

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031924\
 Data File : VN081479.D
 Acq On : 19 Mar 2024 18:32
 Operator : JC\MD
 Sample : P1616-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 196-BAY-AVENUE

Quant Time: Mar 20 01:22:12 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)

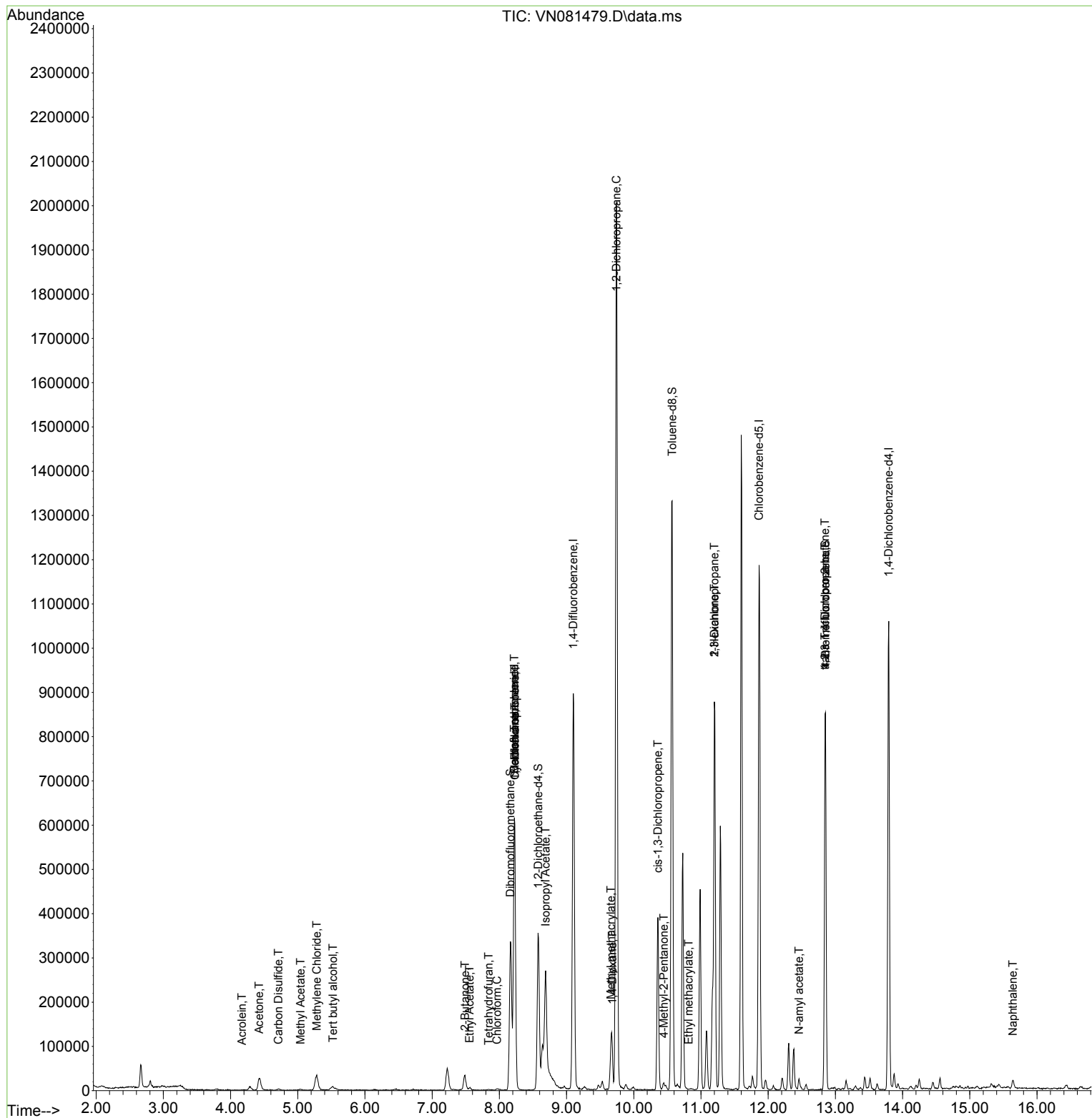
Internal Standards						
1) Pentafluorobenzene	8.224	168	442829	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	798892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	719604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	286091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	286737	50.775	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.540%			
35) Dibromofluoromethane	8.165	113	243204	48.237	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.480%			
50) Toluene-d8	10.571	98	948139	52.022	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.040%			
62) 4-Bromofluorobenzene	12.853	95	295116	45.954	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.900%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	12113	12.308	ug/l	# 94
13) Acrolein	4.171	56	528	0.598	ug/l	# 51
16) Acetone	4.424	43	50982	27.935	ug/l	95
17) Carbon Disulfide	4.712	76	3138	0.209	ug/l	# 78
18) Methyl Acetate	5.042	43	3642	0.647	ug/l	# 67
20) Methylene Chloride	5.283	84	27488	4.598	ug/l	# 88
25) 2-Butanone	7.488	43	51720	16.522	ug/l	93
29) Tetrahydrofuran	7.841	42	1684	0.799	ug/l	# 46
30) Chloroform	7.965	83	2760	0.253	ug/l	# 82
31) Cyclohexane	8.230	56	9594	1.044	ug/l	# 10
36) 1,1-Dichloropropene	8.230	75	36896	4.348	ug/l	# 50
37) Ethyl Acetate	7.559	43	6704	0.923	ug/l	# 94
38) Carbon Tetrachloride	8.224	117	48917	5.263	ug/l	# 19
43) Isopropyl Acetate	8.688	43	396411	32.915	ug/l	# 80
45) 1,2-Dichloropropane	9.741	63	2990	0.497	ug/l	# 42
48) Methyl methacrylate	9.659	41	13891	2.501	ug/l	# 49
49) 1,4-Dioxane	9.682	88	87	0.652	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.447	43	9774	1.330	ug/l	# 86
54) cis-1,3-Dichloropropene	10.359	75	74307	7.190	ug/l	# 63
56) Ethyl methacrylate	10.818	69	87	0.580	ug/l	# 20
57) 1,3-Dichloropropane	11.200	76	8796	0.846	ug/l	# 43
59) 2-Hexanone	11.200	43	124491	22.913	ug/l	73
74) N-amyl acetate	12.459	43	15887	1.800	ug/l	# 53
76) 1,2,3-Trichloropropane	12.847	75	158536	23.166	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	158536	62.602	ug/l	# 14
95) Naphthalene	15.641	128	14995	0.751	ug/l	# 92

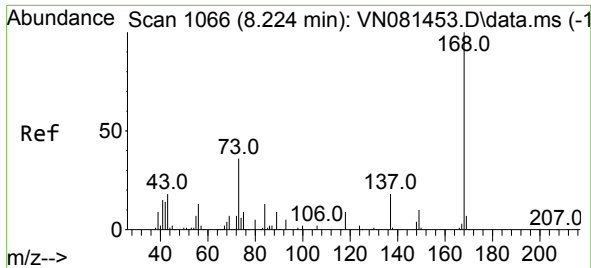
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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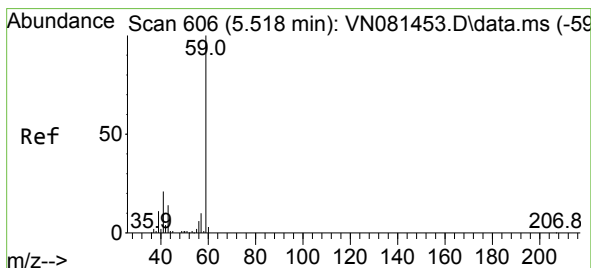
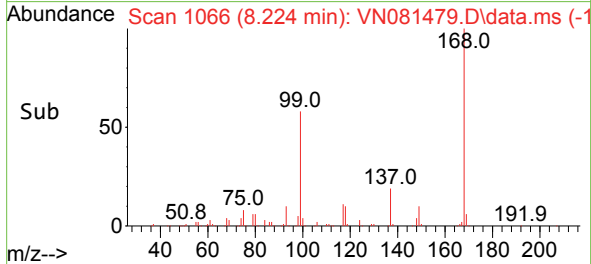
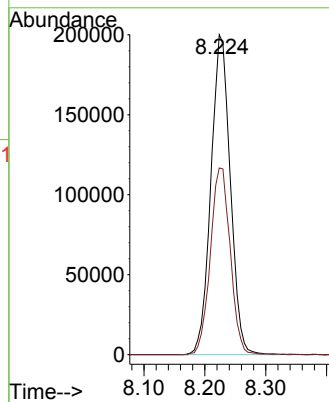
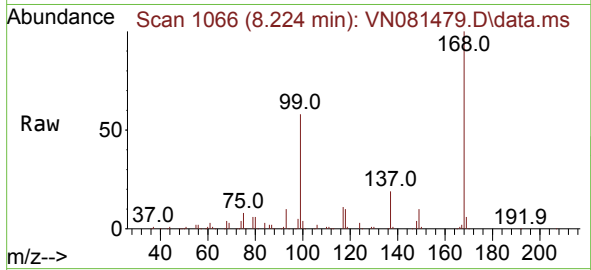




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

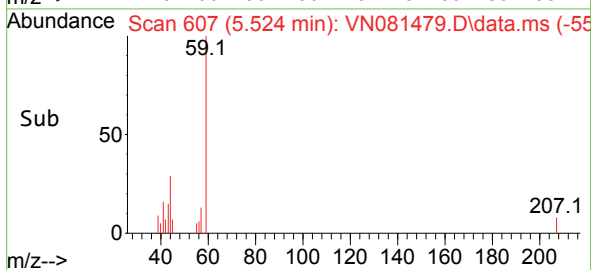
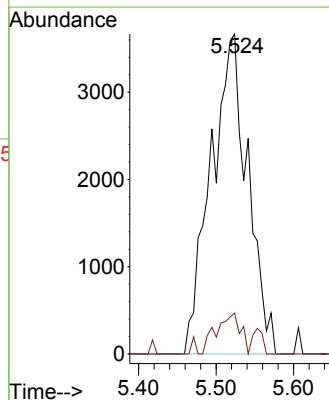
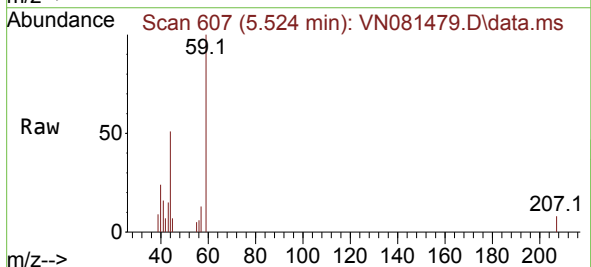
Instrument :
MSVOA_N
ClientSampleId :
196-BAY-AVENUE

