

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081138.D
 Acq On : 22 Feb 2024 16:23
 Operator : JC\MD
 Sample : P1539-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 04:27:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

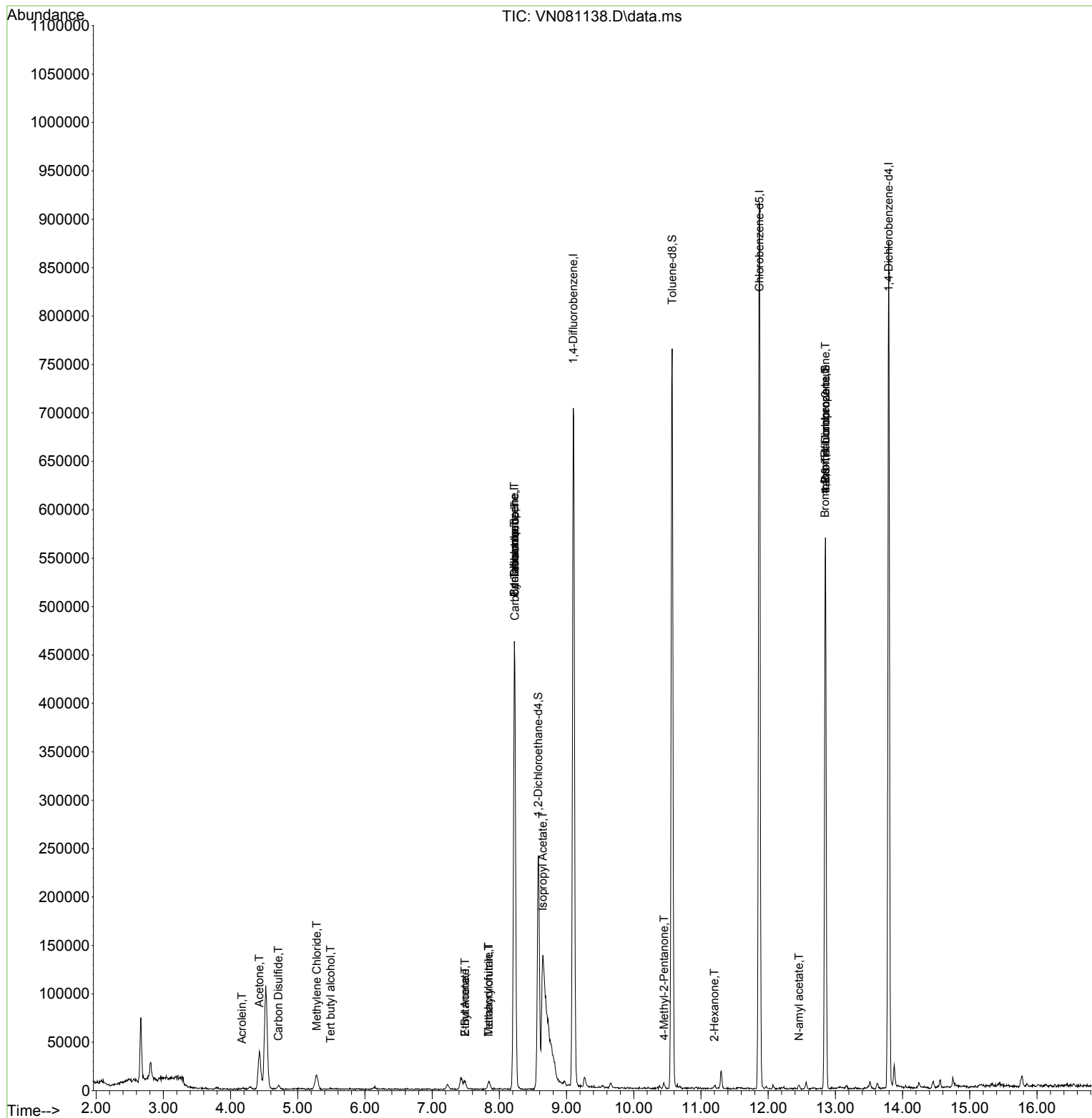
Internal Standards						
1) Pentafluorobenzene	8.224	168	319247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	624043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	529867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	225182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	195522	49.966	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.940%		
35) Dibromofluoromethane	8.171	113	387	0.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.220%#		
50) Toluene-d8	10.571	98	539799	43.069	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	86.140%		
62) 4-Bromofluorobenzene	12.853	95	202460	42.991	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.980%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1031	Below Cal		94
6) Chloroethane	3.130	64	202	Below Cal	#	42
11) Tert butyl alcohol	5.489	59	255	0.354	ug/l #	72
13) Acrolein	4.171	56	547	1.418	ug/l #	68
16) Acetone	4.430	43	71530	46.457	ug/l	97
17) Carbon Disulfide	4.712	76	6410	0.637	ug/l	100
20) Methylene Chloride	5.283	84	11323	1.949	ug/l #	79
25) 2-Butanone	7.488	43	13856	5.570	ug/l #	88
29) Tetrahydrofuran	7.841	42	7105	4.279	ug/l #	88
31) Cyclohexane	8.224	56	8571	1.269	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	28310	4.683	ug/l #	50
37) Ethyl Acetate	7.488	43	13856	2.540	ug/l #	70
38) Carbon Tetrachloride	8.230	117	36497	5.967	ug/l #	16
41) Methacrylonitrile	7.841	41	3983	1.283	ug/l #	50
43) Isopropyl Acetate	8.647	43	314775	32.987	ug/l #	58
49) 1,4-Dioxane	9.688	88	57	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.453	43	4388	0.799	ug/l	95
59) 2-Hexanone	11.200	43	3500	0.804	ug/l #	54
71) Bromoform	12.847	173	748	0.286	ug/l #	1
74) N-amyl acetate	12.459	43	3735	0.449	ug/l #	49
76) 1,2,3-Trichloropropane	12.853	75	103479	20.225	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	103479	52.059	ug/l #	14

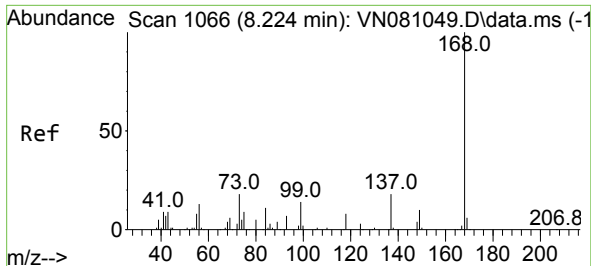
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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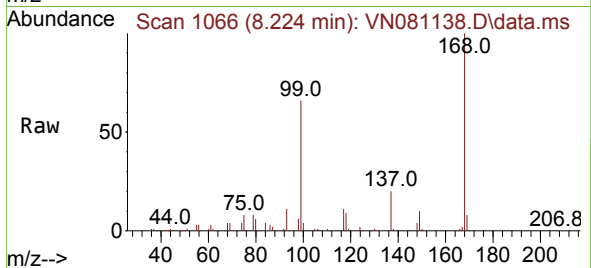
Quant Time: Feb 23 04:27:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration



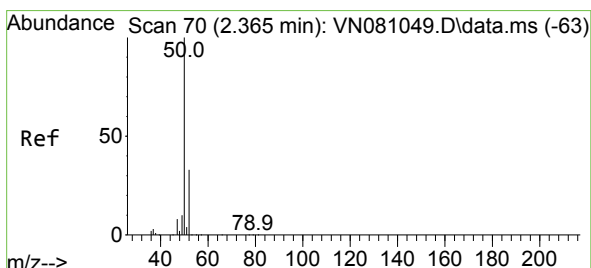
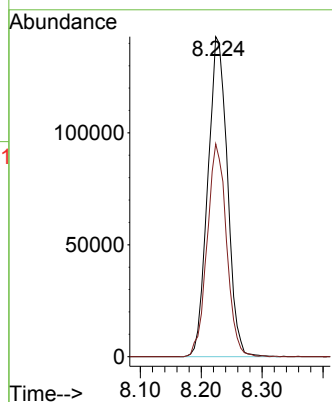
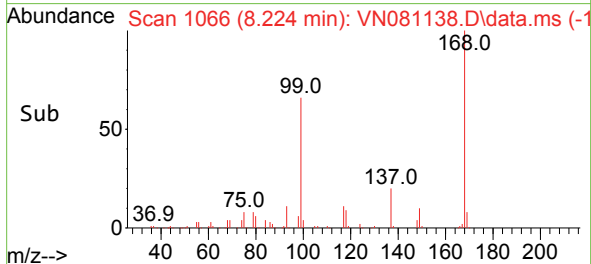


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

Instrument :
MSVOA_N
ClientSampleId :

