

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082303.D
 Acq On : 22 May 2024 19:29
 Operator : JC\MD
 Sample : PB161037ZHE#16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:57:15 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)

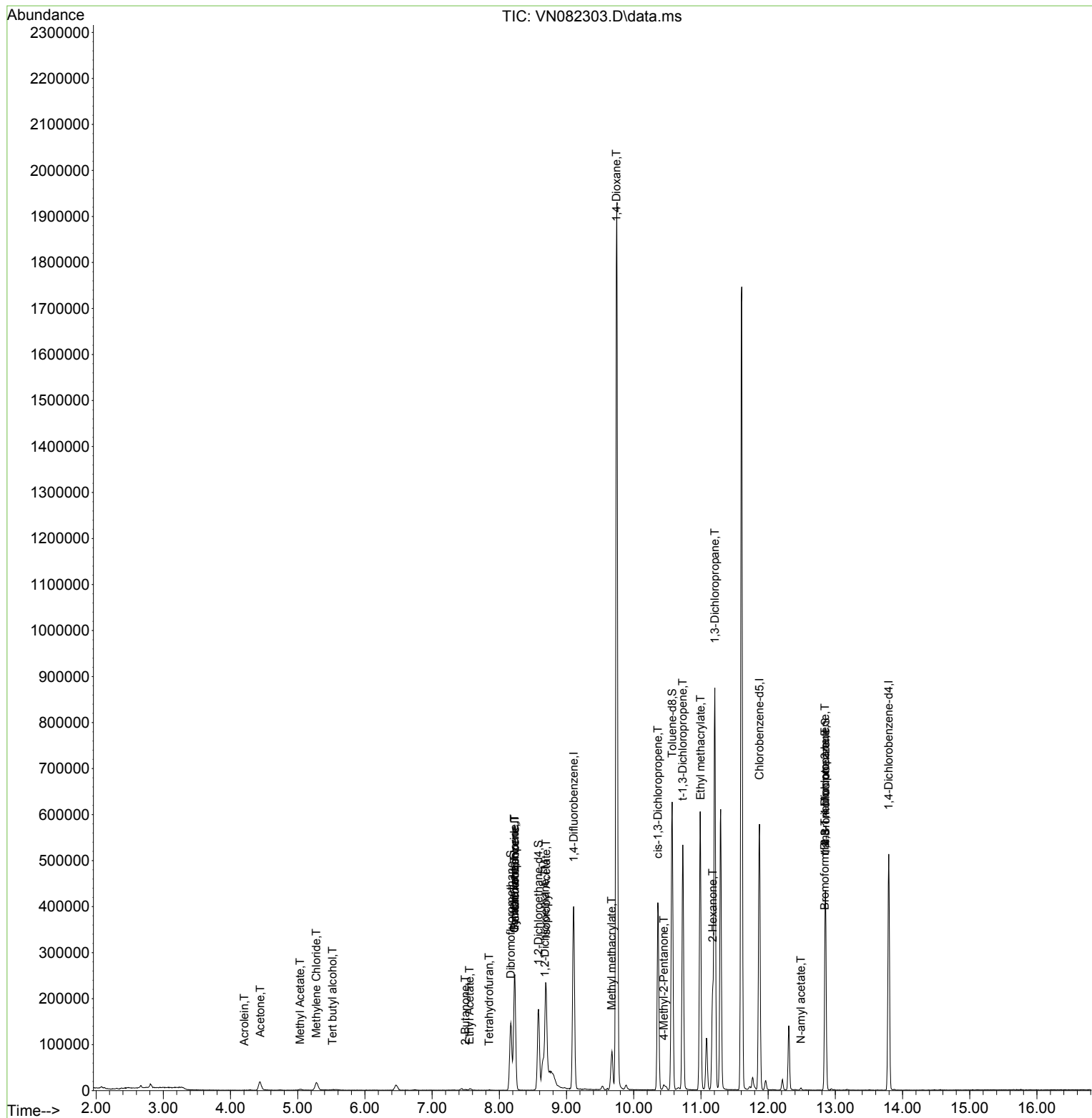
Internal Standards						
1) Pentafluorobenzene	8.230	168	172673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	311367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	302390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	145435	53.340	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.680%			
35) Dibromofluoromethane	8.171	113	101511	52.998	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.000%			
50) Toluene-d8	10.571	98	404607	55.098	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.200%			
62) 4-Bromofluorobenzene	12.853	95	140015	53.419	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 106.840%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	252	0.576	ug/l #	71
13) Acrolein	4.206	56	68	0.210	ug/l #	15
16) Acetone	4.442	43	37438	33.472	ug/l #	86
18) Methyl Acetate	5.036	43	5050	1.813	ug/l #	47
20) Methylene Chloride	5.277	84	12022	5.327	ug/l #	79
25) 2-Butanone	7.494	43	3151	1.858	ug/l #	82
29) Tetrahydrofuran	7.847	42	769	0.706	ug/l #	46
31) Cyclohexane	8.224	56	4786	1.099	ug/l #	33
36) 1,1-Dichloropropene	8.230	75	16047	4.995	ug/l #	43
37) Ethyl Acetate	7.559	43	5798	1.613	ug/l #	84
38) Carbon Tetrachloride	8.224	117	19025	5.842	ug/l #	14
42) 1,2-Dichloroethane	8.677	62	1421	0.386	ug/l #	73
43) Isopropyl Acetate	8.694	43	425731	66.831	ug/l #	68
48) Methyl methacrylate	9.671	41	5845	1.926	ug/l #	40
49) 1,4-Dioxane	9.741	88	225	5.290	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	13588	3.754	ug/l #	66
53) t-1,3-Dichloropropene	10.730	75	1018	0.287	ug/l #	60
54) cis-1,3-Dichloropropene	10.359	75	62066	16.550	ug/l #	77
56) Ethyl methacrylate	10.994	69	1673	0.472	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8018	2.053	ug/l #	42
59) 2-Hexanone	11.177	43	172548	65.110	ug/l #	23
71) Bromoform	12.841	173	666	1.076	ug/l #	1
74) N-amyl acetate	12.488	43	1724	0.312	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	83227	31.236	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83227	73.059	ug/l #	12

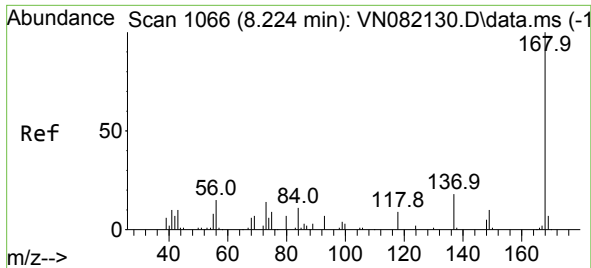
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration

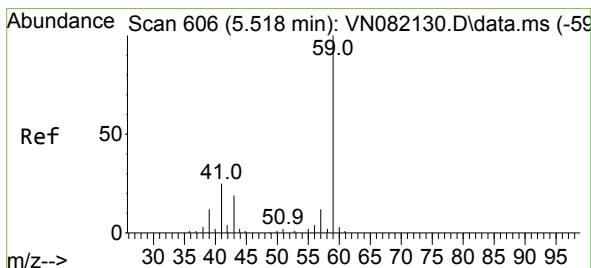
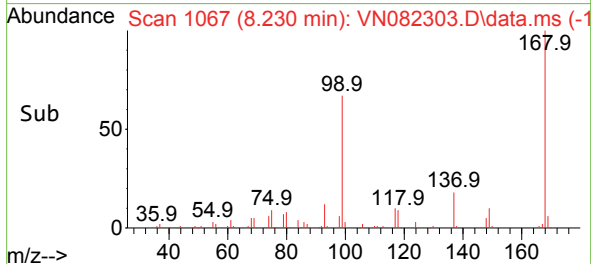
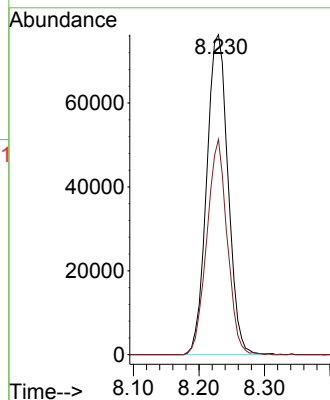
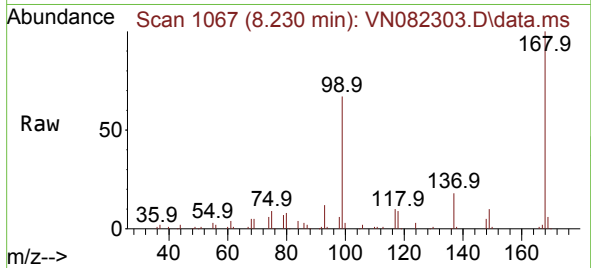




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

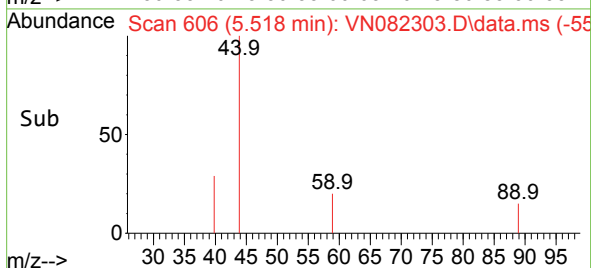
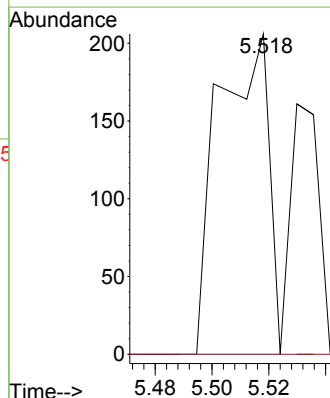
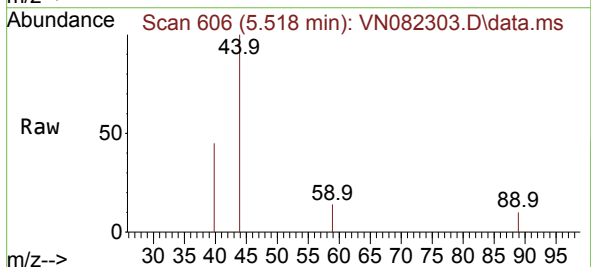
Instrument :
MSVOA_N
ClientSampleId :

