

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082297.D
 Acq On : 22 May 2024 17:02
 Operator : JC\MD
 Sample : PB161037ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:54:39 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)

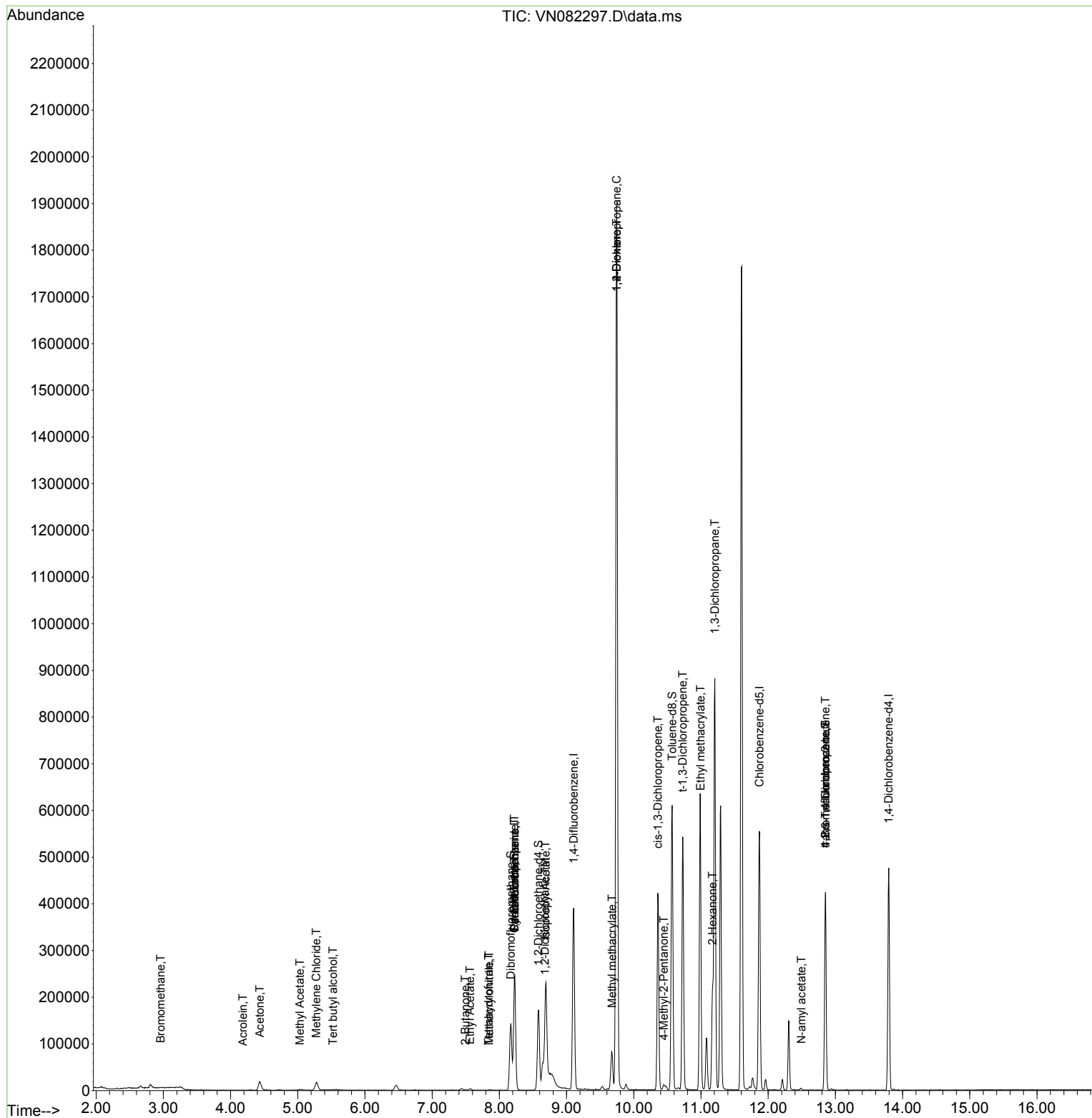
Internal Standards						
1) Pentafluorobenzene	8.230	168	171331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	306901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	289903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143806	53.156	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.320%			
35) Dibromofluoromethane	8.171	113	100691	53.335	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.660%			
50) Toluene-d8	10.571	98	391625	54.106	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.220%			
62) 4-Bromofluorobenzene	12.853	95	134380	52.016	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 104.040%			
Target Compounds					Qvalue	
5) Bromomethane	2.959	94	308	0.204	ug/l #	3
11) Tert butyl alcohol	5.524	59	293	0.675	ug/l #	71
13) Acrolein	4.183	56	116	0.360	ug/l #	15
16) Acetone	4.436	43	36623	33.000	ug/l	90
18) Methyl Acetate	5.030	43	4534	1.640	ug/l #	50
20) Methylene Chloride	5.277	84	11798	5.269	ug/l #	76
25) 2-Butanone	7.494	43	2978	1.770	ug/l #	75
29) Tetrahydrofuran	7.841	42	974	0.902	ug/l #	33
31) Cyclohexane	8.224	56	5076	1.175	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	16124	5.092	ug/l #	50
37) Ethyl Acetate	7.565	43	5449	1.538	ug/l #	85
38) Carbon Tetrachloride	8.224	117	18498	5.763	ug/l #	16
41) Methacrylonitrile	7.847	41	421	0.202	ug/l #	27
42) 1,2-Dichloroethane	8.677	62	1349	0.371	ug/l #	73
43) Isopropyl Acetate	8.688	43	337248	53.712	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	2043	0.839	ug/l #	45
48) Methyl methacrylate	9.677	41	6037	2.018	ug/l #	40
49) 1,4-Dioxane	9.747	88	151	3.602	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	8950	2.509	ug/l #	84
53) t-1,3-Dichloropropene	10.729	75	987	0.283	ug/l #	84
54) cis-1,3-Dichloropropene	10.359	75	65298	17.665	ug/l #	76
56) Ethyl methacrylate	10.994	69	1762	0.504	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8068	2.096	ug/l #	42
59) 2-Hexanone	11.171	43	180069	68.936	ug/l #	23
74) N-amyl acetate	12.494	43	1736	0.341	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	79695	32.527	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	79695	76.080	ug/l #	12

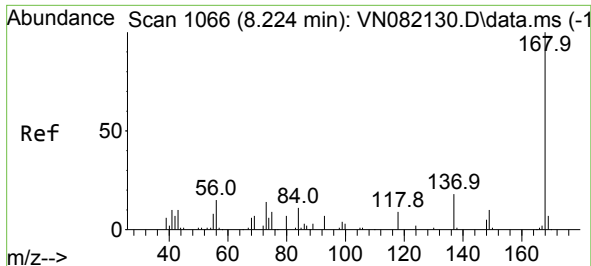
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

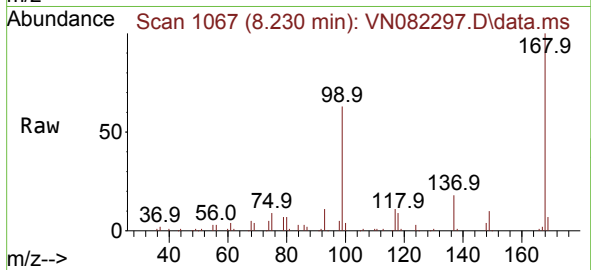
Quant Time: May 23 01:54:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
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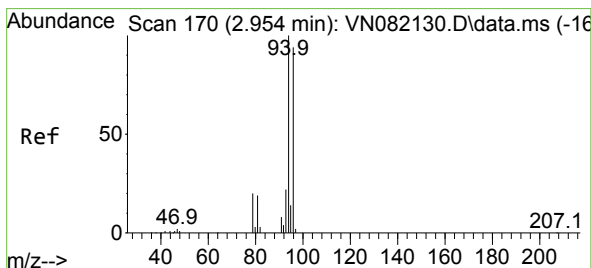
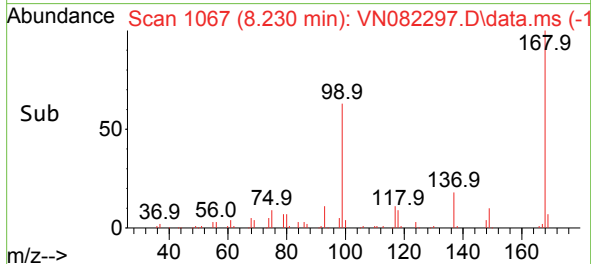
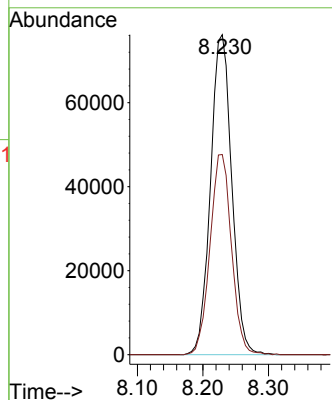


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

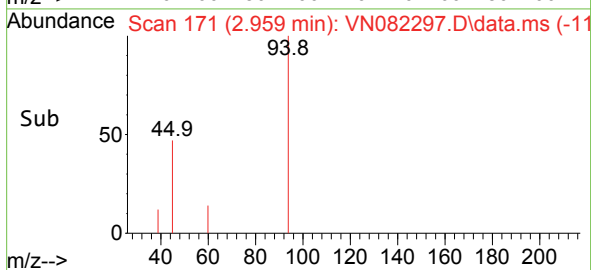
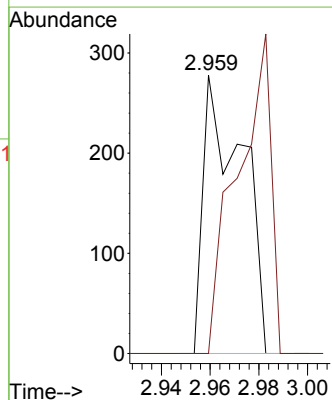
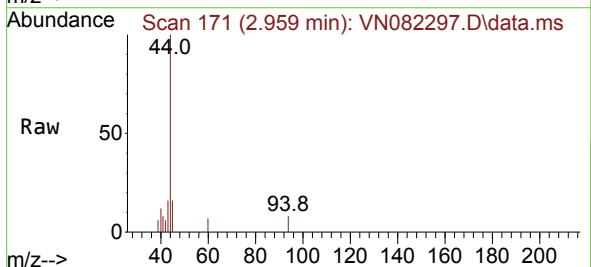