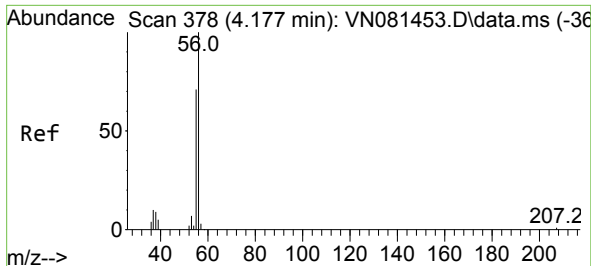
Tgt Ion:168 Resp: 442829
Ion Ratio Lower Upper
168 100
99 58.4 59.9 89.9#



#11
Tert butyl alcohol
Concen: 12.308 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion: 59 Resp: 12113
Ion Ratio Lower Upper
59 100
57 8.4 8.6 12.8#

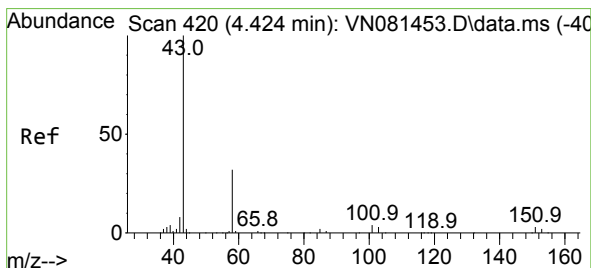
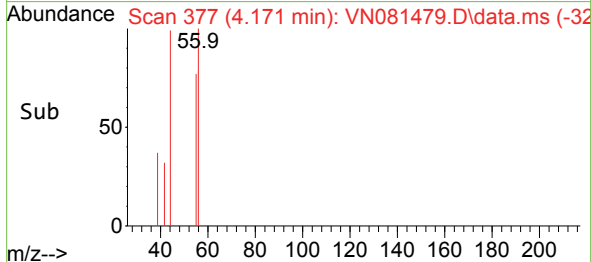
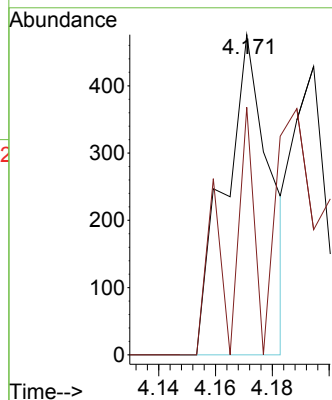
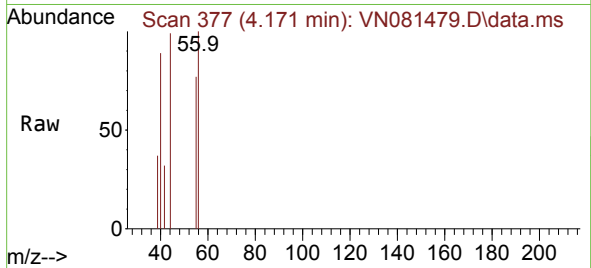




#13
Acrolein
Concen: 0.598 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

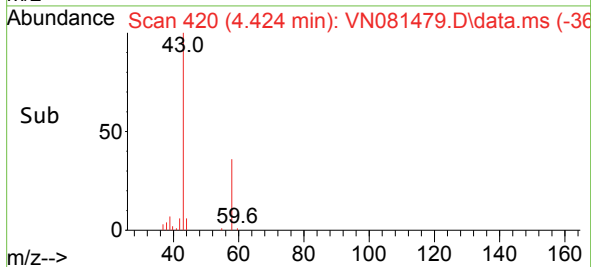
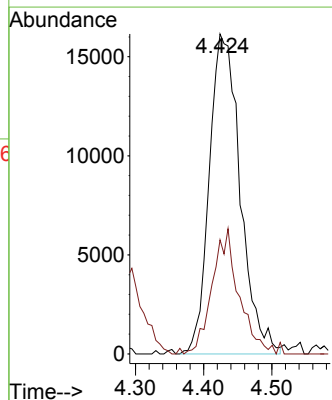
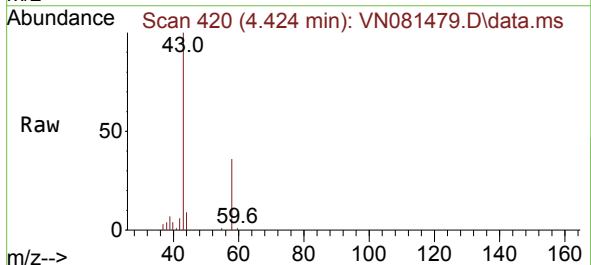
Instrument :
MSVOA_N
ClientSampleId :
196-BAY-AVENUE

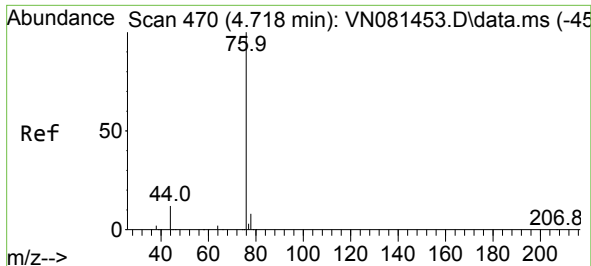
Tgt Ion: 56 Resp: 528
Ion Ratio Lower Upper
56 100
55 109.1 55.3 82.9#



#16
Acetone
Concen: 27.935 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion: 43 Resp: 50982
Ion Ratio Lower Upper
43 100
58 33.9 24.8 37.2

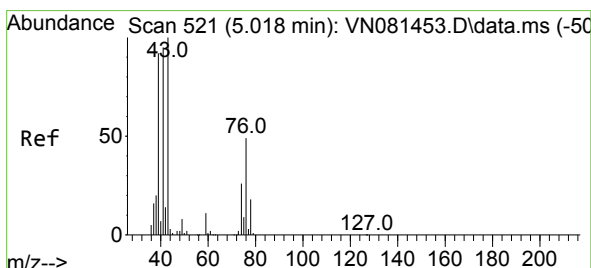
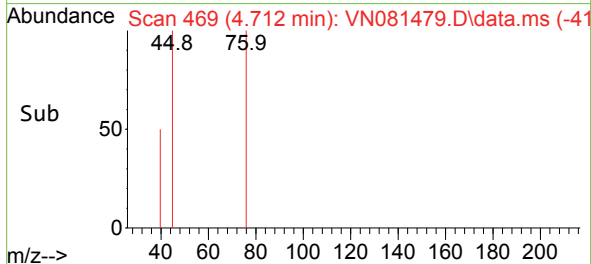
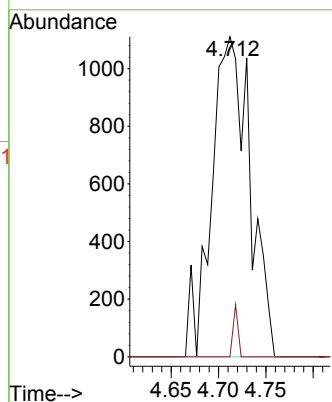
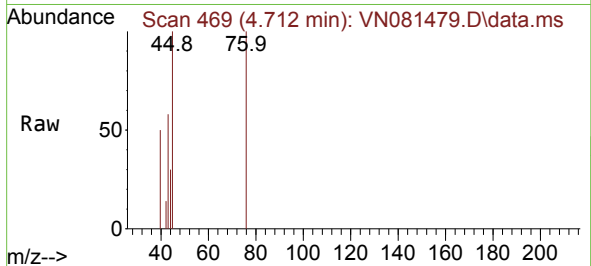




#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

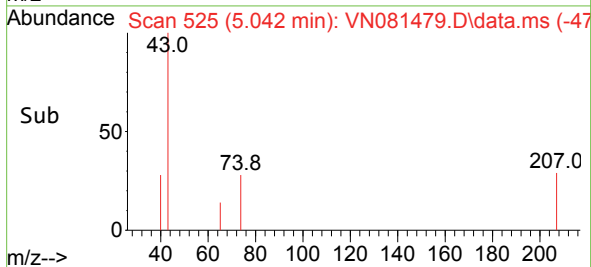
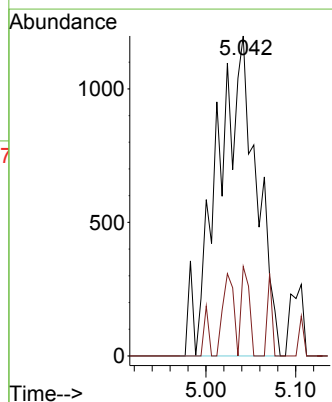
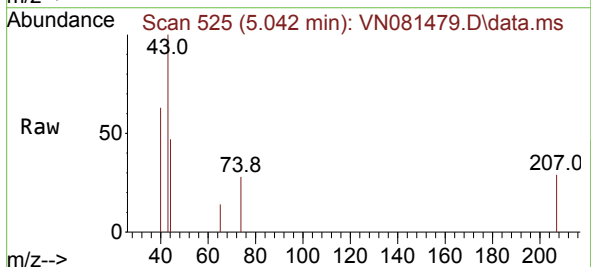
Instrument :
MSVOA_N
ClientSampleId :
196-BAY-AVENUE

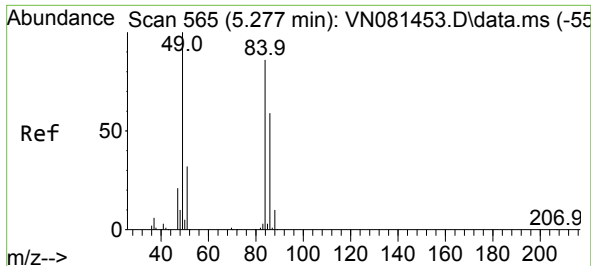
Tgt Ion: 76 Resp: 3138
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#18
Methyl Acetate
Concen: 0.647 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.024 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion: 43 Resp: 3642
Ion Ratio Lower Upper
43 100
74 5.8 17.3 25.9#