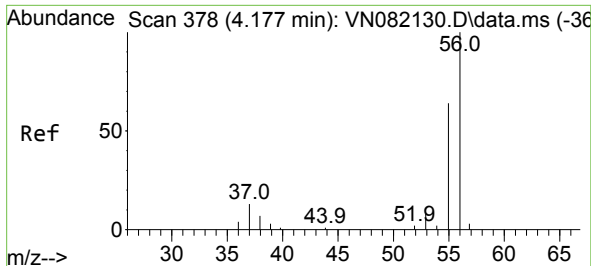
Tgt Ion:168 Resp: 172673
Ion Ratio Lower Upper
168 100
99 67.3 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.576 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

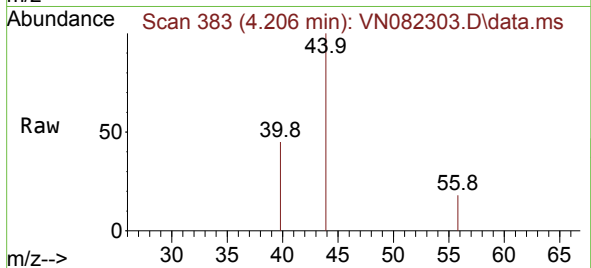
Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



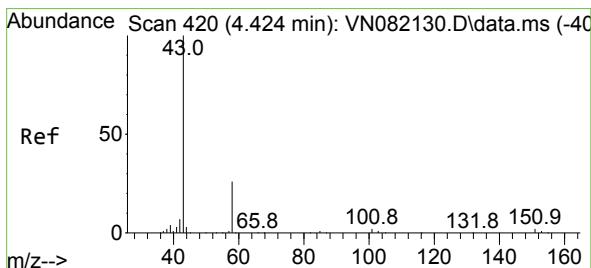
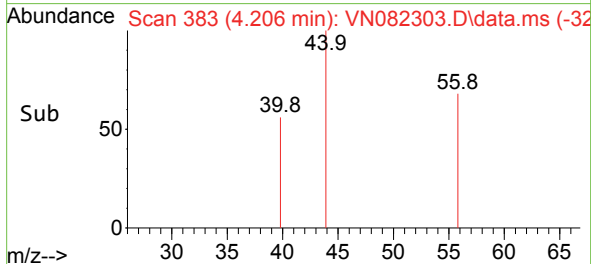
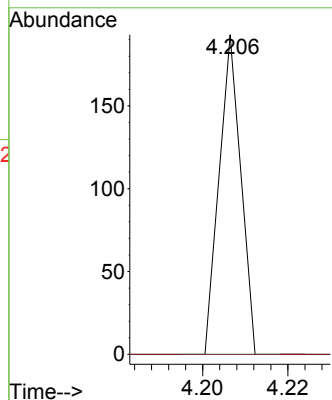


#13
Acrolein
Concen: 0.210 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.029 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Instrument :
MSVOA_N
ClientSampleId :

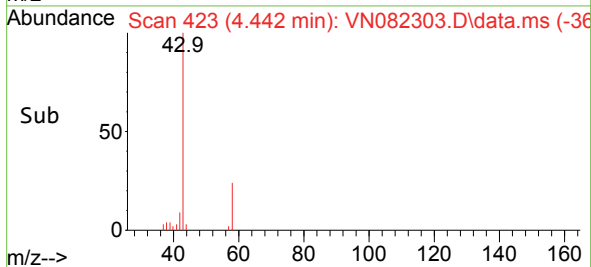
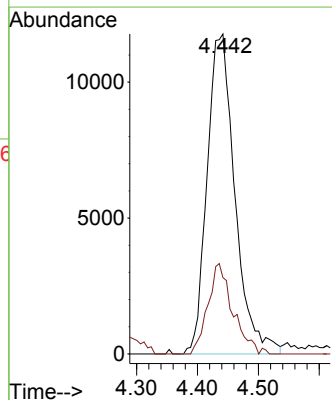
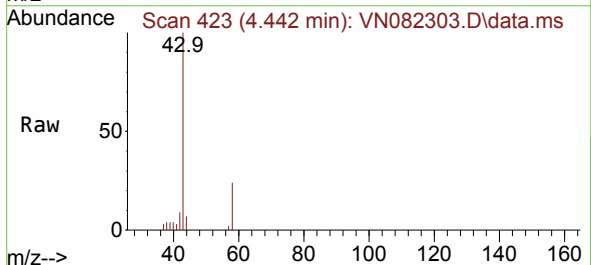


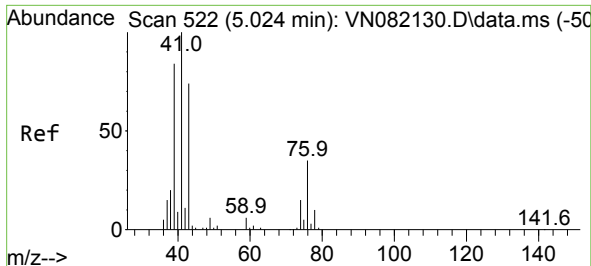
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 33.472 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

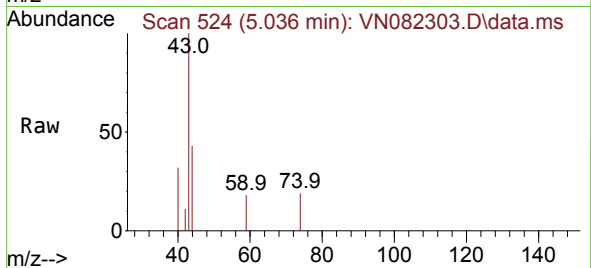
Tgt Ion: 43 Resp: 37438
Ion Ratio Lower Upper
43 100
58 23.9 25.2 37.8#



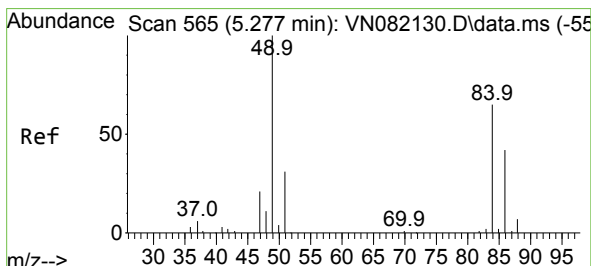
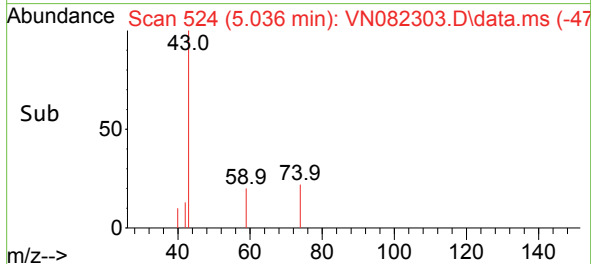
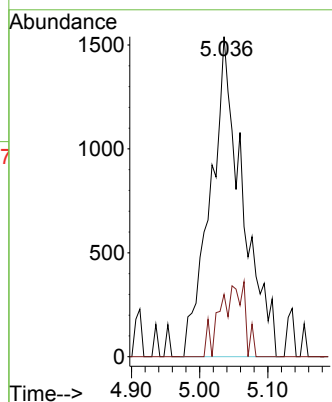


#18
Methyl Acetate
Concen: 1.813 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Instrument :
MSVOA_N
ClientSampleId :

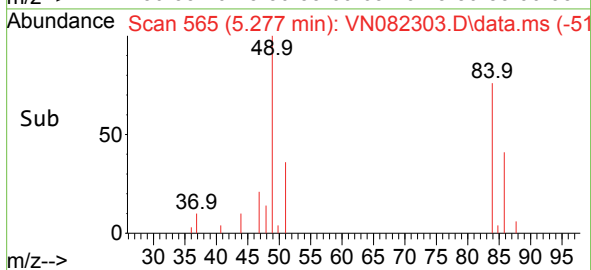
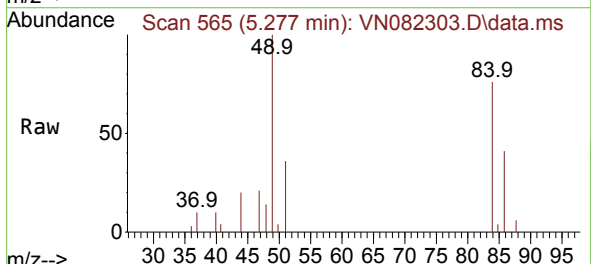
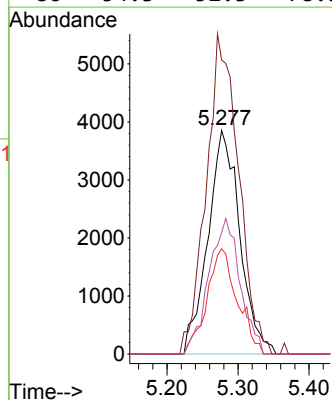


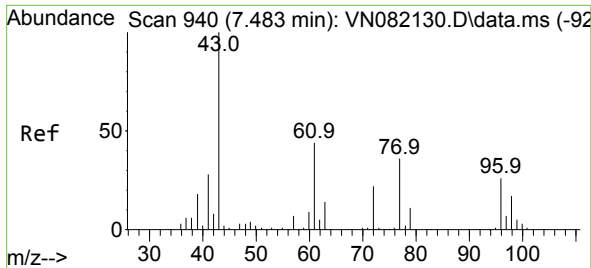
Tgt Ion: 43 Resp: 5050
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#20
Methylene Chloride
Concen: 5.327 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Tgt Ion: 84 Resp: 12022
Ion Ratio Lower Upper
84 100
49 131.5 84.9 127.3#
51 47.0 27.0 40.6#
86 54.3 52.3 78.5