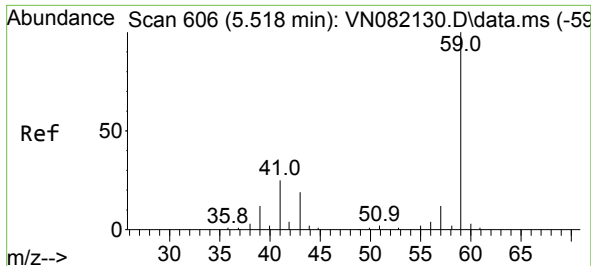
Tgt Ion:168 Resp: 171331
Ion Ratio Lower Upper
168 100
99 62.5 48.2 72.4



#5
Bromomethane
Concen: 0.204 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.006 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

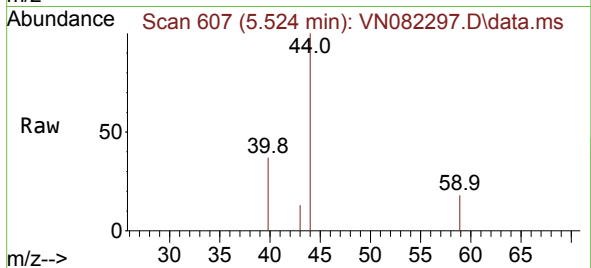
Tgt Ion: 94 Resp: 308
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



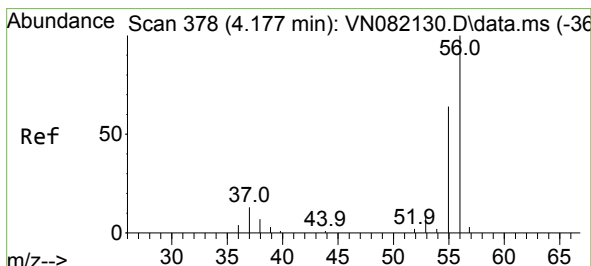
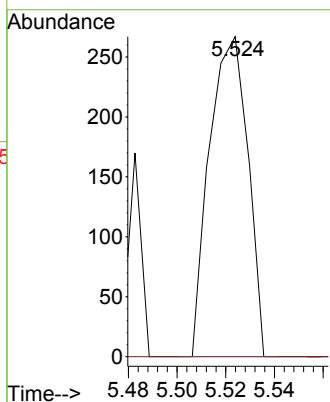
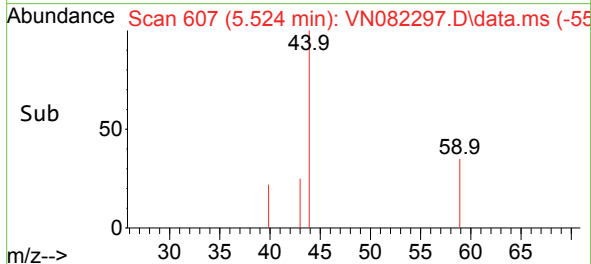


#11
Tert butyl alcohol
Concen: 0.675 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

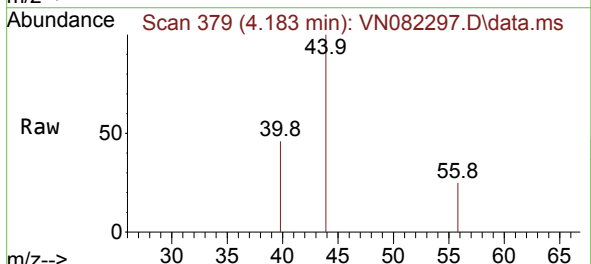
Instrument :
MSVOA_N
ClientSampleId :



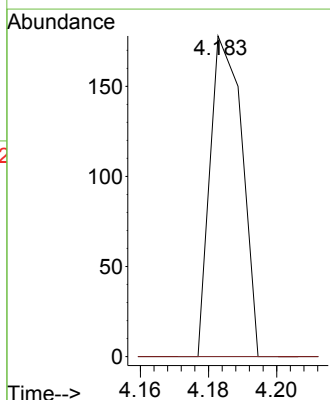
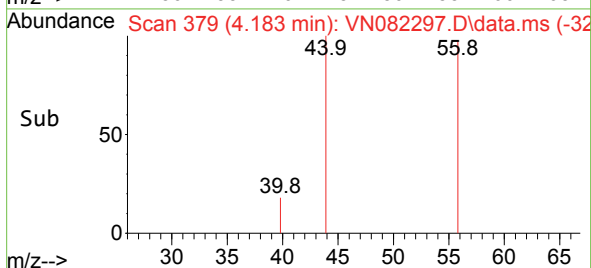
Tgt Ion: 59 Resp: 293
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

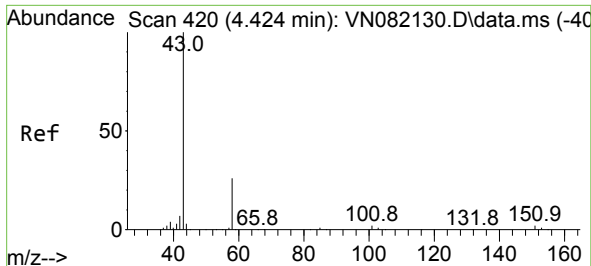


#13
Acrolein
Concen: 0.360 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02



Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

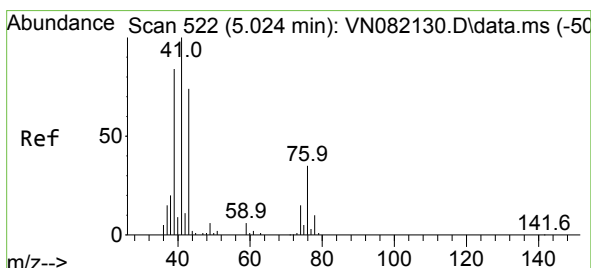
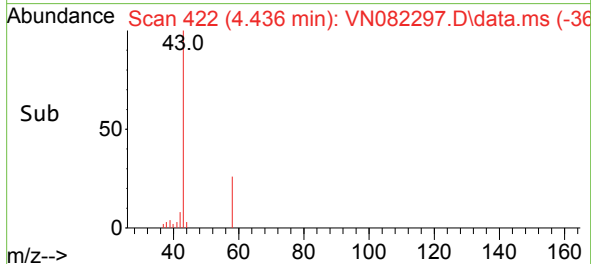
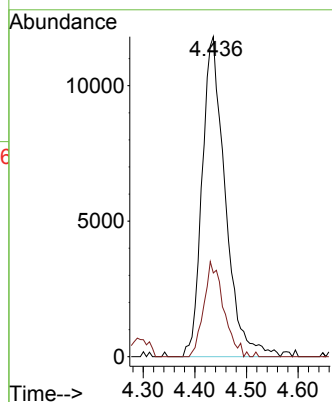
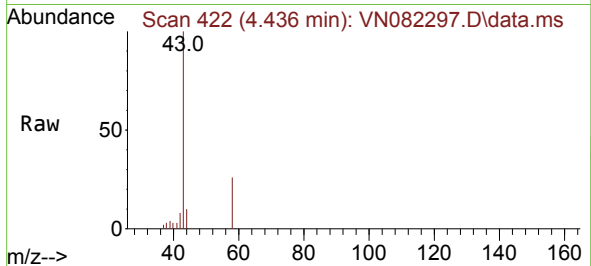




#16
Acetone
Concen: 33.000 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

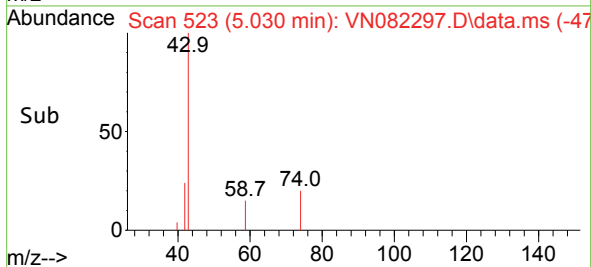
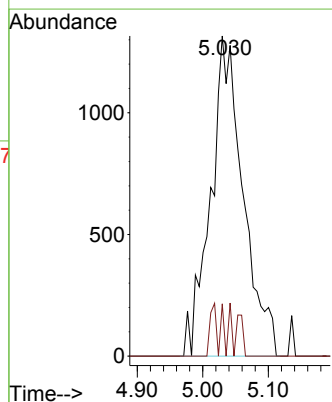
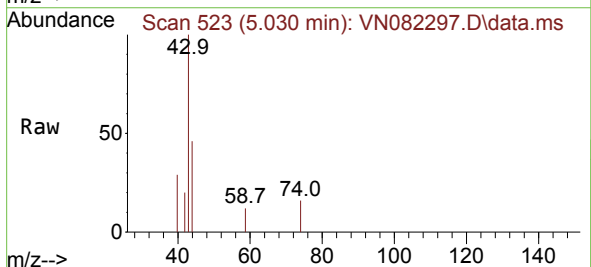
Instrument :
MSVOA_N
ClientSampleId :

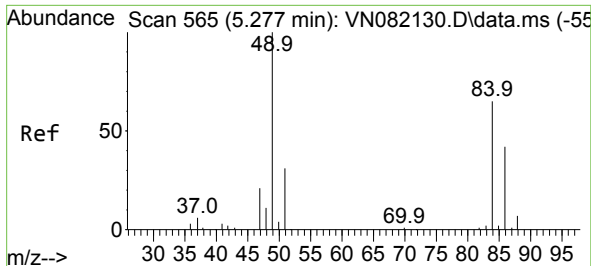
Tgt Ion: 43 Resp: 36623
Ion Ratio Lower Upper
43 100
58 26.2 25.2 37.8



#18
Methyl Acetate
Concen: 1.640 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

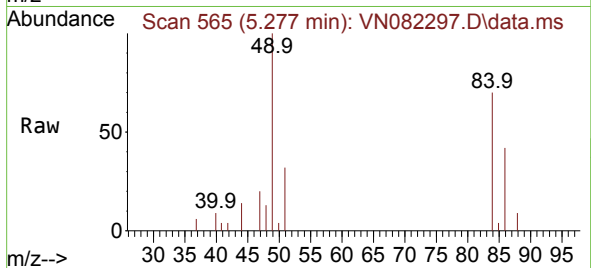
Tgt Ion: 43 Resp: 4534
Ion Ratio Lower Upper
43 100
74 1.7 22.2 33.2#