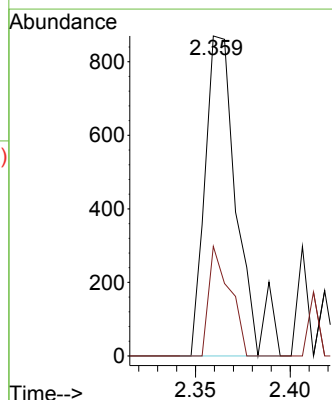
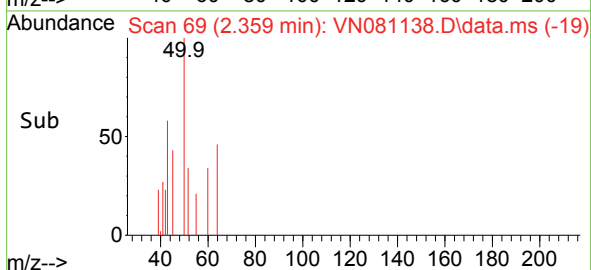
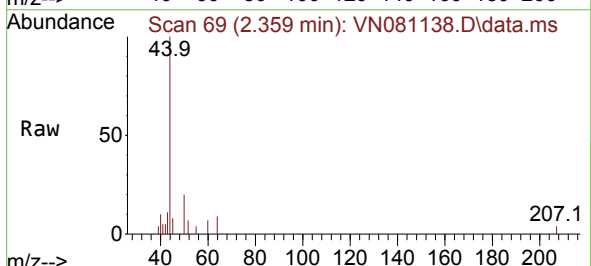


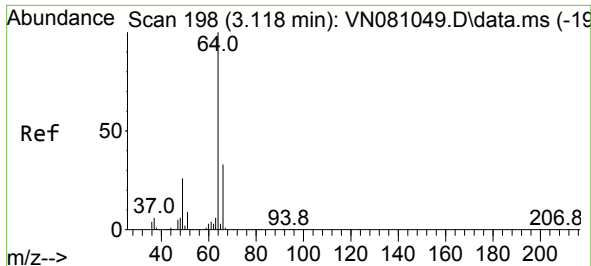
Tgt Ion:168 Resp: 319247
Ion Ratio Lower Upper
168 100
99 66.5 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

Tgt Ion: 50 Resp: 1031
Ion Ratio Lower Upper
50 100
52 34.3 25.0 37.4

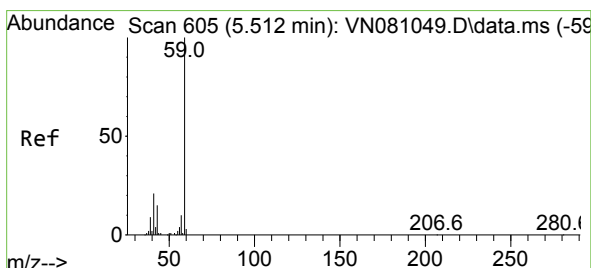
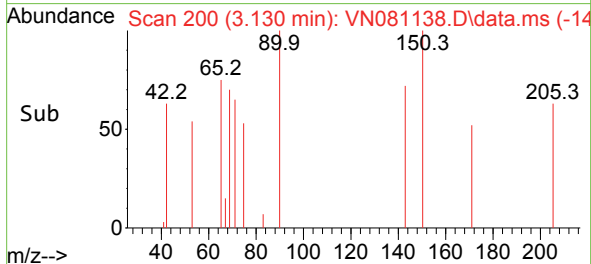
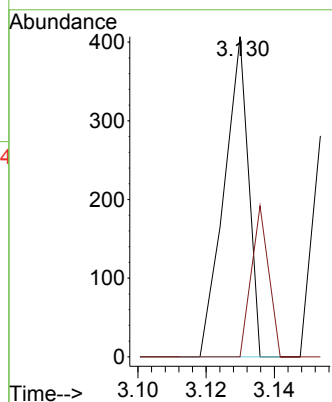
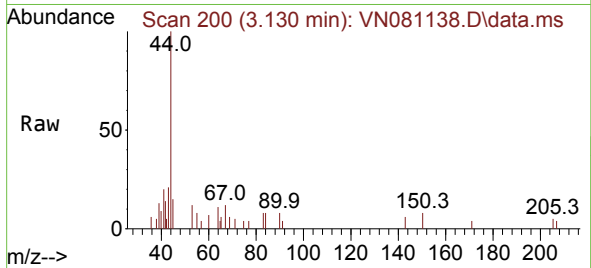




#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

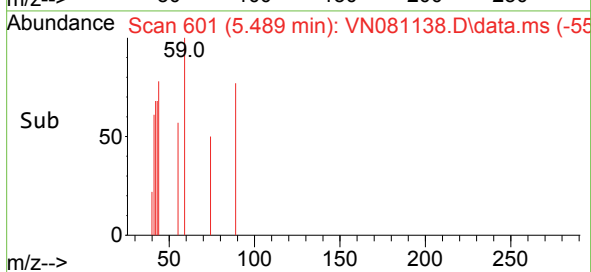
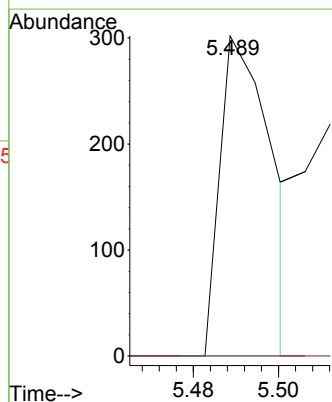
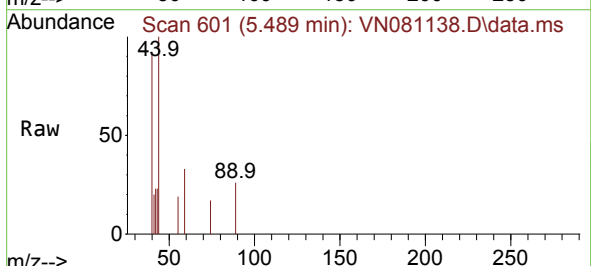
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 64 Resp: 202
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.354 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.024 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

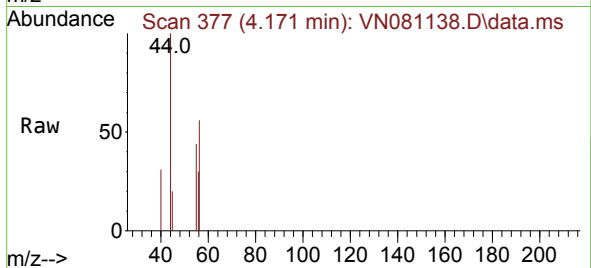
Tgt Ion: 59 Resp: 255
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



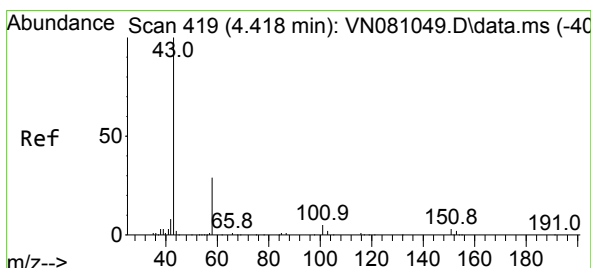
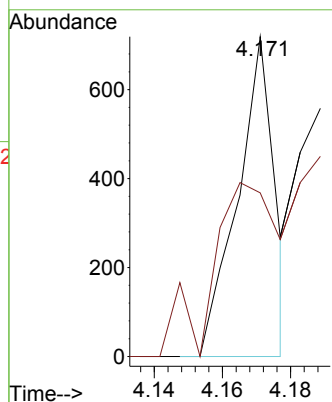
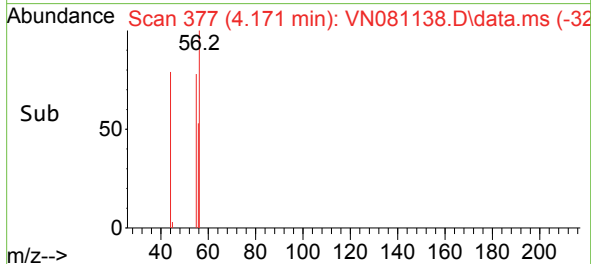


#13
Acrolein
Concen: 1.418 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

Instrument :
MSVOA_N
ClientSampleId :

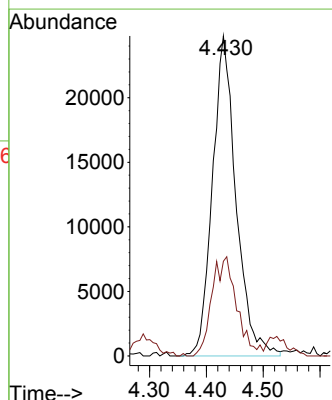
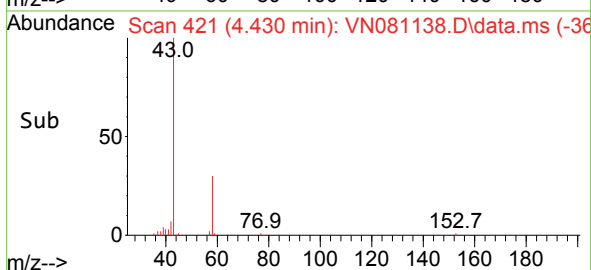
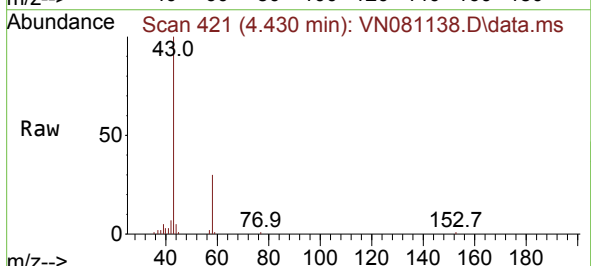