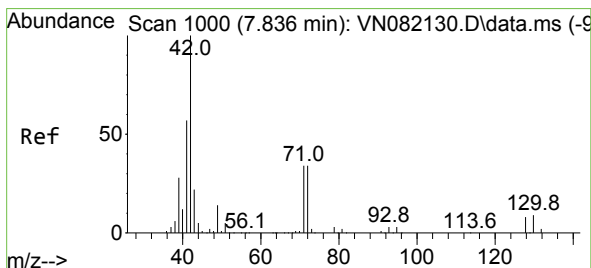
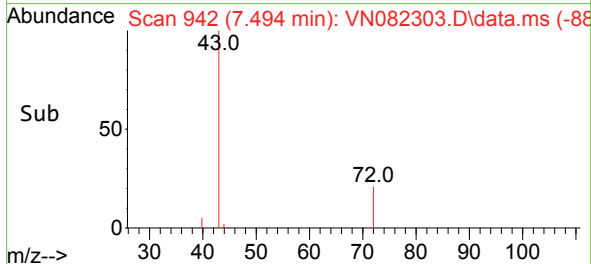
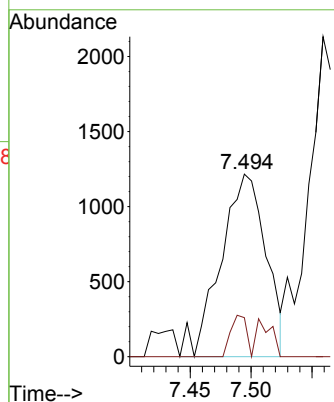
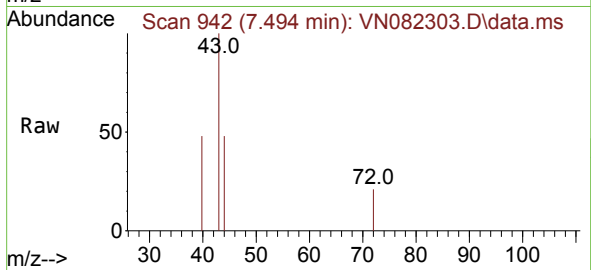




#25
2-Butanone
Concen: 1.858 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

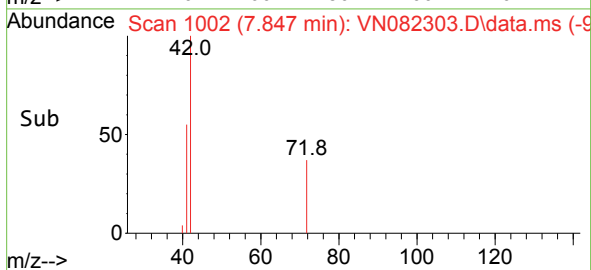
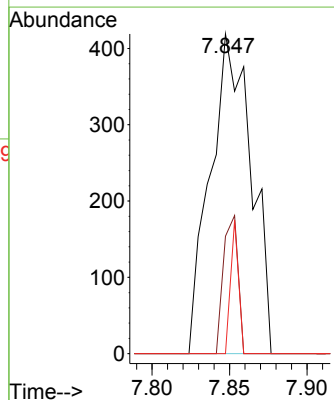
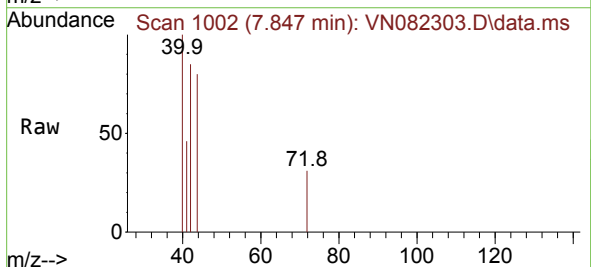
Instrument :
MSVOA_N
ClientSampleId :

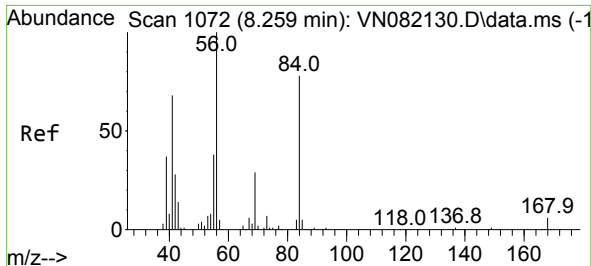
Tgt Ion: 43 Resp: 3151
Ion Ratio Lower Upper
43 100
72 21.4 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.706 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

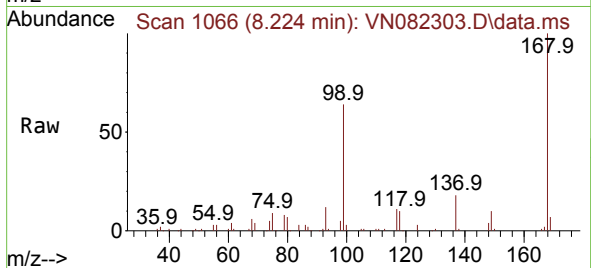
Tgt Ion: 42 Resp: 769
Ion Ratio Lower Upper
42 100
72 15.3 39.3 58.9#
71 8.1 37.4 56.0#



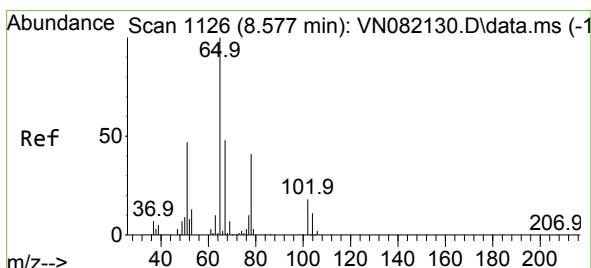
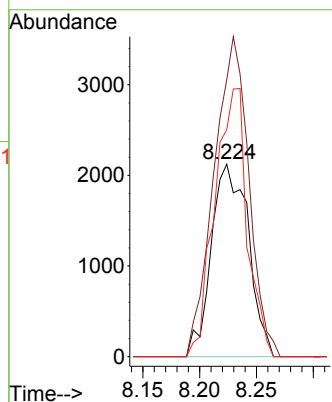
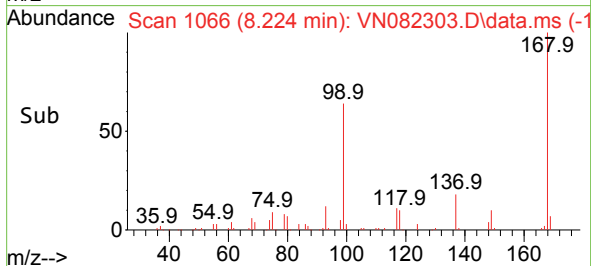


#31
Cyclohexane
Concen: 1.099 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Instrument :
MSVOA_N
ClientSampleId :

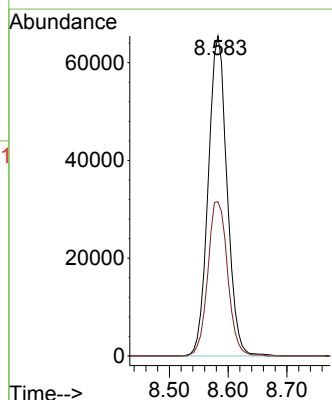
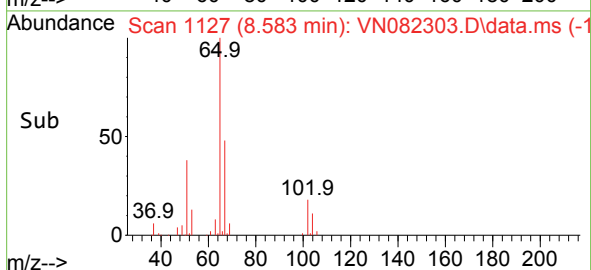
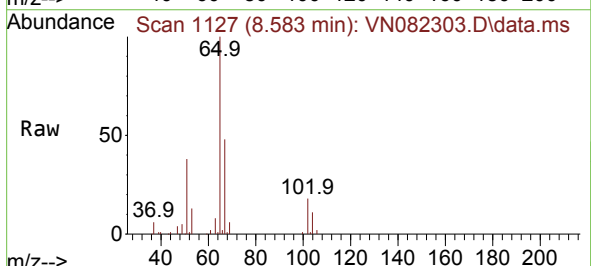


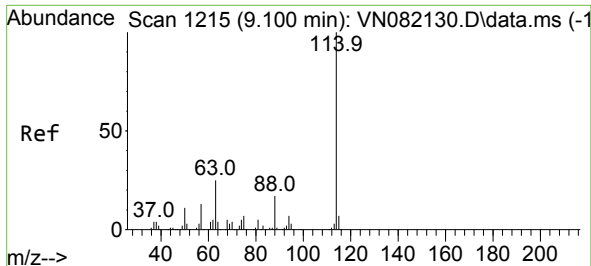
Tgt Ion: 56 Resp: 4786
Ion Ratio Lower Upper
56 100
69 143.9 24.4 36.6#
84 117.9 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 53.340 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Tgt Ion: 65 Resp: 145435
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0

