

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031924\
 Data File : VN081475.D
 Acq On : 19 Mar 2024 16:57
 Operator : JC\MD
 Sample : P1786-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-COMPOSITE

Quant Time: Mar 20 01:20:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

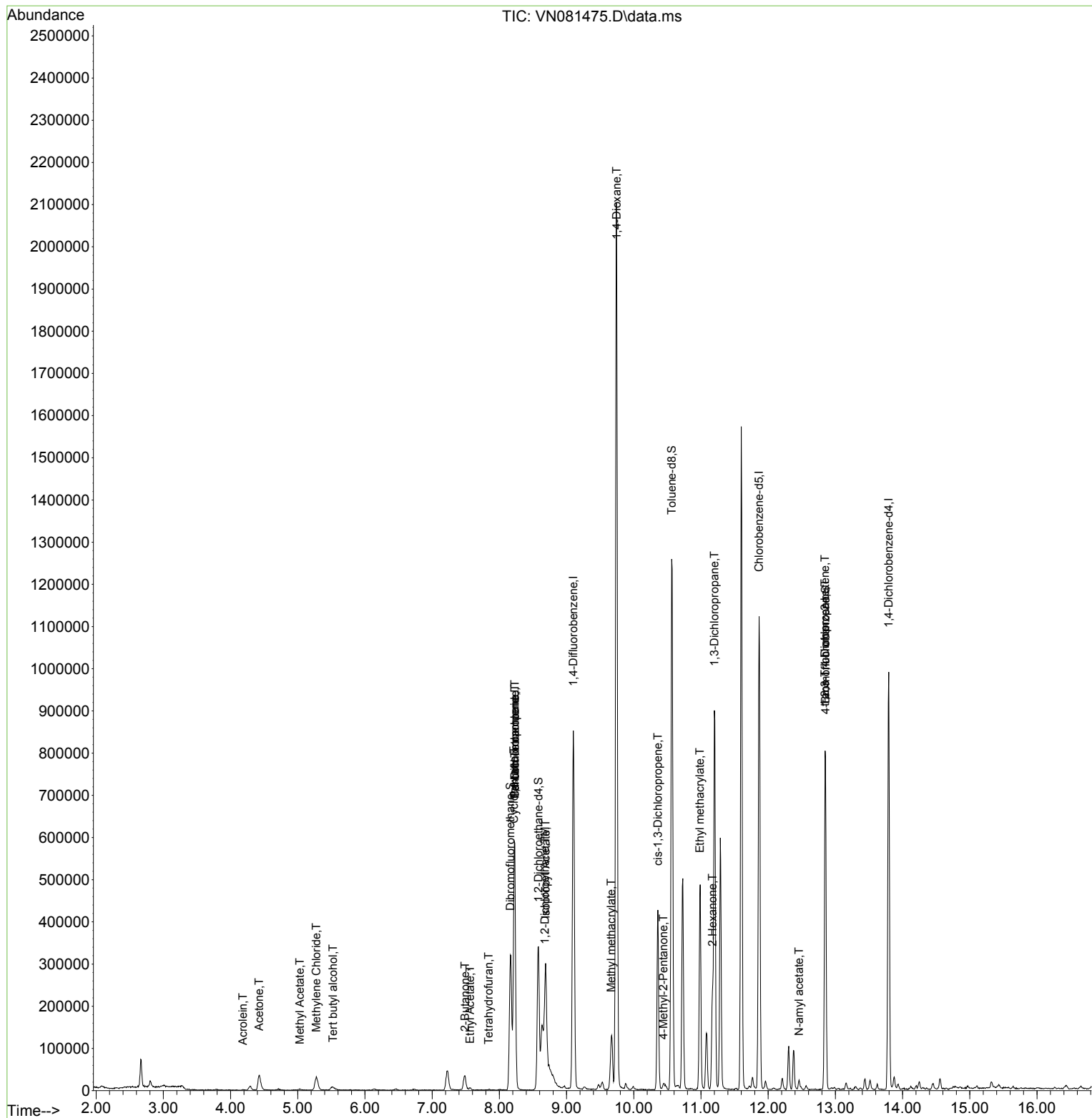
Internal Standards						
1) Pentafluorobenzene	8.229	168	424562	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	756711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	657317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	263297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	277581	51.268	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.540%			
35) Dibromofluoromethane	8.165	113	235310	49.273	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.540%			
50) Toluene-d8	10.565	98	899466	52.103	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.853	95	276289	45.420	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 90.840%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.524	59	12326	13.064	ug/l	# 82
13) Acrolein	4.183	56	1308	1.545	ug/l	96
16) Acetone	4.424	43	68339	39.056	ug/l	96
18) Methyl Acetate	5.030	43	5444	1.009	ug/l	# 75
20) Methylene Chloride	5.277	84	25224	4.401	ug/l	# 80
25) 2-Butanone	7.488	43	57493	19.157	ug/l	91
29) Tetrahydrofuran	7.841	42	1934	0.957	ug/l	# 66
31) Cyclohexane	8.218	56	9922	1.126	ug/l	# 11
36) 1,1-Dichloropropene	8.229	75	34105	4.244	ug/l	# 51
37) Ethyl Acetate	7.565	43	6258	0.909	ug/l	# 89
38) Carbon Tetrachloride	8.229	117	46100	5.236	ug/l	# 18
42) 1,2-Dichloroethane	8.676	62	2486	0.301	ug/l	89
43) Isopropyl Acetate	8.688	43	428109	37.529	ug/l	# 80
48) Methyl methacrylate	9.665	41	12500	2.376	ug/l	# 48
49) 1,4-Dioxane	9.747	88	343	2.713	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.441	43	8469	1.217	ug/l	# 87
54) cis-1,3-Dichloropropene	10.359	75	76244	7.789	ug/l	# 65
56) Ethyl methacrylate	10.982	69	2801	0.914	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	9832	0.998	ug/l	# 44
59) 2-Hexanone	11.170	43	179662	34.910	ug/l	# 26
74) N-amyl acetate	12.459	43	14860	1.830	ug/l	# 51
76) 1,2,3-Trichloropropane	12.847	75	146442	23.251	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	146442	62.833	ug/l	# 14

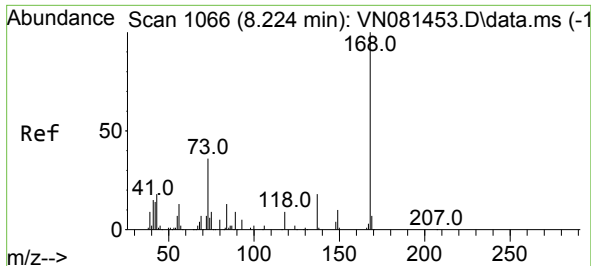
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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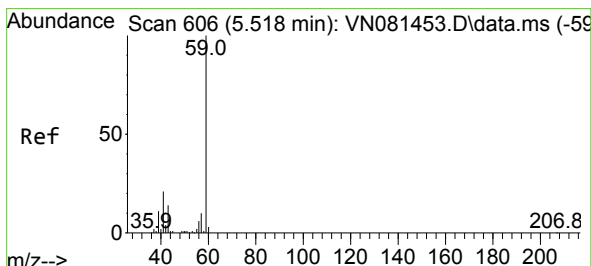
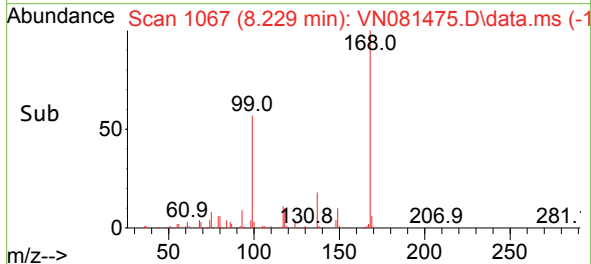
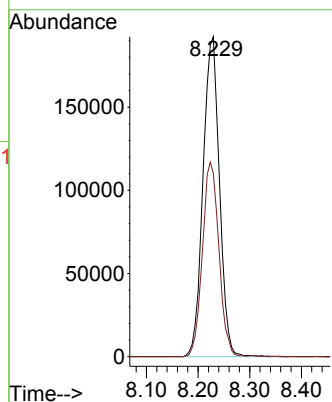
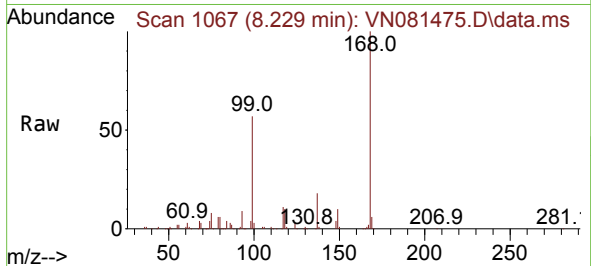




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

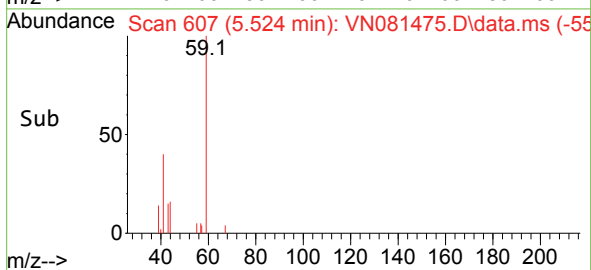
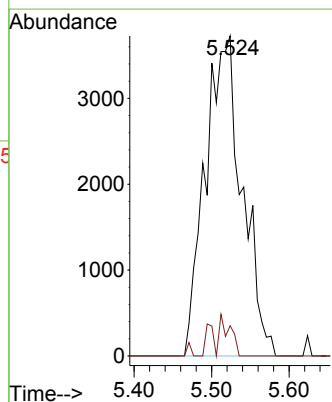
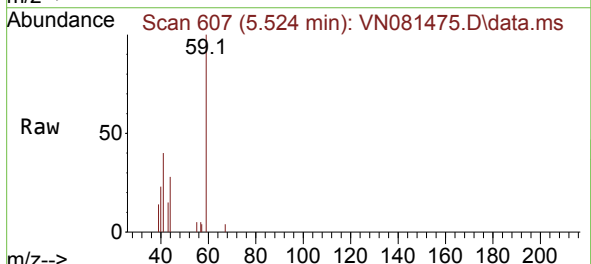
Instrument :
MSVOA_N
ClientSampleId :
WASTE-COMPOSITE

