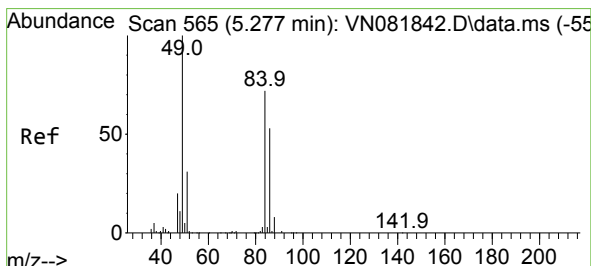
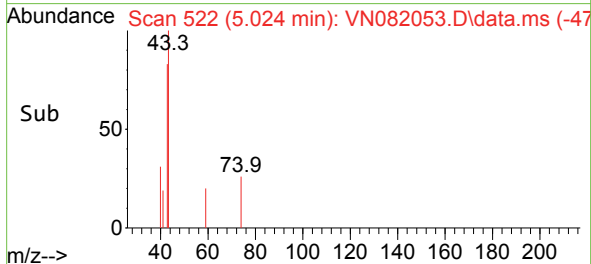
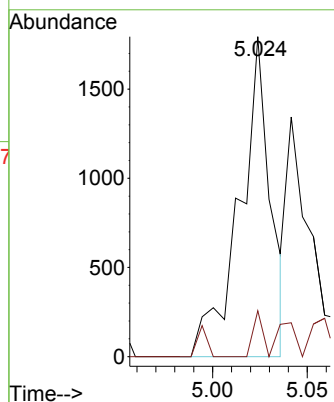
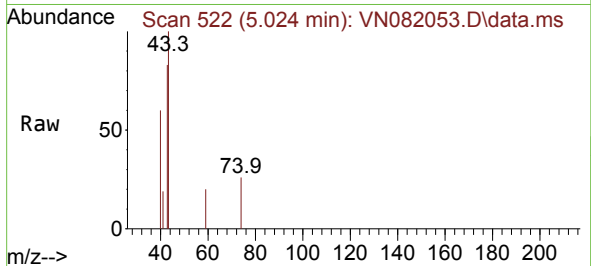




#18
Methyl Acetate
Concen: 0.977 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

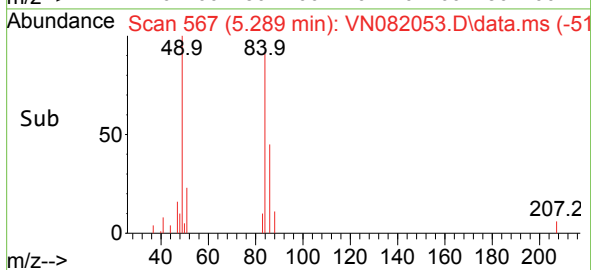
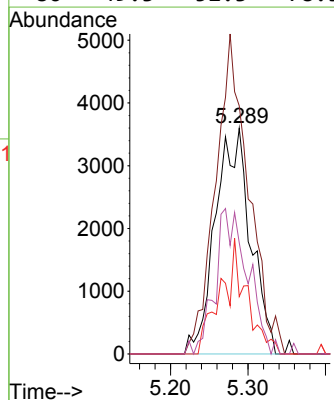
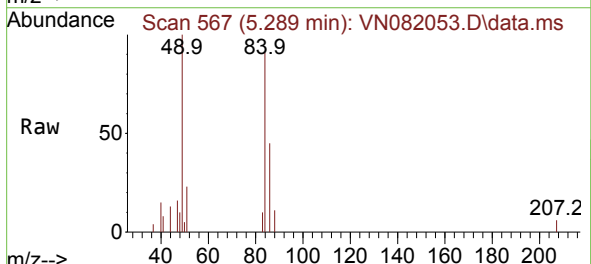
Instrument :
MSVOA_N
ClientSampleId :

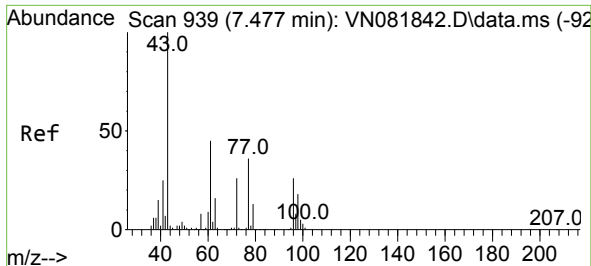
Tgt Ion: 43 Resp: 2014
Ion Ratio Lower Upper
43 100
74 4.5 22.2 33.2#



#20
Methylene Chloride
Concen: 6.507 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

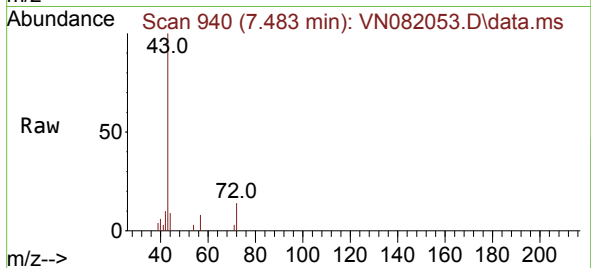
Tgt Ion: 84 Resp: 11350
Ion Ratio Lower Upper
84 100
49 110.0 84.9 127.3
51 25.4 27.0 40.6#
86 49.3 52.3 78.5#



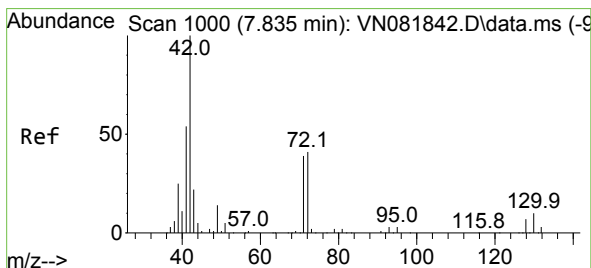
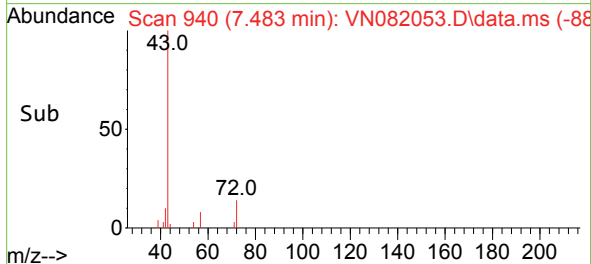
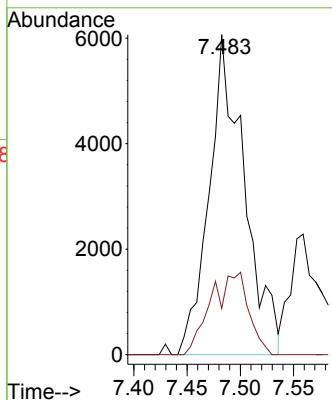


#25
2-Butanone
Concen: 12.077 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

Instrument :
MSVOA_N
ClientSampleId :

