

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082304.D
 Acq On : 22 May 2024 19:53
 Operator : JC\MD
 Sample : PB161037ZHE#17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:57:41 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)

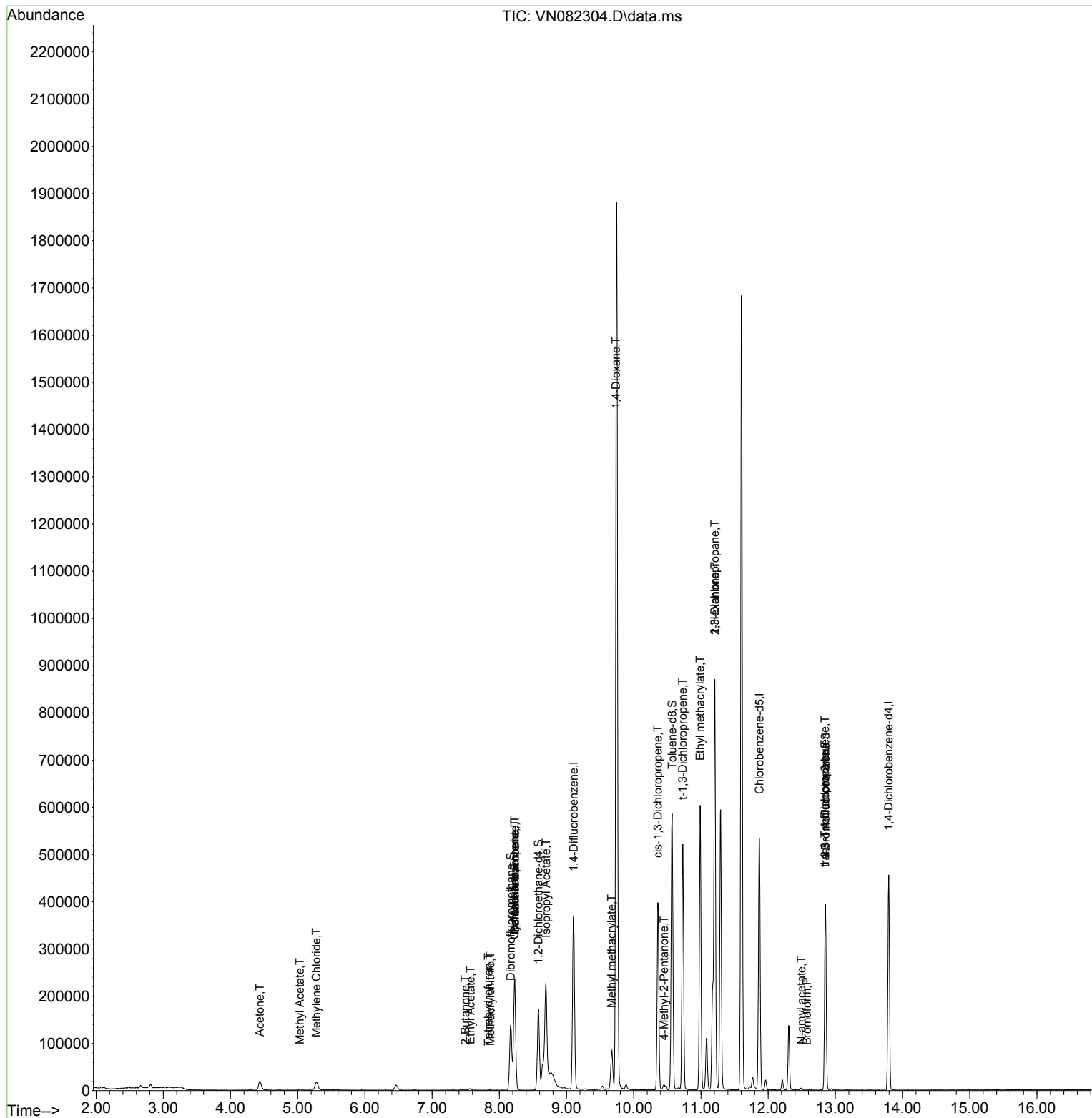
Internal Standards						
1) Pentafluorobenzene	8.230	168	158758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	295980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	282296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	138453	55.230	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.460%	
35) Dibromofluoromethane	8.171	113	96300	52.891	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.780%	
50) Toluene-d8	10.571	98	382575	54.806	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.620%	
62) 4-Bromofluorobenzene	12.853	95	126139	50.627	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.260%	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	36542	35.535	ug/l	90
18) Methyl Acetate	5.030	43	5068	1.979	ug/l #	76
20) Methylene Chloride	5.277	84	12493	6.021	ug/l #	65
25) 2-Butanone	7.494	43	2868	1.839	ug/l	90
29) Tetrahydrofuran	7.836	42	422	0.422	ug/l #	39
31) Cyclohexane	8.224	56	4887	1.221	ug/l #	36
36) 1,1-Dichloropropene	8.230	75	15406	5.045	ug/l #	49
37) Ethyl Acetate	7.571	43	5508	1.612	ug/l #	87
38) Carbon Tetrachloride	8.230	117	17744	5.732	ug/l #	17
41) Methacrylonitrile	7.865	41	578	0.288	ug/l #	28
43) Isopropyl Acetate	8.694	43	332577	54.922	ug/l #	72
48) Methyl methacrylate	9.671	41	6292	2.181	ug/l #	39
49) 1,4-Dioxane	9.735	88	110	2.721	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	8466	2.461	ug/l #	86
53) t-1,3-Dichloropropene	10.730	75	1275	0.379	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	63420	17.790	ug/l #	74
56) Ethyl methacrylate	10.988	69	1593	0.472	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7909	2.130	ug/l #	42
59) 2-Hexanone	11.206	43	112986	44.851	ug/l #	51
71) Bromoform	12.576	173	60	0.737	ug/l #	28
74) N-amyl acetate	12.494	43	1833	0.375	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	75040	31.912	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75040	74.641	ug/l #	12

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

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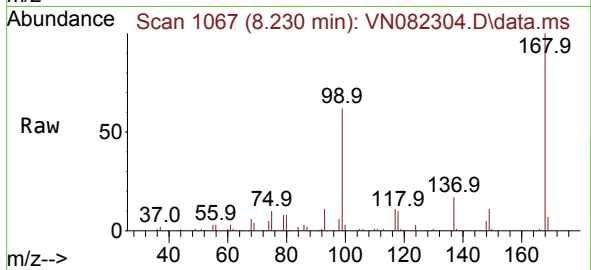
Quant Time: May 23 01:57:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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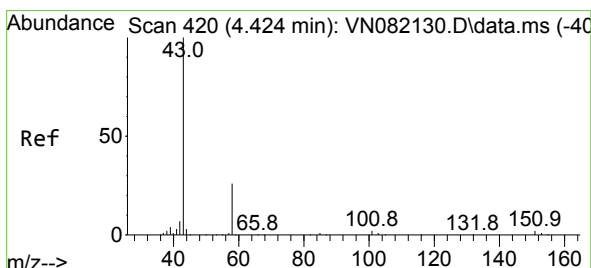
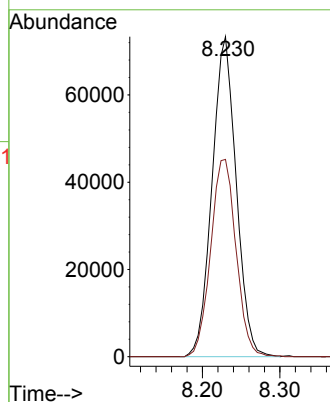
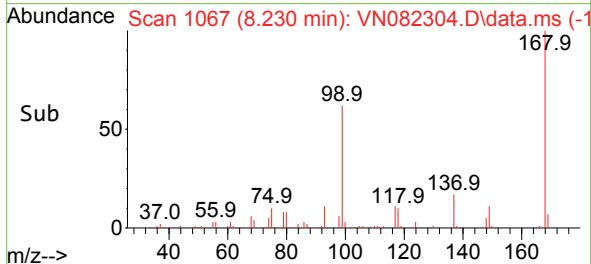


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

Instrument :
MSVOA_N
ClientSampleId :

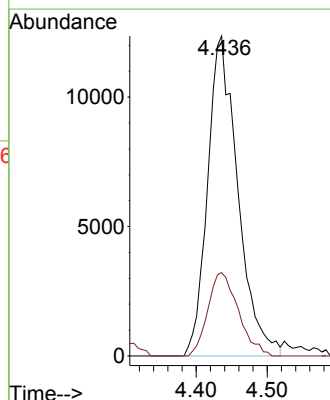
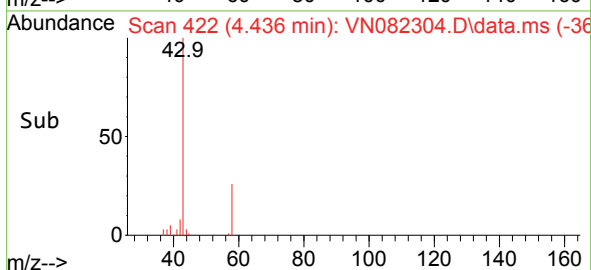
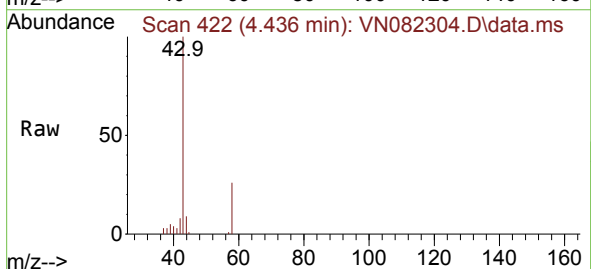