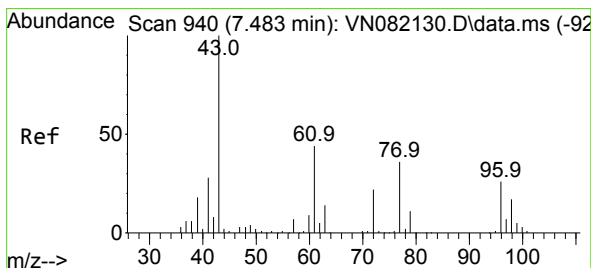
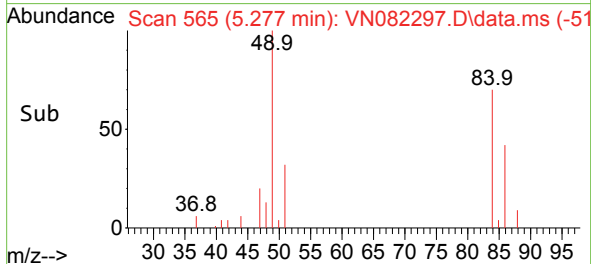
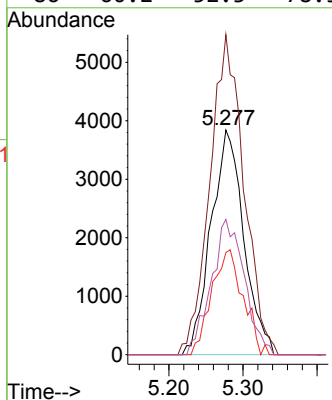


#20
Methylene Chloride
Concen: 5.269 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

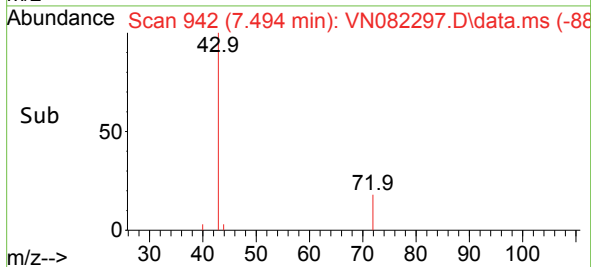
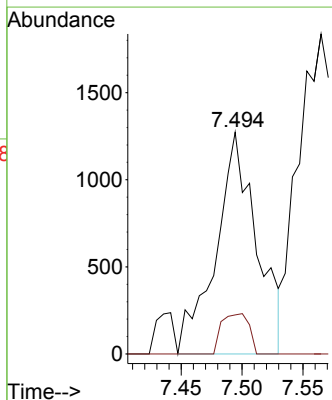
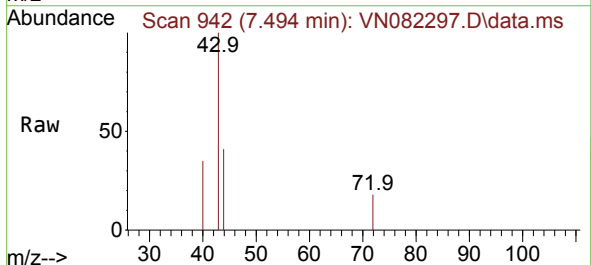


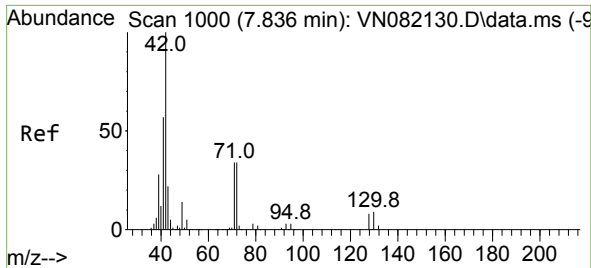
Tgt Ion:	84	Resp:	11798
Ion	Ratio	Lower	Upper
84	100		
49	142.5	84.9	127.3#
51	45.5	27.0	40.6#
86	60.2	52.3	78.5



#25
2-Butanone
Concen: 1.770 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

Tgt Ion:	43	Resp:	2978
Ion	Ratio	Lower	Upper
43	100		
72	17.6	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.902 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.005 min

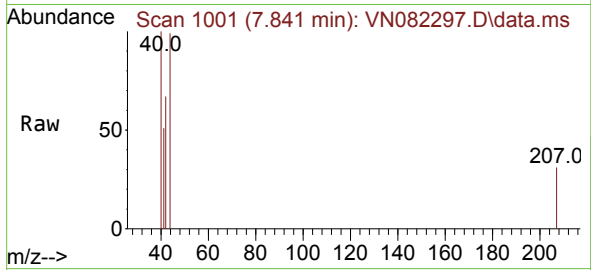
Lab File: VN082297.D

Acq: 22 May 2024 17:02

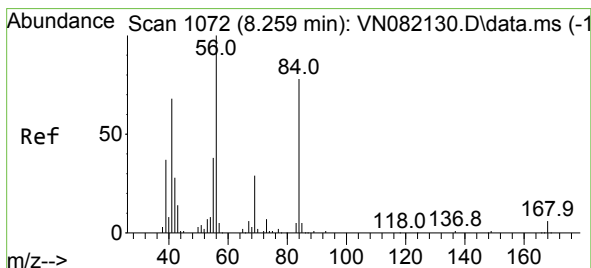
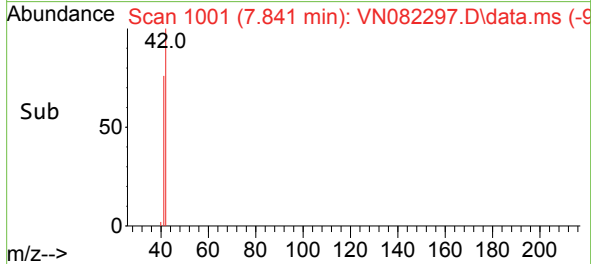
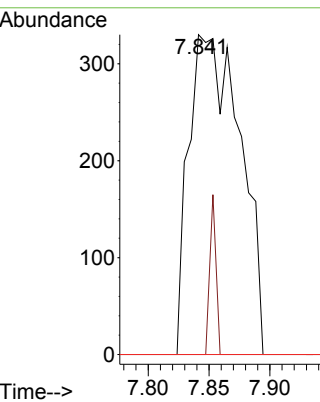
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	974
Ion Ratio	Lower	Upper	
42	100		
72	6.0	39.3	58.9#
71	0.0	37.4	56.0#



#31

Cyclohexane

Concen: 1.175 ug/l

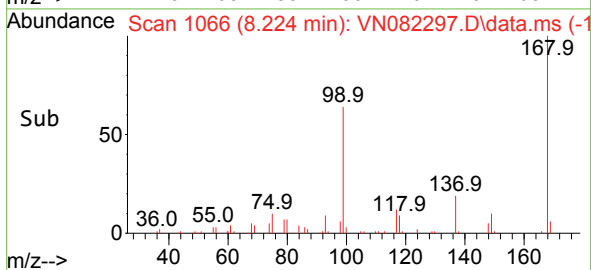
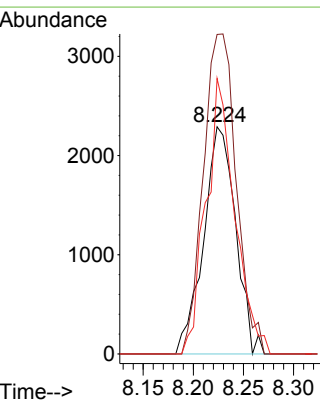
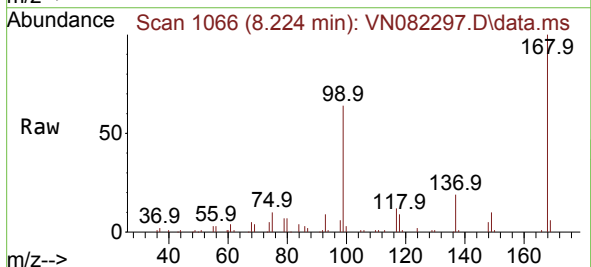
RT: 8.224 min Scan# 1066

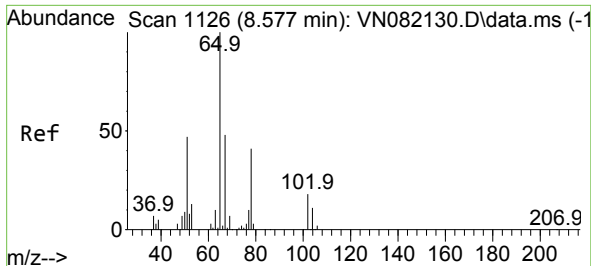
Delta R.T. -0.035 min

Lab File: VN082297.D

Acq: 22 May 2024 17:02

Tgt Ion:	56	Resp:	5076
Ion Ratio	Lower	Upper	
56	100		
69	140.7	24.4	36.6#
84	121.2	77.0	115.4#





#33

1,2-Dichloroethane-d4

Concen: 53.156 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082297.D

Acq: 22 May 2024 17:02

Instrument :

MSVOA_N

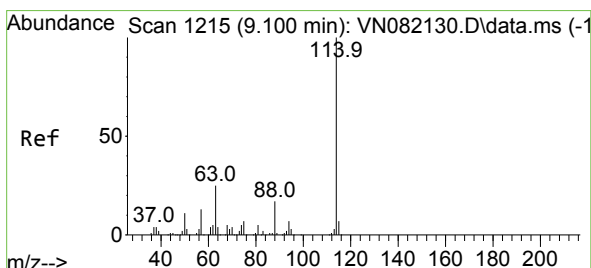
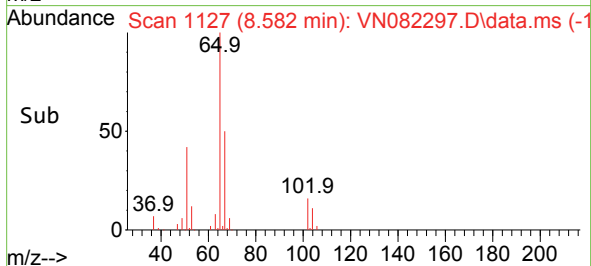
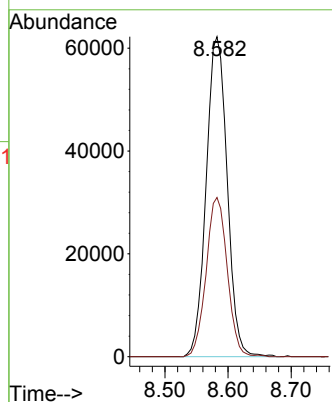
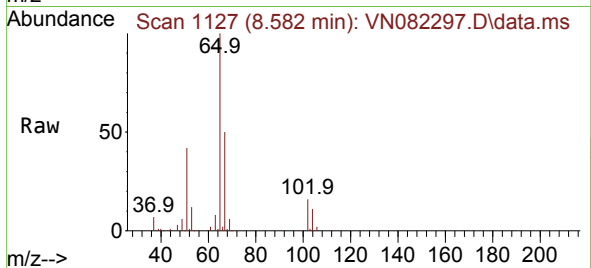
ClientSampleId :