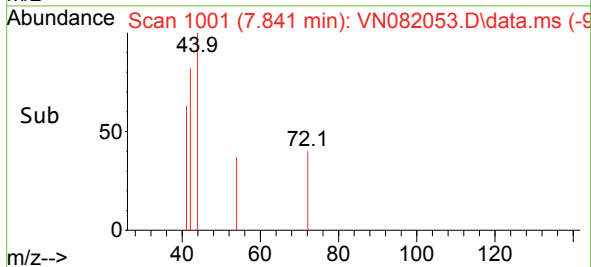
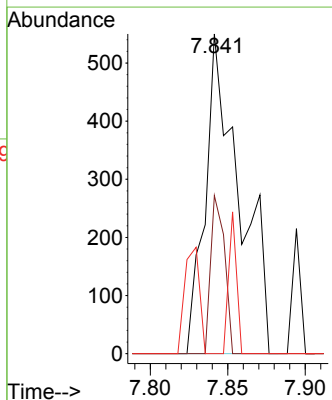
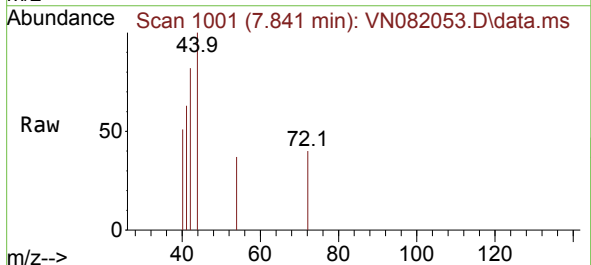


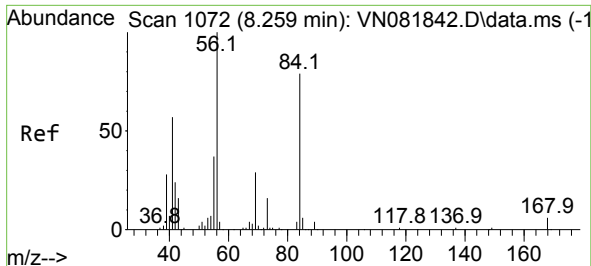
Tgt Ion: 43 Resp: 13952
Ion Ratio Lower Upper
43 100
72 14.5 25.3 37.9#



#29
Tetrahydrofuran
Concen: 1.019 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

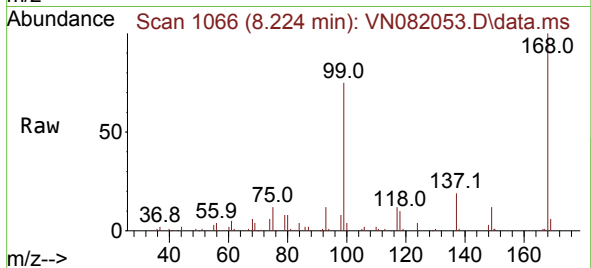
Tgt Ion: 42 Resp: 844
Ion Ratio Lower Upper
42 100
72 19.9 39.3 58.9#
71 10.2 37.4 56.0#



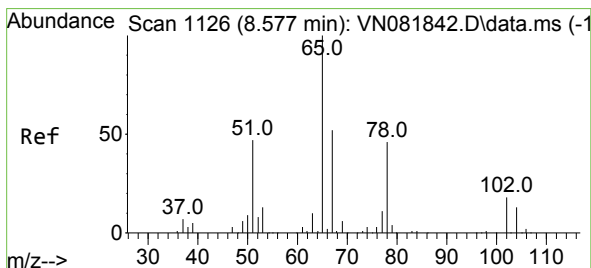
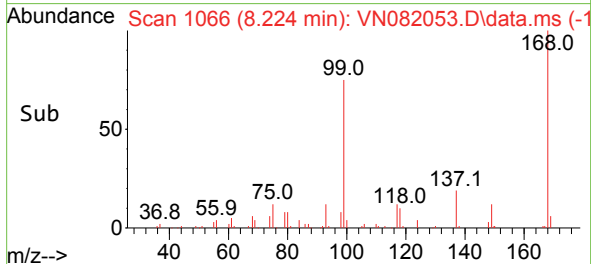
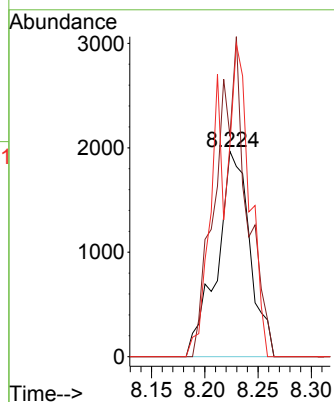


#31
Cyclohexane
Concen: 1.374 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

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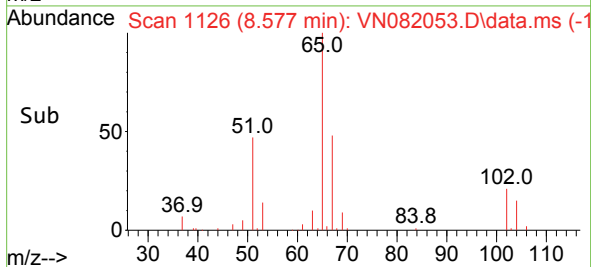
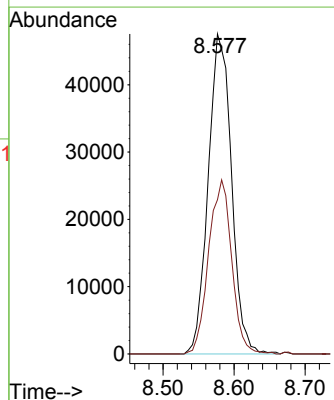
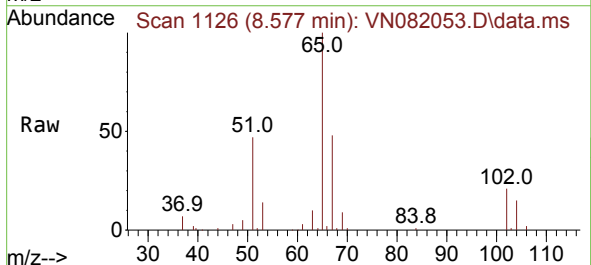


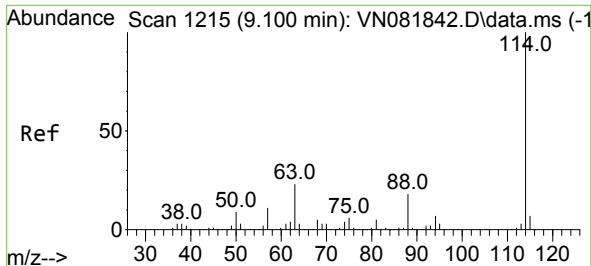
Tgt Ion: 56 Resp: 4214
Ion Ratio Lower Upper
56 100
69 107.4 24.4 36.6#
84 103.4 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 53.214 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

Tgt Ion: 65 Resp: 108313
Ion Ratio Lower Upper
65 100
67 53.9 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: VN082053.D

Acq: 09 May 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :