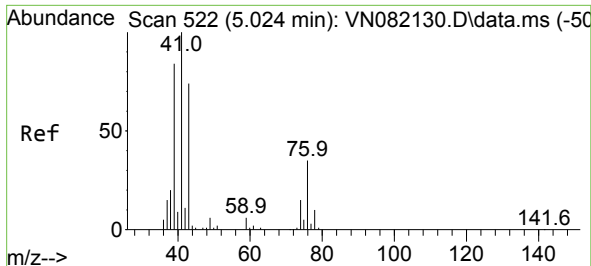
Tgt Ion:168 Resp: 158758
Ion Ratio Lower Upper
168 100
99 61.7 48.2 72.4



#16
Acetone
Concen: 35.535 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

Tgt Ion: 43 Resp: 36542
Ion Ratio Lower Upper
43 100
58 26.0 25.2 37.8





#18

Methyl Acetate

Concen: 1.979 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

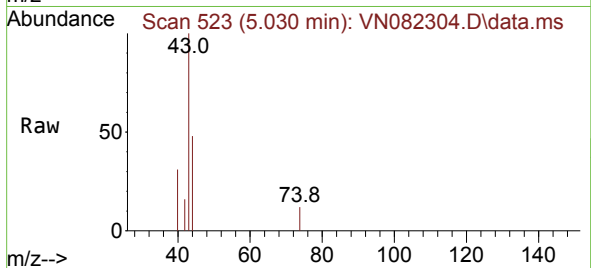
Lab File: VN082304.D

Acq: 22 May 2024 19:53

Instrument :

MSVOA_N

ClientSampleId :

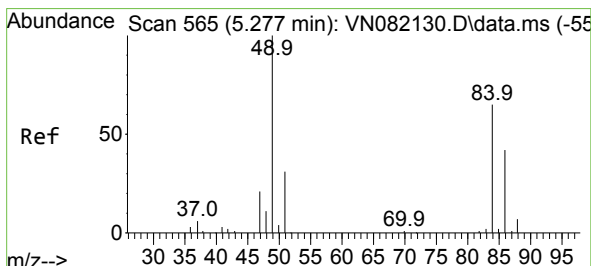
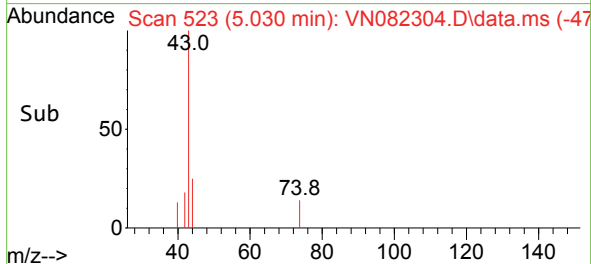
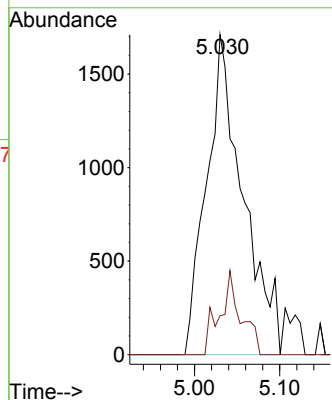


Tgt Ion: 43 Resp: 5068

Ion Ratio Lower Upper

43 100

74 15.4 22.2 33.2#



#20

Methylene Chloride

Concen: 6.021 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN082304.D

Acq: 22 May 2024 19:53

Tgt Ion: 84 Resp: 12493

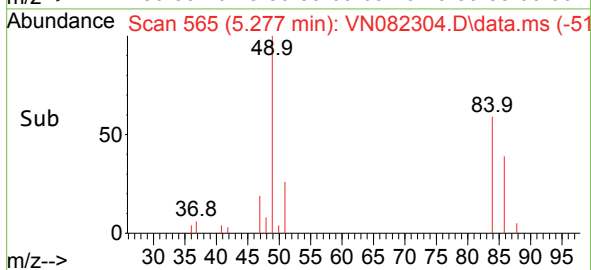
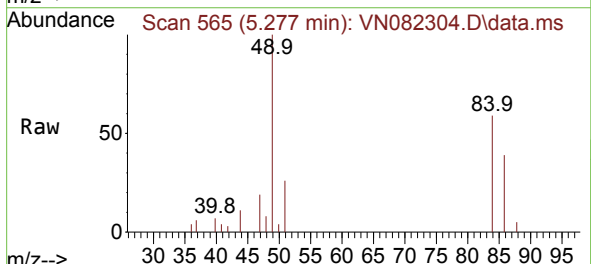
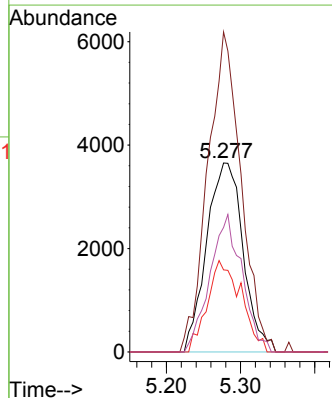
Ion Ratio Lower Upper

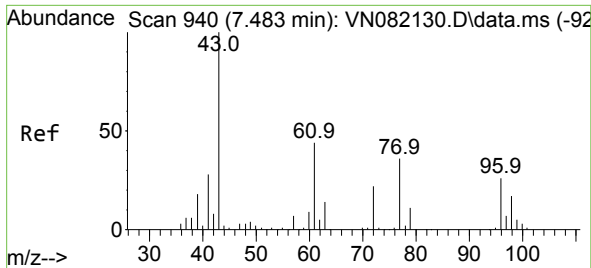
84 100

49 169.4 84.9 127.3#

51 43.4 27.0 40.6#

86 65.9 52.3 78.5

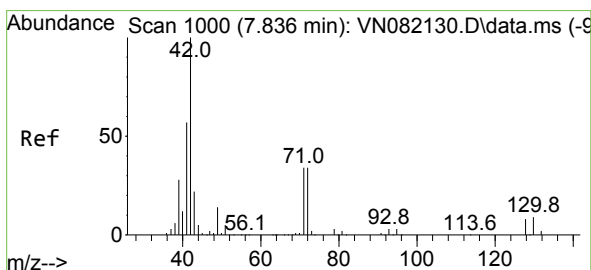
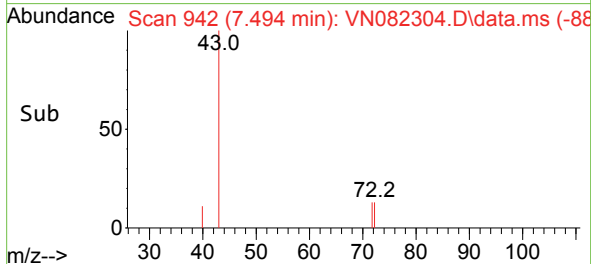
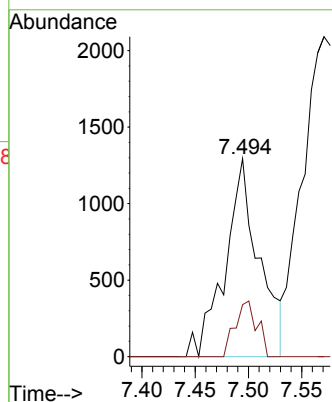
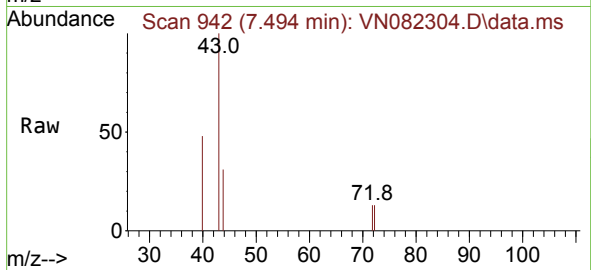




#25
2-Butanone
Concen: 1.839 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

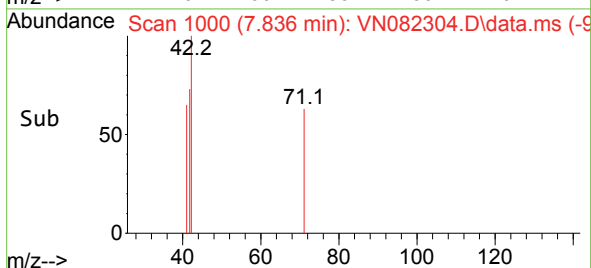
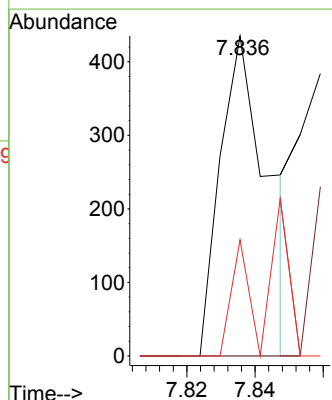
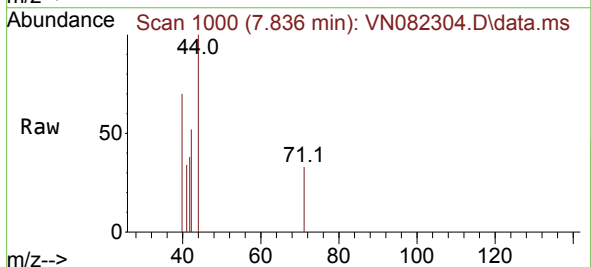
Instrument :
MSVOA_N
ClientSampleId :

