

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082295.D
 Acq On : 22 May 2024 16:14
 Operator : JC\MD
 Sample : PB161037ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:53:49 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)

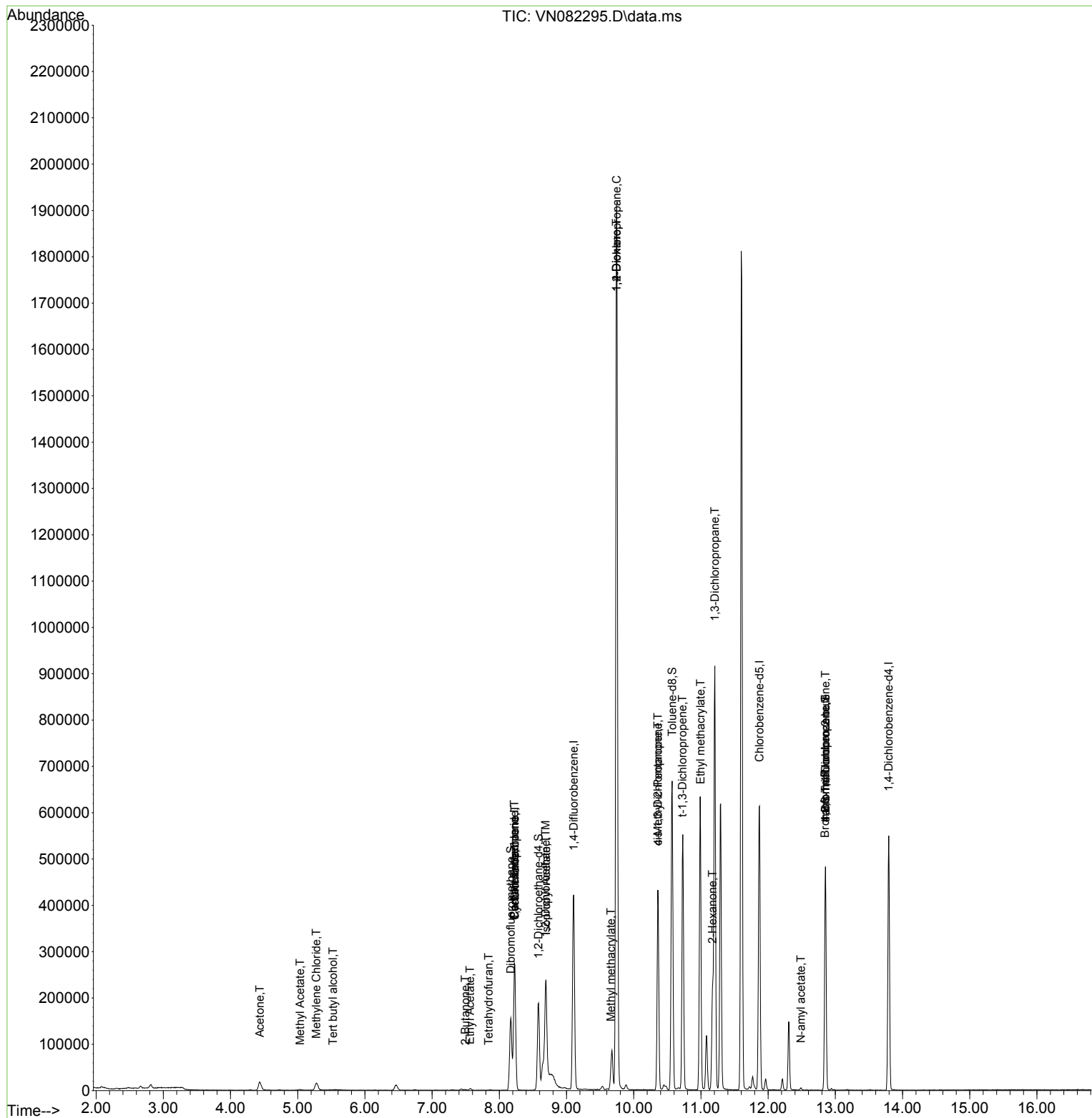
Internal Standards						
1) Pentafluorobenzene	8.224	168	190012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	337735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	321680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	154637	51.540	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.080%			
35) Dibromofluoromethane	8.171	113	107401	51.695	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.380%			
50) Toluene-d8	10.571	98	433019	54.363	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.720%			
62) 4-Bromofluorobenzene	12.853	95	151792	53.391	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 106.780%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	119	0.247	ug/l #	71
16) Acetone	4.436	43	35545	28.880	ug/l	90
18) Methyl Acetate	5.036	43	3734	1.218	ug/l #	74
20) Methylene Chloride	5.277	84	10817	4.356	ug/l #	77
25) 2-Butanone	7.494	43	3212	1.721	ug/l #	65
29) Tetrahydrofuran	7.841	42	834	0.696	ug/l #	35
31) Cyclohexane	8.230	56	5941	1.240	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	17925	5.144	ug/l #	49
37) Ethyl Acetate	7.565	43	5768	1.479	ug/l #	79
38) Carbon Tetrachloride	8.224	117	19832	5.615	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1350	0.338	ug/l #	73
43) Isopropyl Acetate	8.694	43	358122	51.829	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	2161	0.806	ug/l #	45
48) Methyl methacrylate	9.659	41	6135	1.863	ug/l #	36
49) 1,4-Dioxane	9.741	88	201	4.357	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	176231	44.890	ug/l #	43
53) t-1,3-Dichloropropene	10.724	75	1275	0.332	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	65975	16.219	ug/l #	74
56) Ethyl methacrylate	10.994	69	1490	0.387	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8380	1.978	ug/l #	42
59) 2-Hexanone	11.171	43	183791	63.937	ug/l #	23
71) Bromoform	12.847	173	1120	1.294	ug/l #	28
74) N-amyl acetate	12.488	43	2698	0.457	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	90918	31.944	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	90918	74.715	ug/l #	12

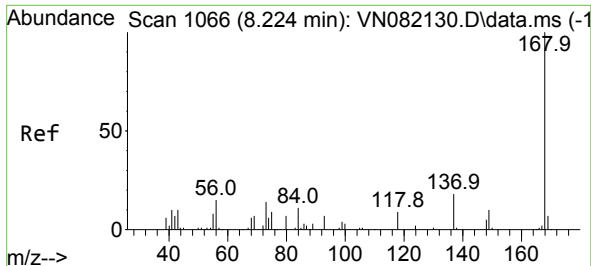
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
Data File : VN082295.D
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Sample : PB161037ZHE#08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

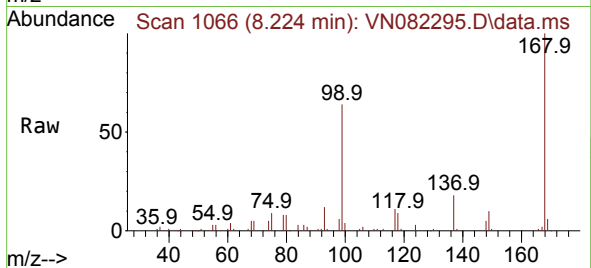
Quant Time: May 23 01:53:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



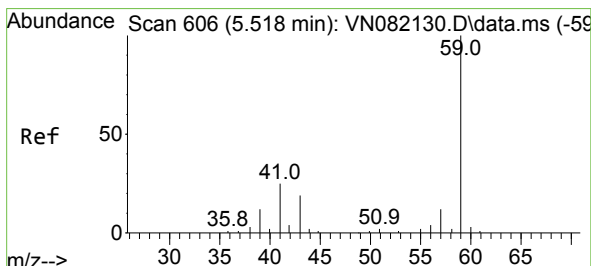
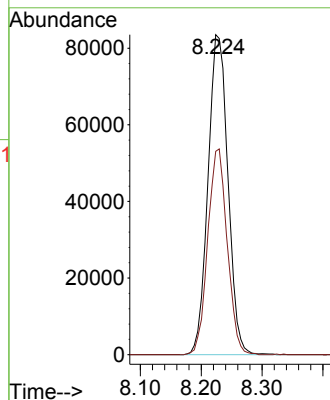
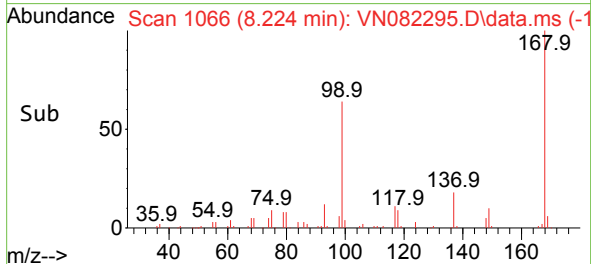


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :

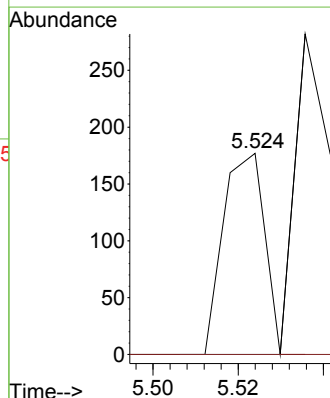
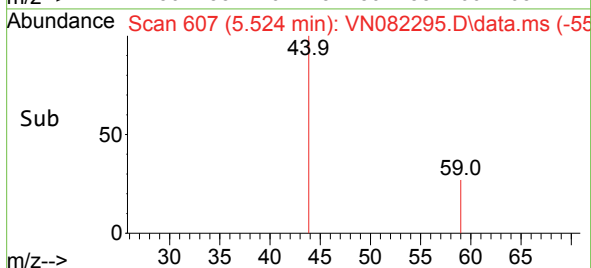
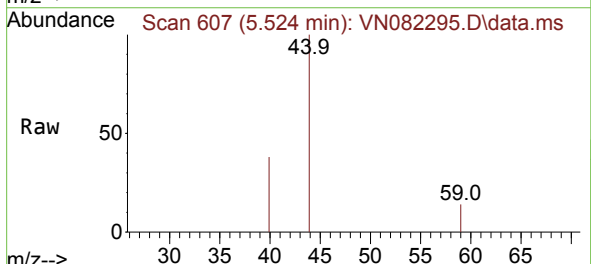


