

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082296.D
 Acq On : 22 May 2024 16:38
 Operator : JC\MD
 Sample : PB161037ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

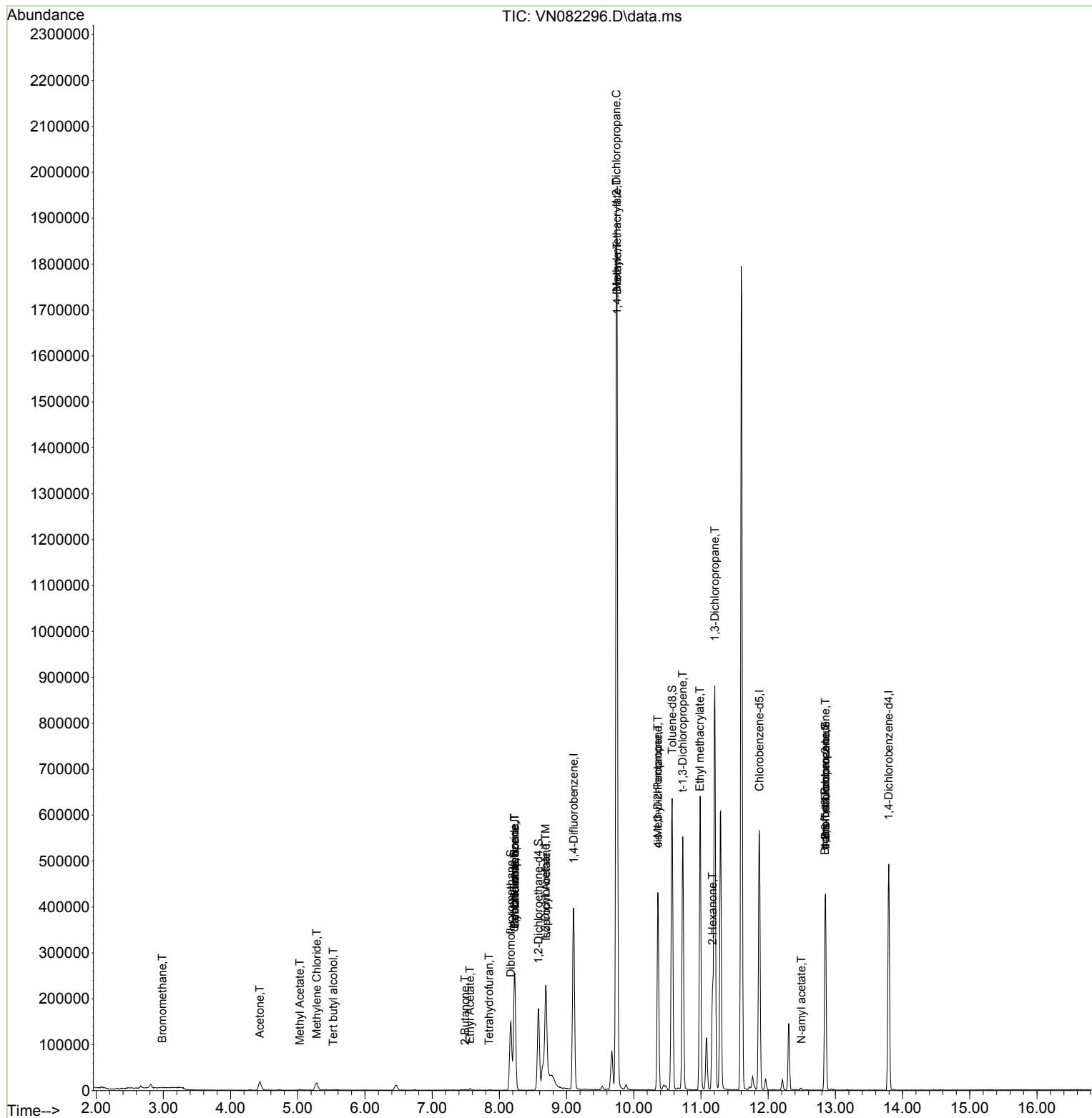
Quant Time: May 23 01:54:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

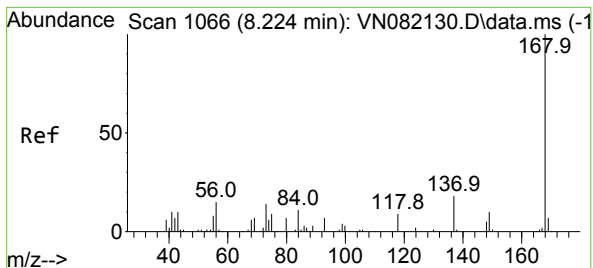
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	176112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	317122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	299029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	147474	53.032	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.060%	
35) Dibromofluoromethane	8.171	113	102057	52.316	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.640%	
50) Toluene-d8	10.571	98	405830	54.261	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.520%	
62) 4-Bromofluorobenzene	12.853	95	139062	52.093	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 104.180%	
Target Compounds						Qvalue
5) Bromomethane	2.983	94	375	0.241	ug/l #	3
11) Tert butyl alcohol	5.530	59	301	0.674	ug/l #	71
16) Acetone	4.436	43	34471	30.218	ug/l #	88
18) Methyl Acetate	5.030	43	4362	1.535	ug/l #	59
20) Methylene Chloride	5.283	84	11067	4.808	ug/l #	87
25) 2-Butanone	7.489	43	2842	1.643	ug/l #	84
29) Tetrahydrofuran	7.847	42	928	0.836	ug/l #	33
31) Cyclohexane	8.230	56	5308	1.195	ug/l #	33
36) 1,1-Dichloropropene	8.230	75	16609	5.076	ug/l #	48
37) Ethyl Acetate	7.565	43	5908	1.614	ug/l #	87
38) Carbon Tetrachloride	8.224	117	19335	5.830	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1336	0.356	ug/l #	73
43) Isopropyl Acetate	8.694	43	339008	52.252	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	2243	0.891	ug/l #	45
48) Methyl methacrylate	9.747	41	192267	62.192	ug/l #	37
49) 1,4-Dioxane	9.753	88	144	3.324	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	169682	46.031	ug/l #	43
53) t-1,3-Dichloropropene	10.730	75	1197	0.332	ug/l #	85
54) cis-1,3-Dichloropropene	10.359	75	65619	17.180	ug/l #	75
56) Ethyl methacrylate	10.982	69	1612	0.446	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8443	2.122	ug/l #	42
59) 2-Hexanone	11.171	43	182285	67.535	ug/l #	23
71) Bromoform	12.847	173	653	1.073	ug/l #	28
74) N-amyl acetate	12.494	43	2717	0.512	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	82048	32.131	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82048	75.153	ug/l #	12

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

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Instrument :

MSVOA_N

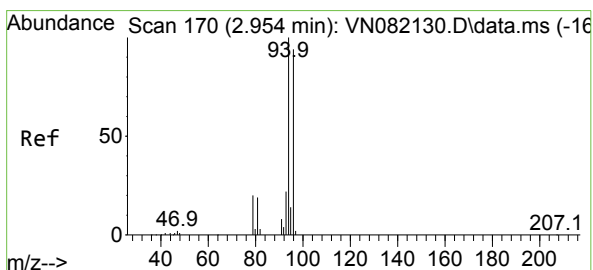
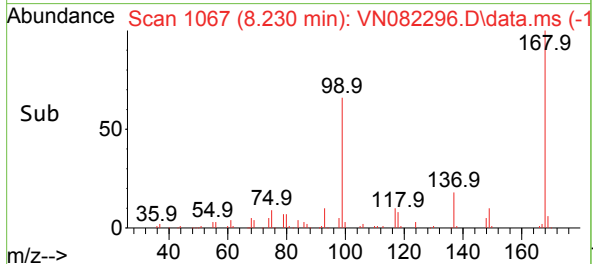
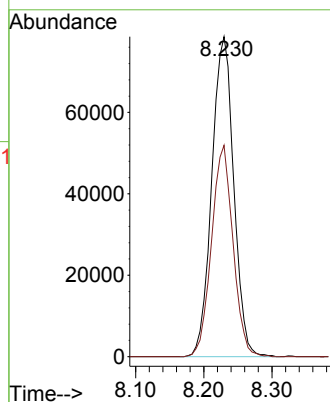
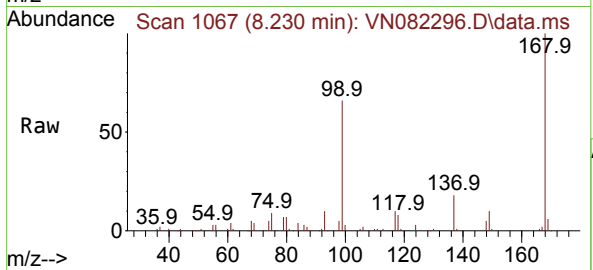
ClientSampleId :

Tgt Ion:168 Resp: 176112

Ion Ratio Lower Upper

168 100

99 66.1 48.2 72.4



#5

Bromomethane

Concen: 0.241 ug/l

RT: 2.983 min Scan# 175

Delta R.T. 0.029 min

Lab File: VN082296.D

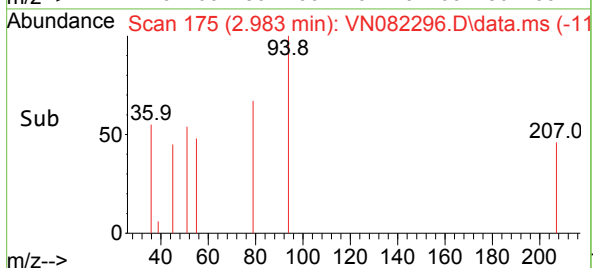
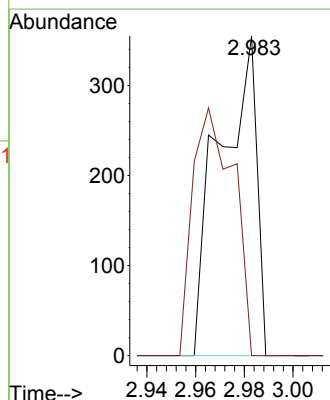
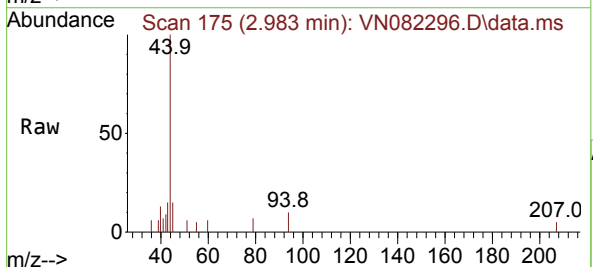
Acq: 22 May 2024 16:38