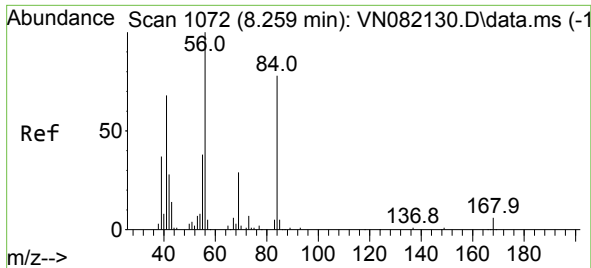
Tgt Ion: 43 Resp: 2868
Ion Ratio Lower Upper
43 100
72 26.3 25.3 37.9



#29
Tetrahydrofuran
Concen: 0.422 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

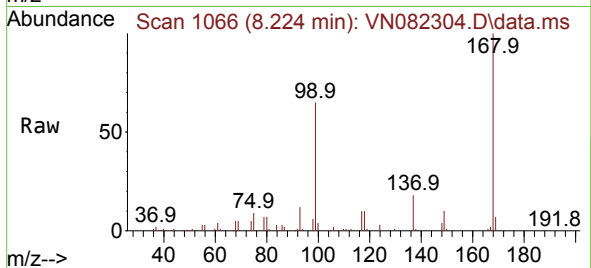
Tgt Ion: 42 Resp: 422
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 13.3 37.4 56.0#



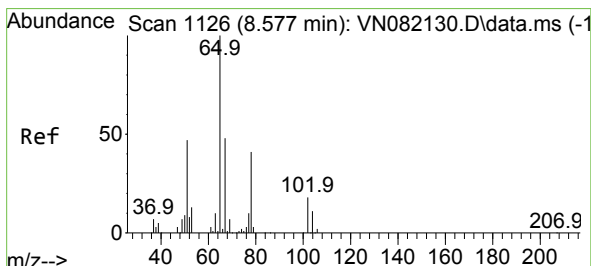
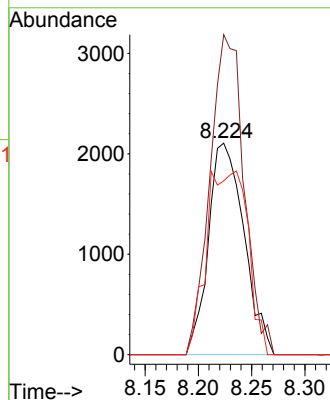
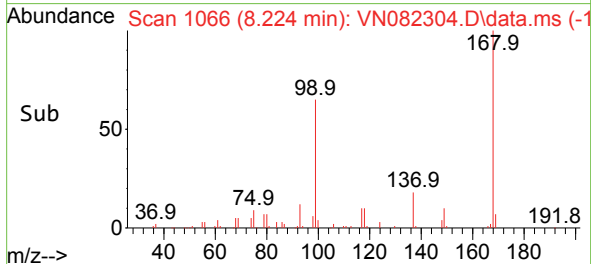


#31
Cyclohexane
Concen: 1.221 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

Instrument :
MSVOA_N
ClientSampleId :

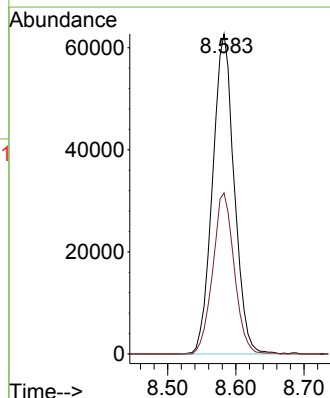
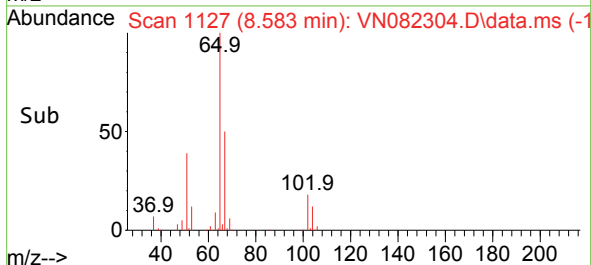
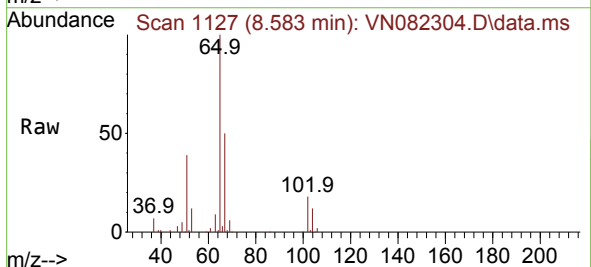


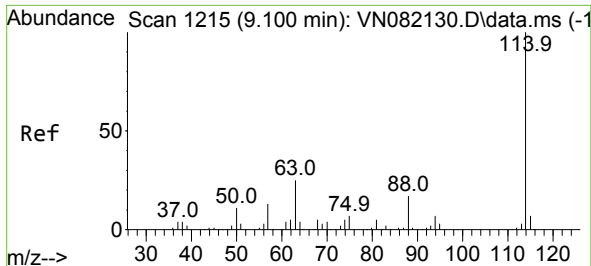
Tgt Ion: 56 Resp: 4887
Ion Ratio Lower Upper
56 100
69 151.3 24.4 36.6#
84 82.1 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 55.230 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

Tgt Ion: 65 Resp: 138453
Ion Ratio Lower Upper
65 100
67 49.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082304.D

Acq: 22 May 2024 19:53

Instrument :

MSVOA_N

ClientSampleId :

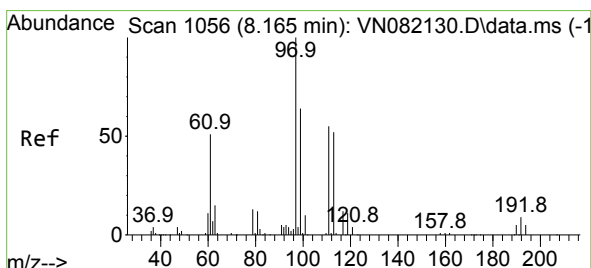
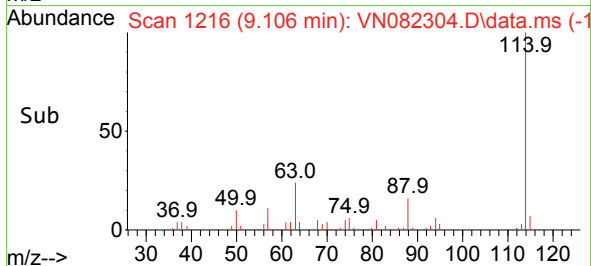
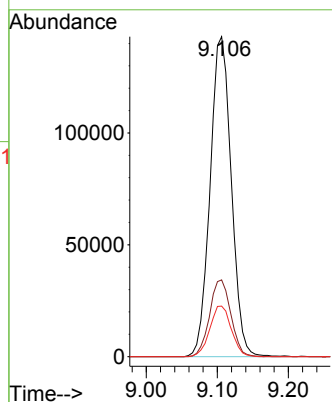
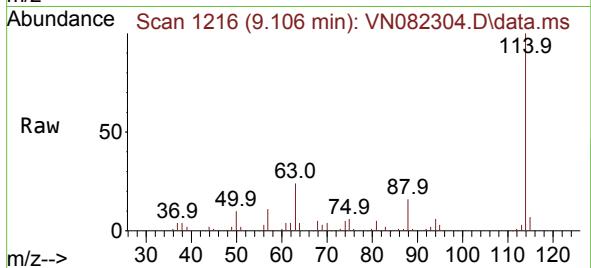
Tgt Ion:114 Resp: 295980

Ion Ratio Lower Upper

114 100

63 24.0 0.0 41.0

88 15.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.891 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082304.D

Acq: 22 May 2024 19:53

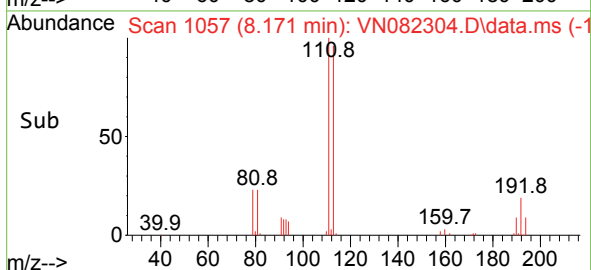
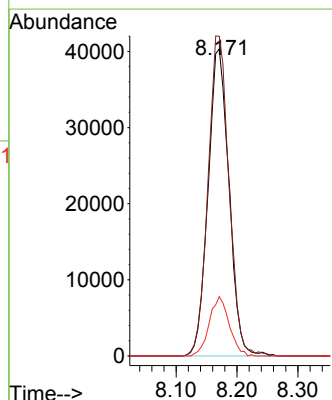
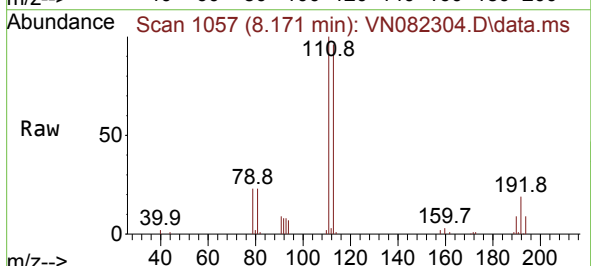
Tgt Ion:113 Resp: 96300