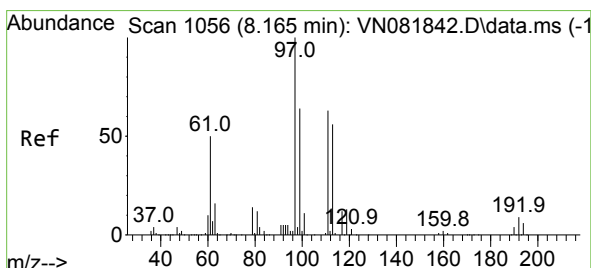
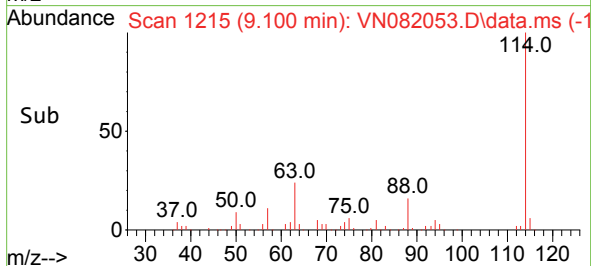
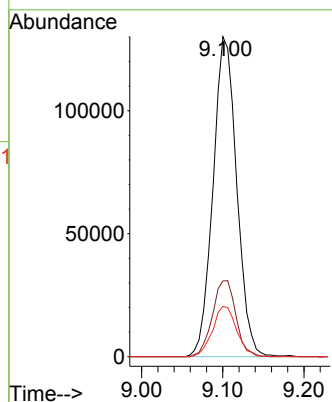
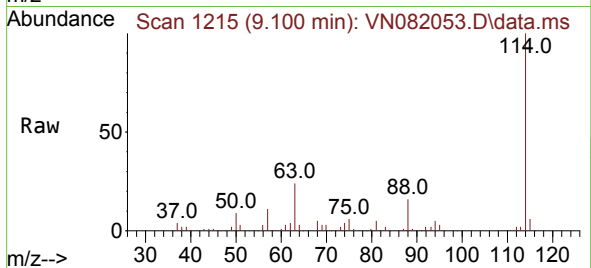
Tgt Ion:114 Resp: 263729

Ion Ratio Lower Upper

114 100

63 23.7 0.0 41.0

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.949 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN082053.D

Acq: 09 May 2024 16:10

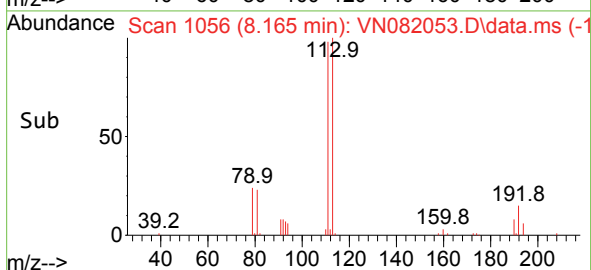
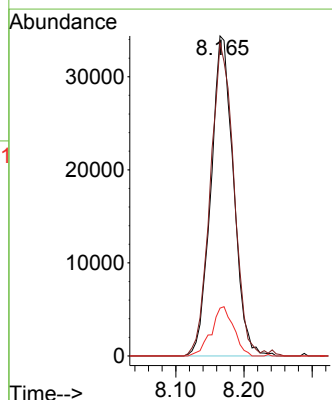
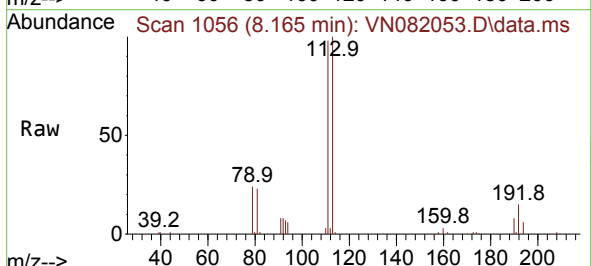
Tgt Ion:113 Resp: 79313

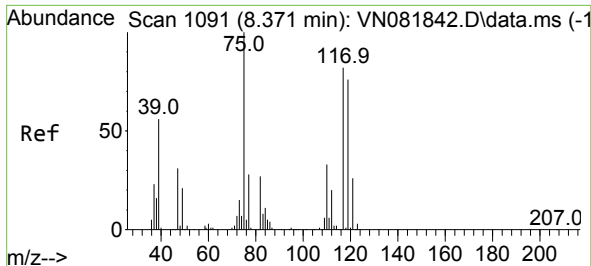
Ion Ratio Lower Upper

113 100

111 102.4 83.4 125.2

192 15.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.322 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

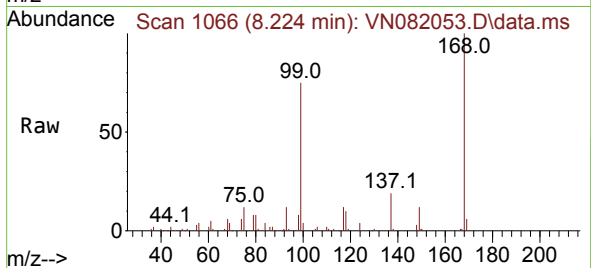
Lab File: VN082053.D

Acq: 09 May 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :



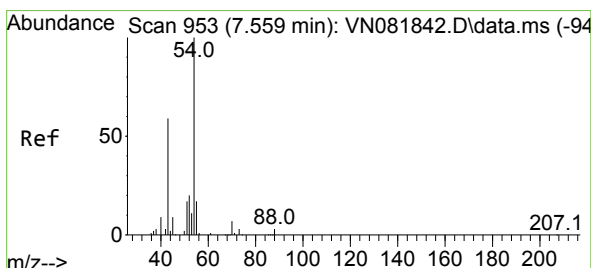
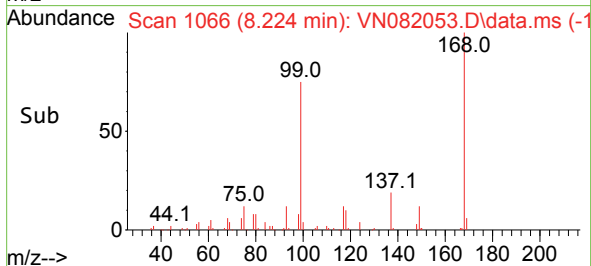
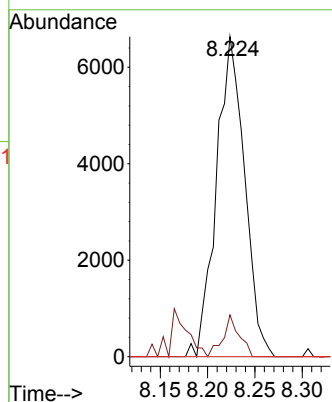
Tgt Ion: 75 Resp: 13749

Ion Ratio Lower Upper

75 100

110 7.5 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.659 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN082053.D

Acq: 09 May 2024 16:10

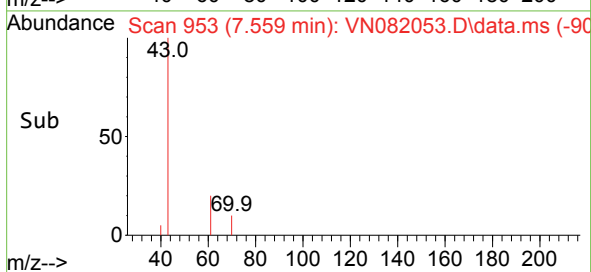
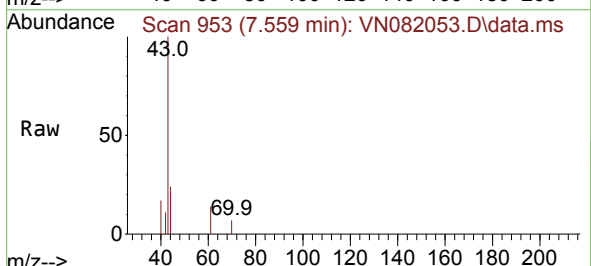
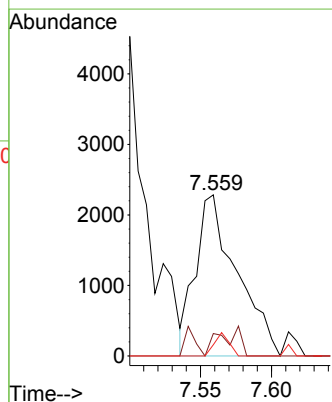
Tgt Ion: 43 Resp: 4633