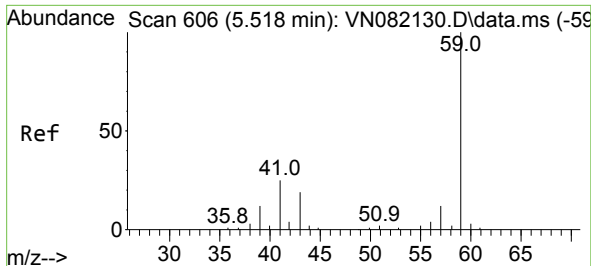
Tgt Ion: 94 Resp: 375

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#

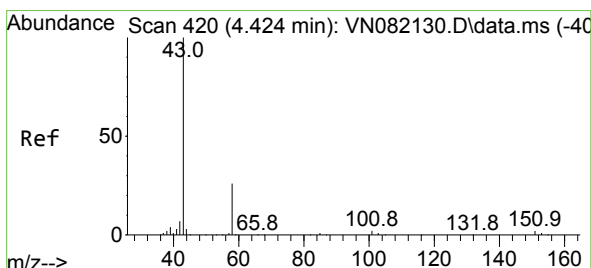
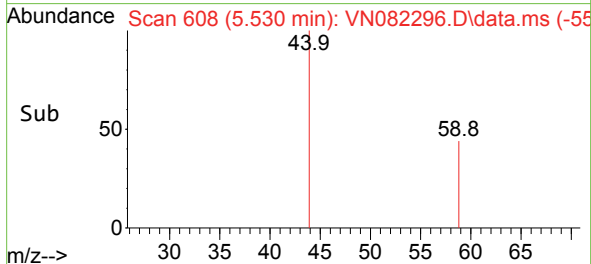
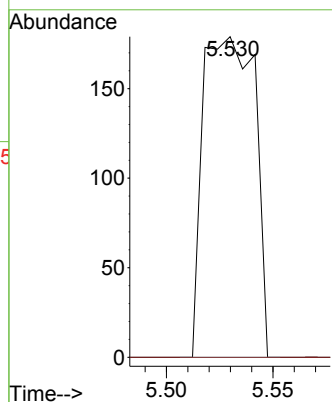
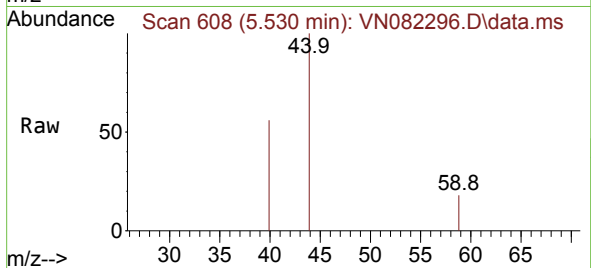




#11
Tert butyl alcohol
Concen: 0.674 ug/l
RT: 5.530 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

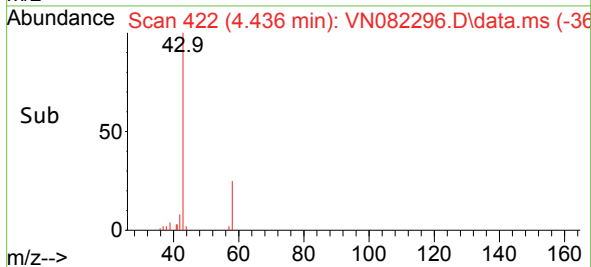
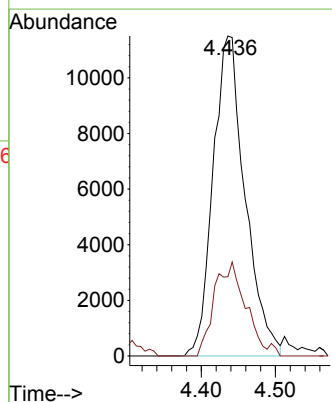
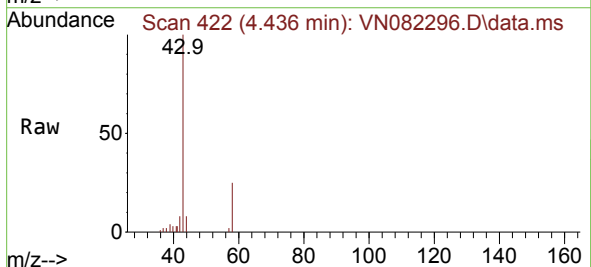
Instrument :
MSVOA_N
ClientSampleId :

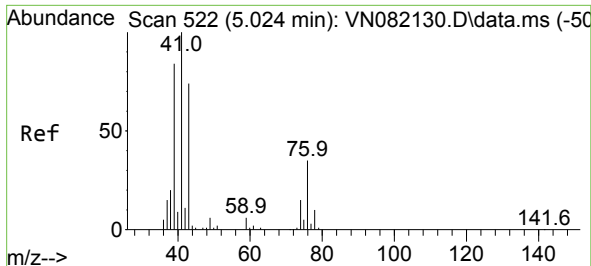
Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 30.218 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Tgt Ion: 43 Resp: 34471
Ion Ratio Lower Upper
43 100
58 24.8 25.2 37.8#





#18

Methyl Acetate

Concen: 1.535 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

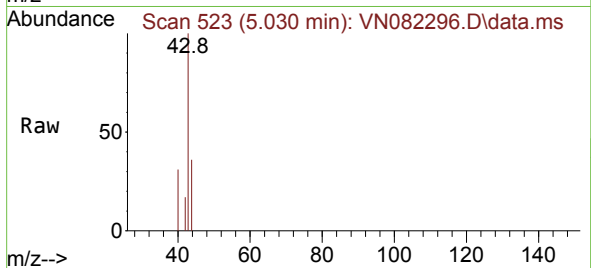
Lab File: VN082296.D

Acq: 22 May 2024 16:38

Instrument :

MSVOA_N

ClientSampleId :

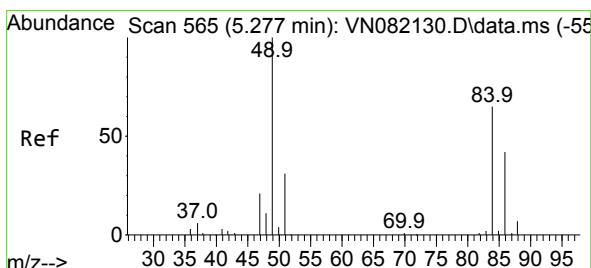
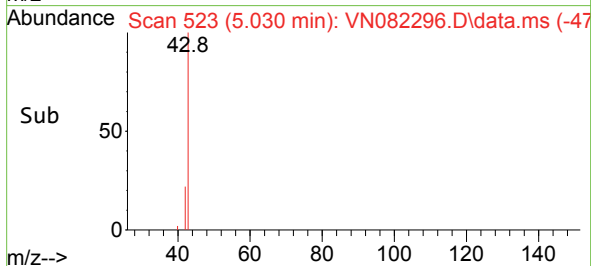
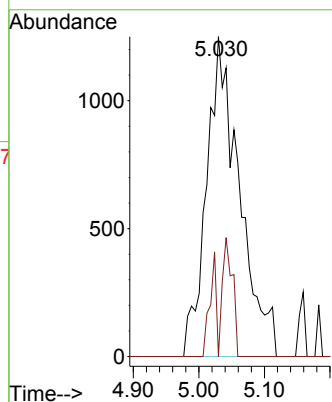


Tgt Ion: 43 Resp: 4362

Ion Ratio Lower Upper

43 100

74 6.3 22.2 33.2#



#20

Methylene Chloride

Concen: 4.808 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN082296.D

Acq: 22 May 2024 16:38

Tgt Ion: 84 Resp: 11067

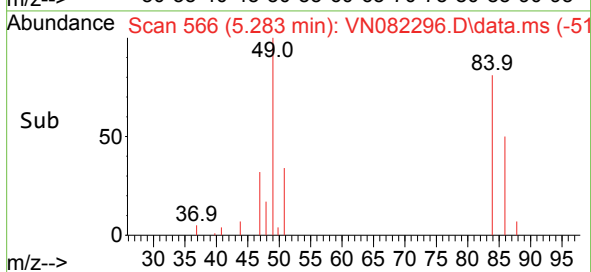
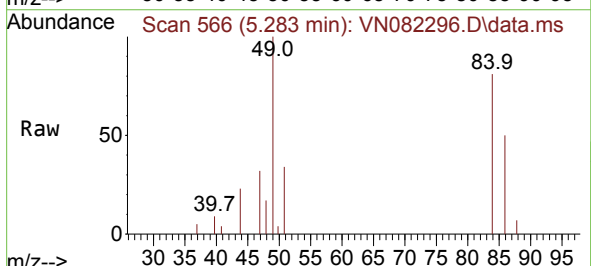
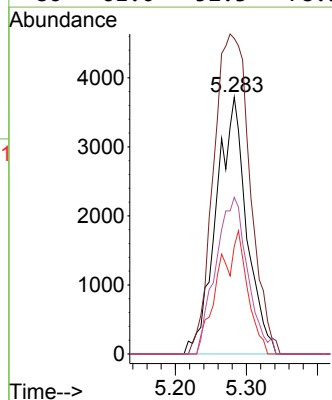
Ion Ratio Lower Upper

