

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080119.D
 Acq On : 15 Nov 2023 18:40
 Operator : JC\MD
 Sample : 05418-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 21:57:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

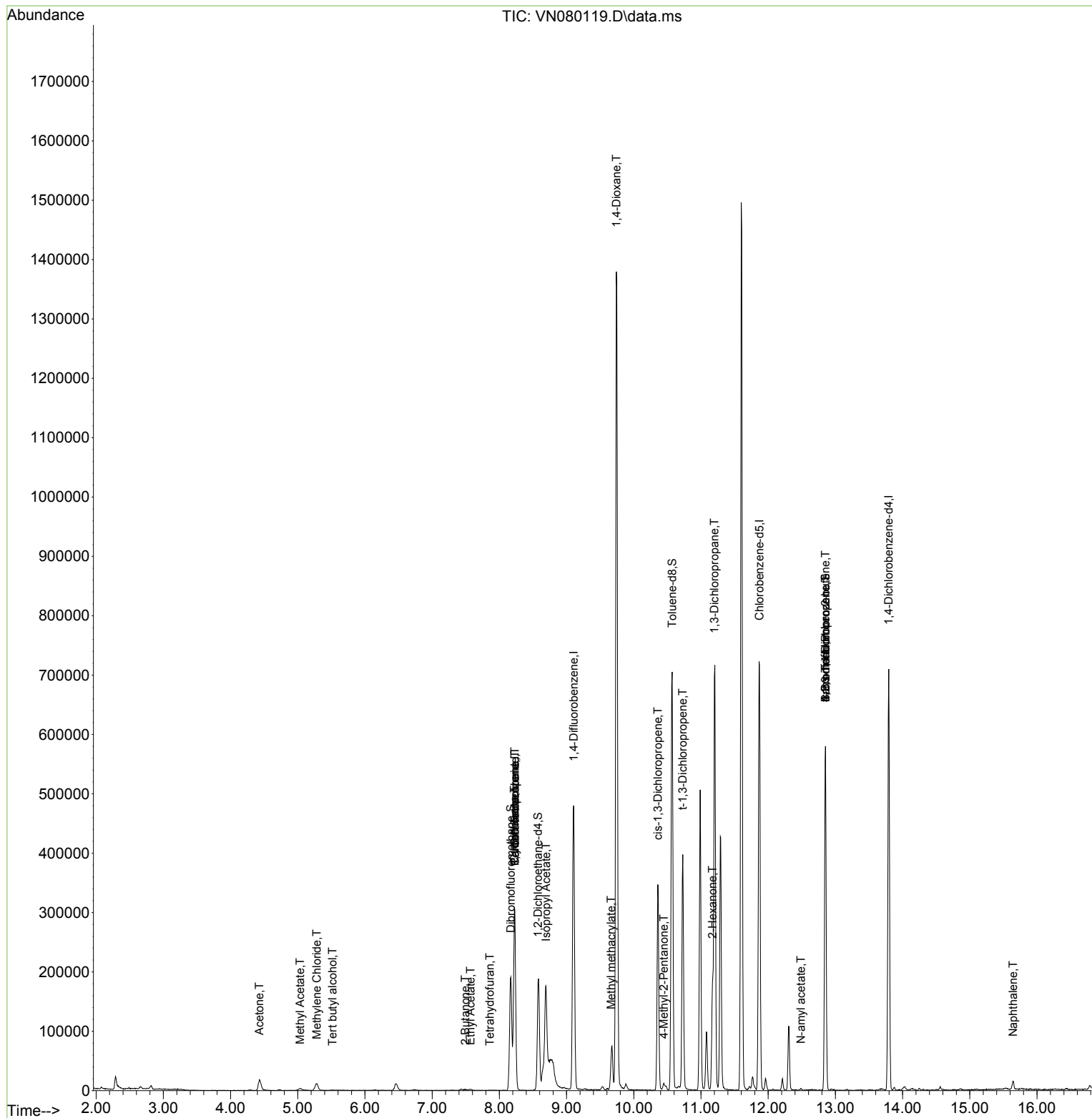
Internal Standards						
1) Pentafluorobenzene	8.230	168	207396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	401397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	415702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	171188	54.178	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.360%	
35) Dibromofluoromethane	8.171	113	134067	47.191	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.380%	
50) Toluene-d8	10.571	98	498589	47.673	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.340%	
62) 4-Bromofluorobenzene	12.853	95	197144	56.837	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	466	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	524	1.299	ug/l #	72
16) Acetone	4.430	43	34370	30.967	ug/l	99
18) Methyl Acetate	5.036	43	6844	1.289	ug/l	95
20) Methylene Chloride	5.283	84	9606	3.430	ug/l #	93
25) 2-Butanone	7.494	43	2888	1.777	ug/l	93
29) Tetrahydrofuran	7.859	42	351	0.332	ug/l #	20
31) Cyclohexane	8.224	56	4944	1.184	ug/l #	33
36) 1,1-Dichloropropene	8.230	75	17843	4.399	ug/l #	49
37) Ethyl Acetate	7.571	43	3585	0.964	ug/l #	74
38) Carbon Tetrachloride	8.230	117	24184	5.916	ug/l #	15
43) Isopropyl Acetate	8.694	43	246369	37.763	ug/l #	73
48) Methyl methacrylate	9.665	41	4358	1.525	ug/l #	30
49) 1,4-Dioxane	9.741	88	170	3.367	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12844	3.497	ug/l #	68
53) t-1,3-Dichloropropene	10.729	75	1106	0.250	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	64100	13.268	ug/l #	65
57) 1,3-Dichloropropane	11.200	76	8039	1.574	ug/l #	42
59) 2-Hexanone	11.171	43	132580	47.184	ug/l #	19
71) Bromoform	12.853	173	934	0.405	ug/l #	1
74) N-amyl acetate	12.488	43	1906	0.309	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	112219	25.682	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112219	69.876	ug/l #	15
95) Naphthalene	15.647	128	12461	1.272	ug/l #	93

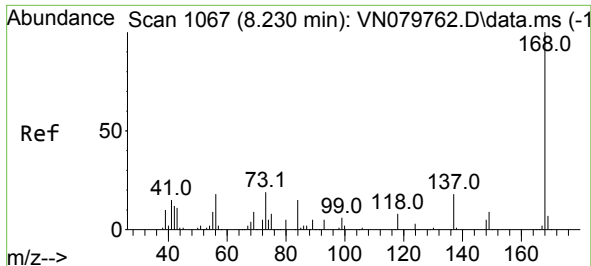
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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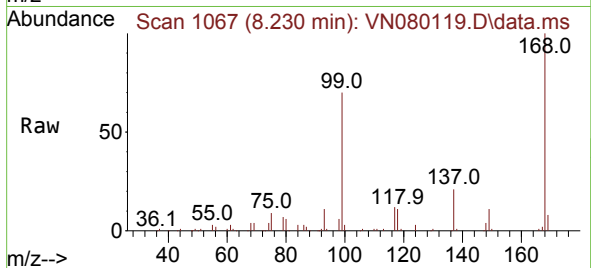
Quant Time: Nov 15 21:57:37 2023
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QLast Update : Thu Nov 02 05:49:08 2023
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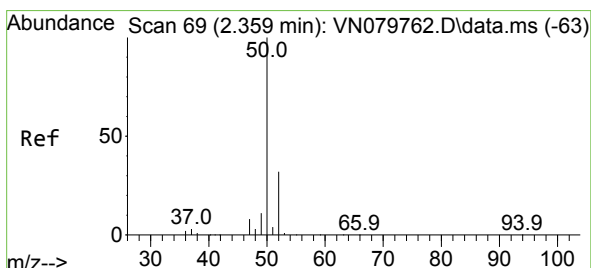
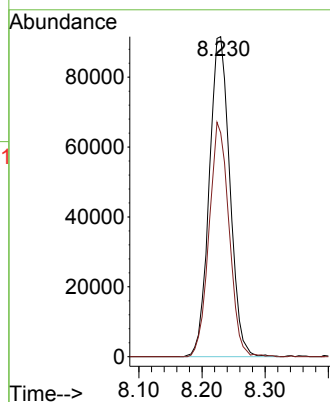
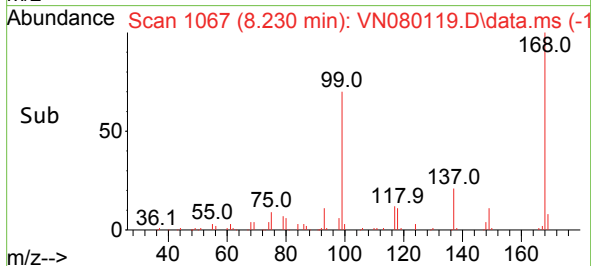


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

Instrument :
MSVOA_N
ClientSampleId :

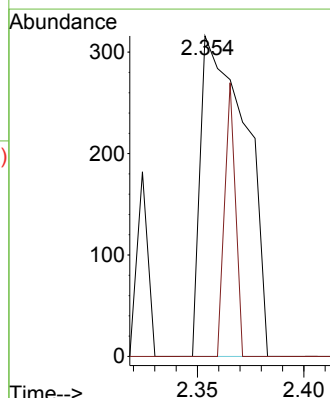
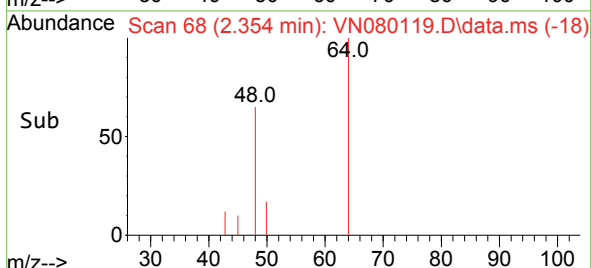
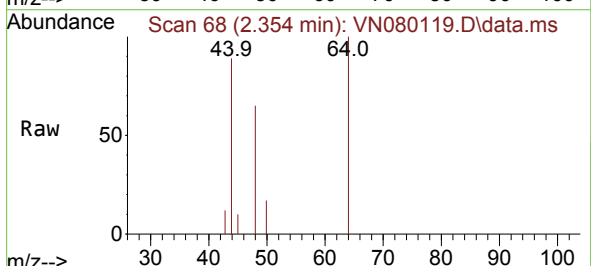