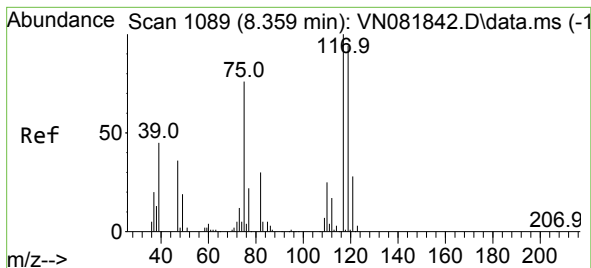
Ion Ratio Lower Upper

43 100

61 9.1 11.3 16.9#

70 5.1 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.595 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

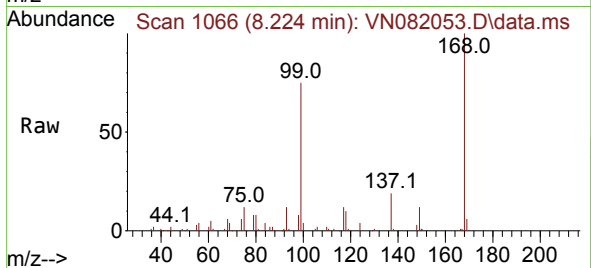
Lab File: VN082053.D

Acq: 09 May 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :



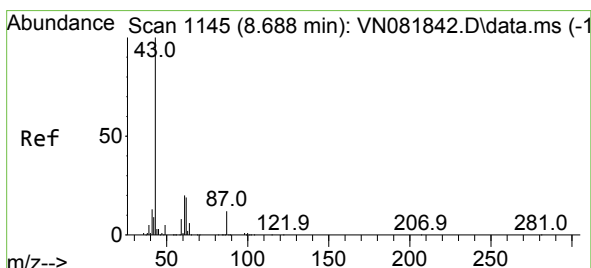
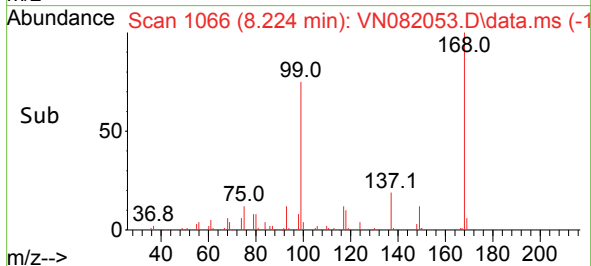
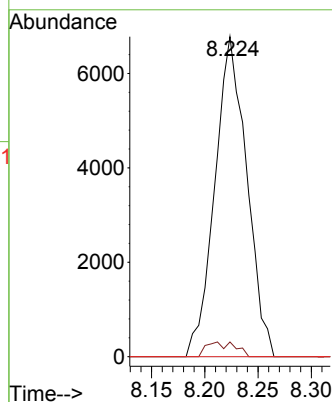
Tgt Ion:117 Resp: 14126

Ion Ratio Lower Upper

117 100

119 4.6 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 53.590 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082053.D

Acq: 09 May 2024 16:10

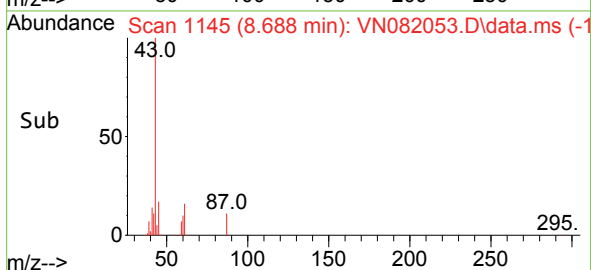
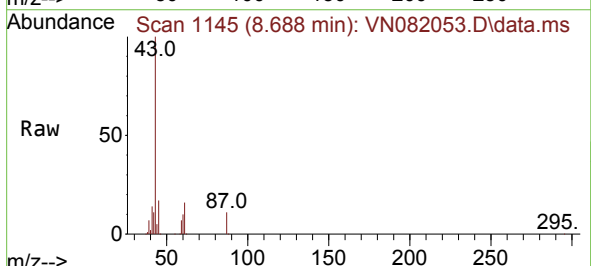
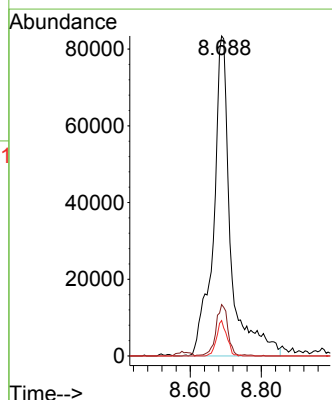
Tgt Ion: 43 Resp: 281443

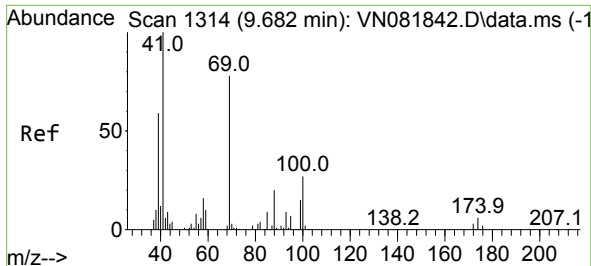
Ion Ratio Lower Upper

43 100

61 11.1 22.8 34.2#

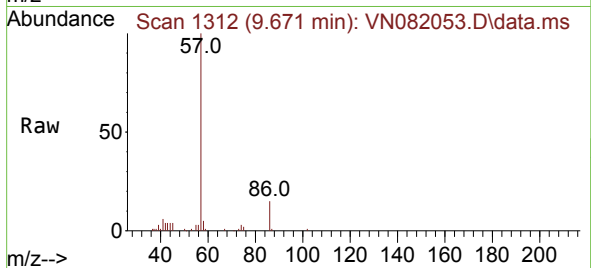
87 6.6 12.0 18.0#



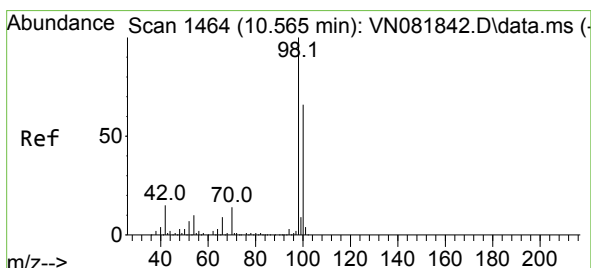
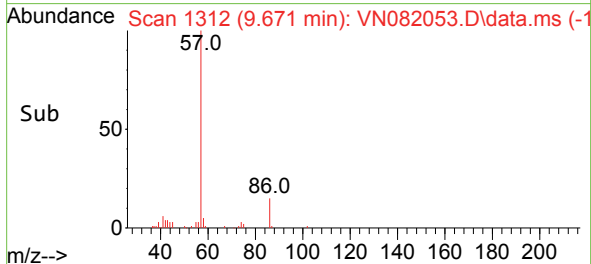
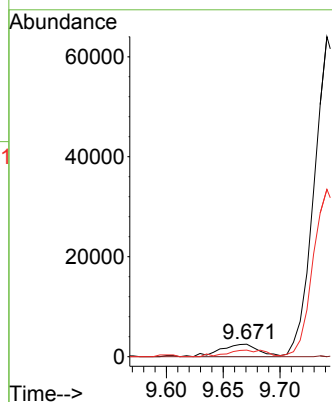