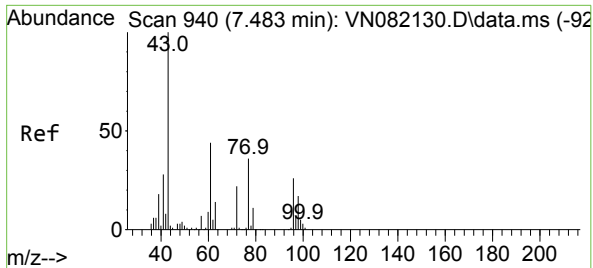
84 100

49 122.9 84.9 127.3

51 41.9 27.0 40.6#

86 61.0 52.3 78.5

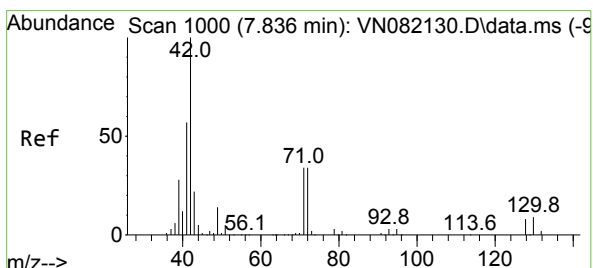
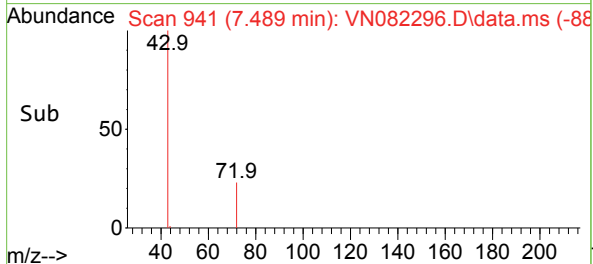
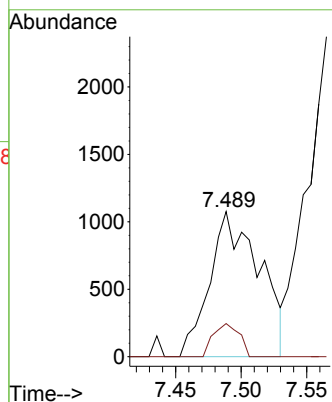
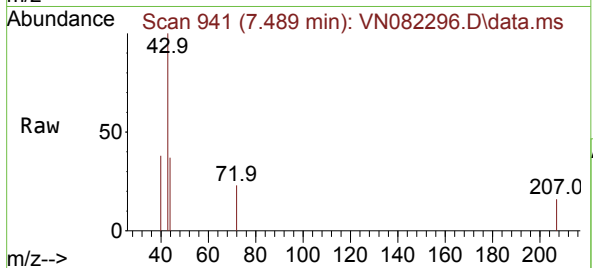




#25
2-Butanone
Concen: 1.643 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

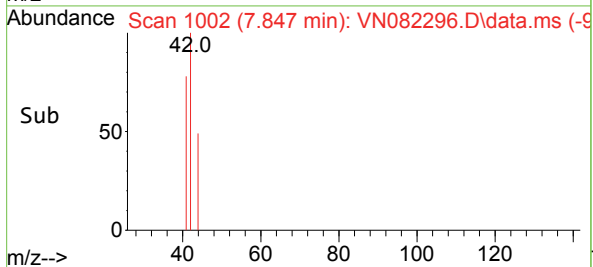
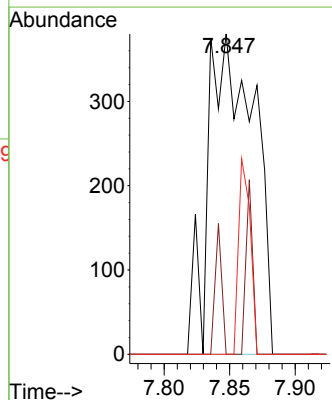
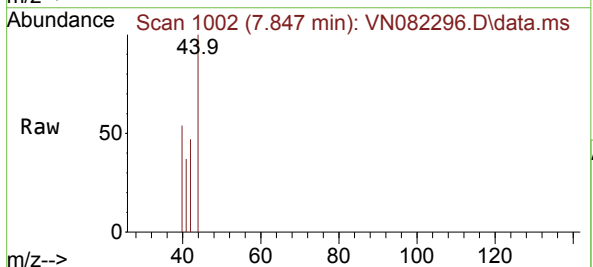
Instrument :
MSVOA_N
ClientSampleId :

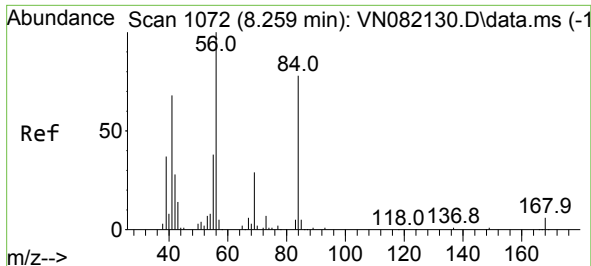
Tgt Ion: 43 Resp: 2842
Ion Ratio Lower Upper
43 100
72 22.9 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.836 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

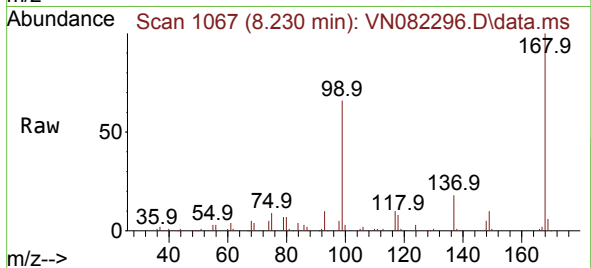
Tgt Ion: 42 Resp: 928
Ion Ratio Lower Upper
42 100
72 5.9 39.3 58.9#
71 0.0 37.4 56.0#



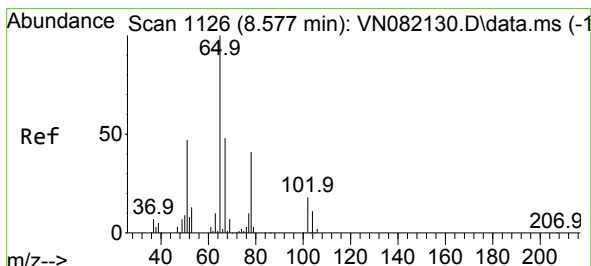
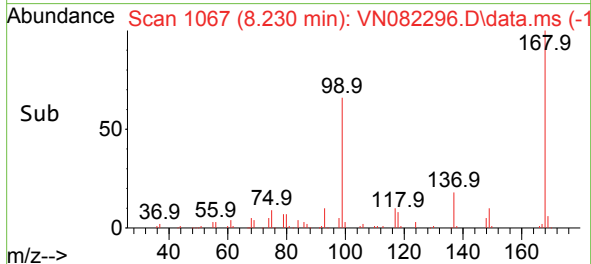
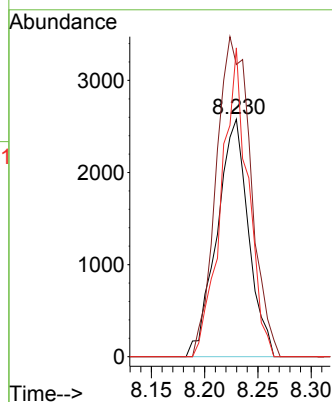


#31
Cyclohexane
Concen: 1.195 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

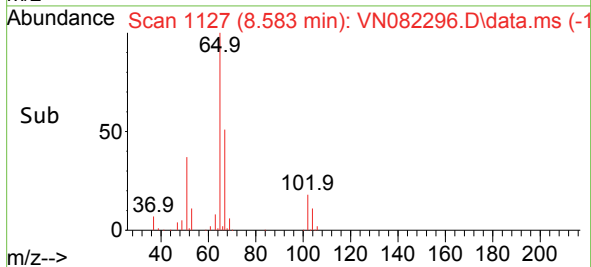
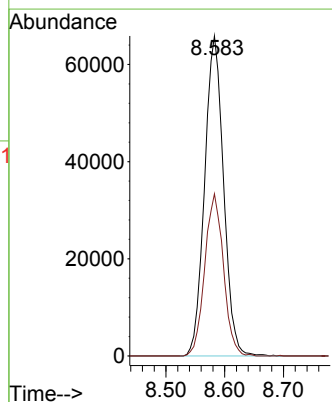
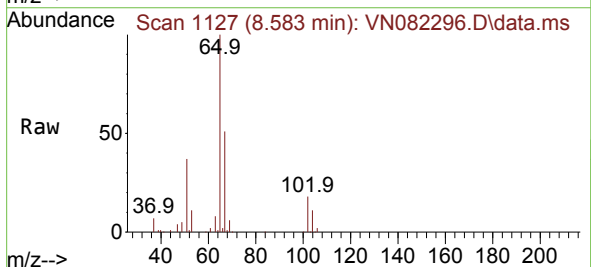


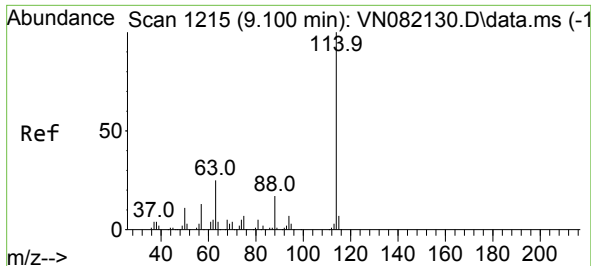
Tgt Ion: 56 Resp: 5308
Ion Ratio Lower Upper
56 100
69 123.0 24.4 36.6#
84 130.1 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 53.032 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Tgt Ion: 65 Resp: 147474
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# 114

Delta R.T. 0.006 min

Lab File: VN082296.D

Acq: 22 May 2024 16:38

Instrument :

MSVOA_N

ClientSampleId :