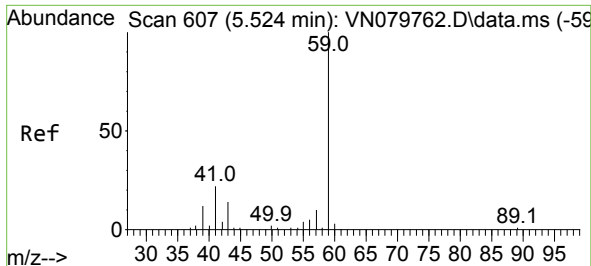
Tgt Ion:168 Resp: 207396
Ion Ratio Lower Upper
168 100
99 70.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

Tgt Ion: 50 Resp: 466
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#11

Tert butyl alcohol

Concen: 1.299 ug/l

RT: 5.518 min Scan# 607

Delta R.T. 0.000 min

Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

Instrument :

MSVOA_N

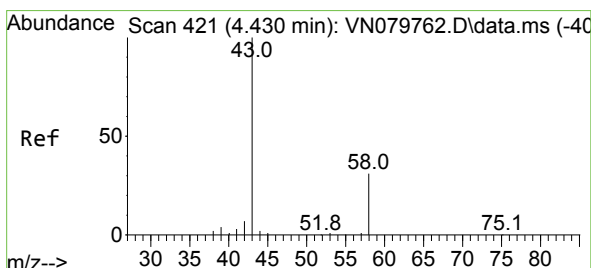
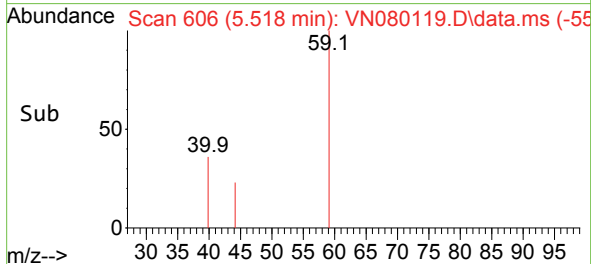
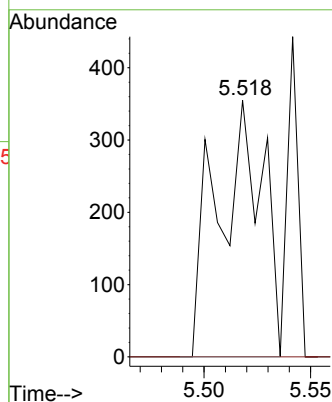
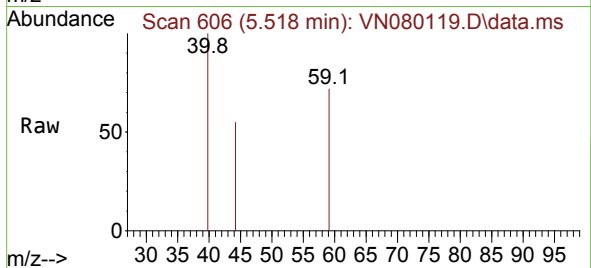
ClientSampleId :

Tgt Ion: 59 Resp: 524

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 30.967 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.000 min

Lab File: VN080119.D

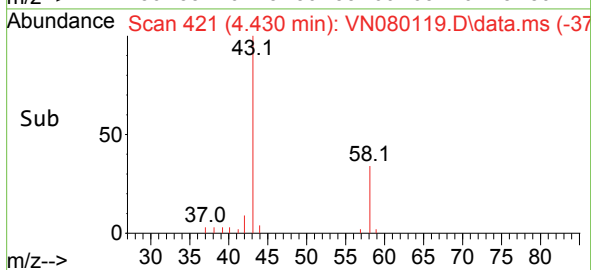
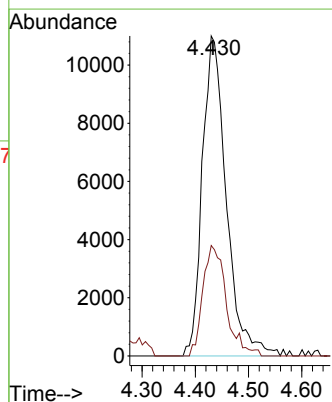
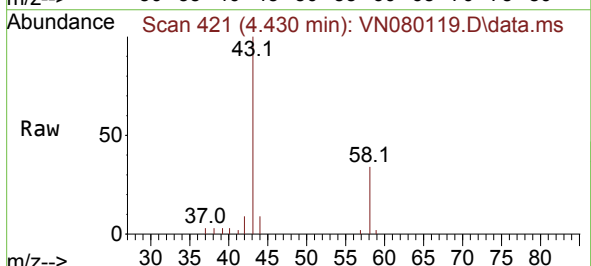
Acq: 15 Nov 2023 18:40

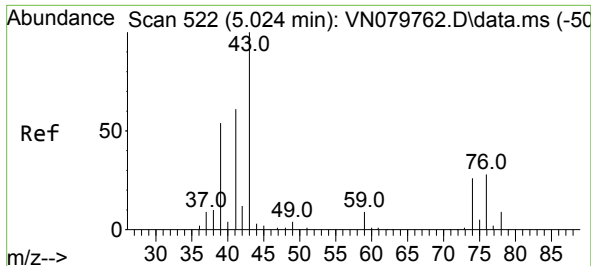
Tgt Ion: 43 Resp: 34370

Ion Ratio Lower Upper

43 100

58 34.5 28.0 42.0

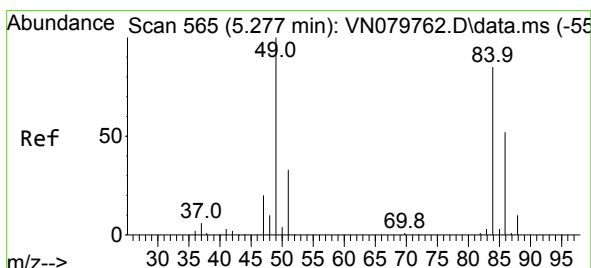
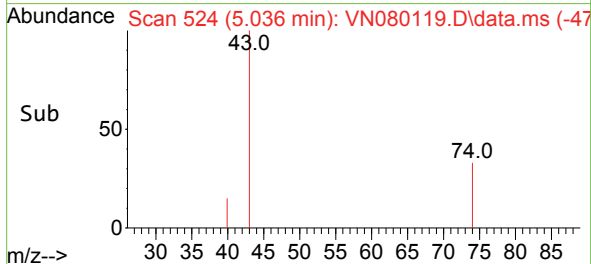
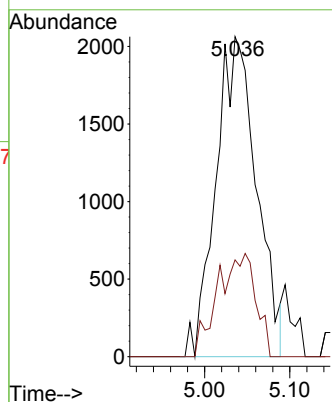
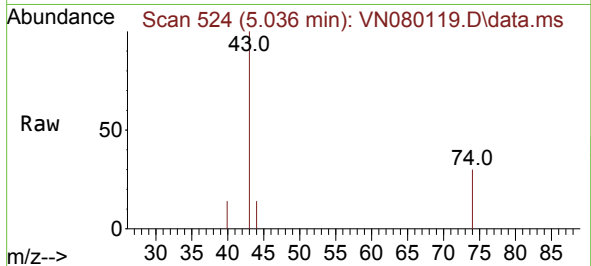




#18
Methyl Acetate
Concen: 1.289 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

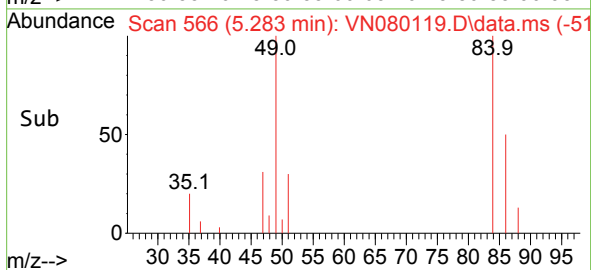
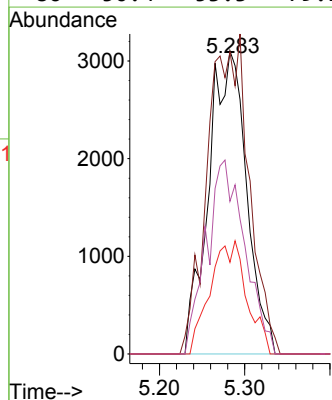
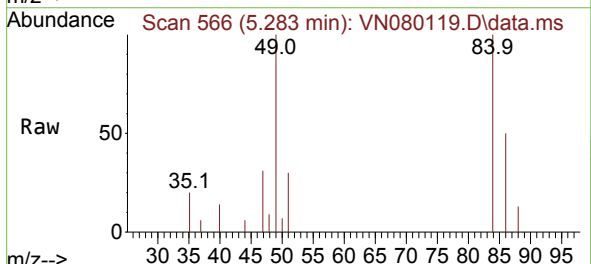
Instrument :
MSVOA_N
ClientSampleId :