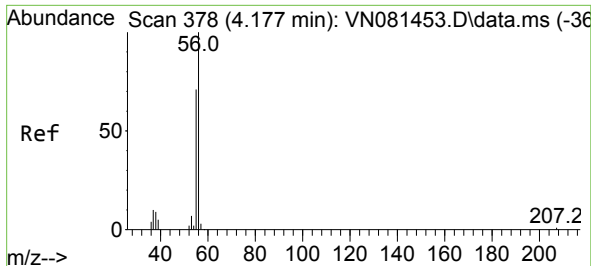
Tgt Ion:168 Resp: 424562
Ion Ratio Lower Upper
168 100
99 57.3 59.9 89.9#



#11
Tert butyl alcohol
Concen: 13.064 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

Tgt Ion: 59 Resp: 12326
Ion Ratio Lower Upper
59 100
57 3.8 8.6 12.8#

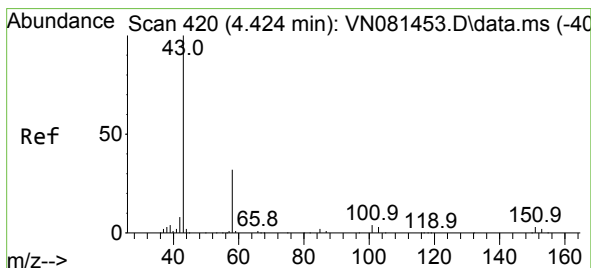
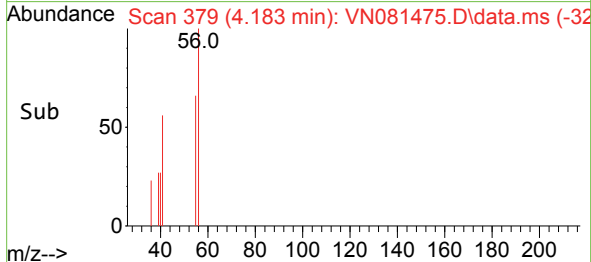
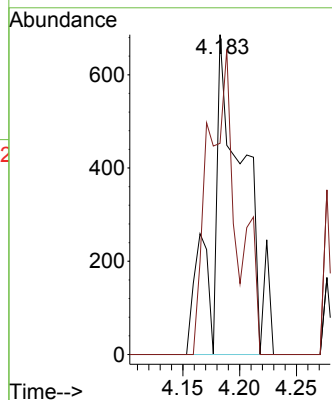
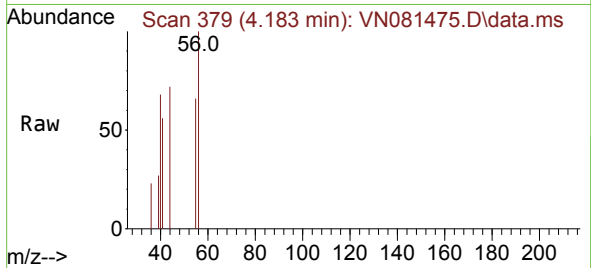




#13
Acrolein
Concen: 1.545 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

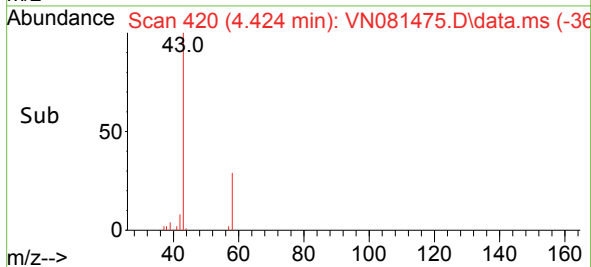
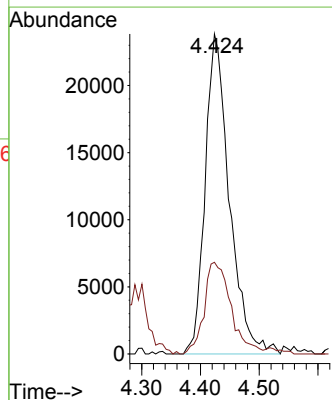
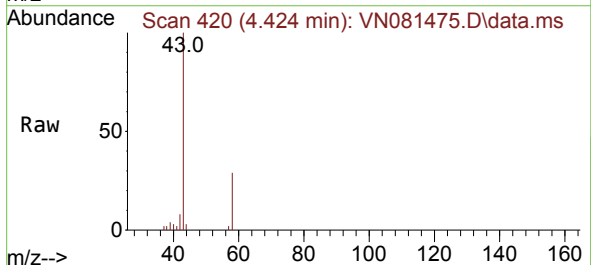
Instrument :
MSVOA_N
ClientSampleId :
WASTE-COMPOSITE

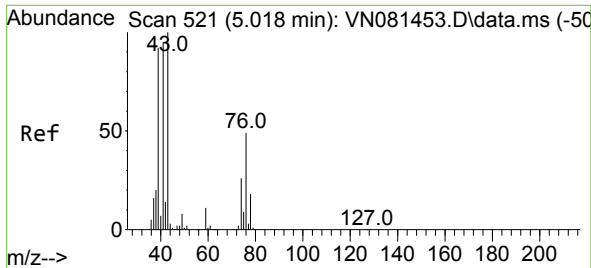
Tgt Ion: 56 Resp: 1308
Ion Ratio Lower Upper
56 100
55 72.4 55.3 82.9



#16
Acetone
Concen: 39.056 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

Tgt Ion: 43 Resp: 68339
Ion Ratio Lower Upper
43 100
58 28.6 24.8 37.2

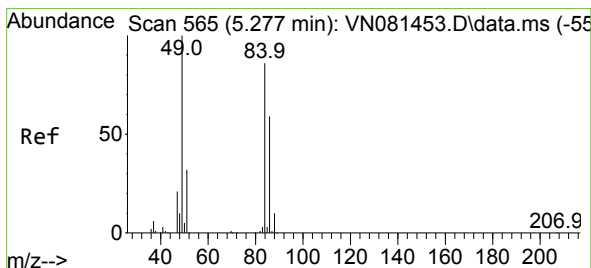
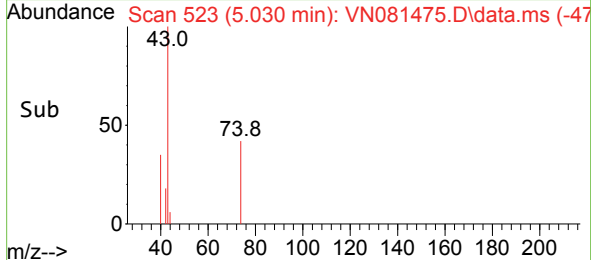
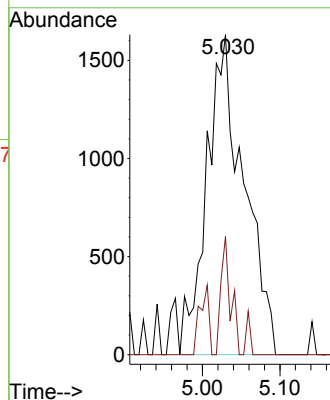
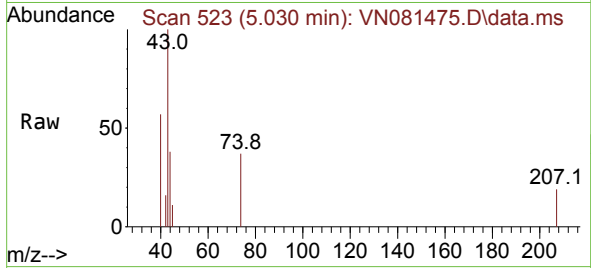




#18
Methyl Acetate
Concen: 1.009 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

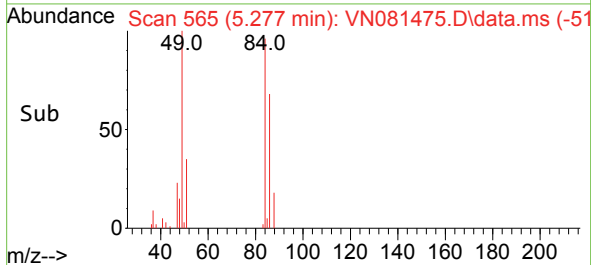
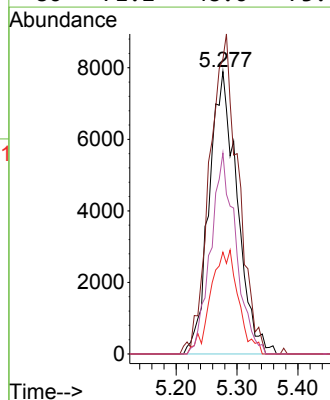
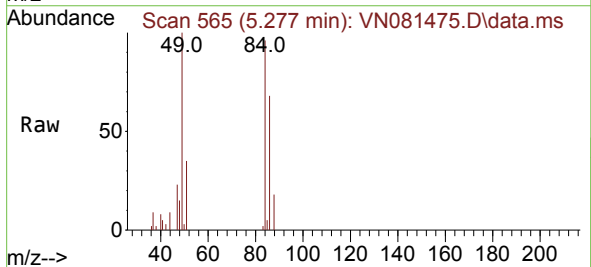
Instrument :
MSVOA_N
ClientSampleId :
WASTE-COMPOSITE