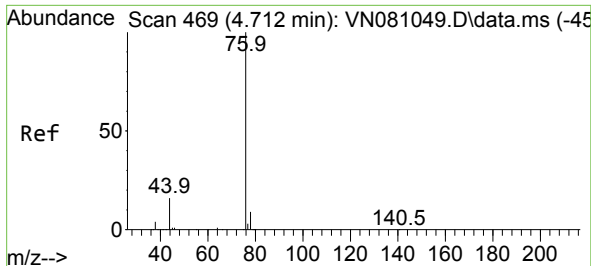
Tgt Ion: 56 Resp: 547
Ion Ratio Lower Upper
56 100
55 95.4 55.3 82.9#



#16
Acetone
Concen: 46.457 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

Tgt Ion: 43 Resp: 71530
Ion Ratio Lower Upper
43 100
58 29.6 24.8 37.2





#17

Carbon Disulfide

Concen: 0.637 ug/l

RT: 4.712 min Scan# 4

Delta R.T. -0.000 min

Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

Instrument :

MSVOA_N

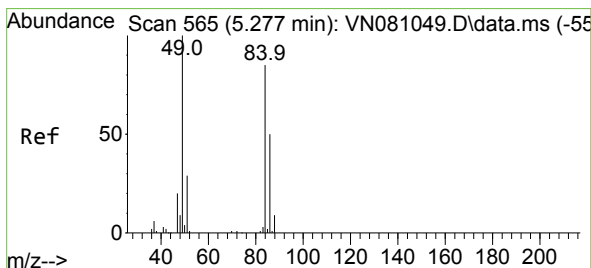
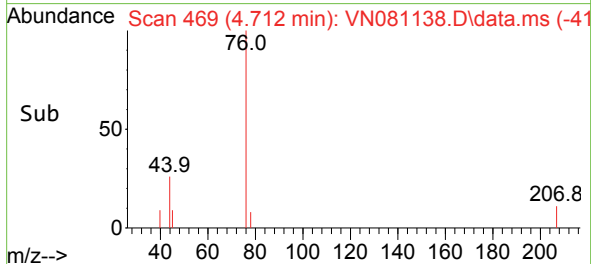
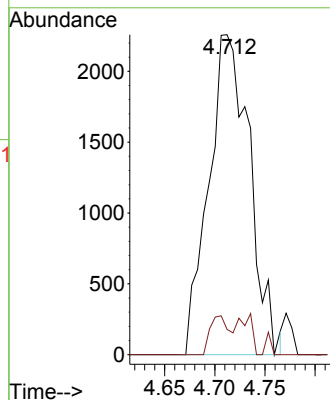
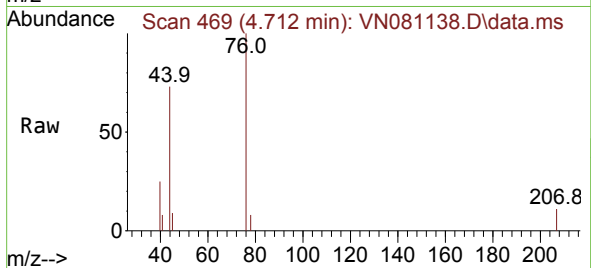
ClientSampleId :

Tgt Ion: 76 Resp: 6410

Ion Ratio Lower Upper

76 100

78 7.9 6.3 9.5



#20

Methylene Chloride

Concen: 1.949 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

Tgt Ion: 84 Resp: 11323

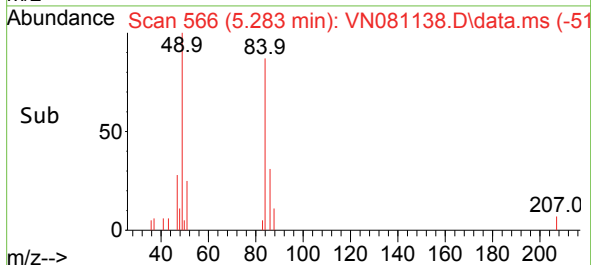
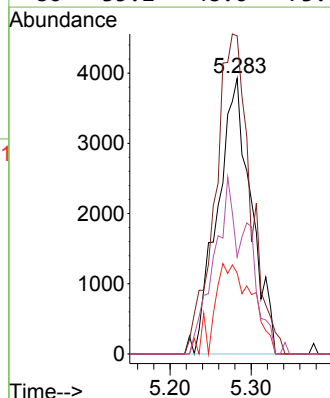
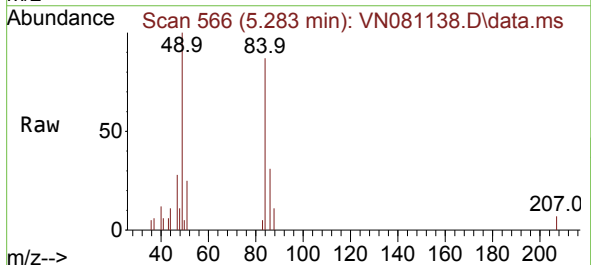
Ion Ratio Lower Upper

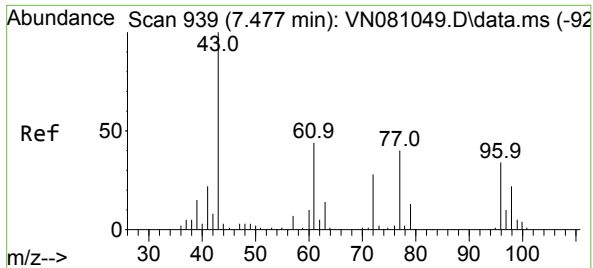
84 100

49 115.4 108.1 162.1

51 29.4 32.9 49.3#

86 35.2 48.6 73.0#

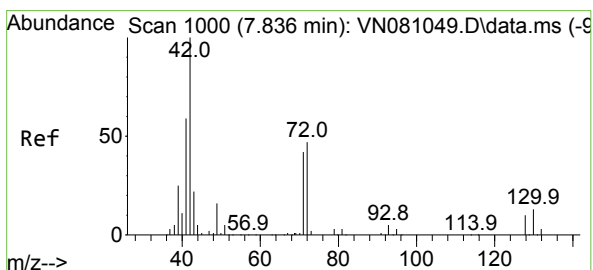
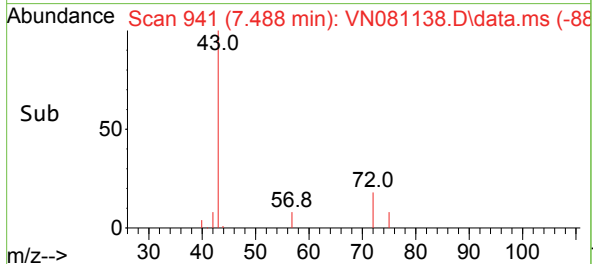
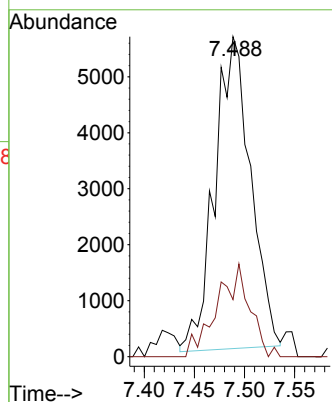
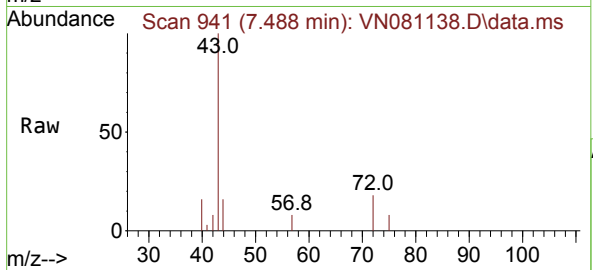




#25
2-Butanone
Concen: 5.570 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