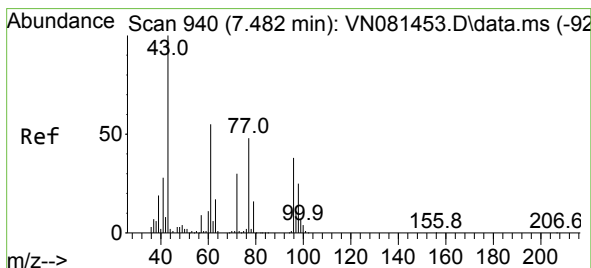
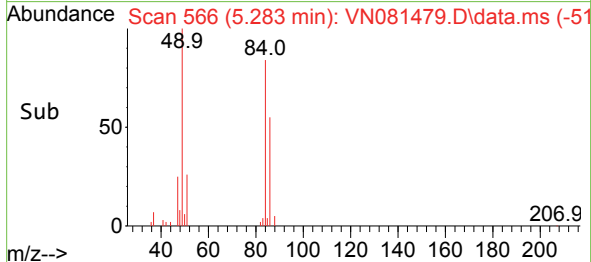
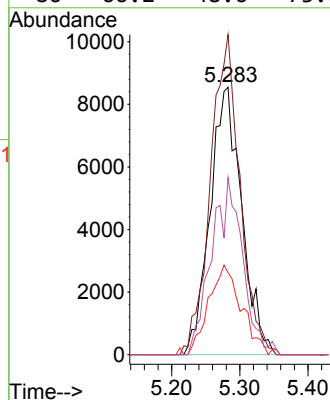
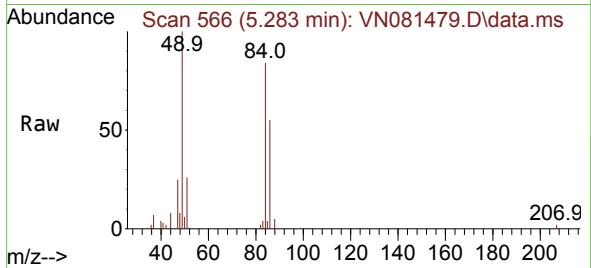




#20
Methylene Chloride
Concen: 4.598 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

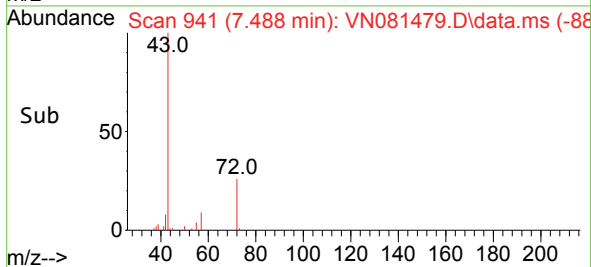
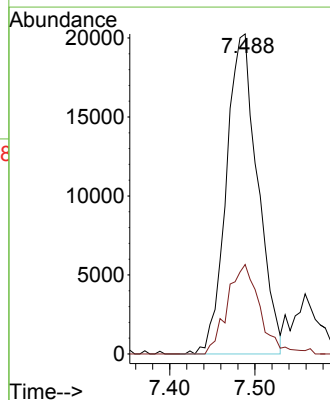
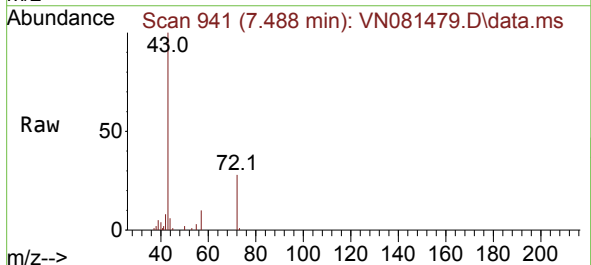
Instrument :
MSVOA_N
ClientSampleId :
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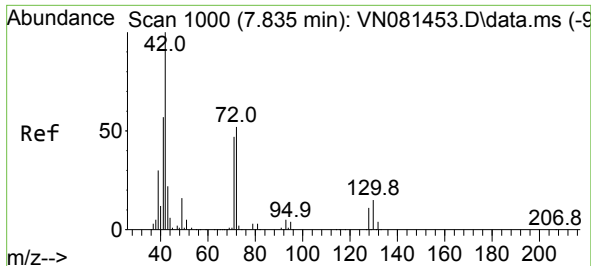
Tgt Ion:	84	Resp:	27488
Ion	Ratio	Lower	Upper
84	100		
49	119.6	108.1	162.1
51	30.7	32.9	49.3#
86	66.2	48.6	73.0



#25
2-Butanone
Concen: 16.522 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion:	43	Resp:	51720
Ion	Ratio	Lower	Upper
43	100		
72	28.0	19.5	29.3





#29

Tetrahydrofuran

Concen: 0.799 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN081479.D

Acq: 19 Mar 2024 18:32

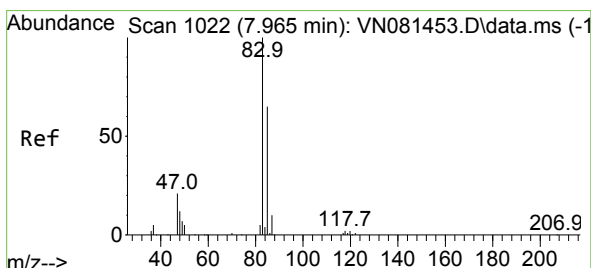
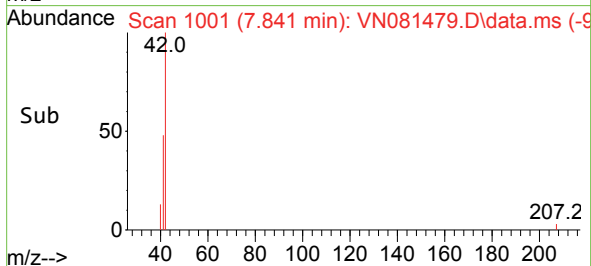
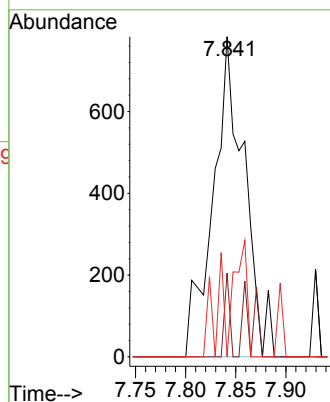
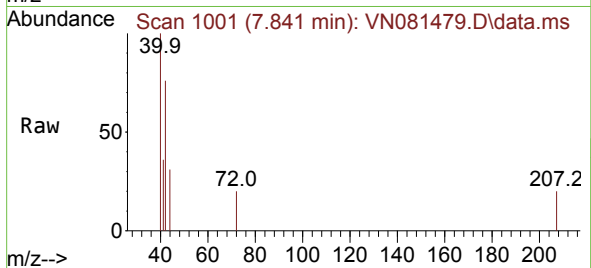
Instrument :

MSVOA_N

ClientSampleId :

196-BAY-AVENUE

Tgt Ion: 42	Resp: 1684
Ion Ratio	Lower Upper
42	100
72	4.3 31.1 46.7#
71	5.3 28.3 42.5#



#30

Chloroform

Concen: 0.253 ug/l

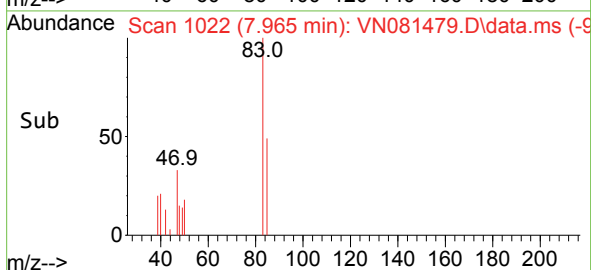
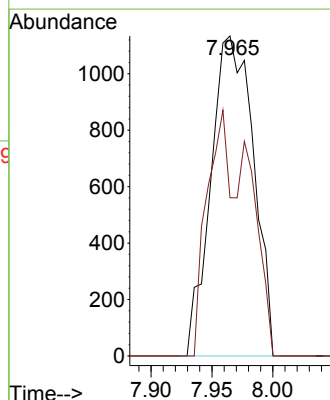
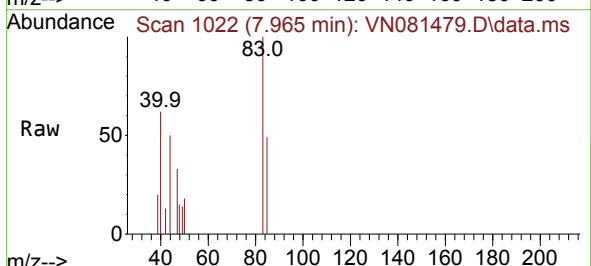
RT: 7.965 min Scan# 1022

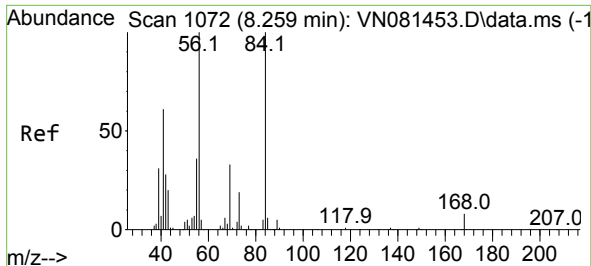
Delta R.T. 0.000 min

Lab File: VN081479.D

Acq: 19 Mar 2024 18:32

Tgt Ion: 83	Resp: 2760
Ion Ratio	Lower Upper
83	100
85	49.5 51.0 76.6#

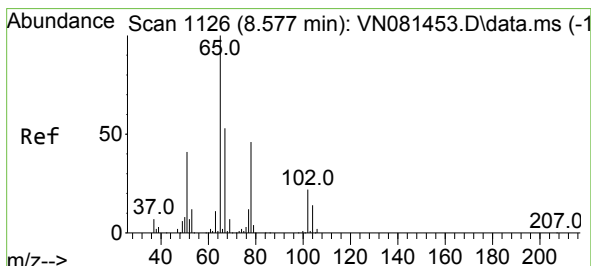
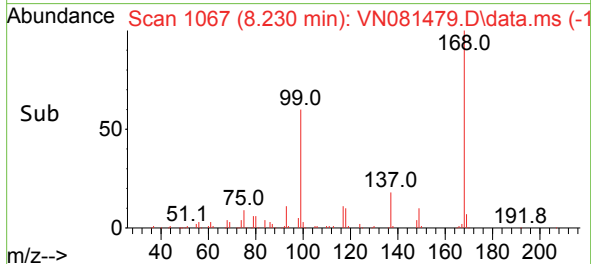
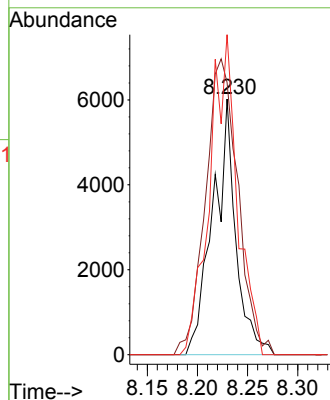
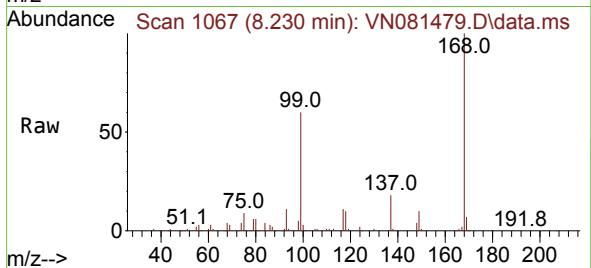