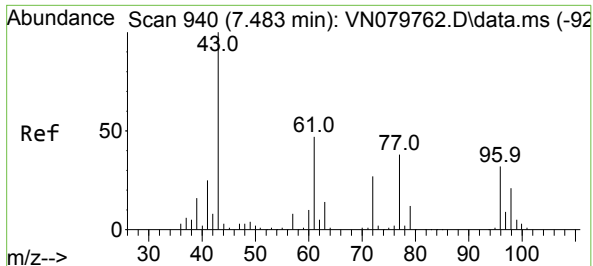
Tgt Ion: 43 Resp: 6844
Ion Ratio Lower Upper
43 100
74 30.1 26.2 39.4



#20
Methylene Chloride
Concen: 3.430 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

Tgt Ion: 84 Resp: 9606
Ion Ratio Lower Upper
84 100
49 99.6 79.7 119.5
51 30.3 25.2 37.8
86 50.4 53.3 79.9#

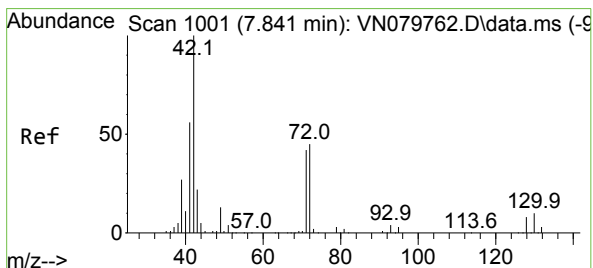
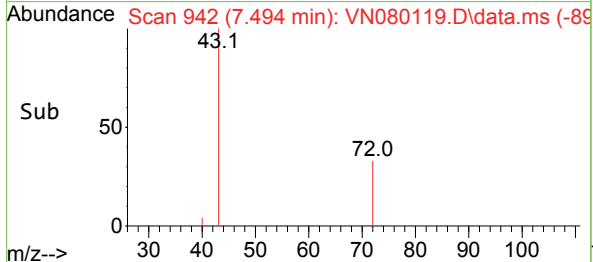
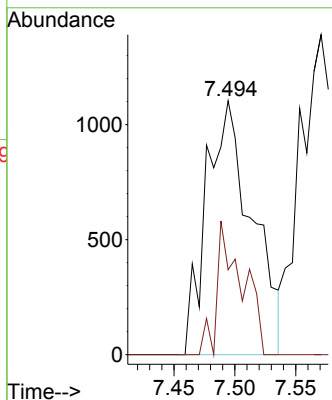
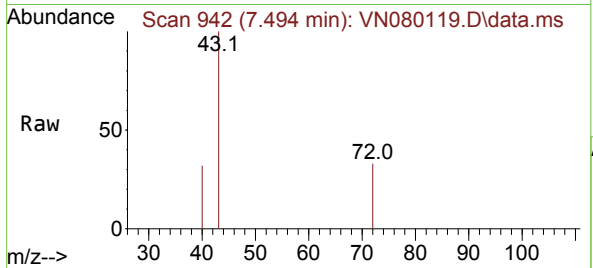




#25
2-Butanone
Concen: 1.777 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

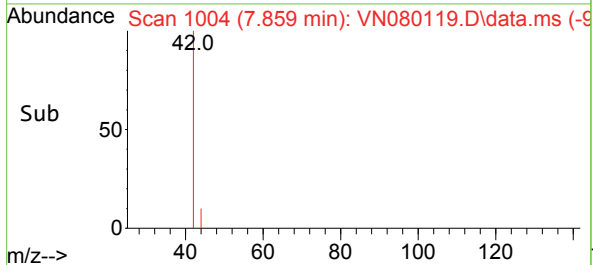
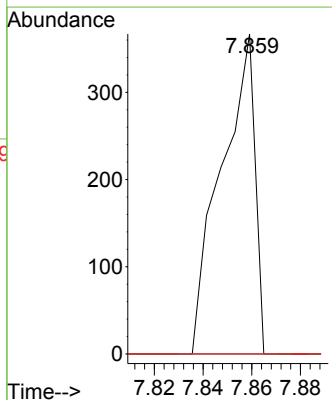
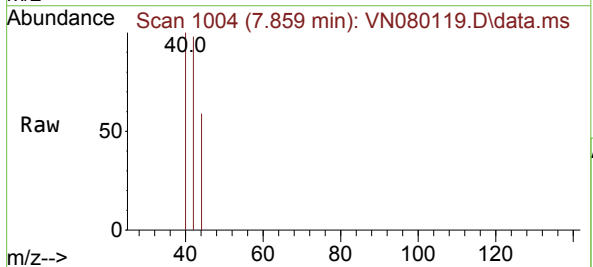
Instrument :
MSVOA_N
ClientSampleId :

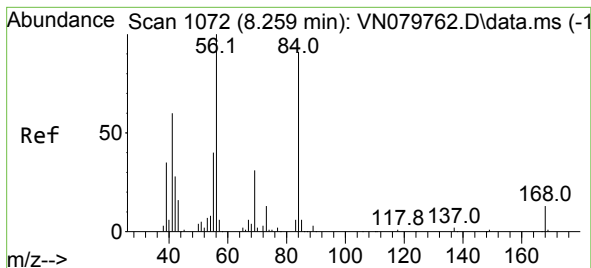
Tgt Ion: 43 Resp: 2888
Ion Ratio Lower Upper
43 100
72 33.4 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.332 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

Tgt Ion: 42 Resp: 351
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#





#31

Cyclohexane

Concen: 1.184 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

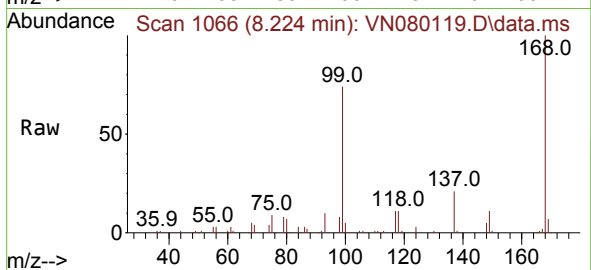
Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

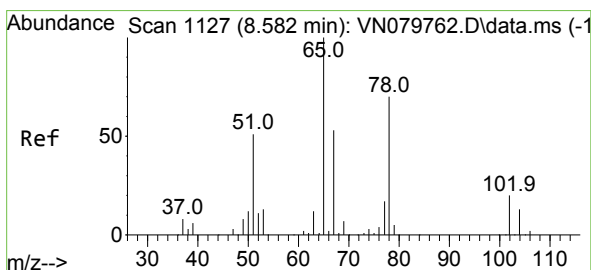
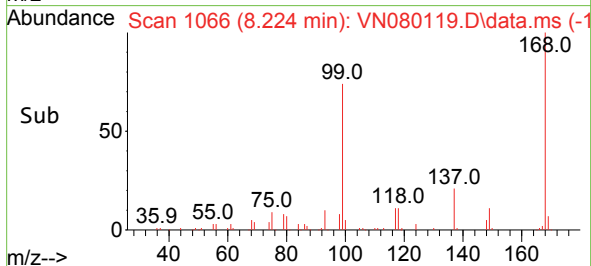
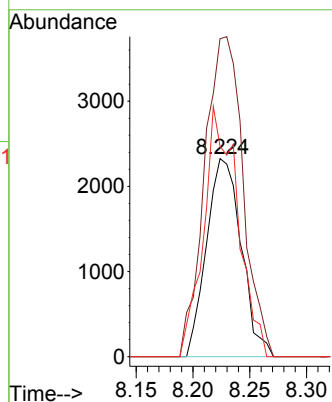
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4944
Ion Ratio	Lower Upper
56	100
69	160.4 26.8 40.2#
84	117.7 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 54.178 ug/l

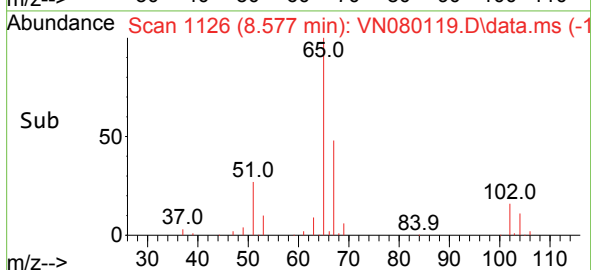
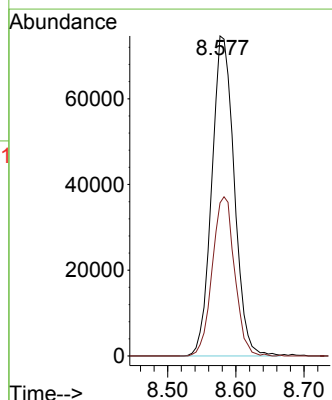
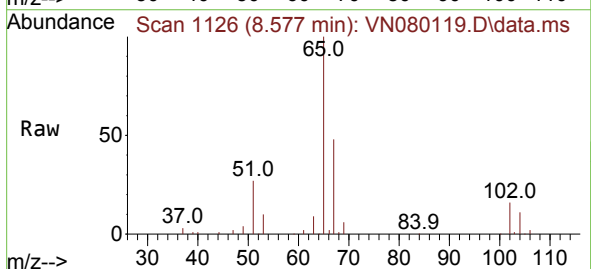
RT: 8.577 min Scan# 1126