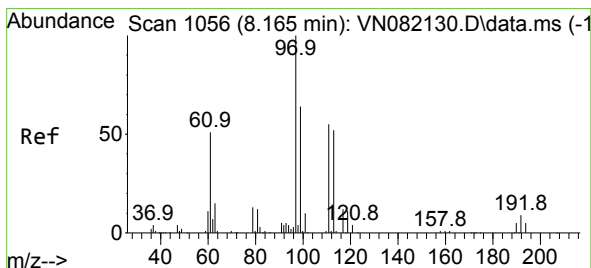
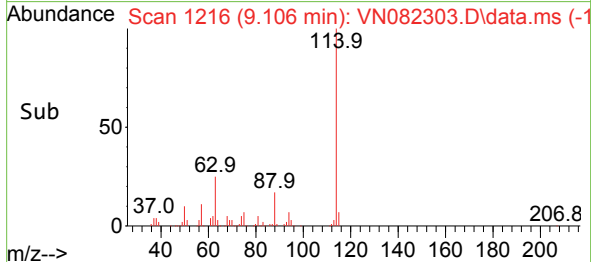
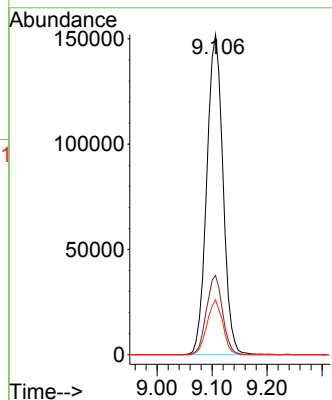
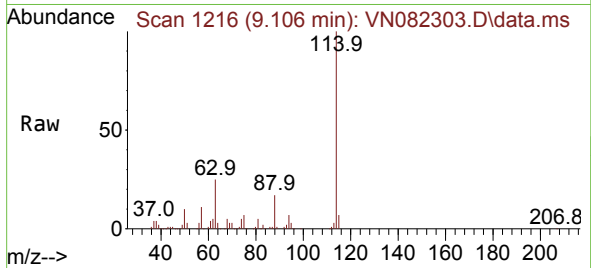




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

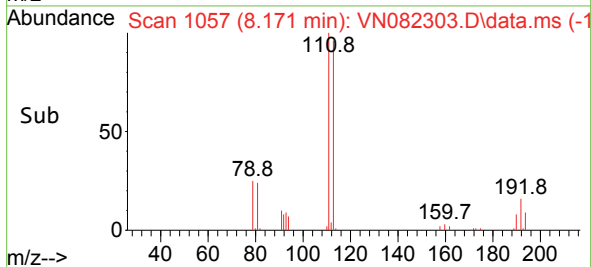
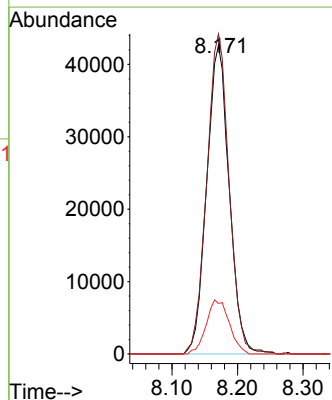
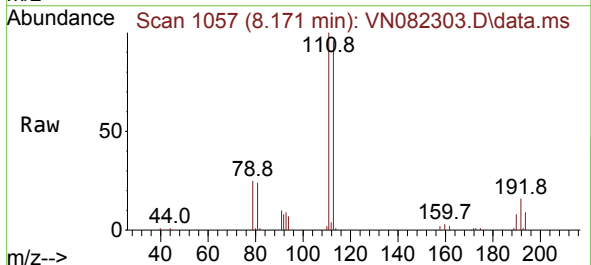
Instrument :
MSVOA_N
ClientSampleId :

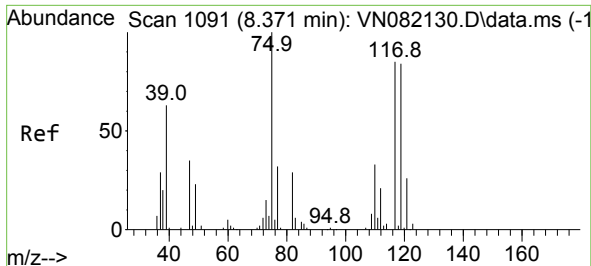
Tgt Ion:114 Resp: 311367
Ion Ratio Lower Upper
114 100
63 24.7 0.0 41.0
88 17.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.998 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

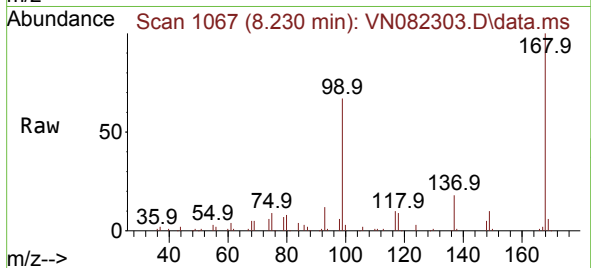
Tgt Ion:113 Resp: 101511
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.2
192 18.0 14.0 21.0



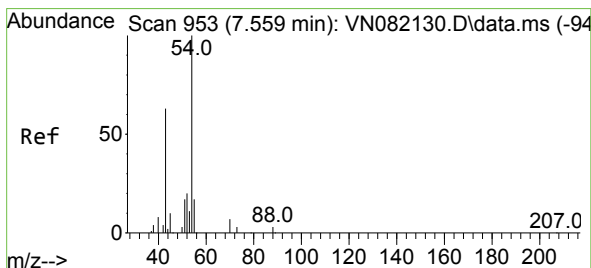
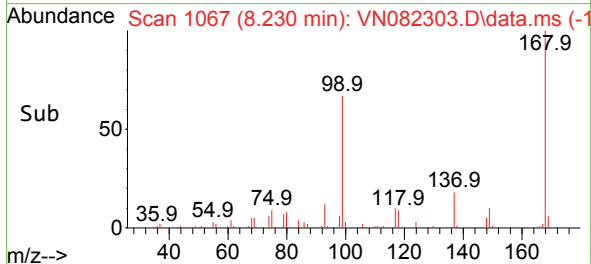
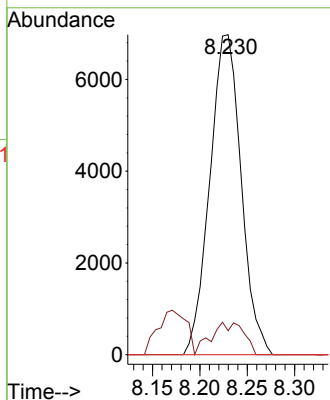


#36
1,1-Dichloropropene
Concen: 4.995 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Instrument :
MSVOA_N
ClientSampleId :

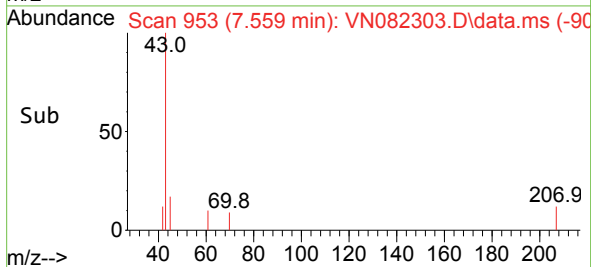
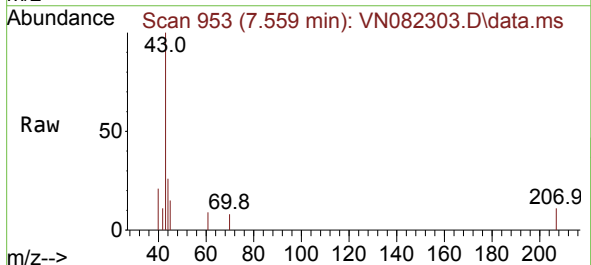
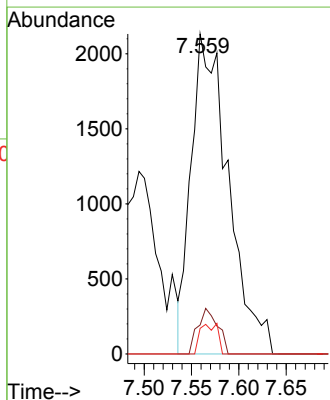


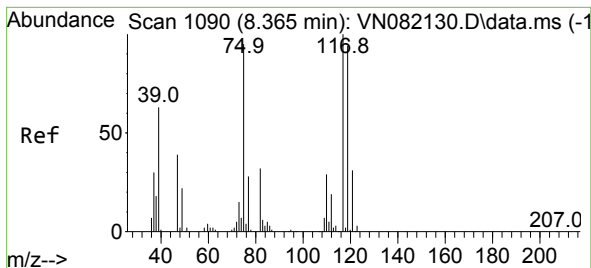
Tgt Ion: 75 Resp: 16047
Ion Ratio Lower Upper
75 100
110 2.1 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.613 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Tgt Ion: 43 Resp: 5798
Ion Ratio Lower Upper
43 100
61 7.7 11.3 16.9#
70 4.4 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.842 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.141 min

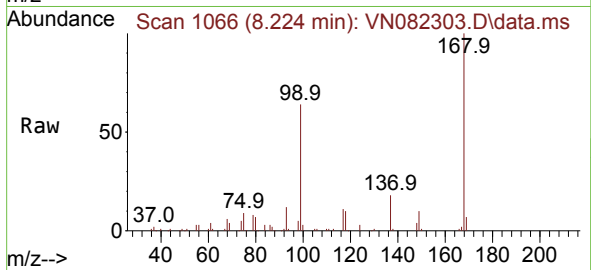
Lab File: VN082303.D

Acq: 22 May 2024 19:29

Instrument :

MSVOA_N

ClientSampleId :



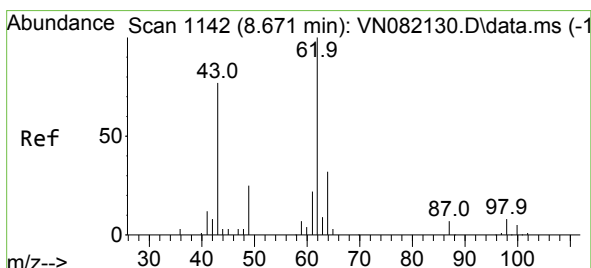
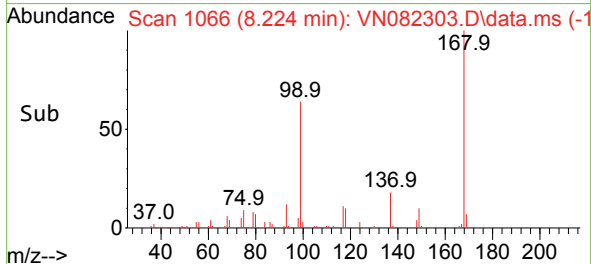
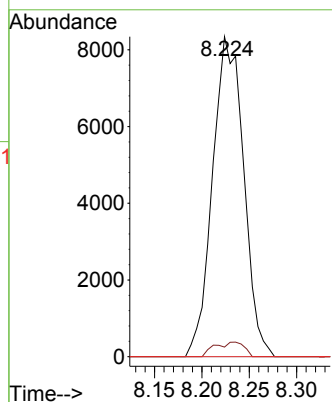
Tgt Ion:117 Resp: 19025