Tgt Ion: 65 Resp: 143806

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082297.D

Acq: 22 May 2024 17:02

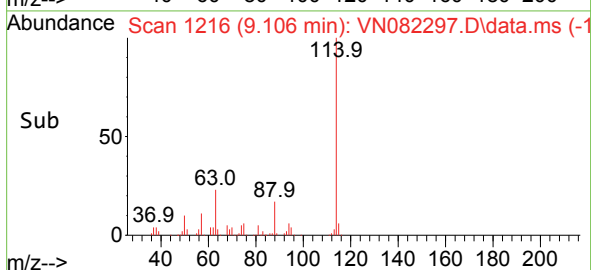
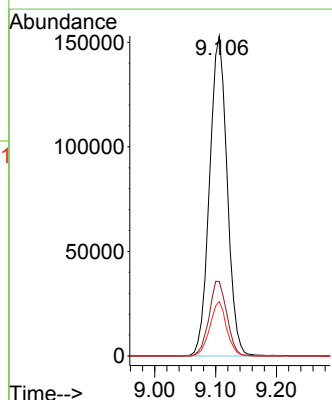
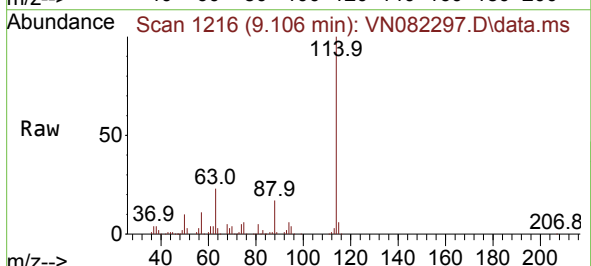
Tgt Ion: 114 Resp: 306901

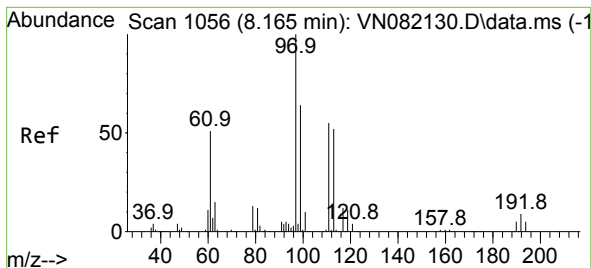
Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.0

88 17.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.335 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

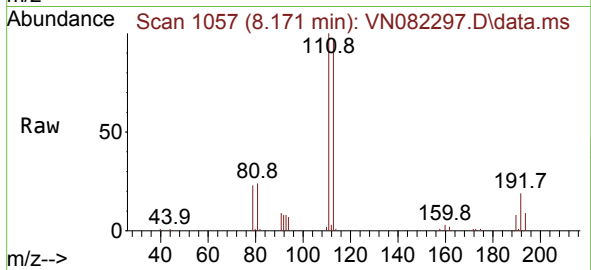
Lab File: VN082297.D

Acq: 22 May 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :



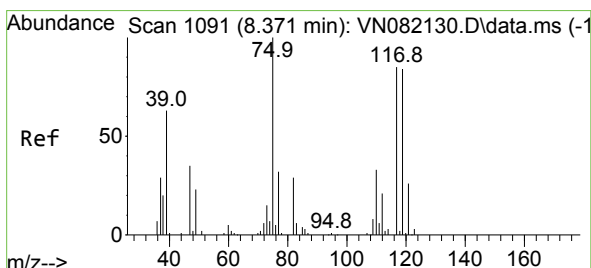
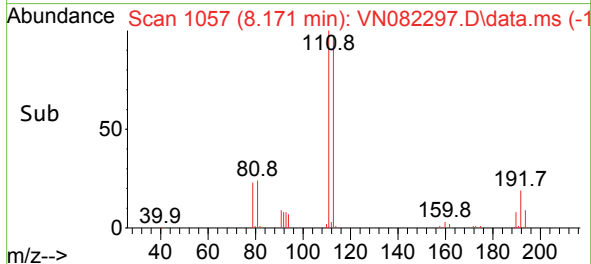
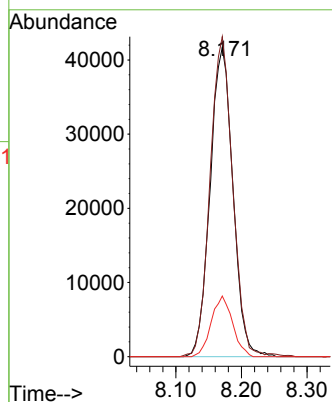
Tgt Ion:113 Resp: 100691

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.2

192 18.3 14.0 21.0



#36

1,1-Dichloropropene

Concen: 5.092 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082297.D

Acq: 22 May 2024 17:02

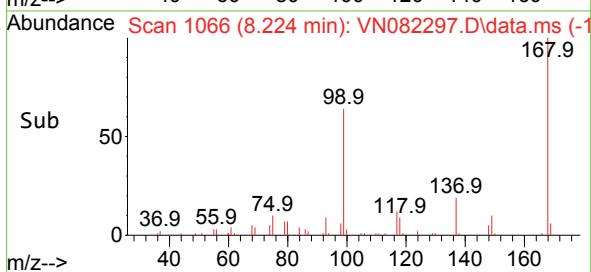
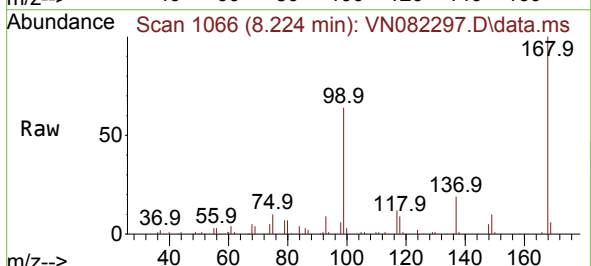
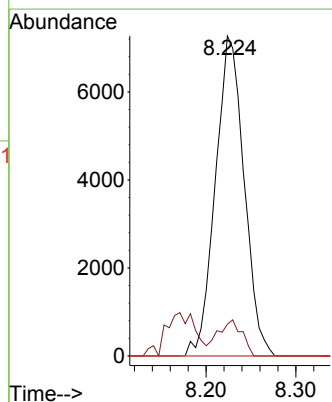
Tgt Ion: 75 Resp: 16124

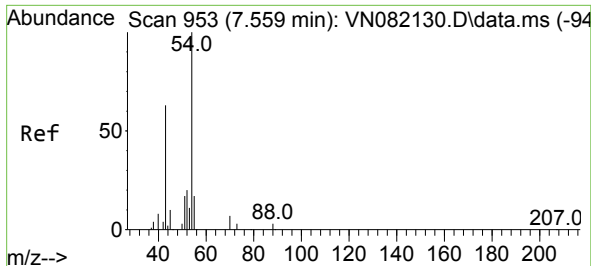
Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.538 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

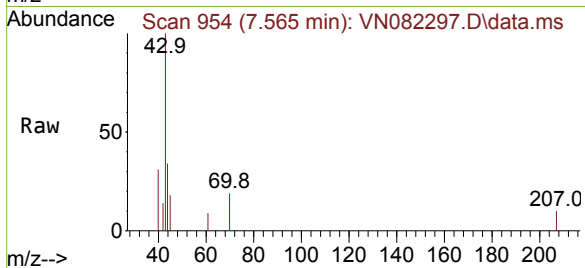
Lab File: VN082297.D

Acq: 22 May 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :



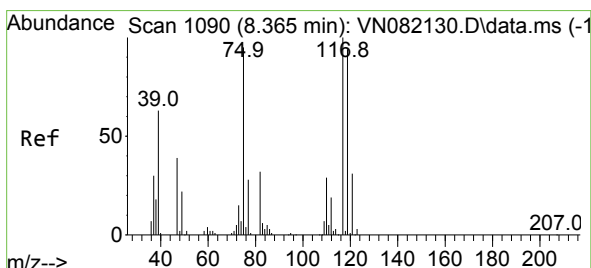
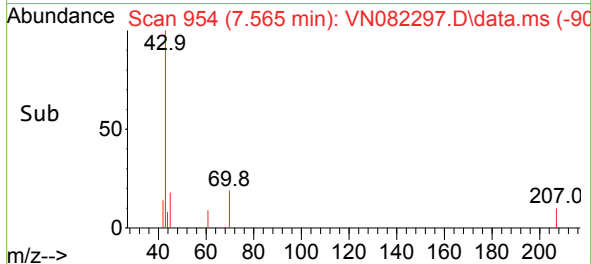
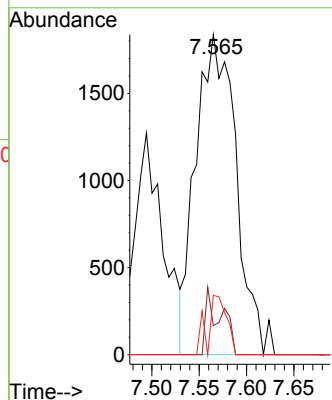
Tgt Ion: 43 Resp: 5449

Ion Ratio Lower Upper

43 100

61 4.8 11.3 16.9#

70 8.7 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.763 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082297.D

Acq: 22 May 2024 17:02

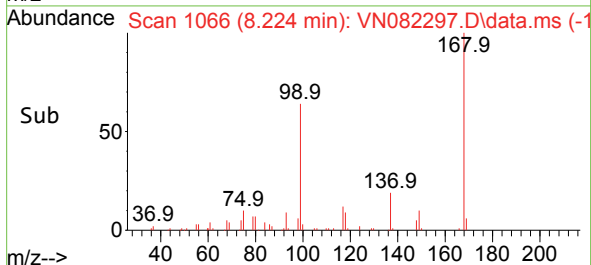
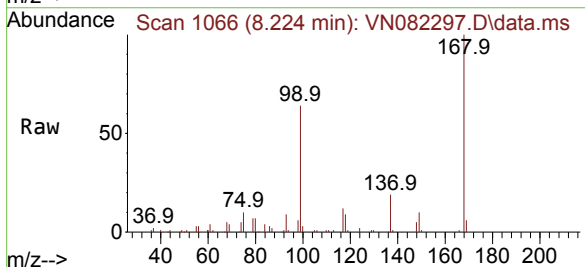
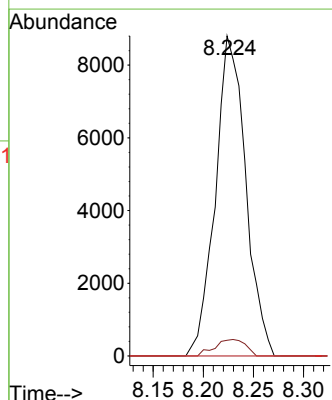
Tgt Ion: 117 Resp: 18498