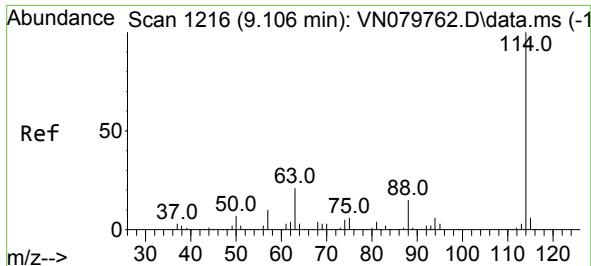
Delta R.T. -0.006 min

Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

Tgt Ion: 65	Resp: 171188
Ion Ratio	Lower Upper
65	100
67	49.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :

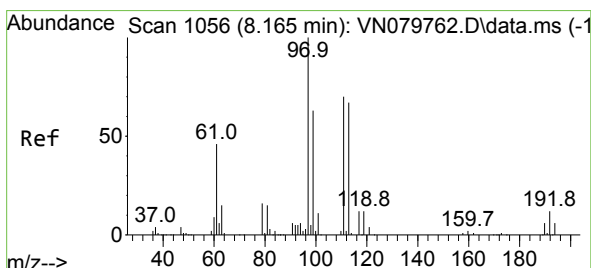
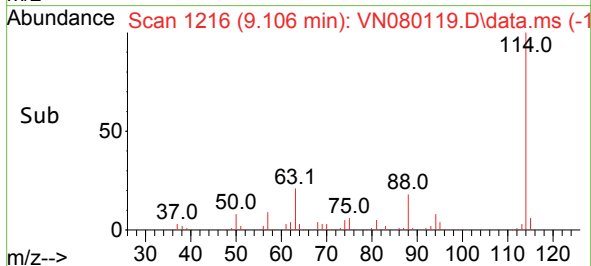
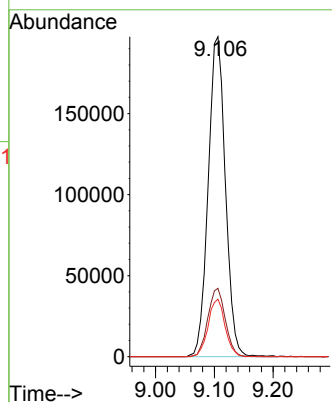
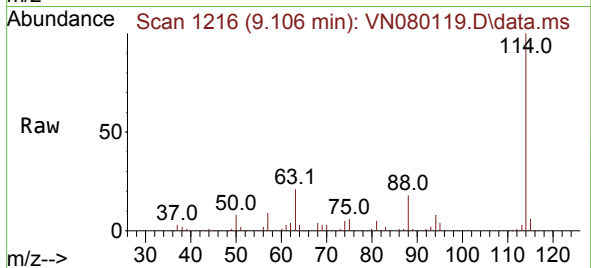
Tgt Ion:114 Resp: 401397

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 18.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.191 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

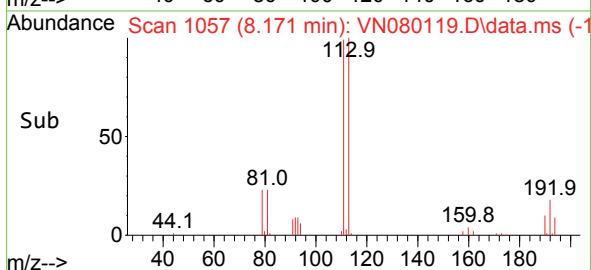
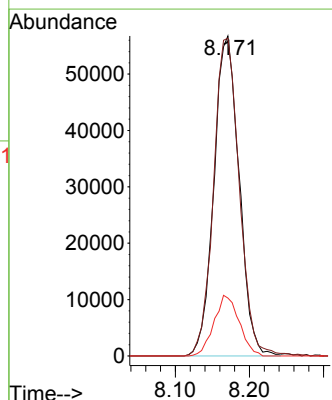
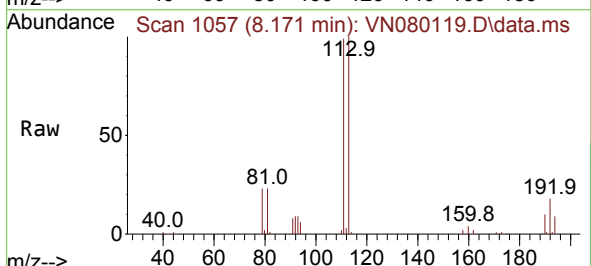
Tgt Ion:113 Resp: 134067

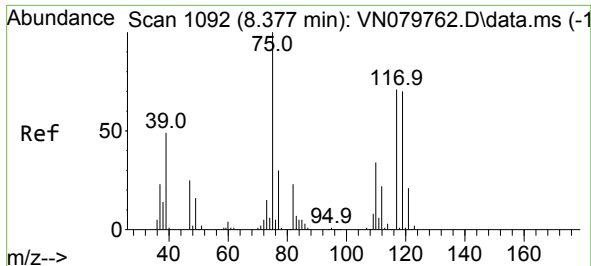
Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

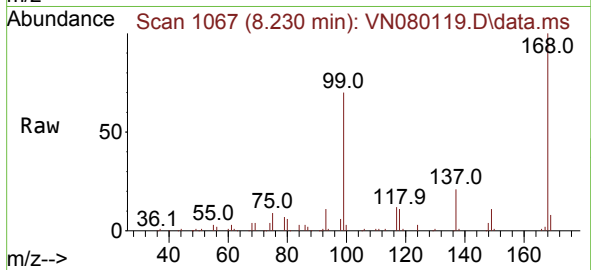
192 18.9 12.7 19.1



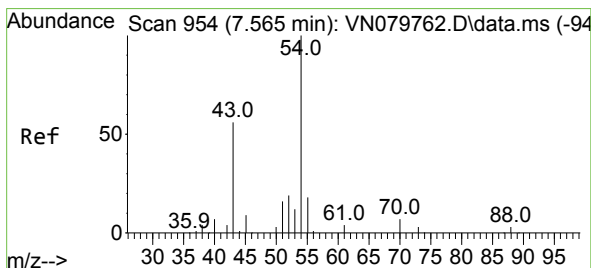
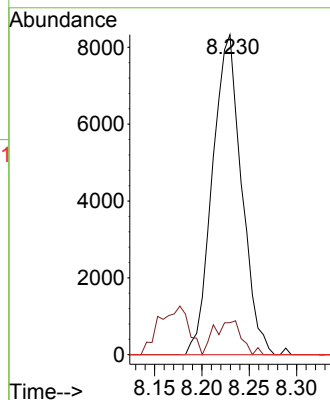
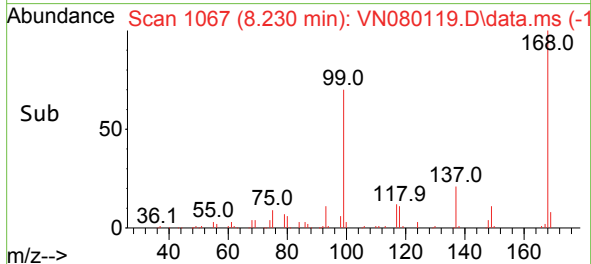


#36
1,1-Dichloropropene
Concen: 4.399 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

Instrument :
MSVOA_N
ClientSampleId :

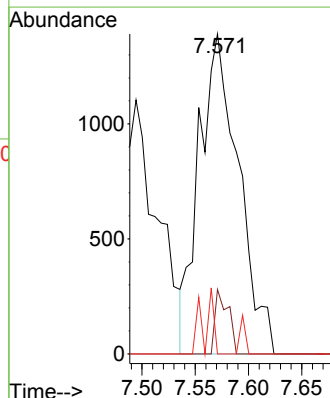
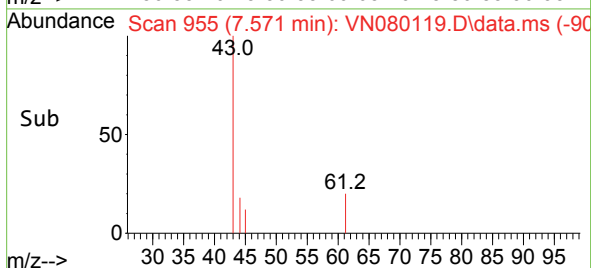
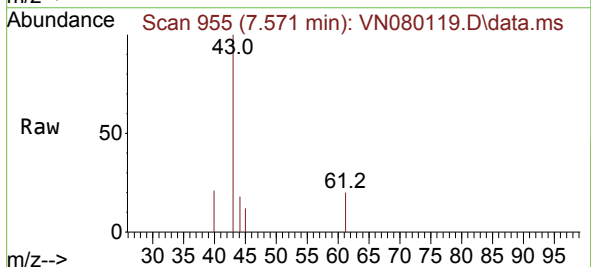


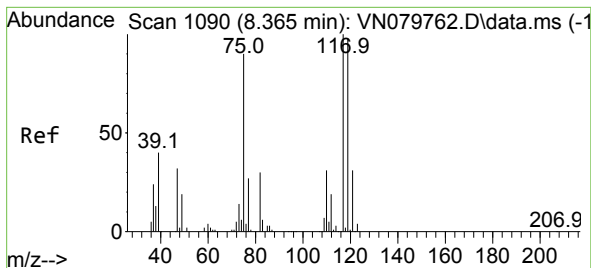
Tgt Ion: 75 Resp: 17843
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.964 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

Tgt Ion: 43 Resp: 3585
Ion Ratio Lower Upper
43 100
61 6.7 13.2 19.8#
70 2.4 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.916 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.129 min

