

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082050.D
 Acq On : 09 May 2024 14:58
 Operator : JC\MD
 Sample : PB160759ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 03:51:54 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

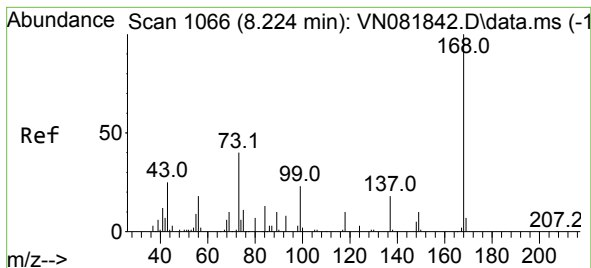
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	124837	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	271982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	95921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113521	53.880	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.760%	
35) Dibromofluoromethane	8.171	113	83072	50.729	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.460%	
50) Toluene-d8	10.571	98	357539	55.592	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.180%	
62) 4-Bromofluorobenzene	12.847	95	118856	46.750	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 93.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	335	Below Cal	#	65
11) Tert butyl alcohol	5.518	59	2141	5.590	ug/l	# 71
13) Acrolein	4.265	56	83	Below Cal	#	15
16) Acetone	4.430	43	29923	43.512	ug/l	95
18) Methyl Acetate	5.012	43	824	0.386	ug/l	# 85
20) Methylene Chloride	5.283	84	9869	5.466	ug/l	91
25) 2-Butanone	7.483	43	13710	11.465	ug/l	# 66
29) Tetrahydrofuran	7.835	42	1077	1.256	ug/l	# 36
31) Cyclohexane	8.224	56	4213	1.327	ug/l	# 42
36) 1,1-Dichloropropene	8.224	75	14416	5.411	ug/l	# 50
37) Ethyl Acetate	7.571	43	4503	1.563	ug/l	# 85
38) Carbon Tetrachloride	8.230	117	14214	5.459	ug/l	# 14
41) Methacrylonitrile	7.853	41	491	0.267	ug/l	# 35
43) Isopropyl Acetate	8.688	43	274760	50.730	ug/l	# 72
45) 1,2-Dichloropropane	9.735	63	1565	0.748	ug/l	# 45
48) Methyl methacrylate	9.665	41	5487	2.122	ug/l	# 37
49) 1,4-Dioxane	9.871	88	53	1.349	ug/l	# 28
51) 4-Methyl-2-Pentanone	10.447	43	6419	2.105	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	50562	14.778	ug/l	# 68
57) 1,3-Dichloropropane	11.200	76	7095	2.119	ug/l	# 42
59) 2-Hexanone	11.171	43	128348	56.565	ug/l	# 23
74) N-amyl acetate	12.459	43	2289	0.482	ug/l	# 41
76) 1,2,3-Trichloropropane	12.853	75	68805	27.666	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	68805	56.690	ug/l	# 13

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

Quant Time: May 10 03:51:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082050.D

Acq: 09 May 2024 14:58

Instrument :

MSVOA_N

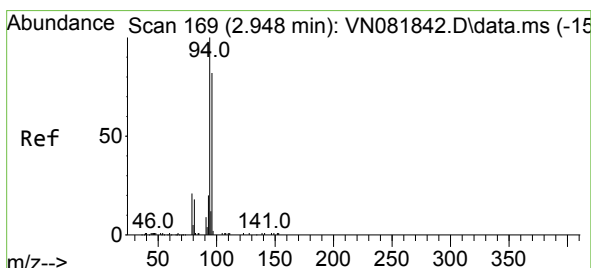
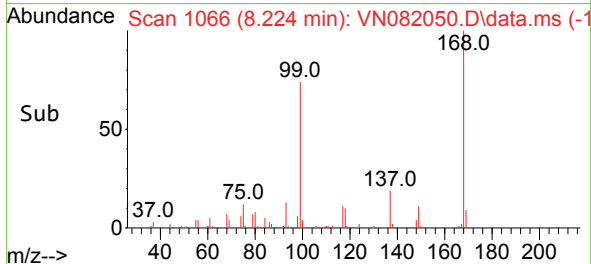
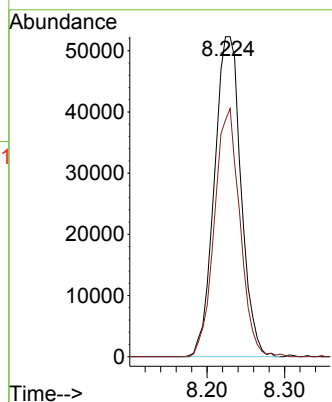
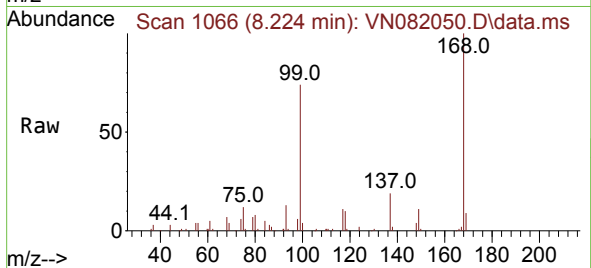
ClientSampleId :

Tgt Ion:168 Resp: 124837

Ion Ratio Lower Upper

168 100

99 73.9 48.2 72.4#



#5

Bromomethane

Concen: Below Cal

RT: 2.965 min Scan# 172

Delta R.T. 0.017 min

Lab File: VN082050.D

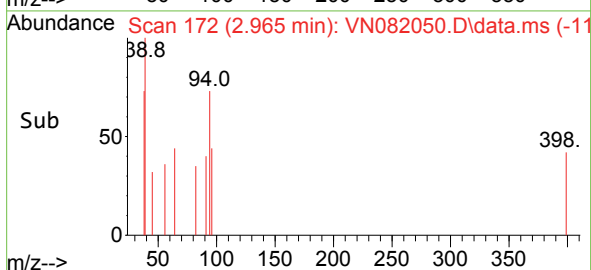
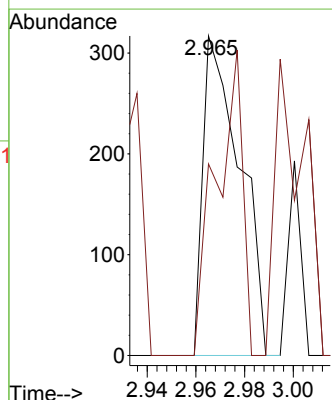
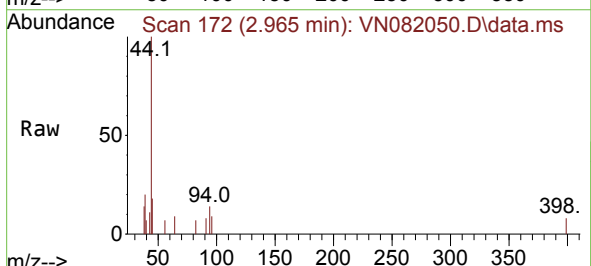
Acq: 09 May 2024 14:58

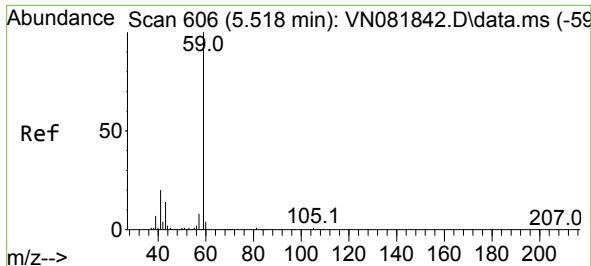
Tgt Ion: 94 Resp: 335

Ion Ratio Lower Upper

94 100

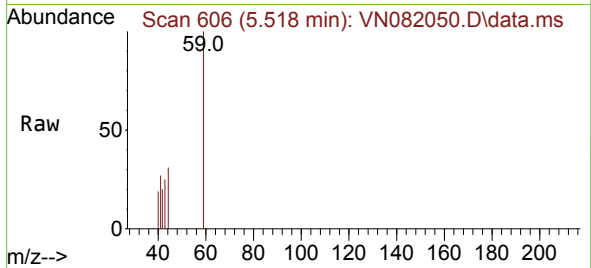
96 59.9 74.8 112.2#



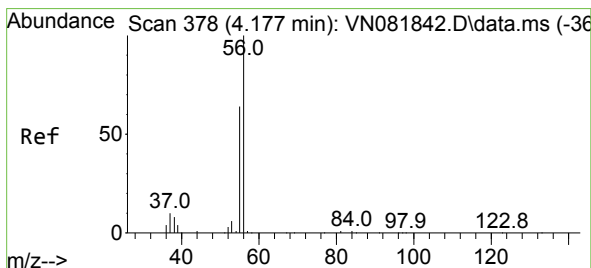
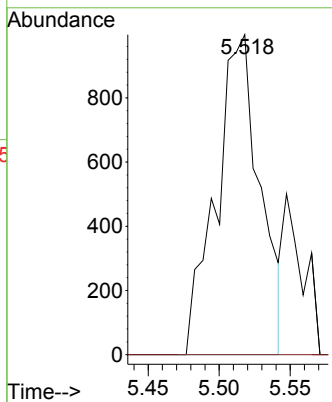
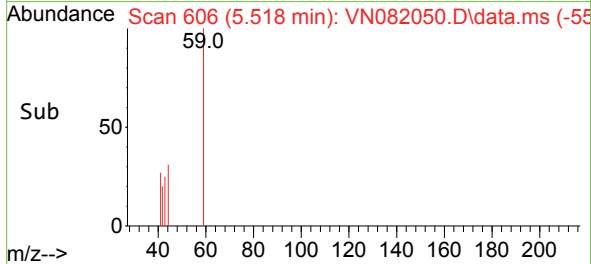