#31
Cyclohexane
Concen: 1.044 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

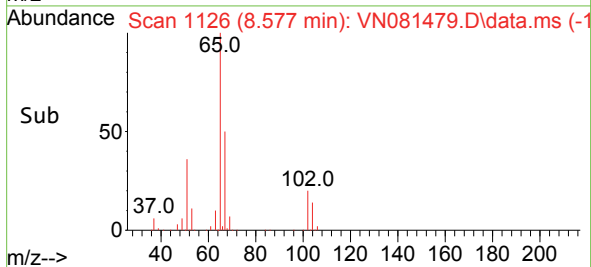
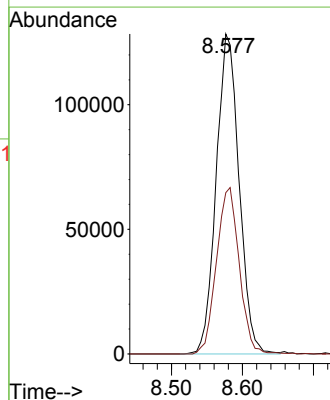
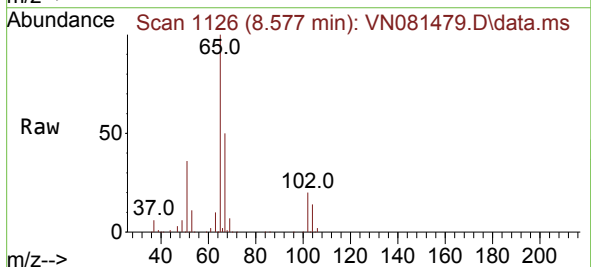
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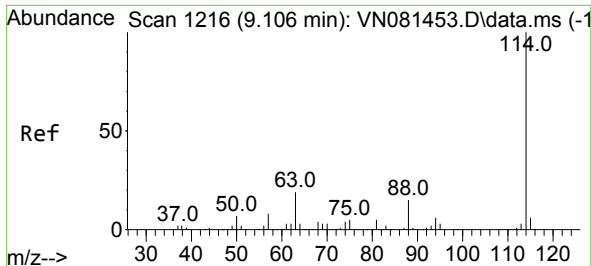
Tgt Ion:	56	Resp:	9594
Ion	Ratio	Lower	Upper
56	100		
69	106.4	20.1	30.1#
84	125.1	56.9	85.3#



#33
1,2-Dichloroethane-d4
Concen: 50.775 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion:	65	Resp:	286737
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081479.D

Acq: 19 Mar 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

196-BAY-AVENUE

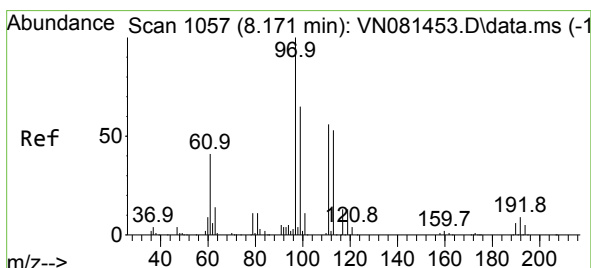
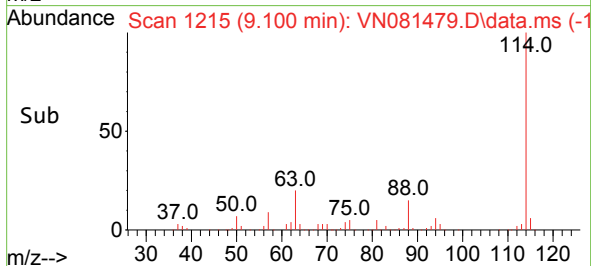
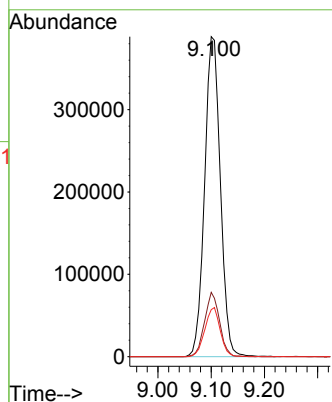
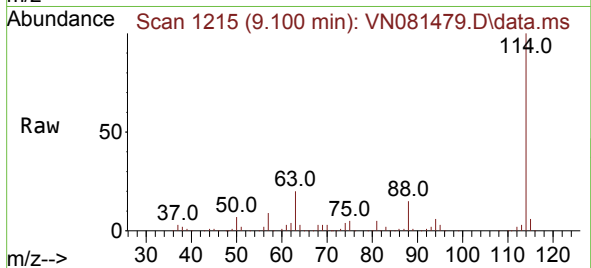
Tgt Ion:114 Resp: 798892

Ion Ratio Lower Upper

114 100

63 20.1 0.0 48.0

88 14.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.237 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081479.D

Acq: 19 Mar 2024 18:32

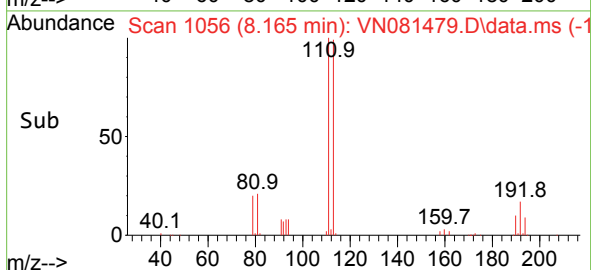
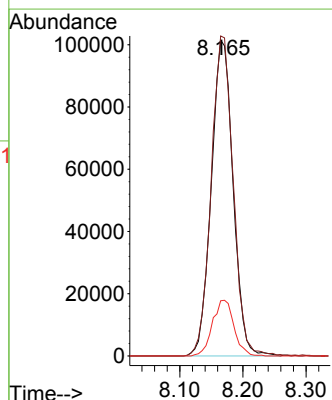
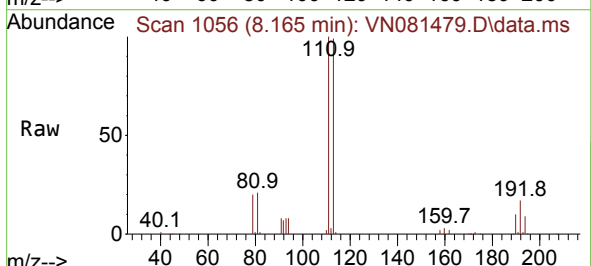
Tgt Ion:113 Resp: 243204

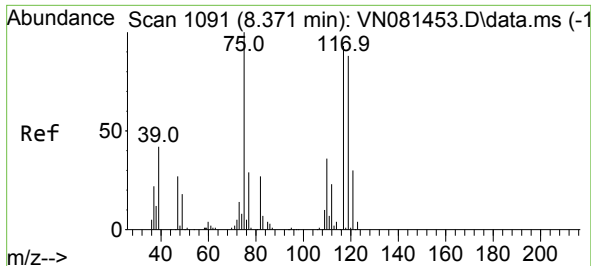
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 17.5 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.348 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081479.D

Acq: 19 Mar 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

196-BAY-AVENUE

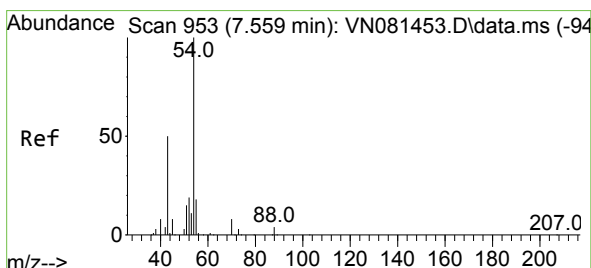
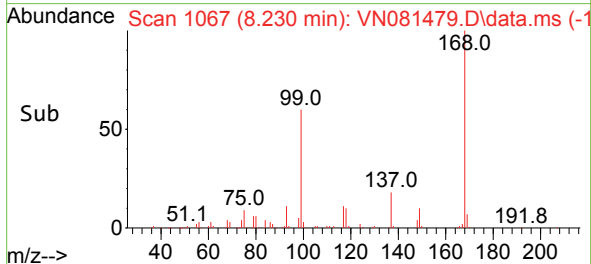
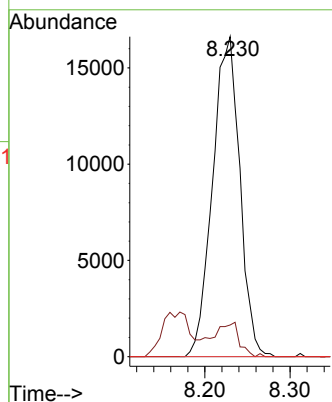
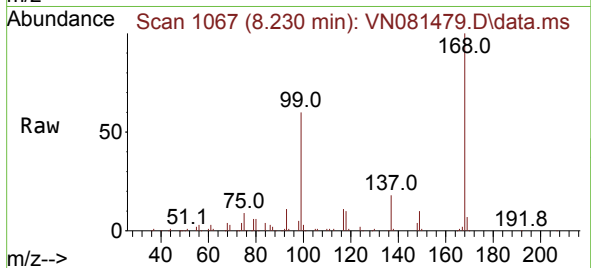
Tgt Ion: 75 Resp: 36896

Ion Ratio Lower Upper

75 100

110 8.5 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 0.923 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN081479.D

