

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110923\
 Data File : VN080030.D
 Acq On : 09 Nov 2023 18:34
 Operator : JC\MD
 Sample : 05279-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 00:39:44 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)

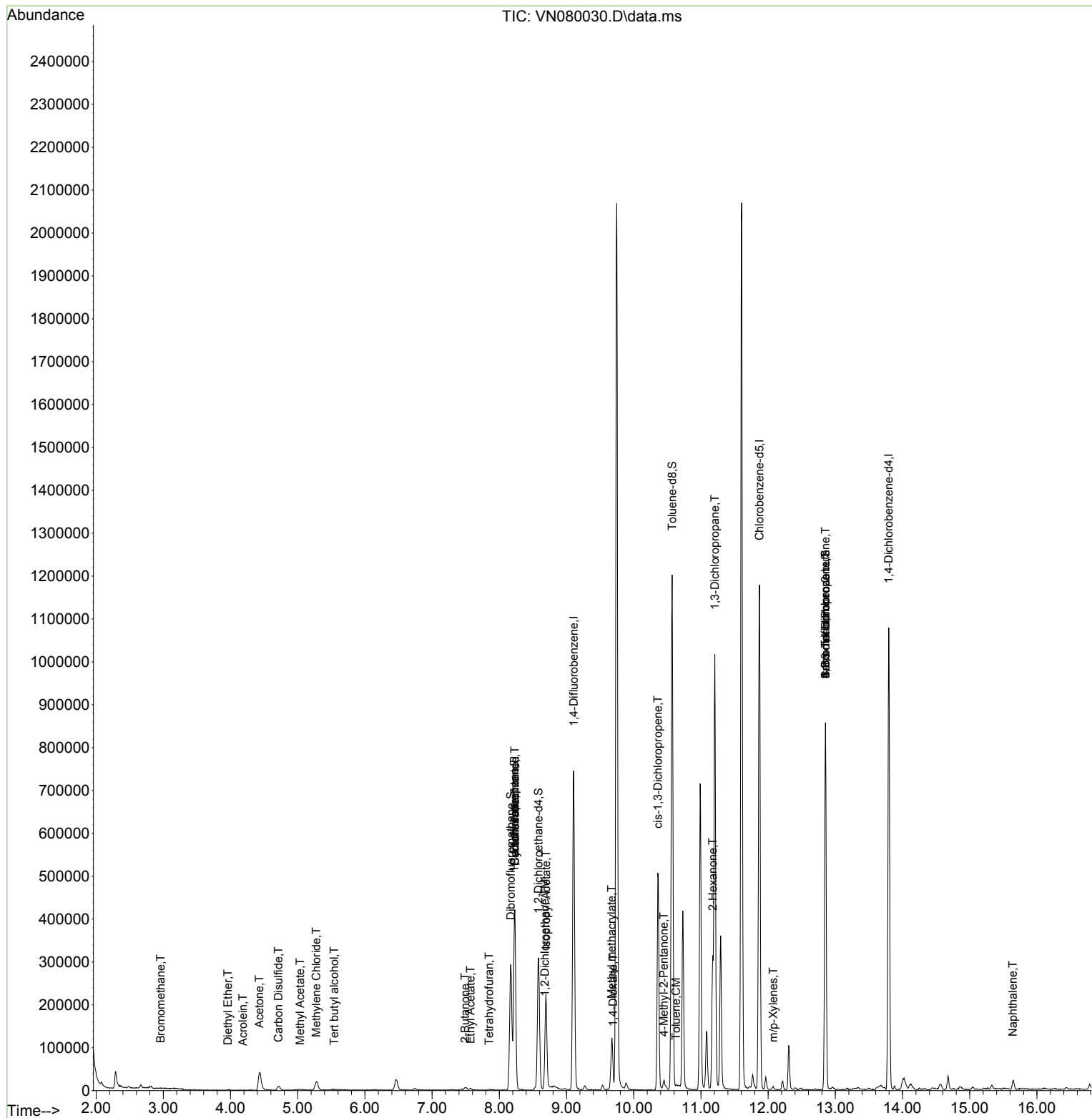
Internal Standards						
1) Pentafluorobenzene	8.230	168	296588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	614784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	677151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	278806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	258372	57.179	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.360%
35) Dibromofluoromethane	8.171	113	214212	49.231	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.460%
50) Toluene-d8	10.571	98	817248	51.020	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.040%
62) 4-Bromofluorobenzene	12.853	95	297146	55.934	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.860%
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	1233	Below Cal		96
5) Bromomethane	2.959	94	694	0.244	ug/l	95
8) Diethyl Ether	3.959	74	491	0.222	ug/l	73
11) Tert butyl alcohol	5.542	59	867	1.503	ug/l #	72
13) Acrolein	4.183	56	62	2.694	ug/l #	16
16) Acetone	4.430	43	85062	53.592	ug/l	95
17) Carbon Disulfide	4.712	76	17700	1.922	ug/l	98
18) Methyl Acetate	5.036	43	5356	0.705	ug/l #	72
20) Methylene Chloride	5.277	84	15730	3.928	ug/l #	79
25) 2-Butanone	7.489	43	11745	5.053	ug/l #	82
29) Tetrahydrofuran	7.847	42	545	0.360	ug/l #	52
31) Cyclohexane	8.230	56	7566	1.267	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	26851	4.322	ug/l #	48
37) Ethyl Acetate	7.571	43	7111	1.248	ug/l #	83
38) Carbon Tetrachloride	8.230	117	32652	5.215	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	4782	0.736	ug/l	80
43) Isopropyl Acetate	8.694	43	242463	24.265	ug/l #	83
48) Methyl methacrylate	9.671	41	7647	1.747	ug/l #	27
49) 1,4-Dioxane	9.694	88	57	0.737	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	22552	4.009	ug/l #	68
52) Toluene	10.630	92	3907	0.354	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	92954	12.562	ug/l #	66
57) 1,3-Dichloropropane	11.206	76	10361	1.325	ug/l #	42
59) 2-Hexanone	11.177	43	250329	58.168	ug/l #	19
68) m/p-Xylenes	12.077	106	2096	0.220	ug/l	81
71) Bromoform	12.853	173	1845	0.491	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	156232	23.868	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	156232	64.940	ug/l #	15
95) Naphthalene	15.641	128	18250	1.244	ug/l	98