#11
Tert butyl alcohol
Concen: 5.590 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

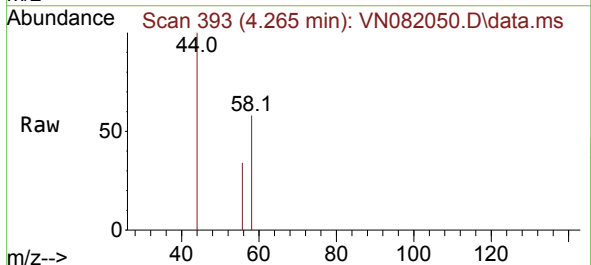
Instrument :
MSVOA_N
ClientSampleId :



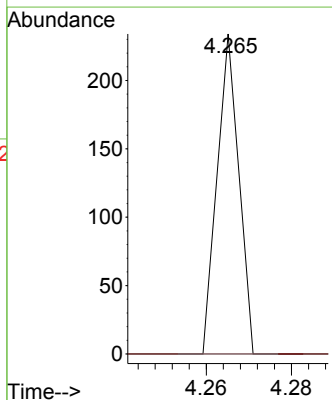
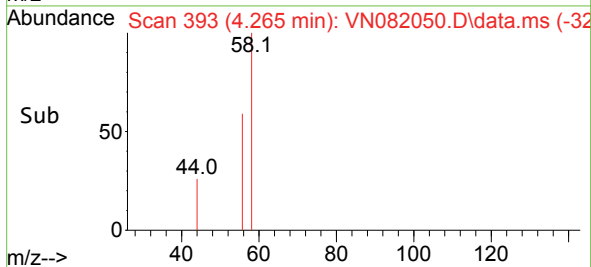
Tgt Ion: 59 Resp: 2141
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

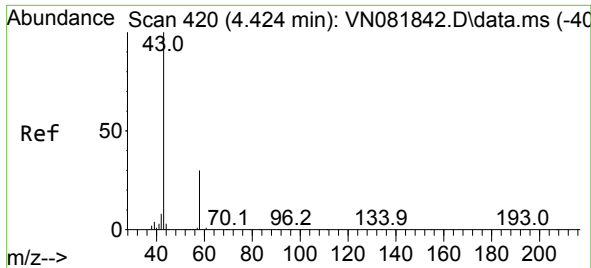


#13
Acrolein
Concen: Below Cal
RT: 4.265 min Scan# 393
Delta R.T. 0.088 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58



Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

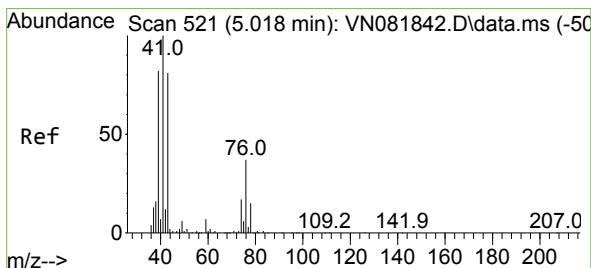
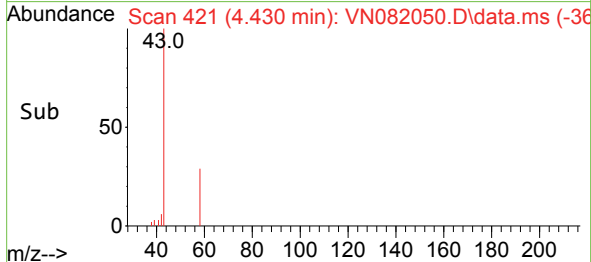
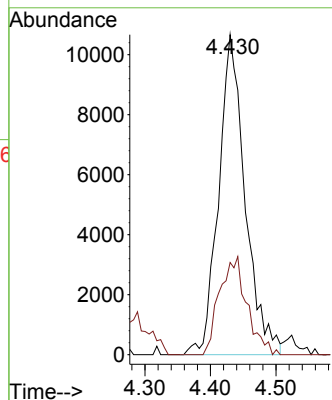
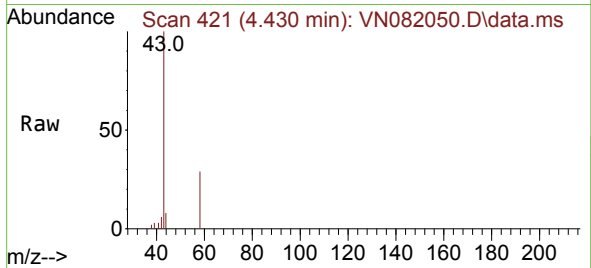




#16
Acetone
Concen: 43.512 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

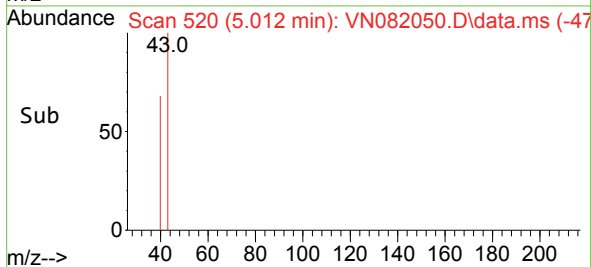
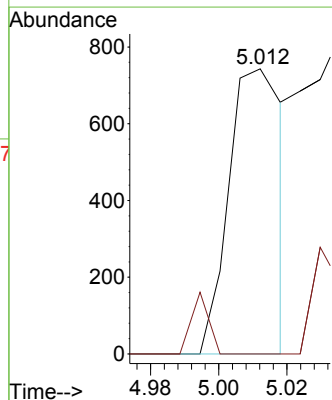
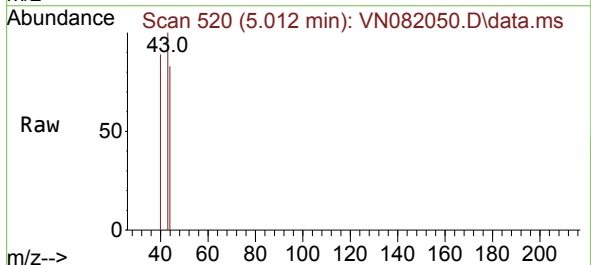
Instrument :
MSVOA_N
ClientSampleId :

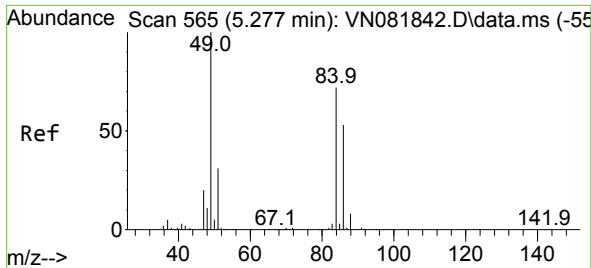
Tgt Ion: 43 Resp: 29923
Ion Ratio Lower Upper
43 100
58 28.8 25.2 37.8



#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
74 19.9 22.2 33.2#

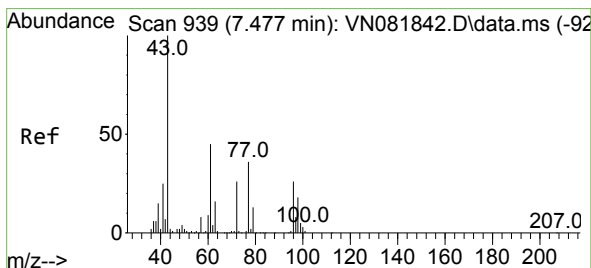
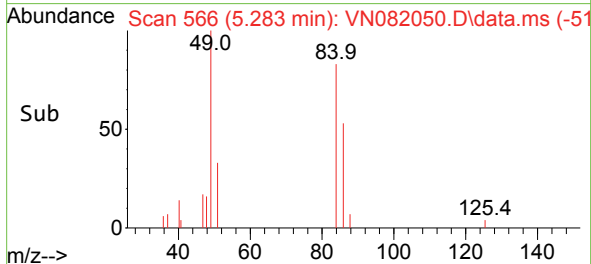
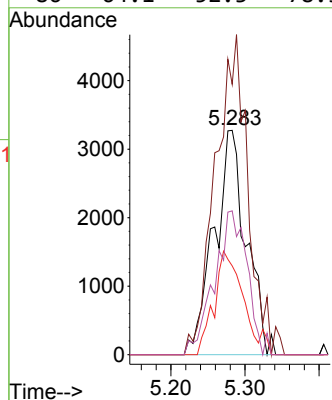
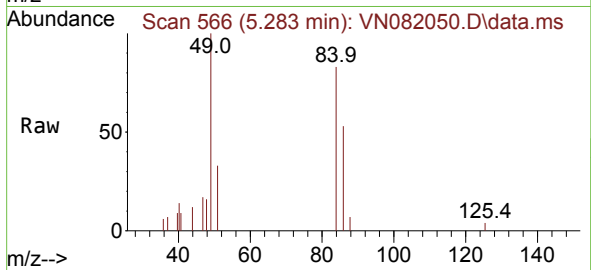