Acq: 19 Mar 2024 18:32

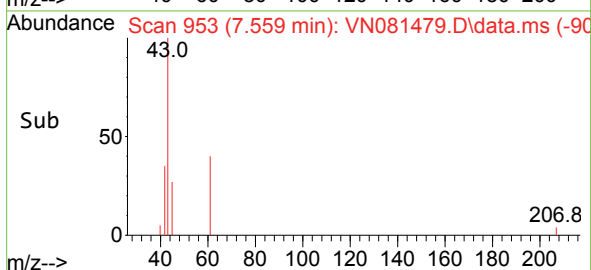
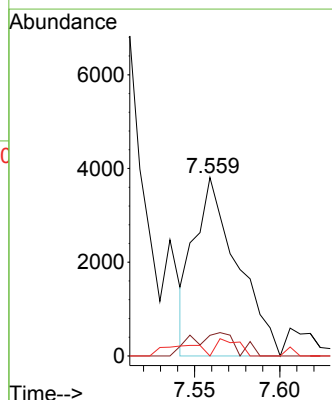
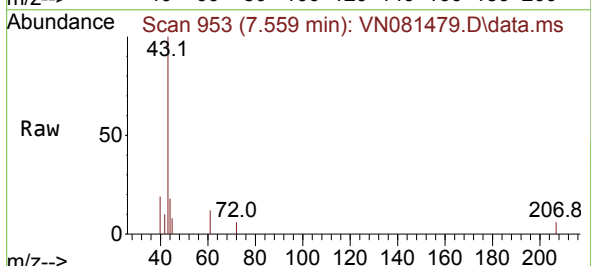
Tgt Ion: 43 Resp: 6704

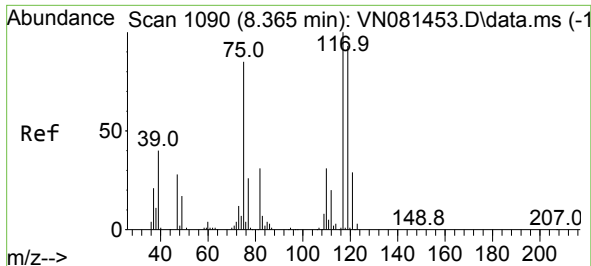
Ion Ratio Lower Upper

43 100

61 13.5 10.6 15.8

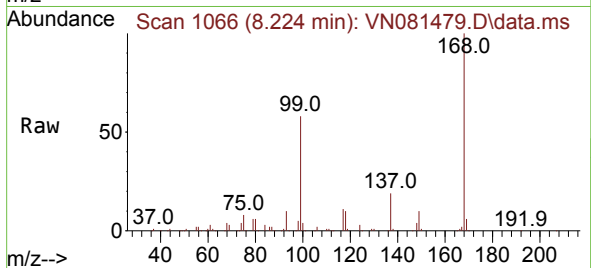
70 5.0 8.0 12.0#



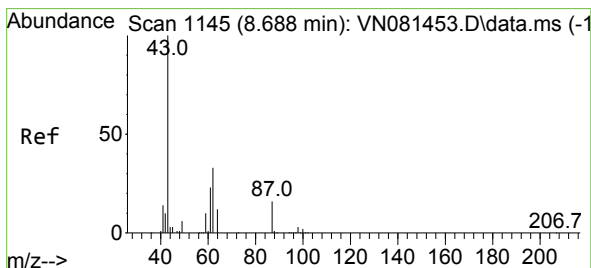
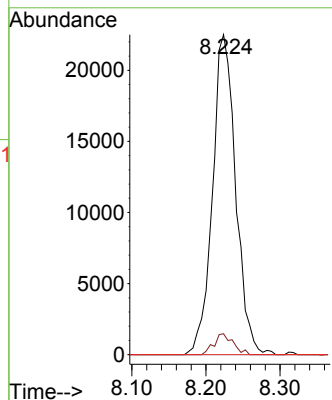
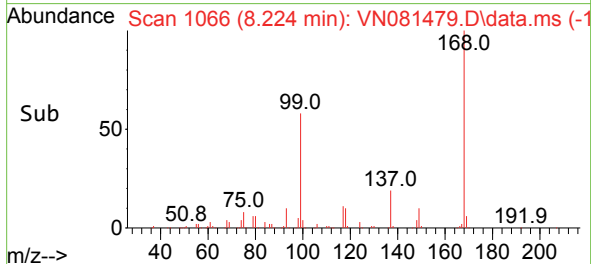


#38
Carbon Tetrachloride
Concen: 5.263 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Instrument :
MSVOA_N
ClientSampleId :
196-BAY-AVENUE

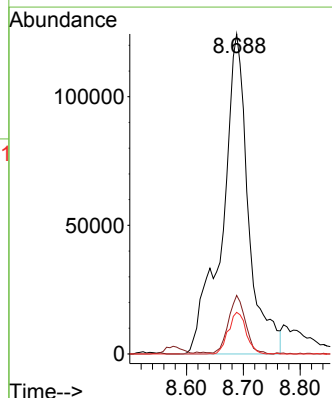
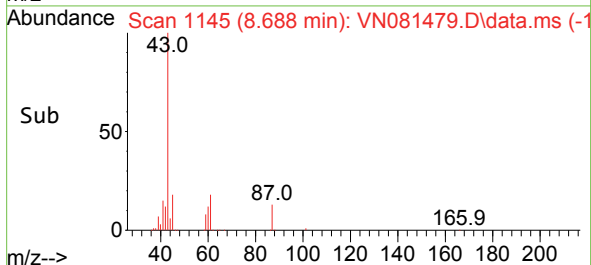
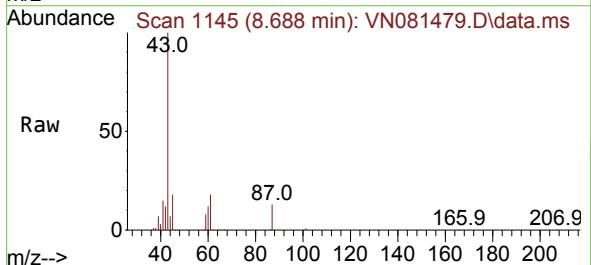


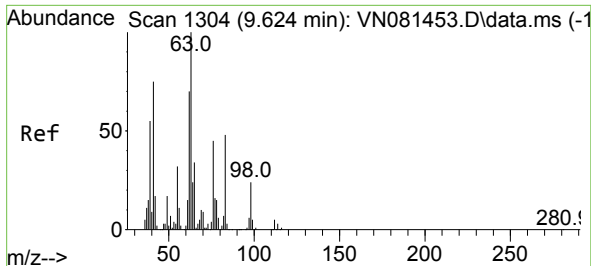
Tgt Ion:117 Resp: 48917
Ion Ratio Lower Upper
117 100
119 6.5 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 32.915 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion: 43 Resp: 396411
Ion Ratio Lower Upper
43 100
61 12.0 19.9 29.9#
87 8.9 9.0 13.6#





#45

1,2-Dichloropropane

Concen: 0.497 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN081479.D

Acq: 19 Mar 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

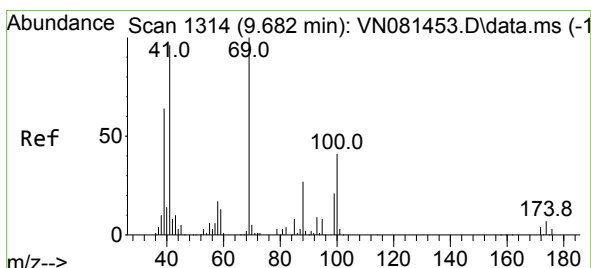
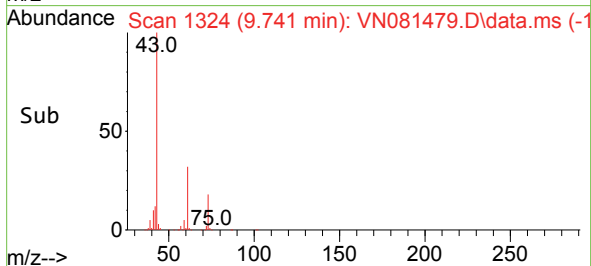
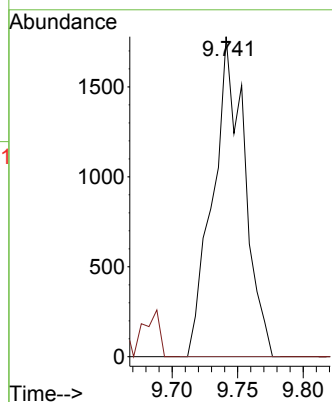
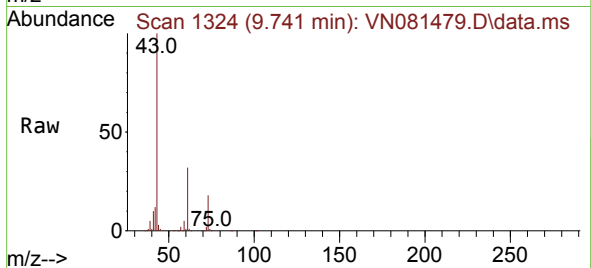
196-BAY-AVENUE

Tgt Ion: 63 Resp: 2990

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 2.501 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN081479.D

Acq: 19 Mar 2024 18:32

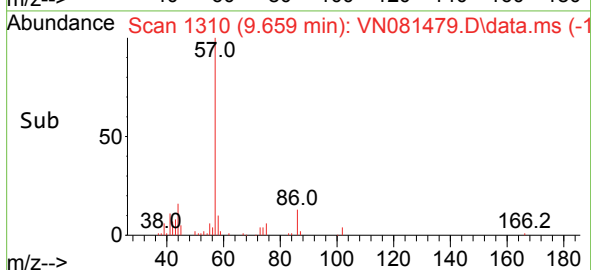
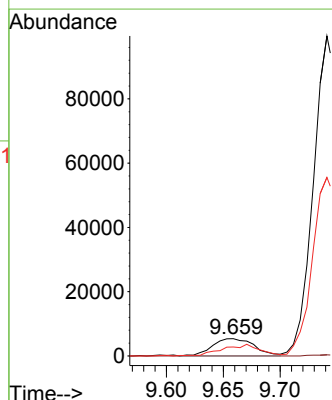
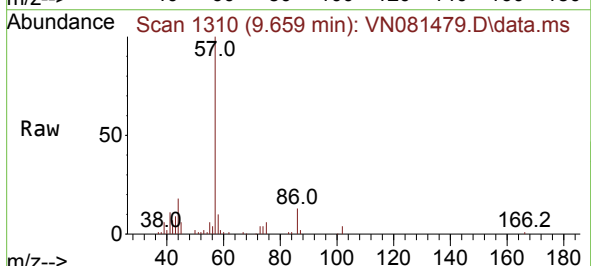
Tgt Ion: 41 Resp: 13891