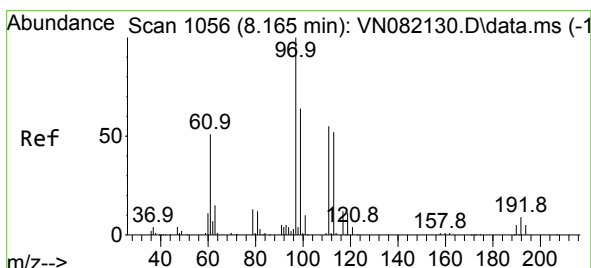
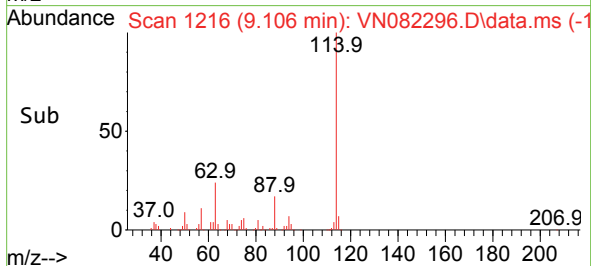
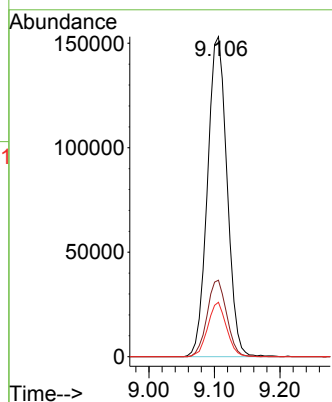
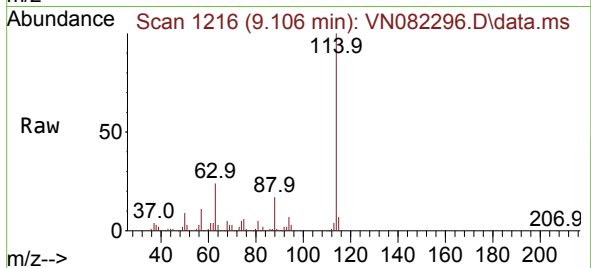
Tgt Ion:114 Resp: 317122

Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.0

88 17.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.316 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082296.D

Acq: 22 May 2024 16:38

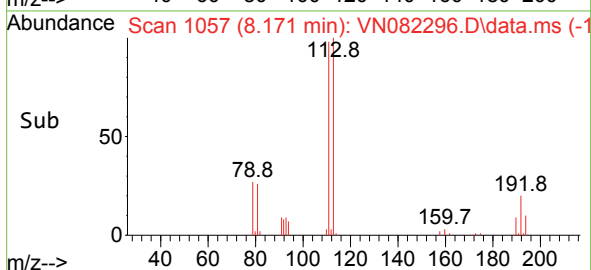
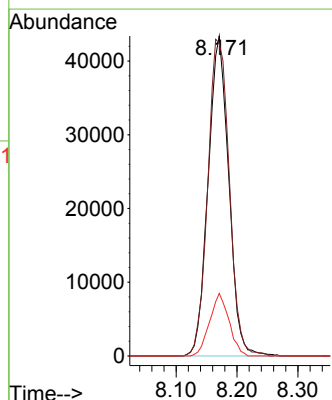
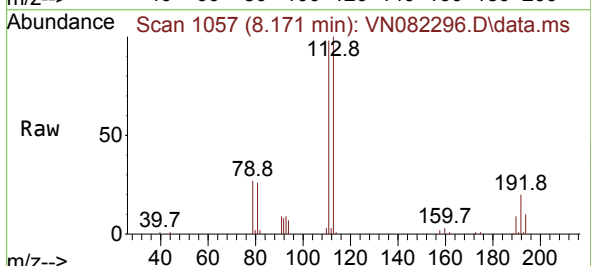
Tgt Ion:113 Resp: 102057

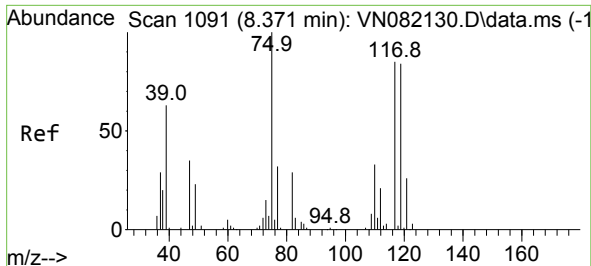
Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.2

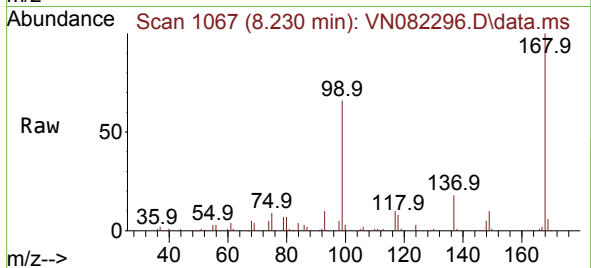
192 18.4 14.0 21.0



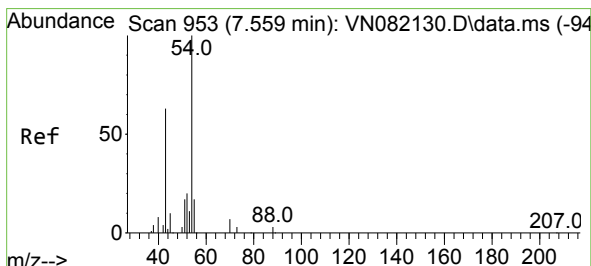
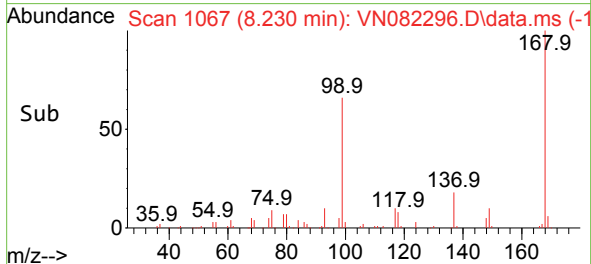
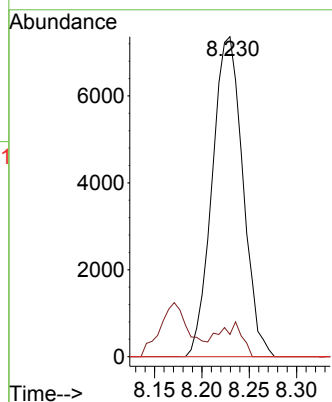


#36
1,1-Dichloropropene
Concen: 5.076 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

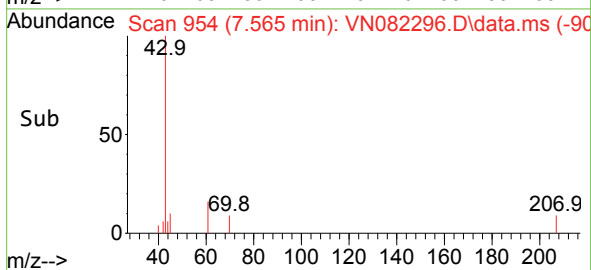
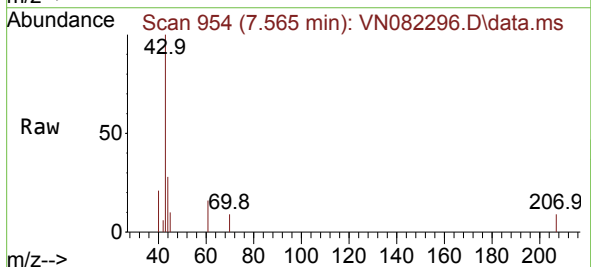
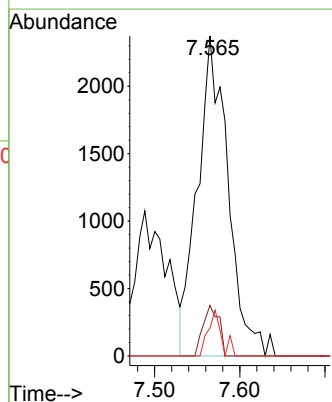


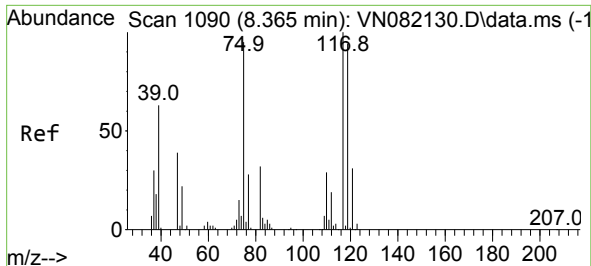
Tgt Ion: 75 Resp: 16609
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.614 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

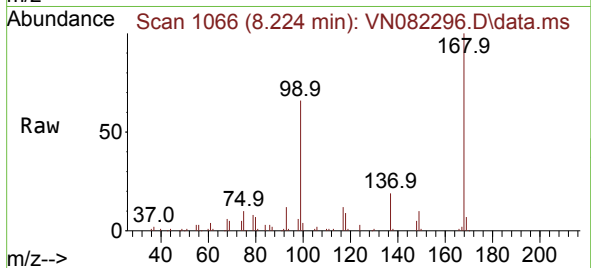
Tgt Ion: 43 Resp: 5908
Ion Ratio Lower Upper
43 100
61 8.2 11.3 16.9#
70 6.2 8.7 13.1#



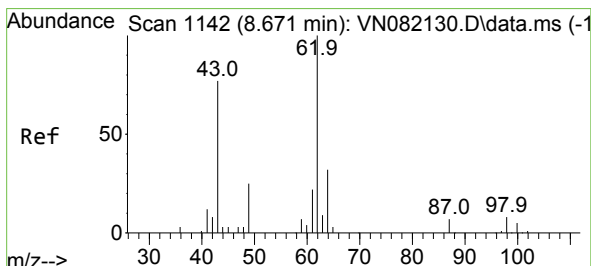
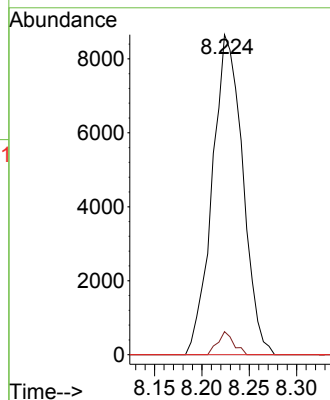
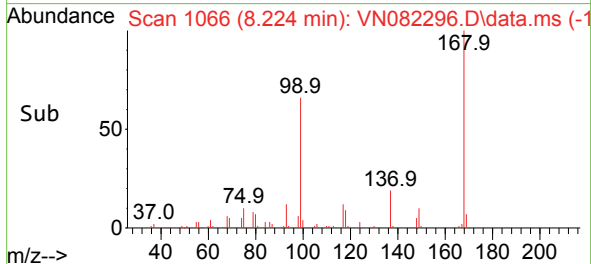


#38
Carbon Tetrachloride
Concen: 5.830 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