#20
Methylene Chloride
Concen: 5.466 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

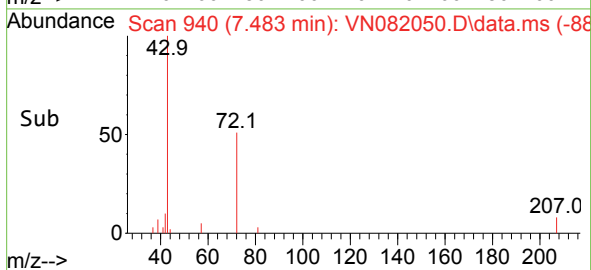
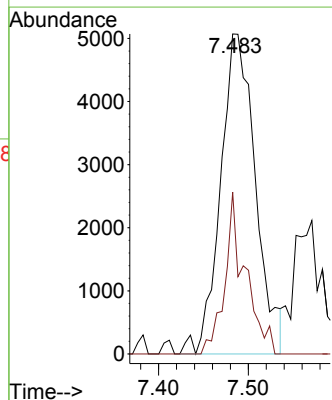
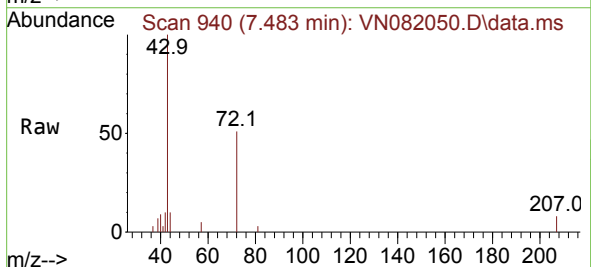
Instrument :
MSVOA_N
ClientSampleId :

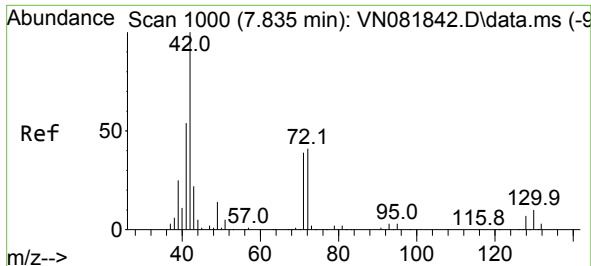
Tgt Ion:	84	Resp:	9869
Ion	Ratio	Lower	Upper
84	100		
49	120.5	84.9	127.3
51	39.6	27.0	40.6
86	64.1	52.3	78.5



#25
2-Butanone
Concen: 11.465 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

Tgt Ion:	43	Resp:	13710
Ion	Ratio	Lower	Upper
43	100		
72	50.6	25.3	37.9#

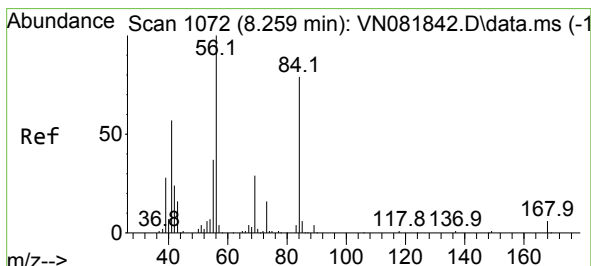
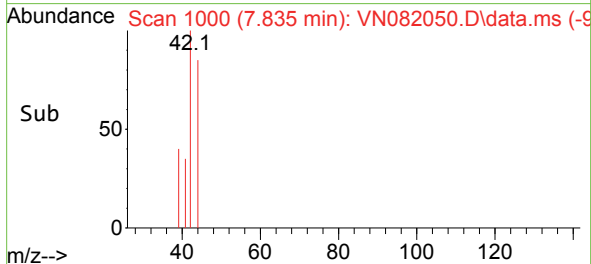
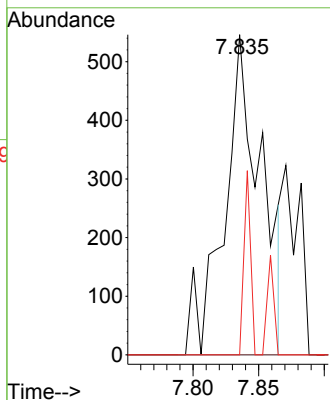
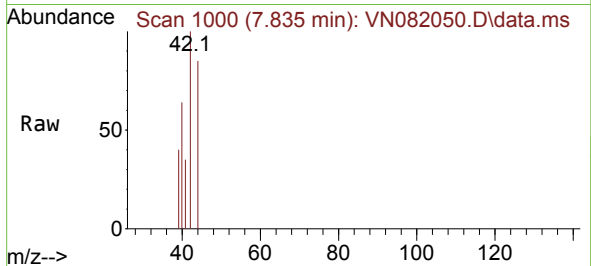




#29
Tetrahydrofuran
Concen: 1.256 ug/l
RT: 7.835 min Scan# 1077
Delta R.T. 0.000 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

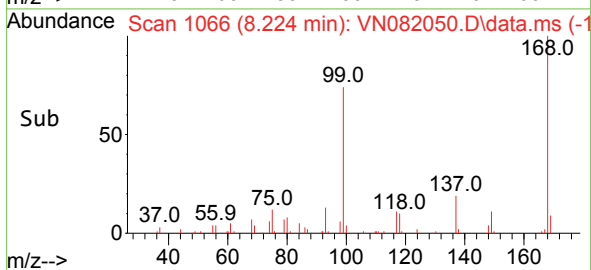
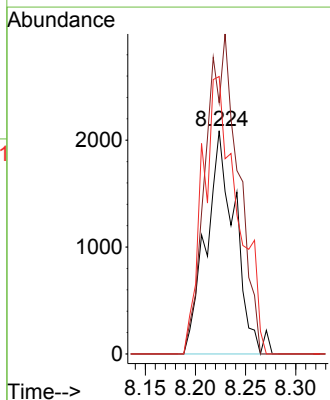
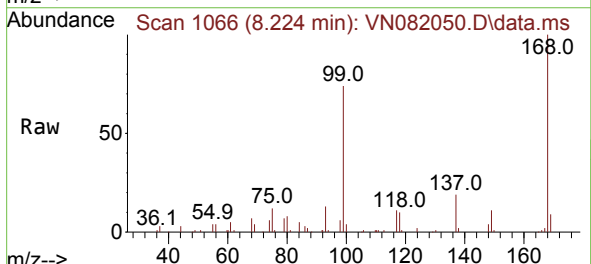
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ClientSampleId :

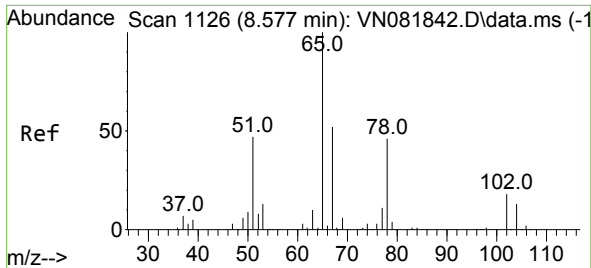
Tgt Ion: 42 Resp: 1077
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 10.3 37.4 56.0#



#31
Cyclohexane
Concen: 1.327 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

Tgt Ion: 56 Resp: 4213
Ion Ratio Lower Upper
56 100
69 112.6 24.4 36.6#
84 124.3 77.0 115.4#

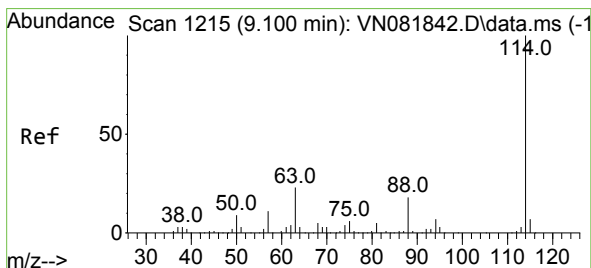
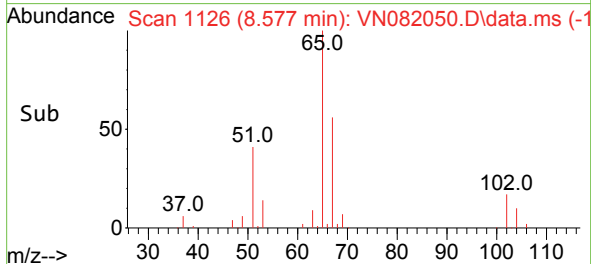
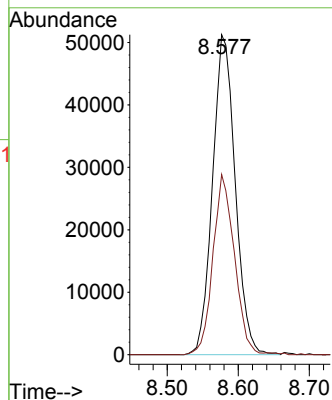
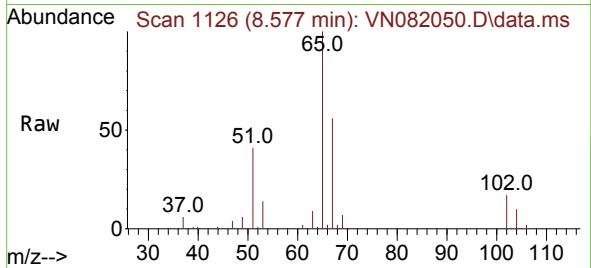