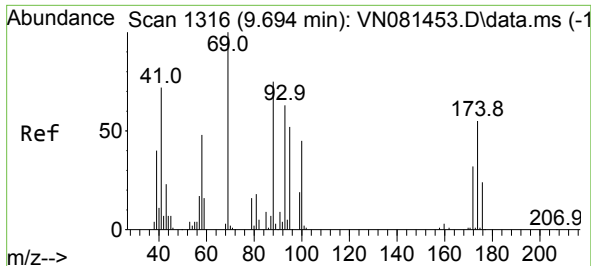
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 60.3 47.6 71.4





#49

1,4-Dioxane

Concen: 0.652 ug/l

RT: 9.682 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN081479.D

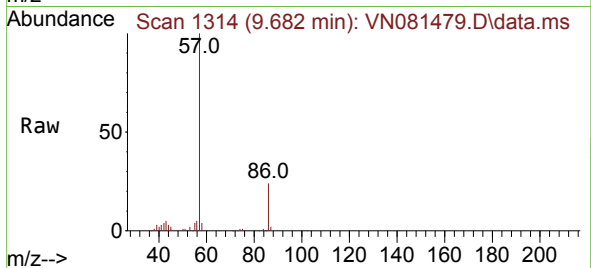
Acq: 19 Mar 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

196-BAY-AVENUE



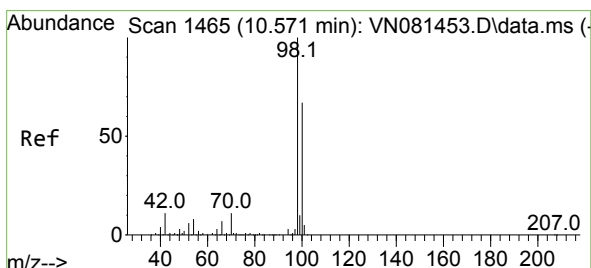
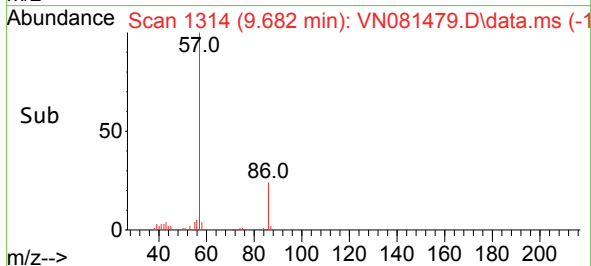
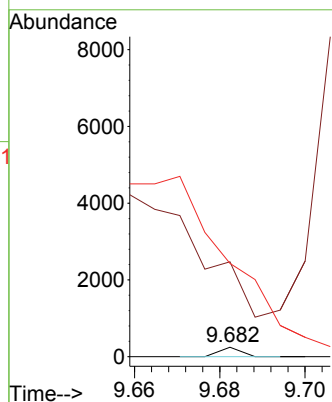
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 13470.1 63.9 95.9#



#50

Toluene-d8

Concen: 52.022 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081479.D

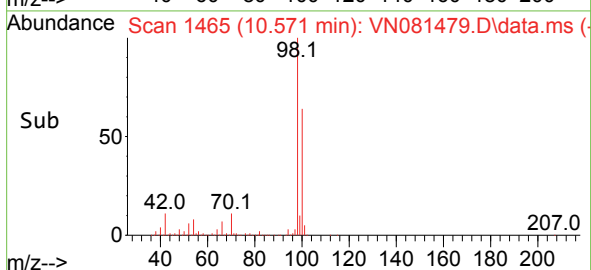
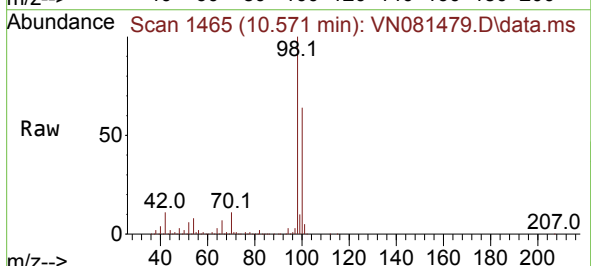
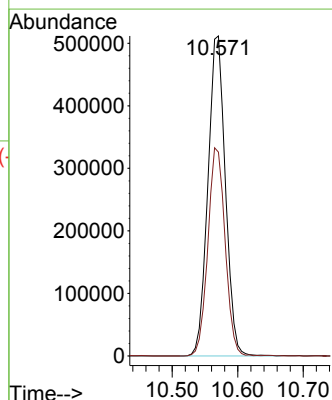
Acq: 19 Mar 2024 18:32

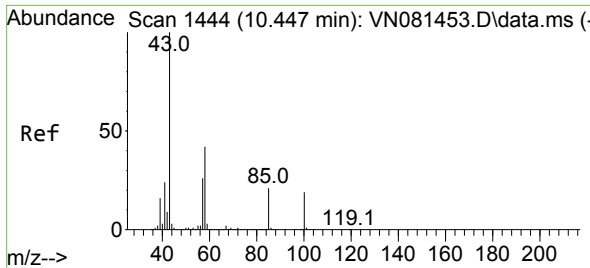
Tgt Ion: 98 Resp: 948139

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0

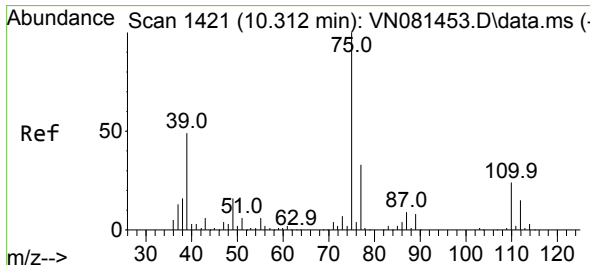
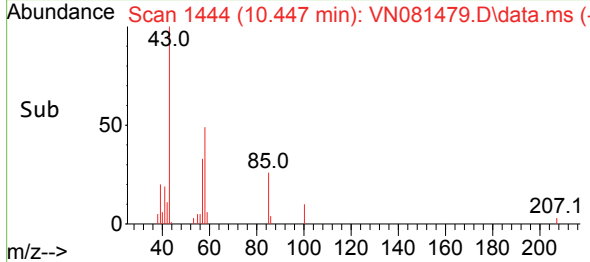
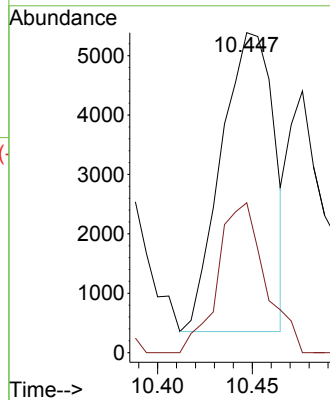
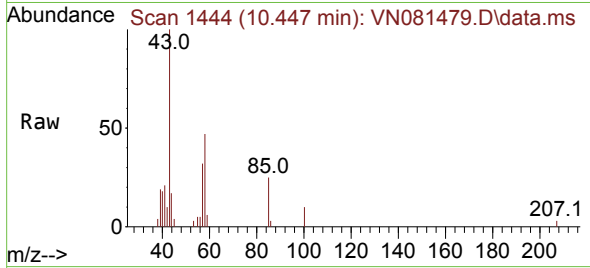




#51
4-Methyl-2-Pentanone
Concen: 1.330 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

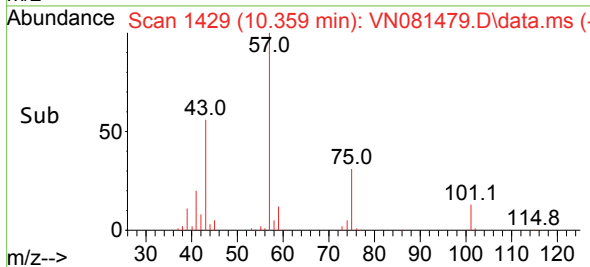
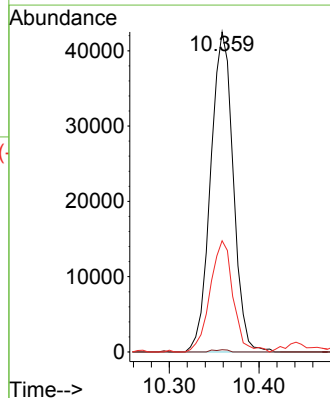
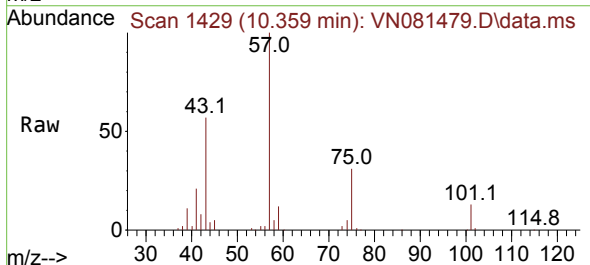
Instrument :
MSVOA_N
ClientSampleId :
196-BAY-AVENUE

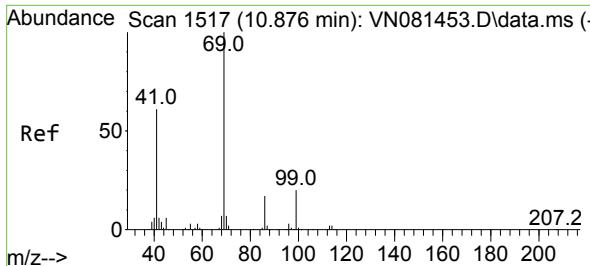
Tgt Ion: 43 Resp: 9774
Ion Ratio Lower Upper
43 100
58 44.9 29.4 44.0#



#54
cis-1,3-Dichloropropene
Concen: 7.190 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion: 75 Resp: 74307
Ion Ratio Lower Upper
75 100
77 0.7 23.3 34.9#
39 34.7 44.6 66.8#