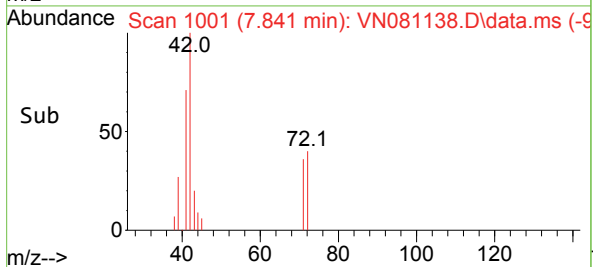
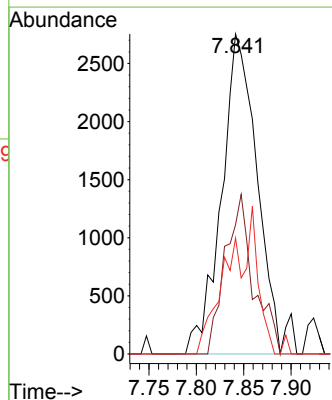
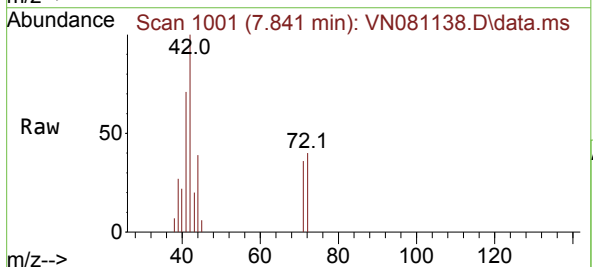
Instrument :
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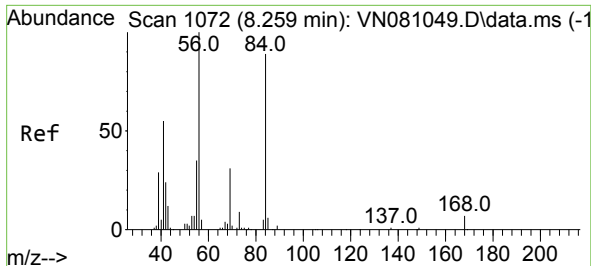
Tgt Ion: 43 Resp: 13856
Ion Ratio Lower Upper
43 100
72 18.5 19.5 29.3#



#29
Tetrahydrofuran
Concen: 4.279 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

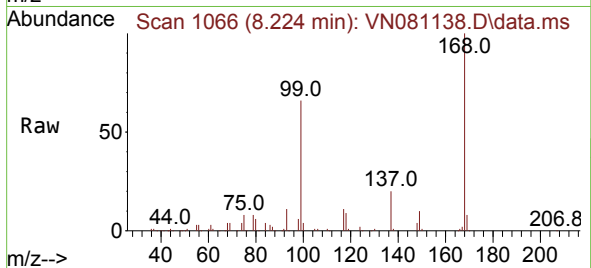
Tgt Ion: 42 Resp: 7105
Ion Ratio Lower Upper
42 100
72 40.2 31.1 46.7
71 22.5 28.3 42.5#



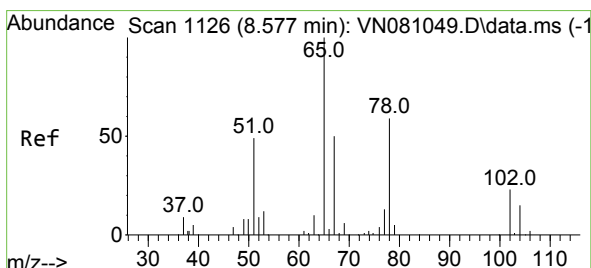
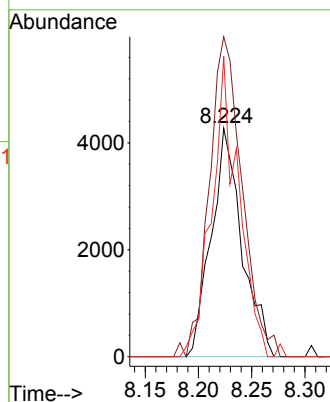
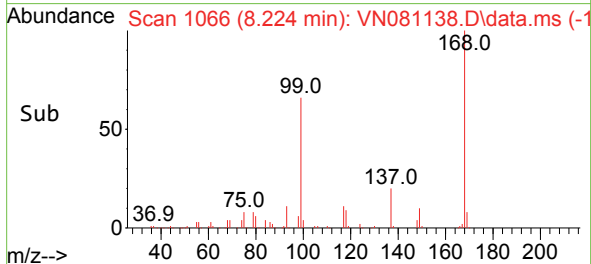


#31
Cyclohexane
Concen: 1.269 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

Instrument :
MSVOA_N
ClientSampleId :

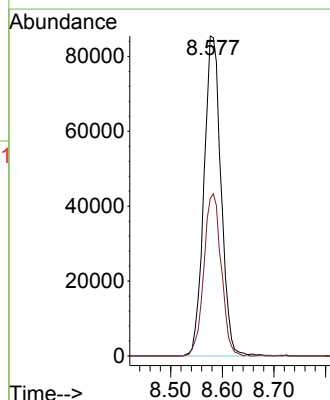
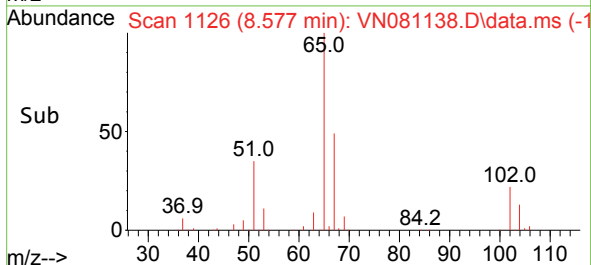
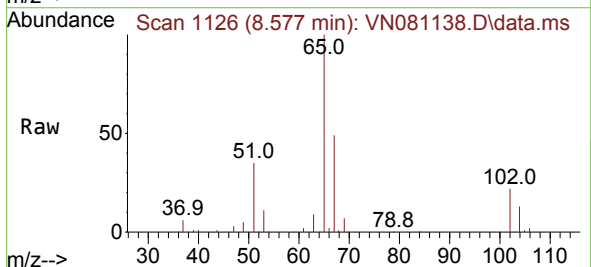


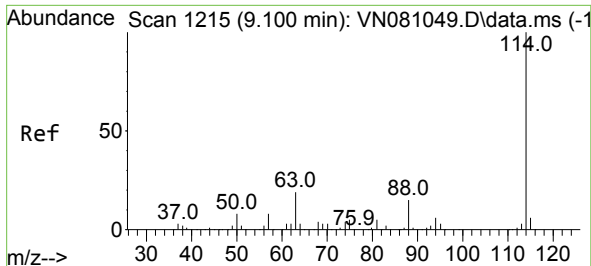
Tgt Ion: 56 Resp: 8571
Ion Ratio Lower Upper
56 100
69 140.0 20.1 30.1#
84 131.5 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 49.966 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

Tgt Ion: 65 Resp: 195522
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

Instrument :

MSVOA_N

ClientSampleId :

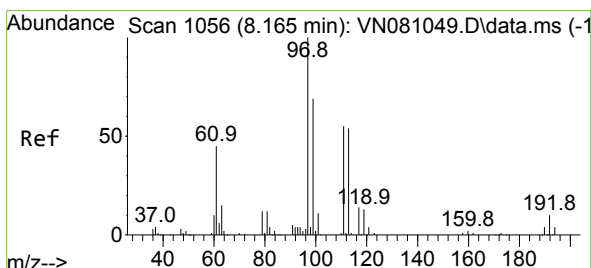
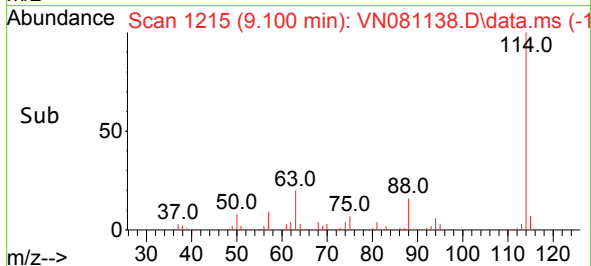
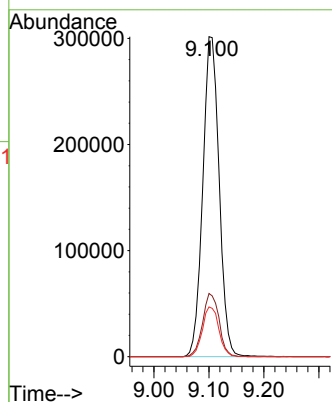
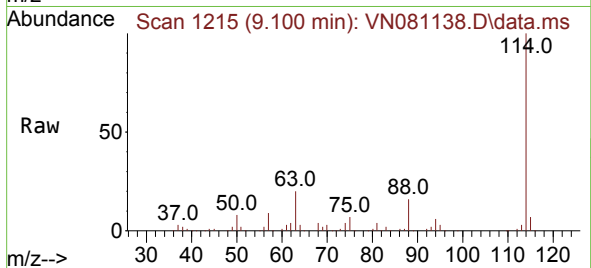
Tgt Ion:114 Resp: 624043