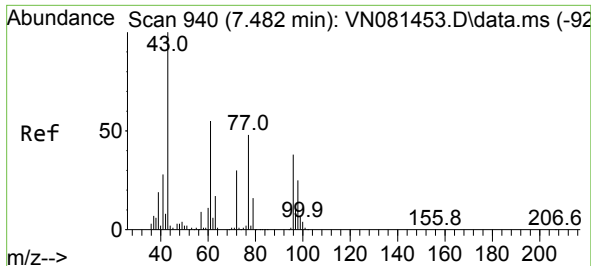
Tgt Ion: 43 Resp: 5444
Ion Ratio Lower Upper
43 100
74 9.6 17.3 25.9#



#20
Methylene Chloride
Concen: 4.401 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

Tgt Ion: 84 Resp: 25224
Ion Ratio Lower Upper
84 100
49 104.4 108.1 162.1#
51 36.1 32.9 49.3
86 71.2 48.6 73.0

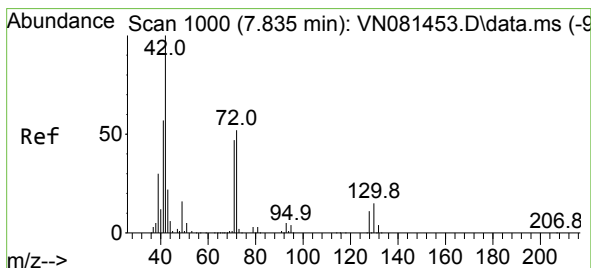
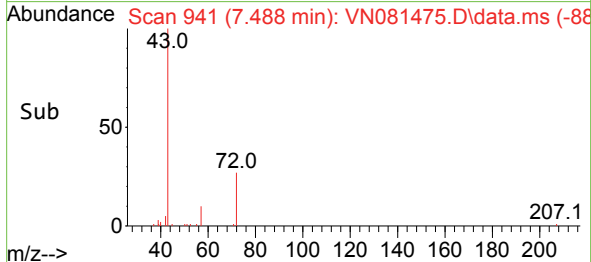
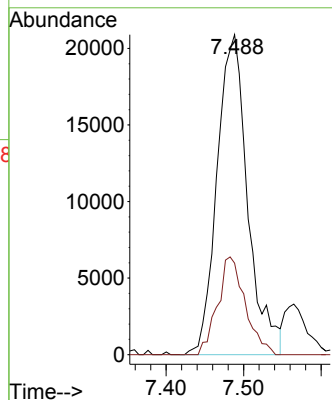
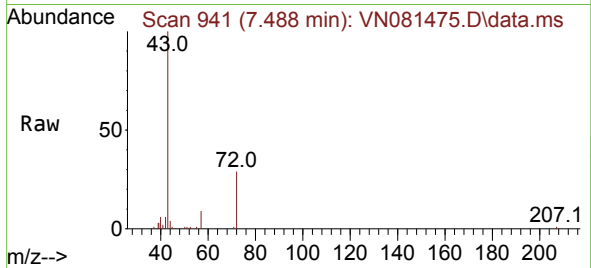




#25
2-Butanone
Concen: 19.157 ug/l
RT: 7.488 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

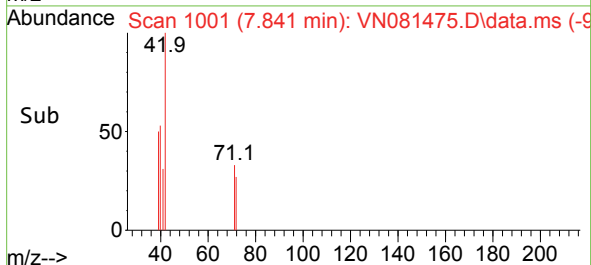
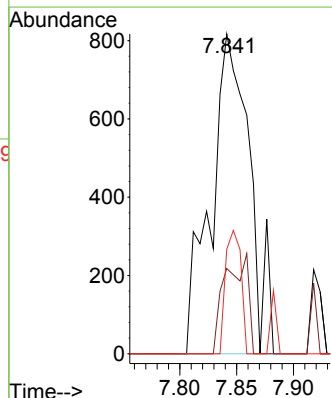
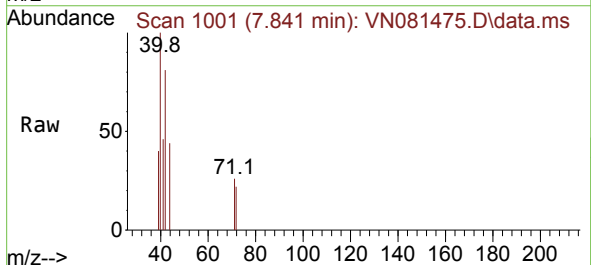
Instrument :
MSVOA_N
ClientSampleId :
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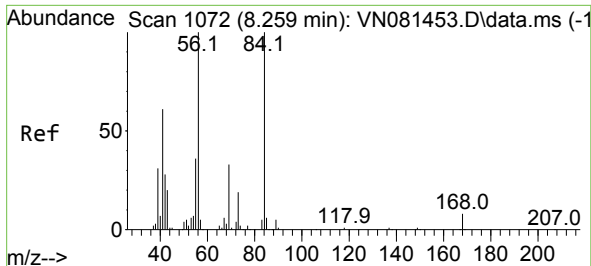
Tgt Ion: 43 Resp: 57493
Ion Ratio Lower Upper
43 100
72 28.6 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.957 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

Tgt Ion: 42 Resp: 1934
Ion Ratio Lower Upper
42 100
72 18.7 31.1 46.7#
71 15.5 28.3 42.5#

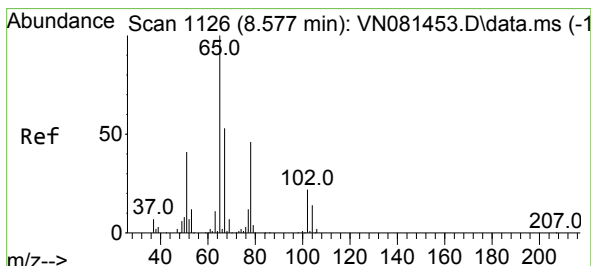
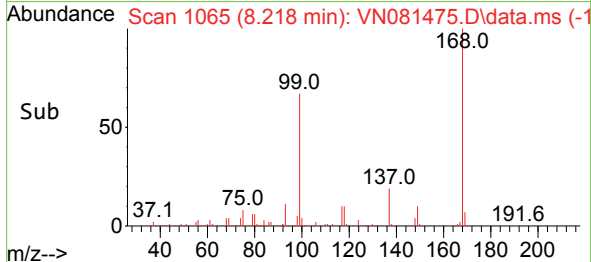
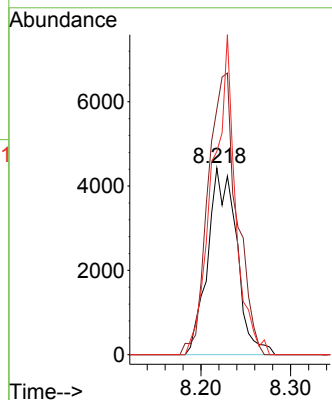
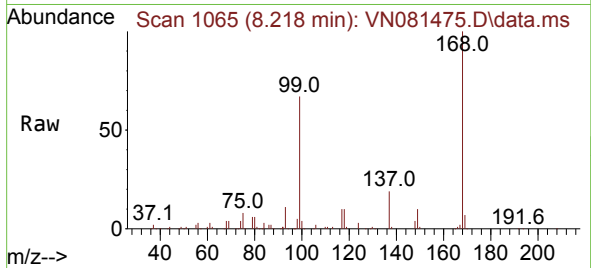




#31
Cyclohexane
Concen: 1.126 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

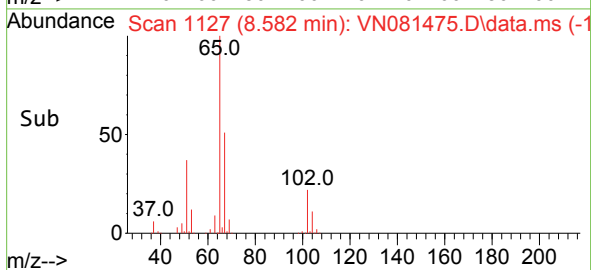
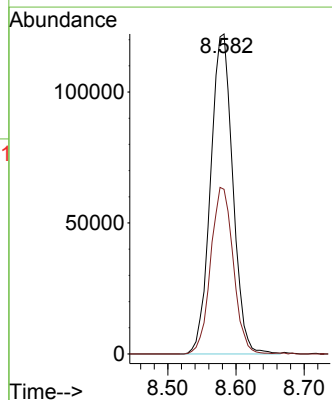
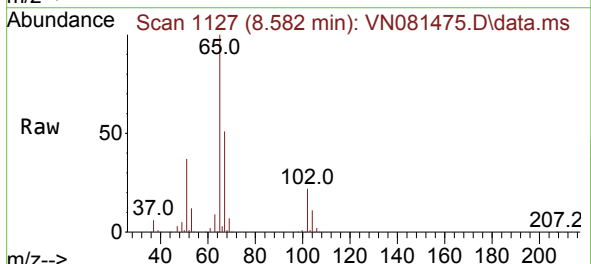
Instrument :
MSVOA_N
ClientSampleId :
WASTE-COMPOSITE