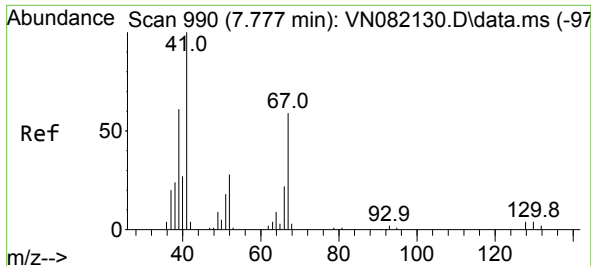
Ion Ratio Lower Upper

117 100

119 4.9 76.5 114.7#

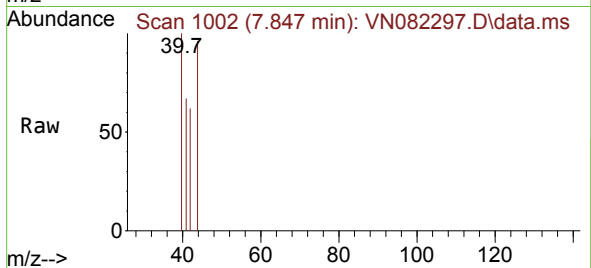
121 0.0 23.9 35.9#



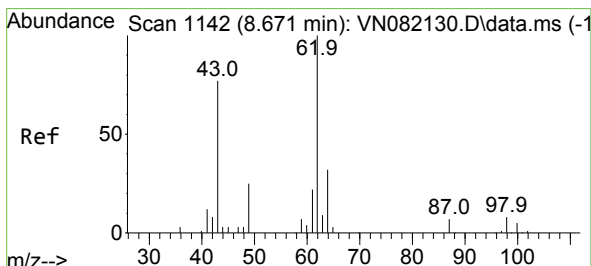
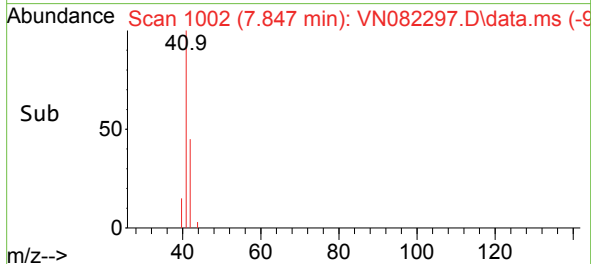
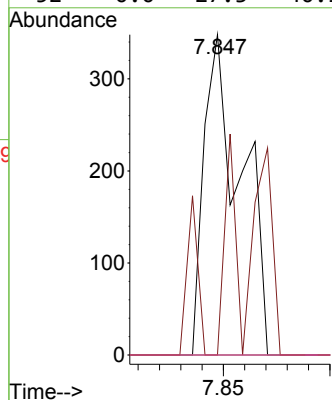


#41
Methacrylonitrile
Concen: 0.202 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

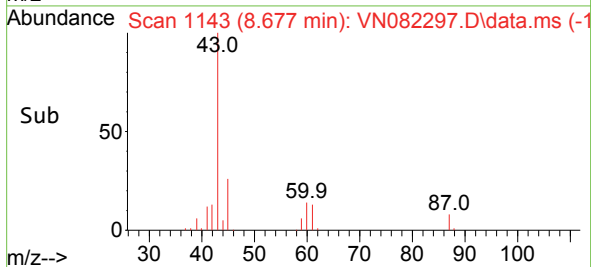
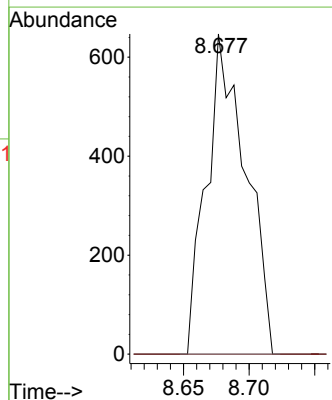
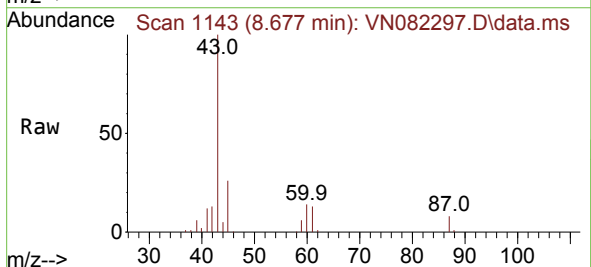


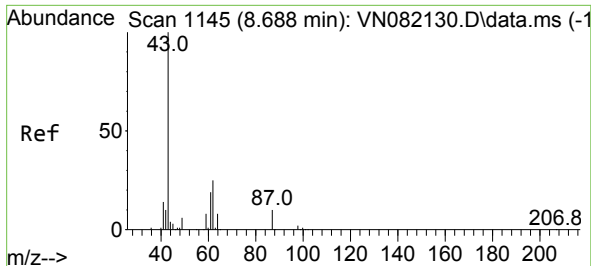
Tgt Ion: 41	Resp: 421
Ion Ratio	Lower Upper
41 100	
39 20.2	46.6 69.8#
67 0.0	67.3 100.9#
52 0.0	27.3 40.9#



#42
1,2-Dichloroethane
Concen: 0.371 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

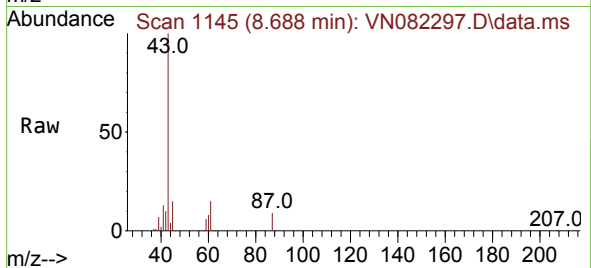
Tgt Ion: 62	Resp: 1349
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 19.6



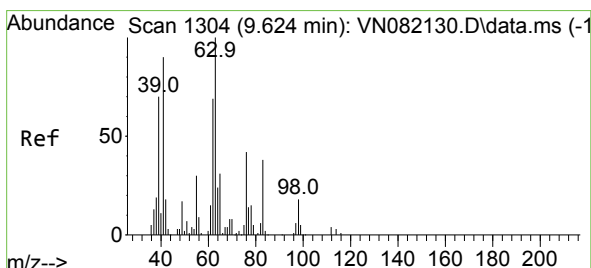
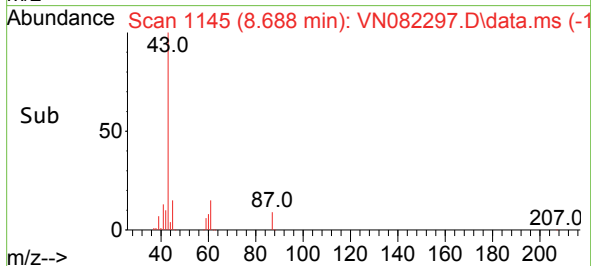
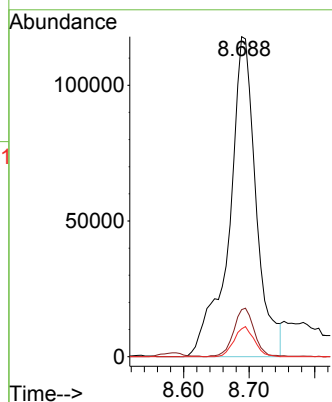


#43
Isopropyl Acetate
Concen: 53.712 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

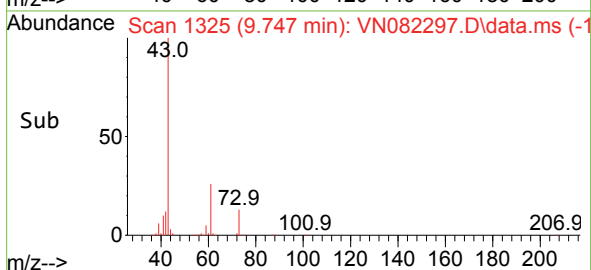
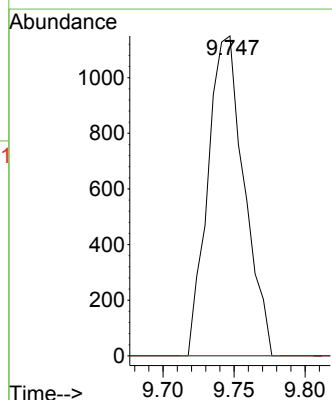
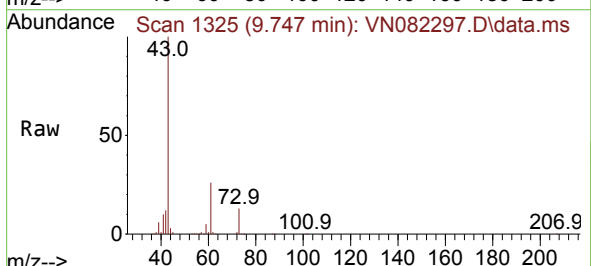


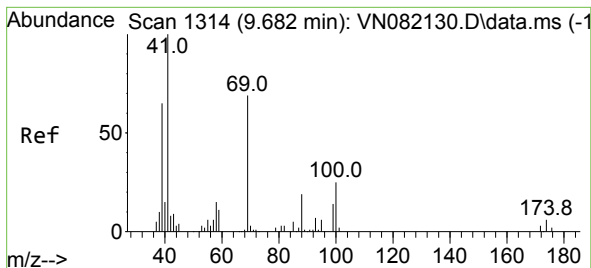
Tgt Ion: 43 Resp: 337248
Ion Ratio Lower Upper
43 100
61 11.7 22.8 34.2#
87 7.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.839 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

Tgt Ion: 63 Resp: 2043
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#





#48

Methyl methacrylate

Concen: 2.018 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN082297.D

Acq: 22 May 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :

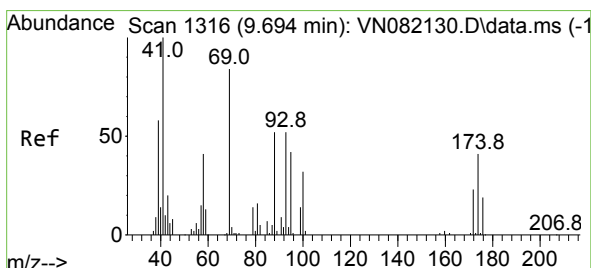
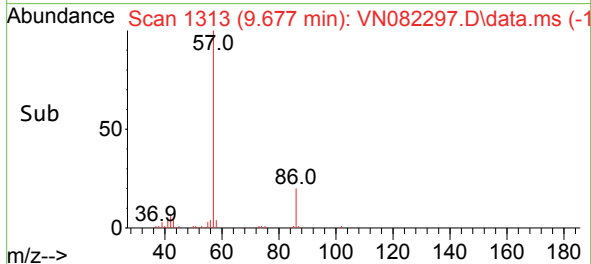
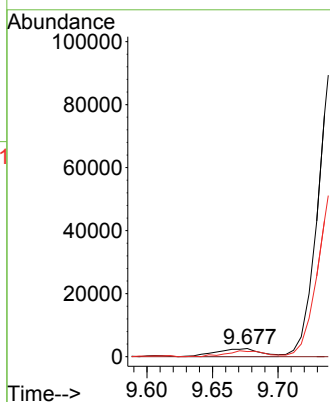
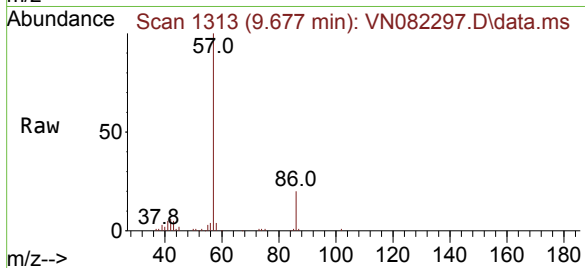
Tgt Ion: 41 Resp: 6037

Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 63.1 50.9 76.3



#49

1,4-Dioxane

Concen: 3.602 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN082297.D

Acq: 22 May 2024 17:02

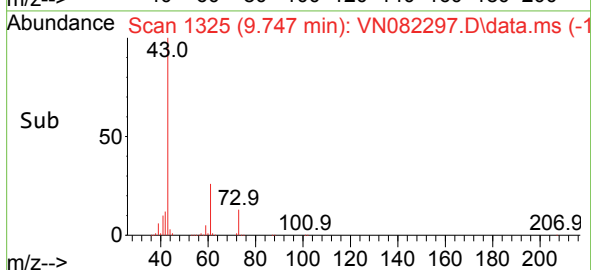
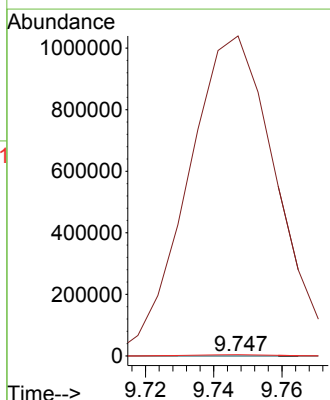
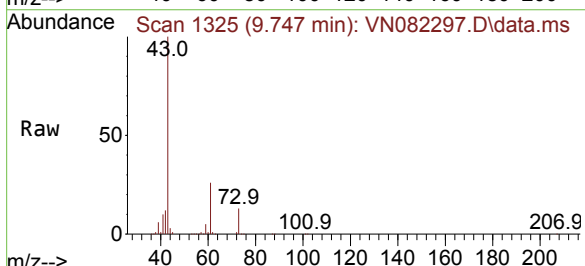
Tgt Ion: 88 Resp: 151

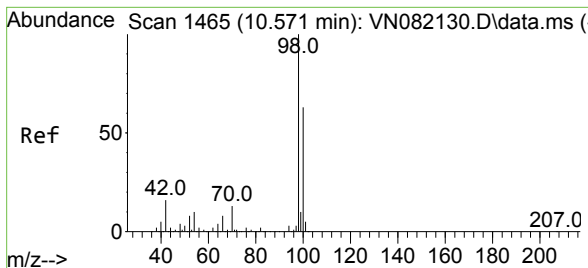
Ion Ratio Lower Upper

88 100

43 1251697.4 19.0 28.6#

58 4847.7 50.6 76.0#

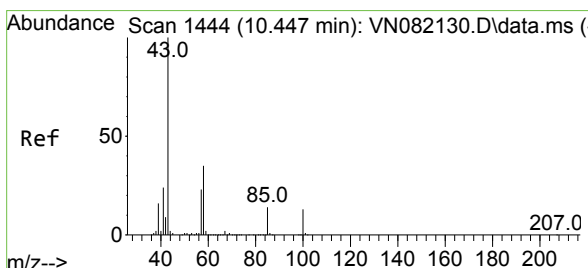
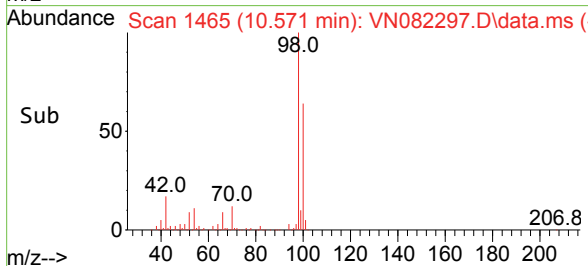
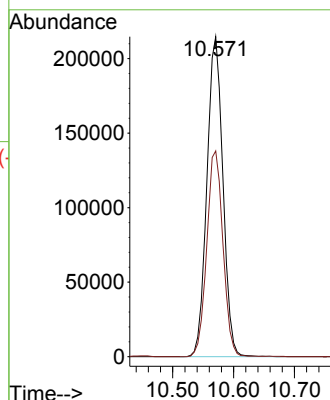
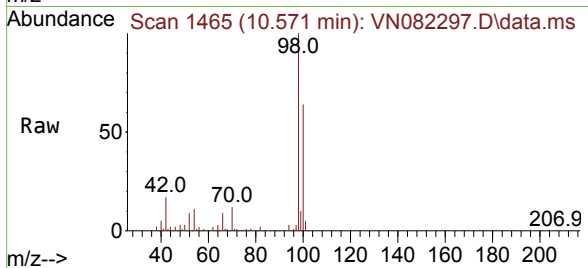




#50
Toluene-d8
Concen: 54.106 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

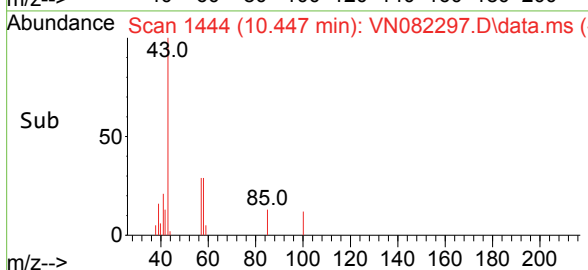
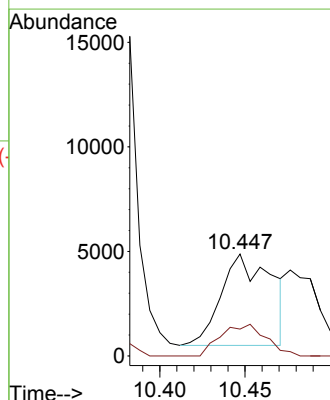
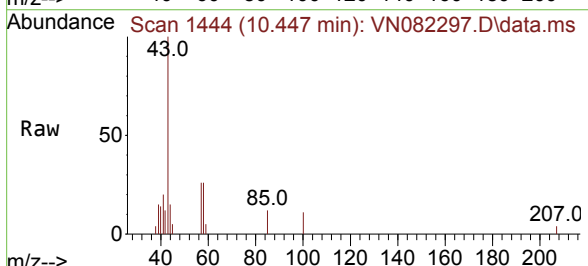
Instrument :
MSVOA_N
ClientSampleId :

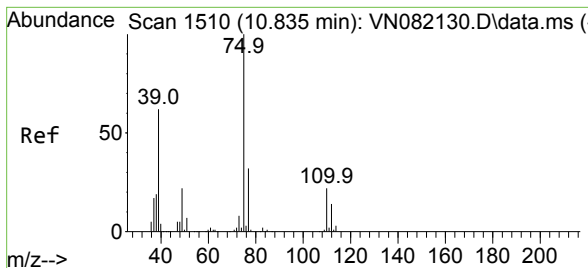
Tgt Ion: 98 Resp: 391625
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.509 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

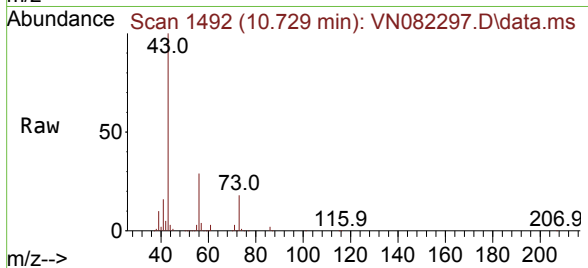
Tgt Ion: 43 Resp: 8950
Ion Ratio Lower Upper
43 100
58 31.4 33.2 49.8#



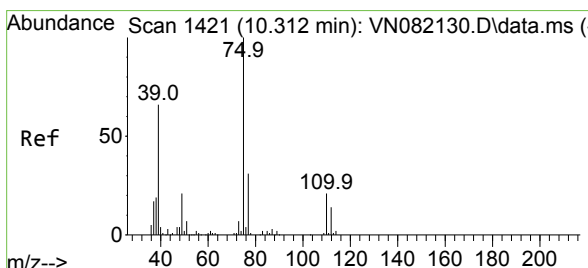
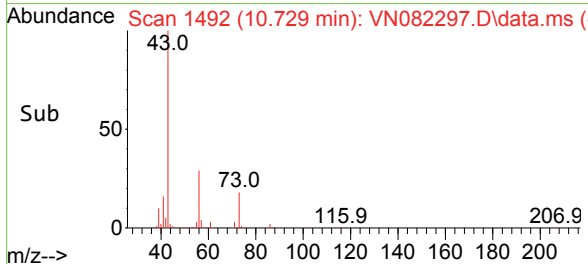
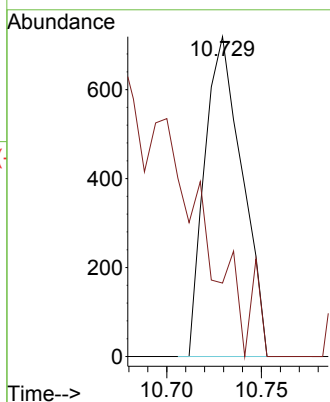