Ion Ratio Lower Upper

114 100

63 19.8 0.0 48.0

88 15.5 0.0 34.8



#35

Dibromofluoromethane

Concen: 0.110 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

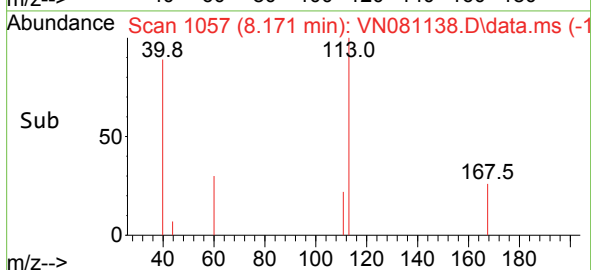
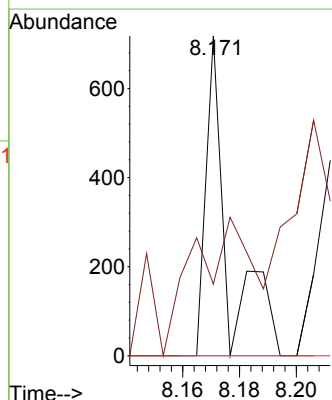
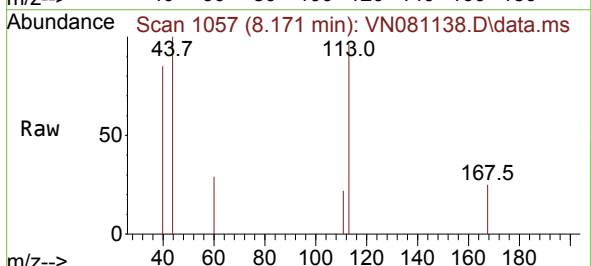
Tgt Ion:113 Resp: 387

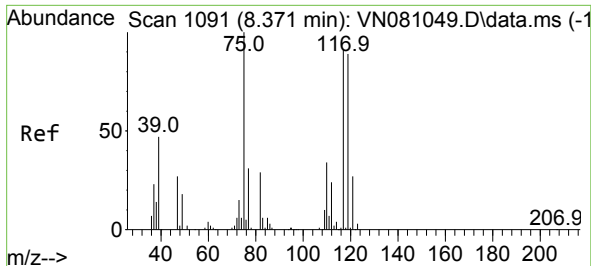
Ion Ratio Lower Upper

113 100

111 118.1 82.2 123.4

192 0.0 12.5 18.7#





#36

1,1-Dichloropropene

Concen: 4.683 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

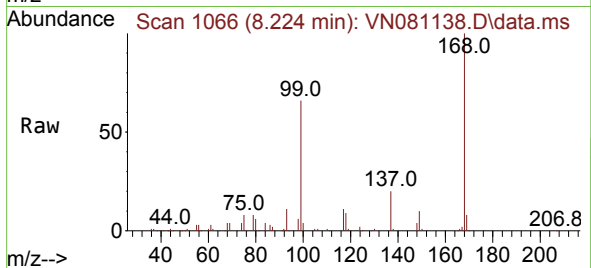
Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

Instrument :

MSVOA_N

ClientSampleId :



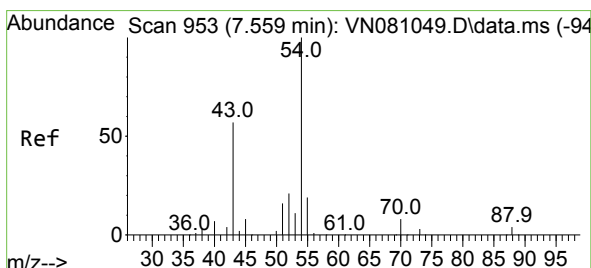
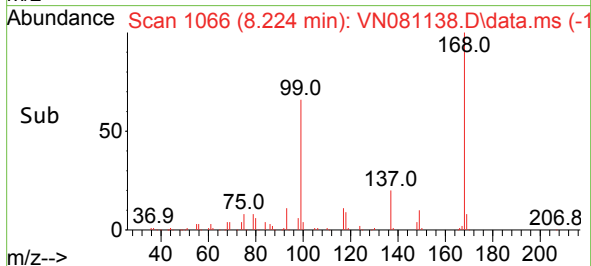
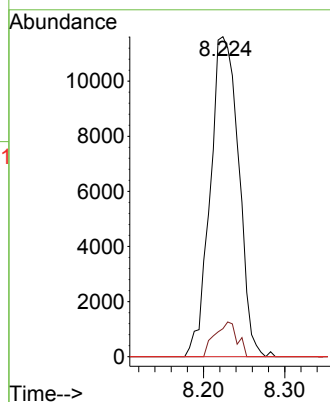
Tgt Ion: 75 Resp: 28310

Ion Ratio Lower Upper

75 100

110 8.5 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 2.540 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

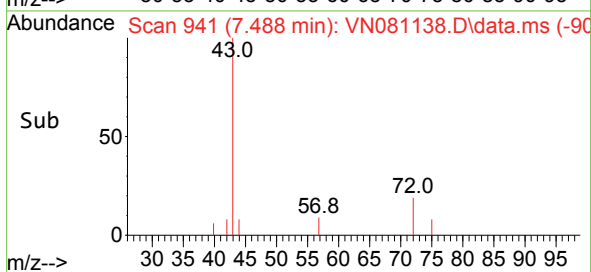
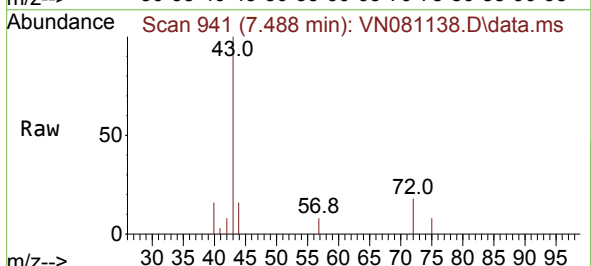
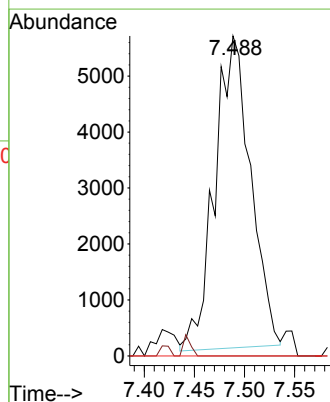
Tgt Ion: 43 Resp: 13856

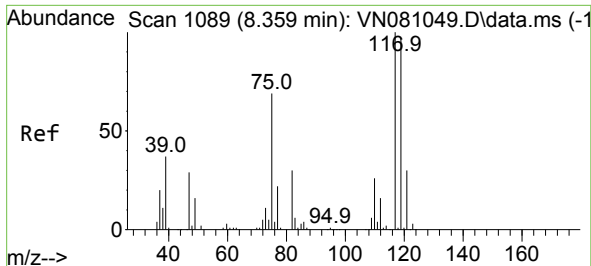
Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

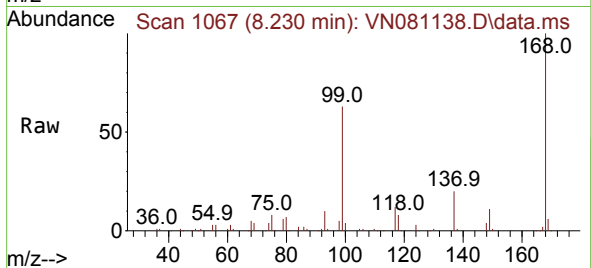
70 0.0 8.0 12.0#



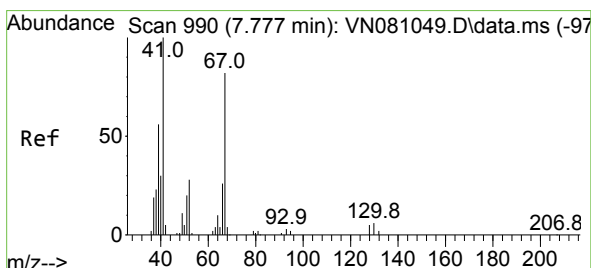
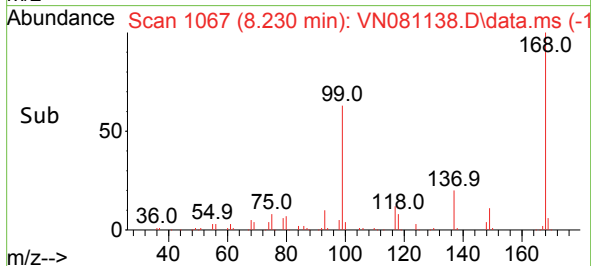
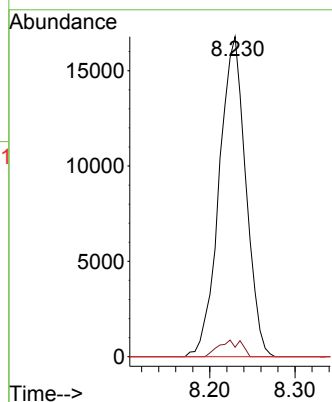


#38
Carbon Tetrachloride
Concen: 5.967 ug/l
RT: 8.230 min Scan# 1001
Delta R.T. -0.129 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

Instrument :
MSVOA_N
ClientSampleId :