#33
 1,2-Dichloroethane-d4
 Concen: 53.880 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN082050.D
 Acq: 09 May 2024 14:58

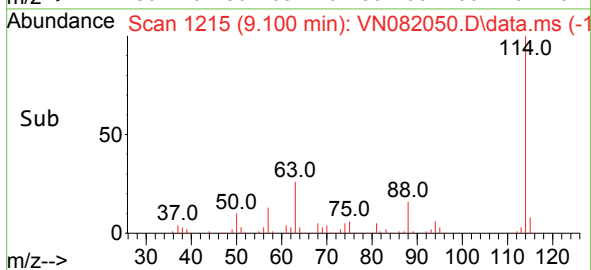
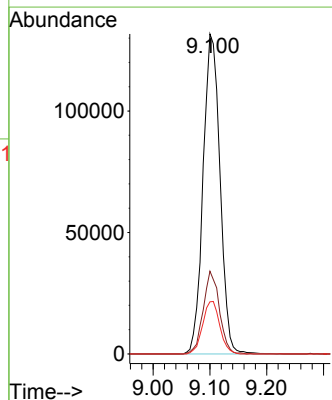
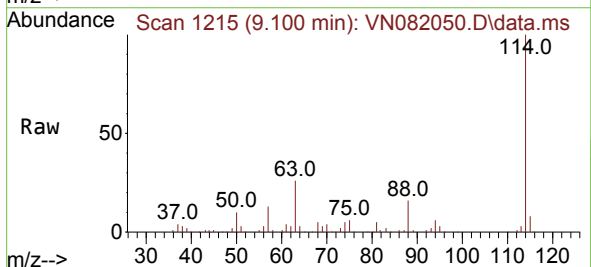
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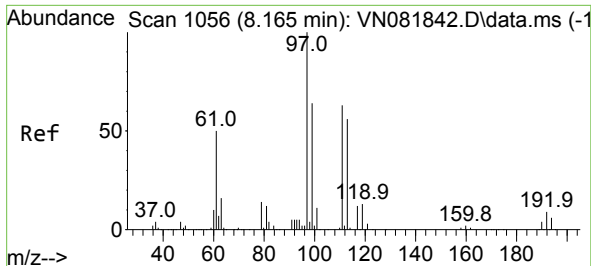
Tgt Ion: 65 Resp: 113521
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN082050.D
 Acq: 09 May 2024 14:58

Tgt Ion: 114 Resp: 271982
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 41.0
 88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.729 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

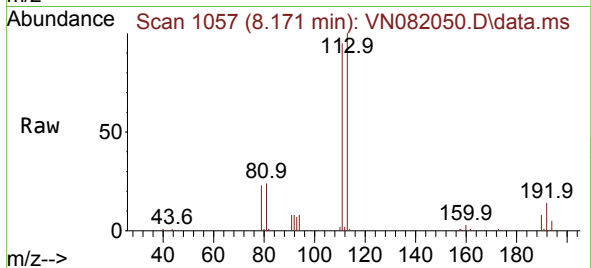
Lab File: VN082050.D

Acq: 09 May 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :



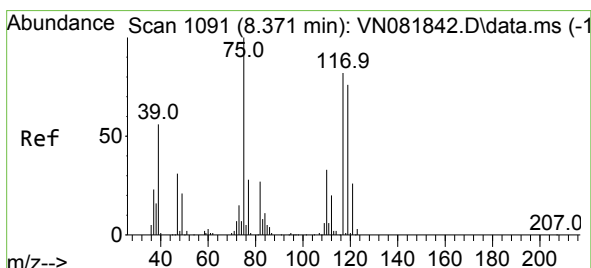
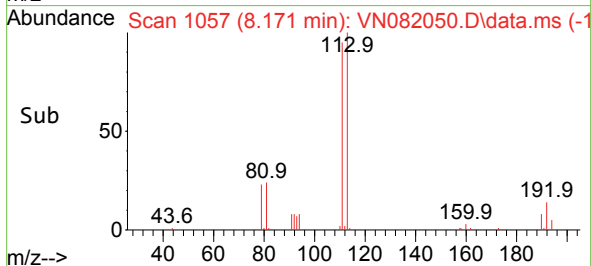
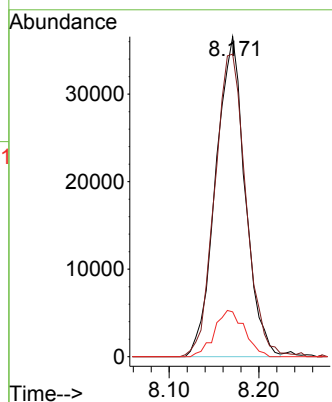
Tgt Ion:113 Resp: 83072

Ion Ratio Lower Upper

113 100

111 100.6 83.4 125.2

192 14.9 14.0 21.0



#36

1,1-Dichloropropene

Concen: 5.411 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082050.D

Acq: 09 May 2024 14:58

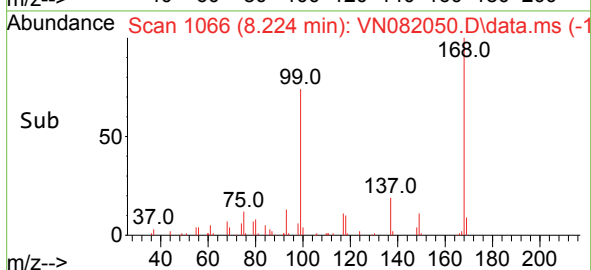
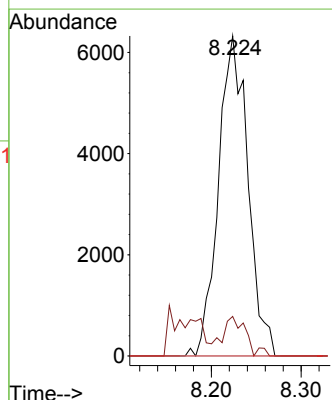
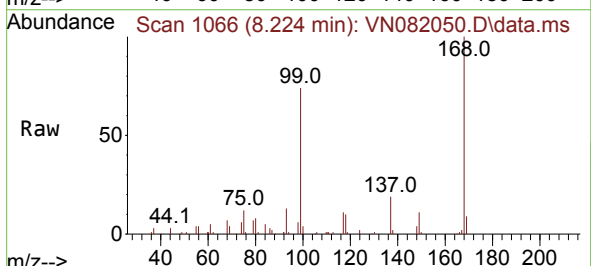
Tgt Ion: 75 Resp: 14416

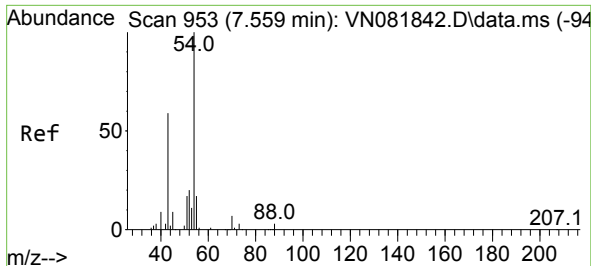
Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.5#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.563 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

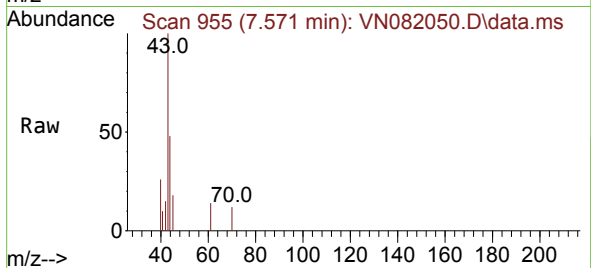
Lab File: VN082050.D

Acq: 09 May 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :



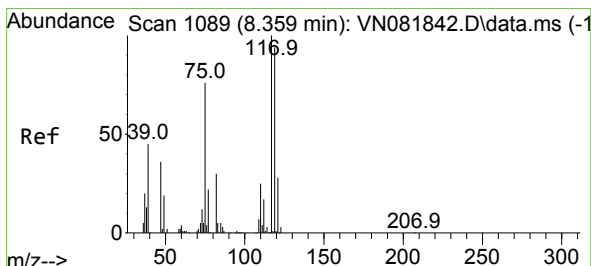
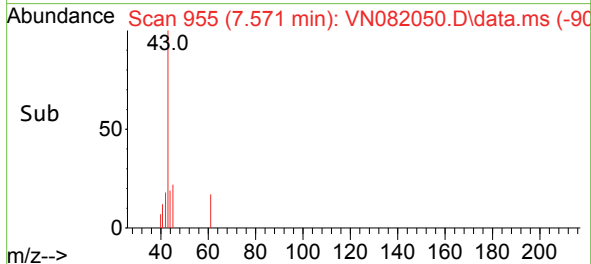
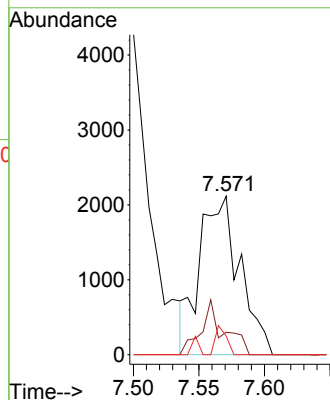
Tgt Ion: 43 Resp: 4503