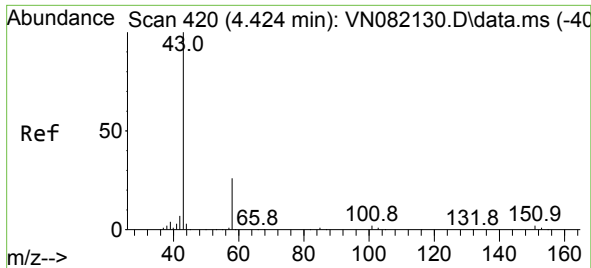
Tgt Ion:168 Resp: 190012
Ion Ratio Lower Upper
168 100
99 63.6 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.247 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

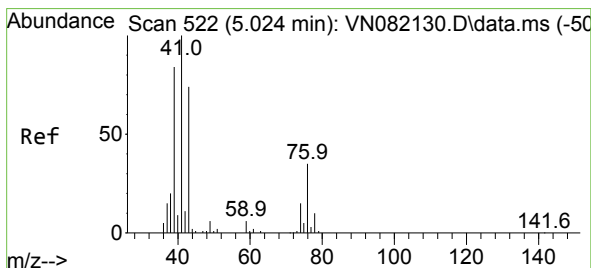
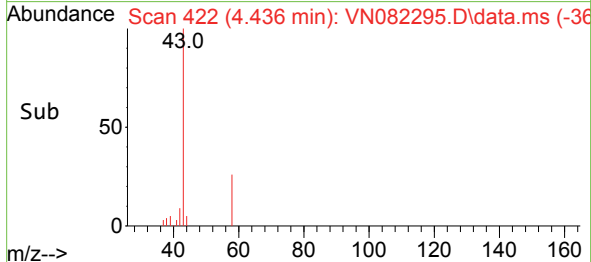
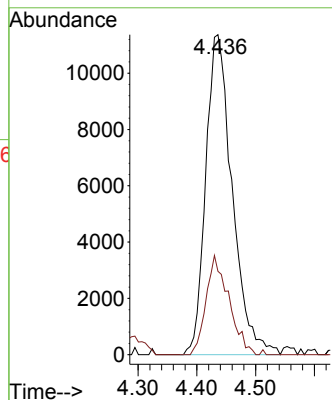
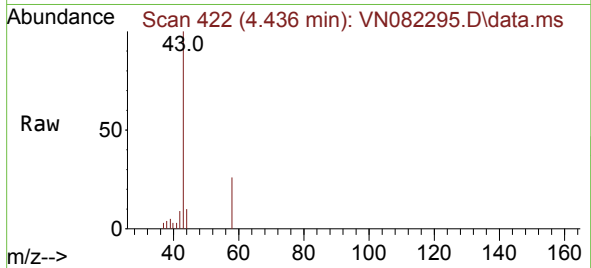




#16
Acetone
Concen: 28.880 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

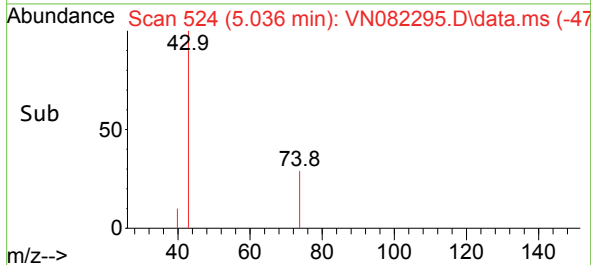
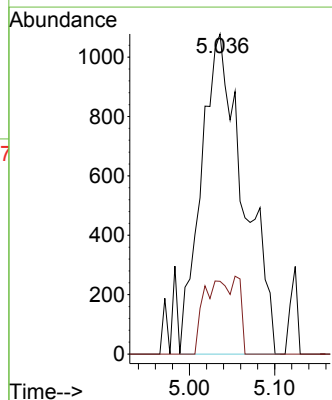
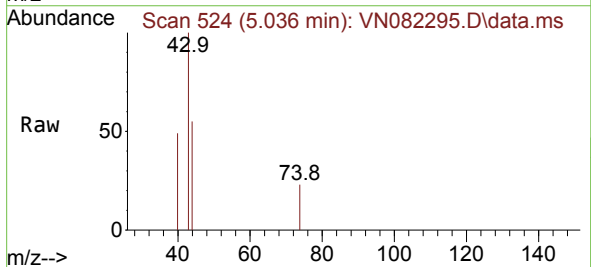
Instrument :
MSVOA_N
ClientSampleId :

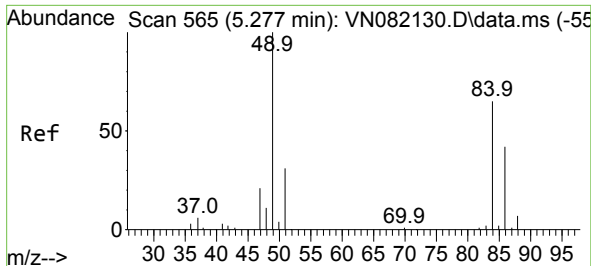
Tgt Ion: 43 Resp: 35545
Ion Ratio Lower Upper
43 100
58 26.1 25.2 37.8



#18
Methyl Acetate
Concen: 1.218 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

Tgt Ion: 43 Resp: 3734
Ion Ratio Lower Upper
43 100
74 14.1 22.2 33.2#





#20

Methylene Chloride

Concen: 4.356 ug/l

RT: 5.277 min Scan# 5

Delta R.T. 0.000 min

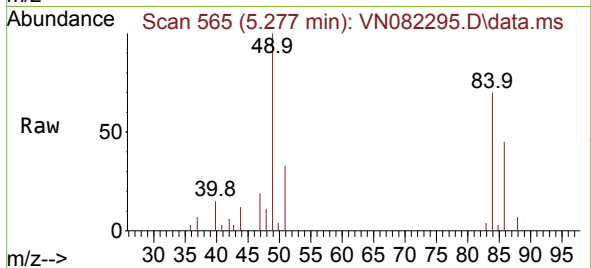
Lab File: VN082295.D

Acq: 22 May 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 10817

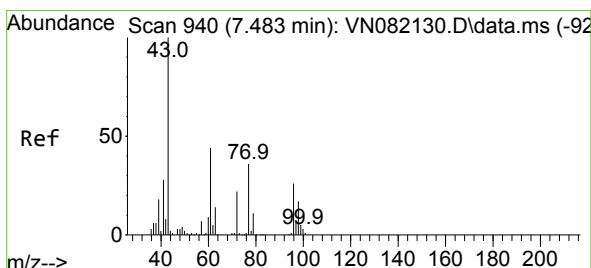
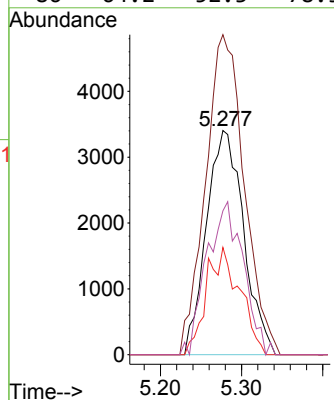
Ion Ratio Lower Upper

84 100

49 142.7 84.9 127.3#

51 47.8 27.0 40.6#

86 64.2 52.3 78.5



#25

2-Butanone

Concen: 1.721 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN082295.D

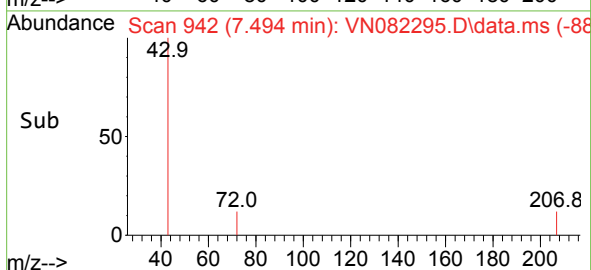
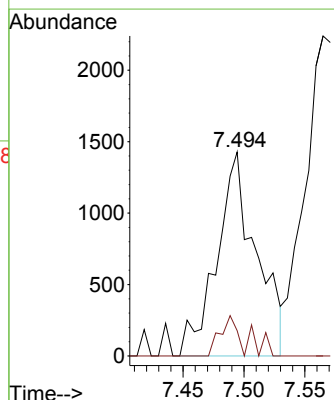
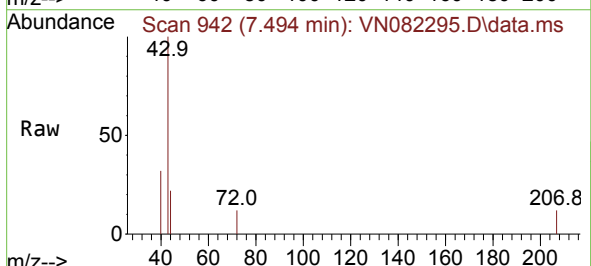
Acq: 22 May 2024 16:14