Ion Ratio Lower Upper

117 100

119 3.0 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.386 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN082303.D

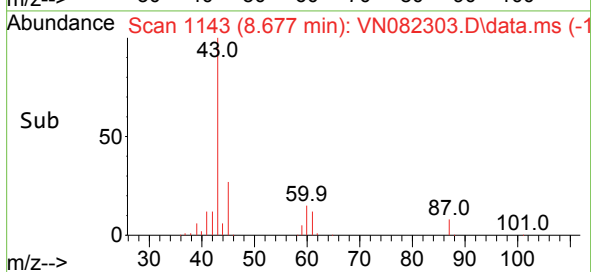
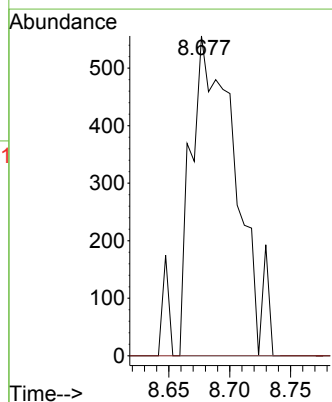
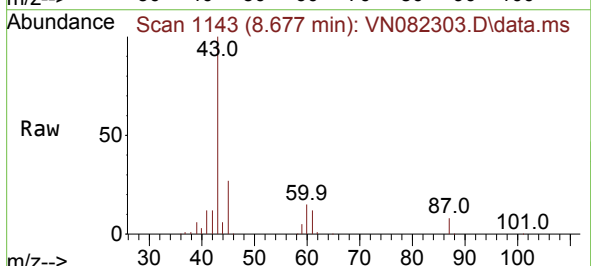
Acq: 22 May 2024 19:29

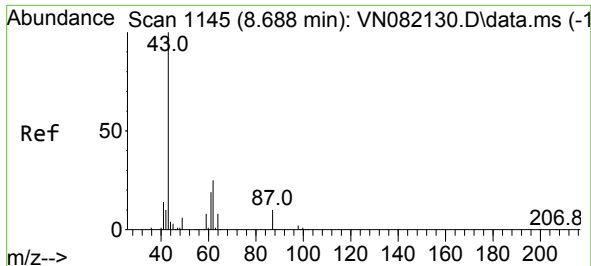
Tgt Ion: 62 Resp: 1421

Ion Ratio Lower Upper

62 100

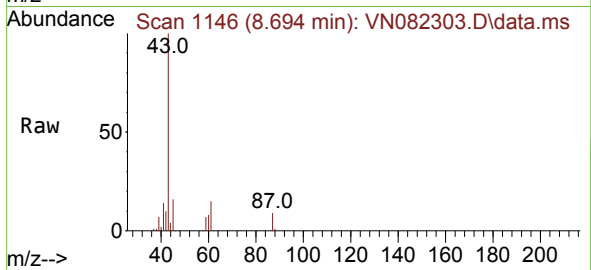
98 0.0 0.0 19.6



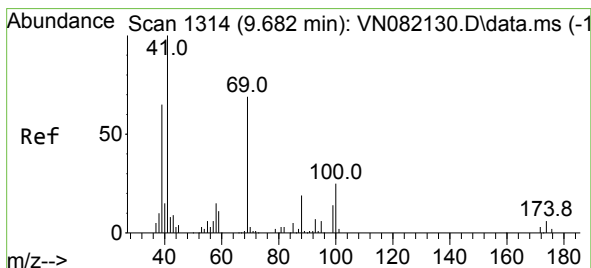
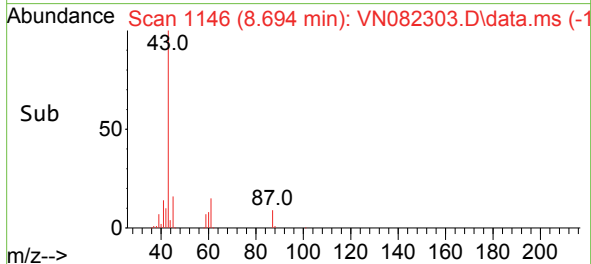
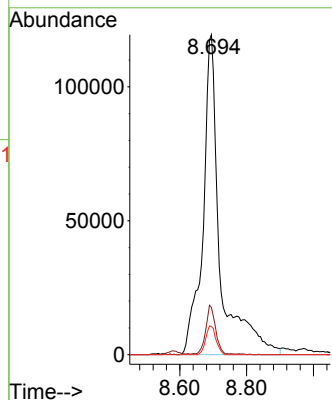


#43
Isopropyl Acetate
Concen: 66.831 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Instrument :
MSVOA_N
ClientSampleId :

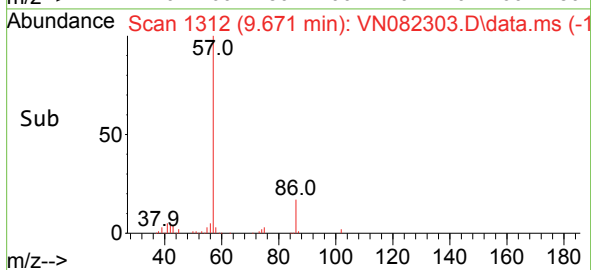
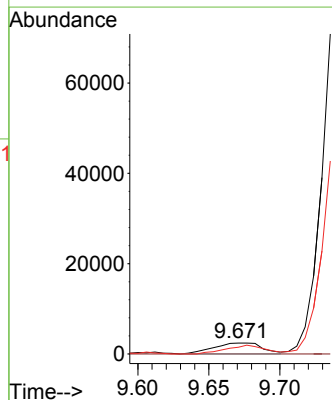
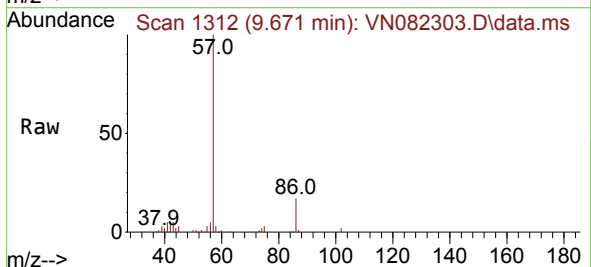


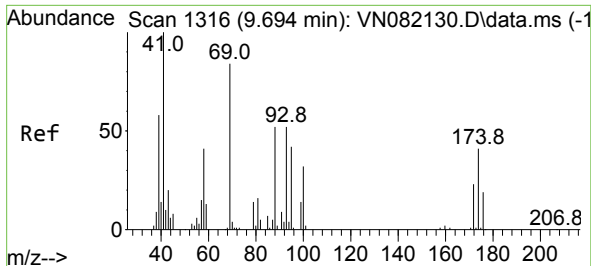
Tgt Ion: 43 Resp: 425731
Ion Ratio Lower Upper
43 100
61 8.7 22.8 34.2#
87 5.4 12.0 18.0#



#48
Methyl methacrylate
Concen: 1.926 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

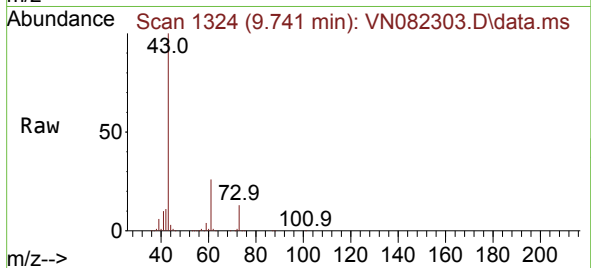
Tgt Ion: 41 Resp: 5845
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 62.9 50.9 76.3



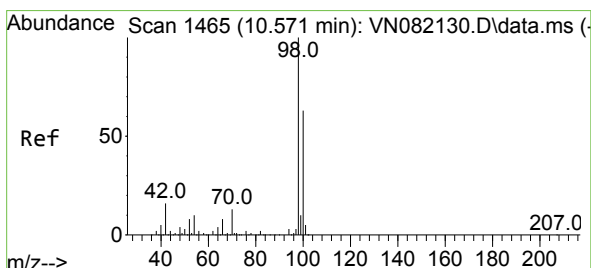
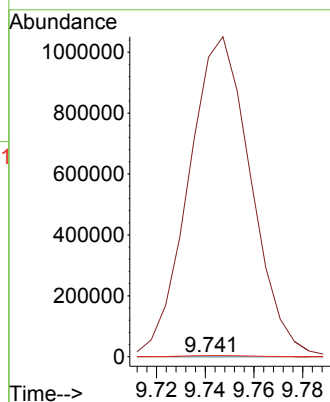
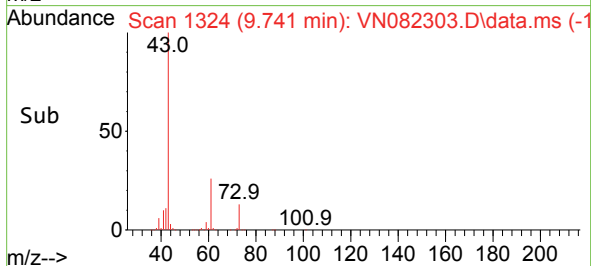


#49
1,4-Dioxane
Concen: 5.290 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Instrument :
MSVOA_N
ClientSampleId :