Ion Ratio Lower Upper

43 100

61 19.8 11.3 16.9#

70 5.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.459 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN082050.D

Acq: 09 May 2024 14:58

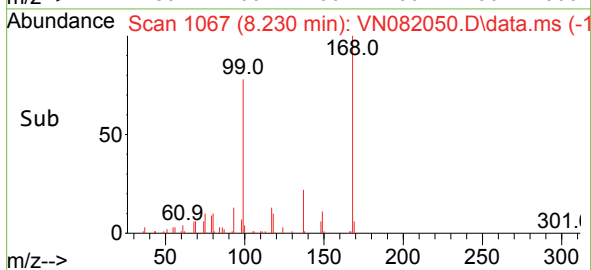
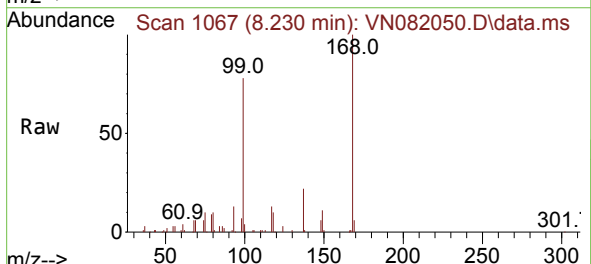
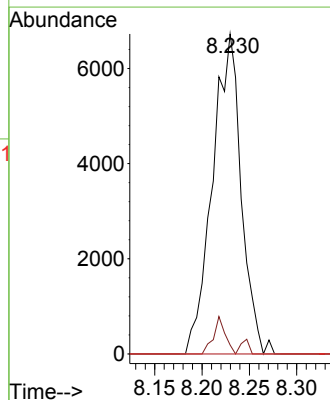
Tgt Ion: 117 Resp: 14214

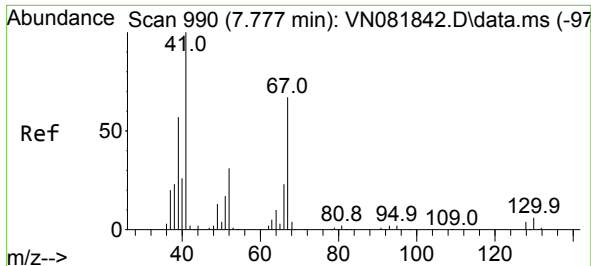
Ion Ratio Lower Upper

117 100

119 2.8 76.5 114.7#

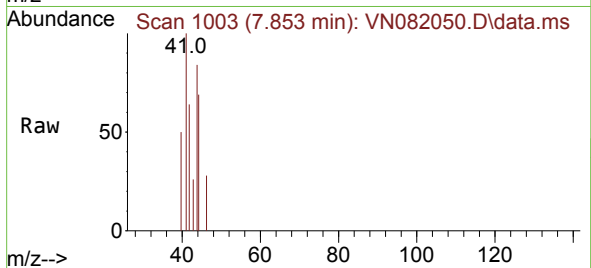
121 0.0 23.9 35.9#



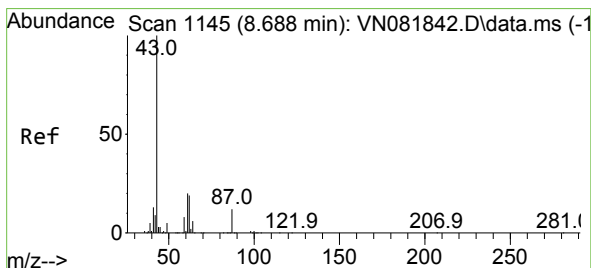
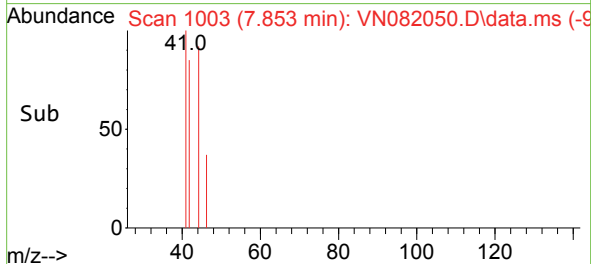
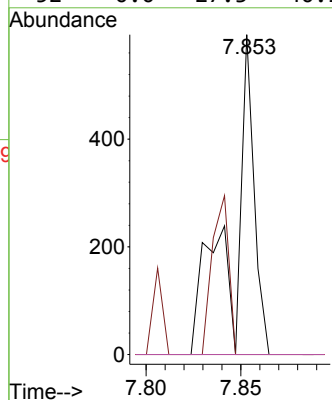


#41
Methacrylonitrile
Concen: 0.267 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :

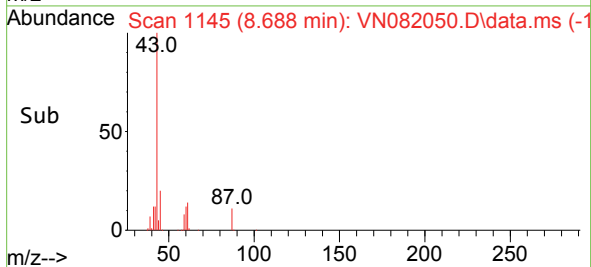
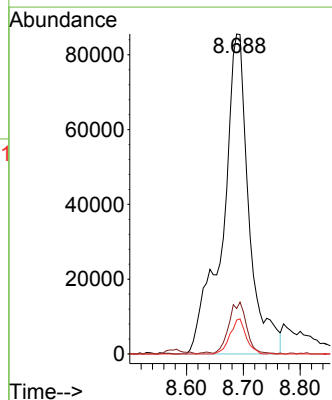
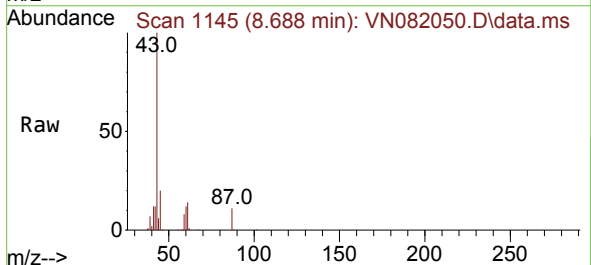


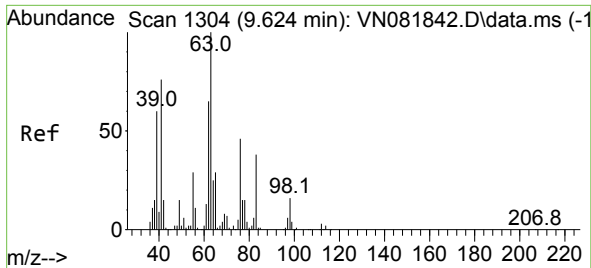
Tgt Ion:	41	Resp:	491
Ion Ratio	100	Lower	Upper
39	36.9	46.6	69.8#
67	0.0	67.3	100.9#
52	0.0	27.3	40.9#



#43
Isopropyl Acetate
Concen: 50.730 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

Tgt Ion:	43	Resp:	274760
Ion Ratio	100	Lower	Upper
61	11.0	22.8	34.2#
87	6.7	12.0	18.0#





#45

1,2-Dichloropropane

Concen: 0.748 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN082050.D

Acq: 09 May 2024 14:58

Instrument :

MSVOA_N

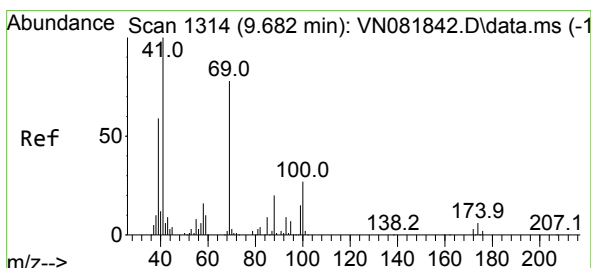
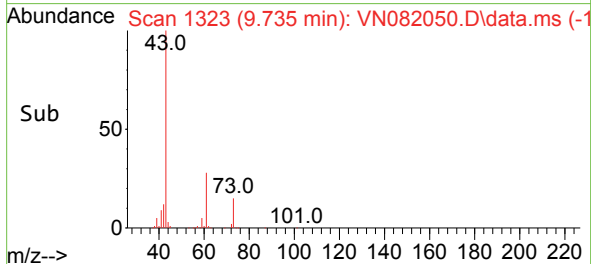
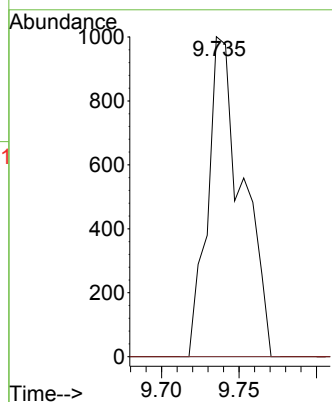
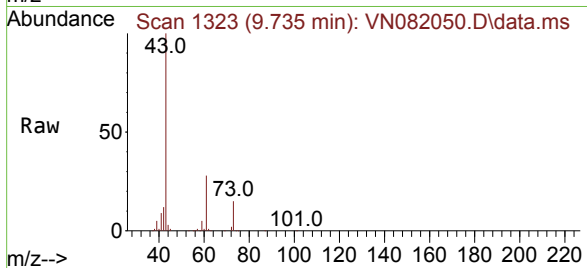
ClientSampleId :