#48
Methyl methacrylate
Concen: 2.346 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

Instrument :
MSVOA_N
ClientSampleId :

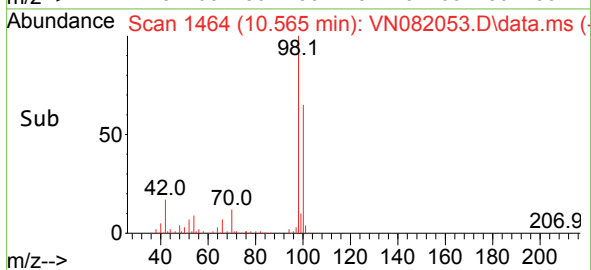
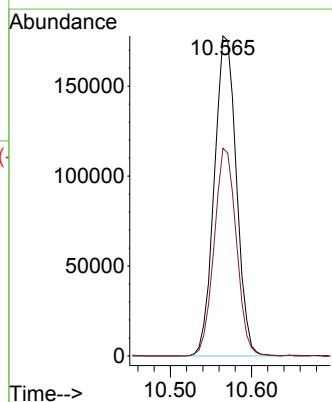
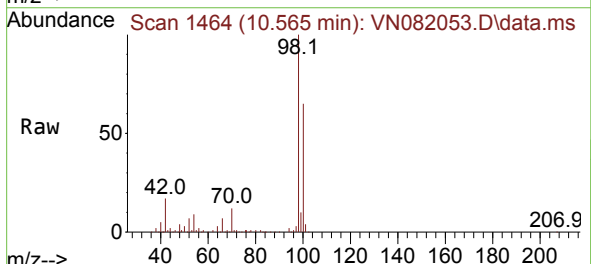


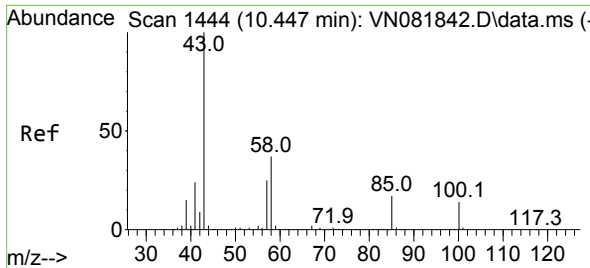
Tgt Ion: 41 Resp: 5882
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 54.3 50.9 76.3



#50
Toluene-d8
Concen: 53.993 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

Tgt Ion: 98 Resp: 336718
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6

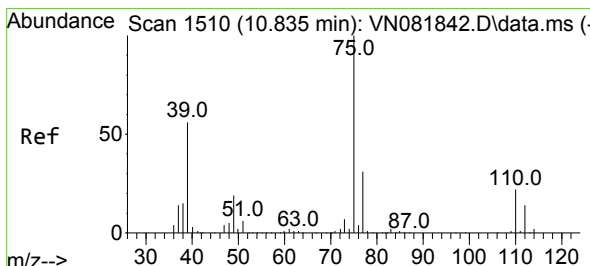
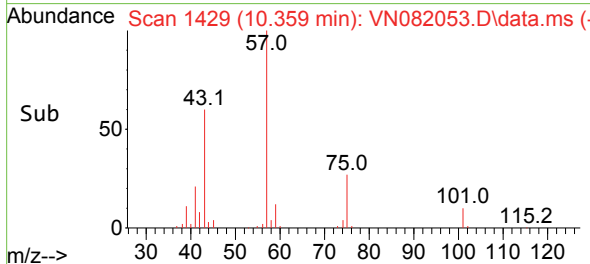
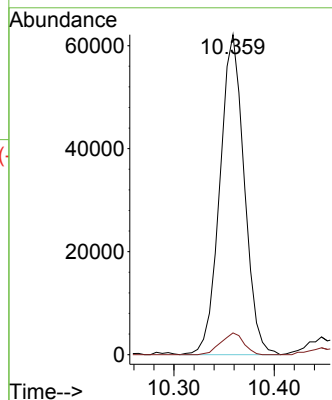
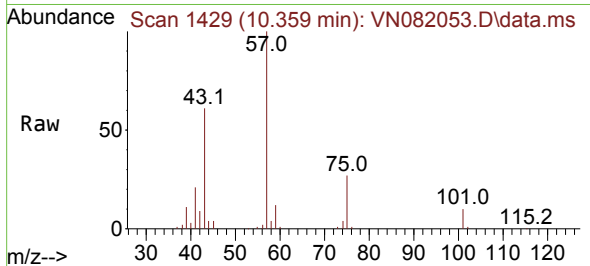




#51
4-Methyl-2-Pentanone
Concen: 35.509 ug/l
RT: 10.359 min Scan# 1444
Delta R.T. -0.088 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

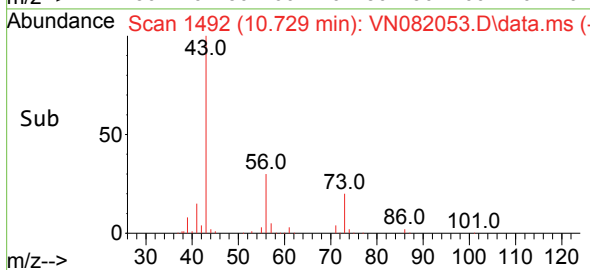
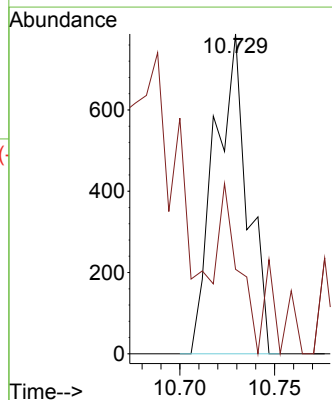
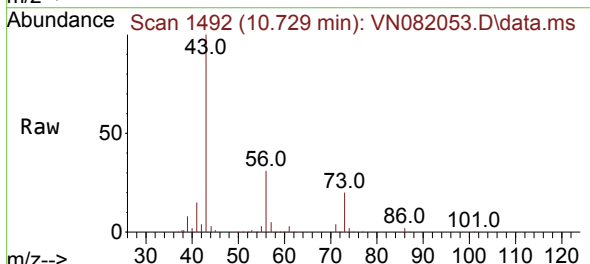
Instrument :
MSVOA_N
ClientSampleId :