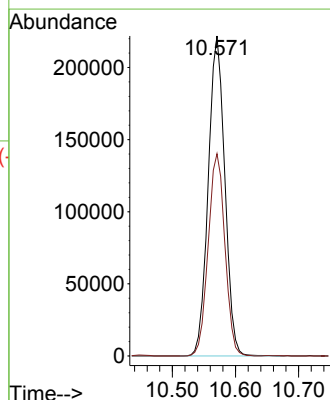
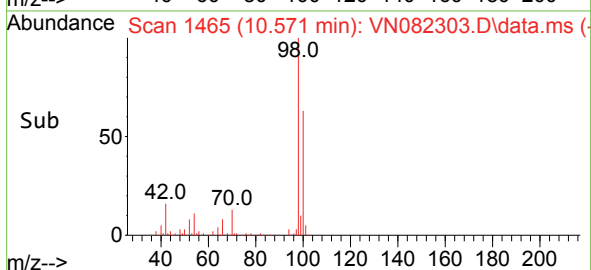
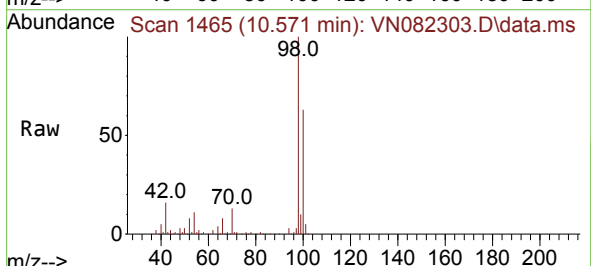


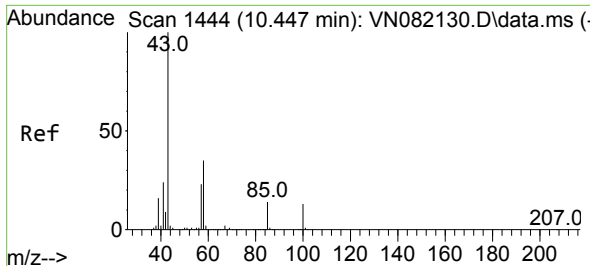
Tgt Ion: 88 Resp: 225
Ion Ratio Lower Upper
88 100
43 835814.2 19.0 28.6#
58 3361.8 50.6 76.0#



#50
Toluene-d8
Concen: 55.098 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Tgt Ion: 98 Resp: 404607
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.6

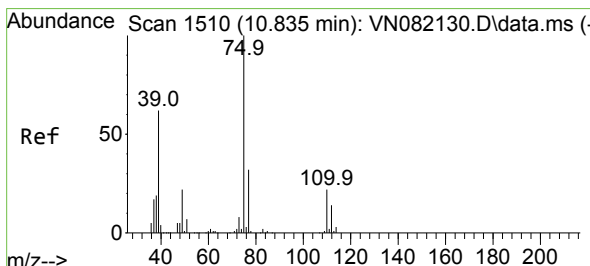
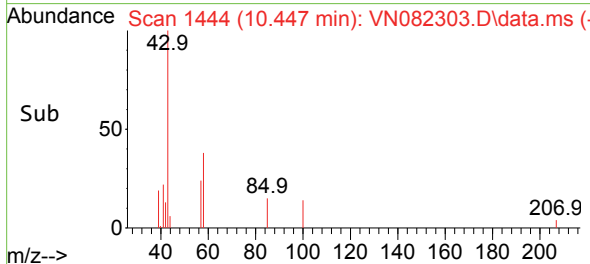
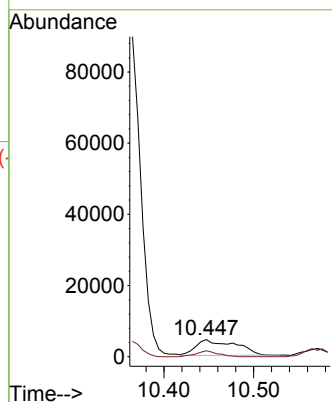
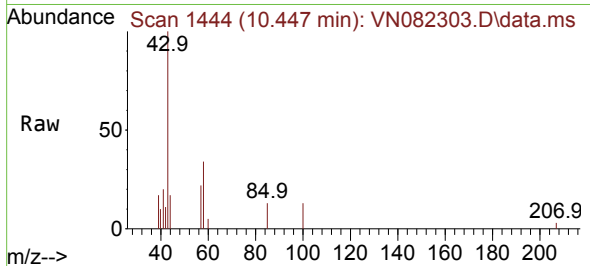




#51
4-Methyl-2-Pentanone
Concen: 3.754 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

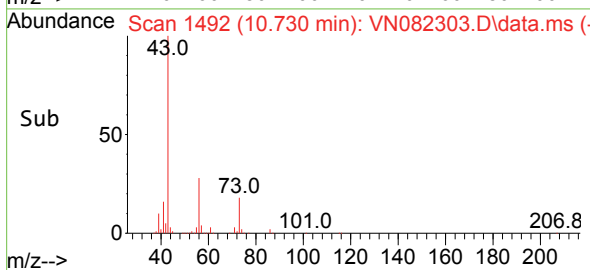
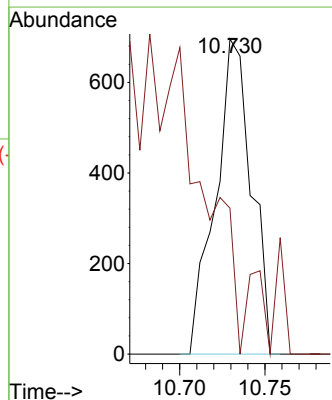
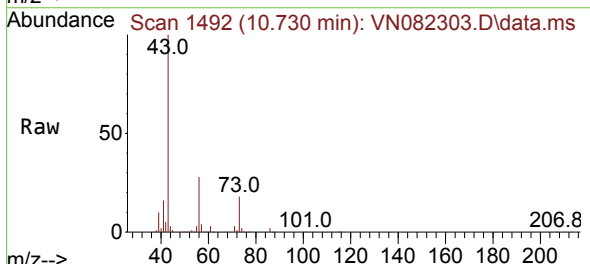
Instrument :
MSVOA_N
ClientSampleId :

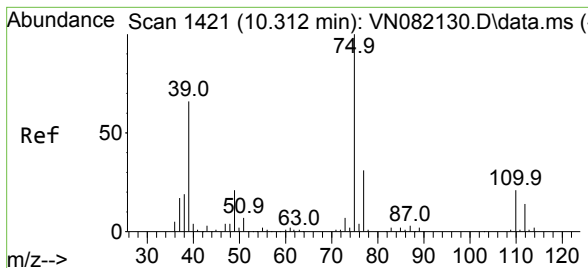
Tgt Ion: 43 Resp: 13588
Ion Ratio Lower Upper
43 100
58 19.9 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.287 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Tgt Ion: 75 Resp: 1018
Ion Ratio Lower Upper
75 100
77 9.3 25.4 38.0#

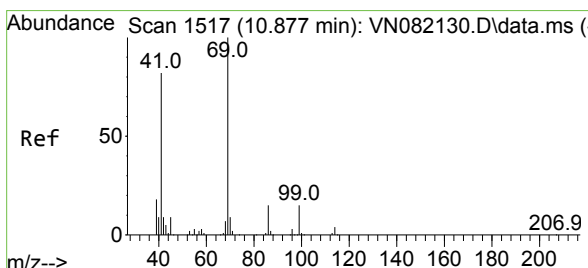
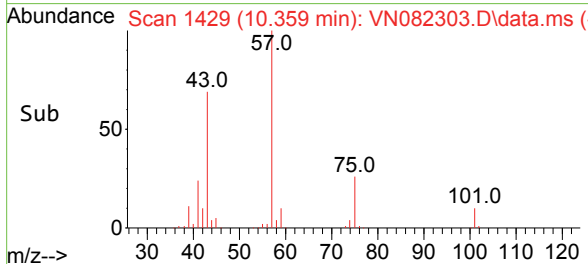
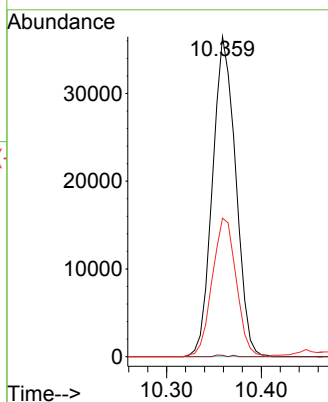
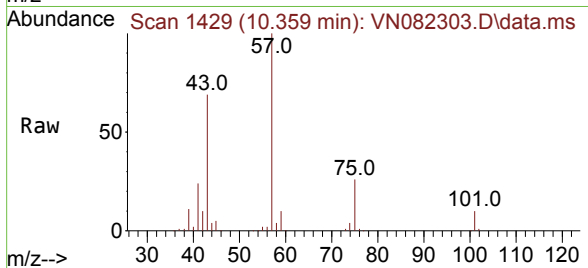




#54
 cis-1,3-Dichloropropene
 Concen: 16.550 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082303.D
 Acq: 22 May 2024 19:29

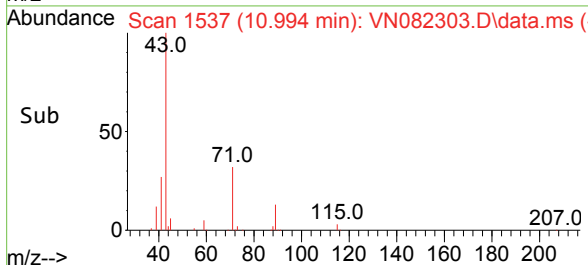
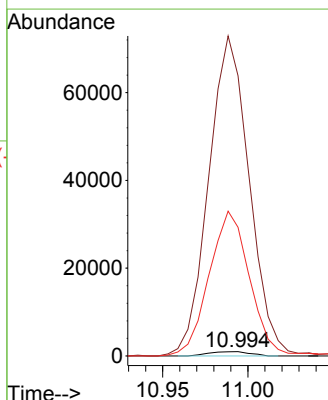
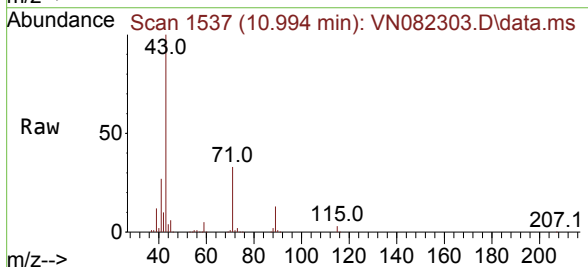
Instrument :
 MSVOA_N
 ClientSampleId :