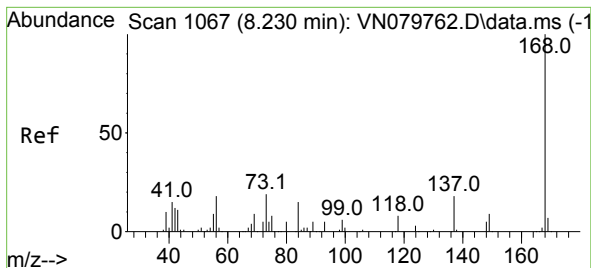
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN080030.D

Acq: 09 Nov 2023 18:34

Instrument :

MSVOA_N

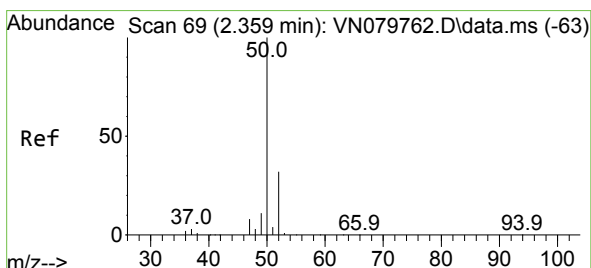
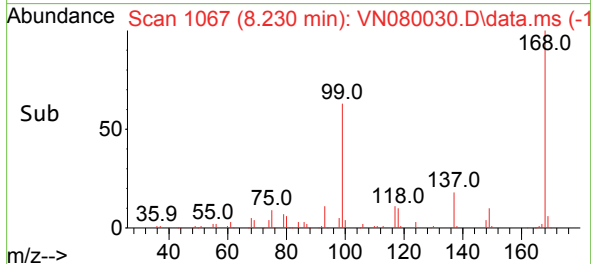
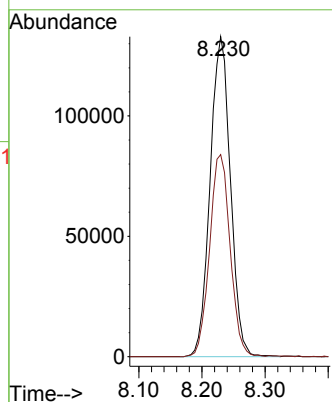
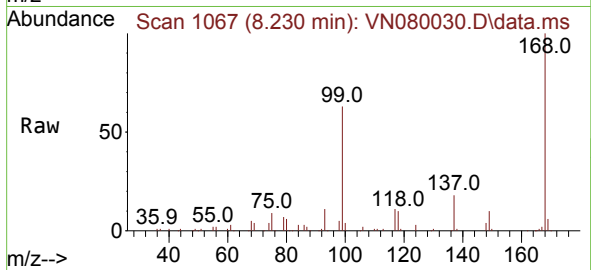
ClientSampleId :

Tgt Ion:168 Resp: 296588

Ion Ratio Lower Upper

168 100

99 63.2 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.360 min Scan# 69

Delta R.T. 0.001 min

Lab File: VN080030.D

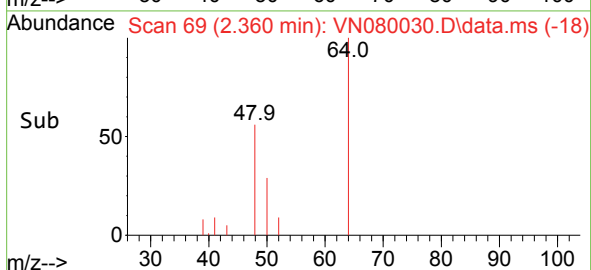
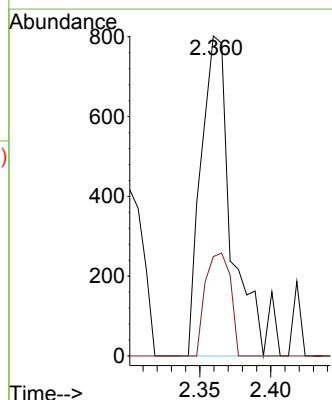
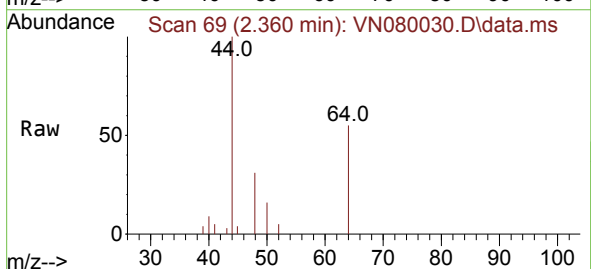
Acq: 09 Nov 2023 18:34