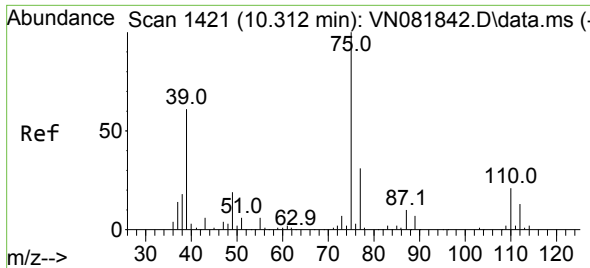
Tgt Ion: 43 Resp: 104980
Ion Ratio Lower Upper
43 100
58 6.4 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.295 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

Tgt Ion: 75 Resp: 951
Ion Ratio Lower Upper
75 100
77 26.4 25.4 38.0

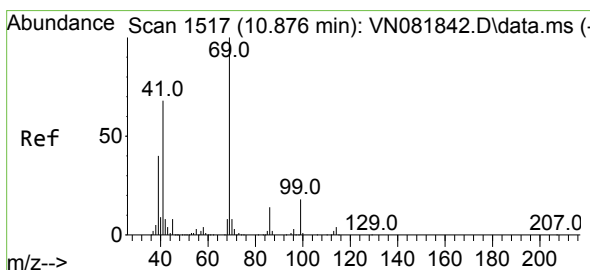
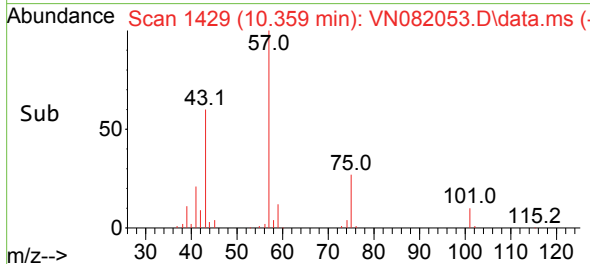
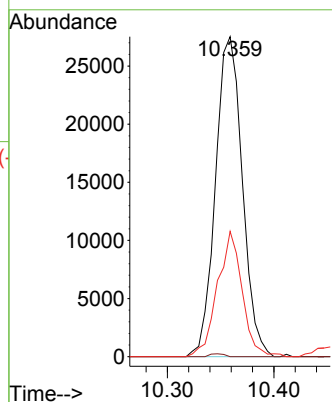
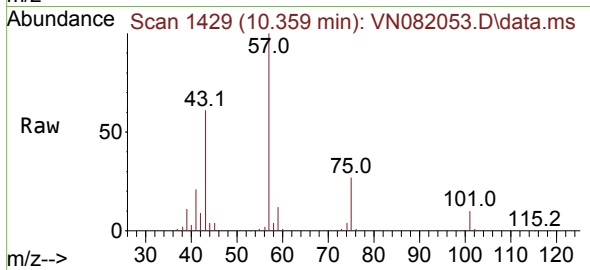




#54
 cis-1,3-Dichloropropene
 Concen: 14.500 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082053.D
 Acq: 09 May 2024 16:10

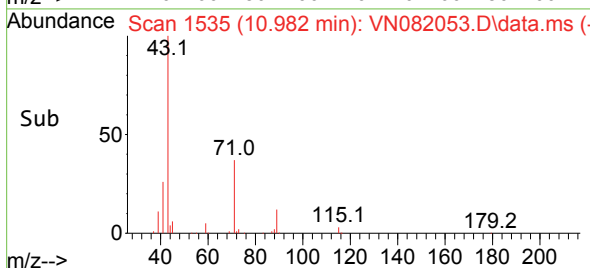
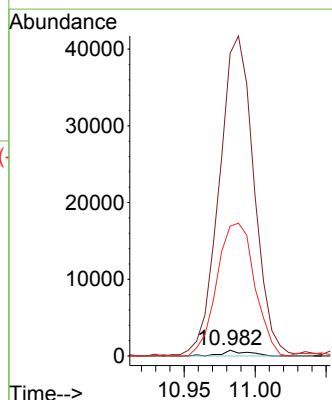
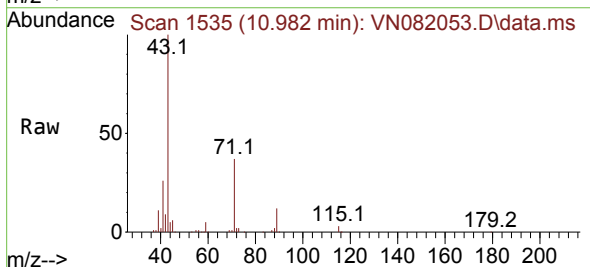
Instrument :
 MSVOA_N
 ClientSampleId :

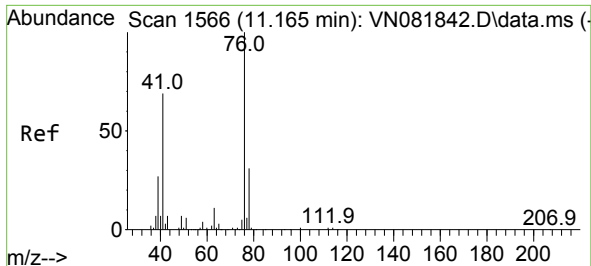
Tgt Ion: 75 Resp: 48106
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 39.2 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.273 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082053.D
 Acq: 09 May 2024 16:10

Tgt Ion: 69 Resp: 951
 Ion Ratio Lower Upper
 69 100
 41 7469.0 46.6 70.0#
 39 3358.4 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.738 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.029 min

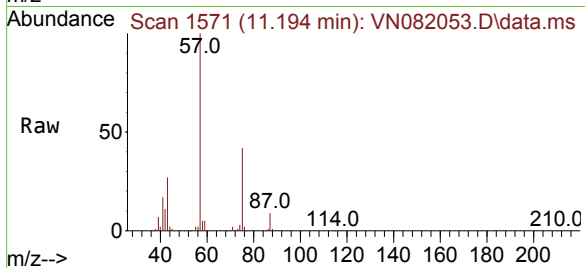
Lab File: VN082053.D

Acq: 09 May 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :

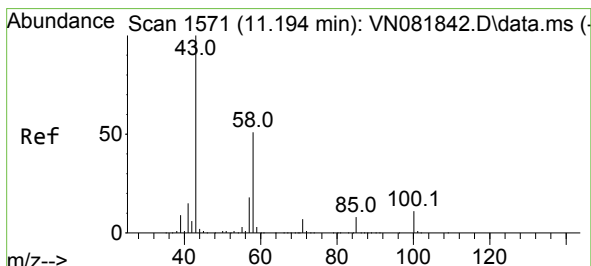
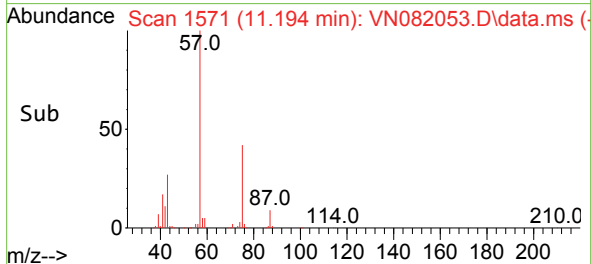
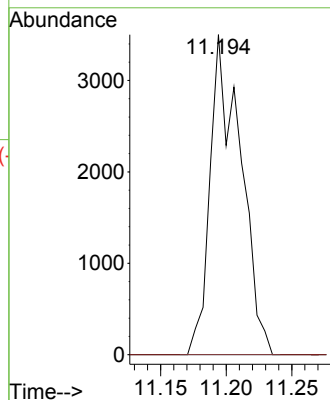