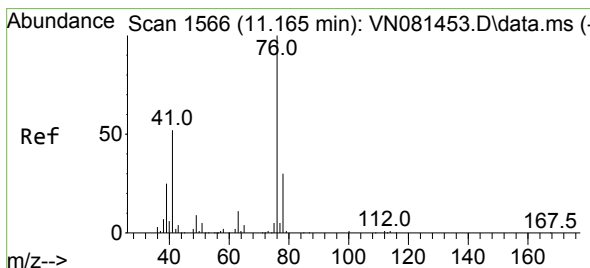
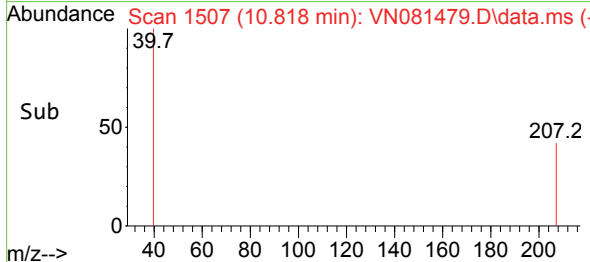
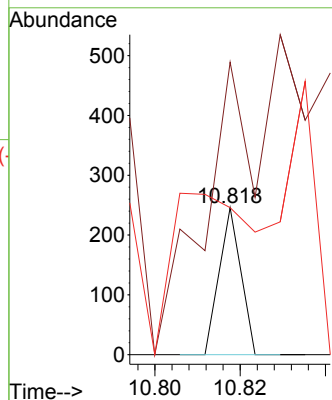
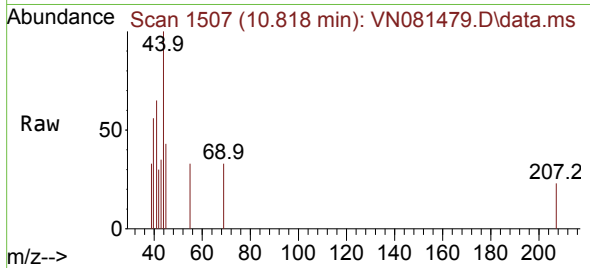




#56
Ethyl methacrylate
Concen: 0.580 ug/l
RT: 10.818 min Scan# 11
Delta R.T. -0.058 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

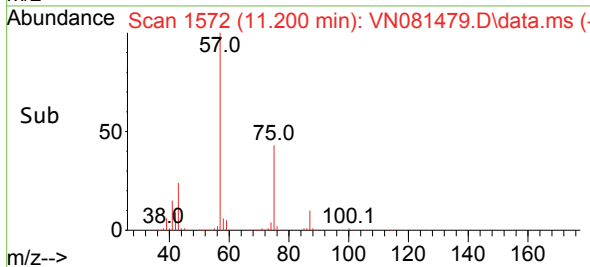
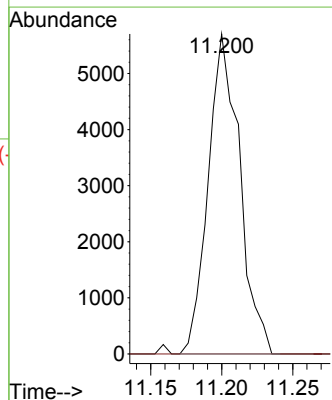
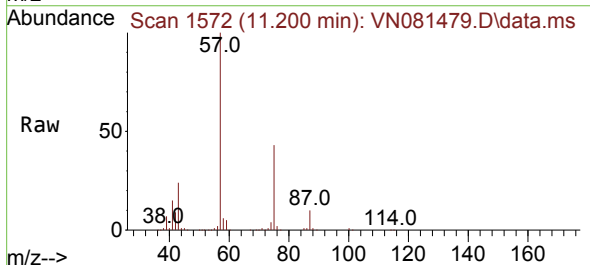
Instrument :
MSVOA_N
ClientSampleId :
196-BAY-AVENUE

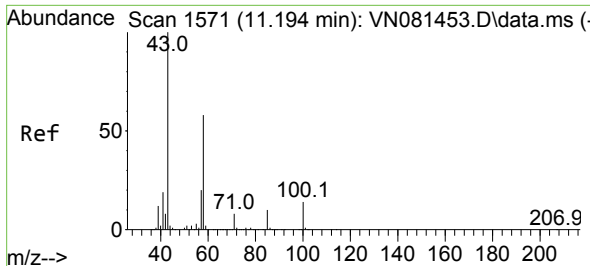
Tgt Ion: 69 Resp: 87
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 0.846 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion: 76 Resp: 8796
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

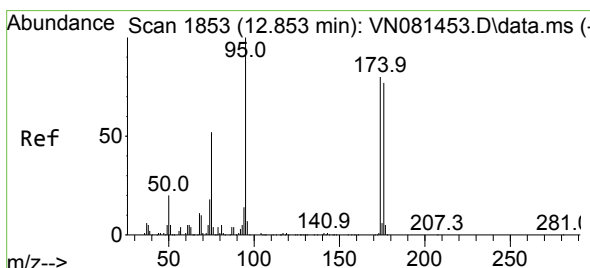
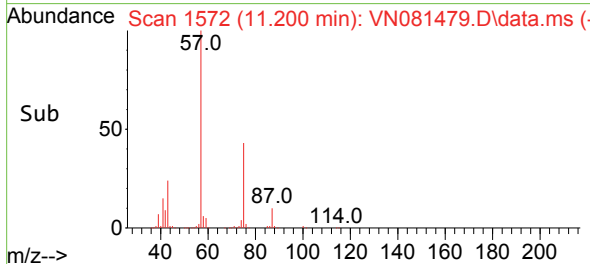
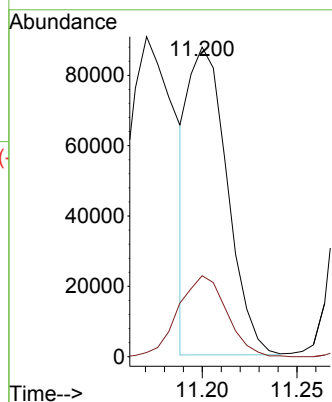
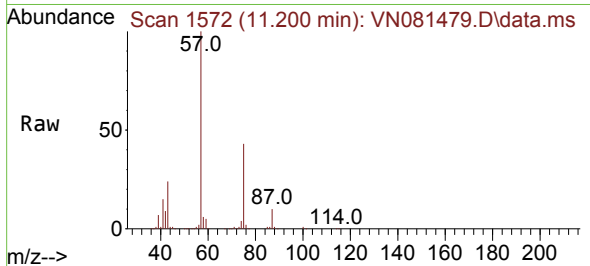




#59
2-Hexanone
Concen: 22.913 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

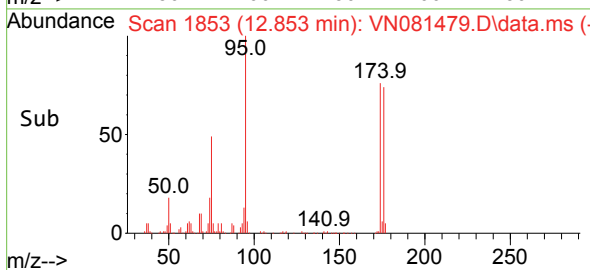
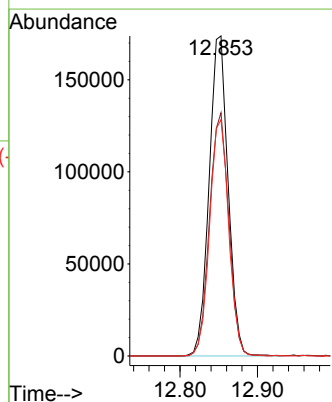
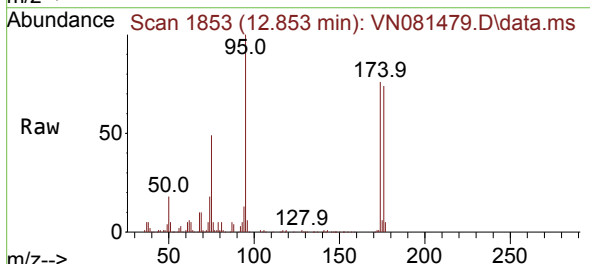
Instrument :
MSVOA_N
ClientSampleId :
196-BAY-AVENUE

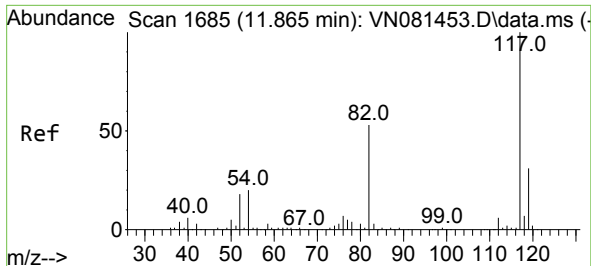
Tgt Ion: 43 Resp: 124491
Ion Ratio Lower Upper
43 100
58 33.0 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 45.954 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion: 95 Resp: 295116
Ion Ratio Lower Upper
95 100
174 77.4 0.0 120.4
176 74.2 0.0 121.0

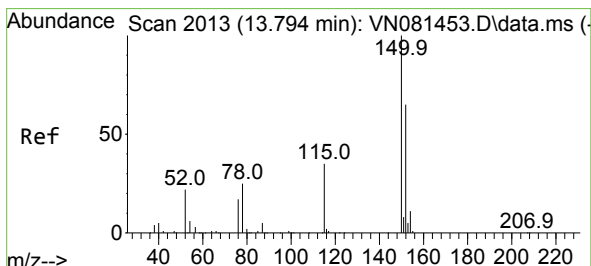
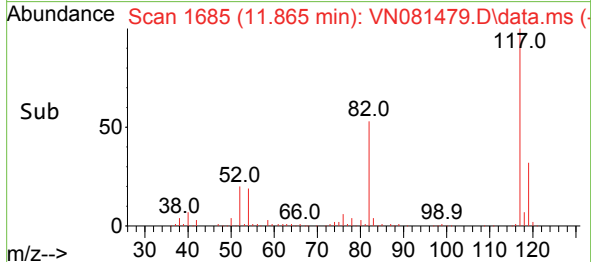
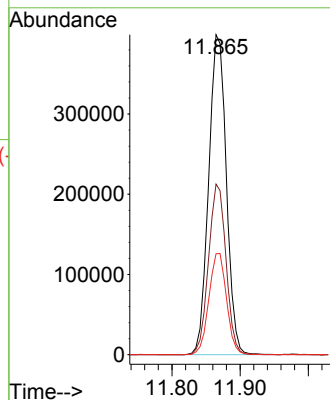
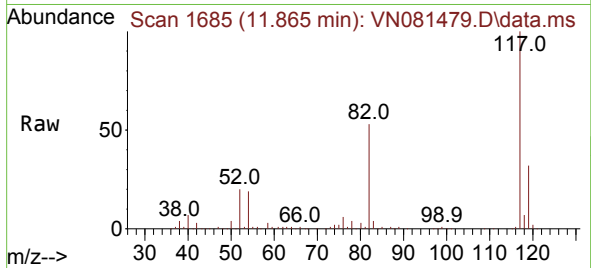