Tgt Ion: 50 Resp: 1233

Ion Ratio Lower Upper

50 100

52 31.0 26.5 39.7

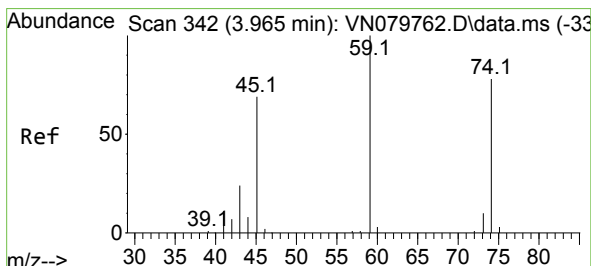
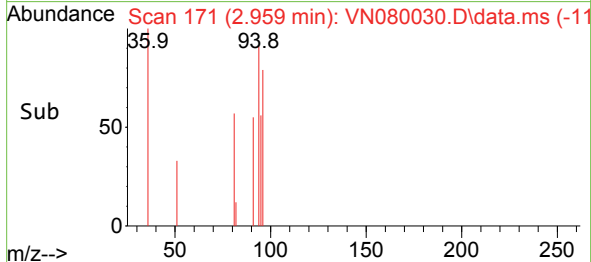
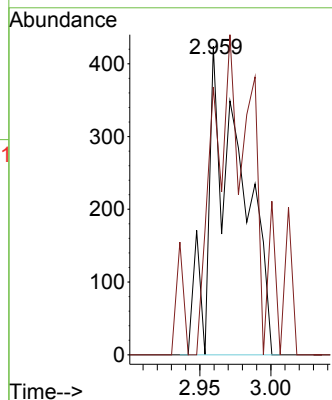
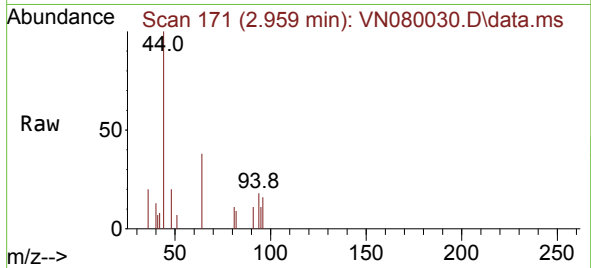




#5
Bromomethane
Concen: 0.244 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

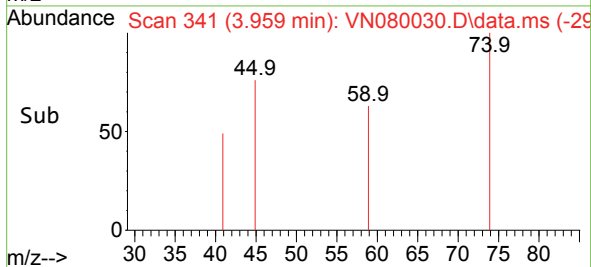
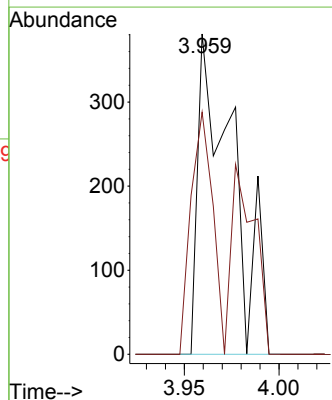
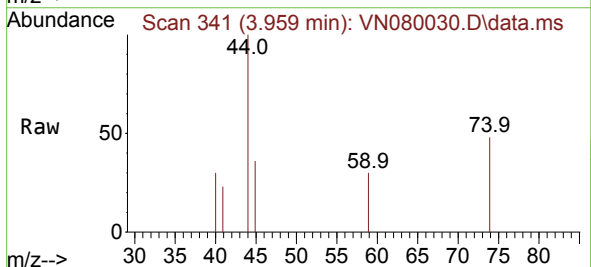
Instrument :
MSVOA_N
ClientSampleId :

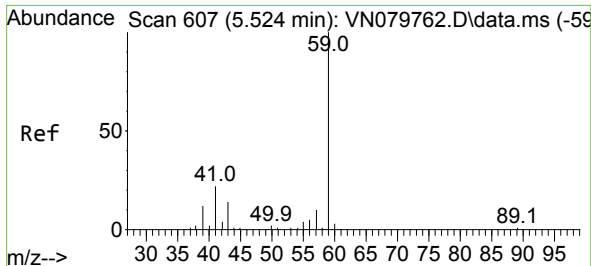
Tgt Ion: 94 Resp: 694
Ion Ratio Lower Upper
94 100
96 86.8 73.1 109.7



#8
Diethyl Ether
Concen: 0.222 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Tgt Ion: 74 Resp: 491
Ion Ratio Lower Upper
74 100
45 46.8 34.4 103.3