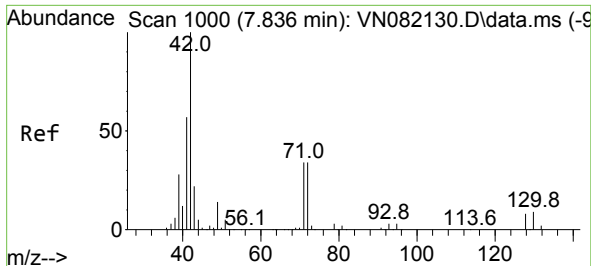
Tgt Ion: 43 Resp: 3212

Ion Ratio Lower Upper

43 100

72 12.4 25.3 37.9#





#29

Tetrahydrofuran

Concen: 0.696 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.005 min

Lab File: VN082295.D

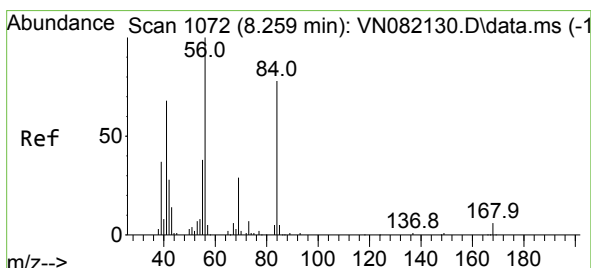
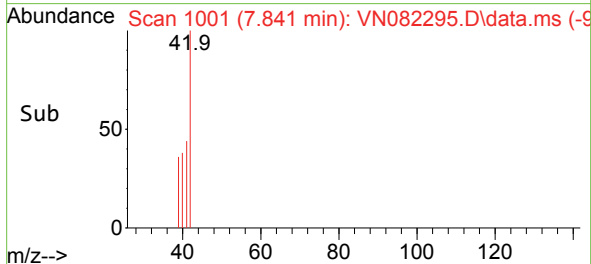
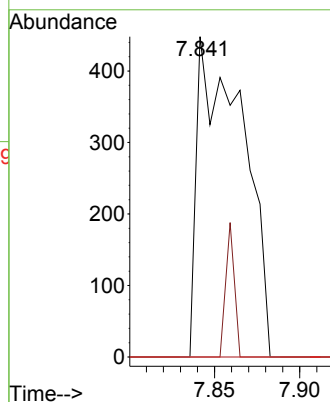
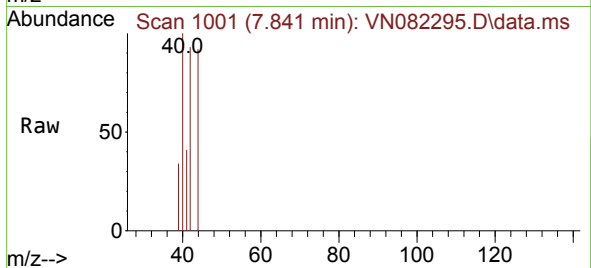
Acq: 22 May 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 42	Resp: 834
Ion Ratio	Lower Upper
42	100
72	7.9 39.3 58.9#
71	0.0 37.4 56.0#



#31

Cyclohexane

Concen: 1.240 ug/l

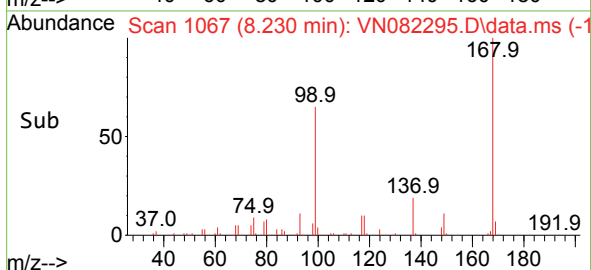
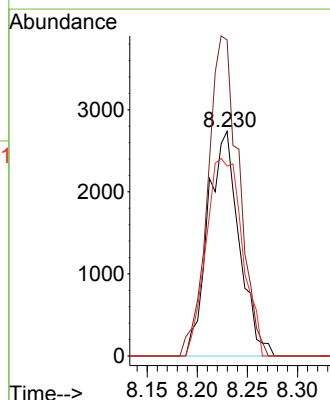
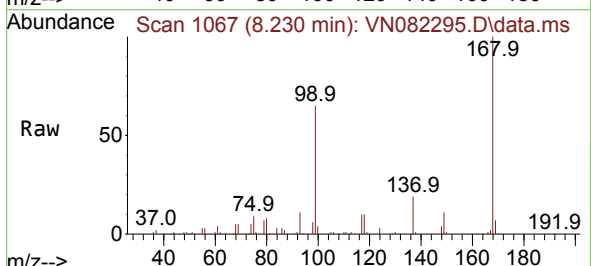
RT: 8.230 min Scan# 1067

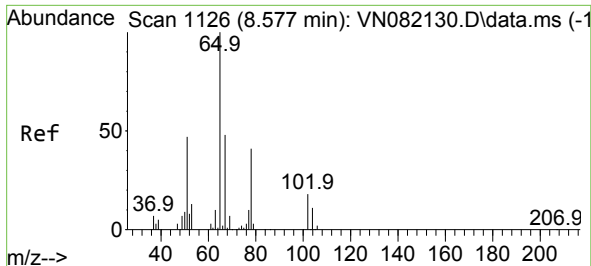
Delta R.T. -0.029 min

Lab File: VN082295.D

Acq: 22 May 2024 16:14

Tgt Ion: 56	Resp: 5941
Ion Ratio	Lower Upper
56	100
69	140.7 24.4 36.6#
84	84.5 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 51.540 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082295.D

Acq: 22 May 2024 16:14

Instrument :

MSVOA_N

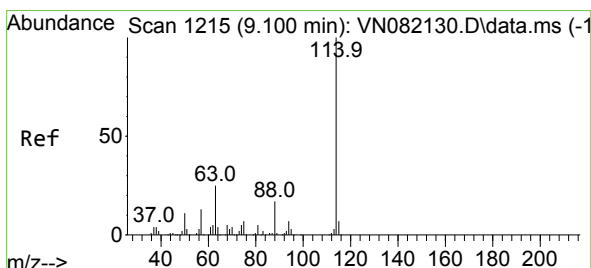
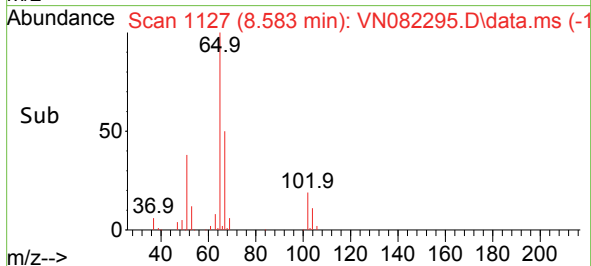
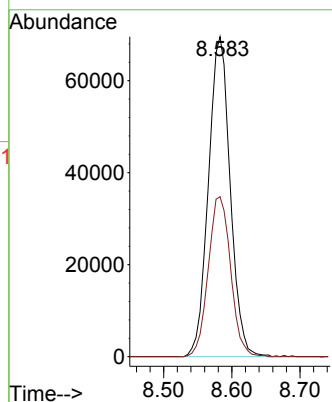
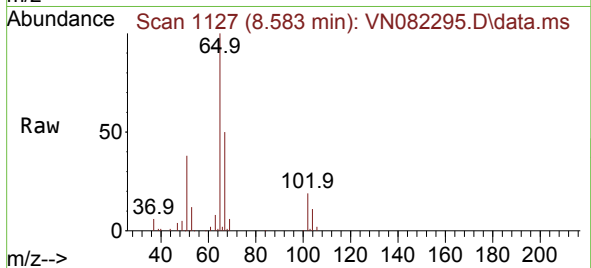
ClientSampleId :

Tgt Ion: 65 Resp: 154637

Ion Ratio Lower Upper

65 100

67 51.4 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: VN082295.D

Acq: 22 May 2024 16:14

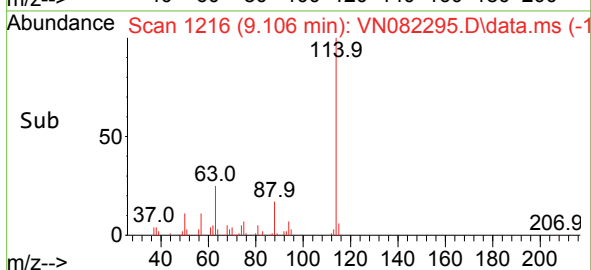
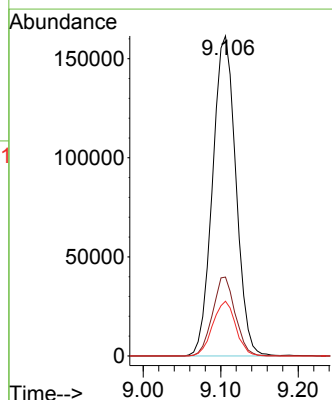
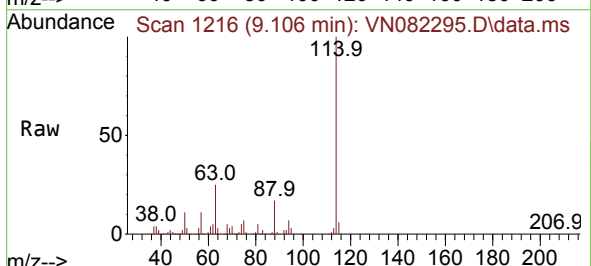
Tgt Ion: 114 Resp: 337735