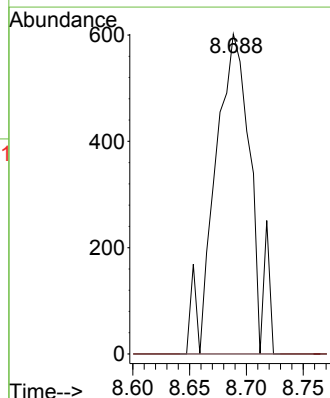
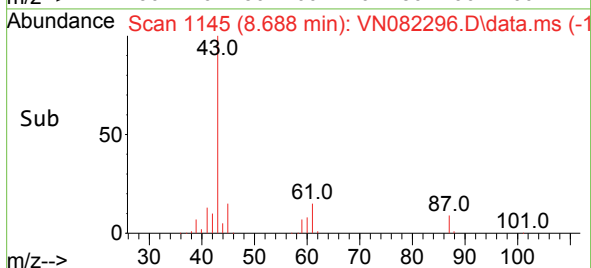
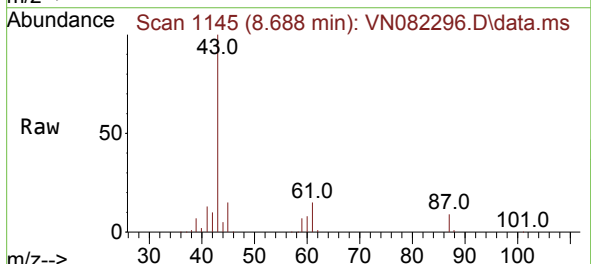


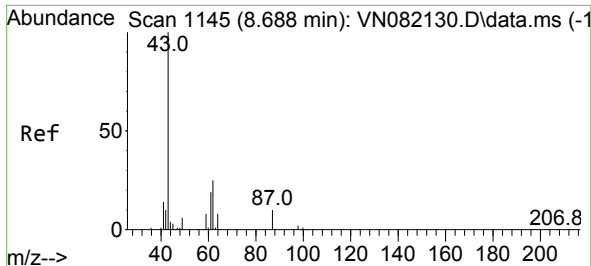
Tgt Ion:117 Resp: 19335
Ion Ratio Lower Upper
117 100
119 7.2 76.5 114.7#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.356 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

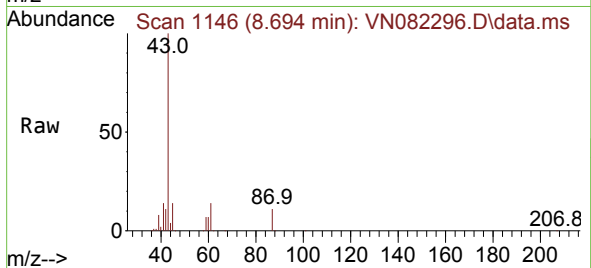
Tgt Ion: 62 Resp: 1336
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



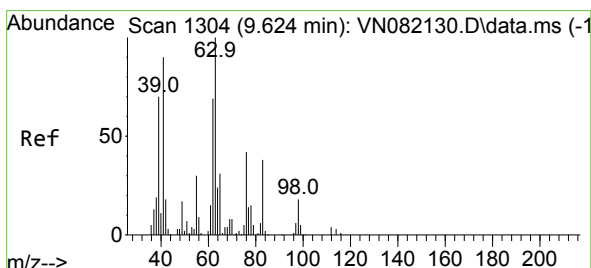
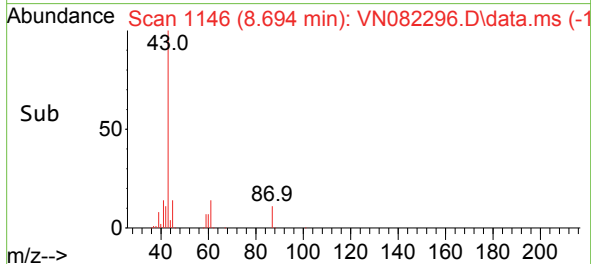
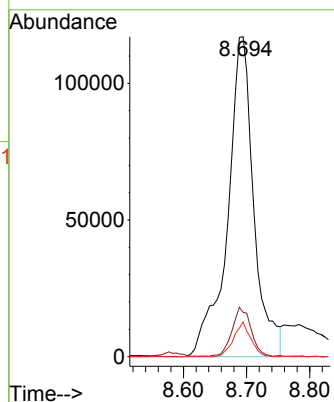


#43
Isopropyl Acetate
Concen: 52.252 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

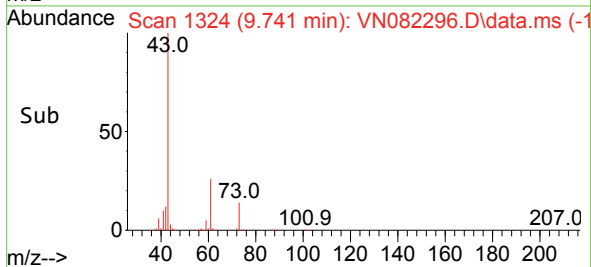
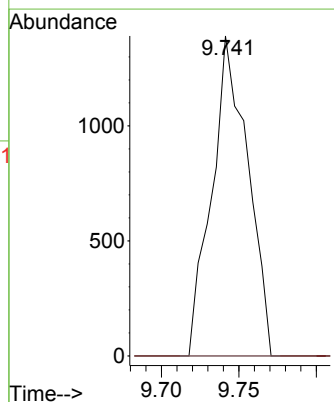
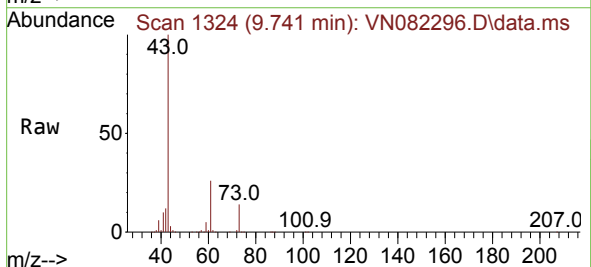


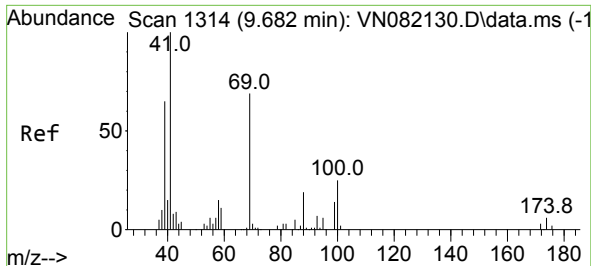
Tgt Ion: 43 Resp: 339008
Ion Ratio Lower Upper
43 100
61 10.9 22.8 34.2#
87 7.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.891 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

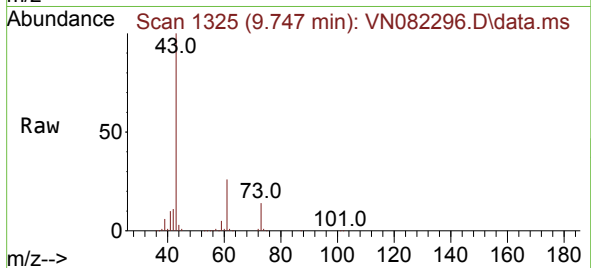
Tgt Ion: 63 Resp: 2243
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#



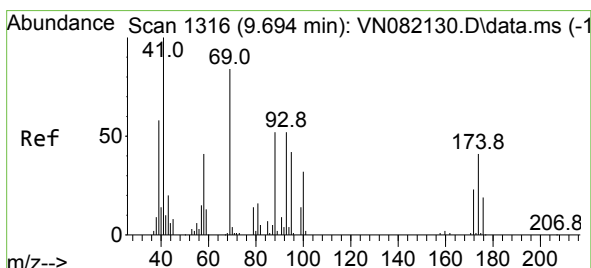
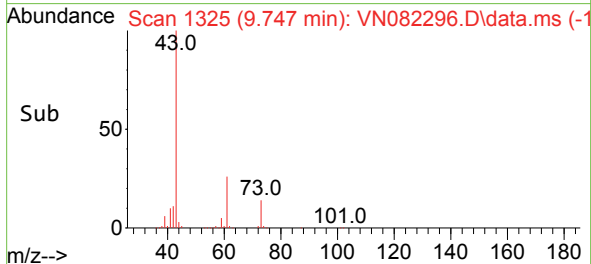
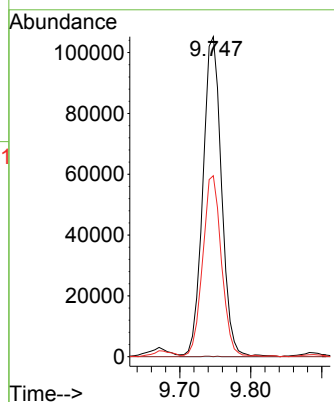


#48
Methyl methacrylate
Concen: 62.192 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

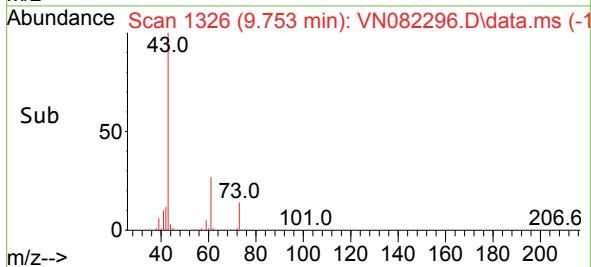
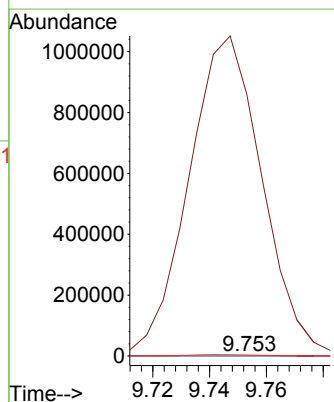
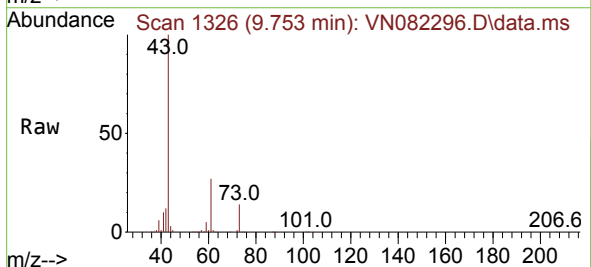


