

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082301.D
 Acq On : 22 May 2024 18:40
 Operator : JC\MD
 Sample : PB161037ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:56:24 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)

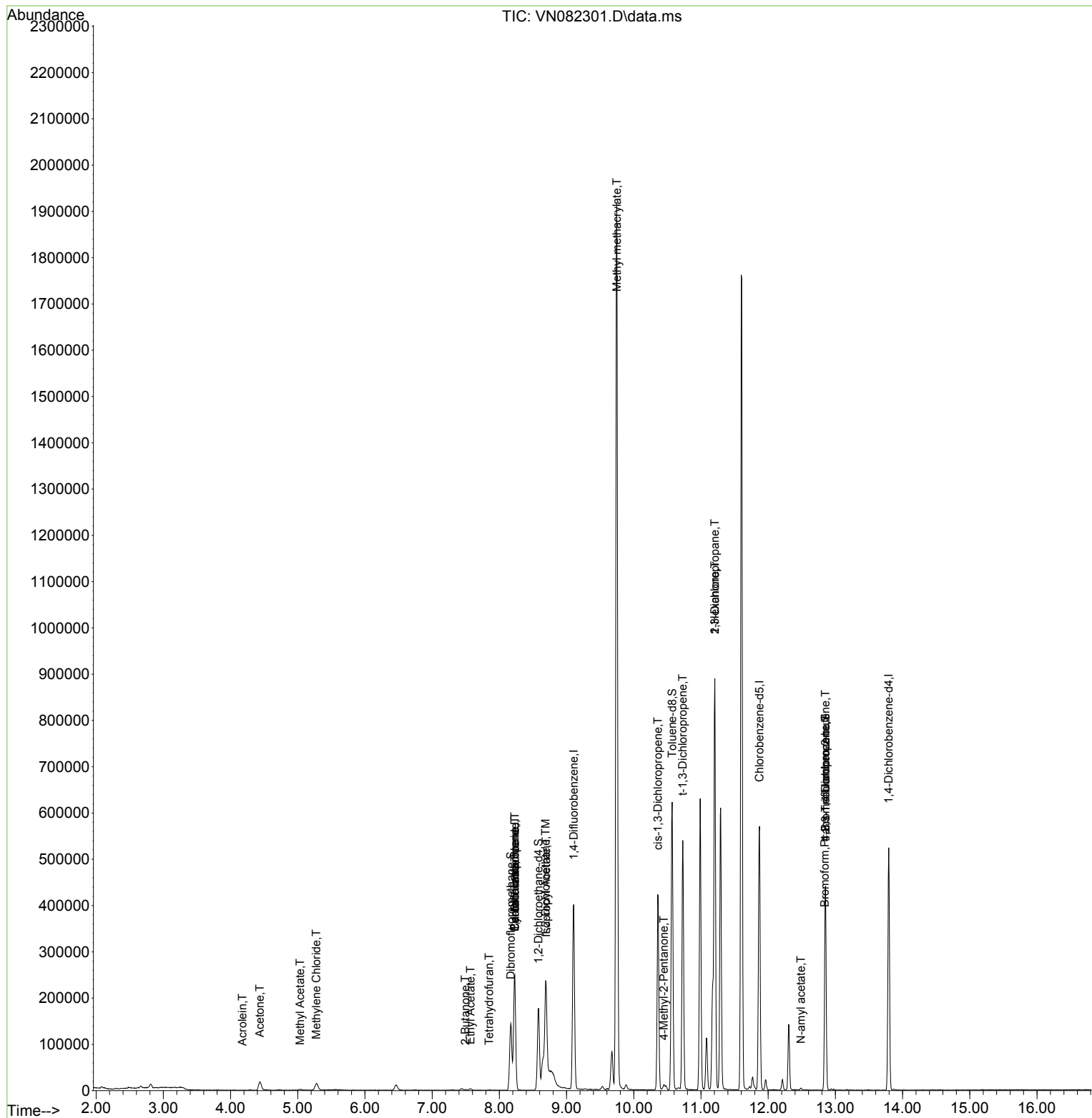
Internal Standards						
1) Pentafluorobenzene	8.230	168	172423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	313774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	301785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	144705	53.149	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.300%	
35) Dibromofluoromethane	8.171	113	100303	51.965	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.940%	
50) Toluene-d8	10.571	98	398673	53.873	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.740%	
62) 4-Bromofluorobenzene	12.853	95	142580	53.981	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 107.960%	
Target Compounds						
					Qvalue	
13) Acrolein	4.177	56	66	0.204	ug/l #	15
16) Acetone	4.436	43	36500	32.681	ug/l	89
18) Methyl Acetate	5.036	43	4696	1.688	ug/l #	78
20) Methylene Chloride	5.277	84	10424	4.626	ug/l #	74
25) 2-Butanone	7.494	43	3088	1.824	ug/l #	74
29) Tetrahydrofuran	7.847	42	902	0.830	ug/l #	38
31) Cyclohexane	8.230	56	5217	1.200	ug/l #	52
36) 1,1-Dichloropropene	8.230	75	16100	4.973	ug/l #	49
37) Ethyl Acetate	7.571	43	5383	1.486	ug/l #	86
38) Carbon Tetrachloride	8.230	117	18668	5.689	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1448	0.390	ug/l #	73
43) Isopropyl Acetate	8.694	43	366596	57.107	ug/l #	70
48) Methyl methacrylate	9.747	41	192981	63.089	ug/l #	37
51) 4-Methyl-2-Pentanone	10.447	43	8863	2.430	ug/l	87
53) t-1,3-Dichloropropene	10.729	75	1237	0.346	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	64085	16.957	ug/l #	75
57) 1,3-Dichloropropane	11.206	76	8249	2.096	ug/l #	42
59) 2-Hexanone	11.206	43	115142	43.115	ug/l #	52
71) Bromoform	12.841	173	368	0.909	ug/l #	28
74) N-amyl acetate	12.488	43	1886	0.335	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	82588	30.419	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82588	71.148	ug/l #	12

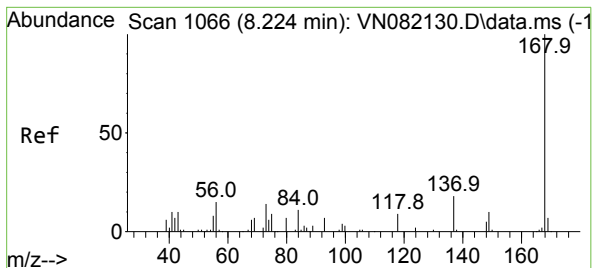
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

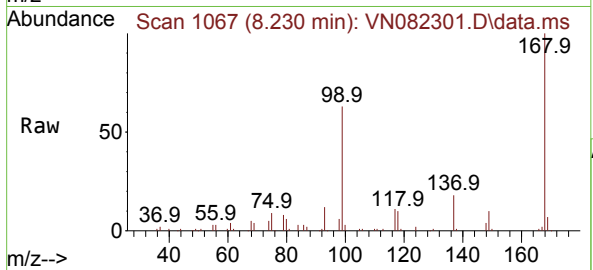
Lab File: VN082301.D

Acq: 22 May 2024 18:40

Instrument :

MSVOA_N

ClientSampleId :

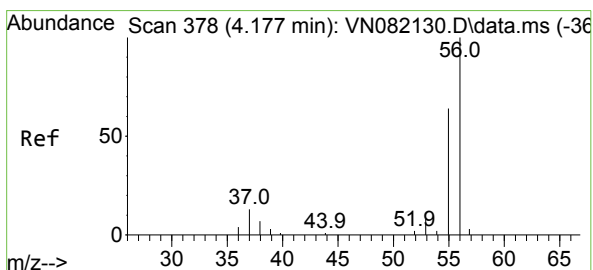
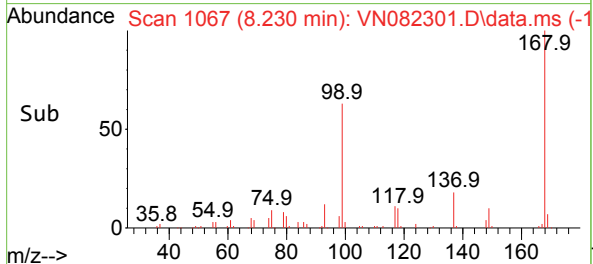
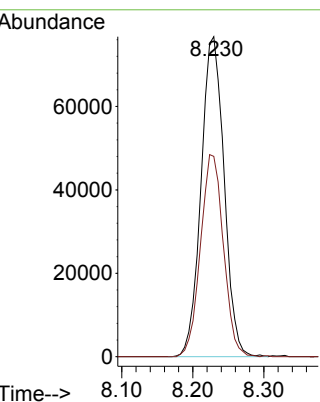