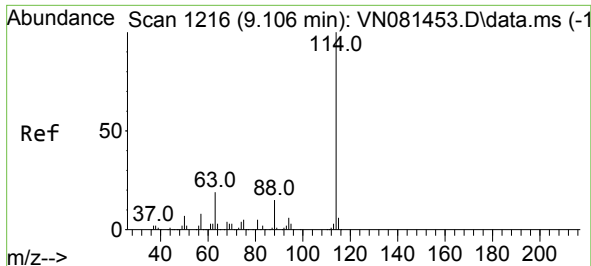
Tgt Ion: 56 Resp: 9922
Ion Ratio Lower Upper
56 100
69 131.6 20.1 30.1#
84 108.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 51.268 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

Tgt Ion: 65 Resp: 277581
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.006 min

Lab File: VN081475.D

Acq: 19 Mar 2024 16:57

Instrument :

MSVOA_N

ClientSampleId :

WASTE-COMPOSITE

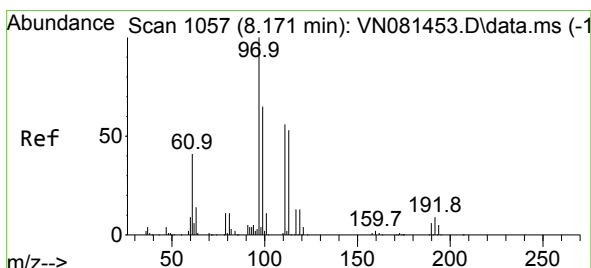
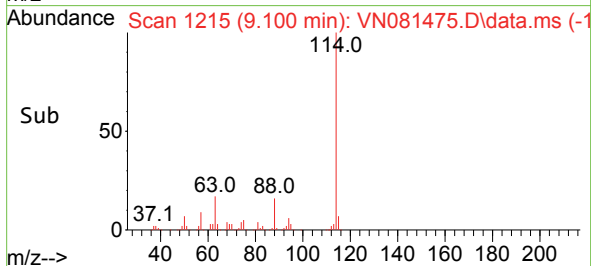
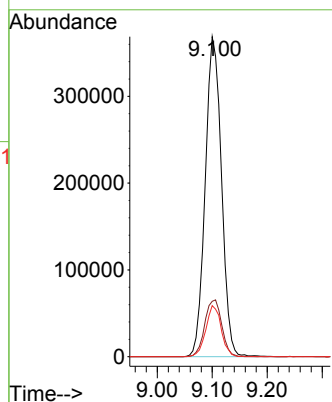
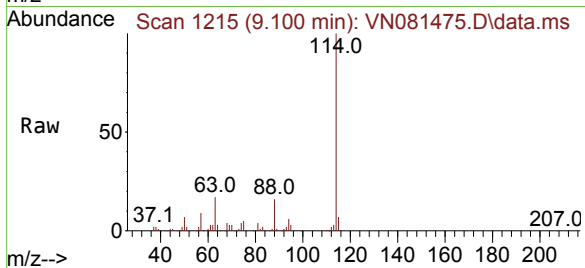
Tgt Ion:114 Resp: 756711

Ion Ratio Lower Upper

114 100

63 17.3 0.0 48.0

88 15.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.273 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081475.D

Acq: 19 Mar 2024 16:57

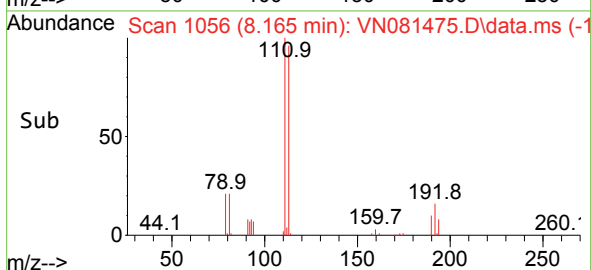
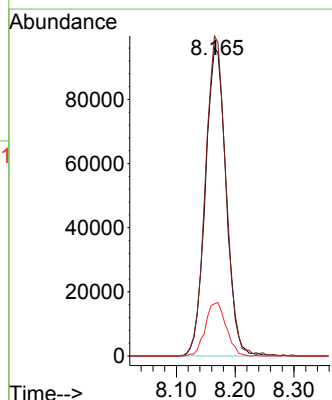
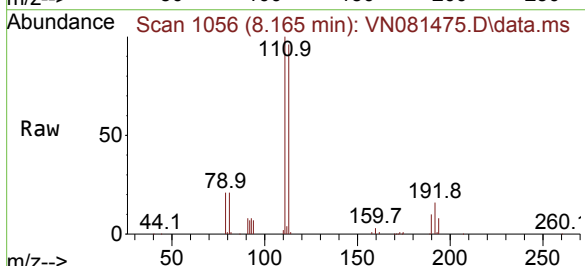
Tgt Ion:113 Resp: 235310

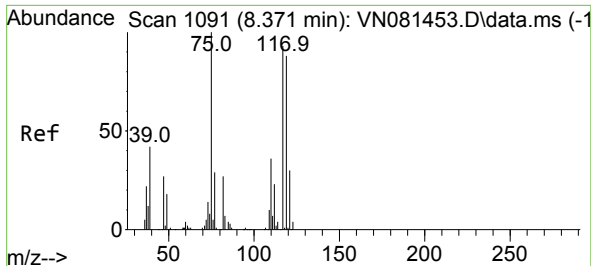
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 17.4 12.5 18.7

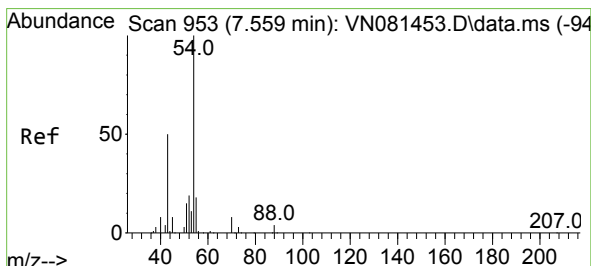
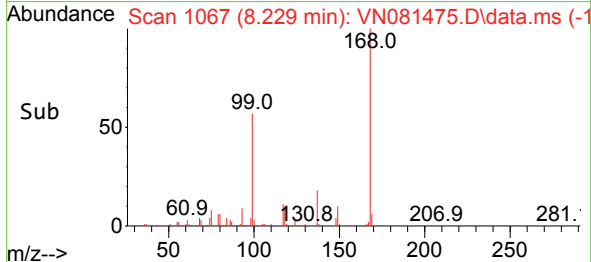
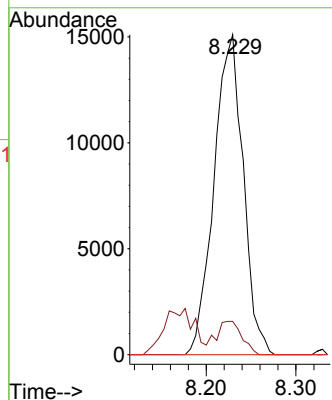
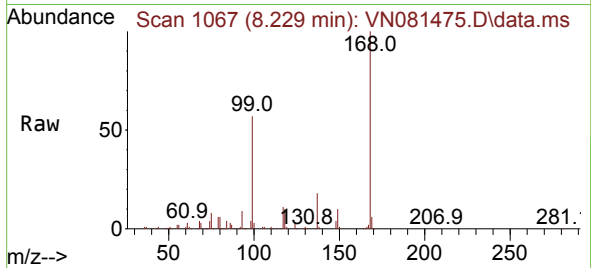




#36
1,1-Dichloropropene
Concen: 4.244 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

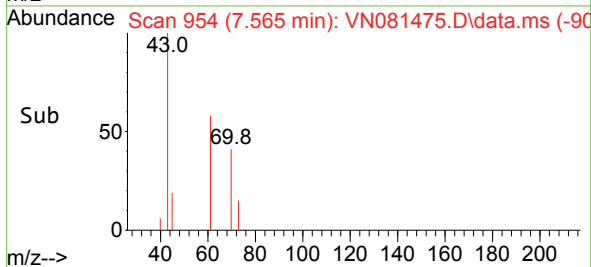
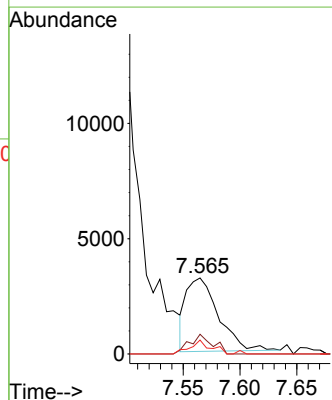
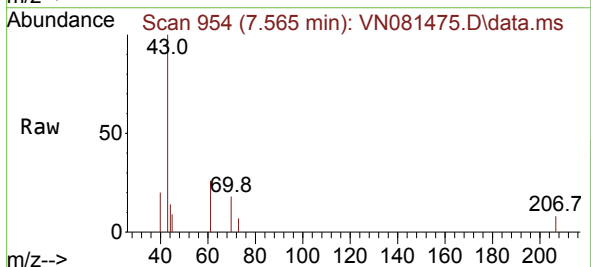
Instrument :
MSVOA_N
ClientSampleId :
WASTE-COMPOSITE

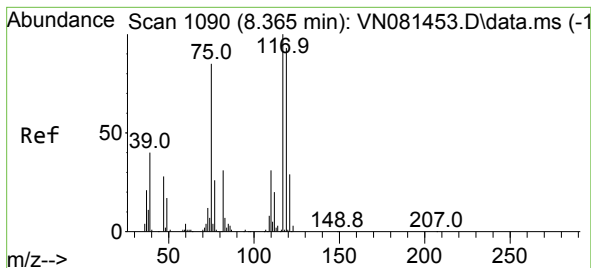
Tgt Ion: 75 Resp: 34105
Ion Ratio Lower Upper
75 100
110 9.2 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.909 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