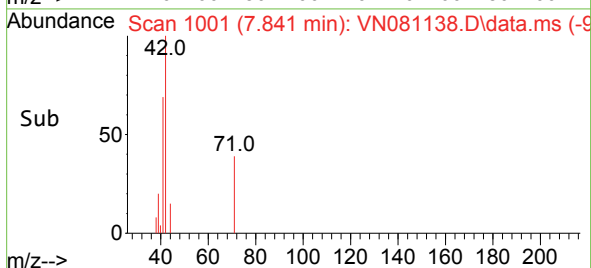
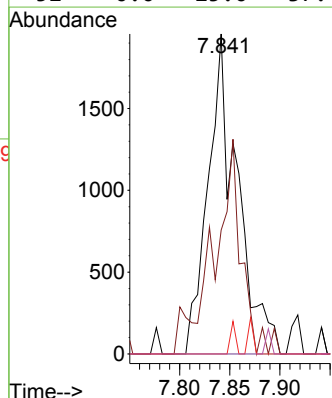
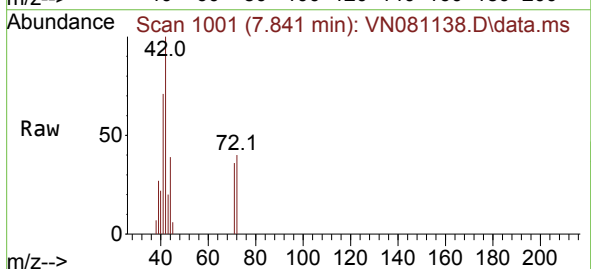


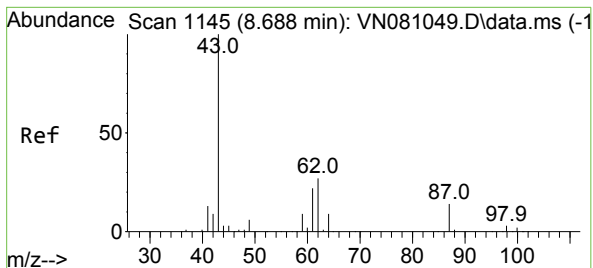
Tgt Ion:117 Resp: 36497
Ion Ratio Lower Upper
117 100
119 3.0 73.4 110.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.283 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

Tgt Ion: 41 Resp: 3983
Ion Ratio Lower Upper
41 100
39 55.8 48.4 72.6
67 1.8 56.8 85.2#
52 0.0 25.0 37.4#





#43

Isopropyl Acetate

Concen: 32.987 ug/l

RT: 8.647 min Scan# 1138

Delta R.T. -0.041 min

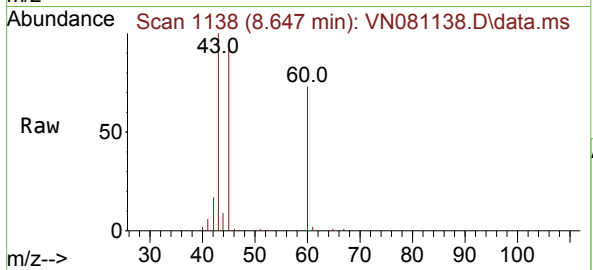
Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

Instrument :

MSVOA_N

ClientSampleId :



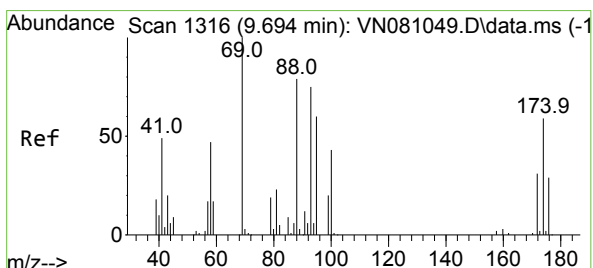
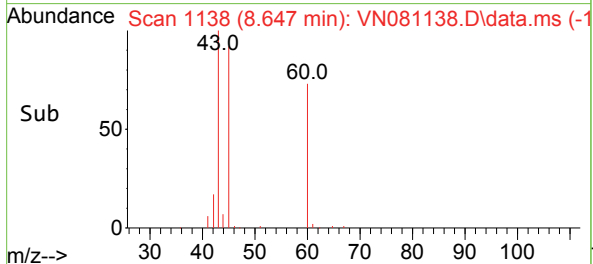
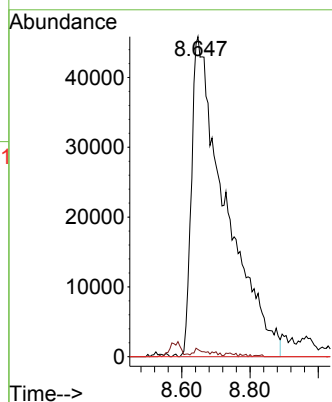
Tgt Ion: 43 Resp: 314775

Ion Ratio Lower Upper

43 100

61 0.8 19.9 29.9#

87 0.0 9.0 13.6#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

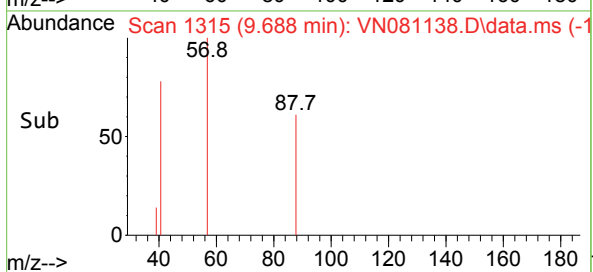
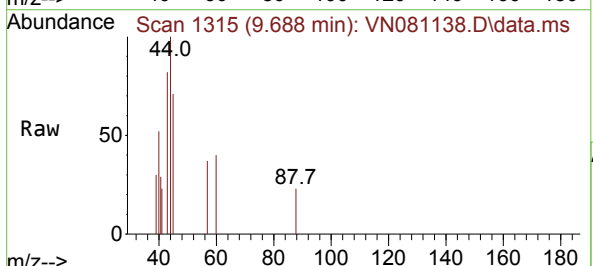
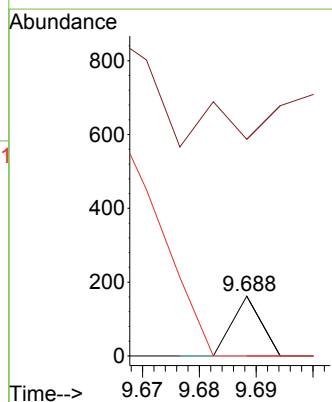
Tgt Ion: 88 Resp: 57

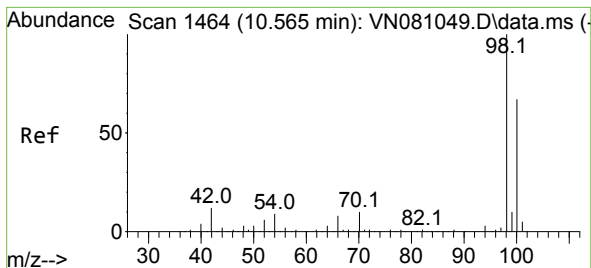
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#

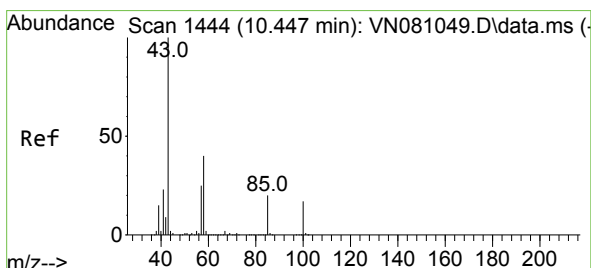
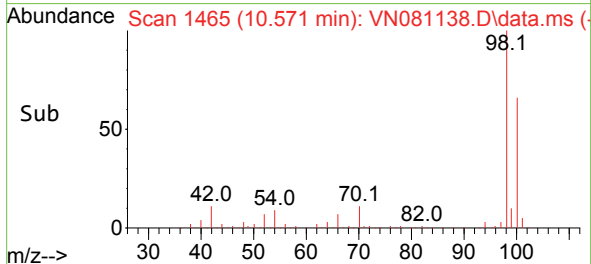
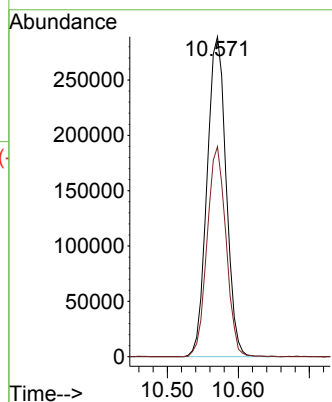
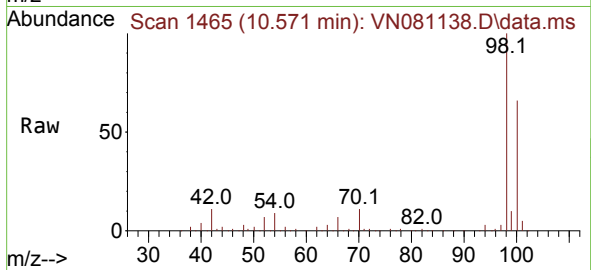




#50
Toluene-d8
Concen: 43.069 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