Tgt Ion:168 Resp: 172423

Ion Ratio Lower Upper

168 100

99 62.6 48.2 72.4



#13

Acrolein

Concen: 0.204 ug/l

RT: 4.177 min Scan# 378

Delta R.T. -0.000 min

Lab File: VN082301.D

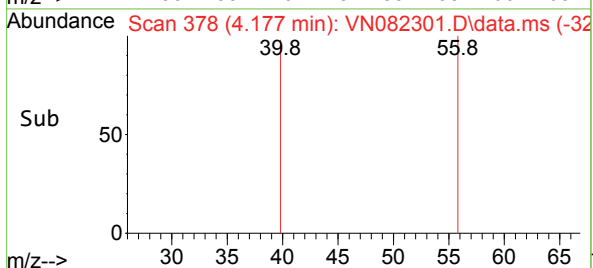
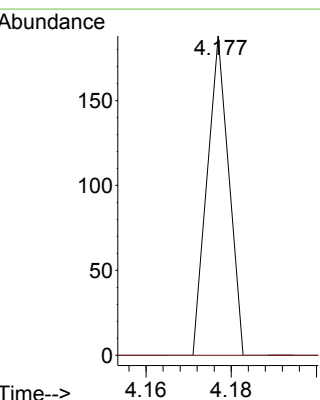
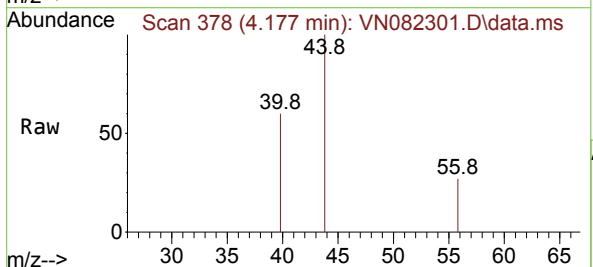
Acq: 22 May 2024 18:40

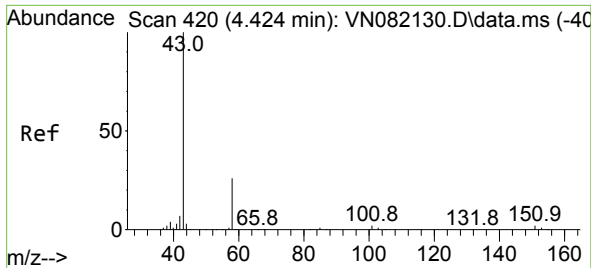
Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#

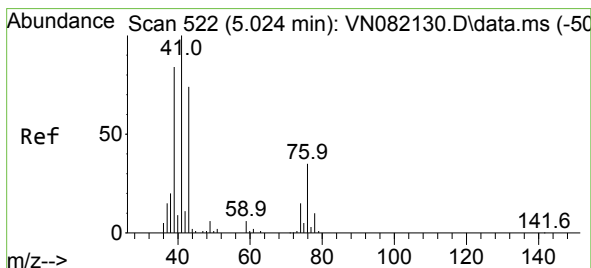
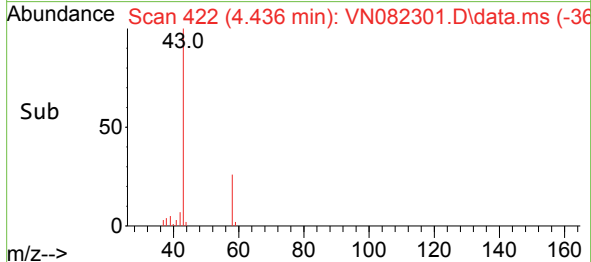
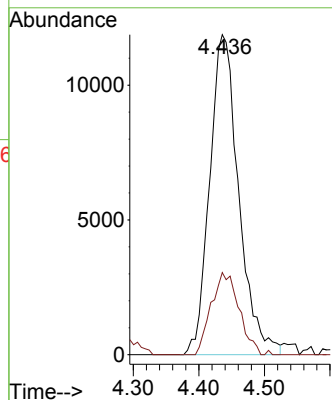
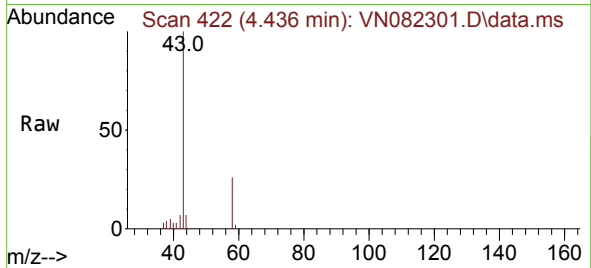




#16
Acetone
Concen: 32.681 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

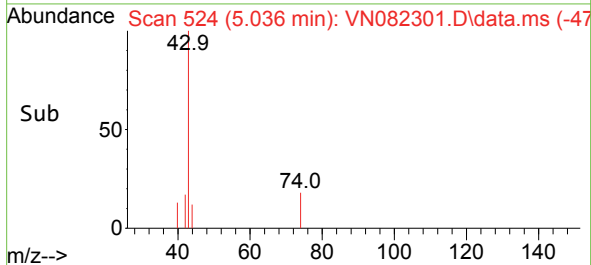
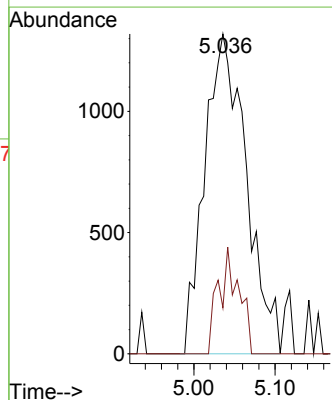
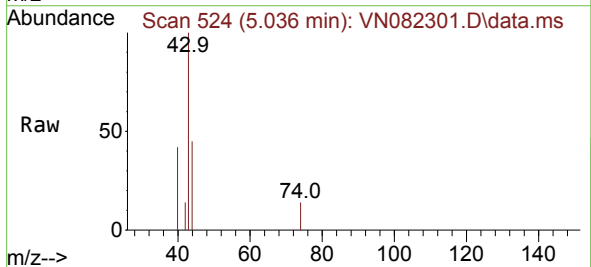
Instrument :
MSVOA_N
ClientSampleId :

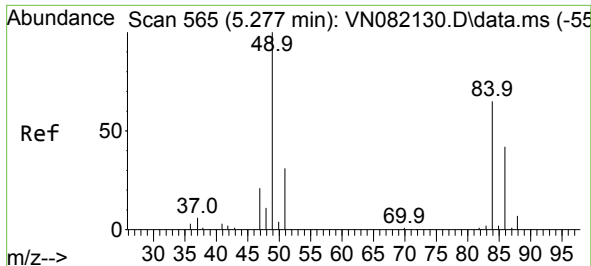
Tgt Ion: 43 Resp: 36500
Ion Ratio Lower Upper
43 100
58 25.7 25.2 37.8



#18
Methyl Acetate
Concen: 1.688 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

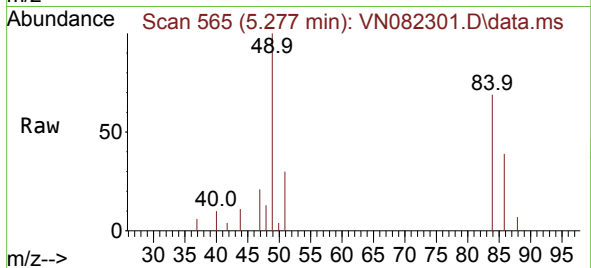
Tgt Ion: 43 Resp: 4696
Ion Ratio Lower Upper
43 100
74 16.3 22.2 33.2#



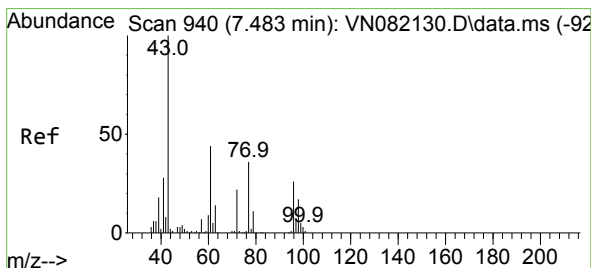
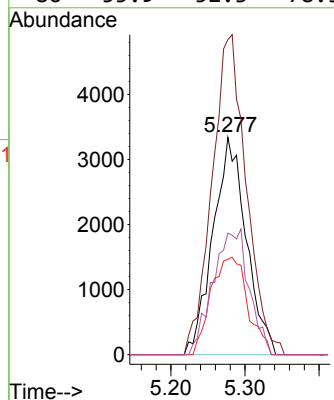


#20
Methylene Chloride
Concen: 4.626 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

Instrument :
MSVOA_N
ClientSampleId :

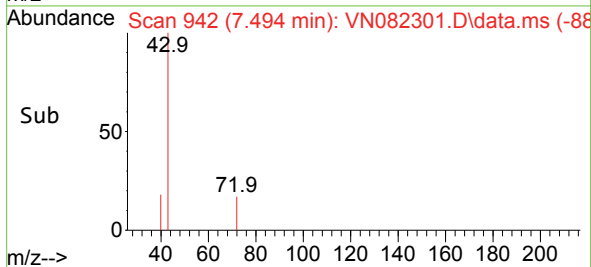
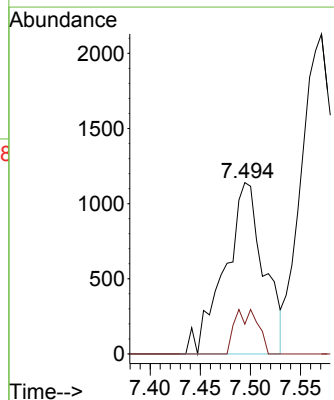
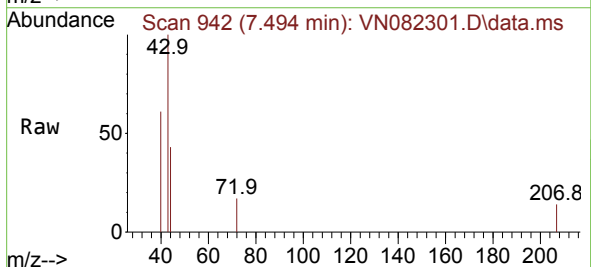