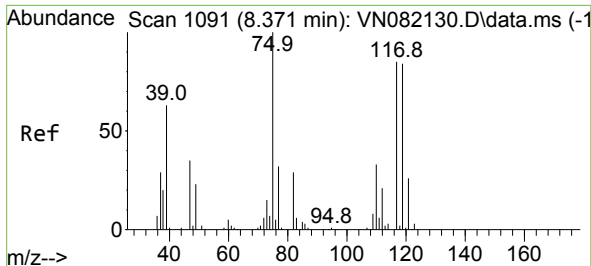
Ion Ratio Lower Upper

113 100

111 104.5 83.4 125.2

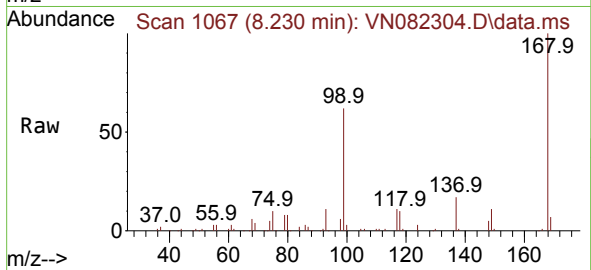
192 18.4 14.0 21.0



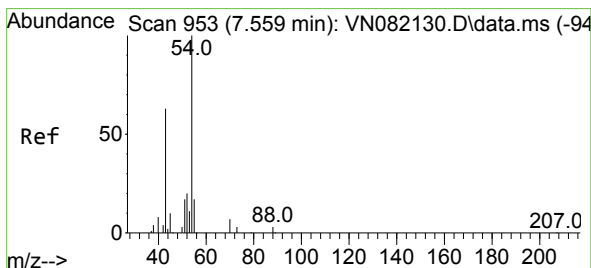
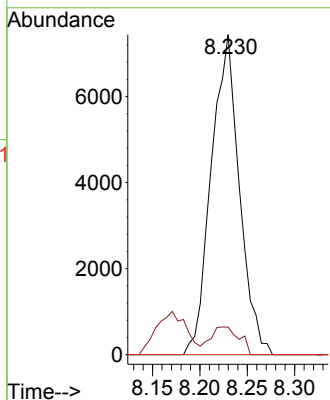
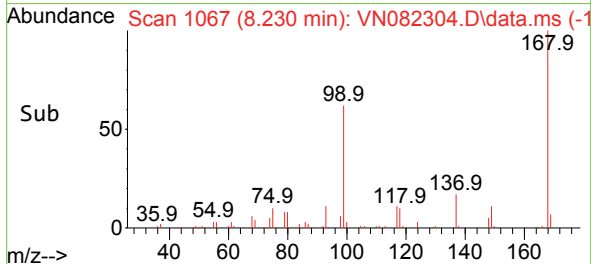


#36
1,1-Dichloropropene
Concen: 5.045 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

Instrument :
MSVOA_N
ClientSampleId :

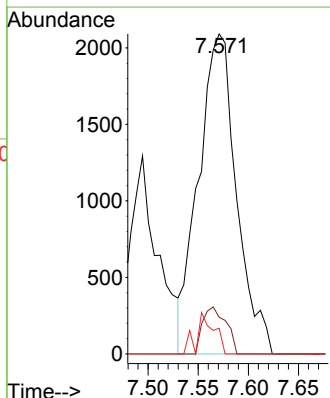
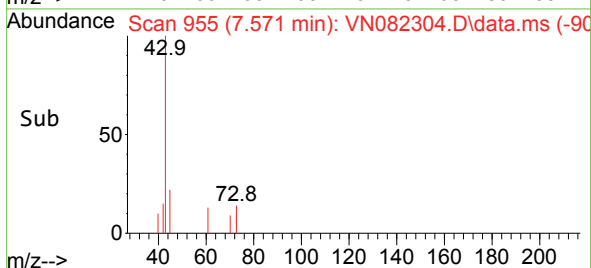
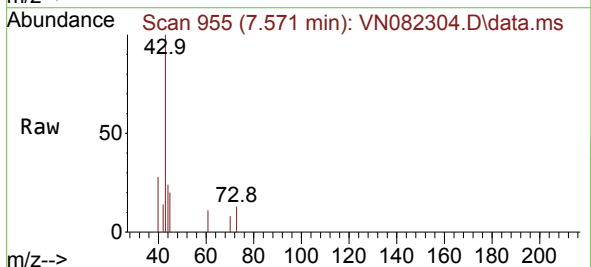


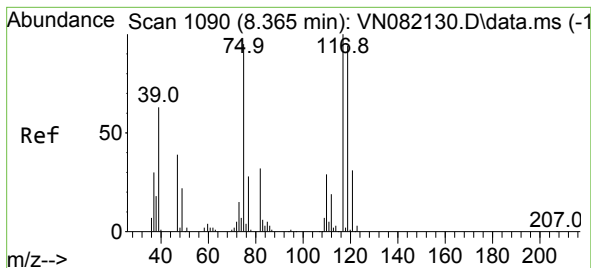
Tgt Ion: 75 Resp: 15406
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.612 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

Tgt Ion: 43 Resp: 5508
Ion Ratio Lower Upper
43 100
61 9.0 11.3 16.9#
70 6.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.732 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.135 min

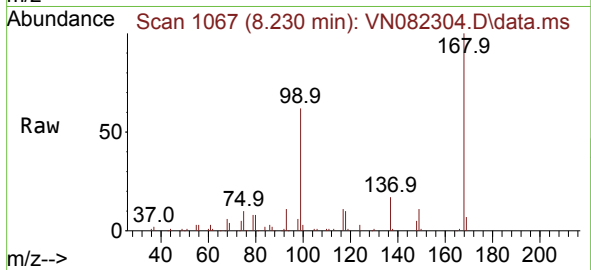
Lab File: VN082304.D

Acq: 22 May 2024 19:53

Instrument :

MSVOA_N

ClientSampleId :



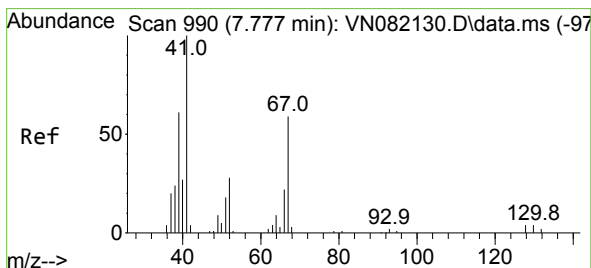
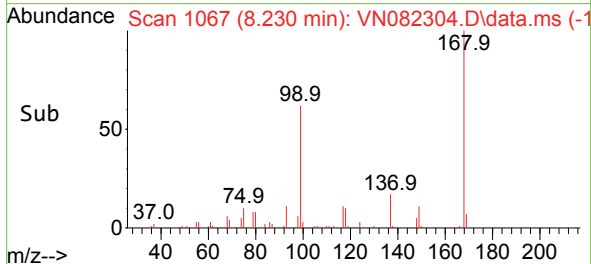
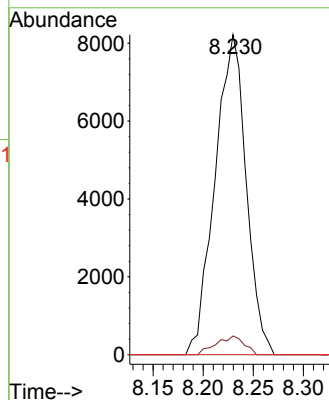
Tgt Ion:117 Resp: 17744

Ion Ratio Lower Upper

117 100

119 5.9 76.5 114.7#

121 0.0 23.9 35.9#



#41

Methacrylonitrile

Concen: 0.288 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.088 min

Lab File: VN082304.D

Acq: 22 May 2024 19:53

Tgt Ion: 41 Resp: 578

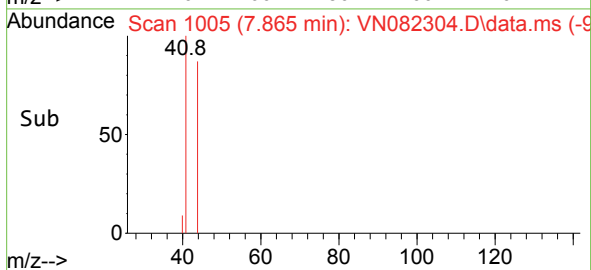
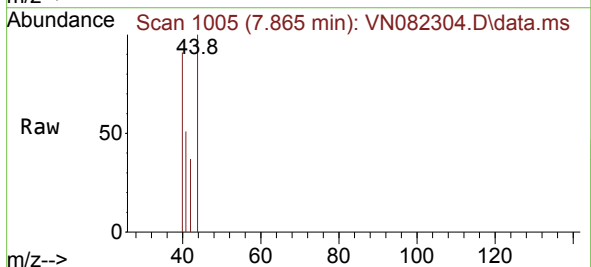
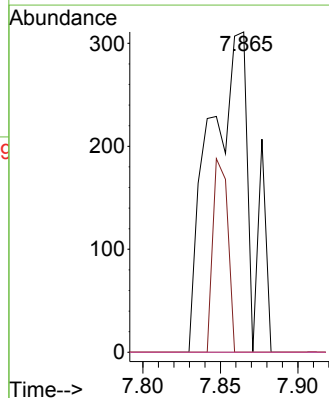
Ion Ratio Lower Upper