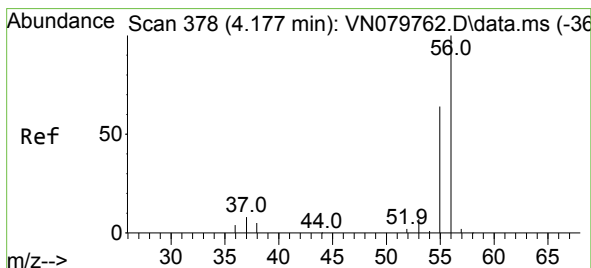
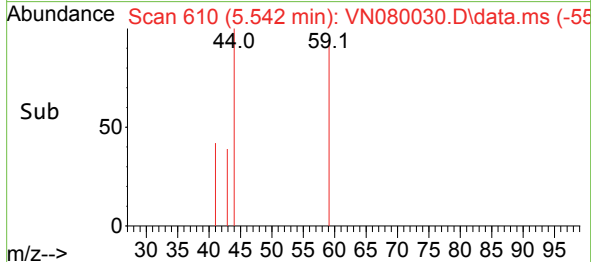
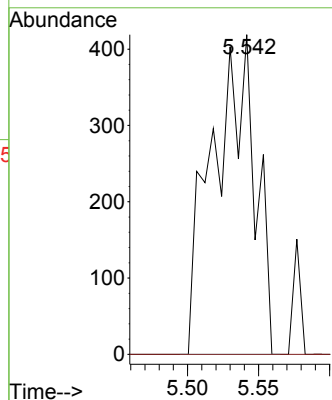
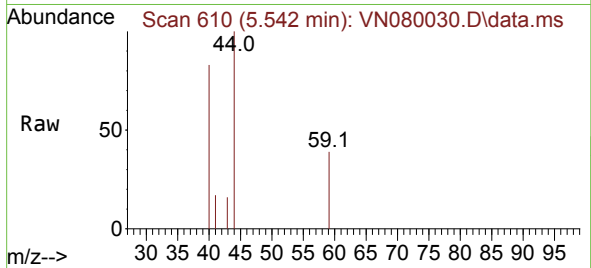




#11
Tert butyl alcohol
Concen: 1.503 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

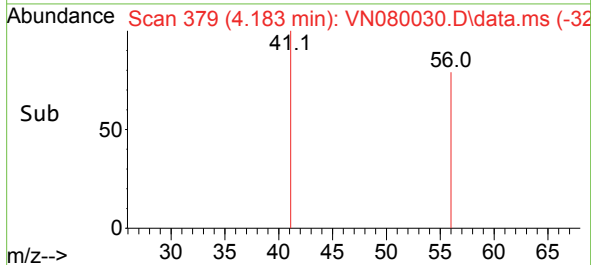
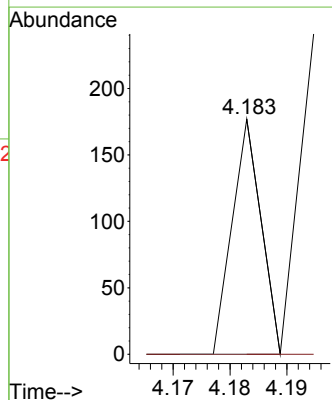
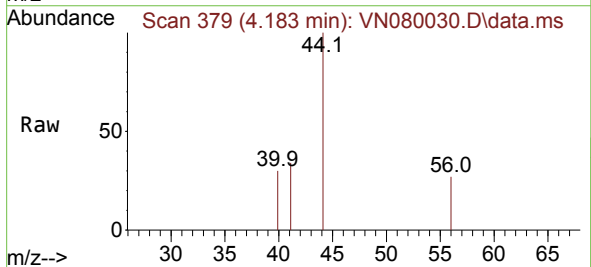
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MSVOA_N
ClientSampleId :

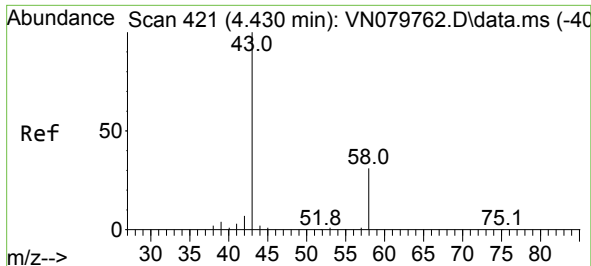
Tgt Ion: 59 Resp: 867
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 2.694 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