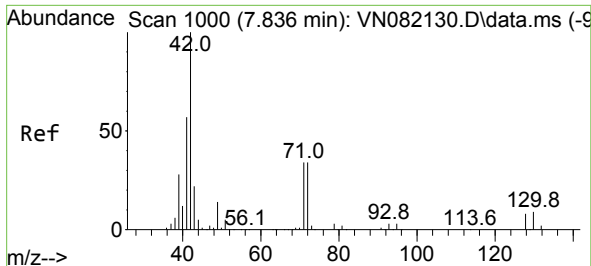
Tgt Ion:	84	Resp:	10424
Ion	Ratio	Lower	Upper
84	100		
49	145.0	84.9	127.3#
51	43.9	27.0	40.6#
86	55.9	52.3	78.5



#25
2-Butanone
Concen: 1.824 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

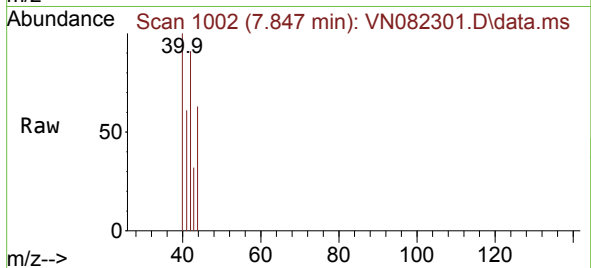
Tgt Ion:	43	Resp:	3088
Ion	Ratio	Lower	Upper
43	100		
72	17.4	25.3	37.9#



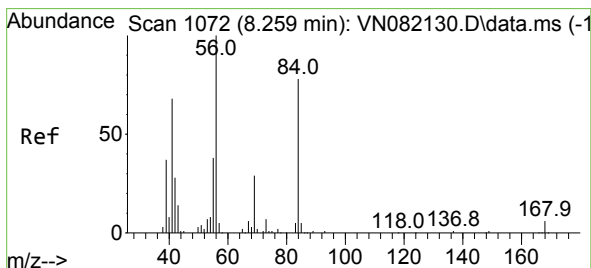
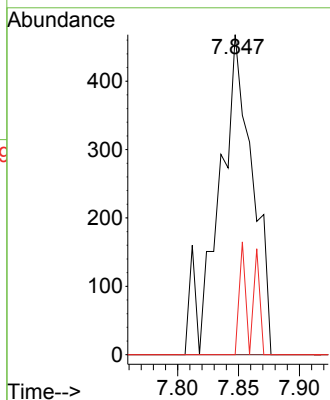
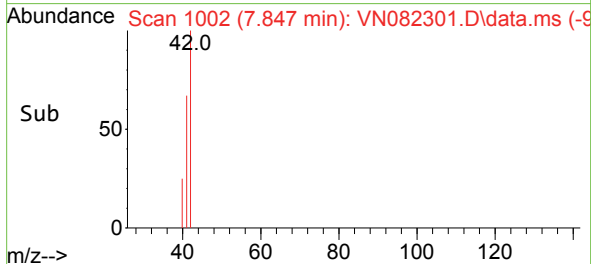


#29
Tetrahydrofuran
Concen: 0.830 ug/l
RT: 7.847 min Scan# 10
Delta R.T. 0.011 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

Instrument :
MSVOA_N
ClientSampleId :

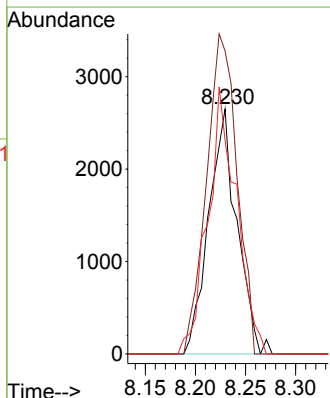
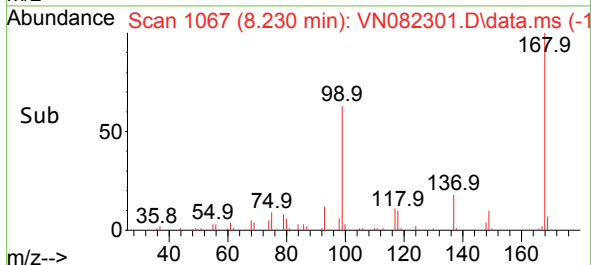
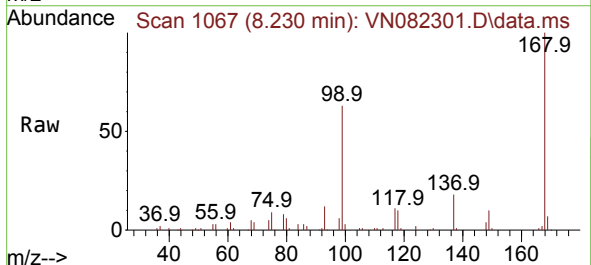


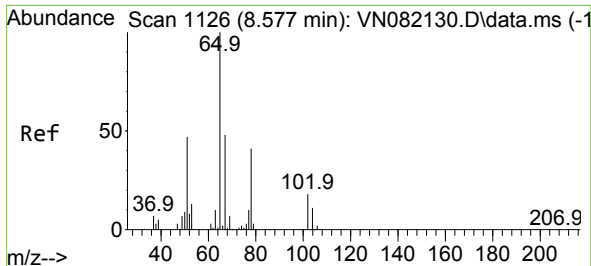
Tgt Ion: 42 Resp: 902
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 12.5 37.4 56.0#



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

Tgt Ion: 56 Resp: 5217
Ion Ratio Lower Upper
56 100
69 123.7 24.4 36.6#
84 87.3 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 53.149 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082301.D

Acq: 22 May 2024 18:40

Instrument :

MSVOA_N

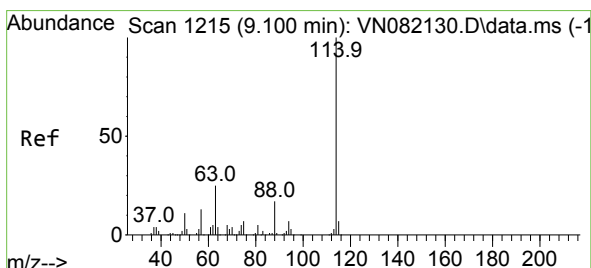
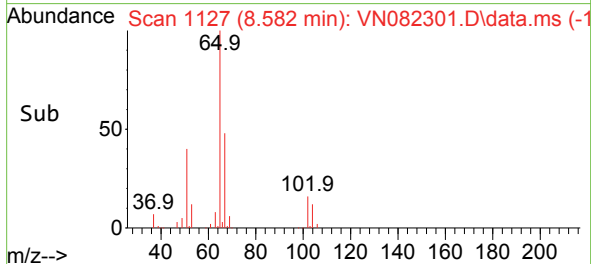
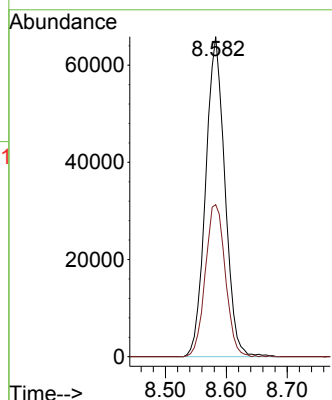
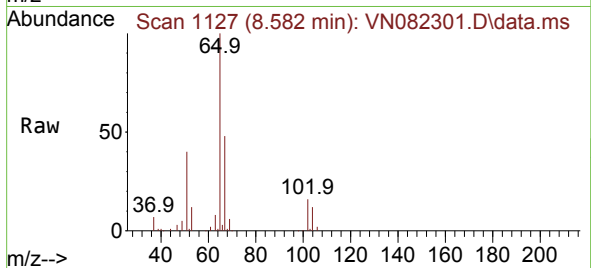
ClientSampleId :