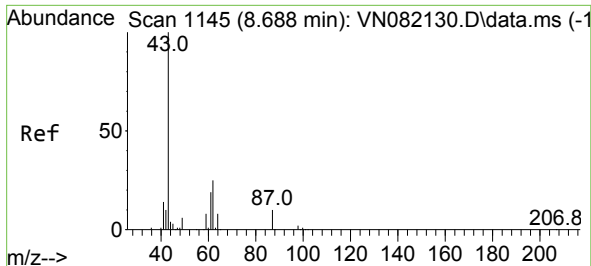
41 100

39 21.8 46.6 69.8#

67 0.0 67.3 100.9#

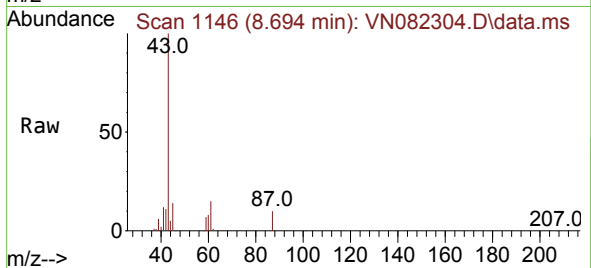
52 0.0 27.3 40.9#



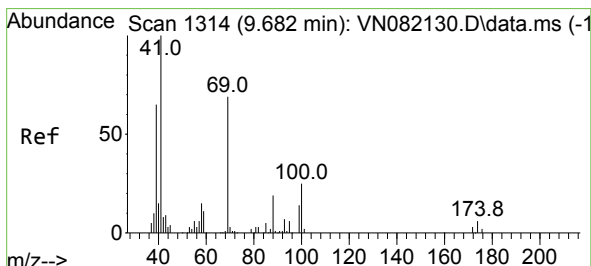
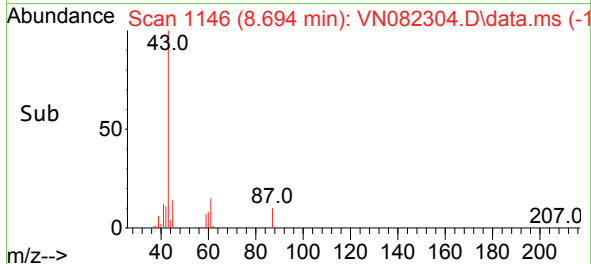
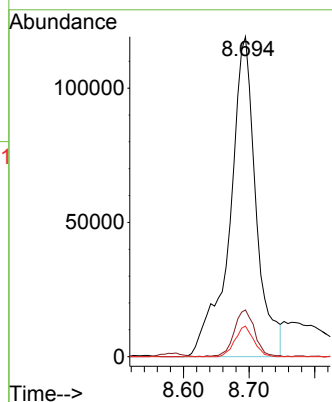


#43
Isopropyl Acetate
Concen: 54.922 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

Instrument :
MSVOA_N
ClientSampleId :

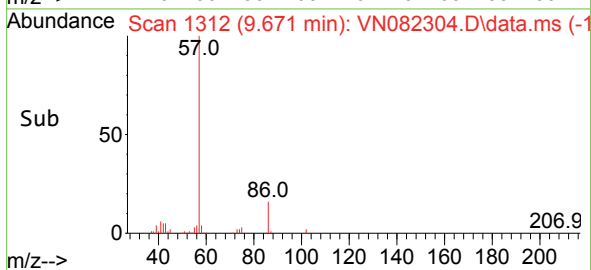
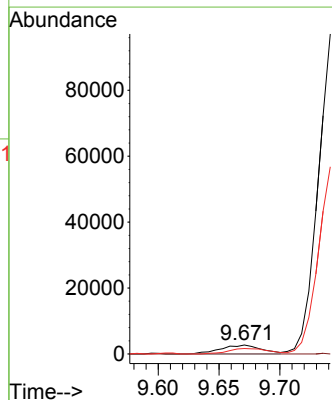
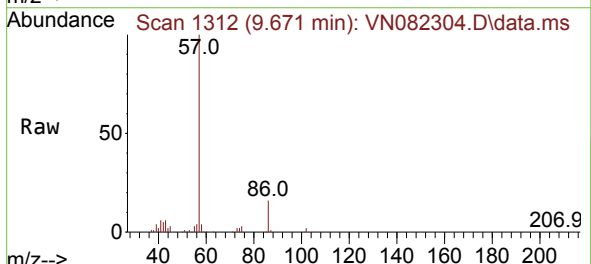


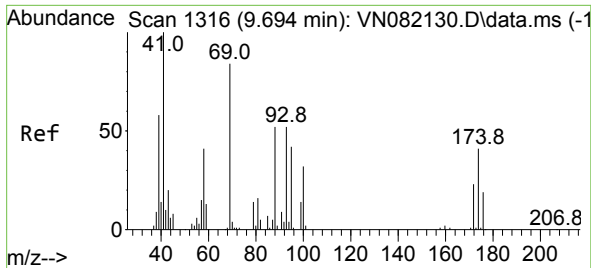
Tgt Ion: 43 Resp: 332577
Ion Ratio Lower Upper
43 100
61 11.4 22.8 34.2#
87 6.8 12.0 18.0#



#48
Methyl methacrylate
Concen: 2.181 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

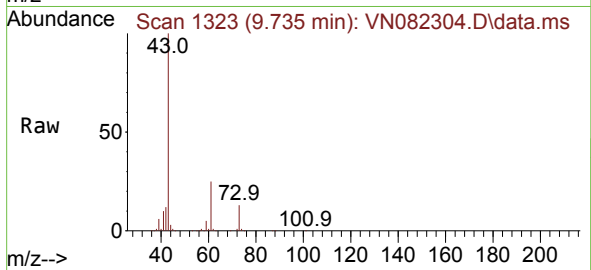
Tgt Ion: 41 Resp: 6292
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 61.5 50.9 76.3



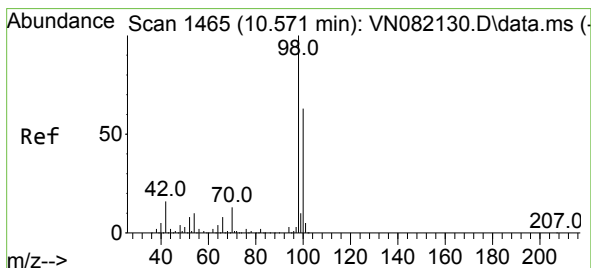
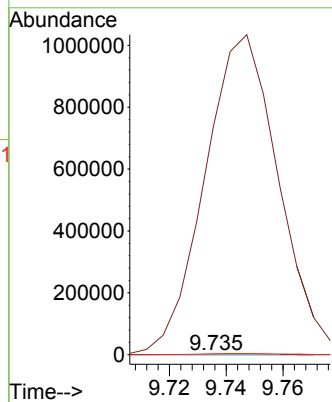
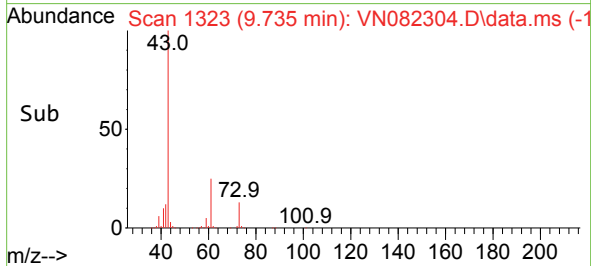


#49
1,4-Dioxane
Concen: 2.721 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

Instrument :
MSVOA_N
ClientSampleId :

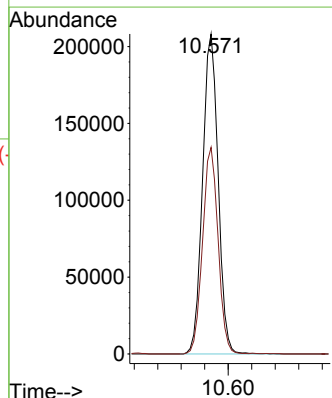
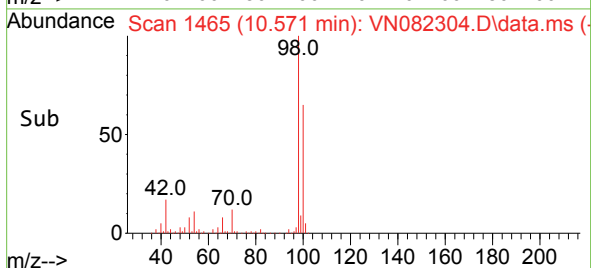
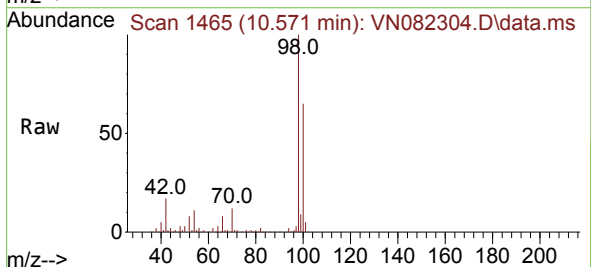


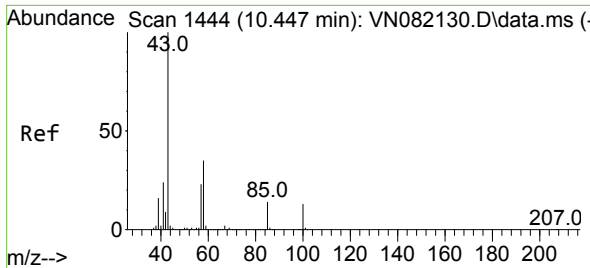
Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 1704511.8 19.0 28.6#
58 6913.6 50.6 76.0#