Tgt Ion: 63 Resp: 1565

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 2.122 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082050.D

Acq: 09 May 2024 14:58

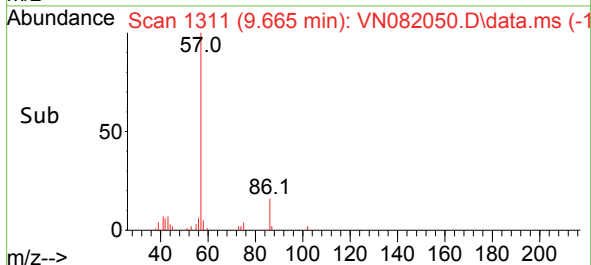
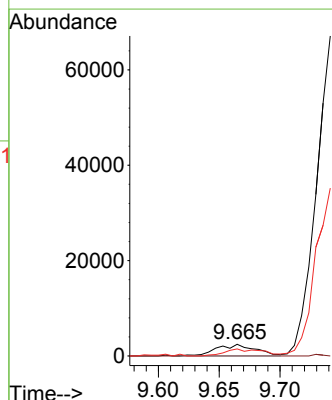
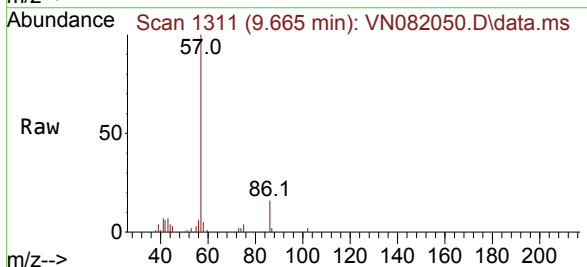
Tgt Ion: 41 Resp: 5487

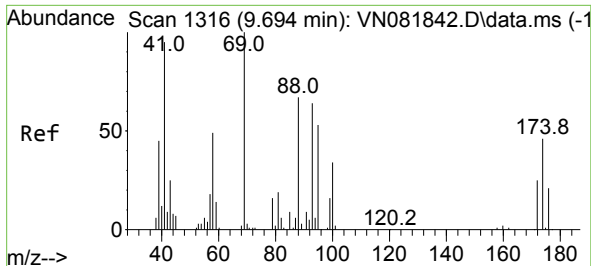
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 58.2 50.9 76.3





#49

1,4-Dioxane

Concen: 1.349 ug/l

RT: 9.871 min Scan# 1

Delta R.T. 0.176 min

Lab File: VN082050.D

Acq: 09 May 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :

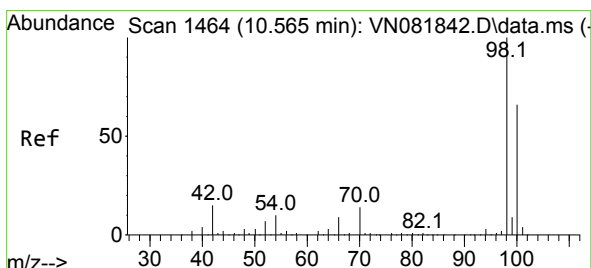
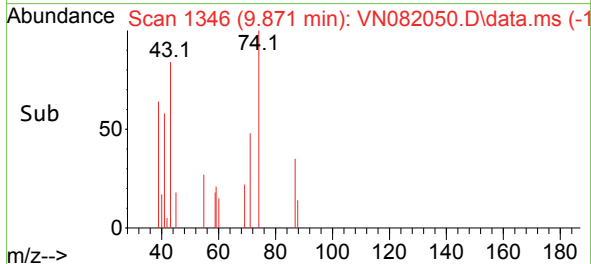
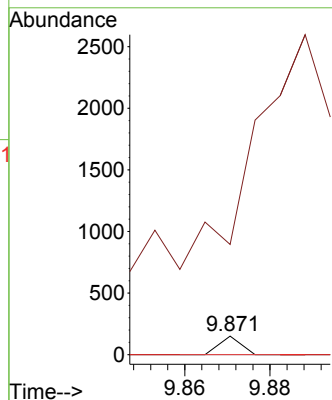
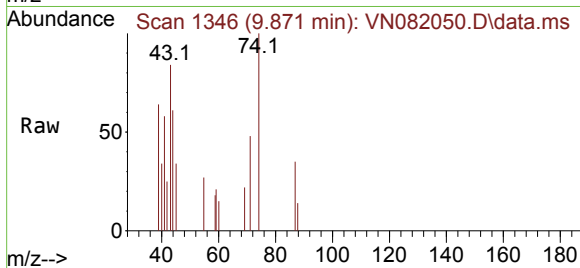
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 50.6 76.0#



#50

Toluene-d8

Concen: 55.592 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN082050.D

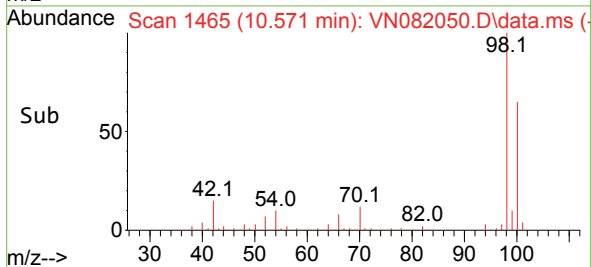
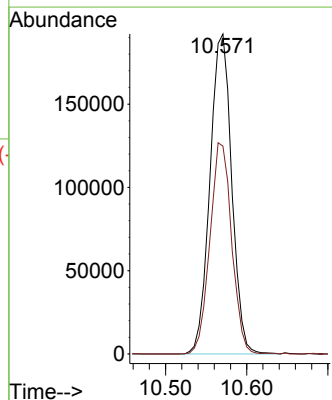
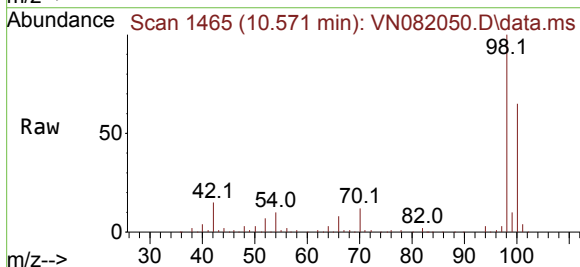
Acq: 09 May 2024 14:58

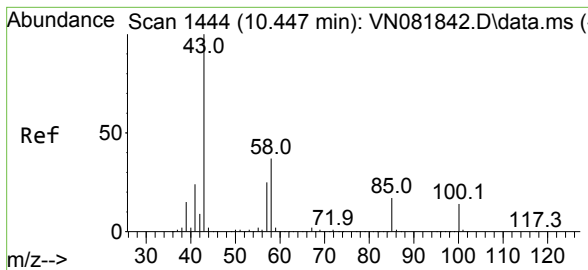
Tgt Ion: 98 Resp: 357539

Ion Ratio Lower Upper

98 100

100 65.9 51.8 77.6

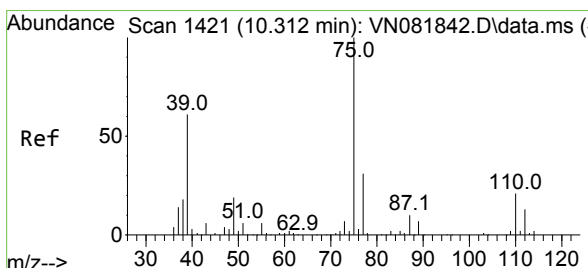
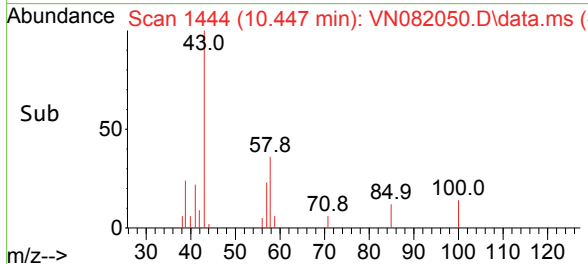
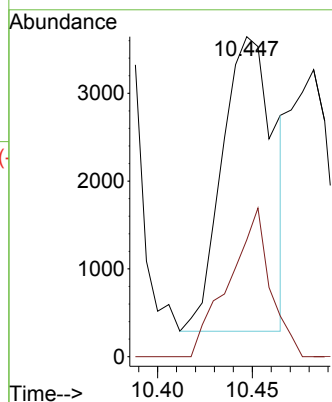
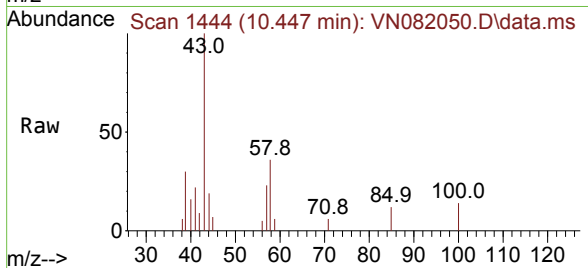