Tgt Ion: 65 Resp: 144705

Ion Ratio Lower Upper

65 100

67 49.5 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: VN082301.D

Acq: 22 May 2024 18:40

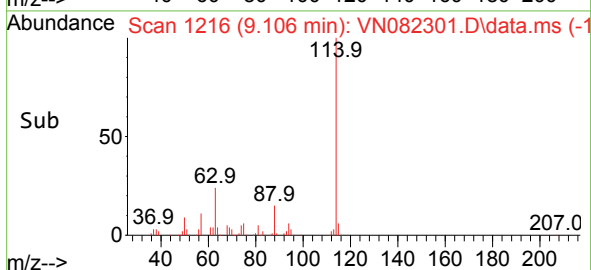
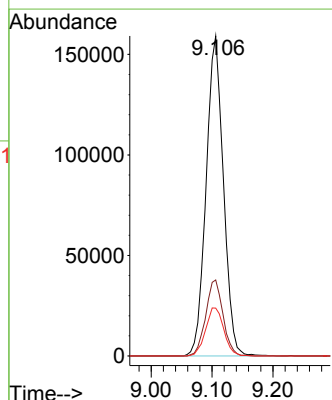
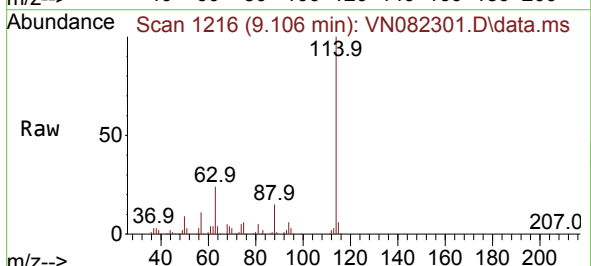
Tgt Ion: 114 Resp: 313774

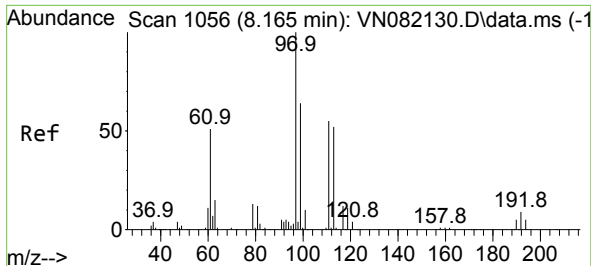
Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.0

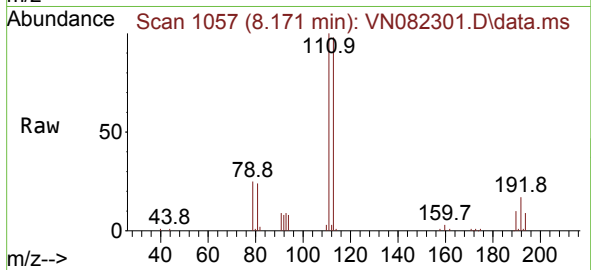
88 15.0 0.0 31.4



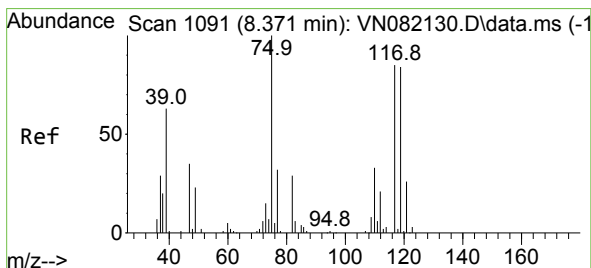
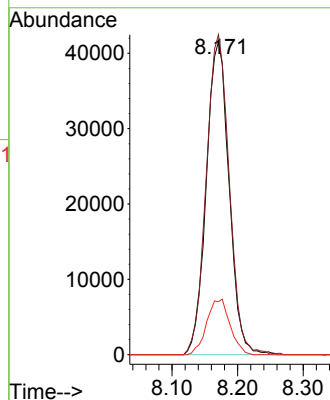
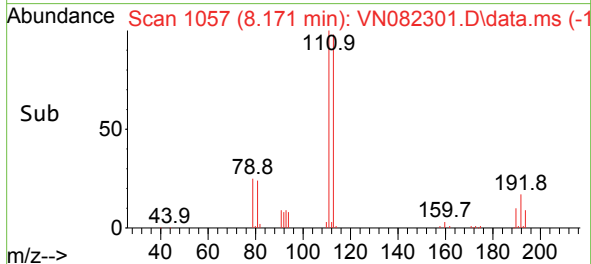


#35
 Dibromofluoromethane
 Concen: 51.965 ug/l
 RT: 8.171 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VN082301.D
 Acq: 22 May 2024 18:40

Instrument :
 MSVOA_N
 ClientSampleId :

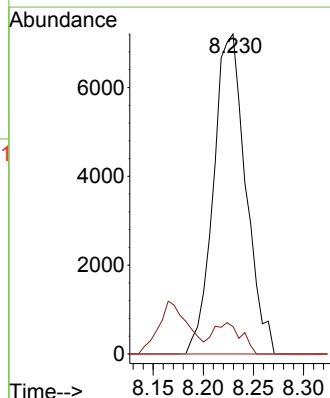
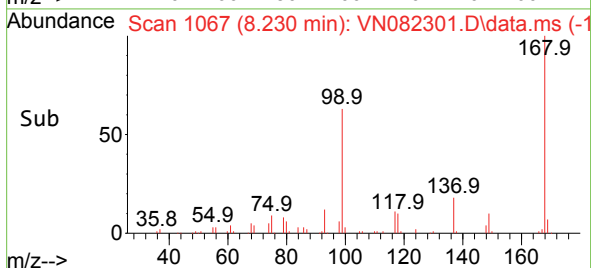
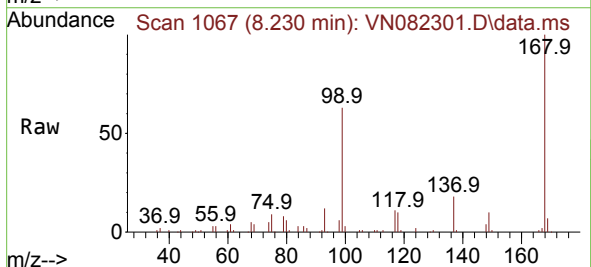


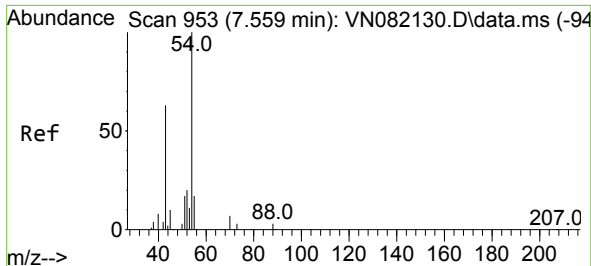
Tgt Ion:113 Resp: 100303
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.4 125.2
 192 18.1 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 4.973 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.141 min
 Lab File: VN082301.D
 Acq: 22 May 2024 18:40

Tgt Ion: 75 Resp: 16100
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.8 53.5#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.486 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

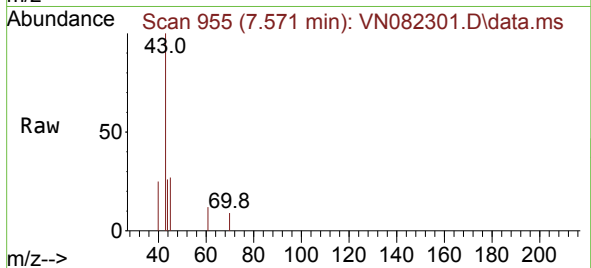
Lab File: VN082301.D

Acq: 22 May 2024 18:40

Instrument :

MSVOA_N

ClientSampleId :



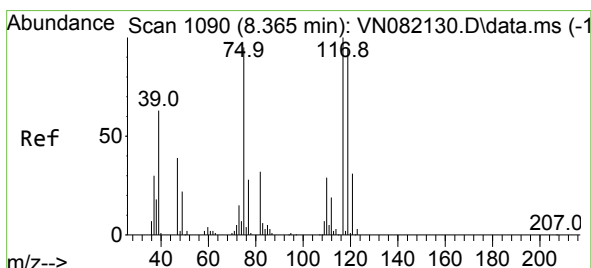
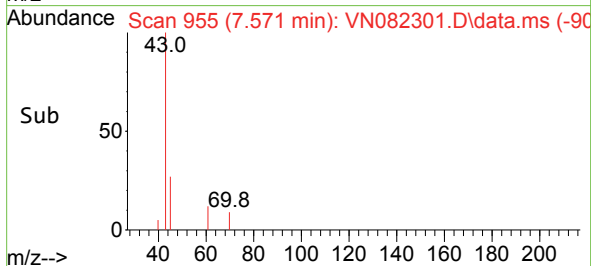
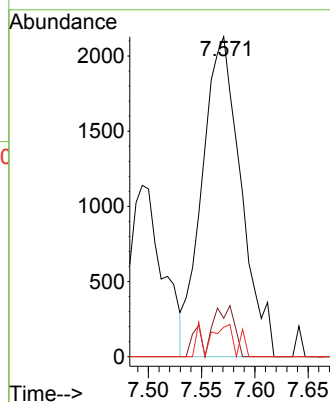
Tgt Ion: 43 Resp: 5383

Ion Ratio Lower Upper

43 100

61 8.4 11.3 16.9#

70 6.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.689 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082301.D