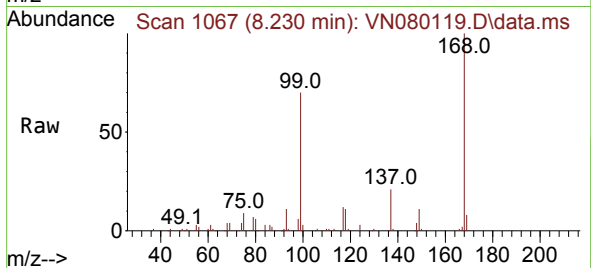
Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :



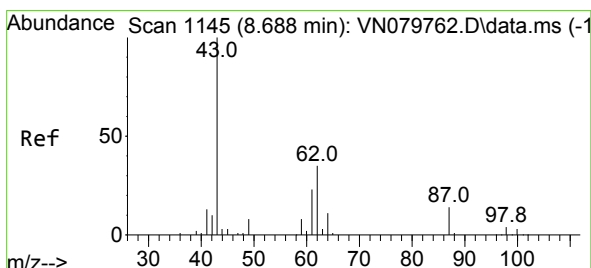
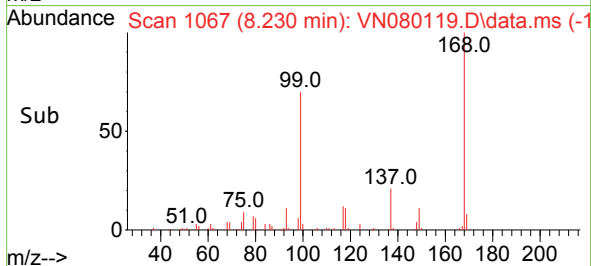
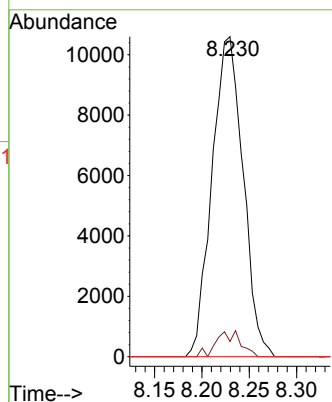
Tgt Ion:117 Resp: 24184

Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 37.763 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

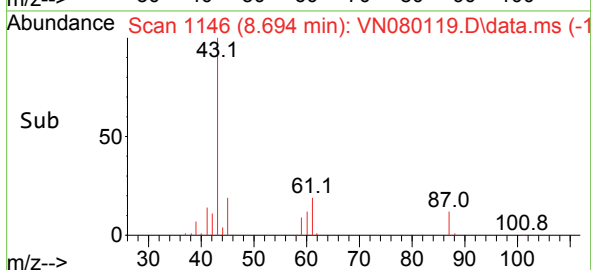
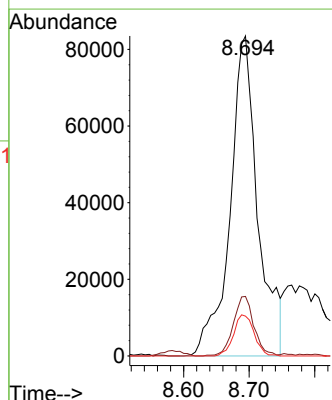
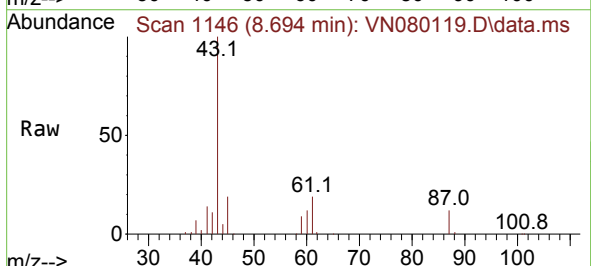
Tgt Ion: 43 Resp: 246369

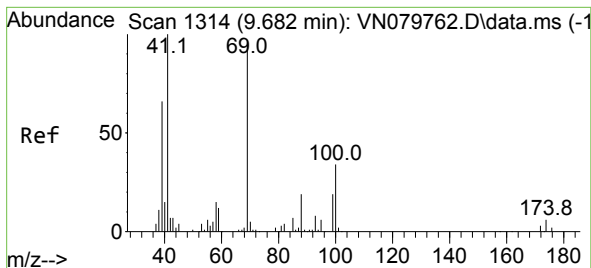
Ion Ratio Lower Upper

43 100

61 13.8 24.7 37.1#

87 9.5 14.6 21.8#





#48

Methyl methacrylate

Concen: 1.525 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :

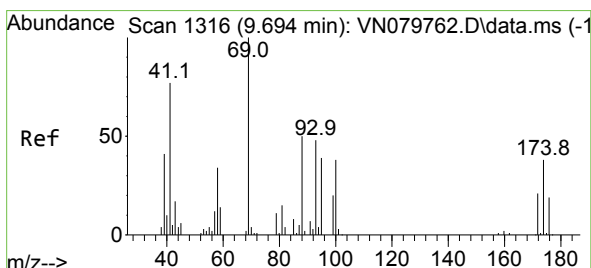
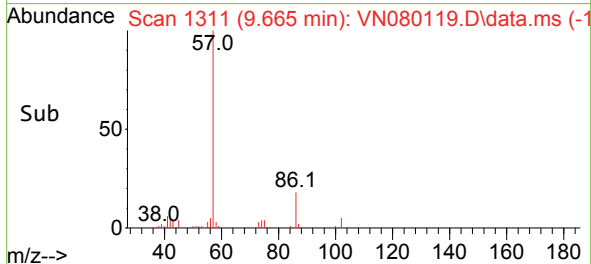
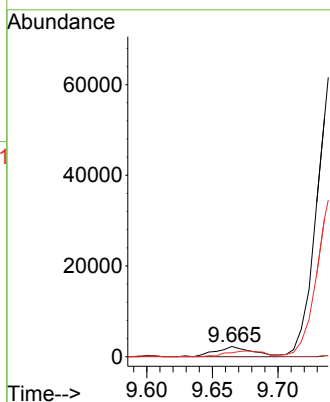
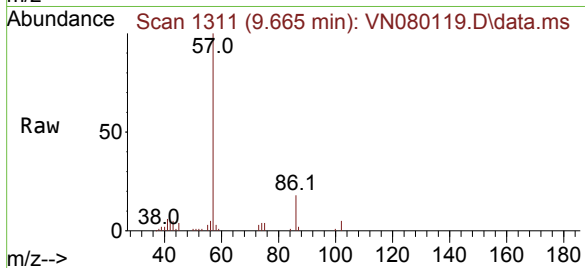
Tgt Ion: 41 Resp: 4358

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 59.0 54.6 81.8



#49

1,4-Dioxane

Concen: 3.367 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

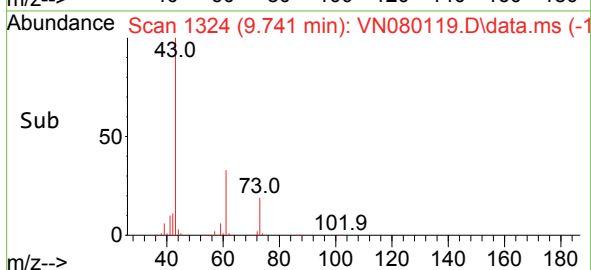
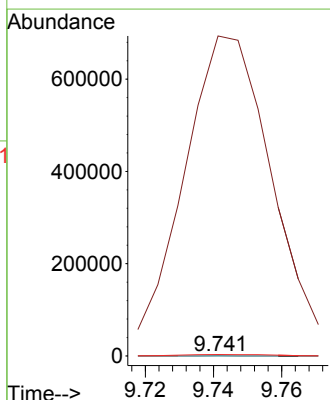
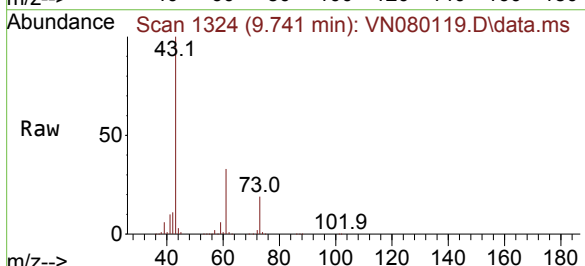
Tgt Ion: 88 Resp: 170

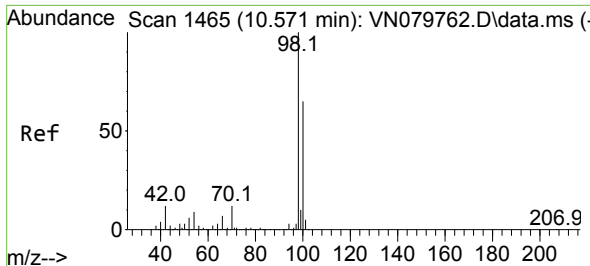
Ion Ratio Lower Upper

88 100

43 751741.2 17.0 25.6#

58 3587.1 47.0 70.4#

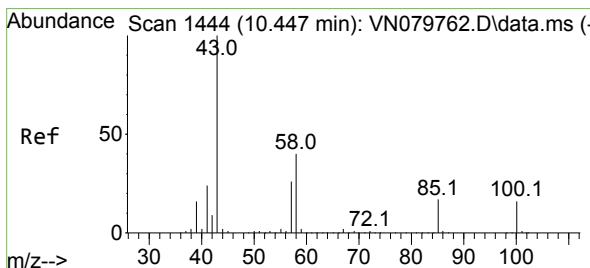
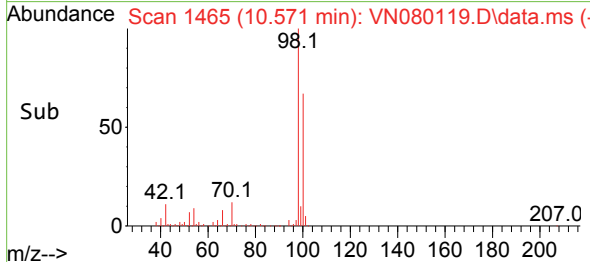
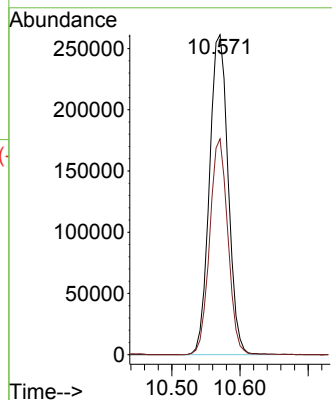
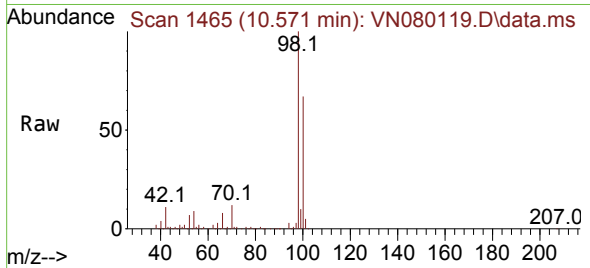