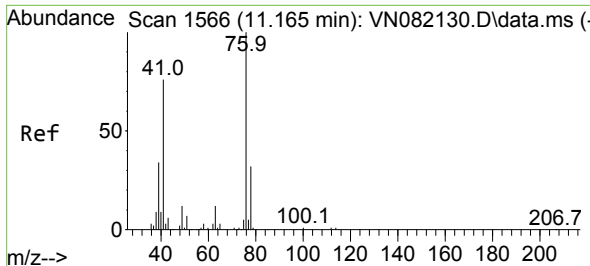
Tgt Ion: 75 Resp: 62066
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 43.3 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.472 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN082303.D
 Acq: 22 May 2024 19:29

Tgt Ion: 69 Resp: 1673
 Ion Ratio Lower Upper
 69 100
 41 7251.6 46.6 70.0#
 39 3287.7 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 2.053 ug/l

RT: 11.206 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN082303.D

Acq: 22 May 2024 19:29

Instrument :

MSVOA_N

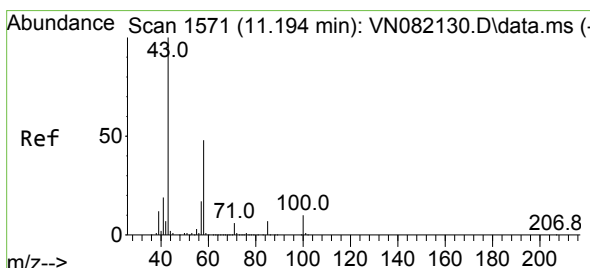
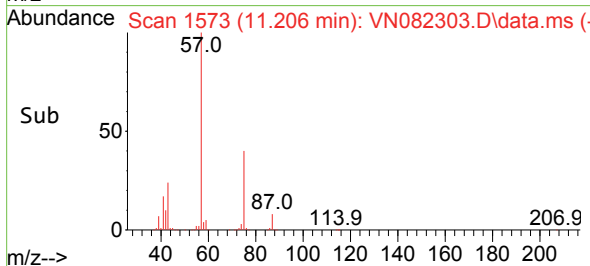
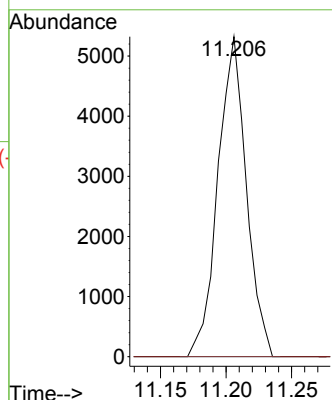
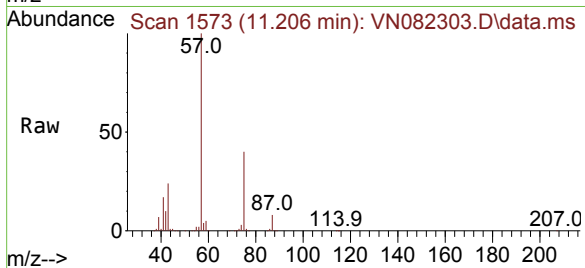
ClientSampleId :

Tgt Ion: 76 Resp: 8018

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 65.110 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.018 min

Lab File: VN082303.D

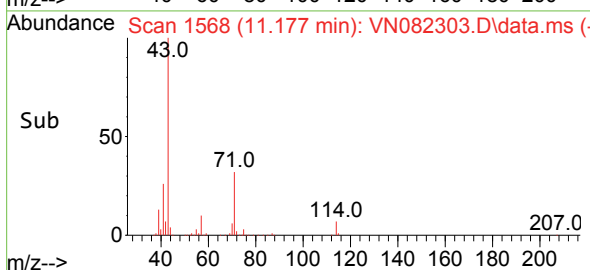
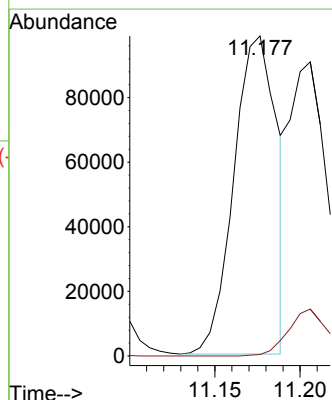
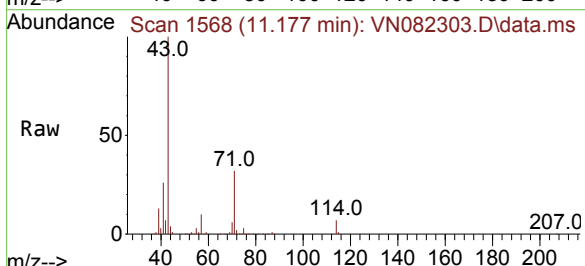
Acq: 22 May 2024 19:29

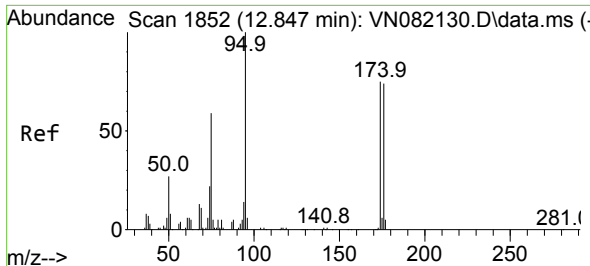
Tgt Ion: 43 Resp: 172548

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

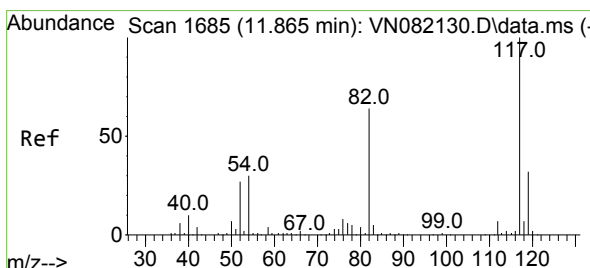
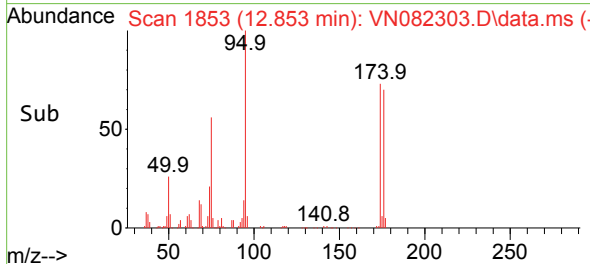
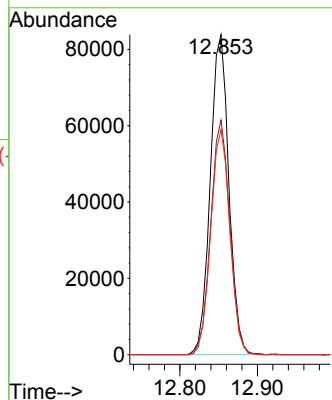
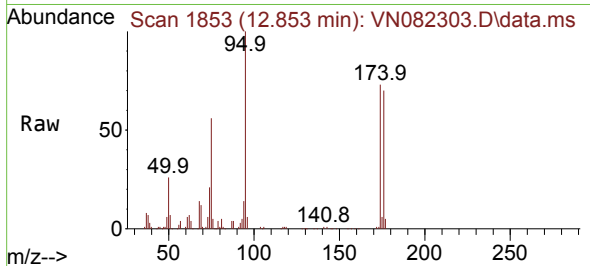




#62
4-Bromofluorobenzene
Concen: 53.419 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

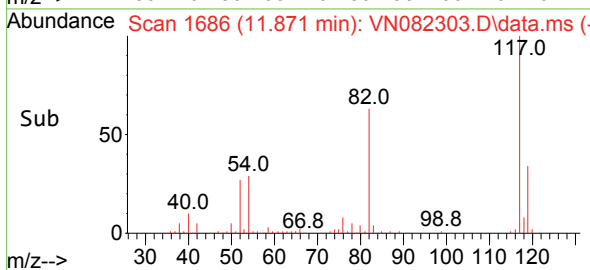
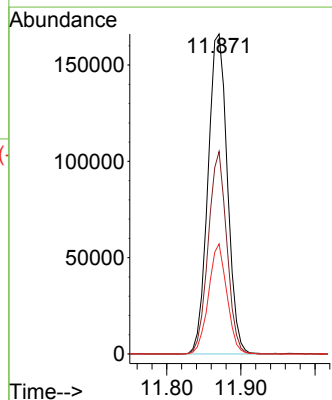
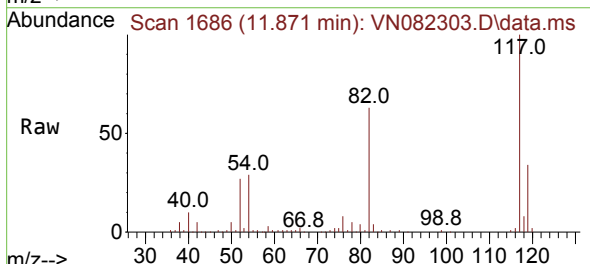
Instrument :
MSVOA_N
ClientSampleId :

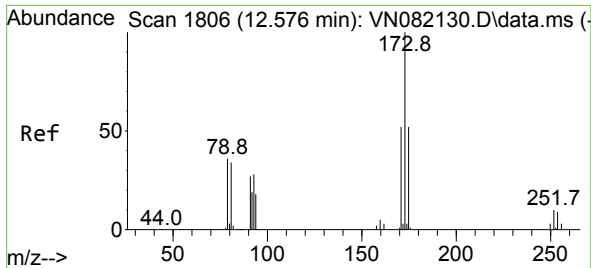
Tgt Ion: 95 Resp: 140015
Ion Ratio Lower Upper
95 100
174 75.5 0.0 160.6
176 71.9 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