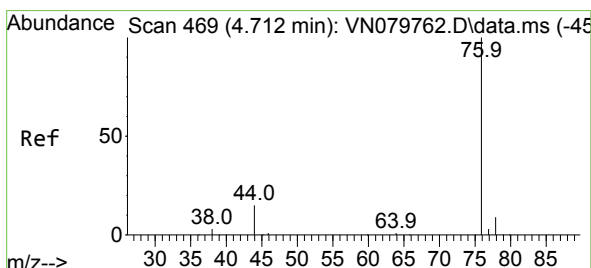
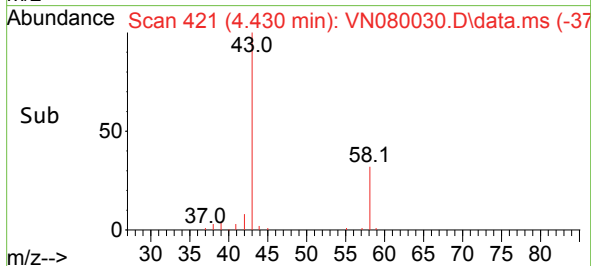
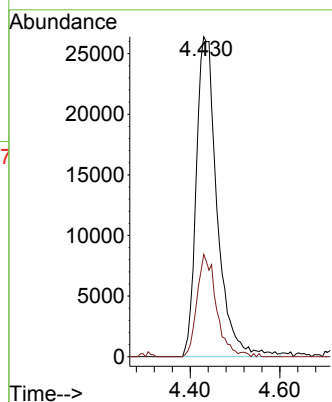
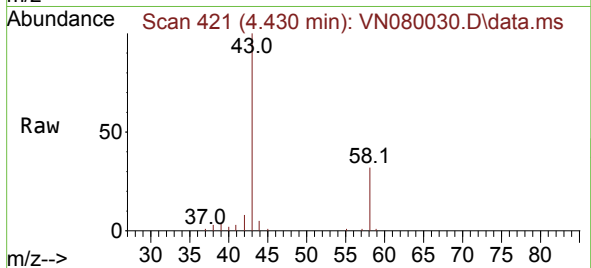




#16
Acetone
Concen: 53.592 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

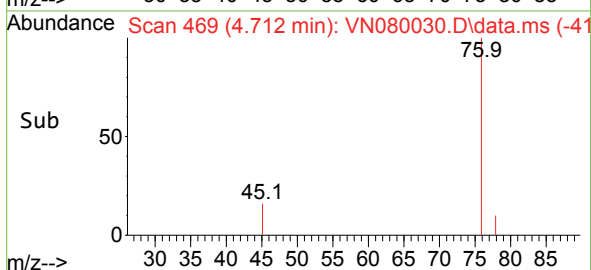
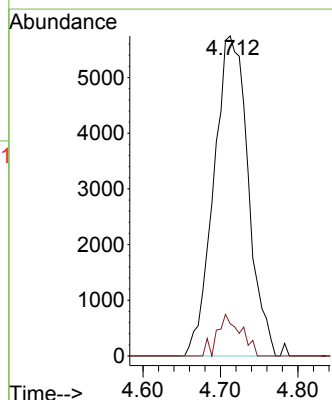
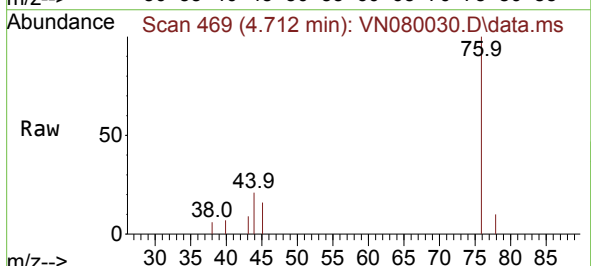
Instrument :
MSVOA_N
ClientSampleId :

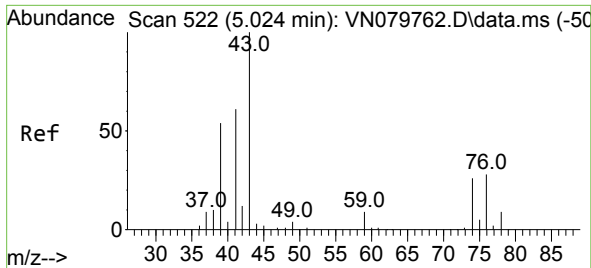
Tgt Ion: 43 Resp: 85062
Ion Ratio Lower Upper
43 100
58 32.0 28.0 42.0



#17
Carbon Disulfide
Concen: 1.922 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Tgt Ion: 76 Resp: 17700
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0

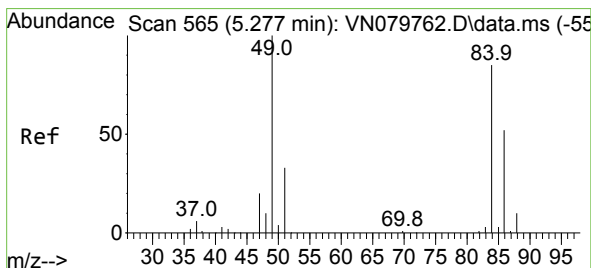
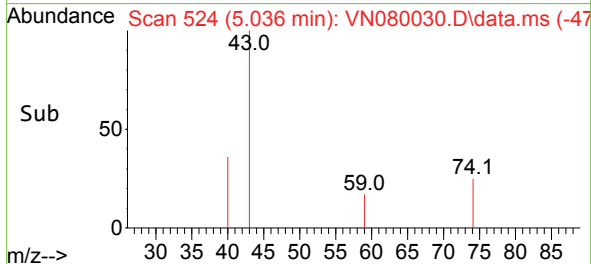
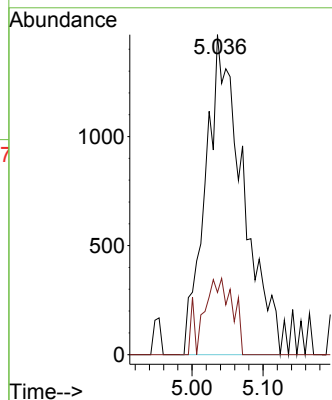
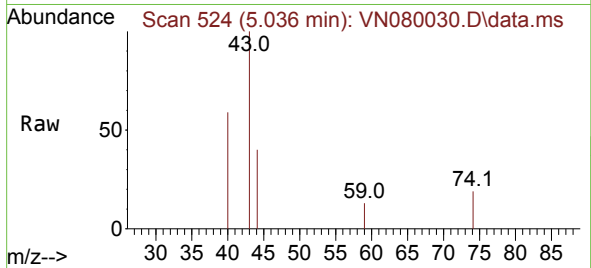