#53
 t-1,3-Dichloropropene
 Concen: 0.283 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082297.D
 Acq: 22 May 2024 17:02

Instrument :
 MSVOA_N
 ClientSampleId :

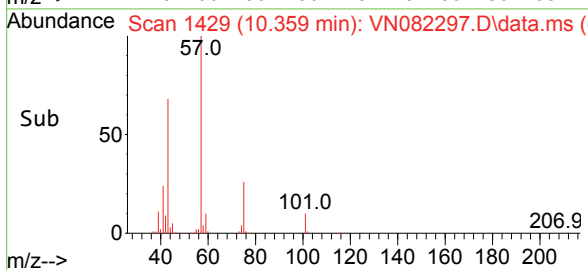
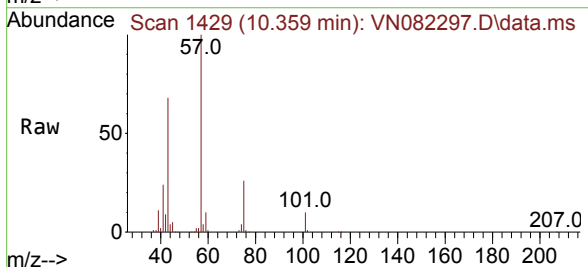
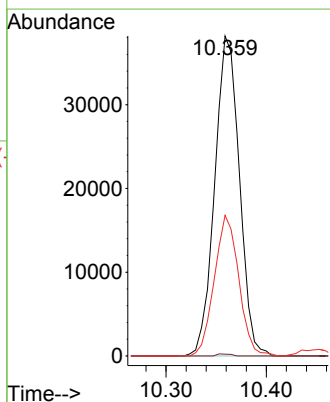


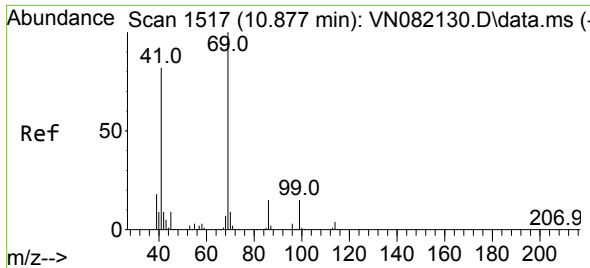
Tgt Ion: 75 Resp: 987
 Ion Ratio Lower Upper
 75 100
 77 22.9 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 17.665 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082297.D
 Acq: 22 May 2024 17:02

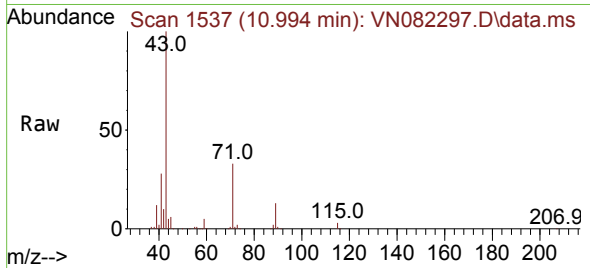
Tgt Ion: 75 Resp: 65298
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 43.9 34.8 52.2



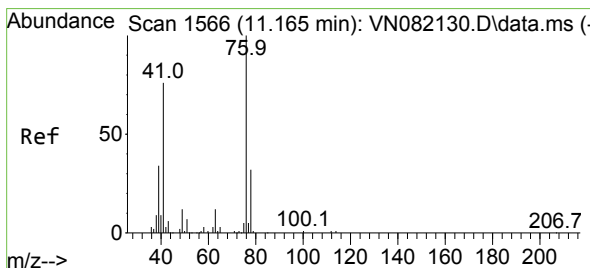
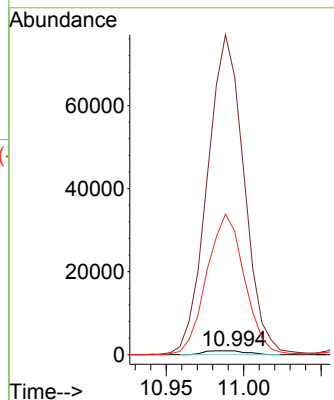
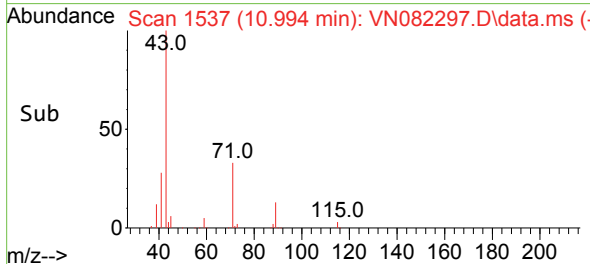


#56
Ethyl methacrylate
Concen: 0.504 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

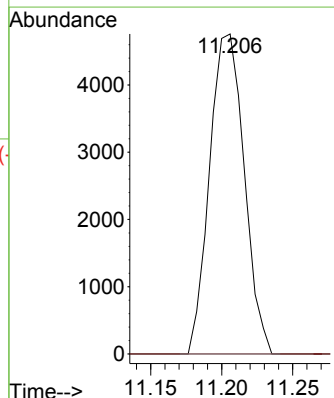
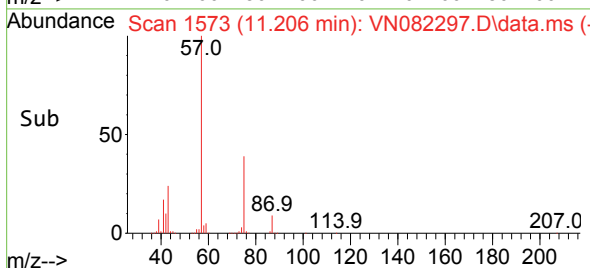
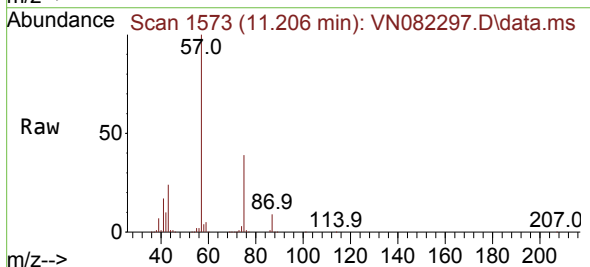


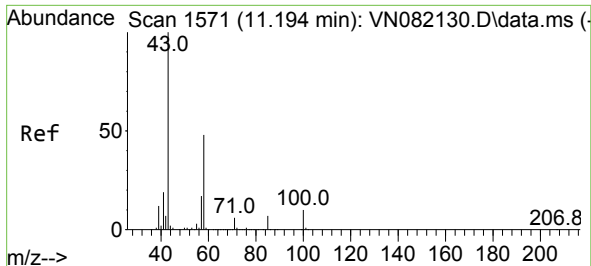
Tgt Ion: 69 Resp: 1762
Ion Ratio Lower Upper
69 100
41 7241.1 46.6 70.0#
39 3267.8 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 2.096 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

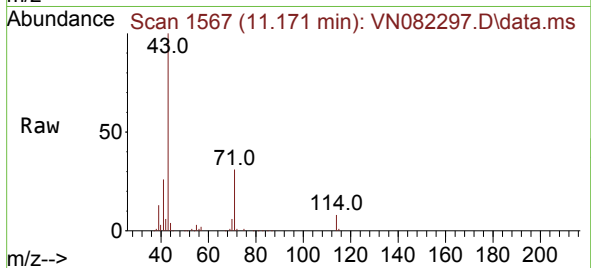
Tgt Ion: 76 Resp: 8068
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



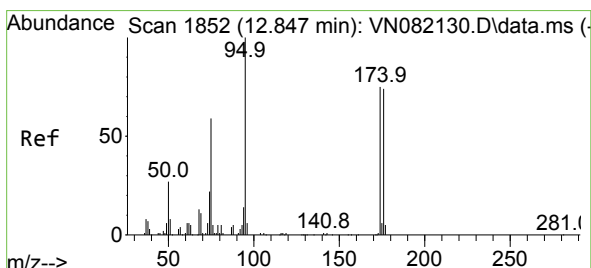
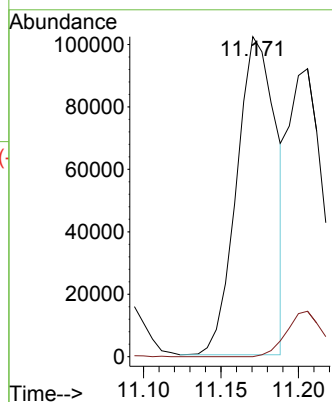
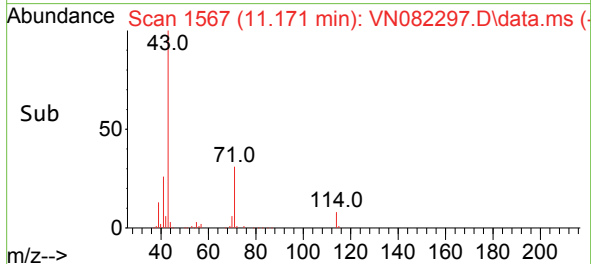


#59
2-Hexanone
Concen: 68.936 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

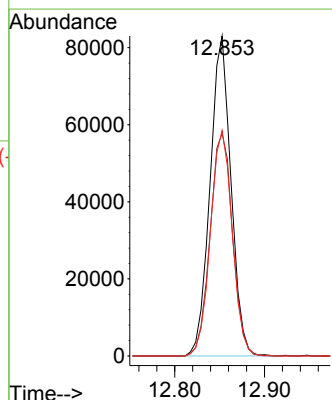
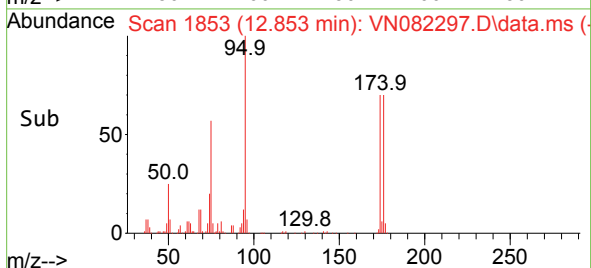
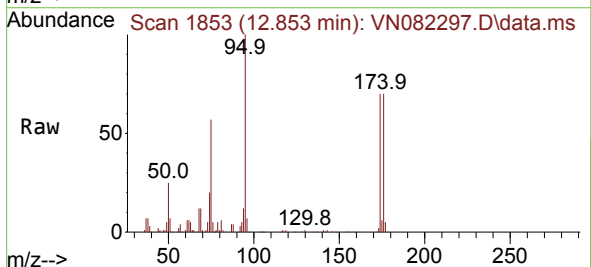