#51
4-Methyl-2-Pentanone
Concen: 2.105 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

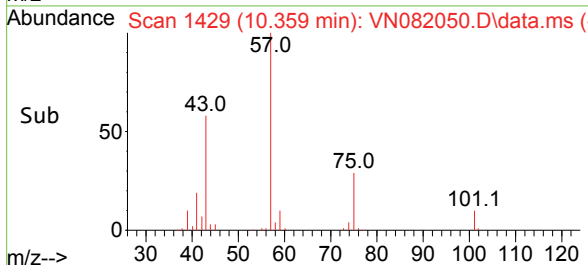
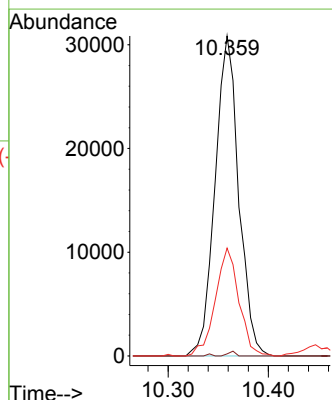
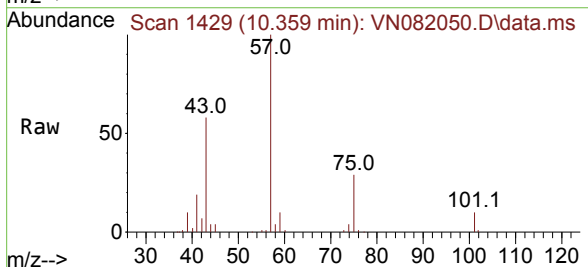
Instrument :
MSVOA_N
ClientSampleId :

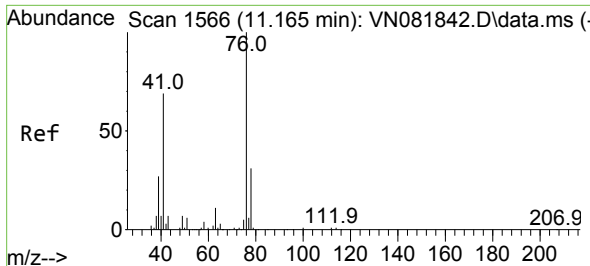
Tgt Ion: 43 Resp: 6419
Ion Ratio Lower Upper
43 100
58 39.9 33.2 49.8



#54
cis-1,3-Dichloropropene
Concen: 14.778 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

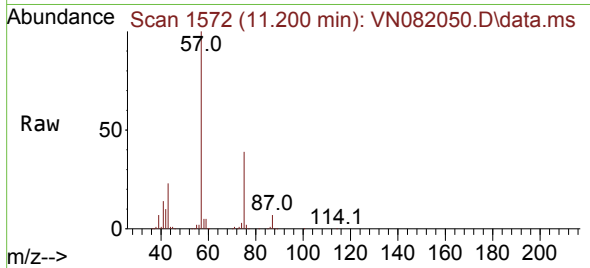
Tgt Ion: 75 Resp: 50562
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.4#
39 33.7 34.8 52.2#



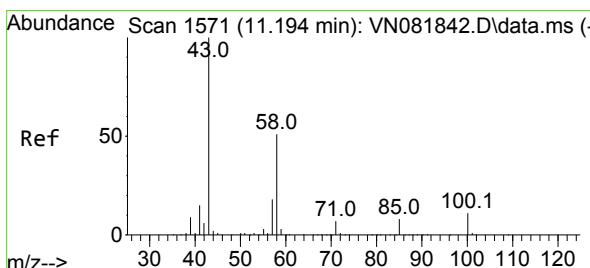
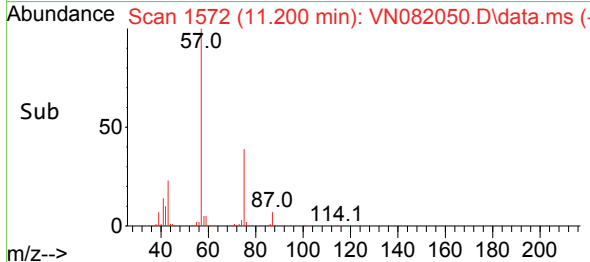
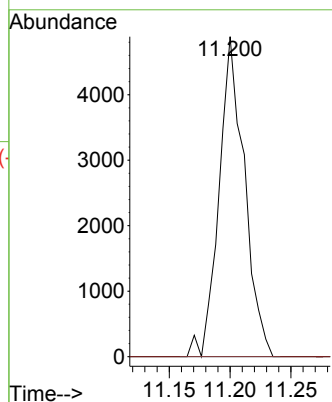


#57
1,3-Dichloropropane
Concen: 2.119 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :

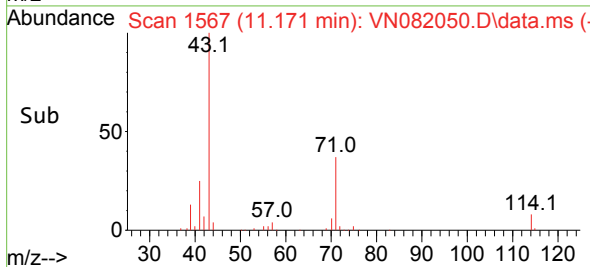
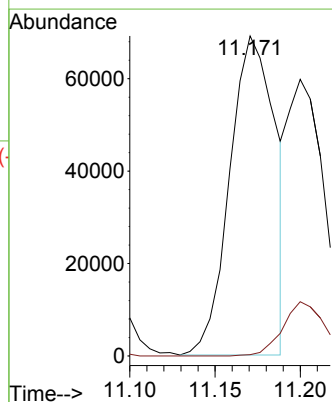
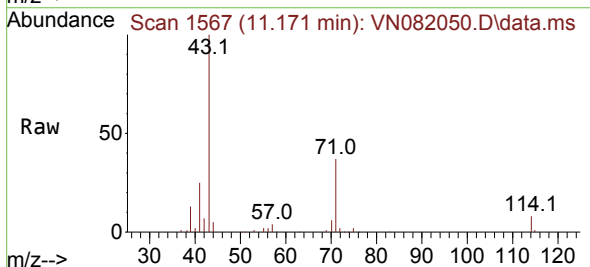


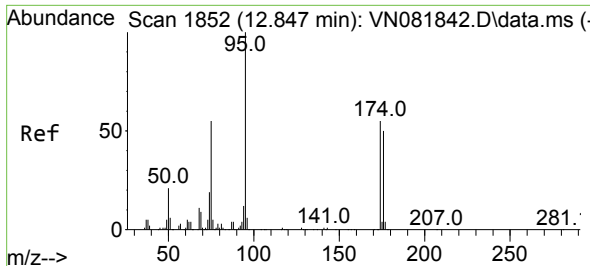
Tgt Ion: 76 Resp: 7095
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 56.565 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

Tgt Ion: 43 Resp: 128348
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

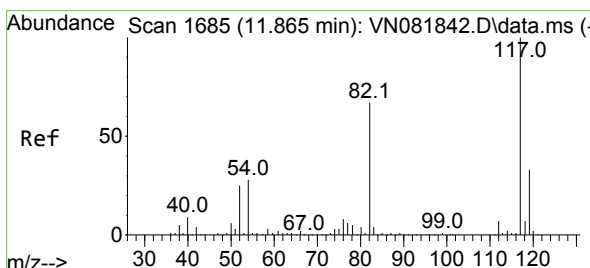
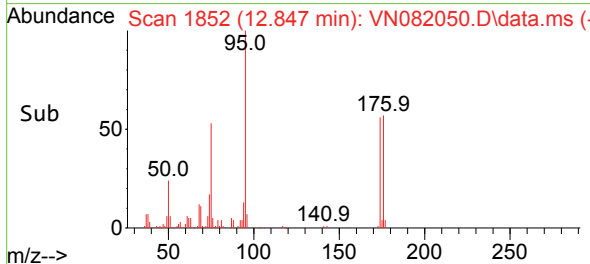
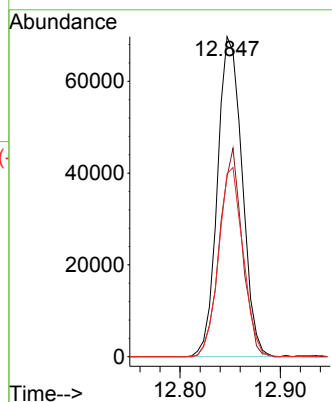
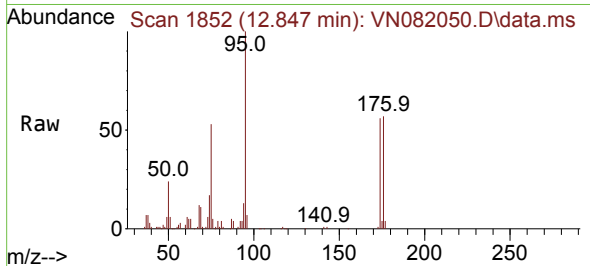




#62
4-Bromofluorobenzene
Concen: 46.750 ug/l
RT: 12.847 min Scan# 118856
Delta R.T. 0.000 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