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

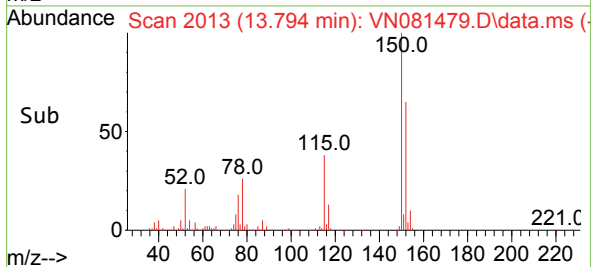
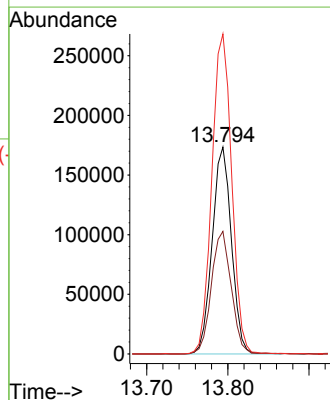
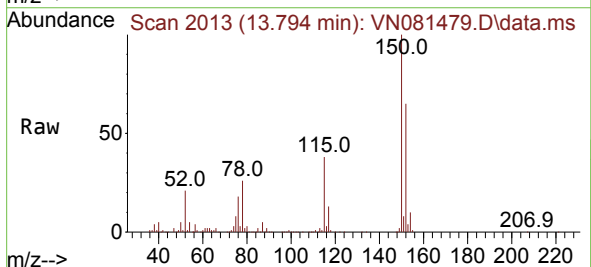
Instrument :
MSVOA_N
ClientSampleId :
196-BAY-AVENUE

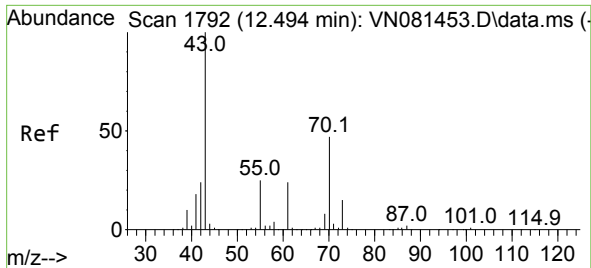
Tgt Ion:117 Resp: 719604
Ion Ratio Lower Upper
117 100
82 53.3 52.7 79.1
119 31.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion:152 Resp: 286091
Ion Ratio Lower Upper
152 100
115 61.1 32.3 96.8
150 158.9 0.0 339.8

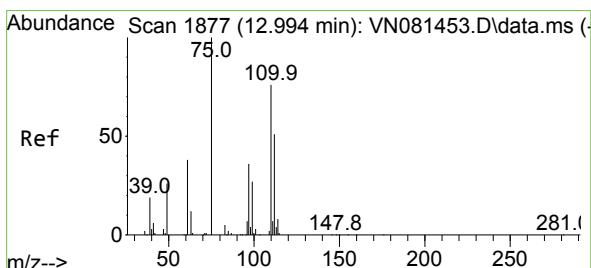
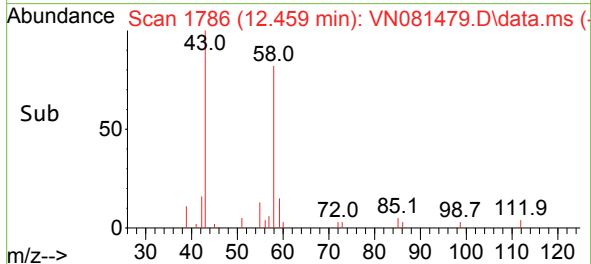
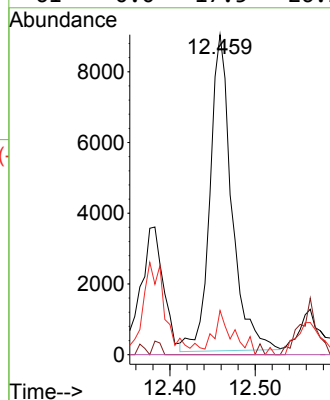
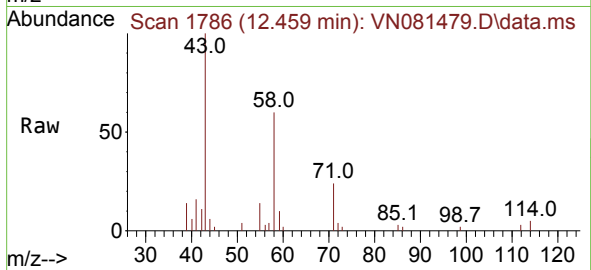




#74
N-amy1 acetate
Concen: 1.800 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

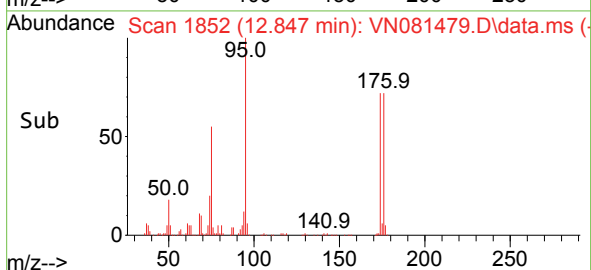
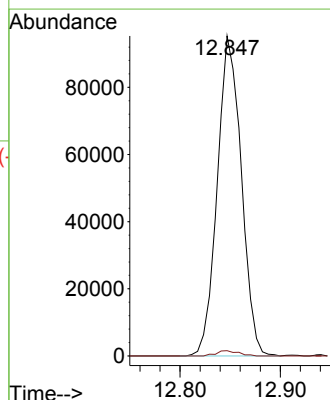
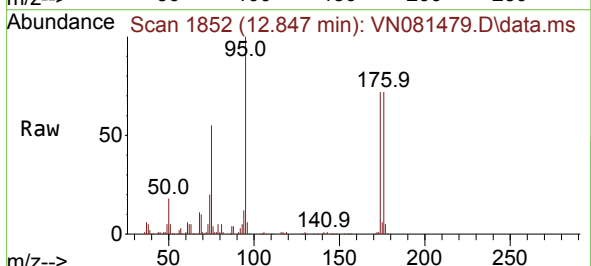
Instrument :
MSVOA_N
ClientSampleId :
196-BAY-AVENUE

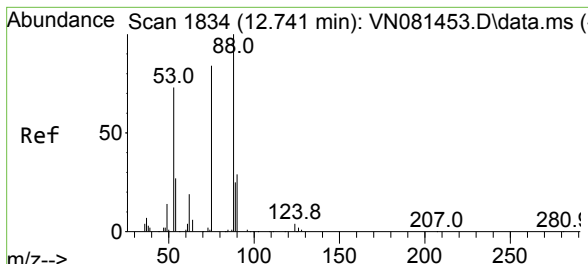
Tgt Ion: 43	Resp: 15887
Ion Ratio	Lower Upper
43	100
70	0.0 30.1 45.1#
55	11.8 17.0 25.4#
61	0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 23.166 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion: 75	Resp: 158536
Ion Ratio	Lower Upper
75	100
77	1.5 91.0 272.8#

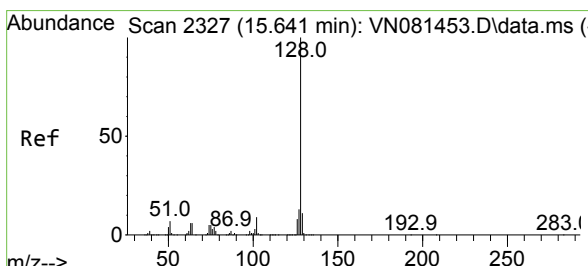
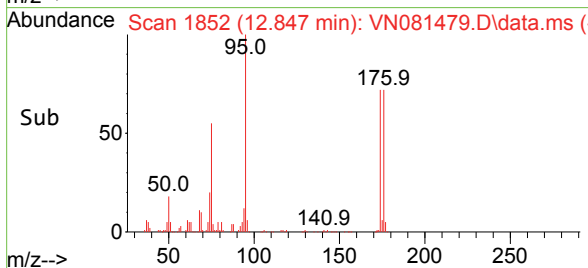
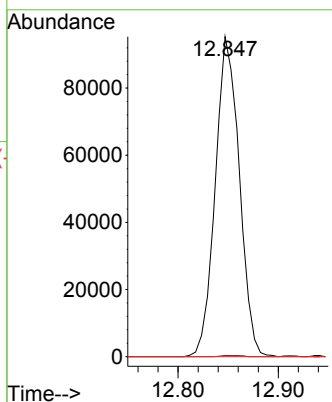
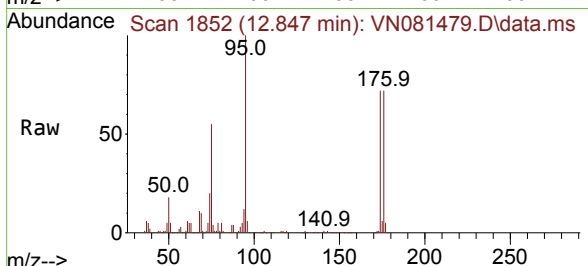




#81
trans-1,4-Dichloro-2-butene
Concen: 62.602 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Instrument :
MSVOA_N
ClientSampleId :
196-BAY-AVENUE

Tgt Ion: 75 Resp: 158536
Ion Ratio Lower Upper
75 100
53 0.3 71.4 107.2#
89 0.0 33.4 50.0#



#95
Naphthalene
Concen: 0.751 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081479.D
Acq: 19 Mar 2024 18:32

Tgt Ion: 128 Resp: 14995
Ion Ratio Lower Upper
128 100
127 15.2 10.0 15.0#
129 14.3 8.7 13.1#