#18
Methyl Acetate
Concen: 0.705 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

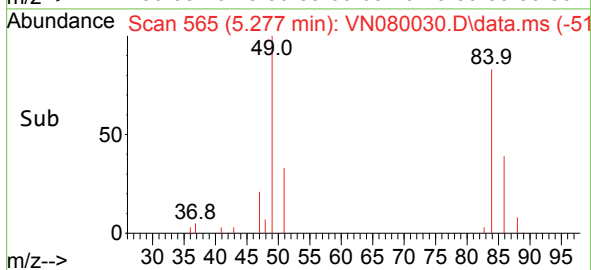
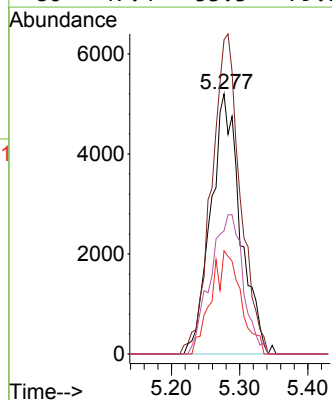
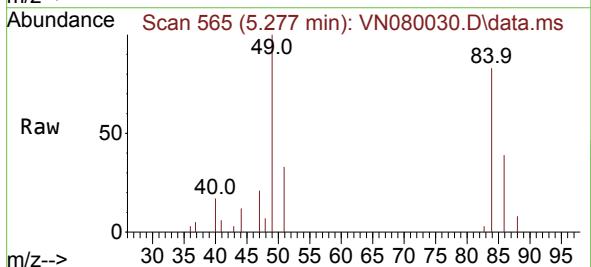
Instrument :
MSVOA_N
ClientSampleId :

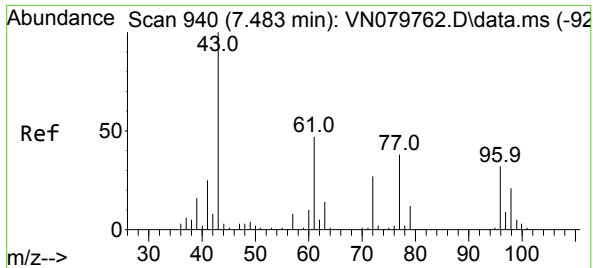
Tgt Ion: 43 Resp: 5356
Ion Ratio Lower Upper
43 100
74 16.9 26.2 39.4#



#20
Methylene Chloride
Concen: 3.928 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Tgt Ion: 84 Resp: 15730
Ion Ratio Lower Upper
84 100
49 120.8 79.7 119.5#
51 39.7 25.2 37.8#
86 47.4 53.3 79.9#

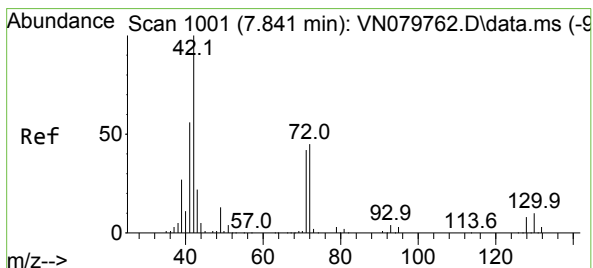
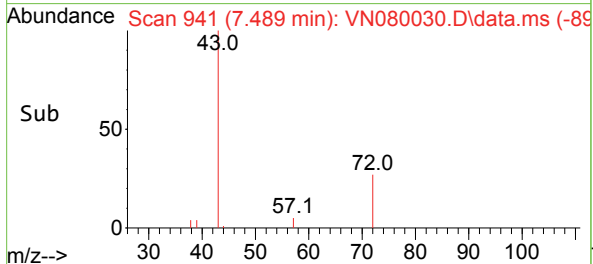
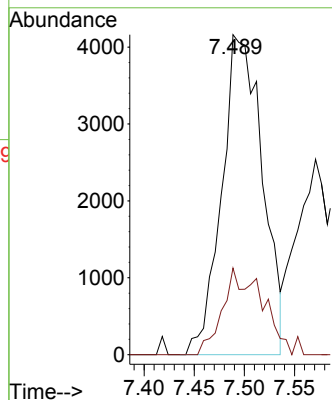
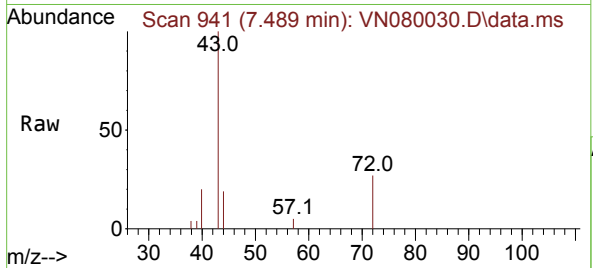




#25
2-Butanone
Concen: 5.053 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