Tgt Ion: 43 Resp: 6258
Ion Ratio Lower Upper
43 100
61 19.2 10.6 15.8#
70 12.0 8.0 12.0





#38

Carbon Tetrachloride

Concen: 5.236 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN081475.D

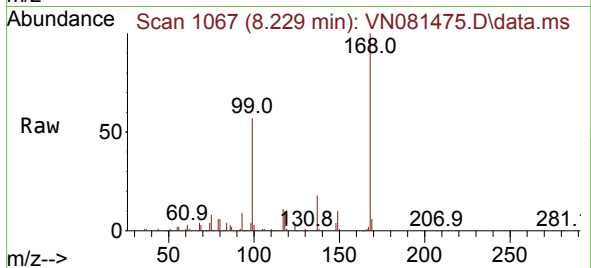
Acq: 19 Mar 2024 16:57

Instrument :

MSVOA_N

ClientSampleId :

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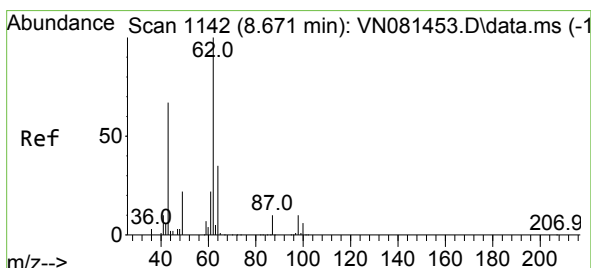
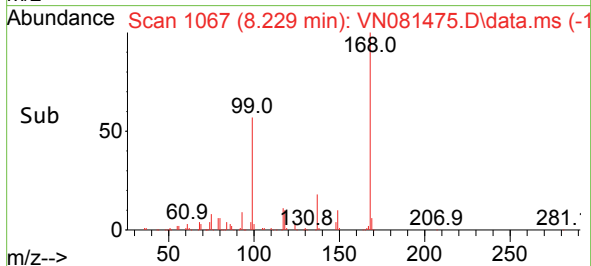
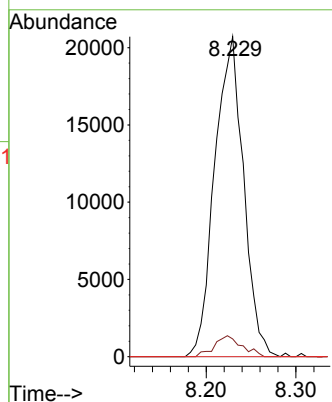
Tgt Ion:117 Resp: 46100

Ion Ratio Lower Upper

117 100

119 5.5 73.4 110.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.301 ug/l

RT: 8.676 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN081475.D

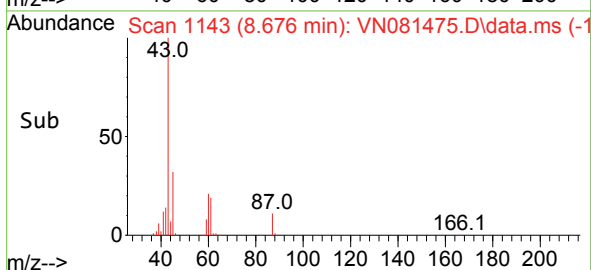
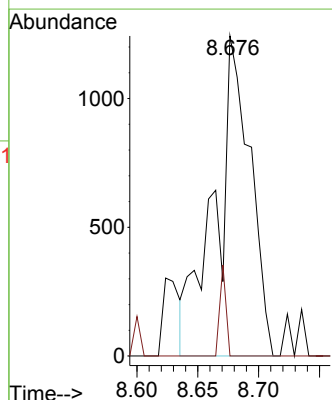
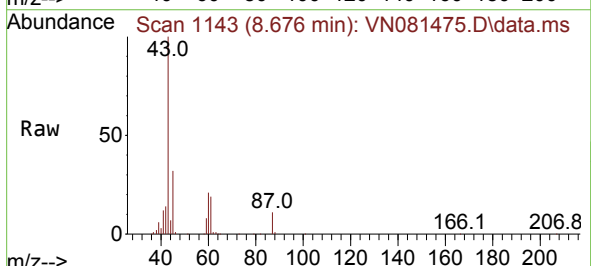
Acq: 19 Mar 2024 16:57

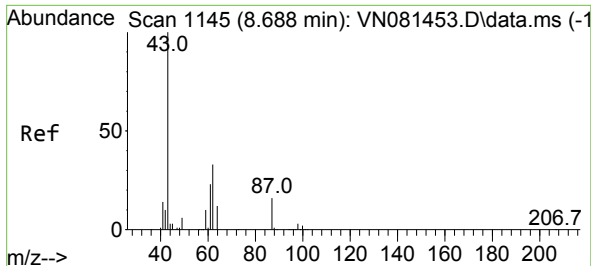
Tgt Ion: 62 Resp: 2486

Ion Ratio Lower Upper

62 100

98 5.0 0.0 18.0

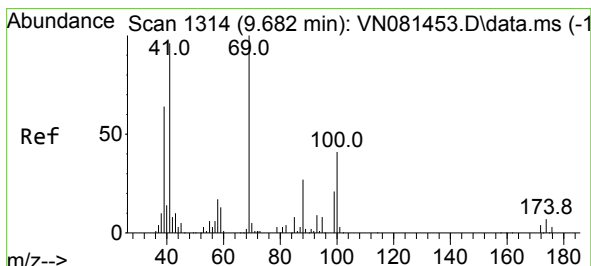
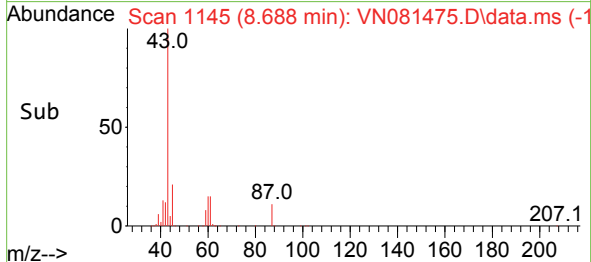
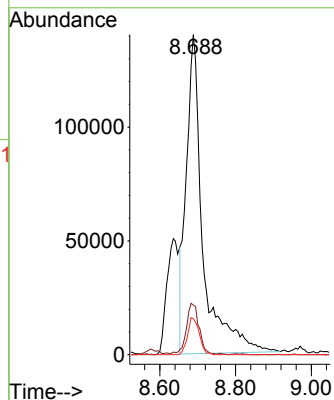
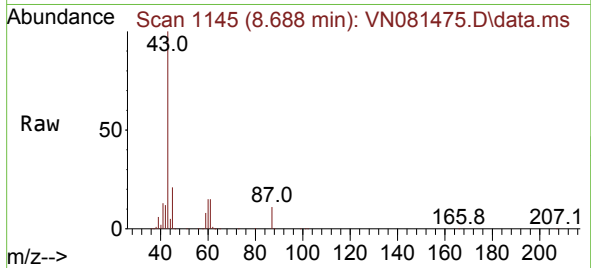




#43
Isopropyl Acetate
Concen: 37.529 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

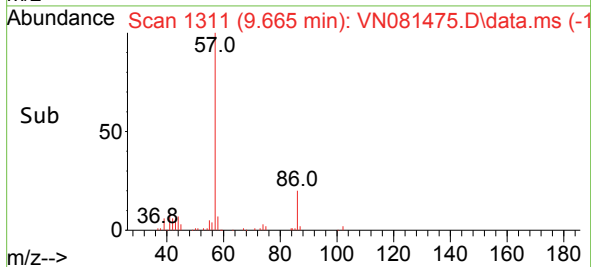
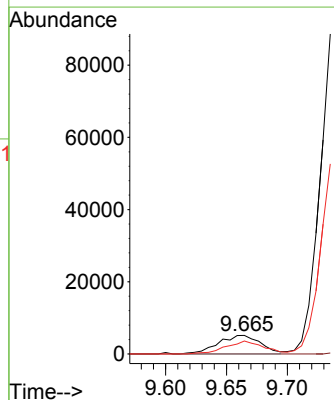
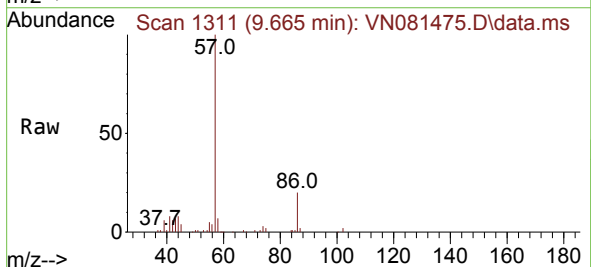
Instrument :
MSVOA_N
ClientSampleId :
WASTE-COMPOSITE

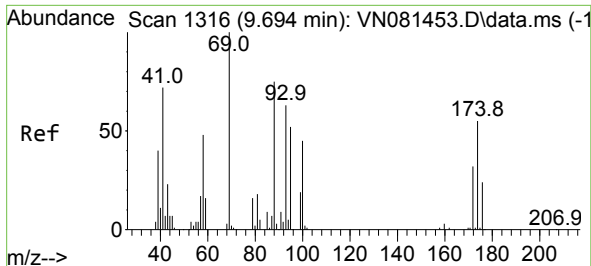
Tgt Ion: 43 Resp: 428109
Ion Ratio Lower Upper
43 100
61 12.1 19.9 29.9#
87 8.1 9.0 13.6#