Acq: 22 May 2024 18:40

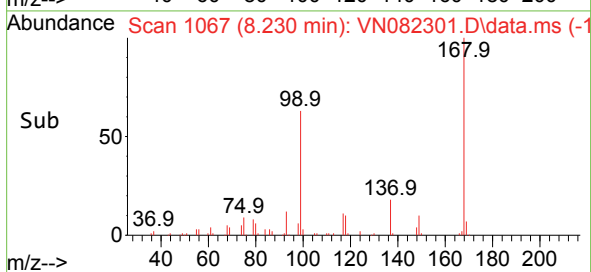
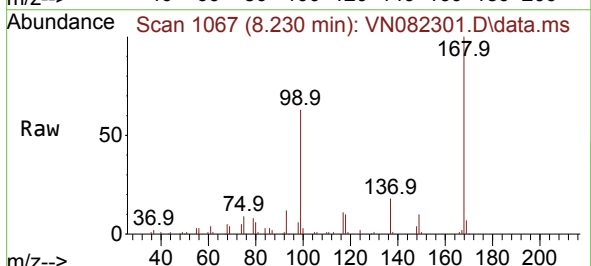
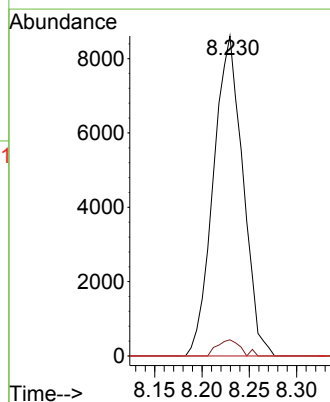
Tgt Ion: 117 Resp: 18668

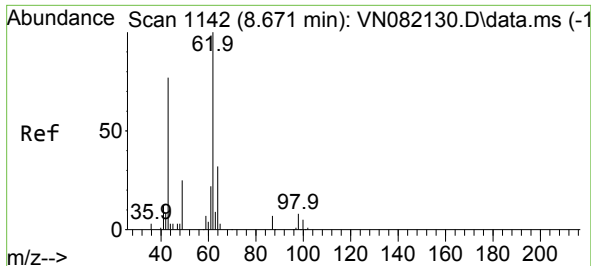
Ion Ratio Lower Upper

117 100

119 5.1 76.5 114.7#

121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.390 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082301.D

Acq: 22 May 2024 18:40

Instrument :

MSVOA_N

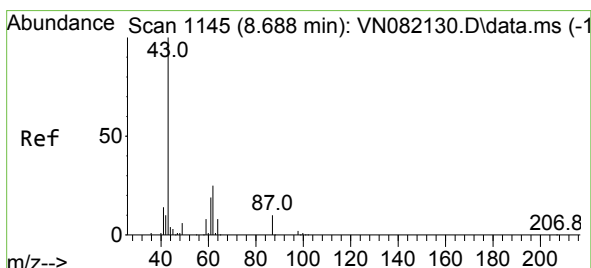
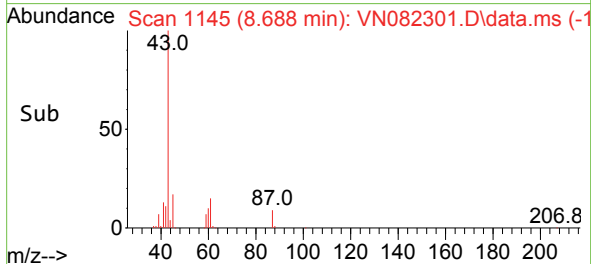
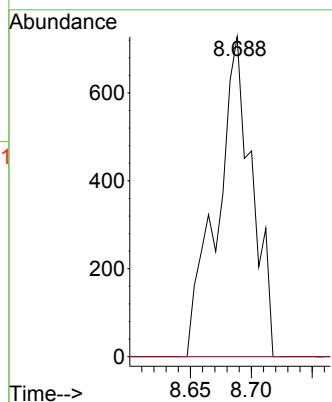
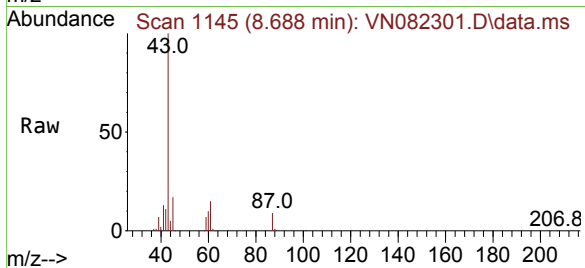
ClientSampleId :

Tgt Ion: 62 Resp: 1448

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 57.107 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082301.D

Acq: 22 May 2024 18:40

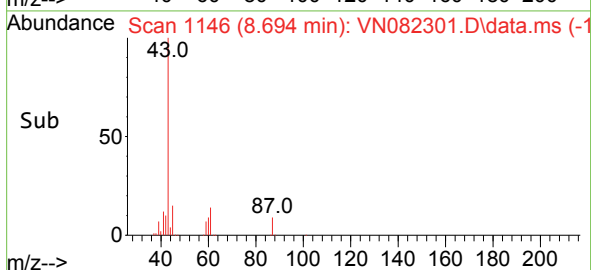
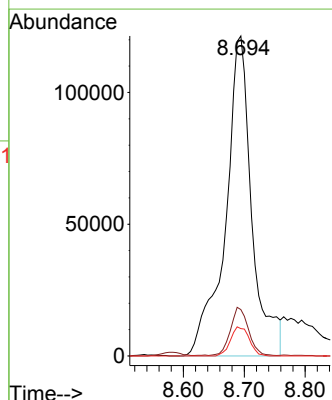
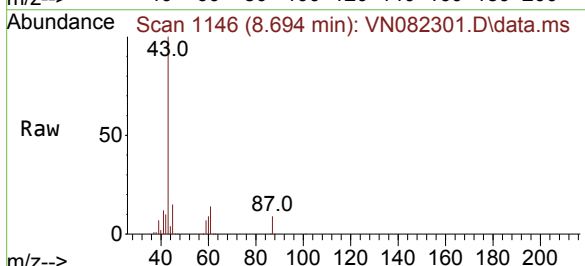
Tgt Ion: 43 Resp: 366596

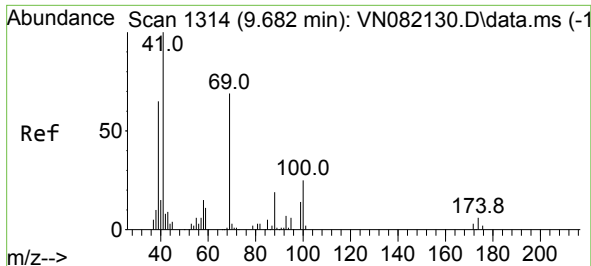
Ion Ratio Lower Upper

43 100

61 10.3 22.8 34.2#

87 6.4 12.0 18.0#

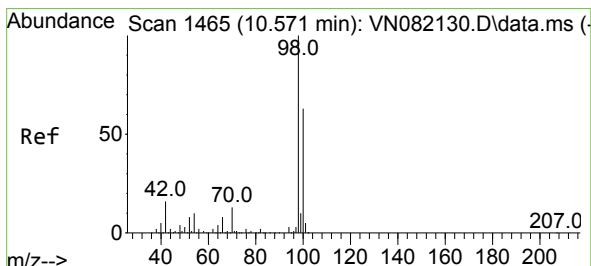
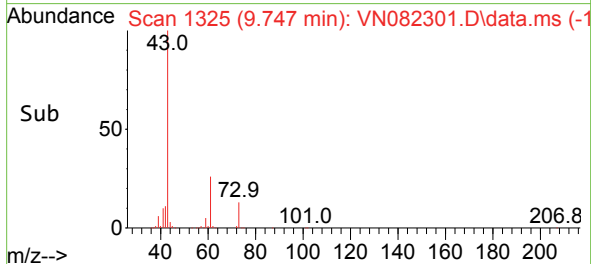
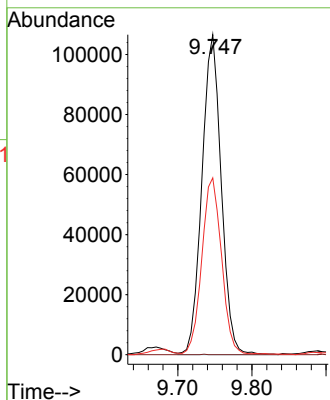
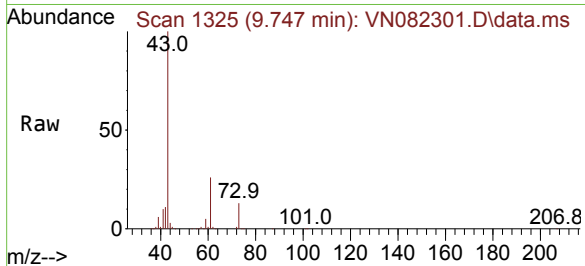




#48
Methyl methacrylate
Concen: 63.089 ug/l
RT: 9.747 min Scan# 1314
Delta R.T. 0.065 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