#50
Toluene-d8
Concen: 47.673 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

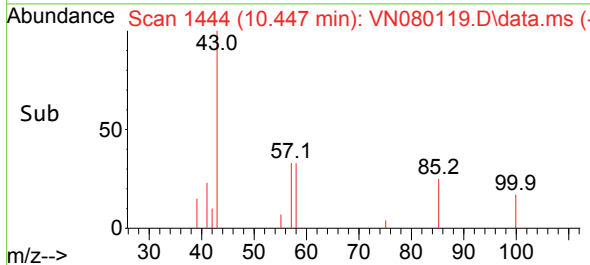
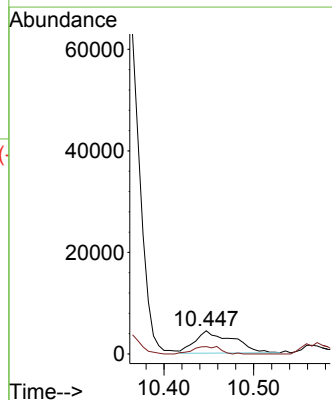
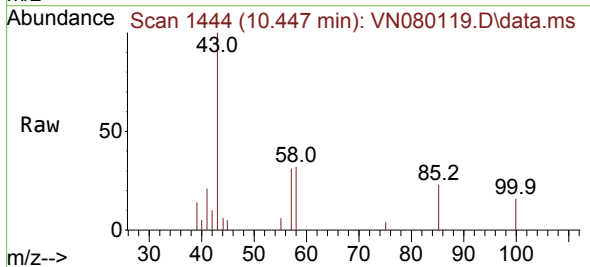
Instrument :
MSVOA_N
ClientSampleId :

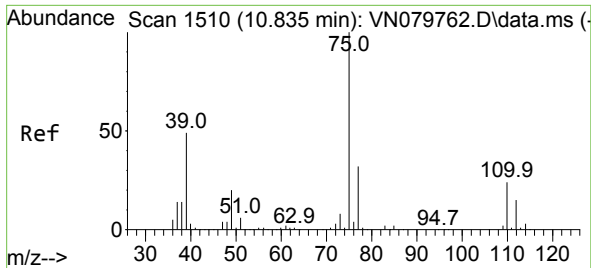
Tgt Ion: 98 Resp: 498589
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.497 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

Tgt Ion: 43 Resp: 12844
Ion Ratio Lower Upper
43 100
58 24.4 36.6 54.8#

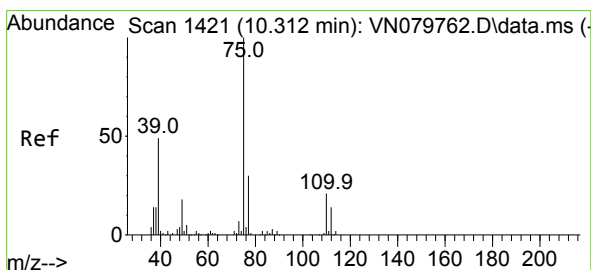
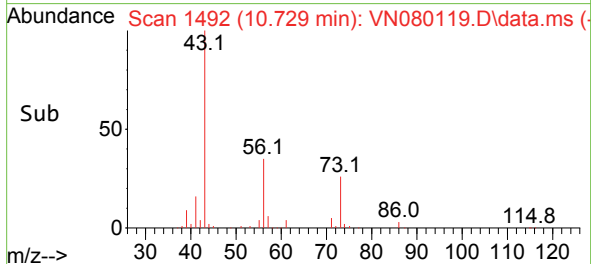
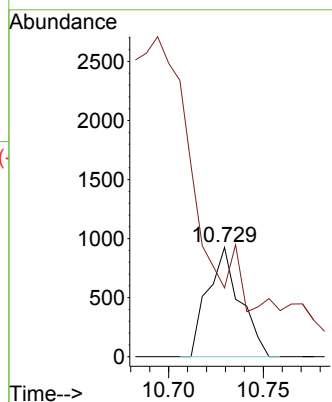
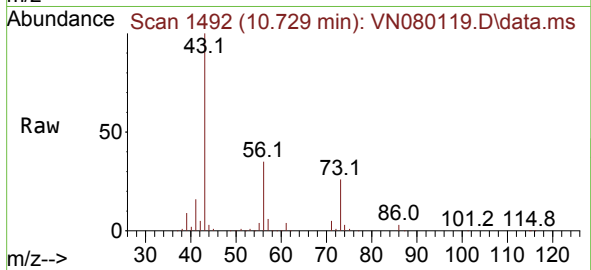




#53
 t-1,3-Dichloropropene
 Concen: 0.250 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.112 min
 Lab File: VN080119.D
 Acq: 15 Nov 2023 18:40

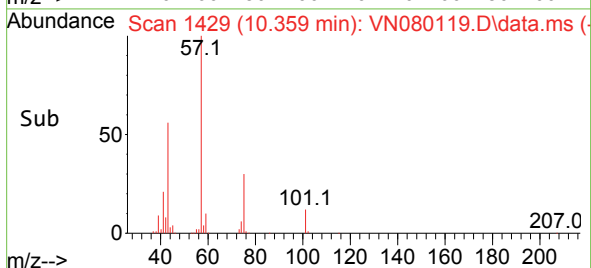
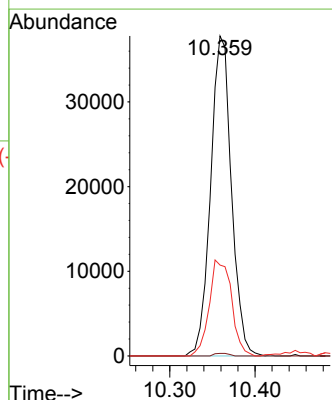
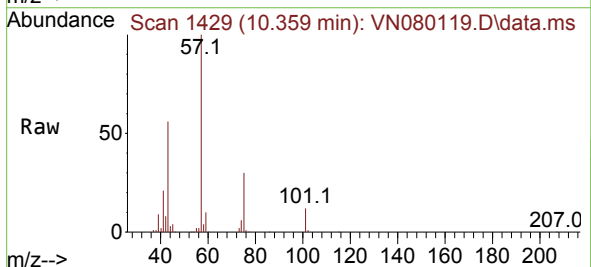
Instrument :
 MSVOA_N
 ClientSampleId :

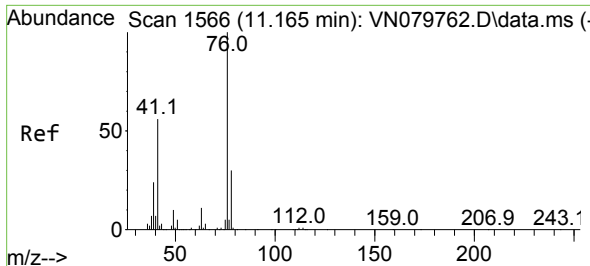
Tgt Ion: 75 Resp: 1106
 Ion Ratio Lower Upper
 75 100
 77 20.7 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.268 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080119.D
 Acq: 15 Nov 2023 18:40

Tgt Ion: 75 Resp: 64100
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 28.4 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.574 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

Instrument :

MSVOA_N

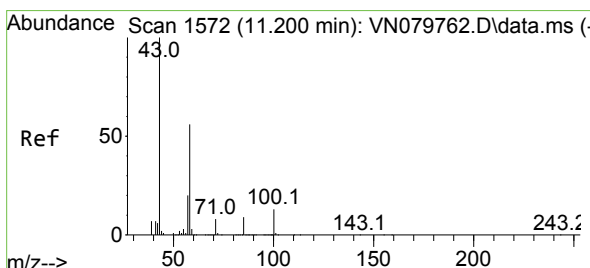
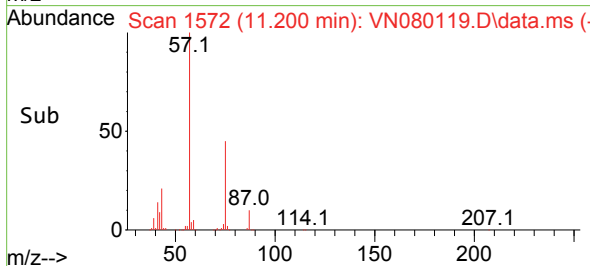
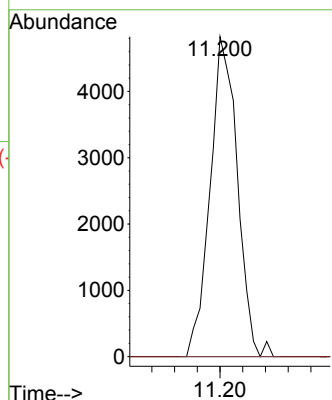
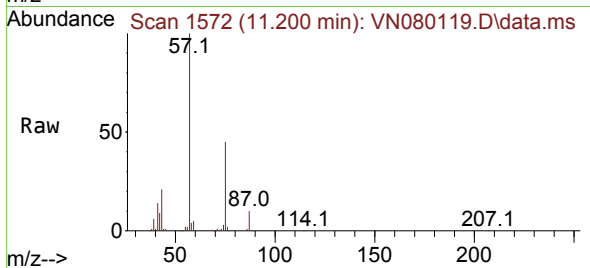
ClientSampleId :