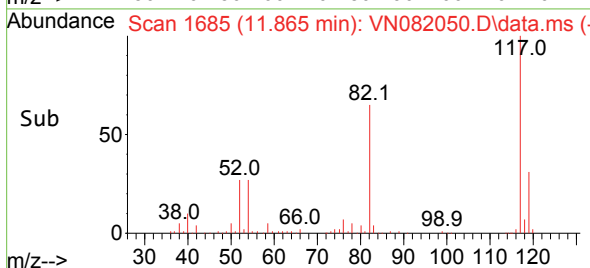
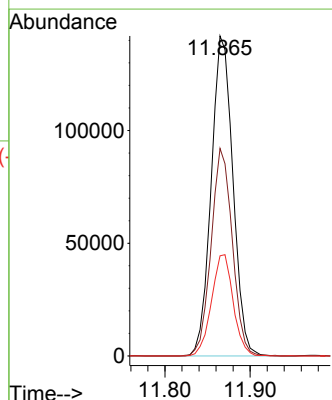
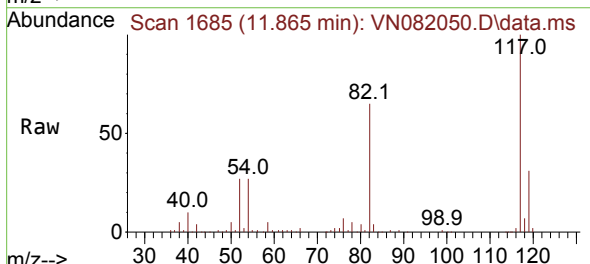
Instrument :
MSVOA_N
ClientSampleId :

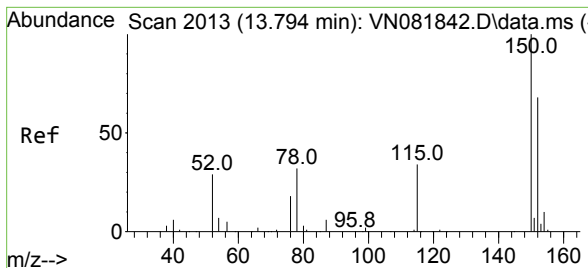
Tgt Ion	Ratio	Lower	Upper
95	100		
174	60.0	0.0	160.6
176	58.9	0.0	152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.8	44.6	66.8
119	31.3	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN082050.D

Acq: 09 May 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :

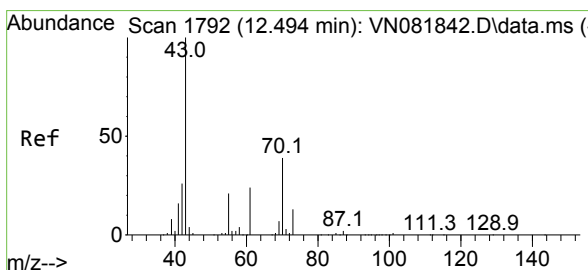
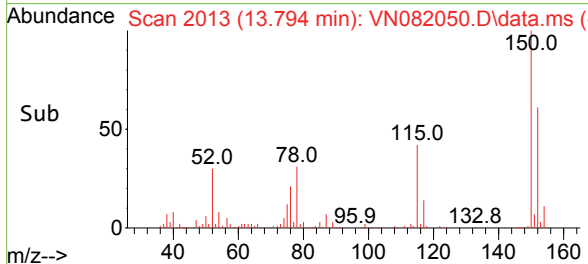
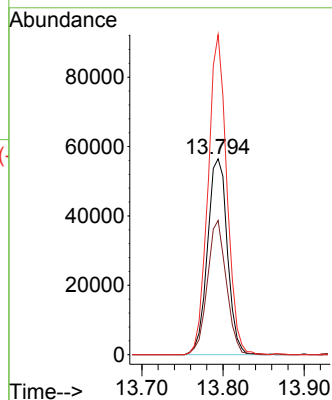
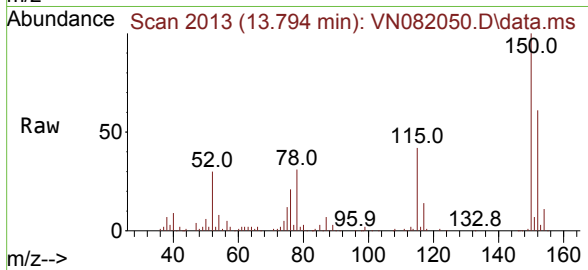
Tgt Ion:152 Resp: 95921

Ion Ratio Lower Upper

152 100

115 65.7 30.4 91.3

150 154.4 0.0 353.2



#74

N-ethyl acetate

Concen: 0.482 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN082050.D

Acq: 09 May 2024 14:58

Tgt Ion: 43 Resp: 2289

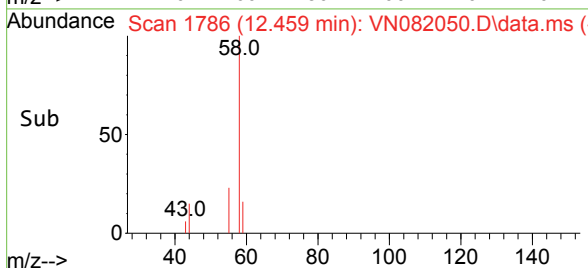
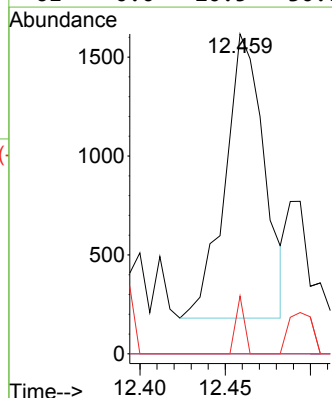
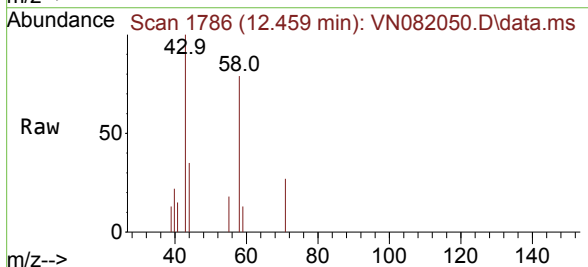
Ion Ratio Lower Upper

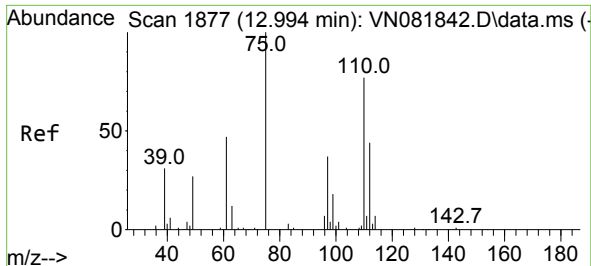
43 100

70 0.0 39.0 58.4#

55 4.5 21.3 31.9#

61 0.0 20.5 30.7#

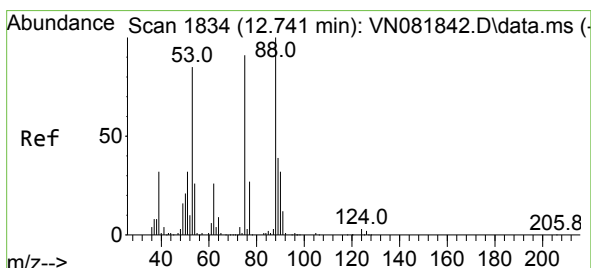
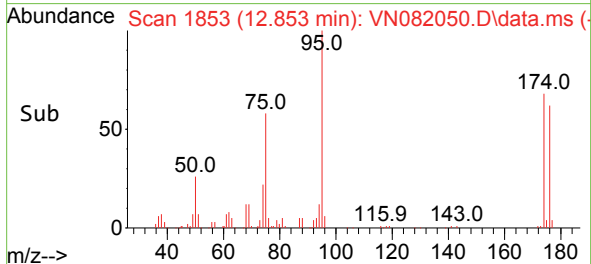
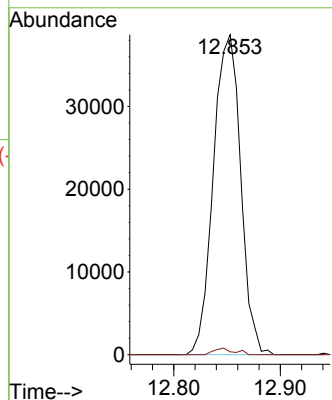
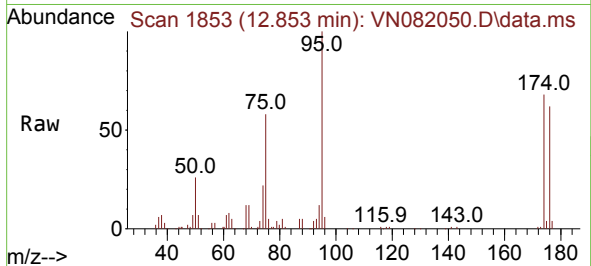




#76
1,2,3-Trichloropropane
Concen: 27.666 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 68805
Ion Ratio Lower Upper
75 100
77 1.5 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.690 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082050.D
Acq: 09 May 2024 14:58

Tgt Ion: 75 Resp: 68805
Ion Ratio Lower Upper
75 100
53 0.2 72.9 109.3#
89 0.0 39.1 58.7#