#48
Methyl methacrylate
Concen: 2.376 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

Tgt Ion: 41 Resp: 12500
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 62.4 47.6 71.4





#49

1,4-Dioxane

Concen: 2.713 ug/l

RT: 9.747 min Scan# 1316

Delta R.T. 0.053 min

Lab File: VN081475.D

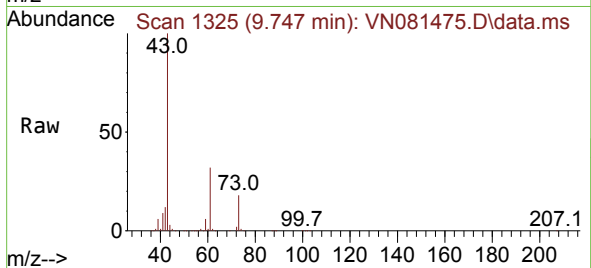
Acq: 19 Mar 2024 16:57

Instrument :

MSVOA_N

ClientSampleId :

WASTE-COMPOSITE



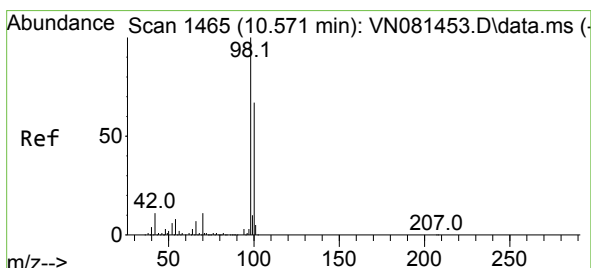
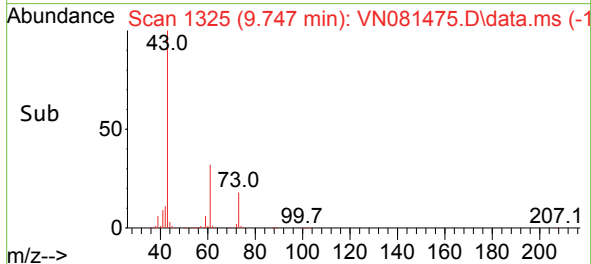
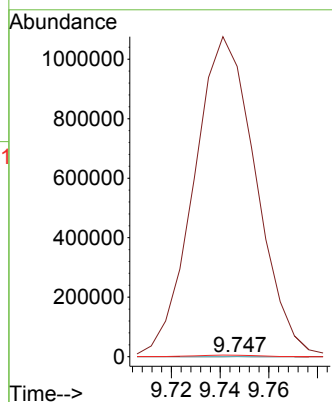
Tgt Ion: 88 Resp: 343

Ion Ratio Lower Upper

88 100

43 559495.6 30.1 45.1#

58 2633.8 63.9 95.9#



#50

Toluene-d8

Concen: 52.103 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081475.D

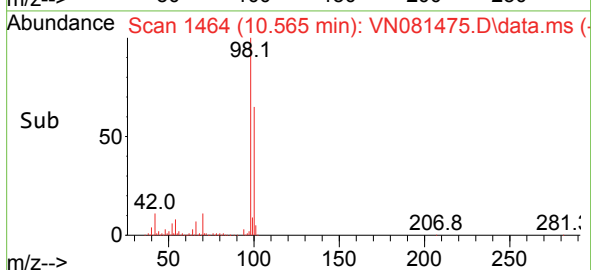
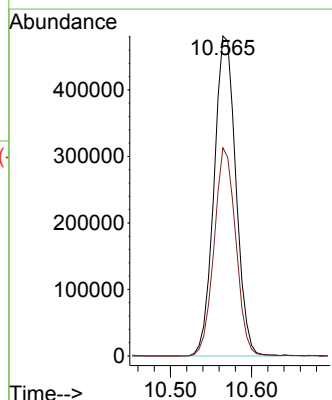
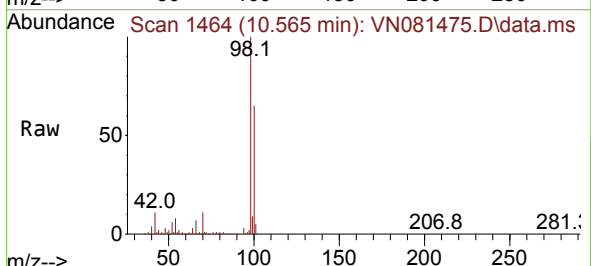
Acq: 19 Mar 2024 16:57

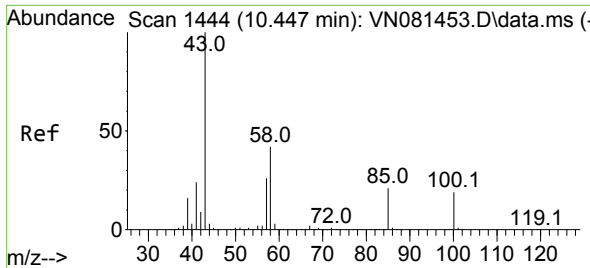
Tgt Ion: 98 Resp: 899466

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0

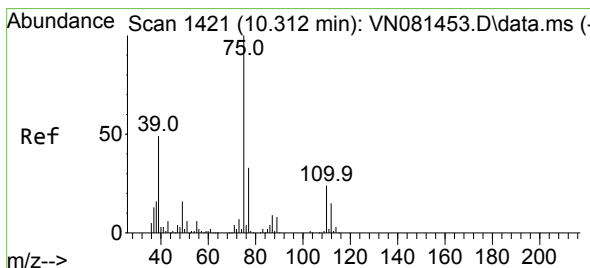
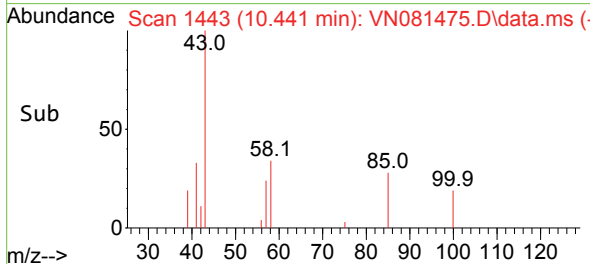
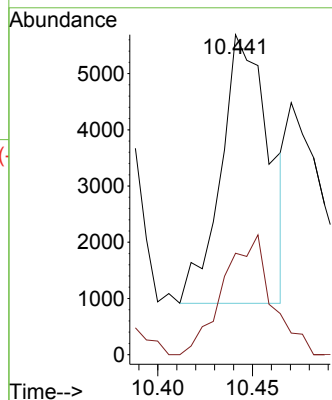
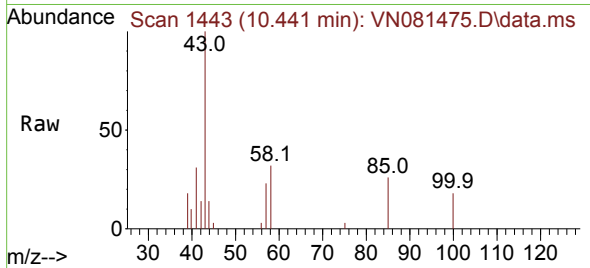




#51
4-Methyl-2-Pentanone
Concen: 1.217 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

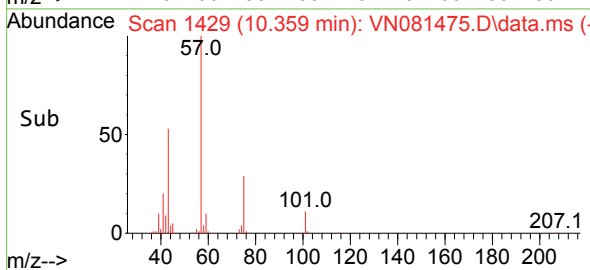
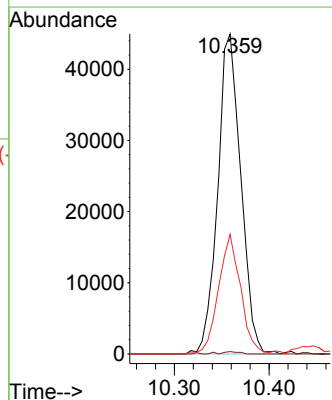
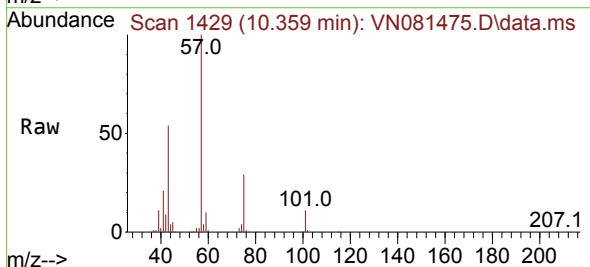
Instrument :
MSVOA_N
ClientSampleId :
WASTE-COMPOSITE

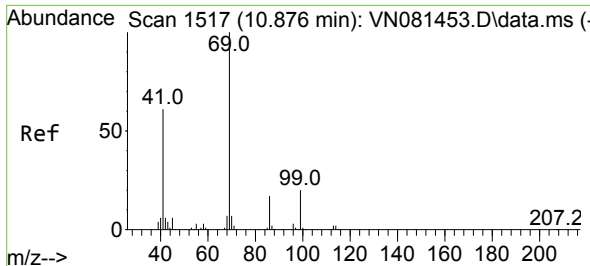
Tgt Ion: 43 Resp: 8469
Ion Ratio Lower Upper
43 100
58 44.6 29.4 44.0#



#54
cis-1,3-Dichloropropene
Concen: 7.789 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

Tgt Ion: 75 Resp: 76244
Ion Ratio Lower Upper
75 100
77 0.7 23.3 34.9#
39 37.3 44.6 66.8#