#50
Toluene-d8
Concen: 54.806 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

Tgt Ion: 98 Resp: 382575
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6

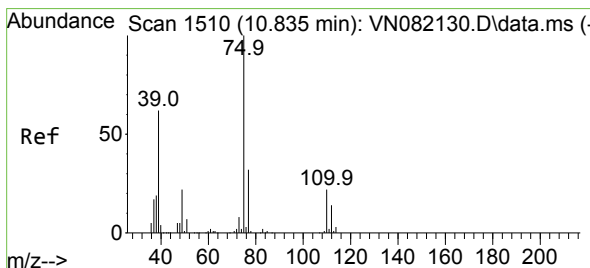
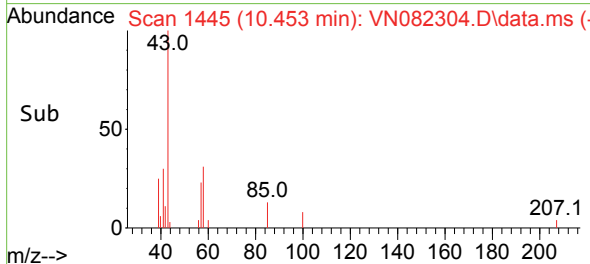
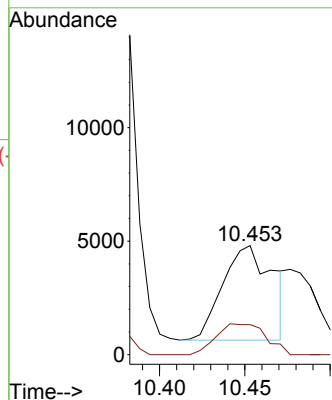
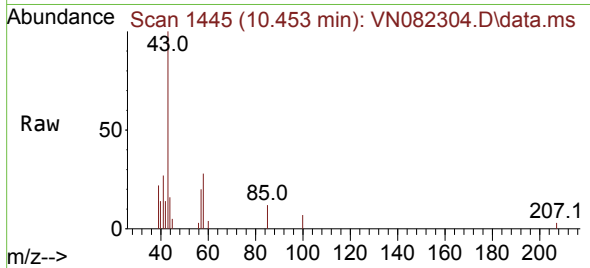




#51
4-Methyl-2-Pentanone
Concen: 2.461 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

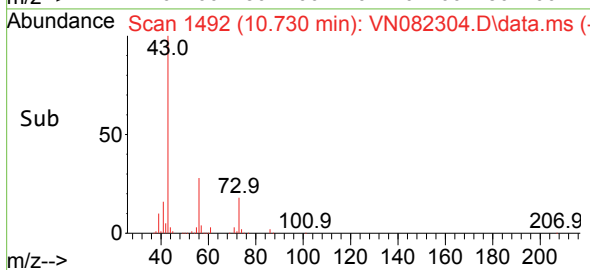
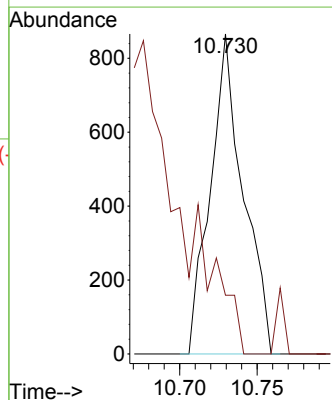
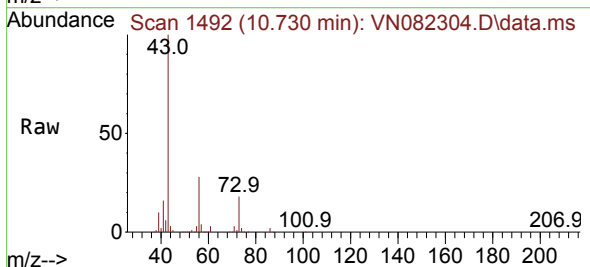
Instrument :
MSVOA_N
ClientSampleId :

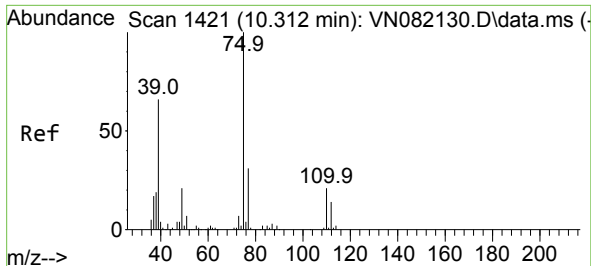
Tgt Ion: 43 Resp: 8466
Ion Ratio Lower Upper
43 100
58 32.5 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.379 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

Tgt Ion: 75 Resp: 1275
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

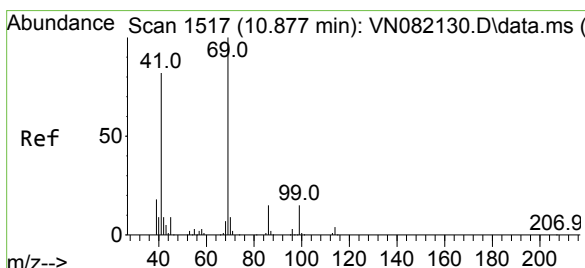
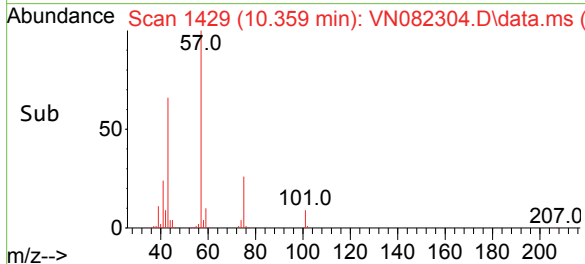
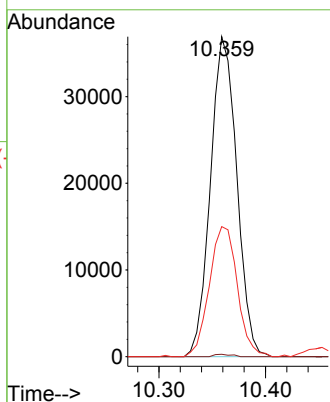
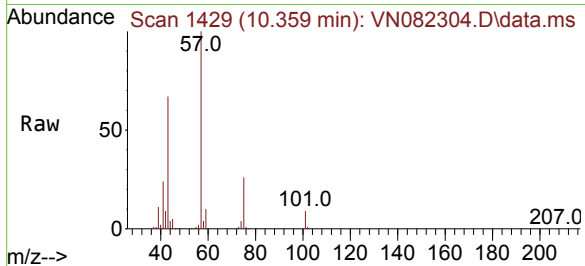




#54
 cis-1,3-Dichloropropene
 Concen: 17.790 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082304.D
 Acq: 22 May 2024 19:53

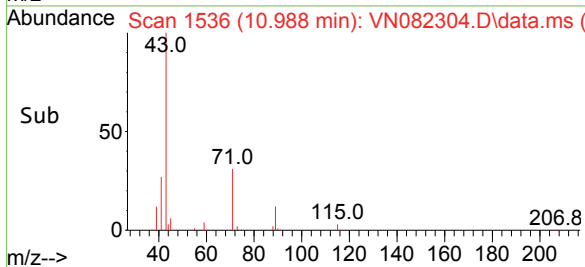
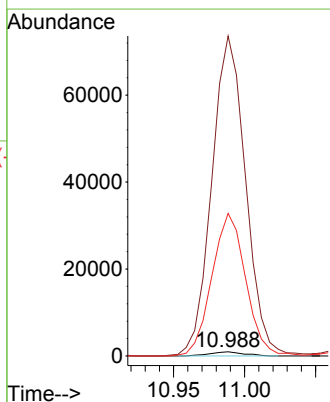
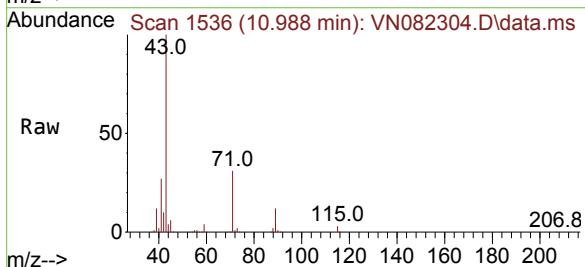
Instrument :
 MSVOA_N
 ClientSampleId :

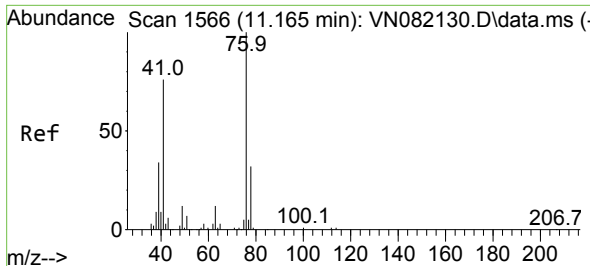
Tgt Ion: 75 Resp: 63420
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 40.6 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.472 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082304.D
 Acq: 22 May 2024 19:53

Tgt Ion: 69 Resp: 1593
 Ion Ratio Lower Upper
 69 100
 41 7682.0 46.6 70.0#
 39 3414.1 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 2.130 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