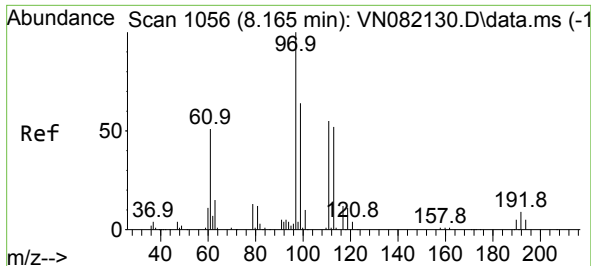
Ion Ratio Lower Upper

114 100

63 24.6 0.0 41.0

88 17.1 0.0 31.4

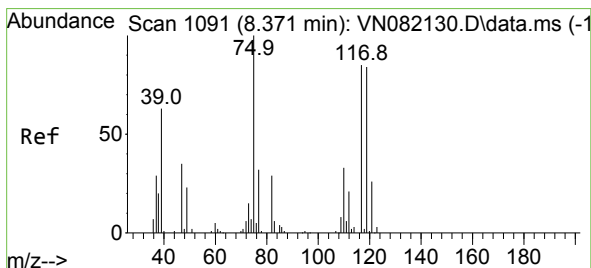
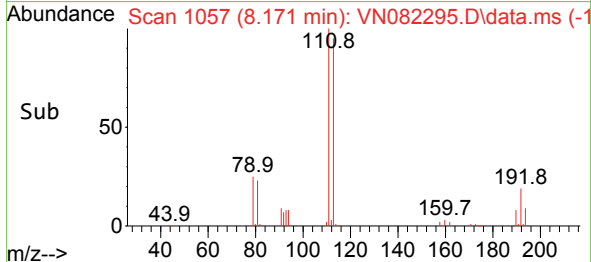
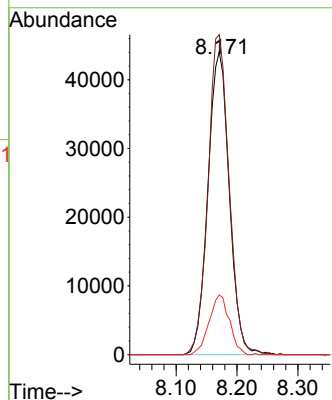
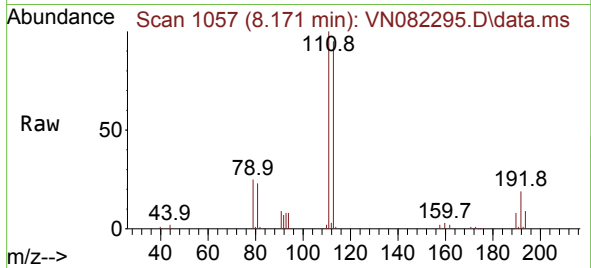




#35
Dibromofluoromethane
Concen: 51.695 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

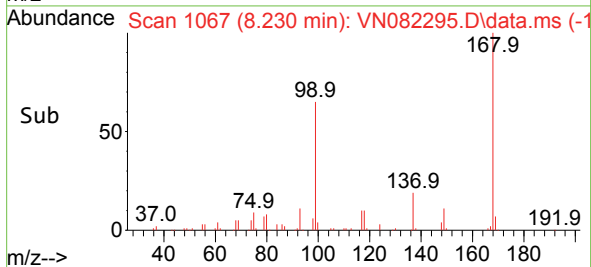
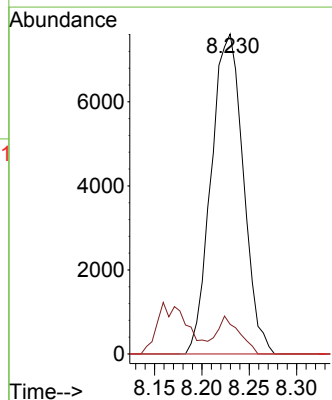
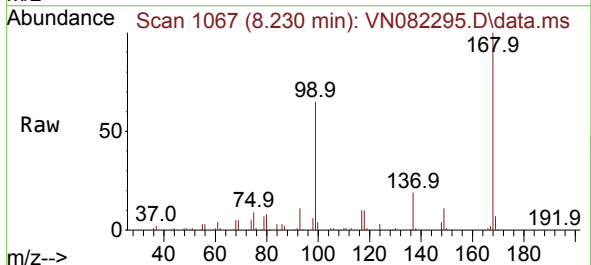
Instrument :
MSVOA_N
ClientSampleId :

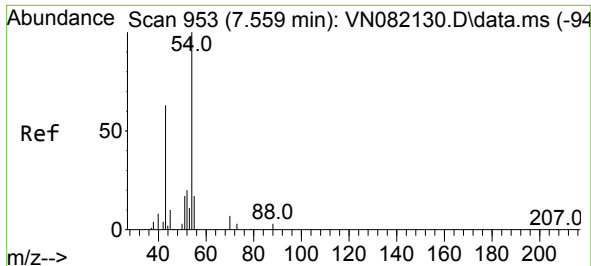
Tgt Ion:113 Resp: 107401
Ion Ratio Lower Upper
113 100
111 104.0 83.4 125.2
192 18.8 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.144 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

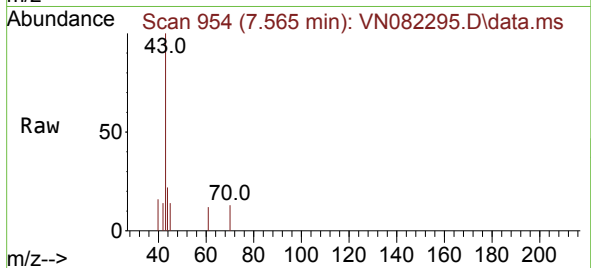
Tgt Ion: 75 Resp: 17925
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.5#
77 0.0 25.0 37.4#



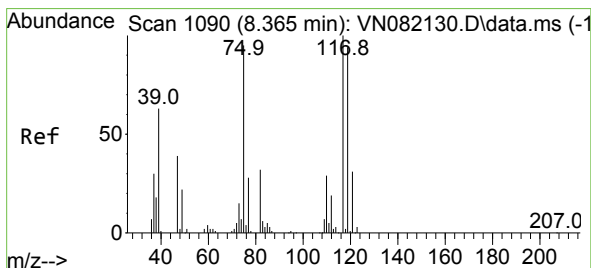
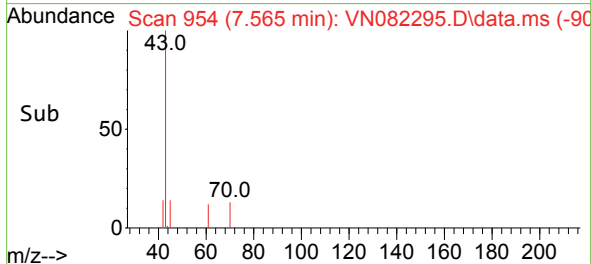
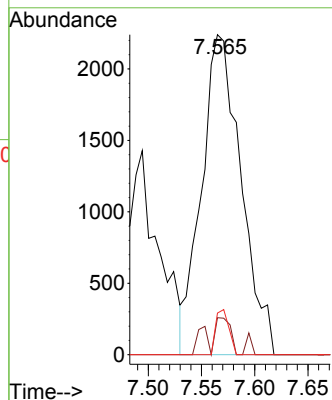


#37
Ethyl Acetate
Concen: 1.479 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :

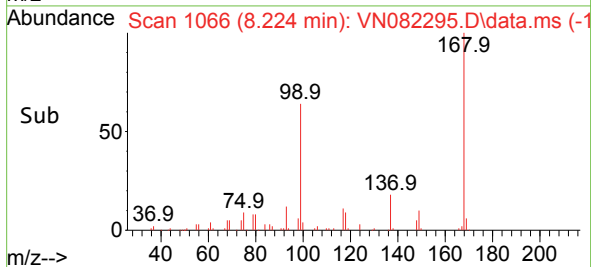
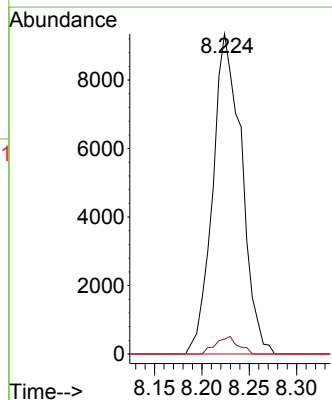
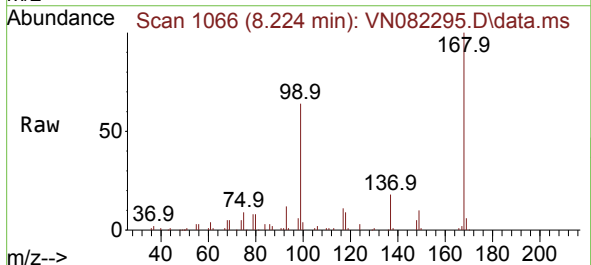


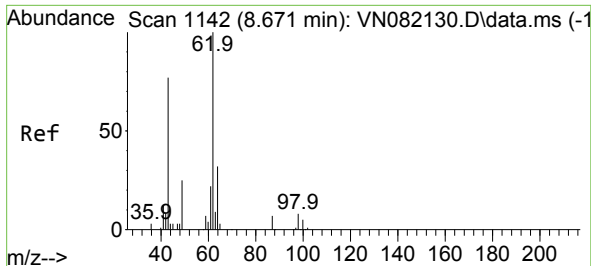
Tgt Ion: 43 Resp: 5768
Ion Ratio Lower Upper
43 100
61 4.4 11.3 16.9#
70 4.7 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.615 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

Tgt Ion: 117 Resp: 19832
Ion Ratio Lower Upper
117 100
119 4.6 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.338 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082295.D

Acq: 22 May 2024 16:14

Instrument :

MSVOA_N

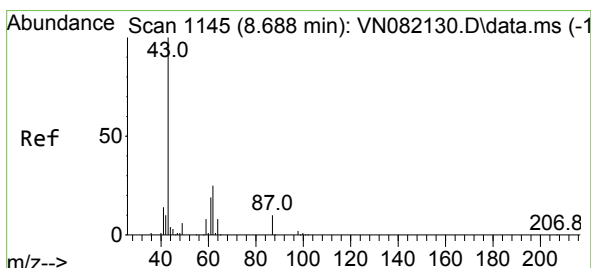
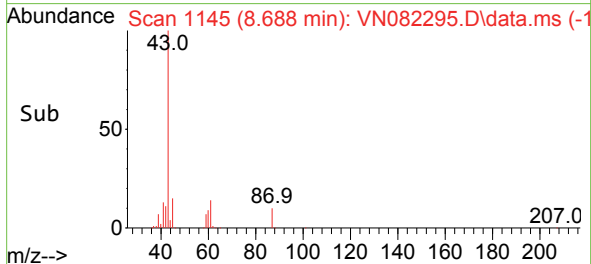
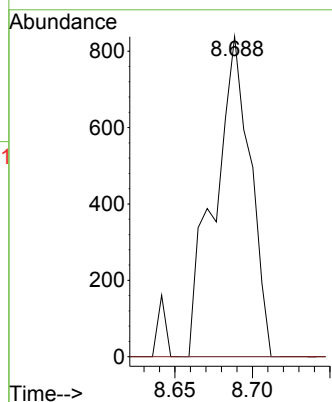
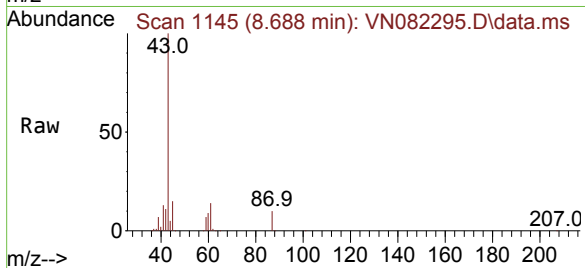
ClientSampleId :