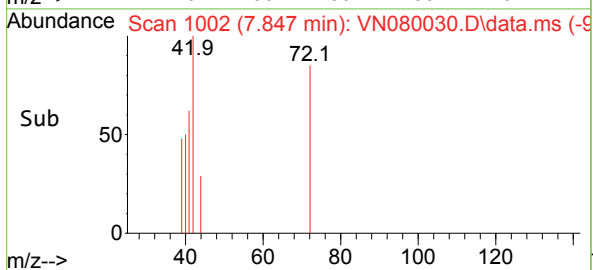
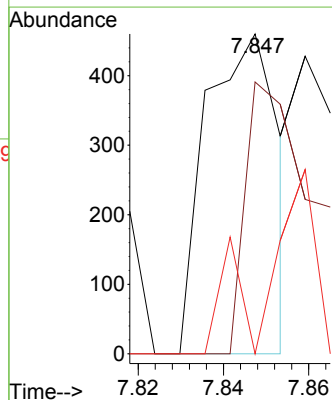
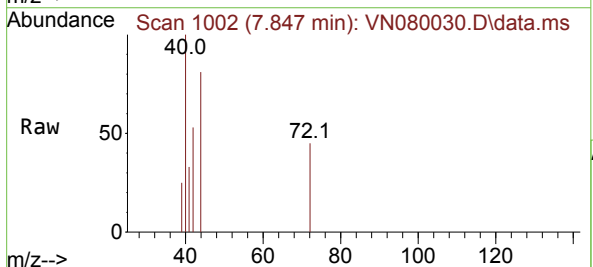
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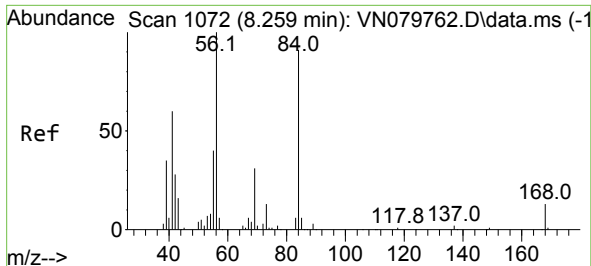
Tgt Ion: 43 Resp: 11745
Ion Ratio Lower Upper
43 100
72 27.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.360 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

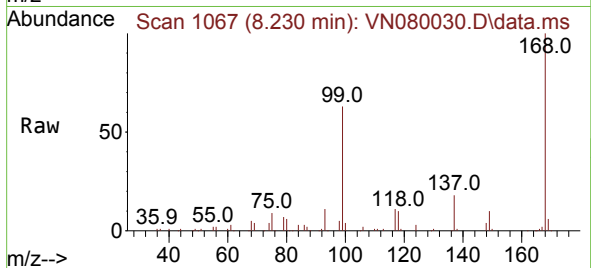
Tgt Ion: 42 Resp: 545
Ion Ratio Lower Upper
42 100
72 76.5 49.8 74.6#
71 0.0 47.4 71.2#



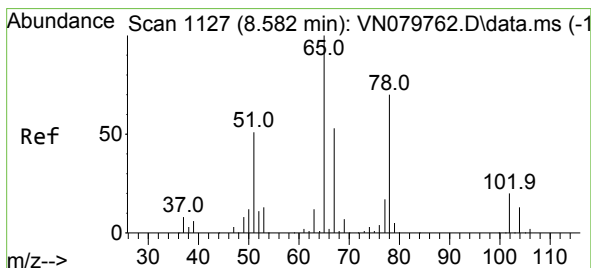
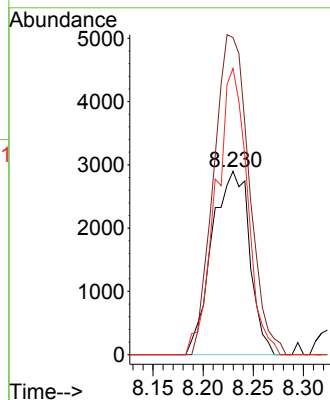
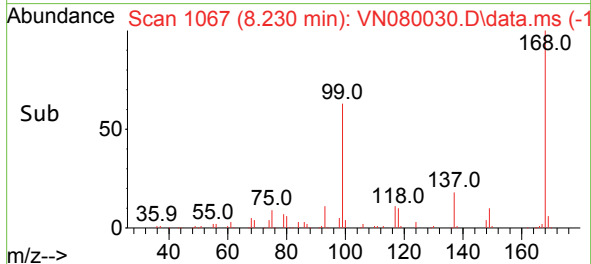


#31
Cyclohexane
Concen: 1.267 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Instrument :
MSVOA_N
ClientSampleId :

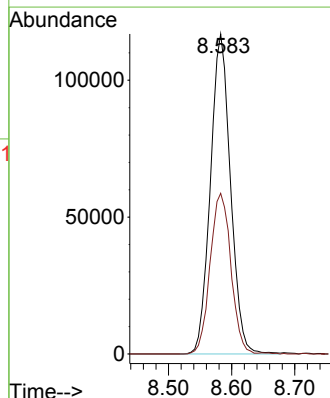
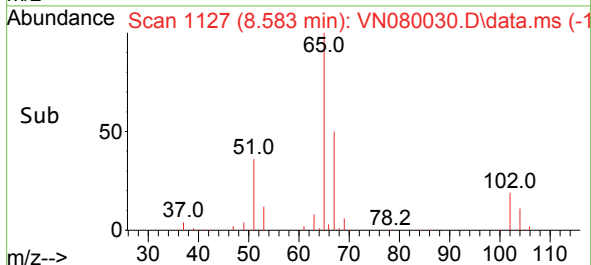
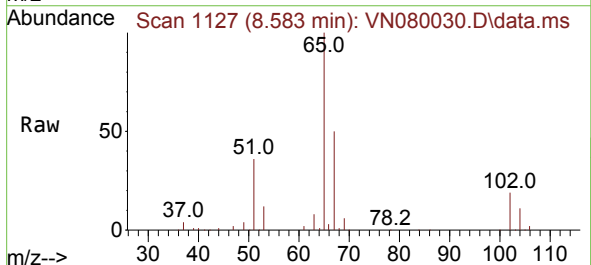