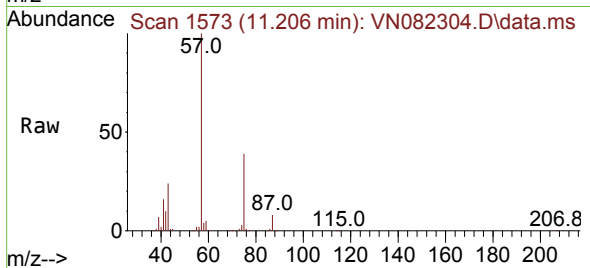
Lab File: VN082304.D

Acq: 22 May 2024 19:53

Instrument :

MSVOA_N

ClientSampleId :

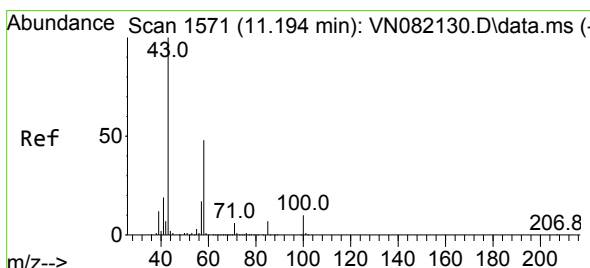
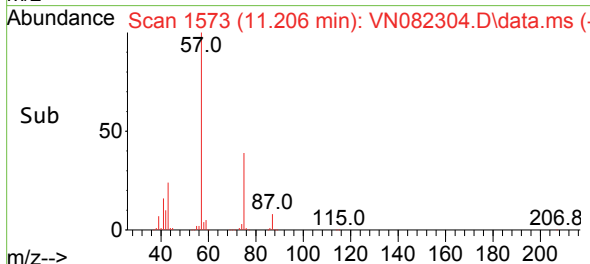
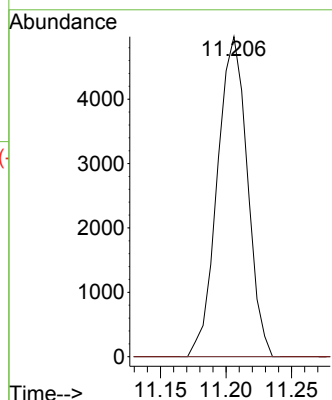


Tgt Ion: 76 Resp: 7909

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 44.851 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN082304.D

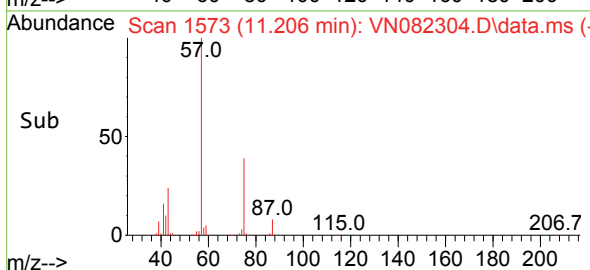
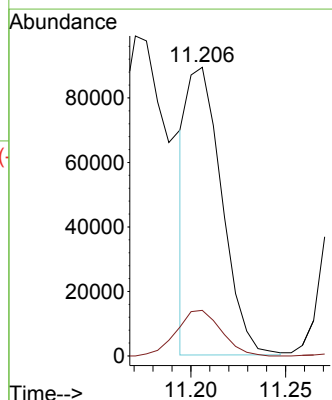
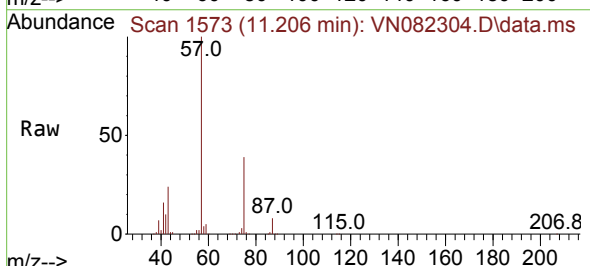
Acq: 22 May 2024 19:53

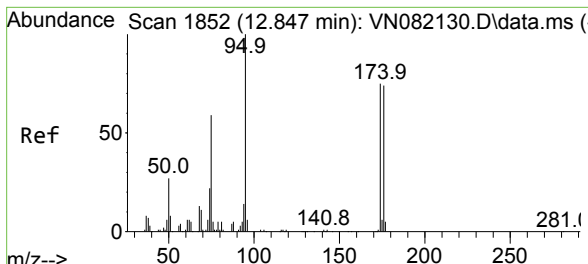
Tgt Ion: 43 Resp: 112986

Ion Ratio Lower Upper

43 100

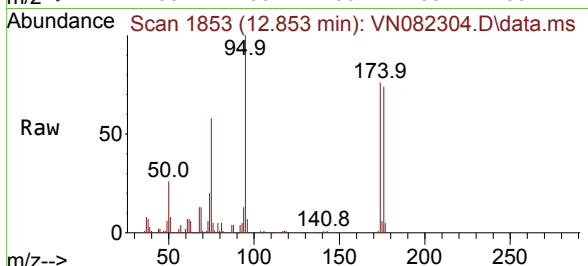
58 20.7 28.3 84.9#



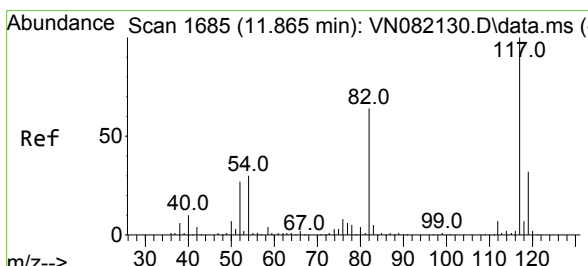
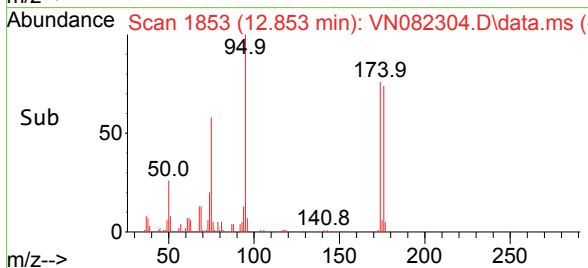
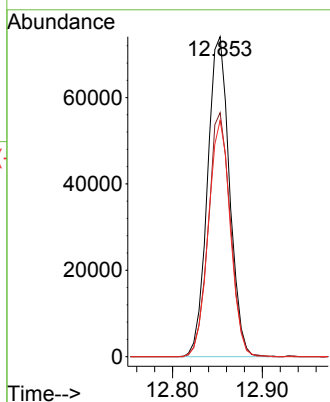


#62
4-Bromofluorobenzene
Concen: 50.627 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

Instrument :
MSVOA_N
ClientSampleId :

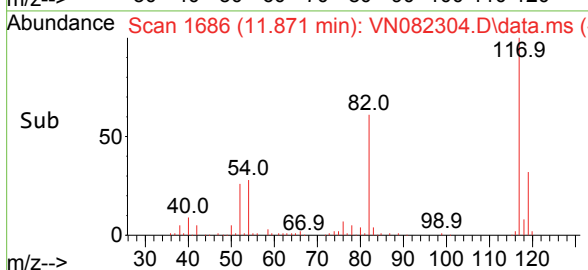
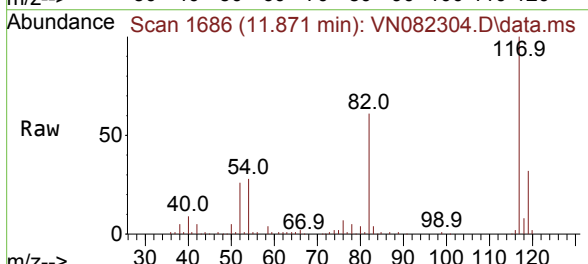
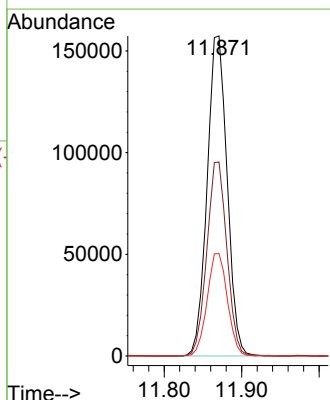


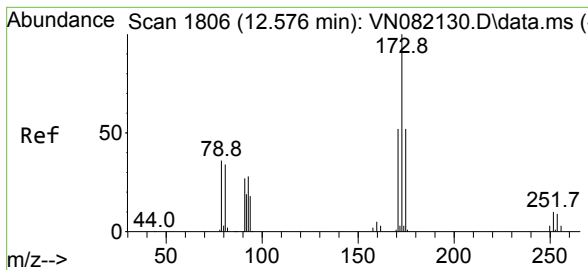
Tgt Ion: 95 Resp: 126139
Ion Ratio Lower Upper
95 100
174 76.4 0.0 160.6
176 73.7 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082304.D
Acq: 22 May 2024 19:53

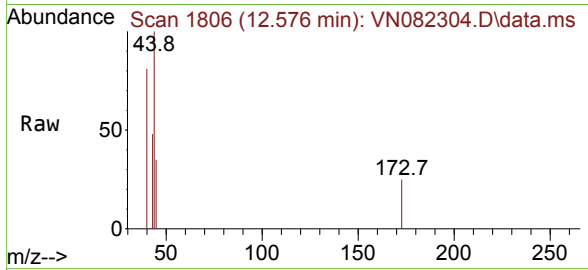
Tgt Ion: 117 Resp: 282296
Ion Ratio Lower Upper
117 100
82 60.6 44.6 66.8
119 32.0 25.9 38.9