Tgt Ion: 62 Resp: 1350

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 51.829 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082295.D

Acq: 22 May 2024 16:14

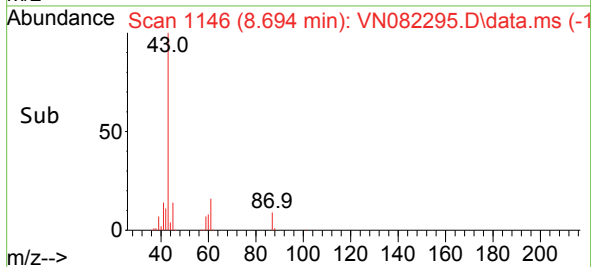
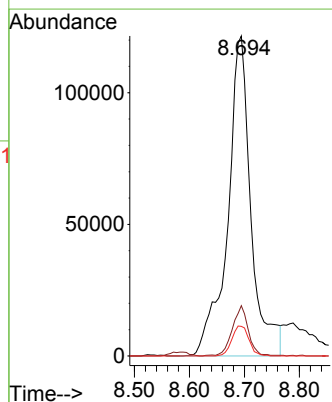
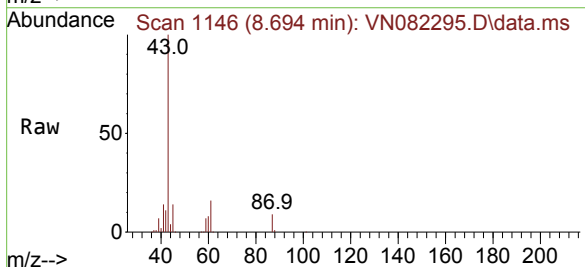
Tgt Ion: 43 Resp: 358122

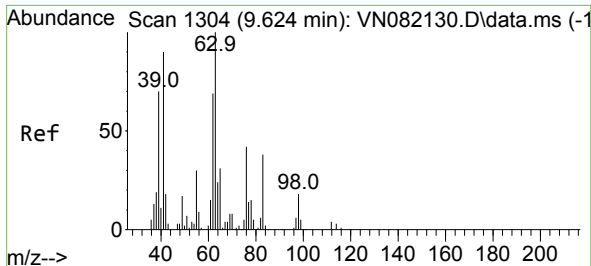
Ion Ratio Lower Upper

43 100

61 10.8 22.8 34.2#

87 6.8 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.806 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN082295.D

Acq: 22 May 2024 16:14

Instrument :

MSVOA_N

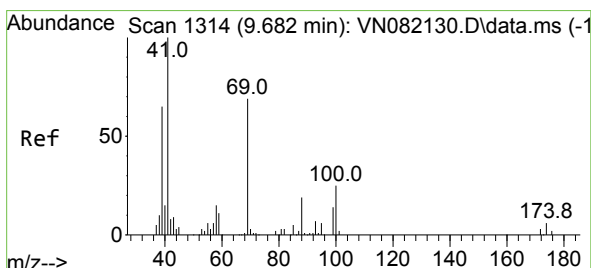
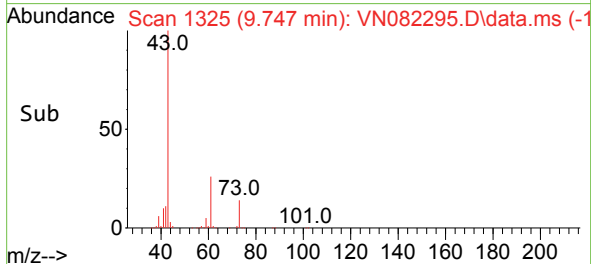
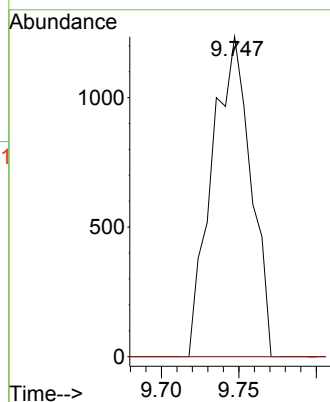
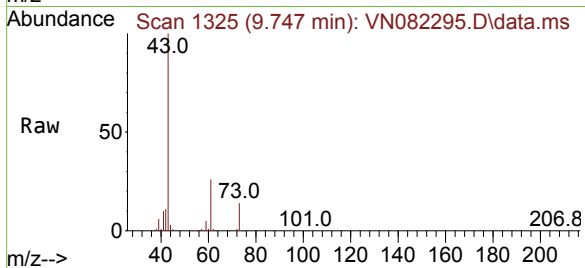
ClientSampleId :

Tgt Ion: 63 Resp: 2161

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.863 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN082295.D

Acq: 22 May 2024 16:14

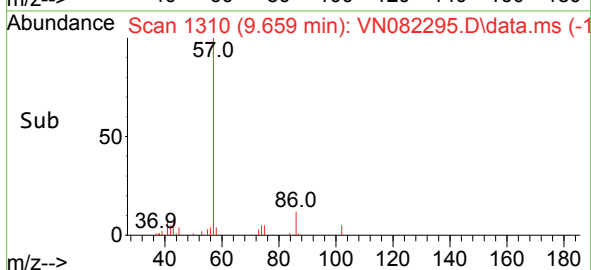
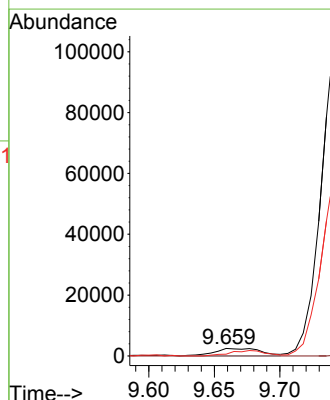
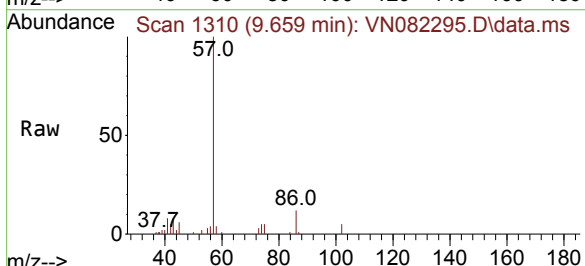
Tgt Ion: 41 Resp: 6135

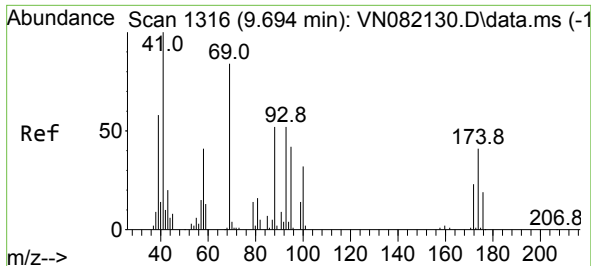
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 54.7 50.9 76.3





#49

1,4-Dioxane

Concen: 4.357 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

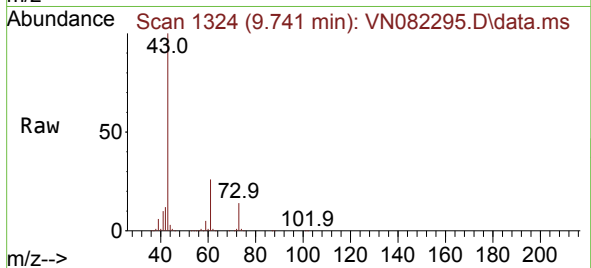
Lab File: VN082295.D

Acq: 22 May 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :



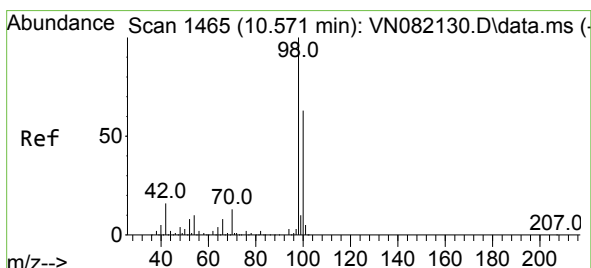
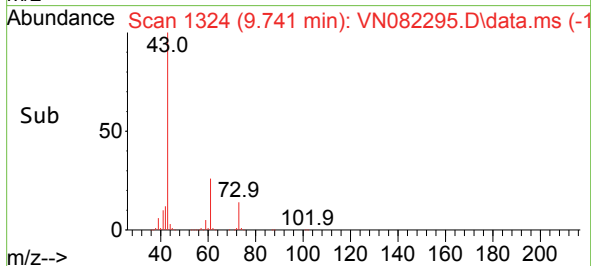
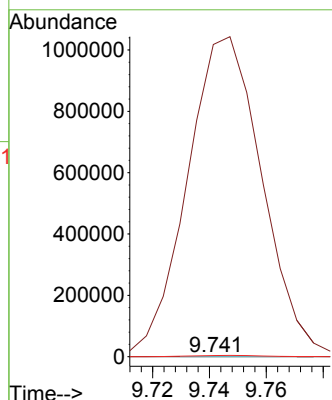
Tgt Ion: 88 Resp: 201