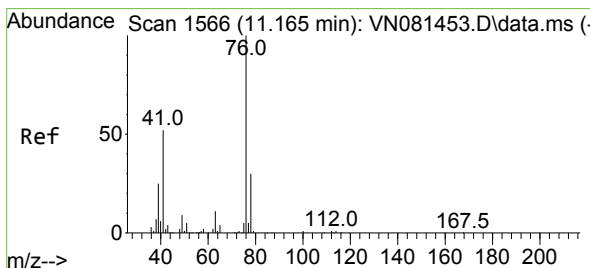
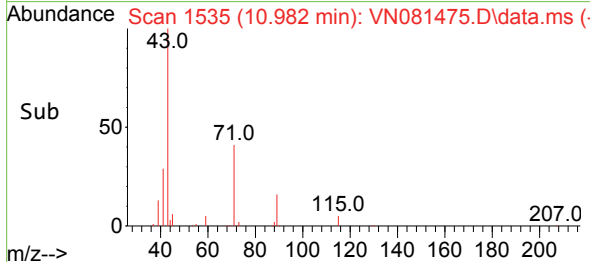
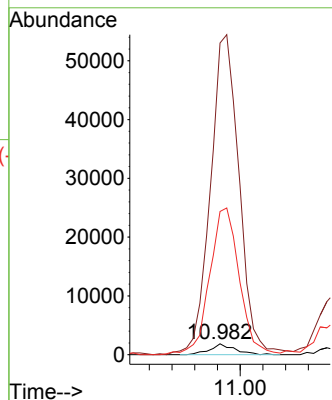
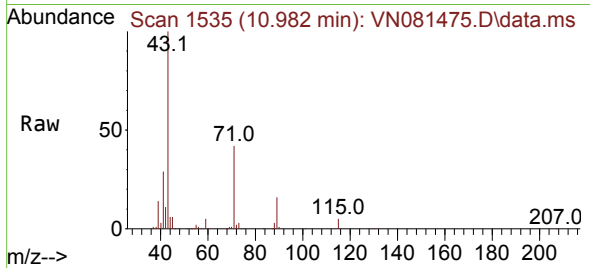




#56
Ethyl methacrylate
Concen: 0.914 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

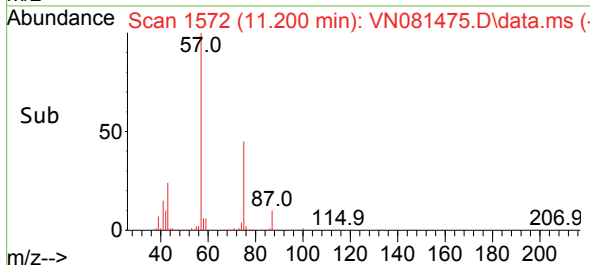
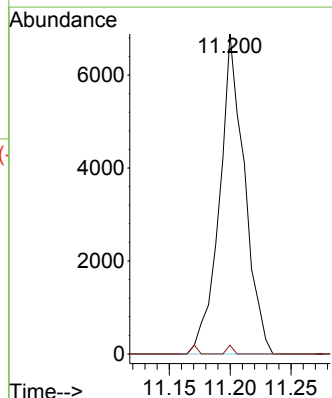
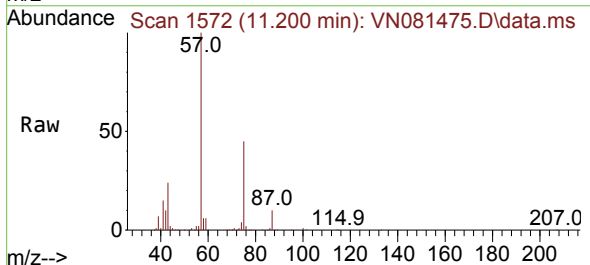
Instrument :
MSVOA_N
ClientSampleId :
WASTE-COMPOSITE

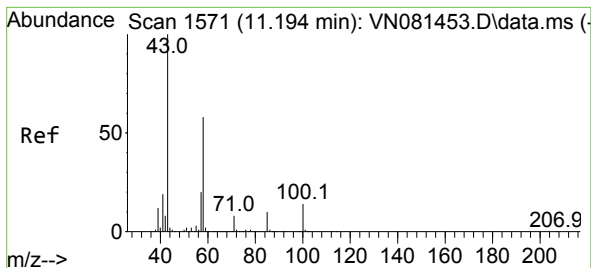
Tgt Ion: 69 Resp: 2801
Ion Ratio Lower Upper
69 100
41 3418.6 61.0 91.6#
39 1612.3 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 0.998 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

Tgt Ion: 76 Resp: 9832
Ion Ratio Lower Upper
76 100
78 0.7 25.5 38.3#

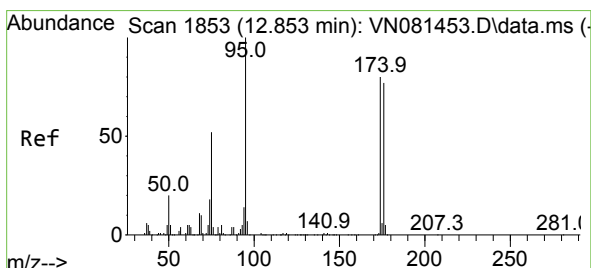
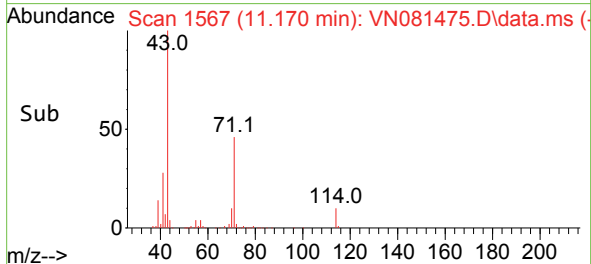
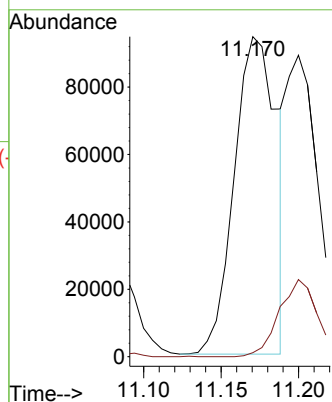
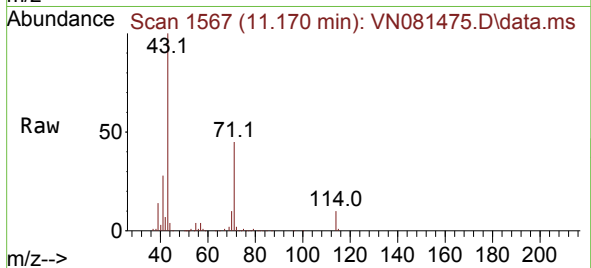




#59
2-Hexanone
Concen: 34.910 ug/l
RT: 11.170 min Scan# 11567
Delta R.T. -0.024 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

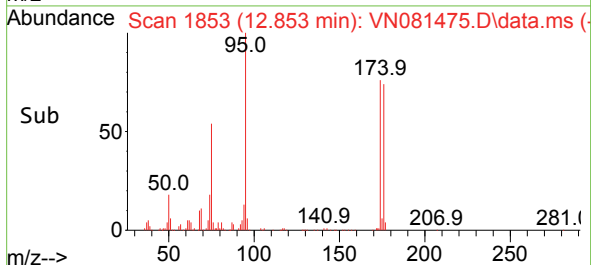
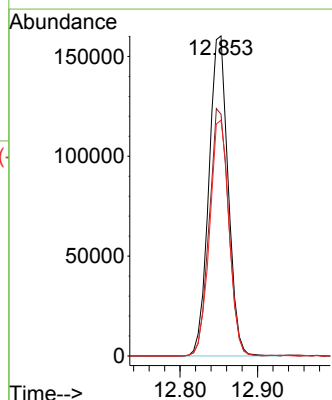
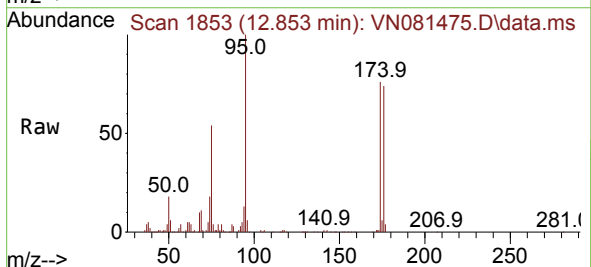
Instrument :
MSVOA_N
ClientSampleId :
WASTE-COMPOSITE

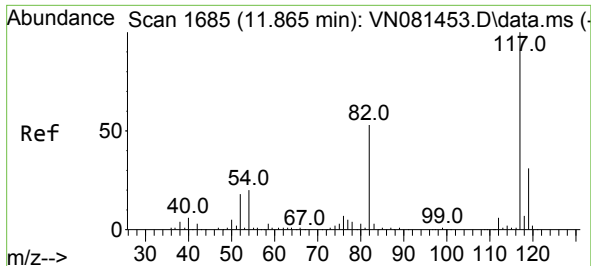
Tgt Ion: 43 Resp: 179662
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 45.420 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

Tgt Ion: 95 Resp: 276289
Ion Ratio Lower Upper
95 100
174 77.5 0.0 120.4
176 74.3 0.0 121.0