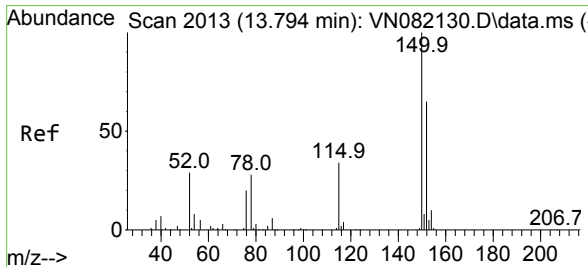
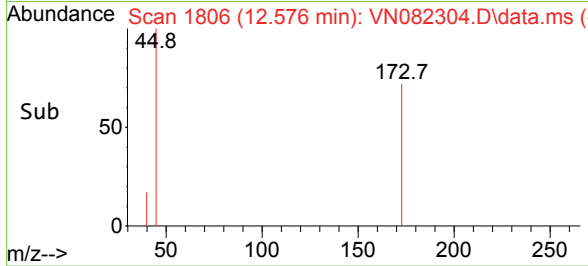
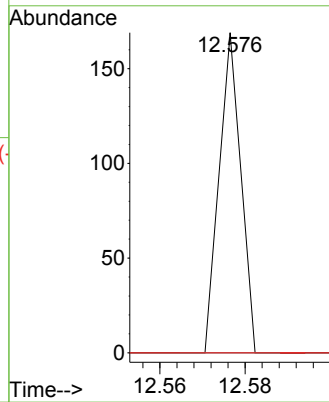


#71
 Bromoform
 Concen: 0.737 ug/l
 RT: 12.576 min Scan# 1806
 Delta R.T. 0.000 min
 Lab File: VN082304.D
 Acq: 22 May 2024 19:53

Instrument :
 MSVOA_N
 ClientSampleId :

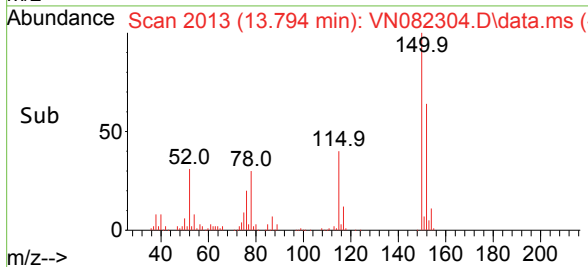
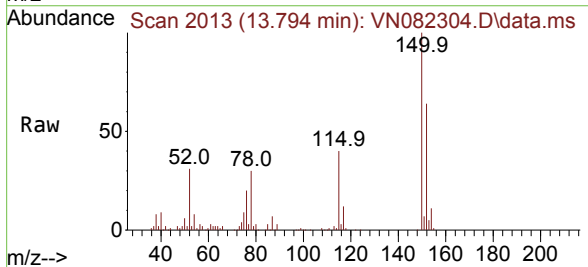
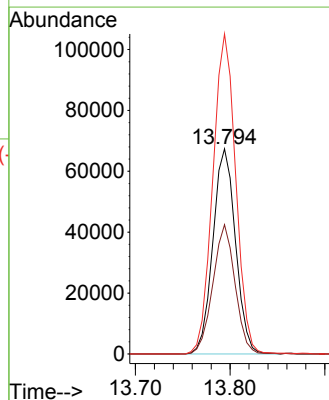


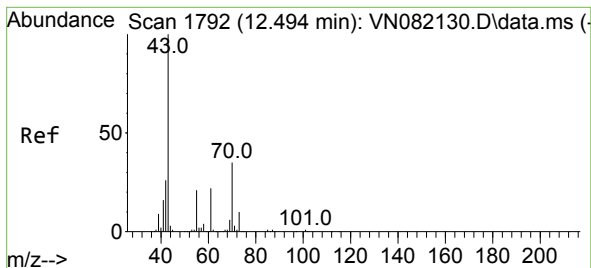
Tgt Ion:	173	Resp:	60
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.6	74.0#
254	0.0	0.0	0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN082304.D
 Acq: 22 May 2024 19:53

Tgt Ion:	152	Resp:	111721
Ion Ratio	Lower	Upper	
152	100		
115	61.9	30.4	91.3
150	158.1	0.0	353.2





#74

N-amy1 acetate

Concen: 0.375 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.000 min

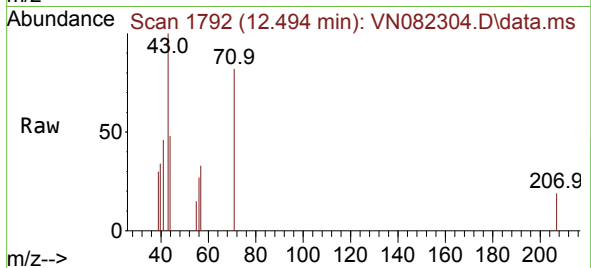
Lab File: VN082304.D

Acq: 22 May 2024 19:53

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1833

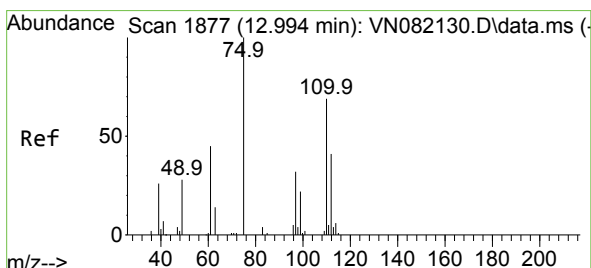
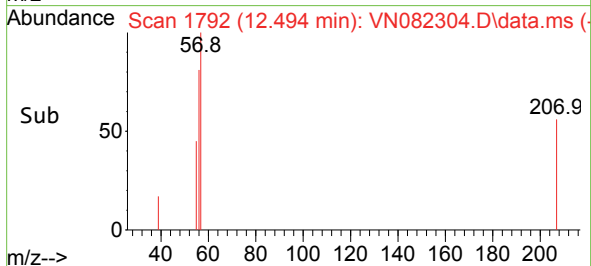
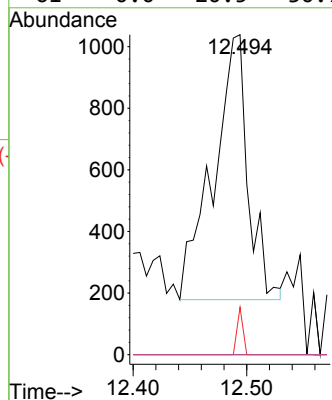
Ion Ratio Lower Upper

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: 31.912 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082304.D

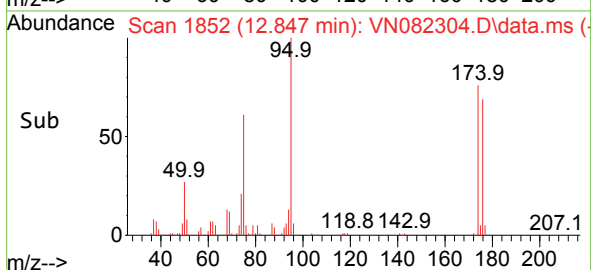
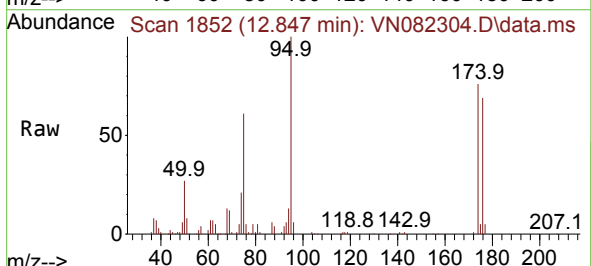
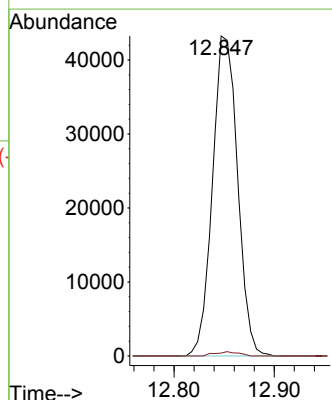
Acq: 22 May 2024 19:53

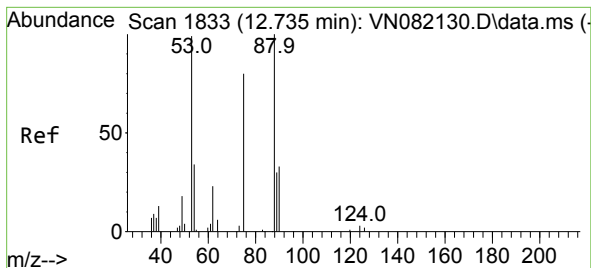
Tgt Ion: 75 Resp: 75040

Ion Ratio Lower Upper

75 100

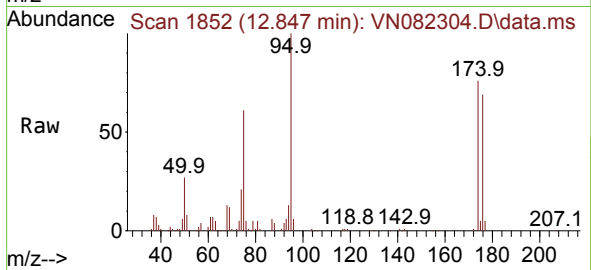
77 1.3 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.641 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082304.D
 Acq: 22 May 2024 19:53

Instrument :
 MSVOA_N
 ClientSampleId :



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