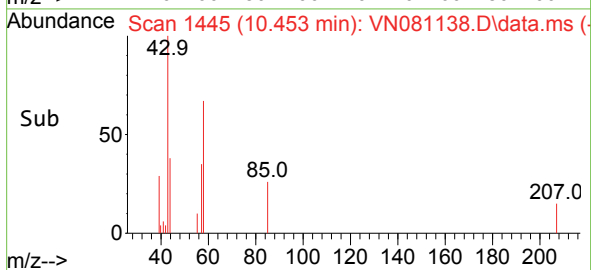
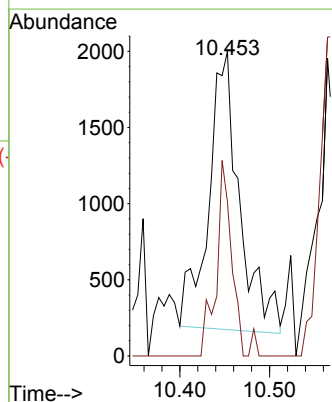
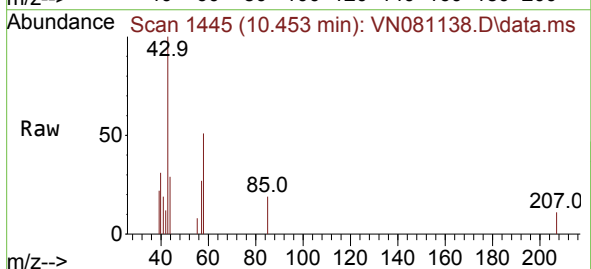
Instrument :
MSVOA_N
ClientSampleId :

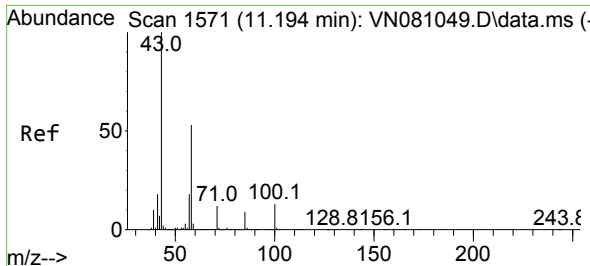
Tgt Ion: 98 Resp: 539799
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.799 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

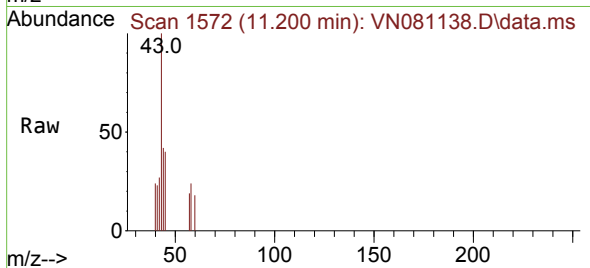
Tgt Ion: 43 Resp: 4388
Ion Ratio Lower Upper
43 100
58 34.0 29.4 44.0



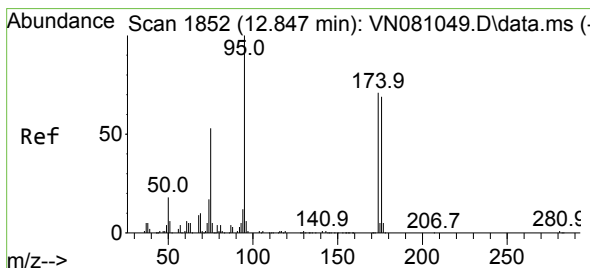
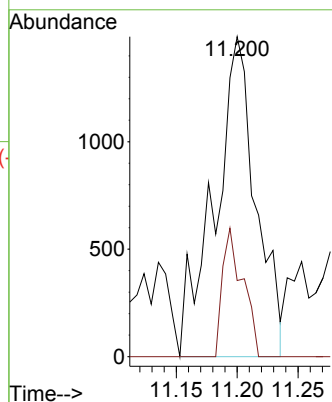


#59
2-Hexanone
Concen: 0.804 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

Instrument :
MSVOA_N
ClientSampleId :

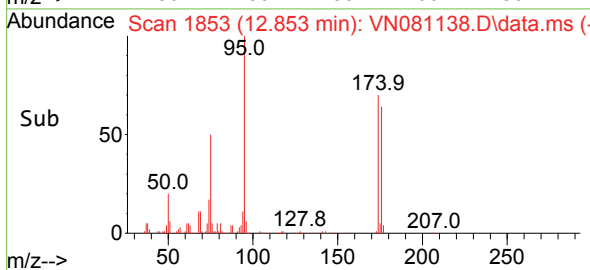
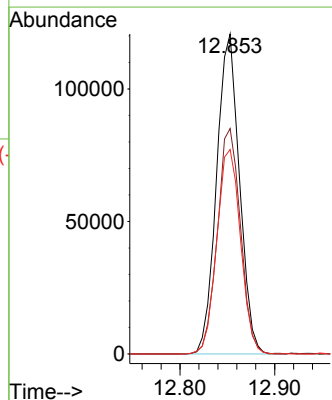
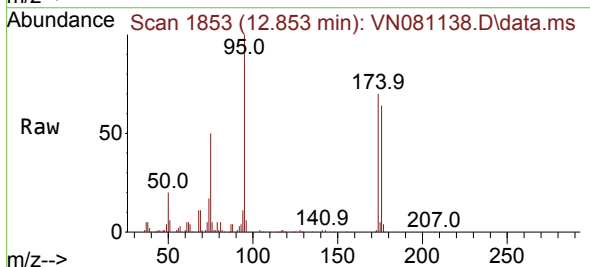


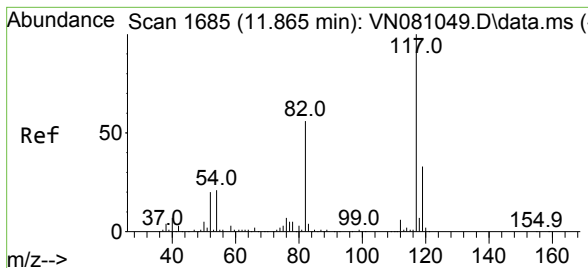
Tgt Ion: 43 Resp: 3500
Ion Ratio Lower Upper
43 100
58 19.8 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 42.991 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081138.D
Acq: 22 Feb 2024 16:23

Tgt Ion: 95 Resp: 202460
Ion Ratio Lower Upper
95 100
174 71.3 0.0 120.4
176 66.5 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

Instrument :

MSVOA_N

ClientSampleId :

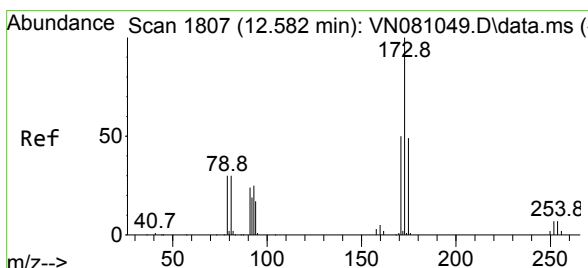
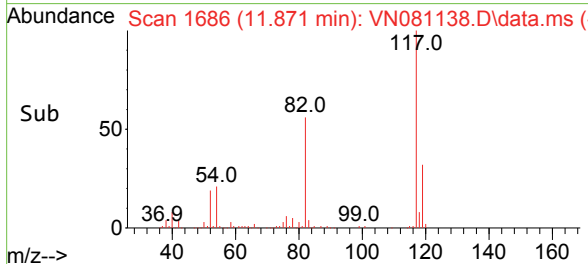
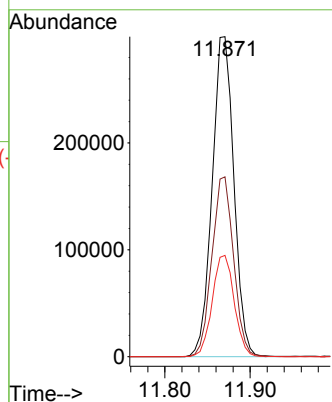
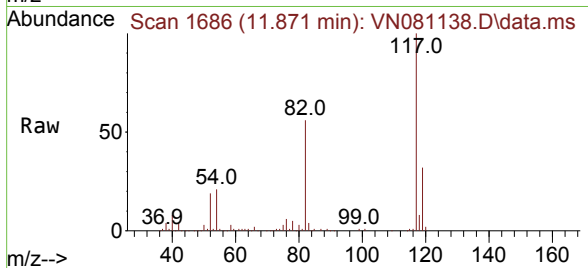
Tgt Ion:117 Resp: 529867