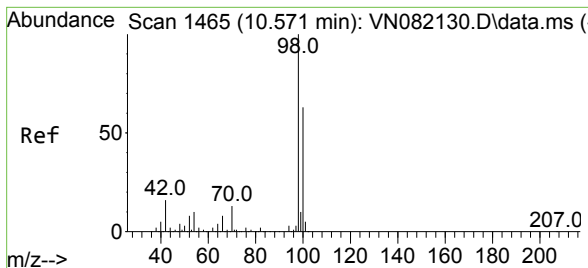
Tgt Ion: 41 Resp: 192267
Ion Ratio Lower Upper
41 100
69 0.1 77.9 116.9#
39 56.6 50.9 76.3



#49
1,4-Dioxane
Concen: 3.324 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 1315155.6 19.0 28.6#
58 5180.6 50.6 76.0#

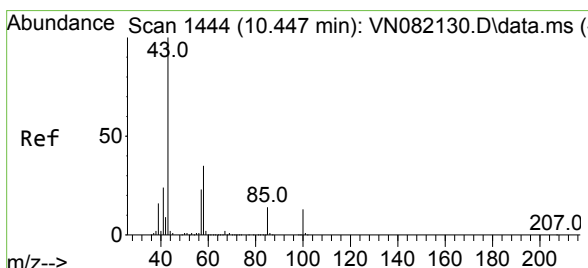
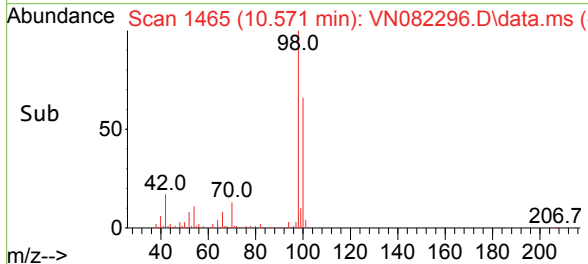
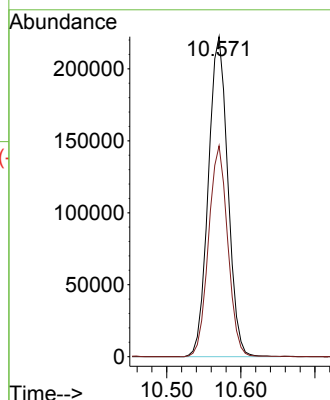
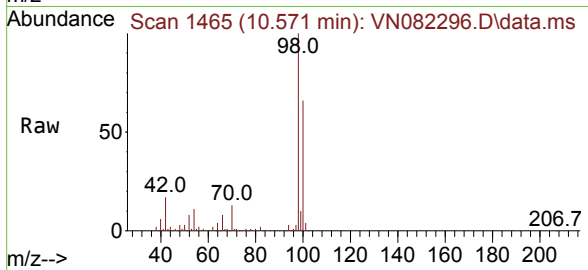




#50
Toluene-d8
Concen: 54.261 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

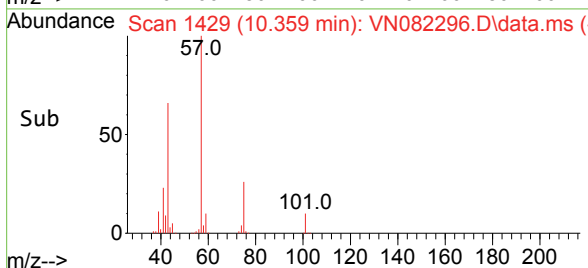
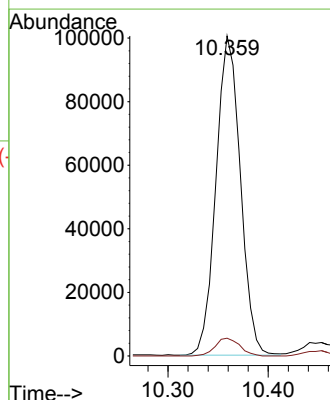
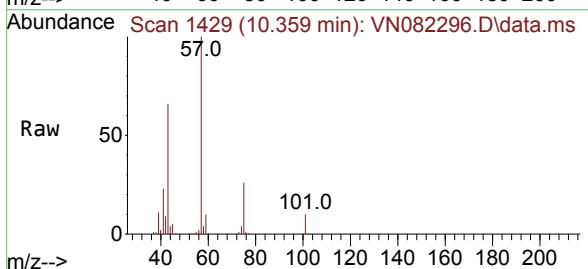
Instrument :
MSVOA_N
ClientSampleId :

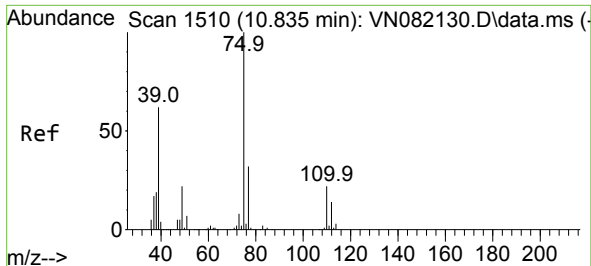
Tgt Ion: 98 Resp: 405830
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 46.031 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

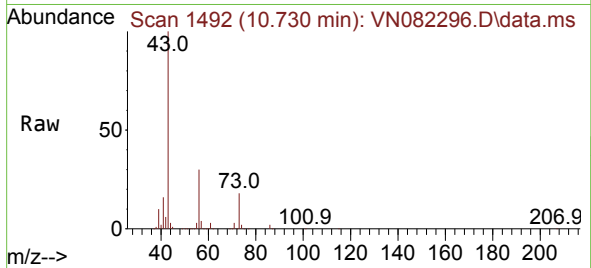
Tgt Ion: 43 Resp: 169682
Ion Ratio Lower Upper
43 100
58 5.6 33.2 49.8#



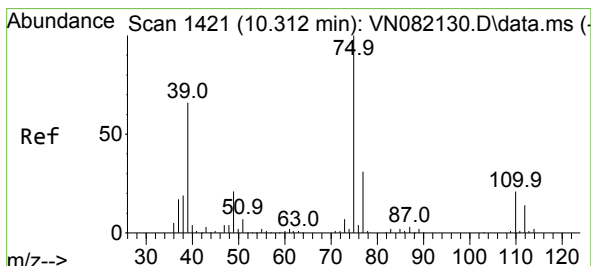
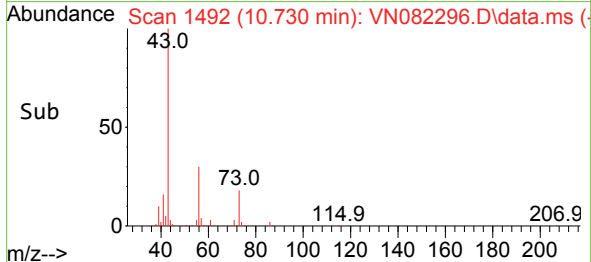
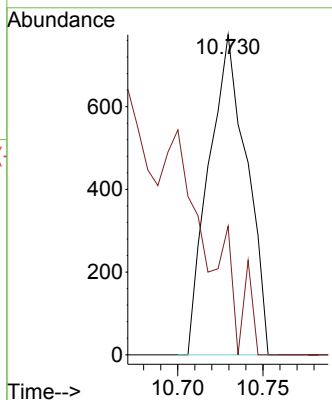


#53
t-1,3-Dichloropropene
Concen: 0.332 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

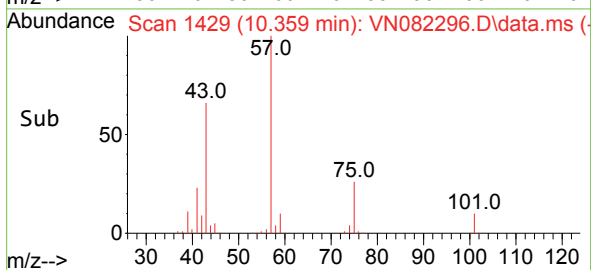
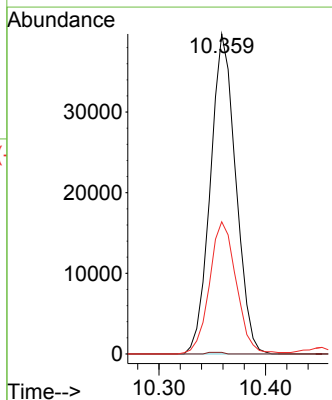
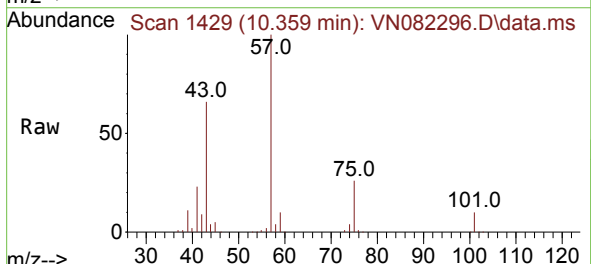


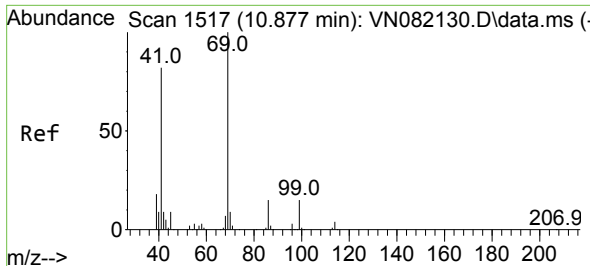
Tgt Ion: 75 Resp: 1197
Ion Ratio Lower Upper
75 100
77 40.2 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 17.180 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

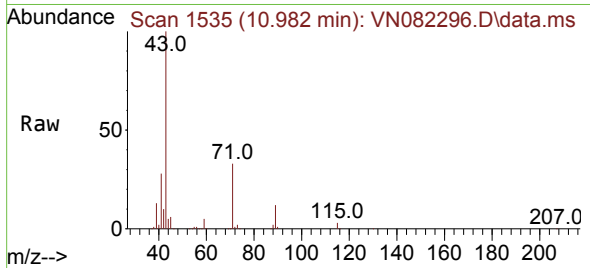
Tgt Ion: 75 Resp: 65619
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 41.3 34.8 52.2