Tgt Ion: 76 Resp: 5643

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 56.969 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082053.D

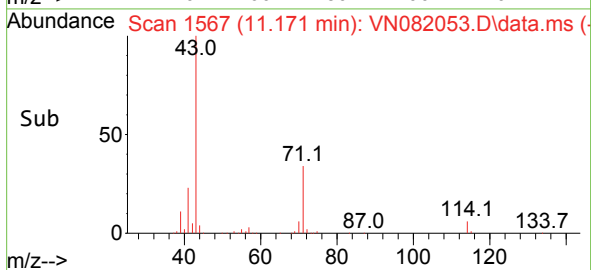
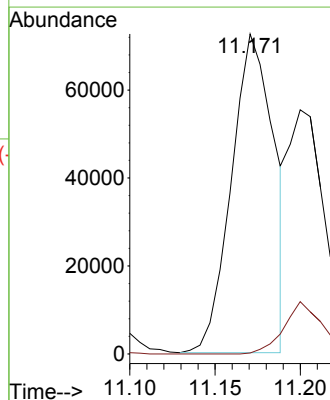
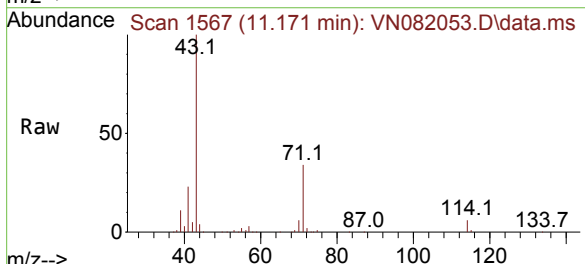
Acq: 09 May 2024 16:10

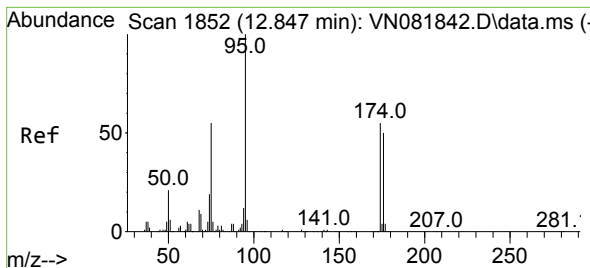
Tgt Ion: 43 Resp: 125344

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

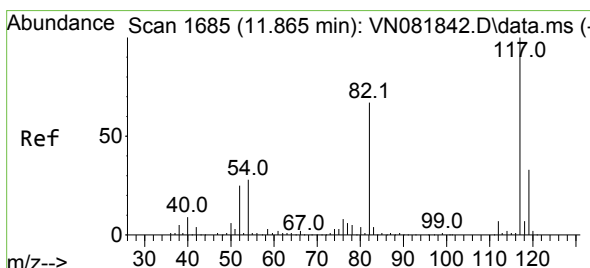
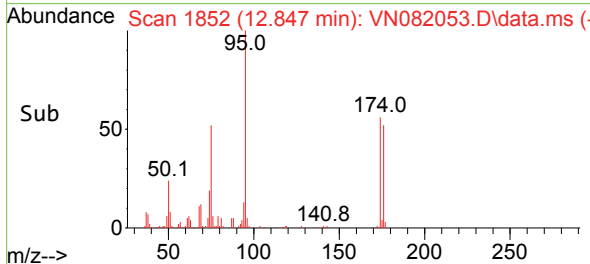
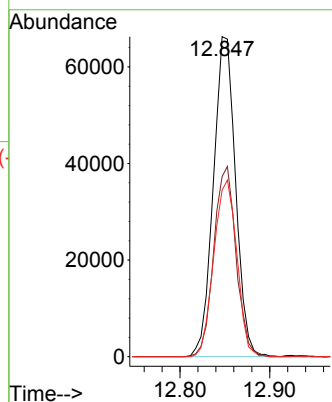
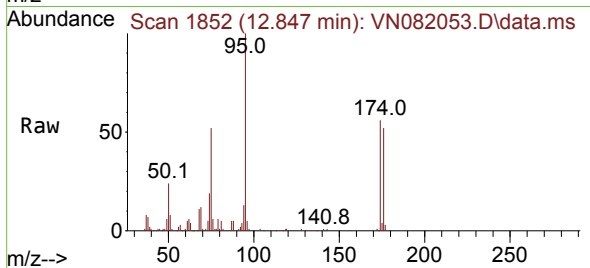




#62
4-Bromofluorobenzene
Concen: 46.203 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

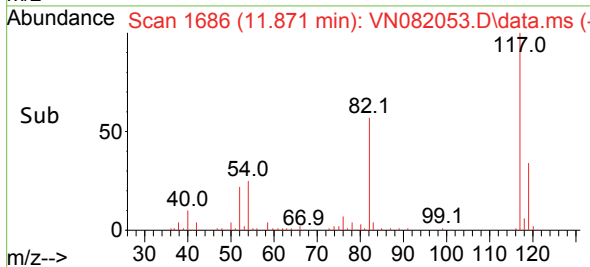
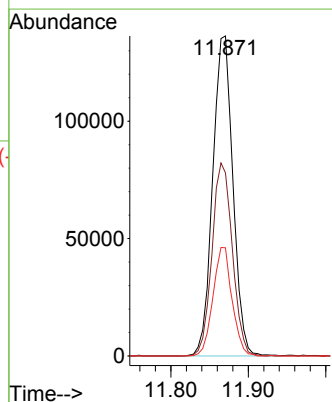
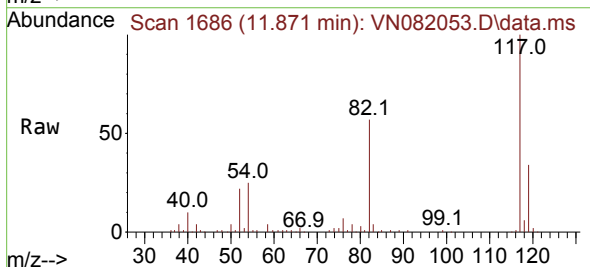
Instrument :
MSVOA_N
ClientSampleId :

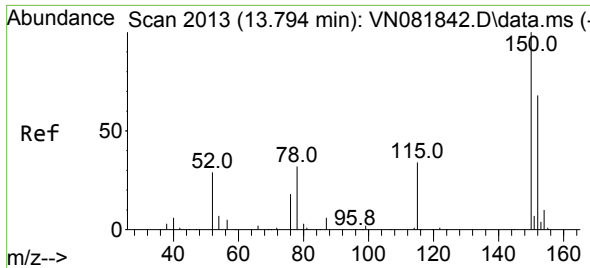
Tgt Ion: 95 Resp: 113900
Ion Ratio Lower Upper
95 100
174 59.6 0.0 160.6
176 57.2 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082053.D
Acq: 09 May 2024 16:10