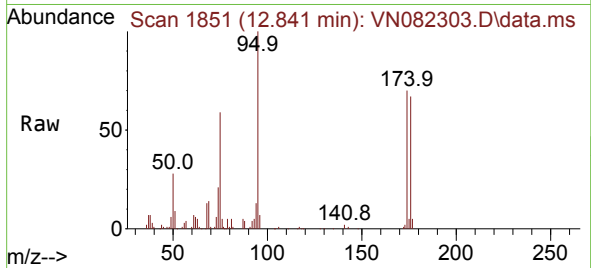
Tgt Ion: 117 Resp: 302390
Ion Ratio Lower Upper
117 100
82 63.2 44.6 66.8
119 34.4 25.9 38.9



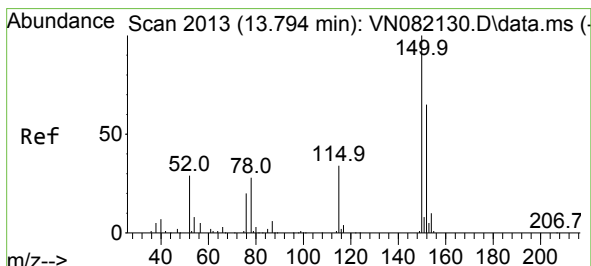
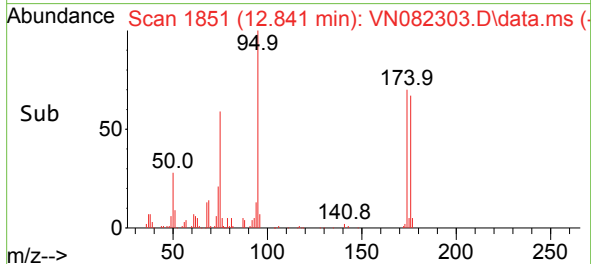
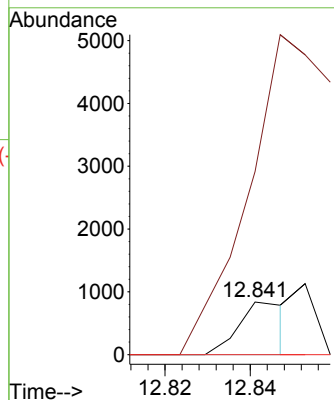


#71
Bromoform
Concen: 1.076 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Instrument :
MSVOA_N
ClientSampleId :

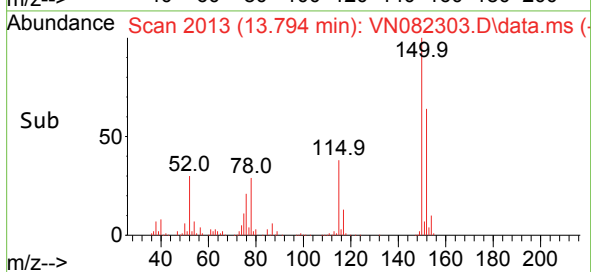
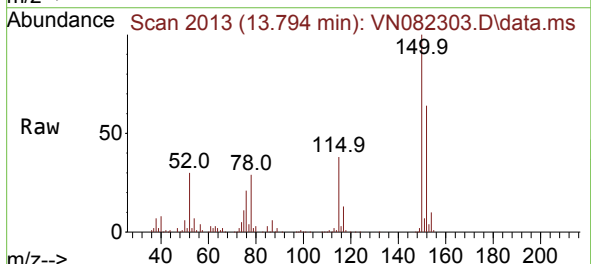
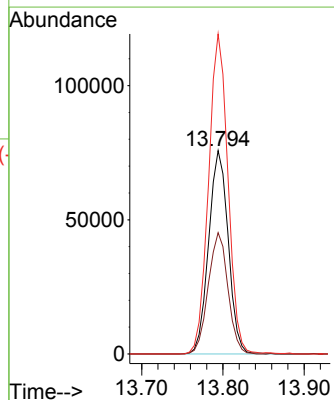


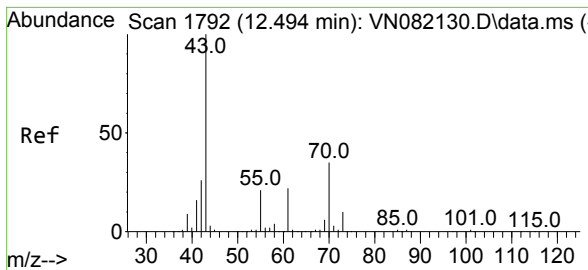
Tgt Ion:173 Resp: 666
Ion Ratio Lower Upper
173 100
175 801.1 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

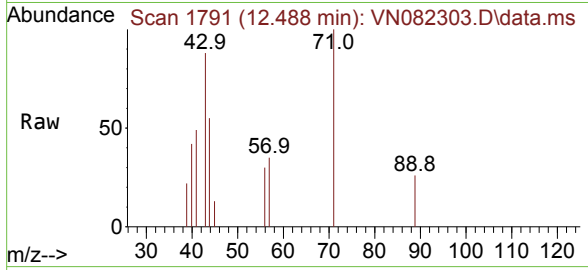
Tgt Ion:152 Resp: 126593
Ion Ratio Lower Upper
152 100
115 60.0 30.4 91.3
150 156.5 0.0 353.2



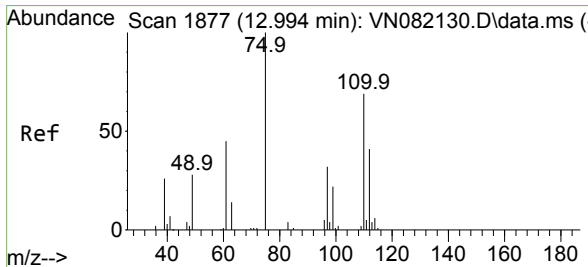
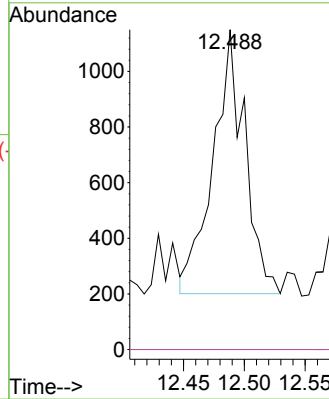
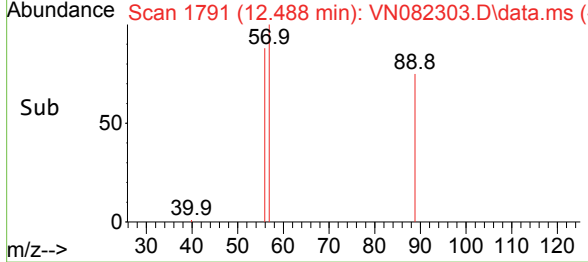


#74
N-amy1 acetate
Concen: 0.312 ug/l
RT: 12.488 min Scan# 1724
Delta R.T. -0.006 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Instrument :
MSVOA_N
ClientSampleId :

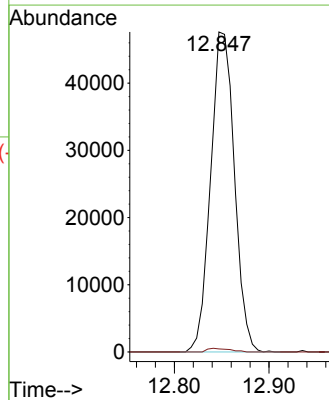
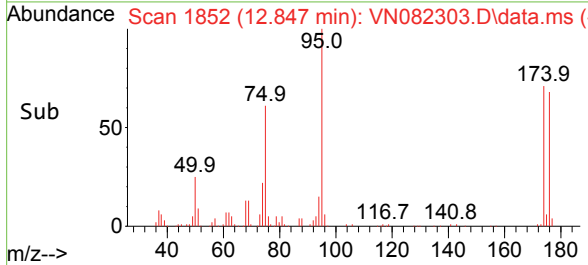
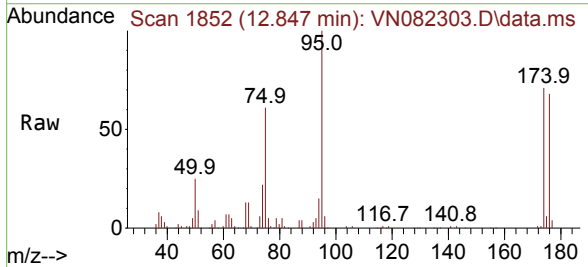


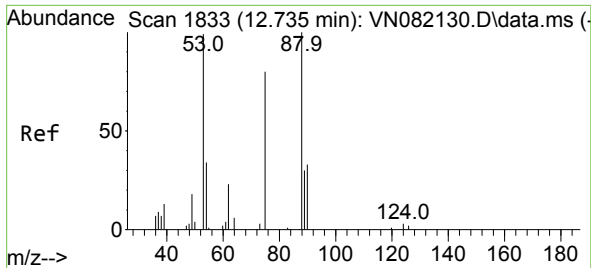
Tgt Ion:	43	Resp:	1724
Ion Ratio	100	Lower	Upper
70	0.0	39.0	58.4#
55	0.0	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 31.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

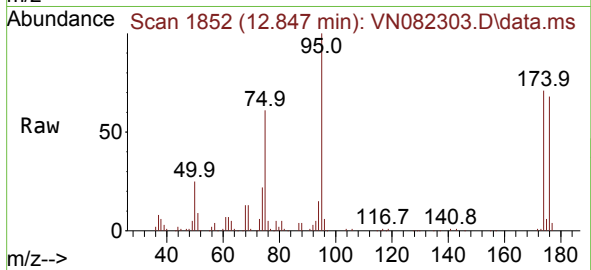
Tgt Ion:	75	Resp:	83227
Ion Ratio	100	Lower	Upper
77	1.1	90.5	271.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.059 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082303.D
Acq: 22 May 2024 19:29

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 83227
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