Ion Ratio Lower Upper

88 100

43 957886.1 19.0 28.6#

58 3572.6 50.6 76.0#



#50

Toluene-d8

Concen: 54.363 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082295.D

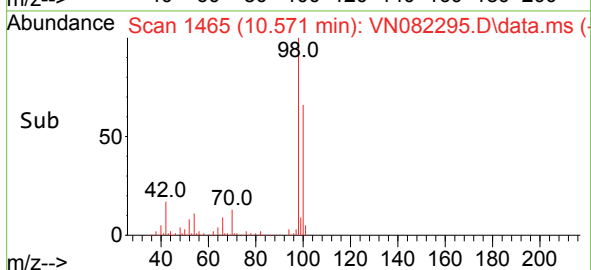
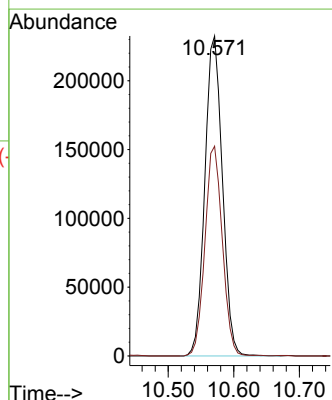
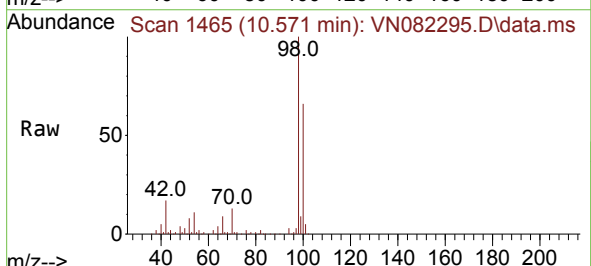
Acq: 22 May 2024 16:14

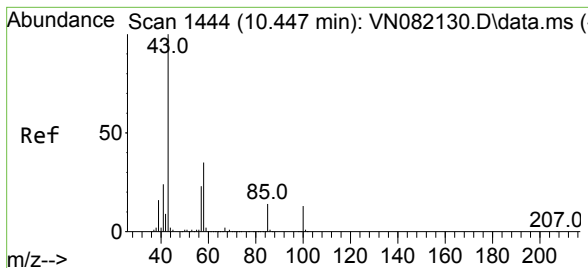
Tgt Ion: 98 Resp: 433019

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.6

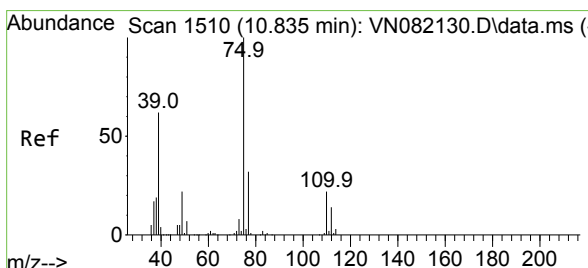
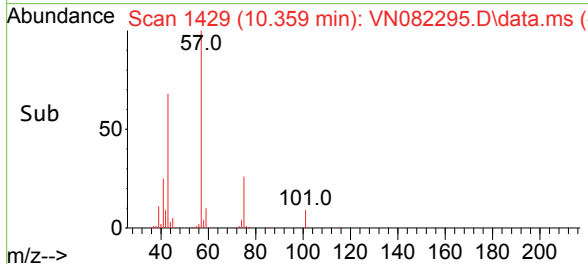
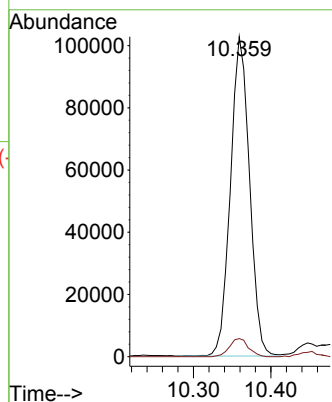
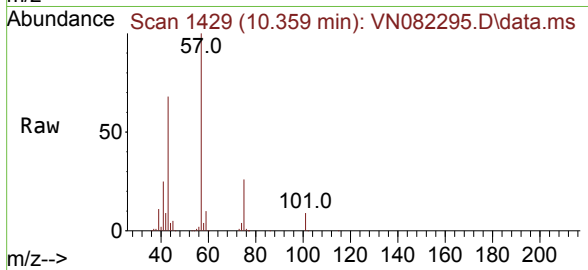




#51
4-Methyl-2-Pentanone
Concen: 44.890 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

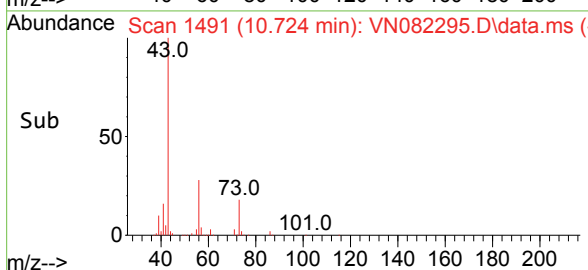
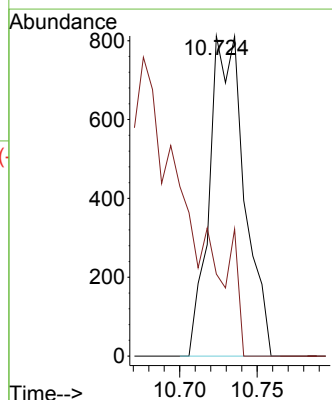
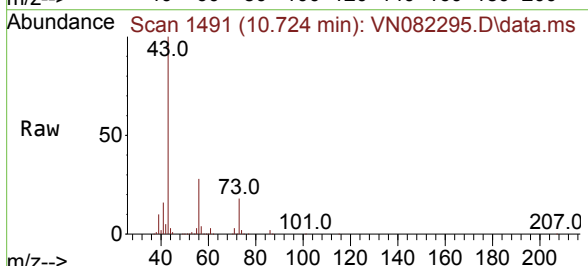
Instrument :
MSVOA_N
ClientSampleId :

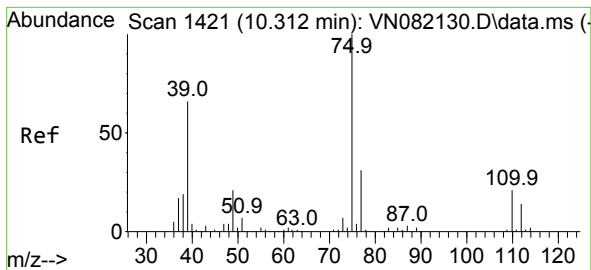
Tgt Ion: 43 Resp: 176231
Ion Ratio Lower Upper
43 100
58 5.6 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.332 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

Tgt Ion: 75 Resp: 1275
Ion Ratio Lower Upper
75 100
77 25.6 25.4 38.0

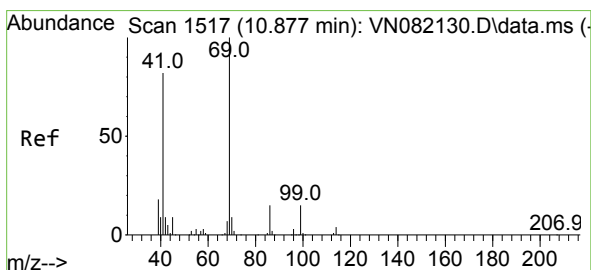
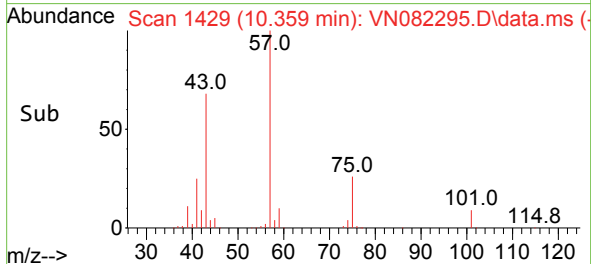
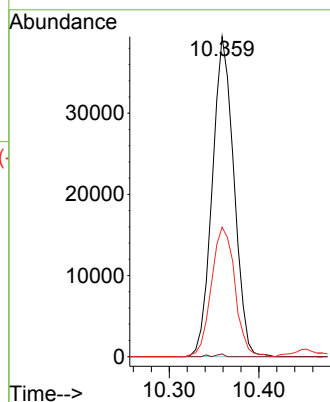
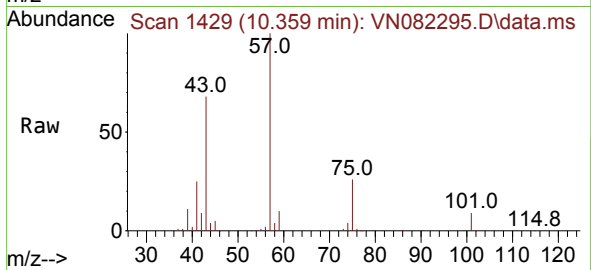




#54
 cis-1,3-Dichloropropene
 Concen: 16.219 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082295.D
 Acq: 22 May 2024 16:14

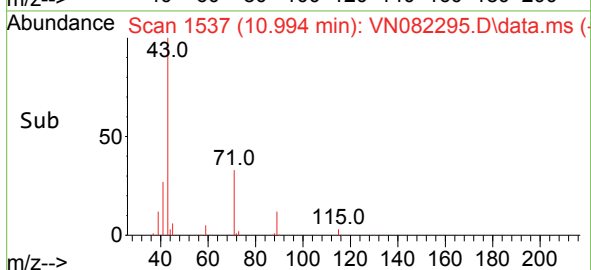
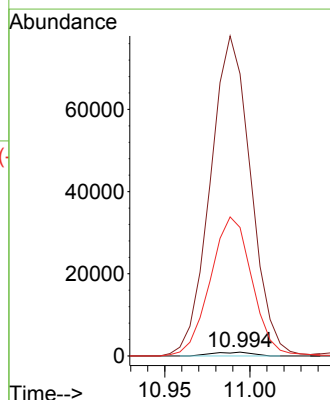
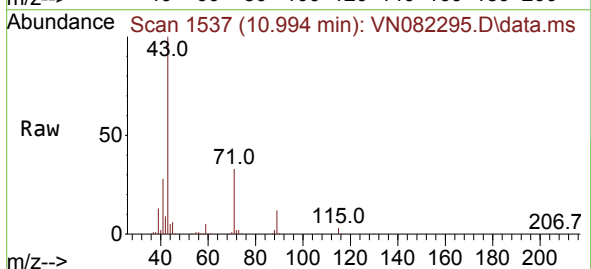
Instrument :
 MSVOA_N
 ClientSampleId :