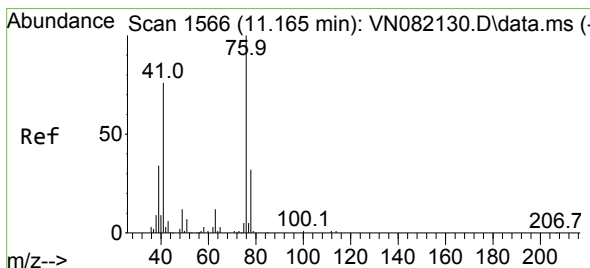
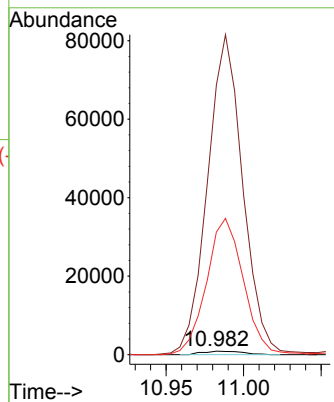
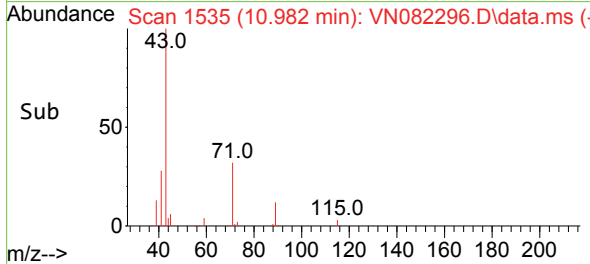


#56
 Ethyl methacrylate
 Concen: 0.446 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082296.D
 Acq: 22 May 2024 16:38

Instrument :
 MSVOA_N
 ClientSampleId :

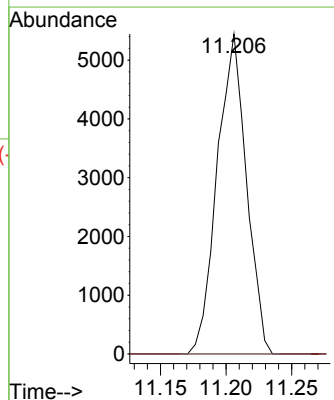
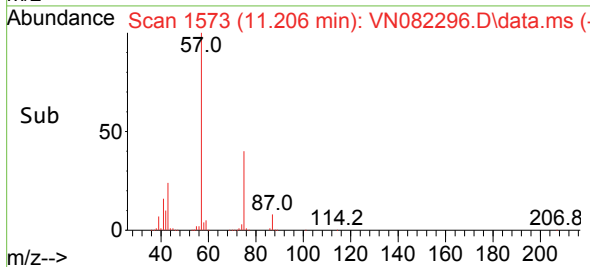
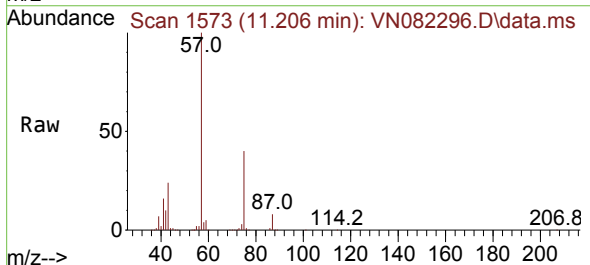


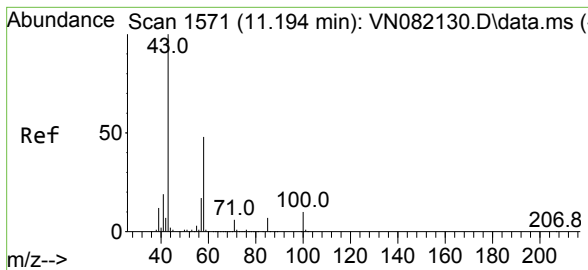
Tgt Ion: 69 Resp: 1612
 Ion Ratio Lower Upper
 69 100
 41 8034.2 46.6 70.0#
 39 3573.7 26.5 39.7#



#57
 1,3-Dichloropropane
 Concen: 2.122 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN082296.D
 Acq: 22 May 2024 16:38

Tgt Ion: 76 Resp: 8443
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

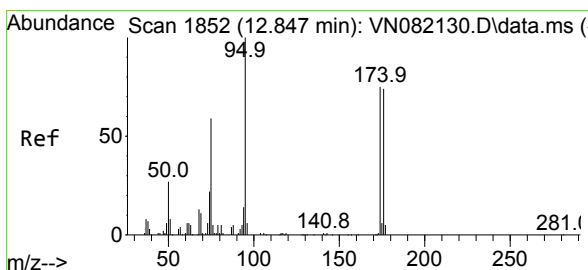
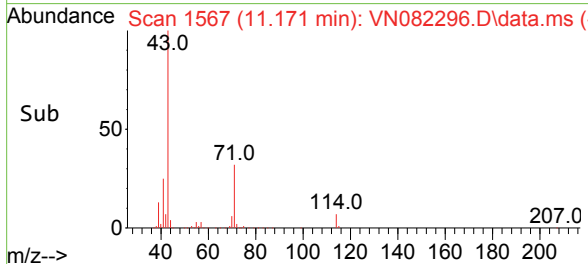
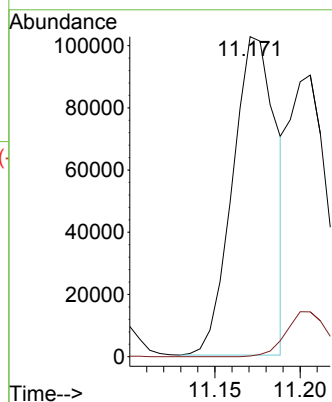
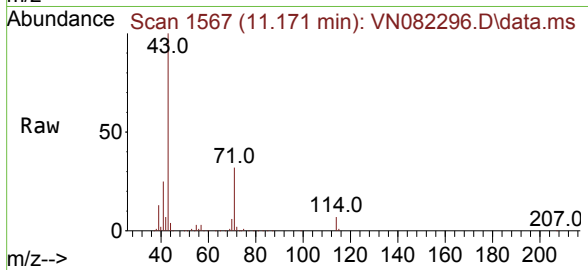




#59
2-Hexanone
Concen: 67.535 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

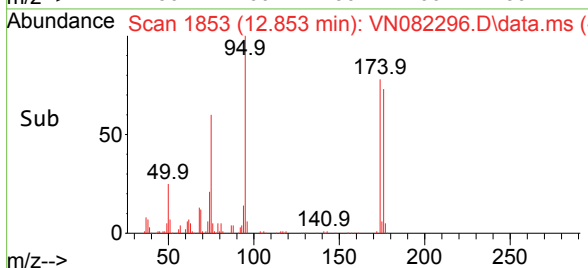
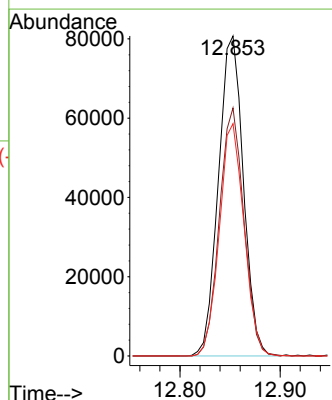
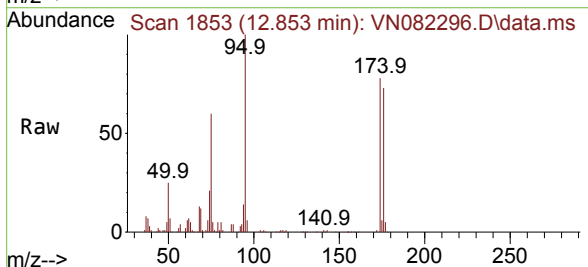
Instrument :
MSVOA_N
ClientSampleId :

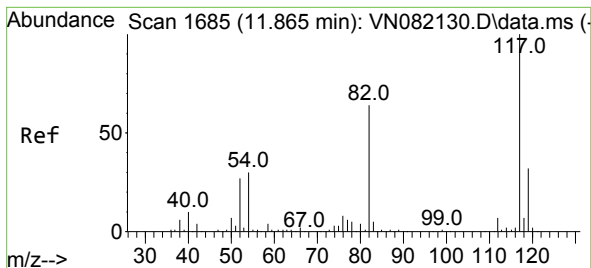
Tgt Ion: 43 Resp: 182285
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 52.093 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Tgt Ion: 95 Resp: 139062
Ion Ratio Lower Upper
95 100
174 76.2 0.0 160.6
176 71.9 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: VN082296.D

Acq: 22 May 2024 16:38

Instrument :

MSVOA_N

ClientSampleId :

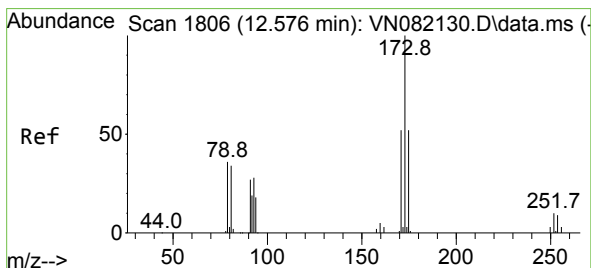
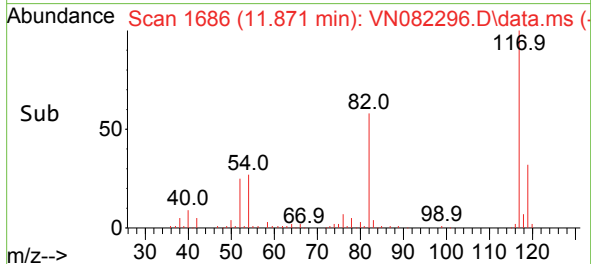
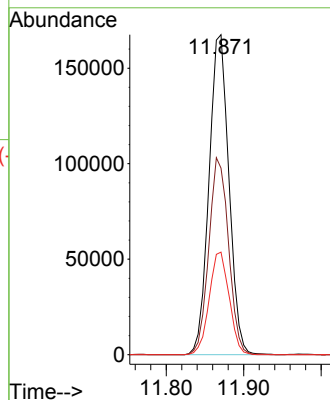
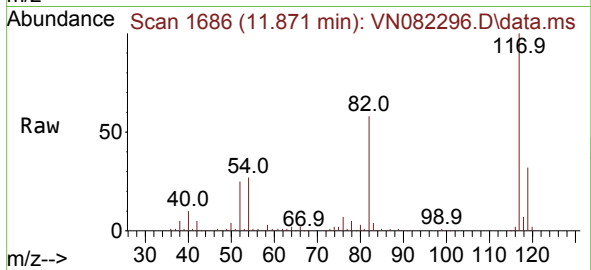
Tgt Ion:117 Resp: 299029