Ion Ratio Lower Upper

117 100

82 56.2 52.7 79.1

119 31.6 25.3 37.9



#71

Bromoform

Concen: 0.286 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

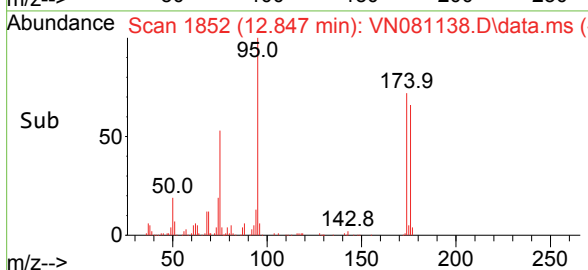
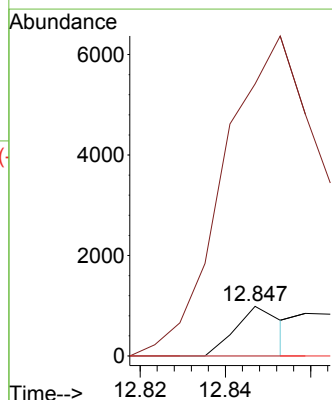
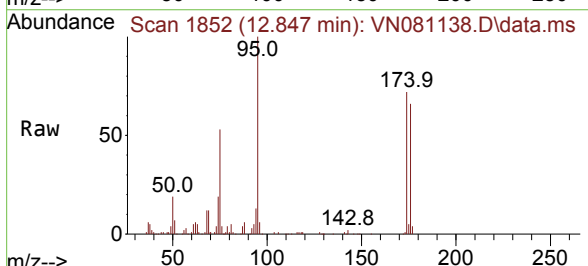
Tgt Ion:173 Resp: 748

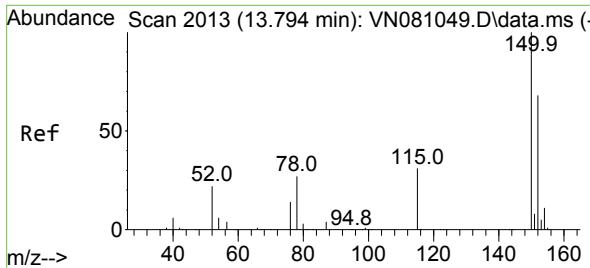
Ion Ratio Lower Upper

173 100

175 1129.4 23.1 69.2#

254 0.0 0.0 0.0

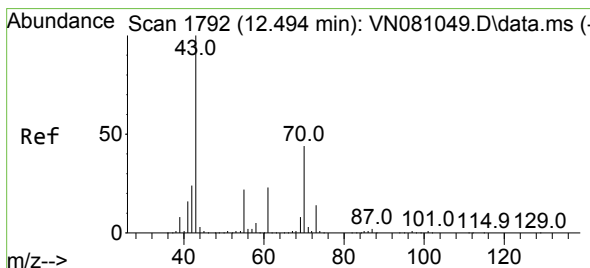
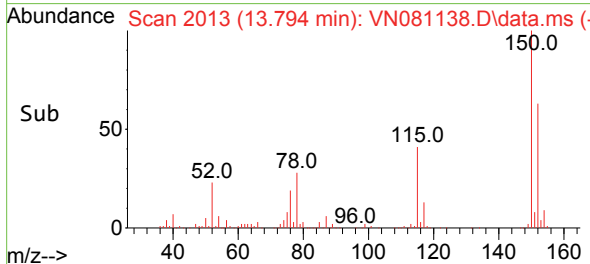
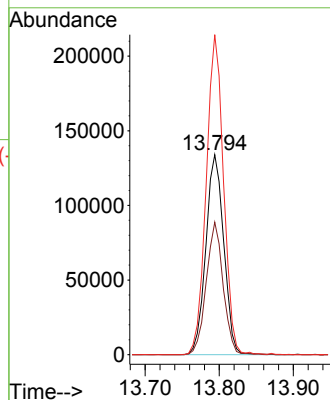
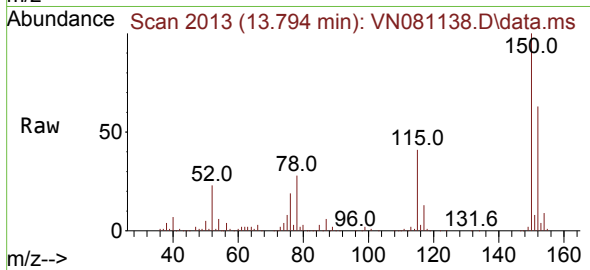




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081138.D
 Acq: 22 Feb 2024 16:23

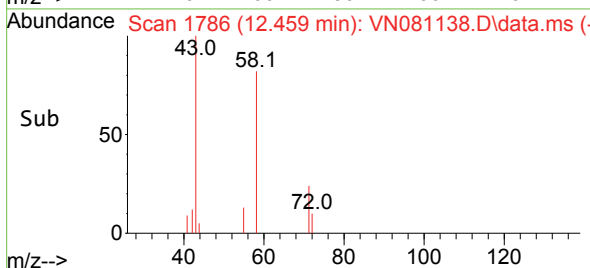
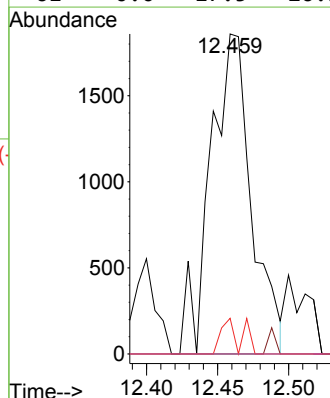
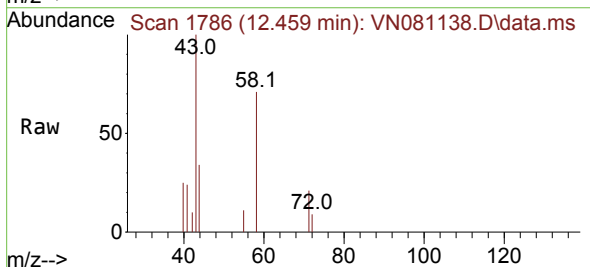
Instrument :
 MSVOA_N
 ClientSampleId :

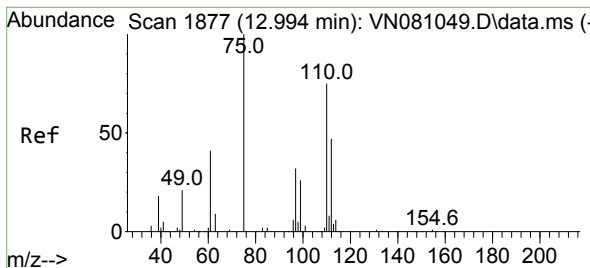
Tgt Ion:152 Resp: 225182
 Ion Ratio Lower Upper
 152 100
 115 62.6 32.3 96.8
 150 154.5 0.0 339.8



#74
 N-ethyl acetate
 Concen: 0.449 ug/l
 RT: 12.459 min Scan# 1786
 Delta R.T. -0.035 min
 Lab File: VN081138.D
 Acq: 22 Feb 2024 16:23

Tgt Ion: 43 Resp: 3735
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 5.3 17.0 25.4#
 61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 20.225 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

Instrument :

MSVOA_N

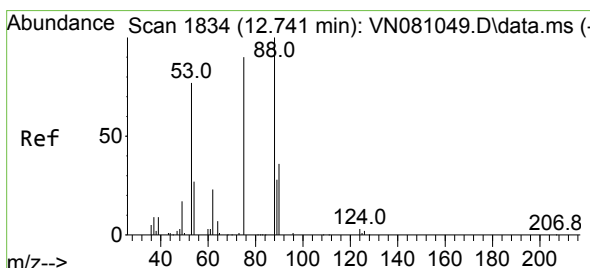
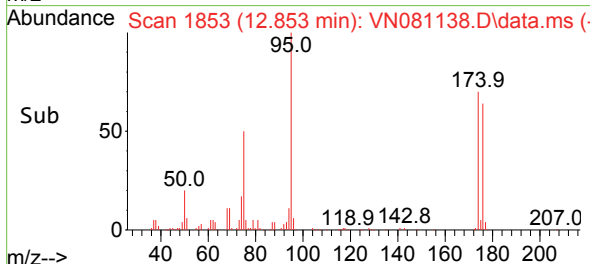
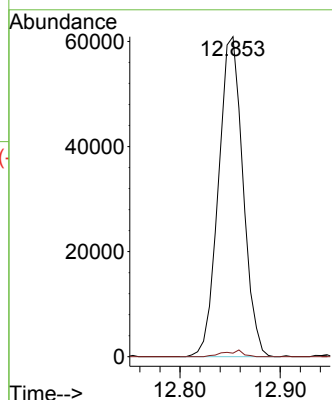
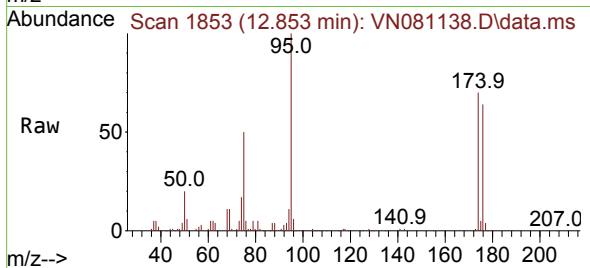
ClientSampleId :

Tgt Ion: 75 Resp: 103479

Ion Ratio Lower Upper

75 100

77 1.6 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.059 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081138.D

Acq: 22 Feb 2024 16:23

Tgt Ion: 75 Resp: 103479

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.2#

89 0.0 33.4 50.0#