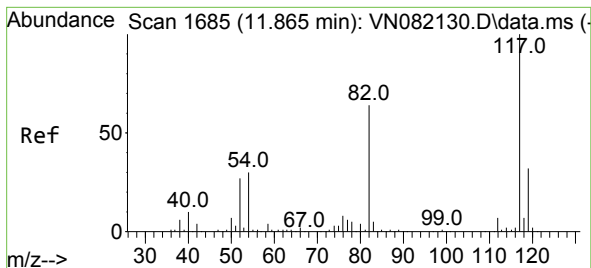
Tgt Ion: 43 Resp: 180069
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 52.016 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

Tgt Ion: 95 Resp: 134380
Ion Ratio Lower Upper
95 100
174 74.5 0.0 160.6
176 73.0 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082297.D

Acq: 22 May 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :

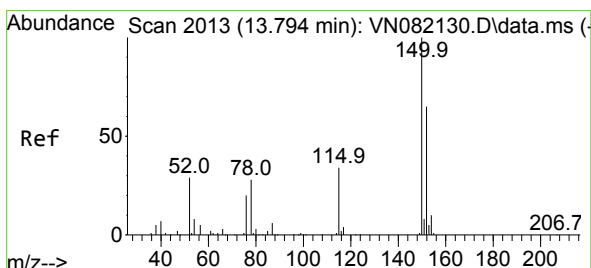
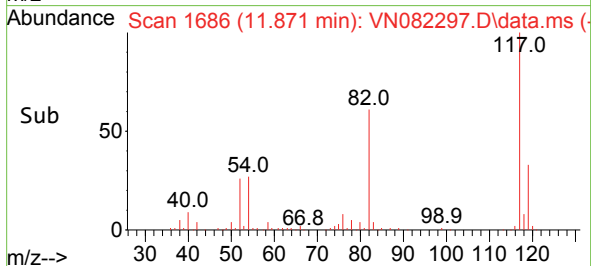
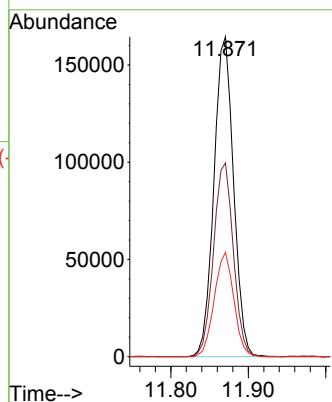
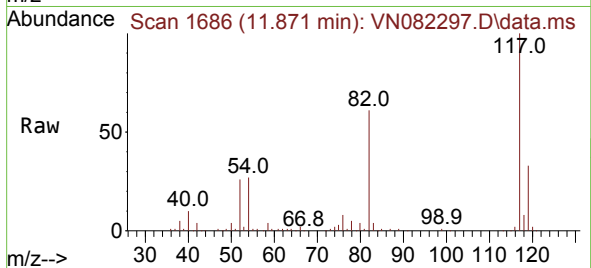
Tgt Ion:117 Resp: 289903

Ion Ratio Lower Upper

117 100

82 60.6 44.6 66.8

119 32.6 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: VN082297.D

Acq: 22 May 2024 17:02

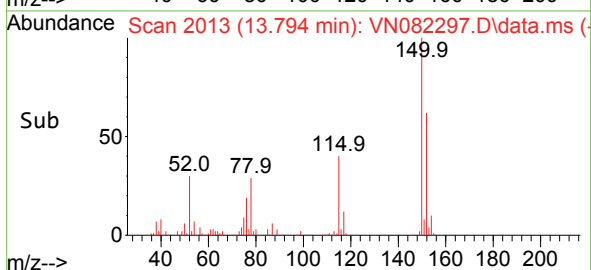
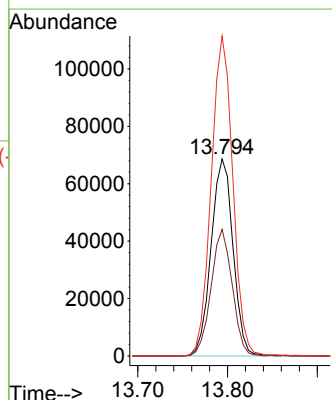
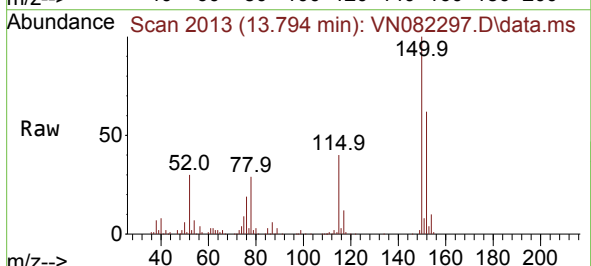
Tgt Ion:152 Resp: 116408

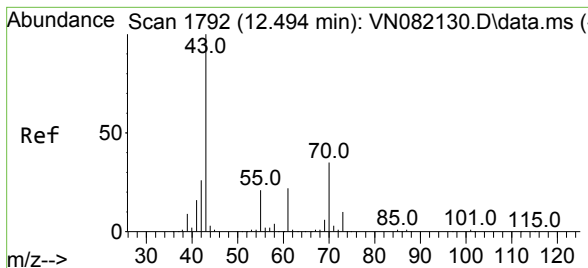
Ion Ratio Lower Upper

152 100

115 61.8 30.4 91.3

150 160.0 0.0 353.2

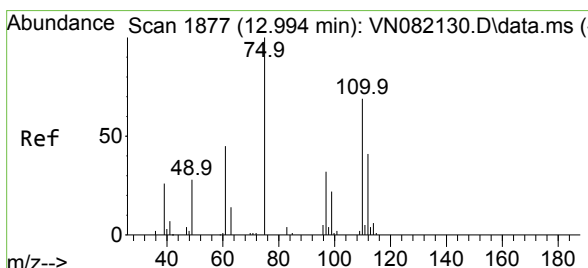
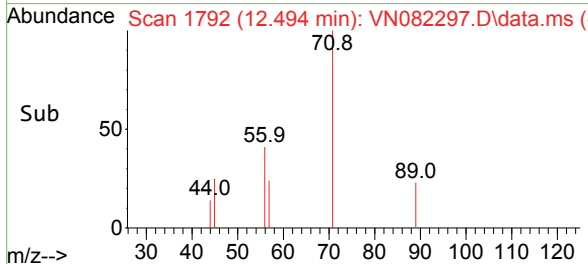
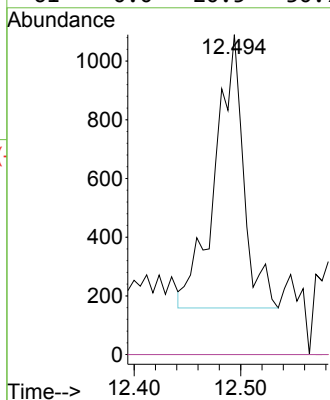
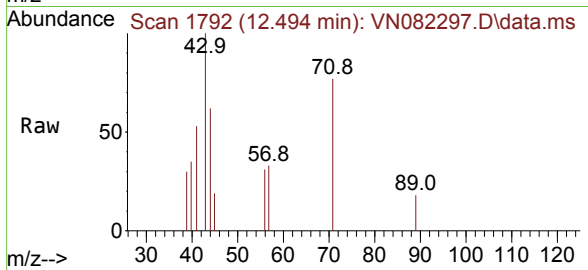




#74
N-amy1 acetate
Concen: 0.341 ug/l
RT: 12.494 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

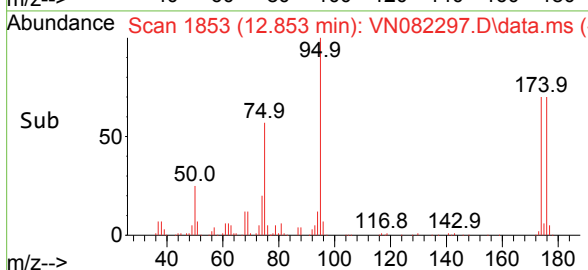
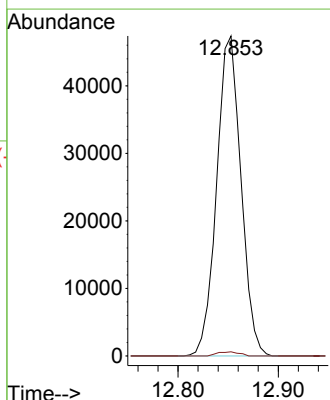
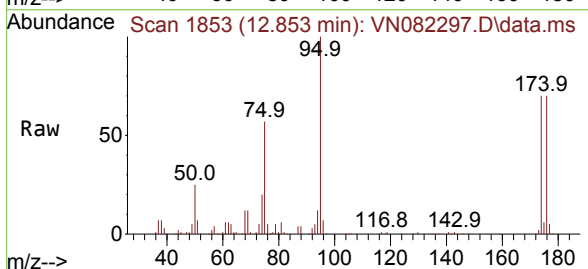
Instrument :
MSVOA_N
ClientSampleId :

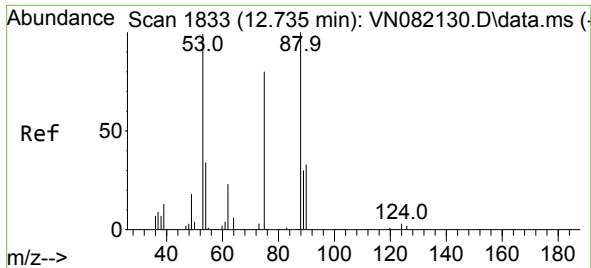
Tgt Ion: 43	Resp: 1736
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 0.0	21.3 31.9#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 32.527 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082297.D
Acq: 22 May 2024 17:02

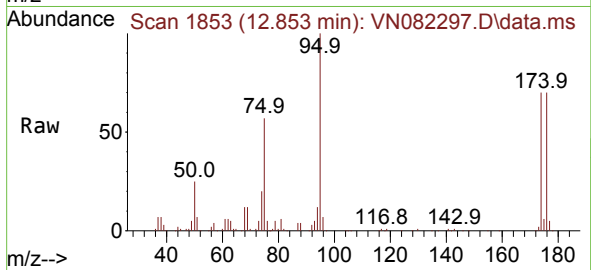
Tgt Ion: 75	Resp: 79695
Ion Ratio	Lower Upper
75 100	
77 1.2	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.080 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082297.D
 Acq: 22 May 2024 17:02

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 79695
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