Ion Ratio Lower Upper

117 100

82 58.3 44.6 66.8

119 32.1 25.9 38.9



#71

Bromoform

Concen: 1.073 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN082296.D

Acq: 22 May 2024 16:38

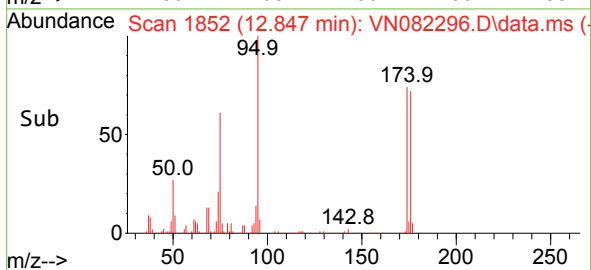
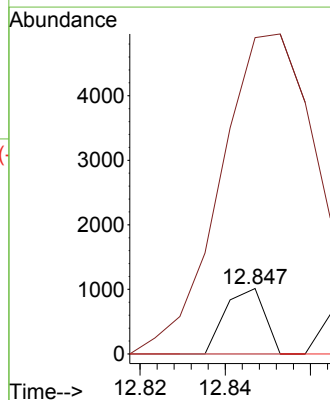
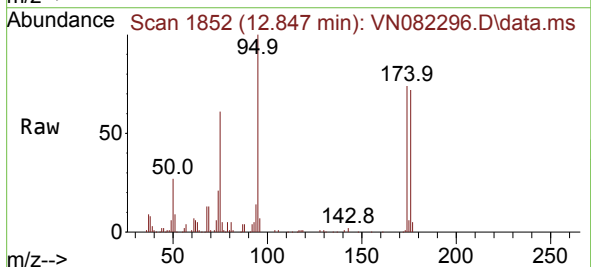
Tgt Ion:173 Resp: 653

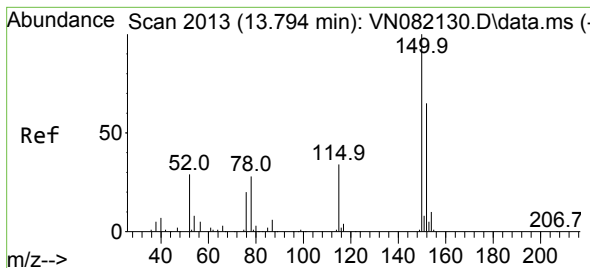
Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

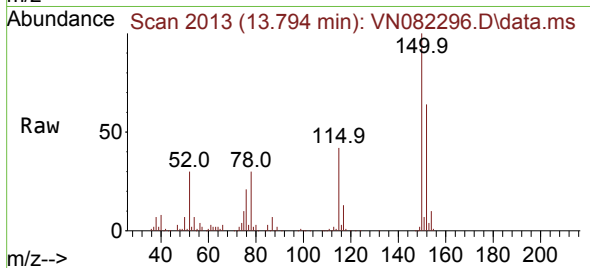
Lab File: VN082296.D

Acq: 22 May 2024 16:38

Instrument :

MSVOA_N

ClientSampleId :



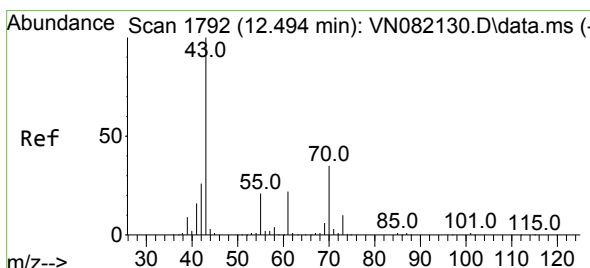
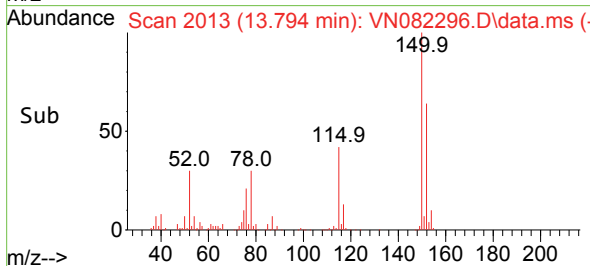
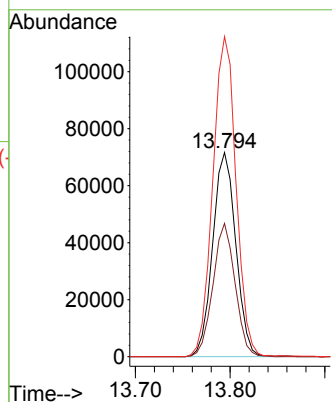
Tgt Ion:152 Resp: 121323

Ion Ratio Lower Upper

152 100

115 62.5 30.4 91.3

150 157.8 0.0 353.2



#74

N-ethyl acetate

Concen: 0.512 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN082296.D

Acq: 22 May 2024 16:38

Tgt Ion: 43 Resp: 2717

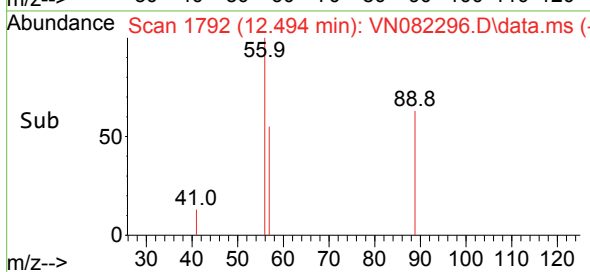
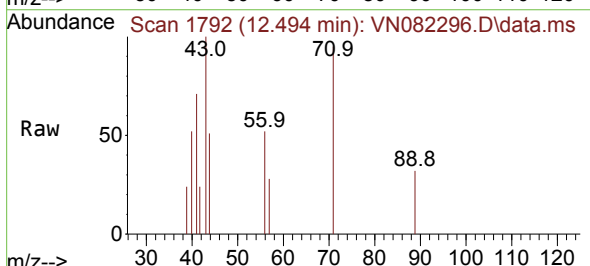
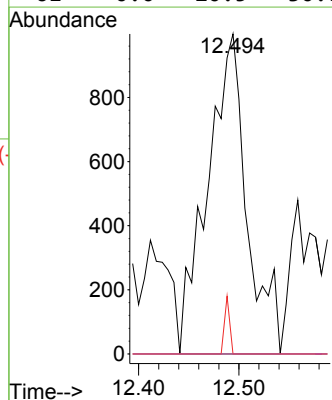
Ion Ratio Lower Upper

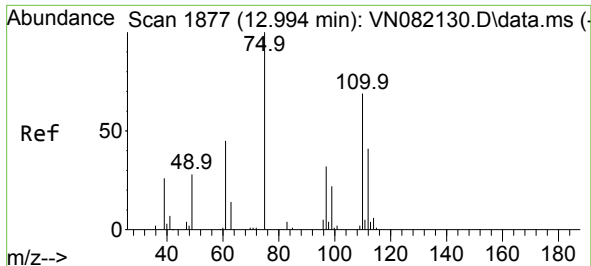
43 100

70 0.0 39.0 58.4#

55 2.4 21.3 31.9#

61 0.0 20.5 30.7#

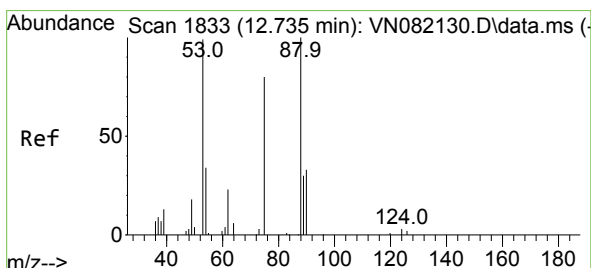
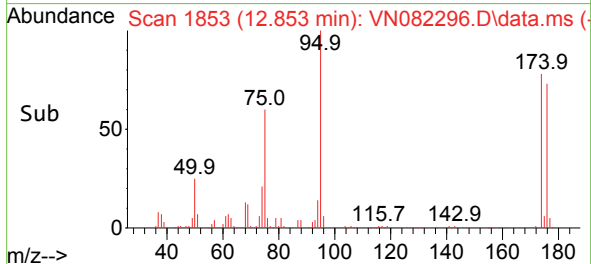
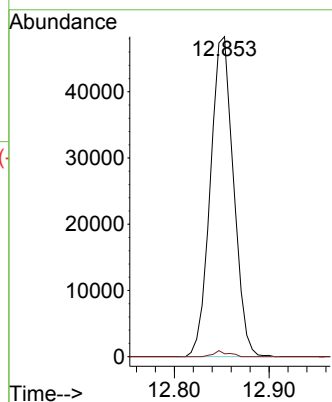
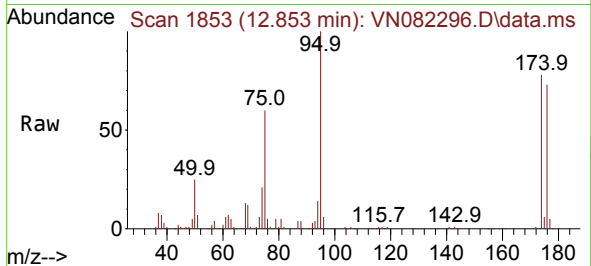




#76
1,2,3-Trichloropropane
Concen: 32.131 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 82048
Ion Ratio Lower Upper
75 100
77 1.2 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.153 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082296.D
Acq: 22 May 2024 16:38

Tgt Ion: 75 Resp: 82048
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