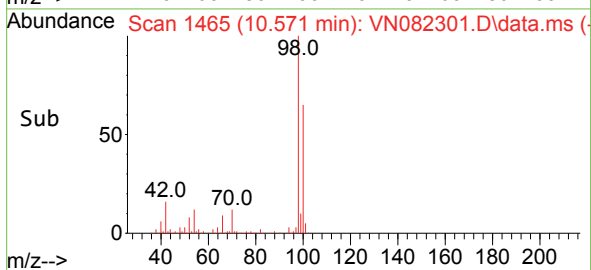
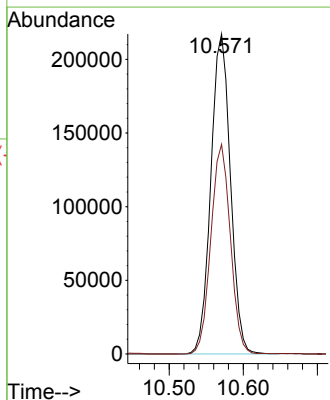
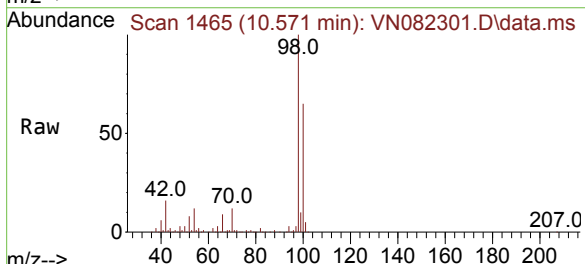
Instrument :
MSVOA_N
ClientSampleId :

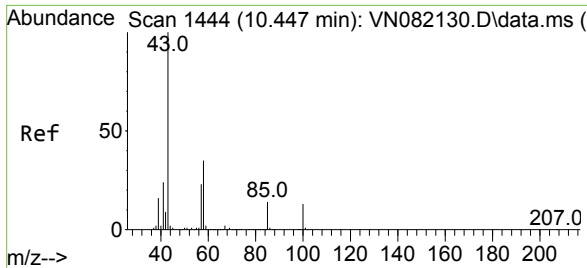
Tgt Ion: 41 Resp: 192981
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 56.8 50.9 76.3



#50
Toluene-d8
Concen: 53.873 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

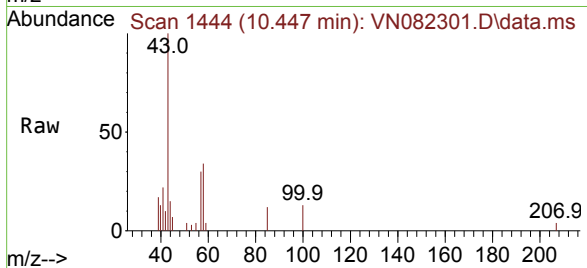
Tgt Ion: 98 Resp: 398673
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



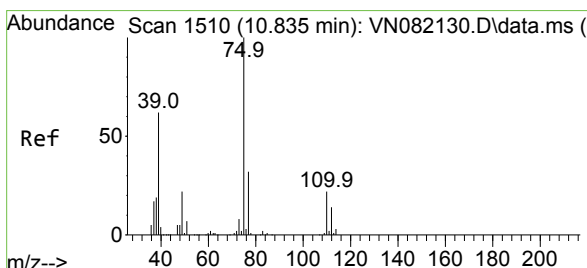
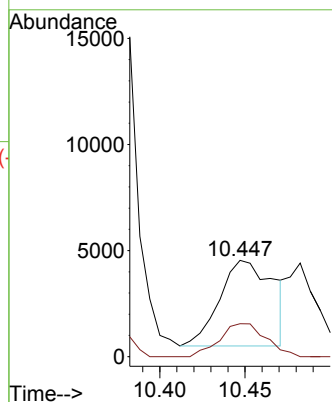
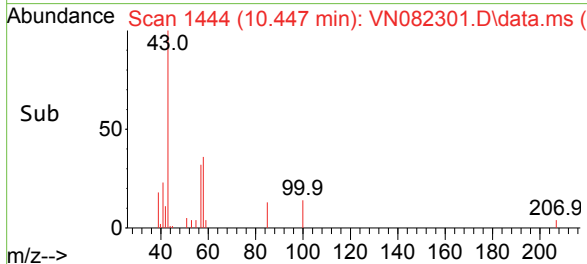


#51
4-Methyl-2-Pentanone
Concen: 2.430 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

Instrument :
MSVOA_N
ClientSampleId :

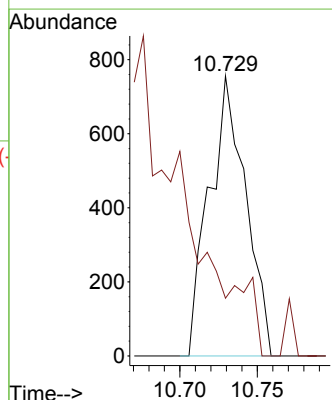
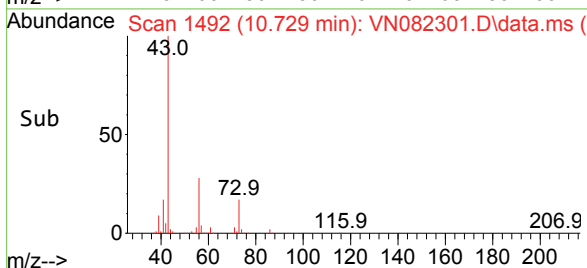
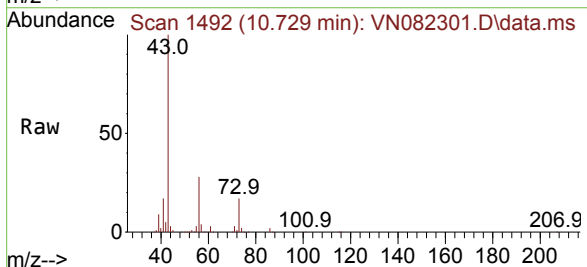


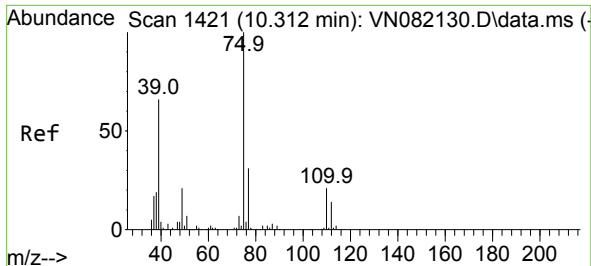
Tgt Ion: 43 Resp: 8863
Ion Ratio Lower Upper
43 100
58 33.4 33.2 49.8



#53
t-1,3-Dichloropropene
Concen: 0.346 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

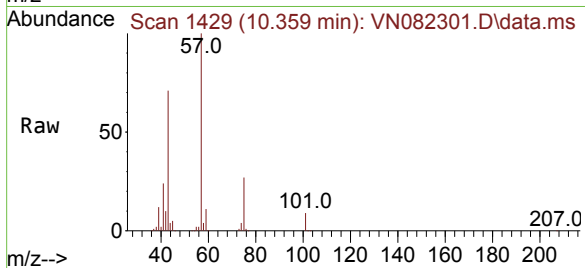
Tgt Ion: 75 Resp: 1237
Ion Ratio Lower Upper
75 100
77 20.6 25.4 38.0#



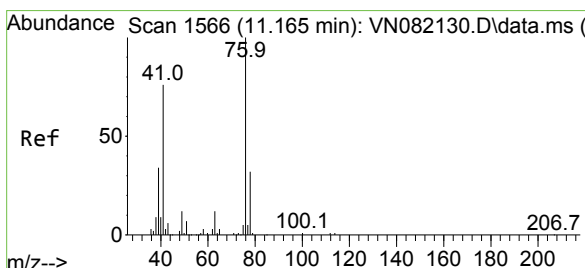
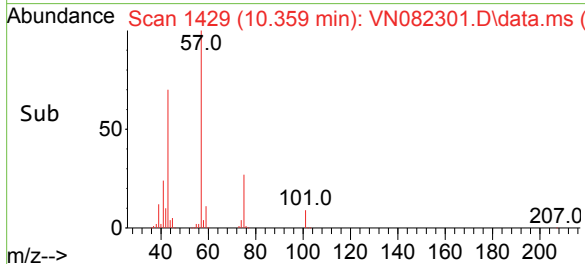
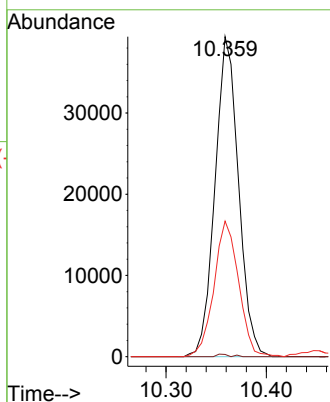


#54
 cis-1,3-Dichloropropene
 Concen: 16.957 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082301.D
 Acq: 22 May 2024 18:40

Instrument :
 MSVOA_N
 ClientSampleId :