Tgt Ion: 117 Resp: 247285
Ion Ratio Lower Upper
117 100
82 57.2 44.6 66.8
119 33.8 25.9 38.9

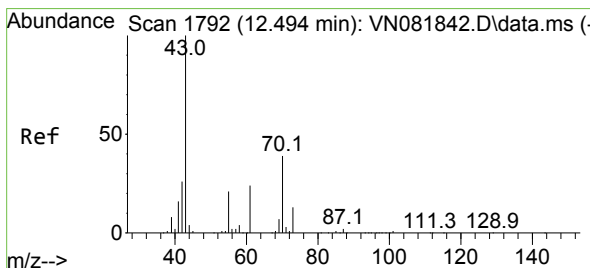
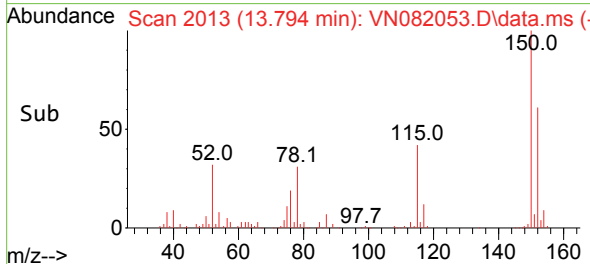
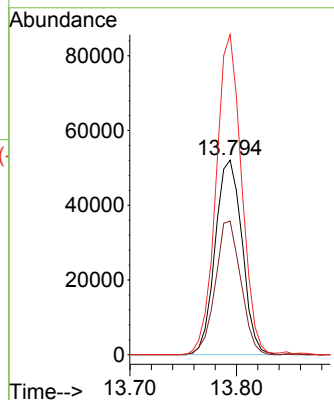
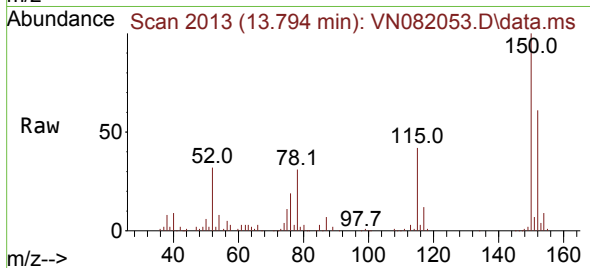




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN082053.D
 Acq: 09 May 2024 16:10

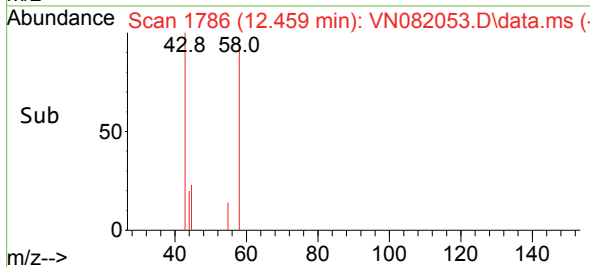
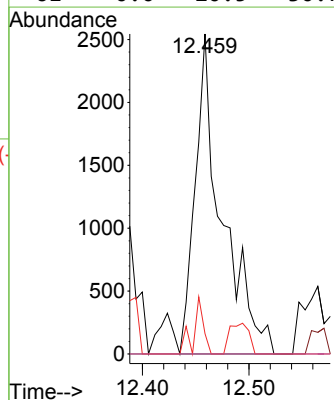
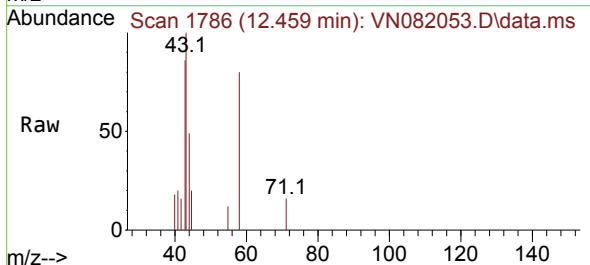
Instrument :
 MSVOA_N
 ClientSampleId :

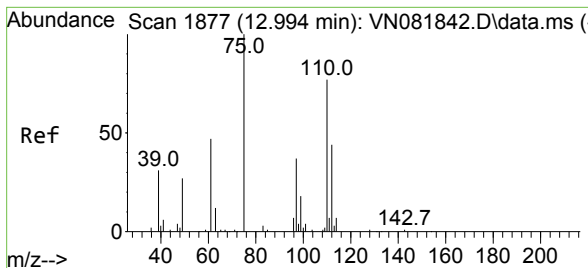
Tgt Ion:152 Resp: 91152
 Ion Ratio Lower Upper
 152 100
 115 65.2 30.4 91.3
 150 156.1 0.0 353.2



#74
 N-ethyl acetate
 Concen: 0.980 ug/l
 RT: 12.459 min Scan# 1786
 Delta R.T. -0.035 min
 Lab File: VN082053.D
 Acq: 09 May 2024 16:10

Tgt Ion: 43 Resp: 4423
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 6.7 21.3 31.9#
 61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 26.518 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082053.D

Acq: 09 May 2024 16:10

Instrument :

MSVOA_N

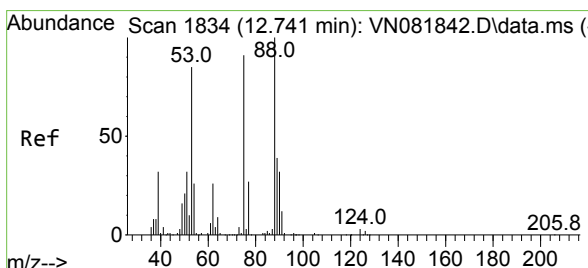
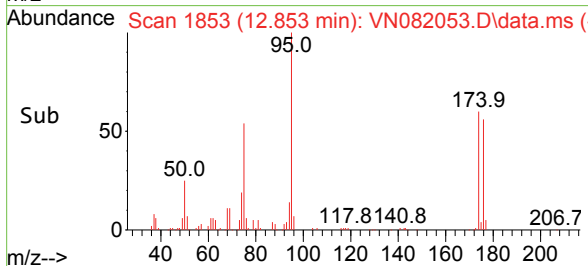
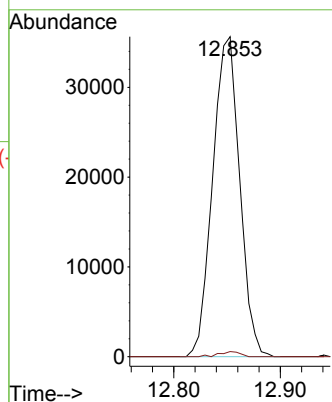
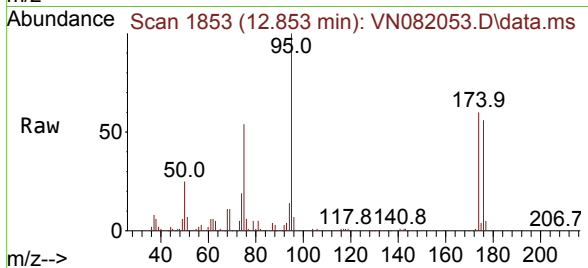
ClientSampleId :

Tgt Ion: 75 Resp: 62671

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.338 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082053.D

Acq: 09 May 2024 16:10

Tgt Ion: 75 Resp: 62671

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.1 39.1 58.7#