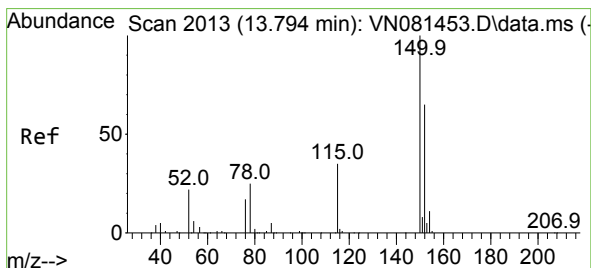
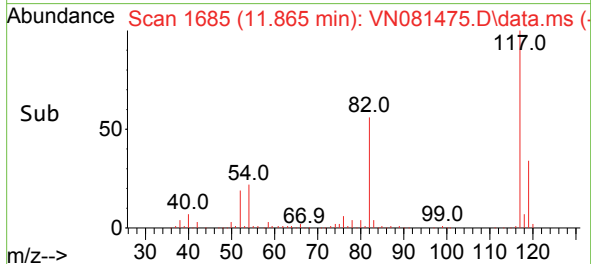
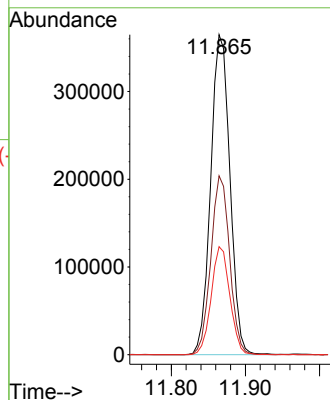
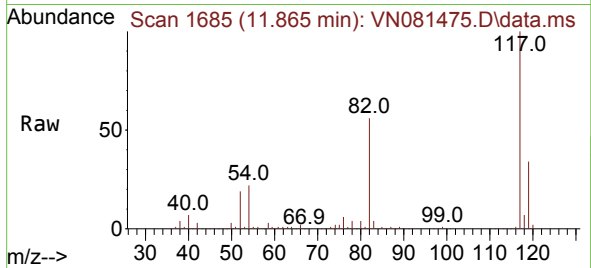




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

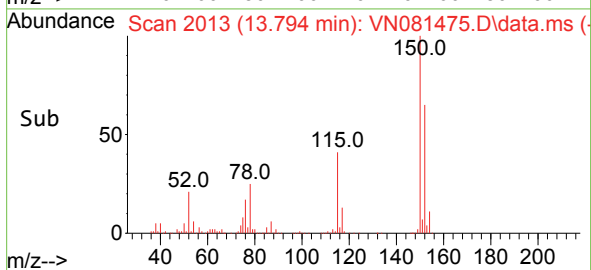
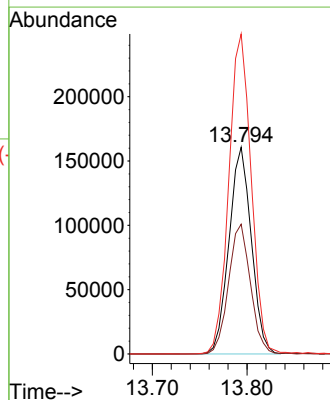
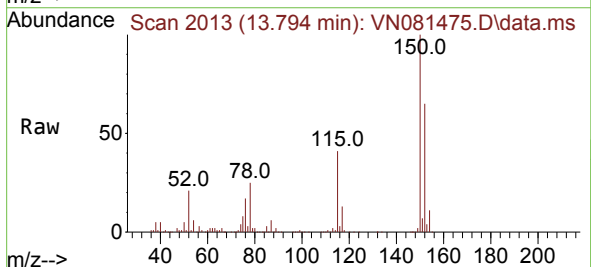
Instrument :
MSVOA_N
ClientSampleId :
WASTE-COMPOSITE

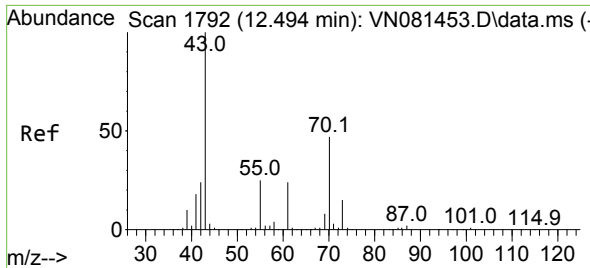
Tgt Ion:117 Resp: 657317
Ion Ratio Lower Upper
117 100
82 55.9 52.7 79.1
119 33.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

Tgt Ion:152 Resp: 263297
Ion Ratio Lower Upper
152 100
115 61.7 32.3 96.8
150 155.7 0.0 339.8

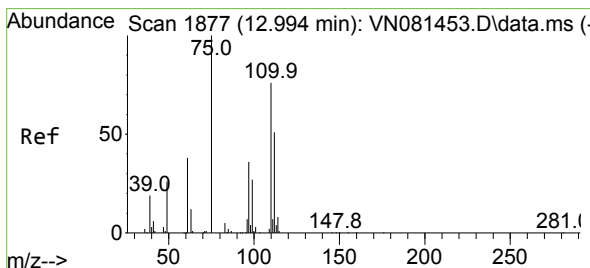
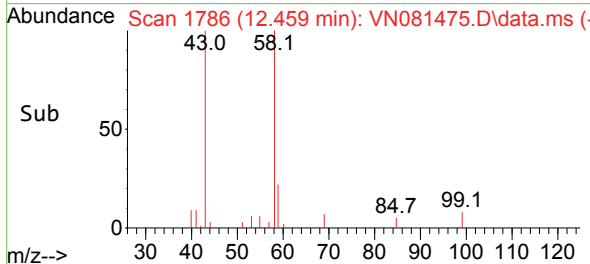
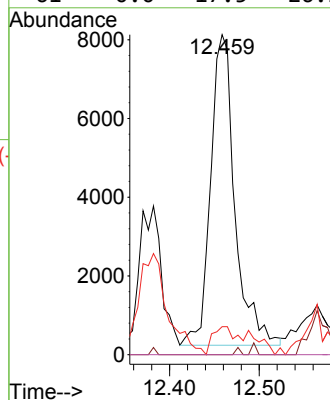
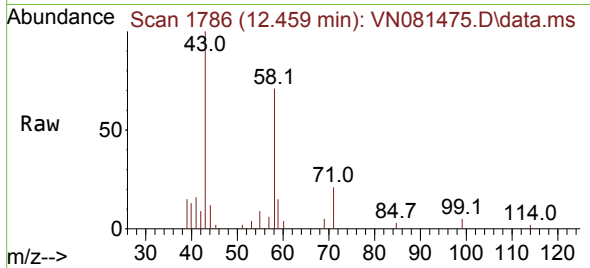




#74
N-amy1 acetate
Concen: 1.830 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

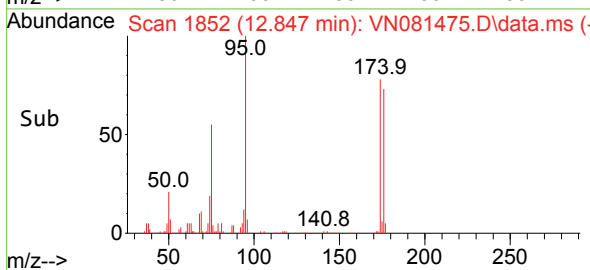
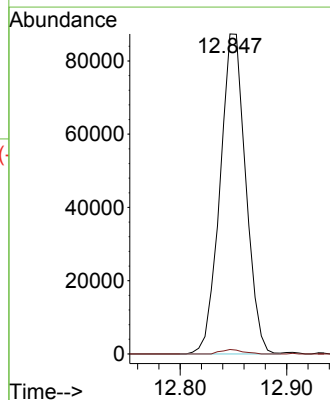
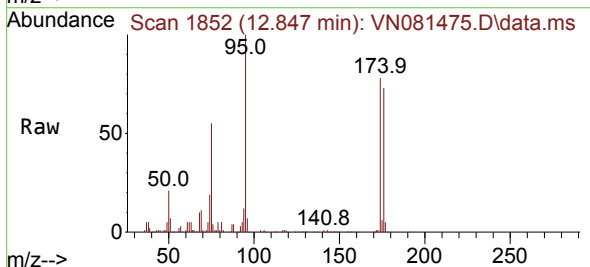
Instrument :
MSVOA_N
ClientSampleId :
WASTE-COMPOSITE

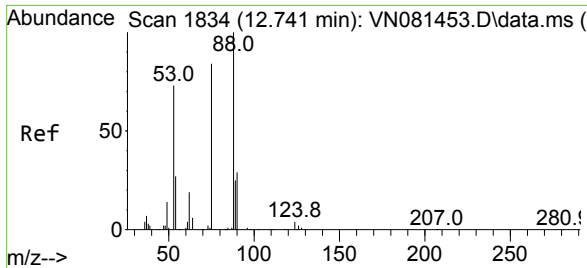
Tgt Ion: 43	Resp: 14860
Ion Ratio	Lower Upper
43	100
70	0.0 30.1 45.1#
55	9.0 17.0 25.4#
61	0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 23.251 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081475.D
Acq: 19 Mar 2024 16:57

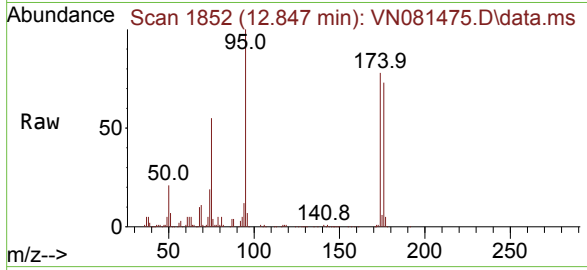
Tgt Ion: 75	Resp: 146442
Ion Ratio	Lower Upper
75	100
77	1.2 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.833 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081475.D
 Acq: 19 Mar 2024 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-COMPOSITE



Tgt Ion: 75 Resp: 146442
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.4 107.2#
 89 0.1 33.4 50.0#