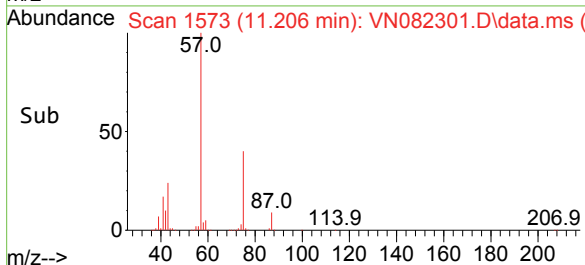
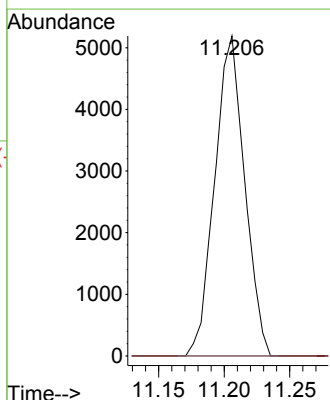
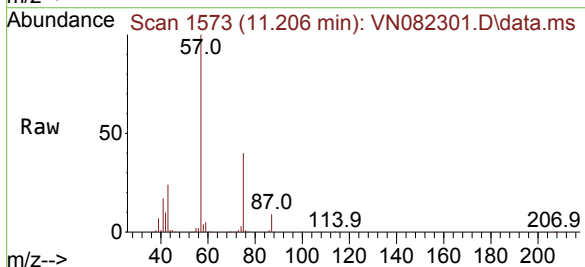


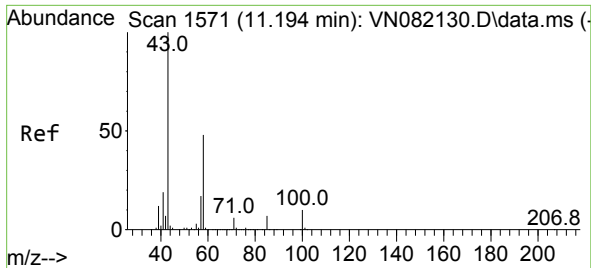
Tgt Ion: 75 Resp: 64085
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 41.9 34.8 52.2



#57
 1,3-Dichloropropane
 Concen: 2.096 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN082301.D
 Acq: 22 May 2024 18:40

Tgt Ion: 76 Resp: 8249
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

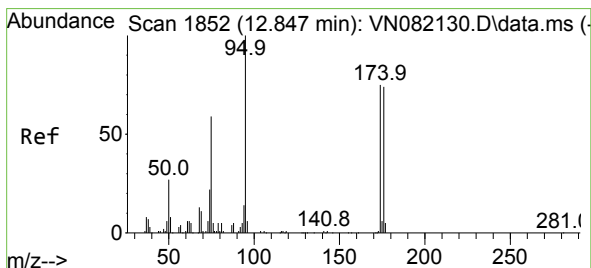
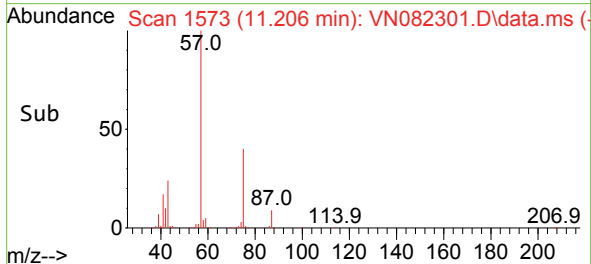
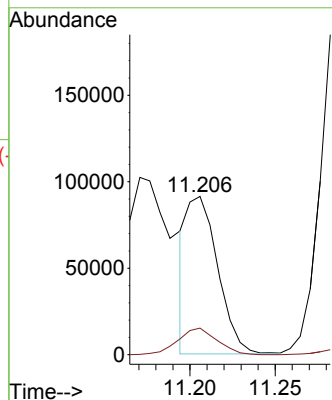
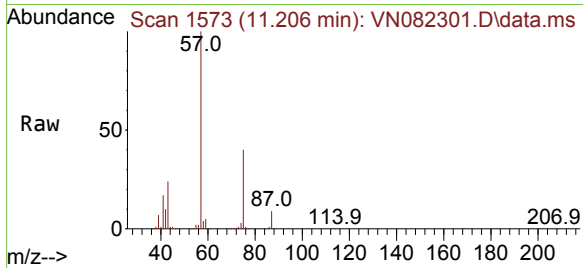




#59
2-Hexanone
Concen: 43.115 ug/l
RT: 11.206 min Scan# 115142
Delta R.T. 0.012 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

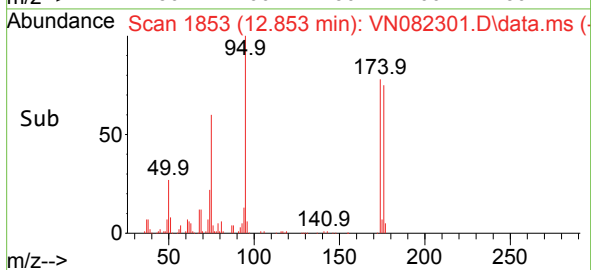
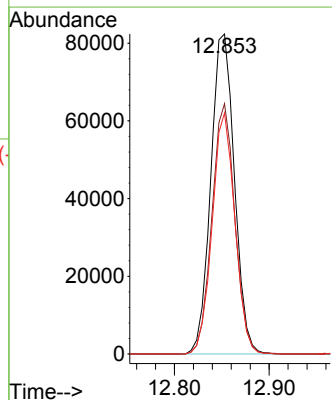
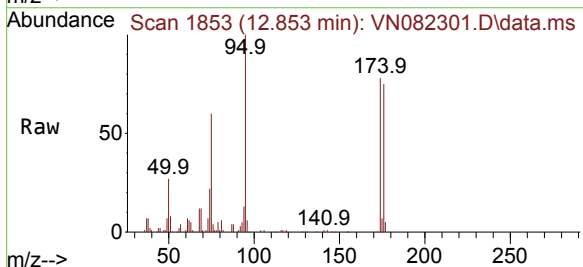
Instrument :
MSVOA_N
ClientSampleId :

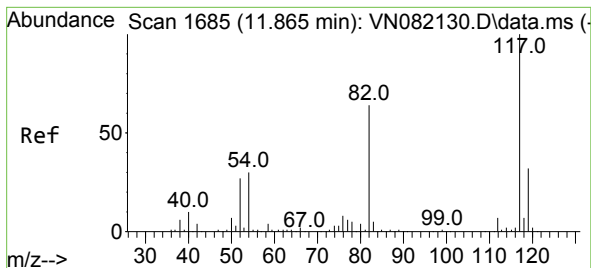
Tgt Ion: 43 Resp: 115142
Ion Ratio Lower Upper
43 100
58 21.3 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.981 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

Tgt Ion: 95 Resp: 142580
Ion Ratio Lower Upper
95 100
174 75.8 0.0 160.6
176 72.4 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: VN082301.D

Acq: 22 May 2024 18:40

Instrument :

MSVOA_N

ClientSampleId :

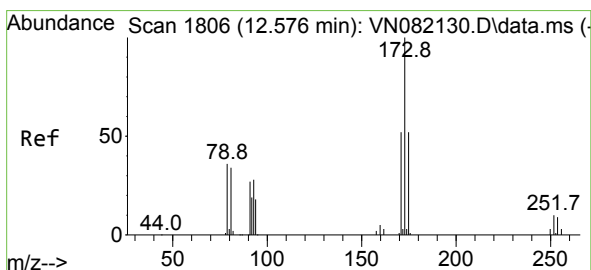
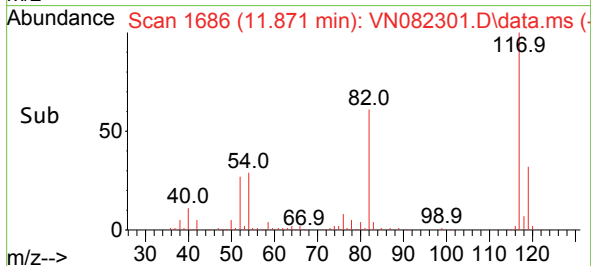
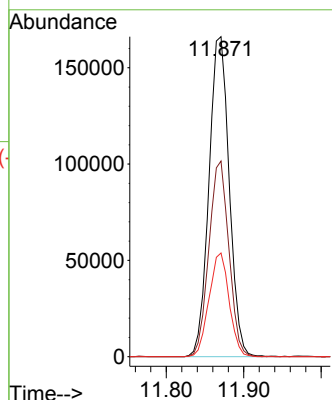
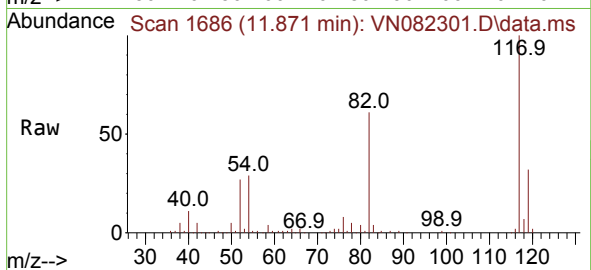
Tgt Ion:117 Resp: 301785