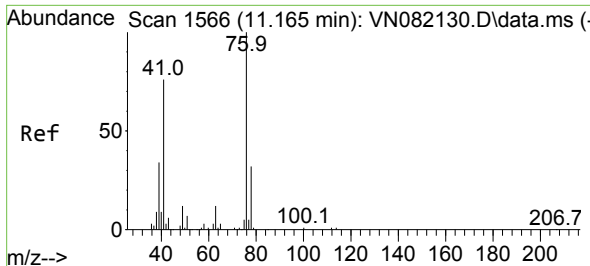
Tgt Ion: 75 Resp: 65975
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.4#
 39 40.4 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.387 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN082295.D
 Acq: 22 May 2024 16:14

Tgt Ion: 69 Resp: 1490
 Ion Ratio Lower Upper
 69 100
 41 8673.0 46.6 70.0#
 39 3882.8 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.978 ug/l

RT: 11.206 min Scan# 1

Delta R.T. 0.041 min

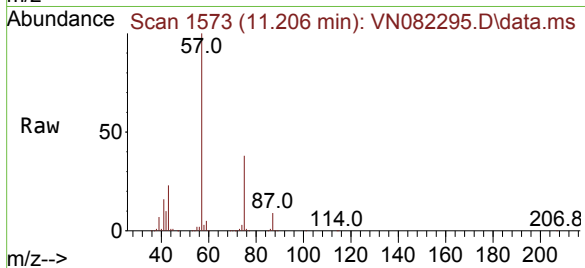
Lab File: VN082295.D

Acq: 22 May 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

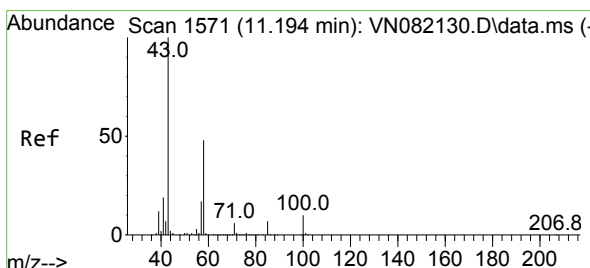
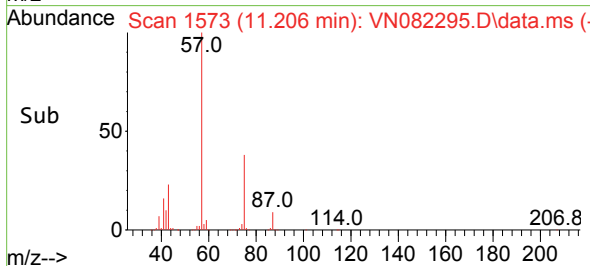
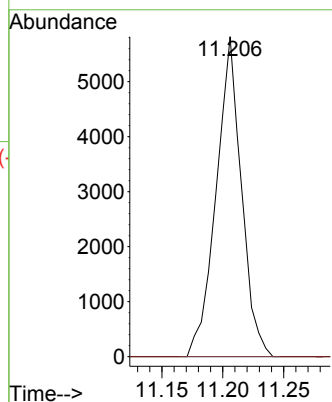


Tgt Ion: 76 Resp: 8380

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 63.937 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN082295.D

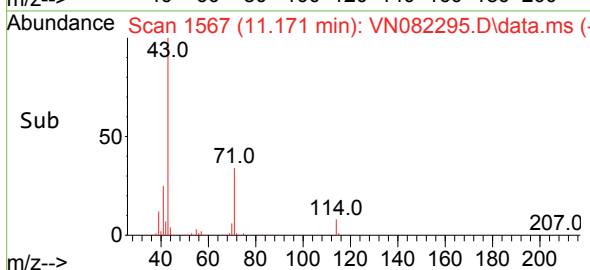
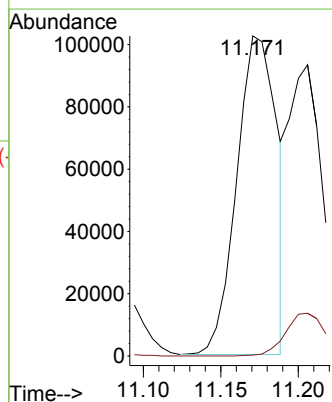
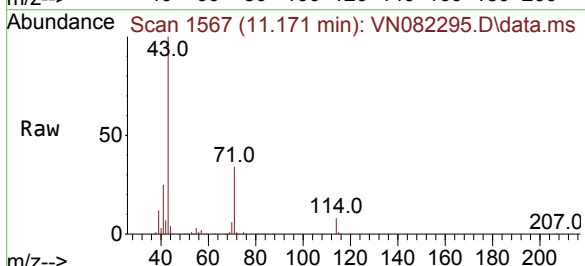
Acq: 22 May 2024 16:14

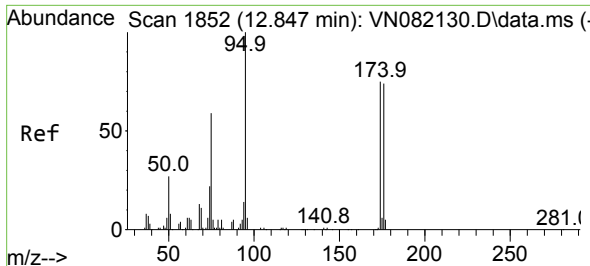
Tgt Ion: 43 Resp: 183791

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

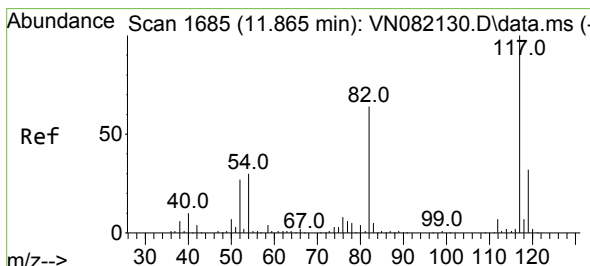
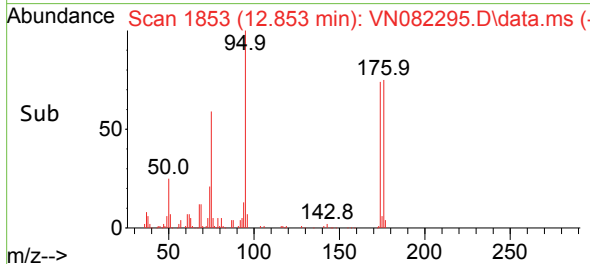
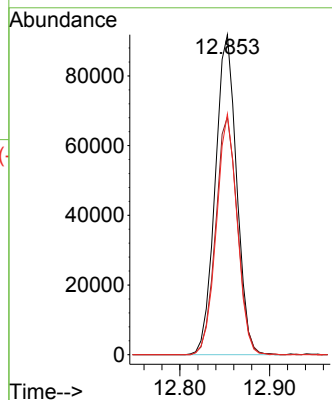
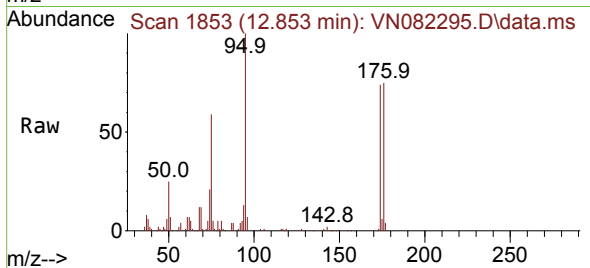




#62
4-Bromofluorobenzene
Concen: 53.391 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

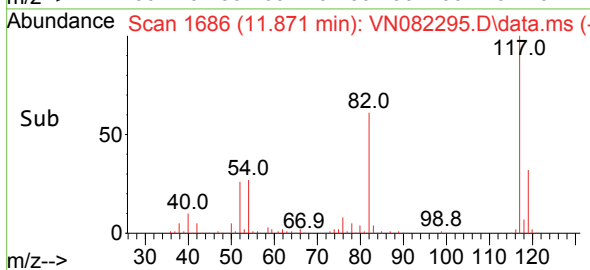
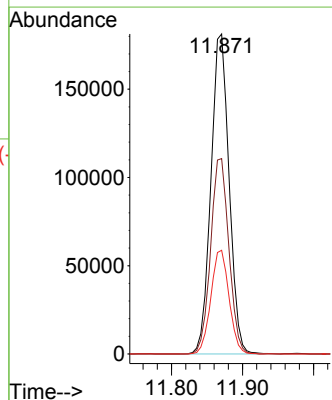
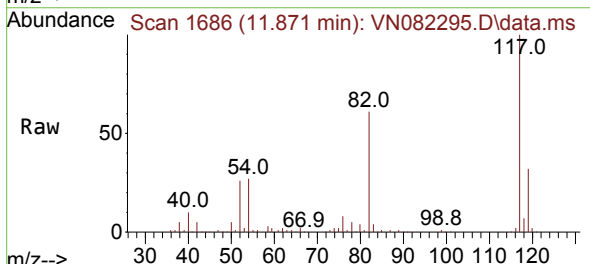
Instrument :
MSVOA_N
ClientSampleId :

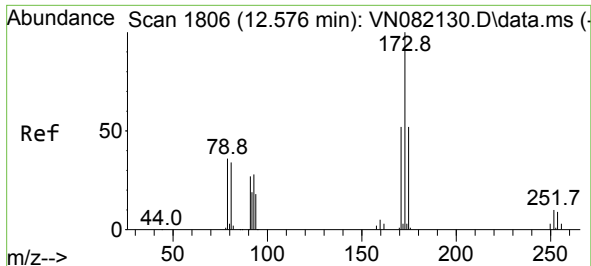
Tgt Ion: 95 Resp: 151792
Ion Ratio Lower Upper
95 100
174 75.7 0.0 160.6
176 72.9 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