Tgt Ion: 76 Resp: 8039

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 47.184 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN080119.D

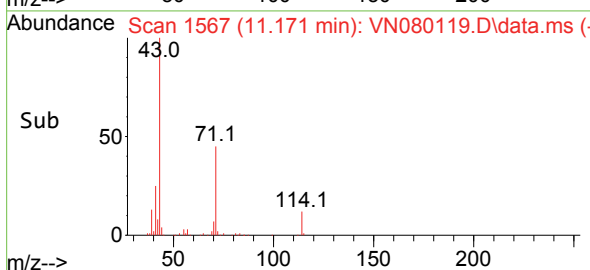
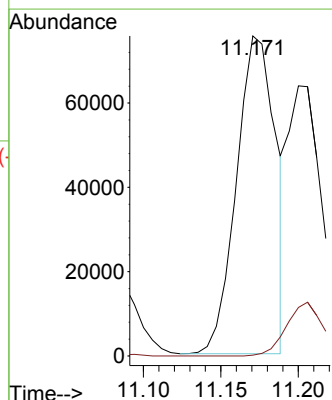
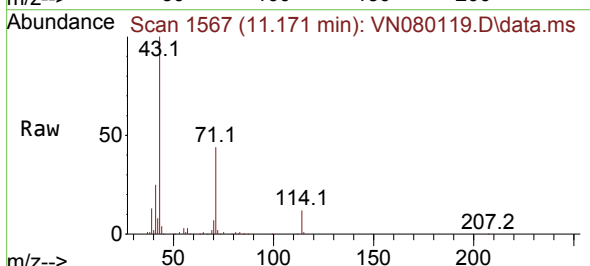
Acq: 15 Nov 2023 18:40

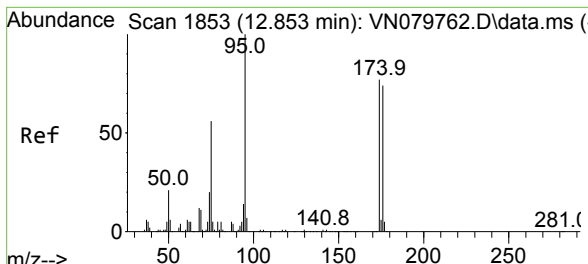
Tgt Ion: 43 Resp: 132580

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

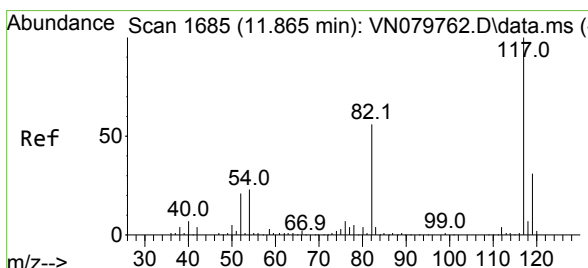
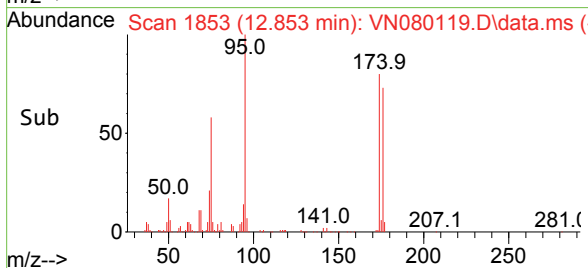
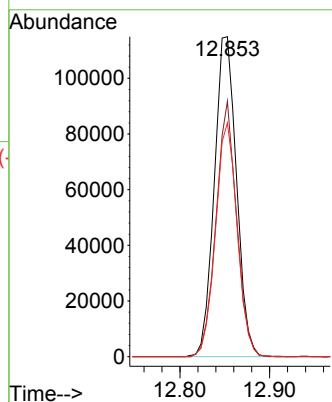
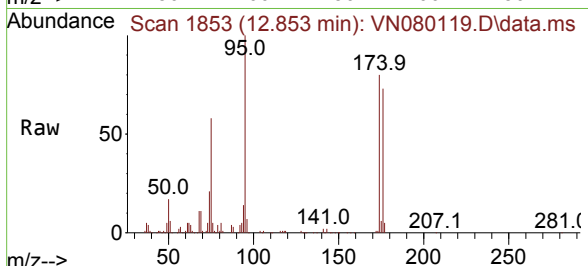




#62
4-Bromofluorobenzene
Concen: 56.837 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

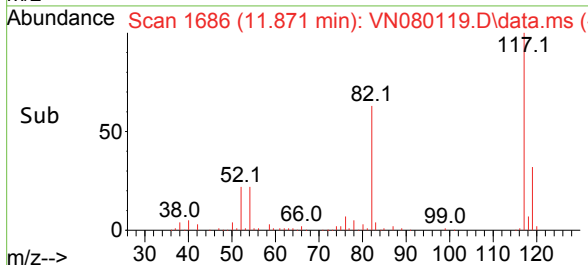
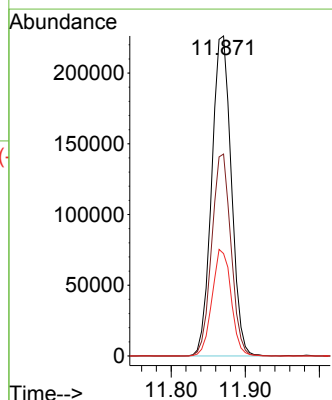
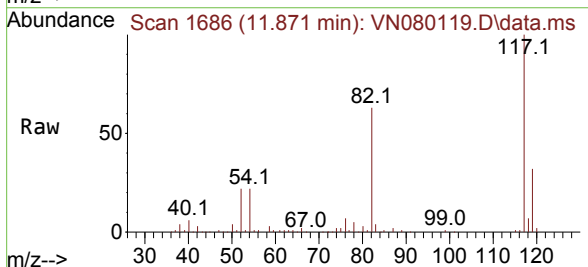
Instrument :
MSVOA_N
ClientSampleId :

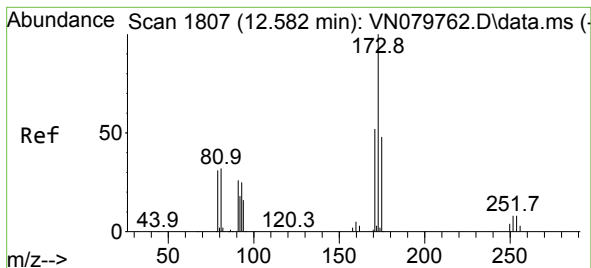
Tgt Ion: 95 Resp: 197144
Ion Ratio Lower Upper
95 100
174 74.2 0.0 143.8
176 71.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

Tgt Ion: 117 Resp: 415702
Ion Ratio Lower Upper
117 100
82 63.1 44.0 66.0
119 32.0 25.6 38.4





#71

Bromoform

Concen: 0.405 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :

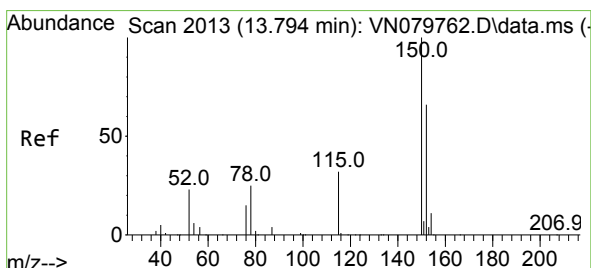
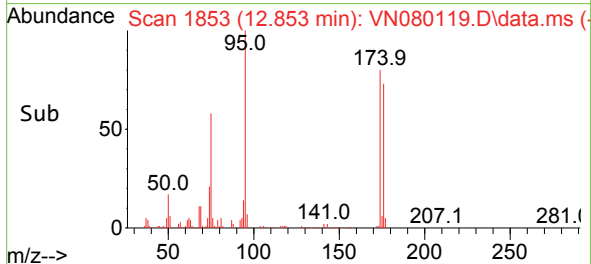
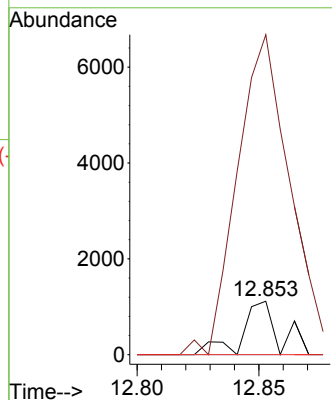
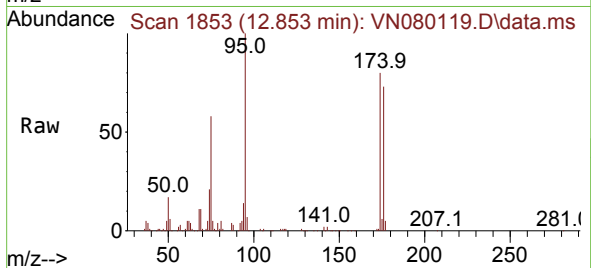
Tgt Ion:173 Resp: 934