Ion Ratio Lower Upper

117 100

82 61.2 44.6 66.8

119 32.4 25.9 38.9



#71

Bromoform

Concen: 0.909 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN082301.D

Acq: 22 May 2024 18:40

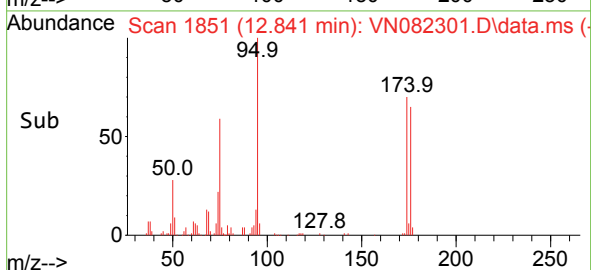
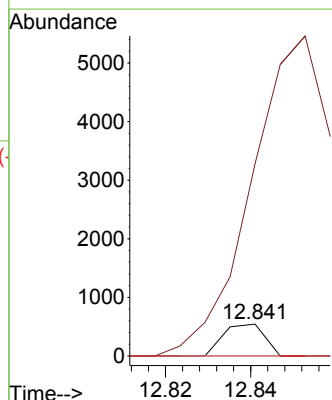
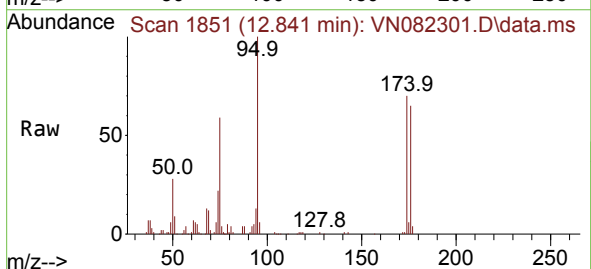
Tgt Ion:173 Resp: 368

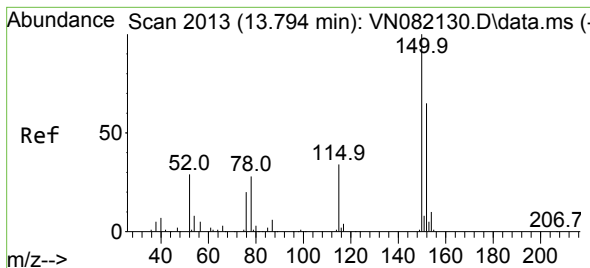
Ion Ratio Lower Upper

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# 20

Delta R.T. -0.000 min

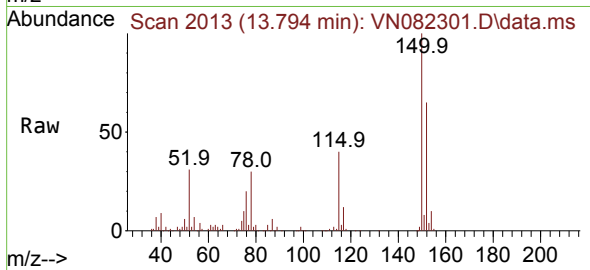
Lab File: VN082301.D

Acq: 22 May 2024 18:40

Instrument :

MSVOA_N

ClientSampleId :



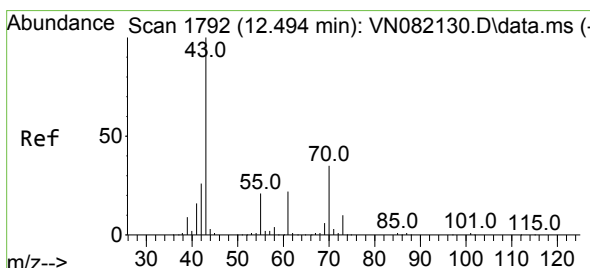
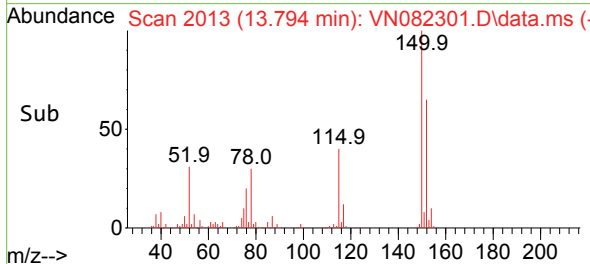
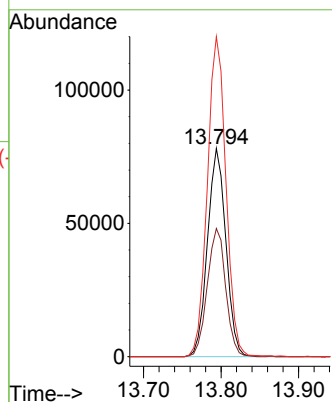
Tgt Ion:152 Resp: 128995

Ion Ratio Lower Upper

152 100

115 61.5 30.4 91.3

150 155.1 0.0 353.2



#74

N-ethyl acetate

Concen: 0.335 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN082301.D

Acq: 22 May 2024 18:40

Tgt Ion: 43 Resp: 1886

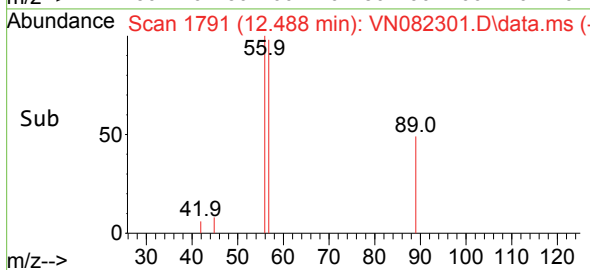
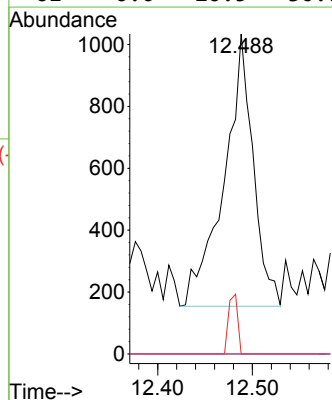
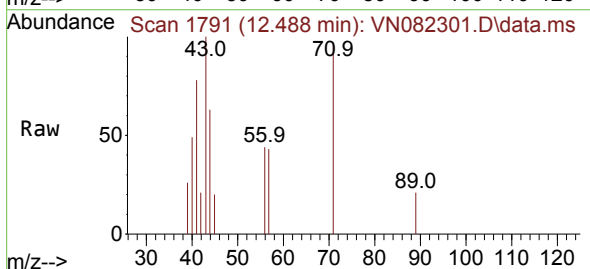
Ion Ratio Lower Upper

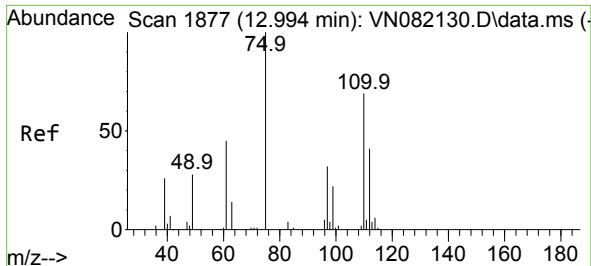
43 100

70 0.0 39.0 58.4#

55 6.8 21.3 31.9#

61 0.0 20.5 30.7#

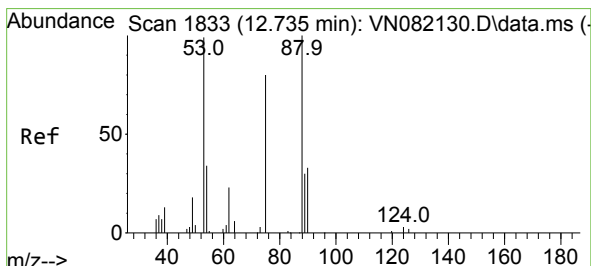
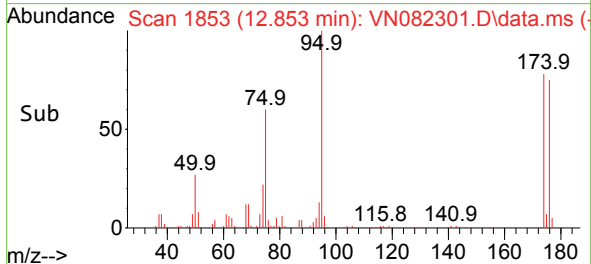
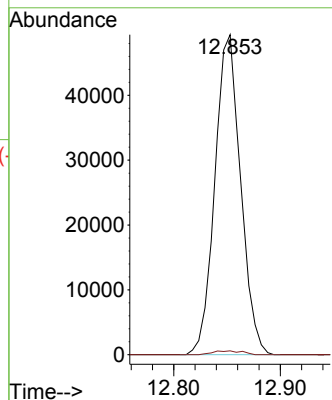
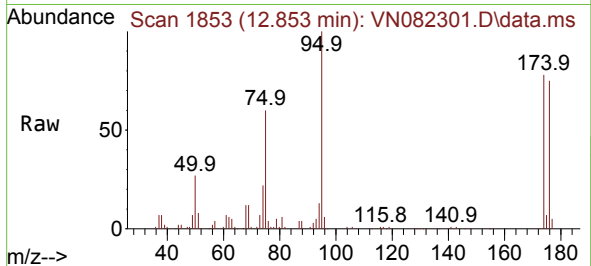




#76
1,2,3-Trichloropropane
Concen: 30.419 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 82588
Ion Ratio Lower Upper
75 100
77 1.4 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.148 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082301.D
Acq: 22 May 2024 18:40

Tgt Ion: 75 Resp: 82588
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