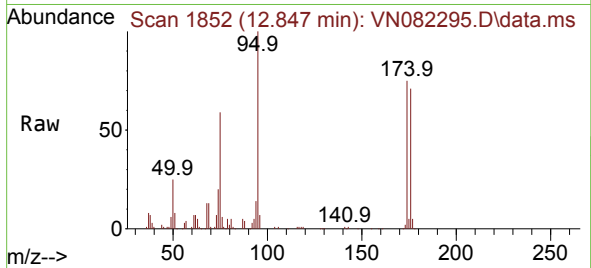
Tgt Ion: 117 Resp: 321680
Ion Ratio Lower Upper
117 100
82 61.0 44.6 66.8
119 32.4 25.9 38.9



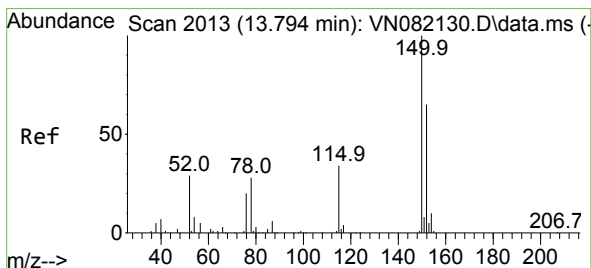
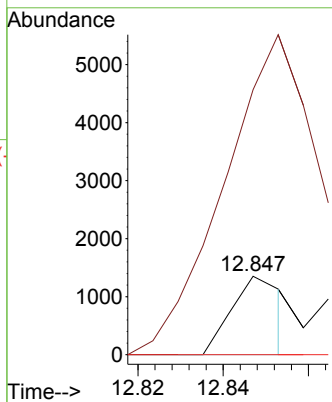
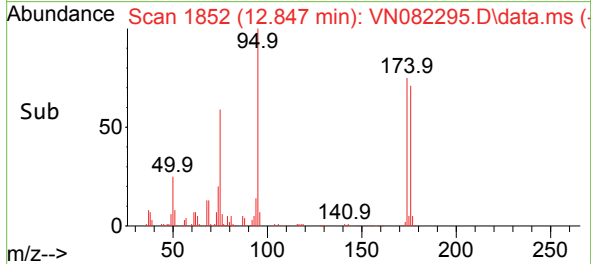


#71
Bromoform
Concen: 1.294 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

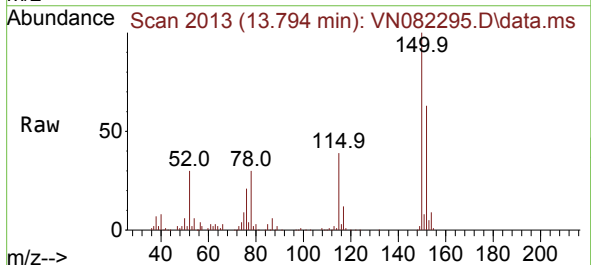
Instrument :
MSVOA_N
ClientSampleId :



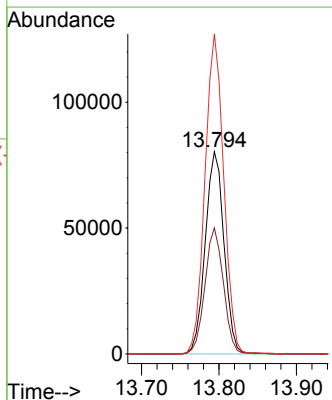
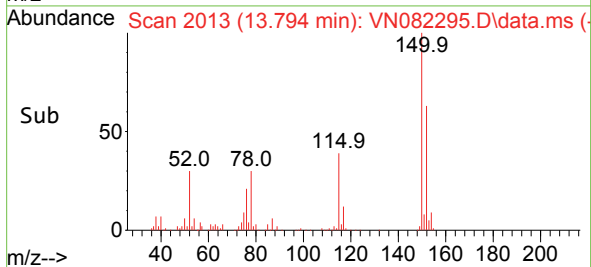
Tgt Ion:173 Resp: 1120
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

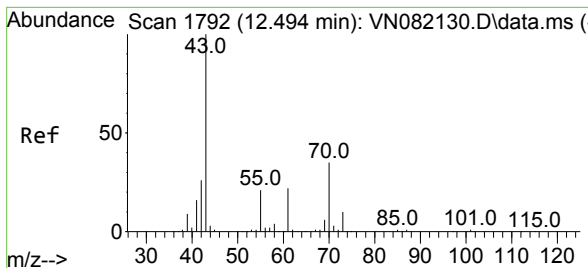


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14



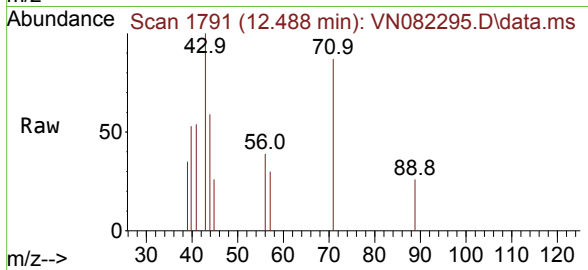
Tgt Ion:152 Resp: 135227
Ion Ratio Lower Upper
152 100
115 61.5 30.4 91.3
150 158.0 0.0 353.2



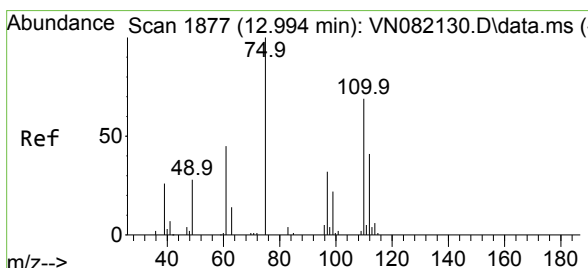
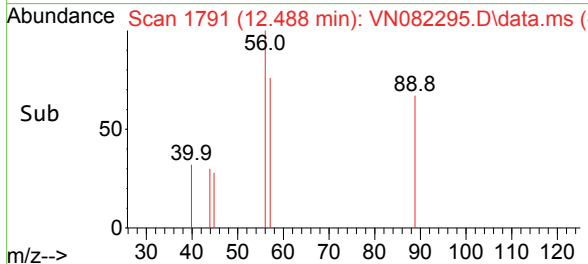
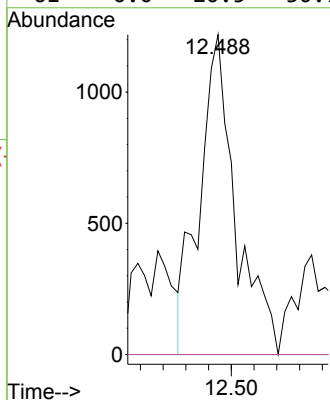


#74
N-amy1 acetate
Concen: 0.457 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :

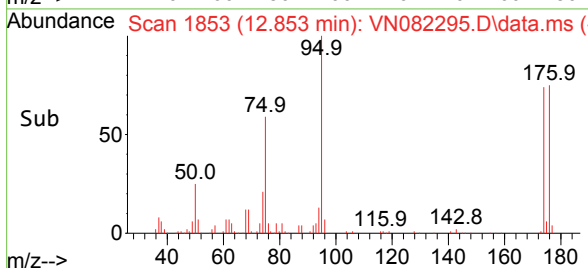
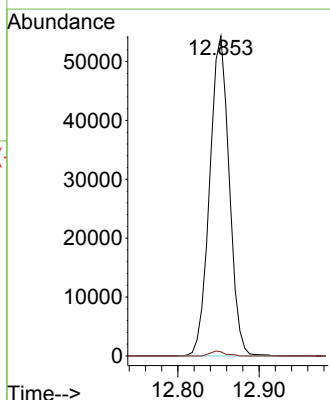
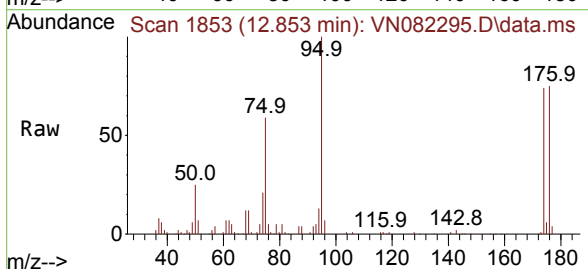


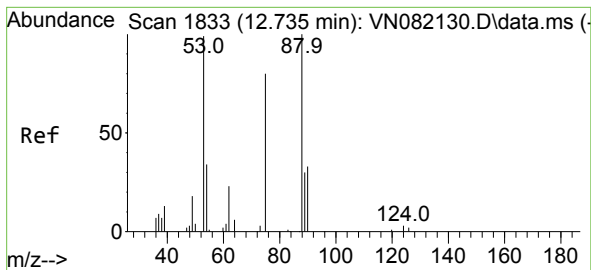
Tgt Ion: 43	Resp: 2698
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 0.0	21.3 31.9#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 31.944 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082295.D
Acq: 22 May 2024 16:14

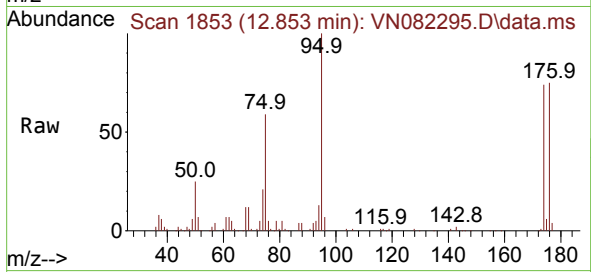
Tgt Ion: 75	Resp: 90918
Ion Ratio	Lower Upper
75 100	
77 1.2	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.715 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082295.D
 Acq: 22 May 2024 16:14

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 90918
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