Ion Ratio Lower Upper

173 100

175 870.9 24.3 73.0#

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: VN080119.D

Acq: 15 Nov 2023 18:40

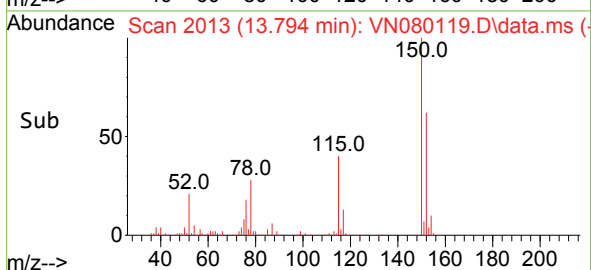
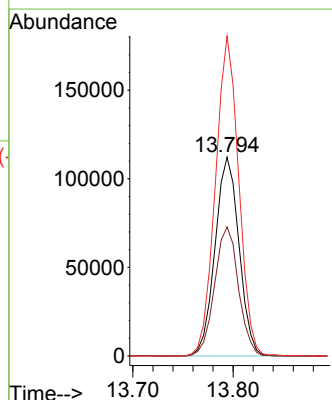
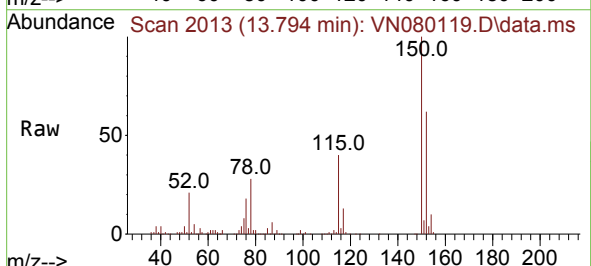
Tgt Ion:152 Resp: 186118

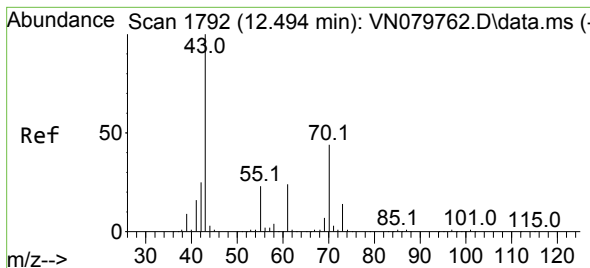
Ion Ratio Lower Upper

152 100

115 64.8 32.3 96.8

150 156.5 0.0 355.8





#74

N-amy1 acetate

Concen: 0.309 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

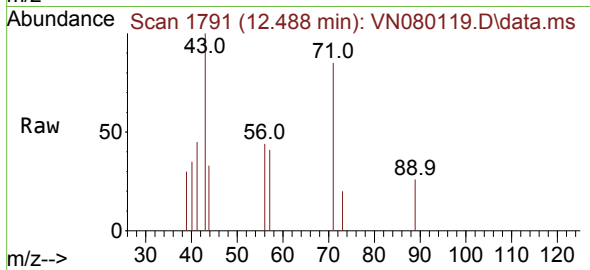
Lab File: VN080119.D

Acq: 15 Nov 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1906

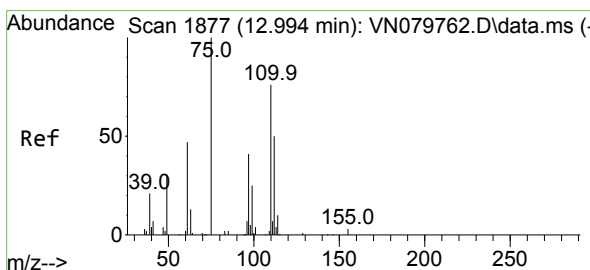
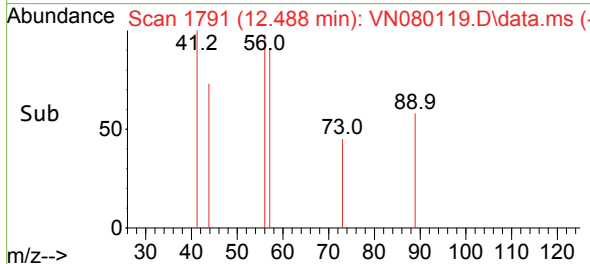
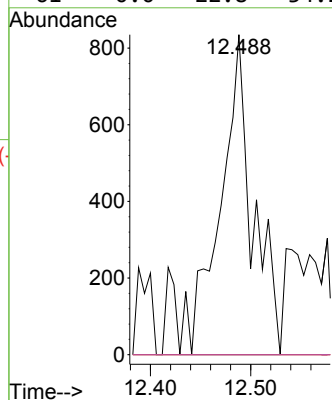
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 25.682 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080119.D

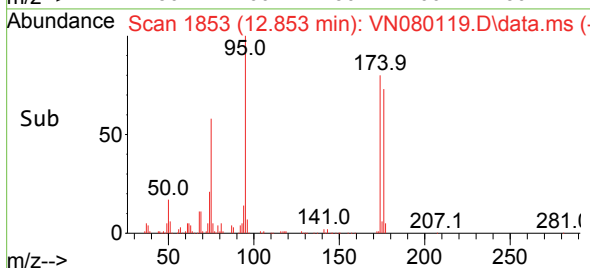
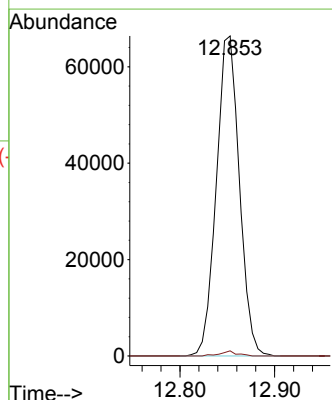
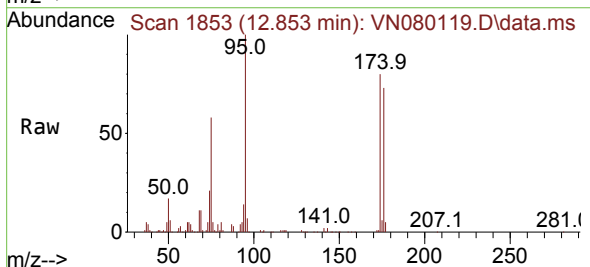
Acq: 15 Nov 2023 18:40

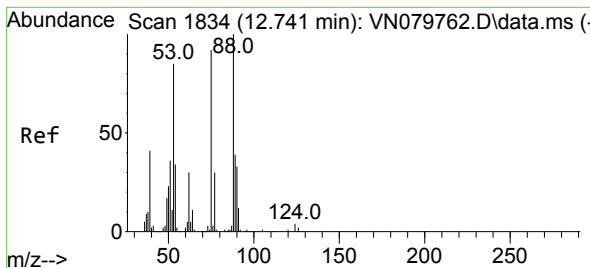
Tgt Ion: 75 Resp: 112219

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#

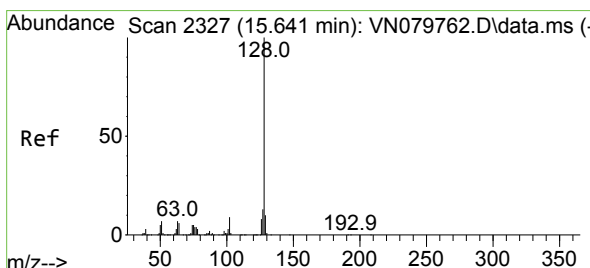
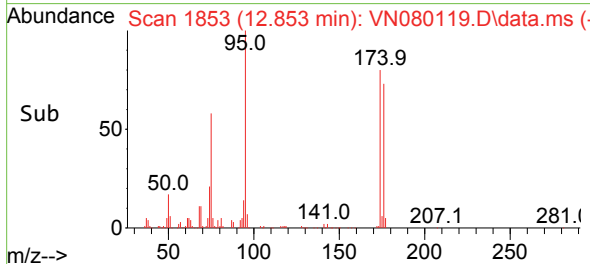
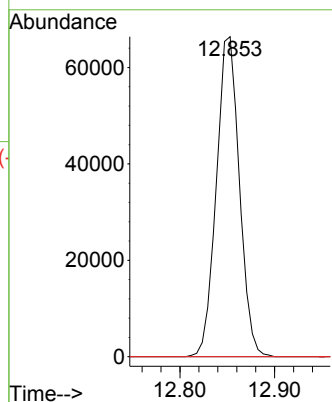
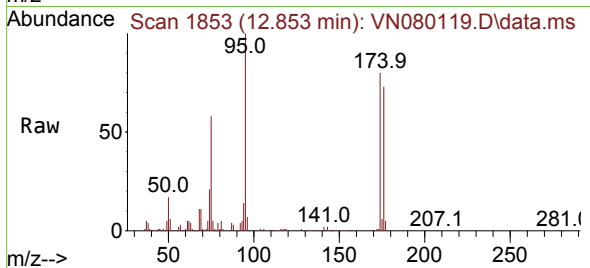




#81
trans-1,4-Dichloro-2-butene
Concen: 69.876 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 112219
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.272 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080119.D
Acq: 15 Nov 2023 18:40

Tgt Ion:128 Resp: 12461
Ion Ratio Lower Upper
128 100
127 15.9 10.0 15.0#
129 12.5 8.7 13.1