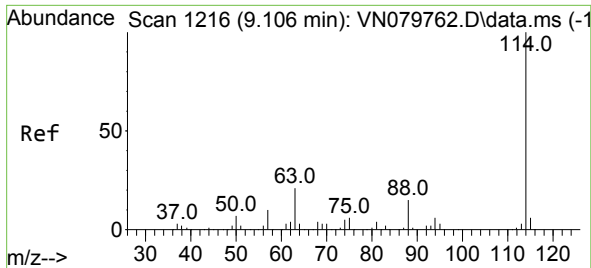
Tgt Ion: 56 Resp: 7566
Ion Ratio Lower Upper
56 100
69 173.0 26.8 40.2#
84 156.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 57.179 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Tgt Ion: 65 Resp: 258372
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6

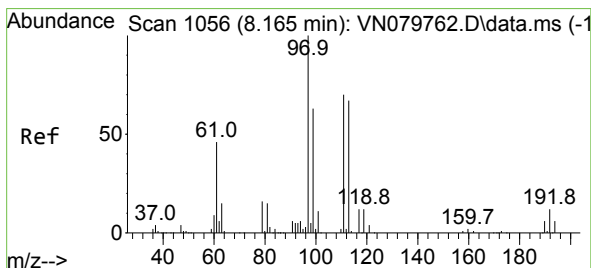
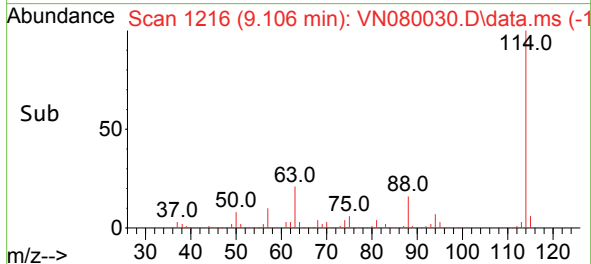
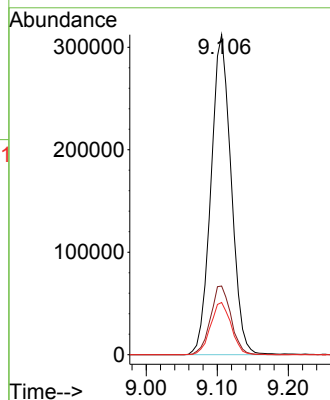
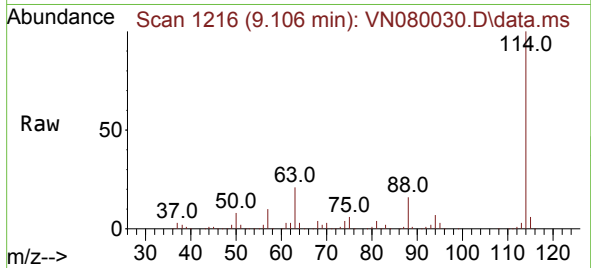




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

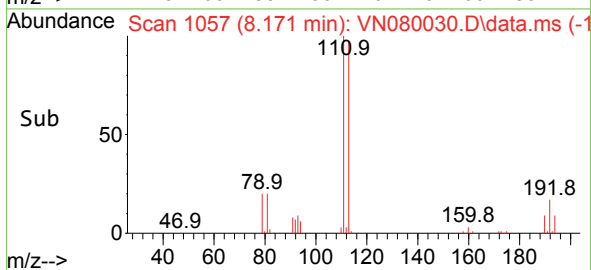
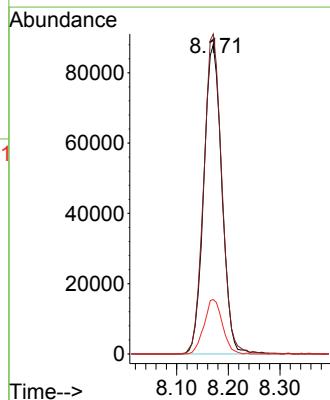
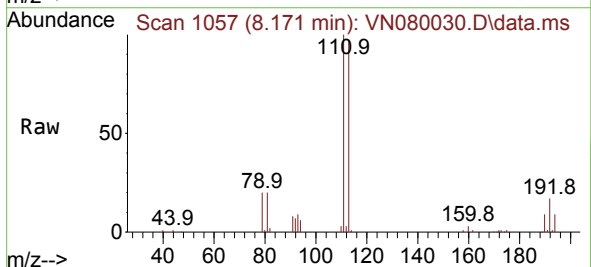
Instrument :
MSVOA_N
ClientSampleId :

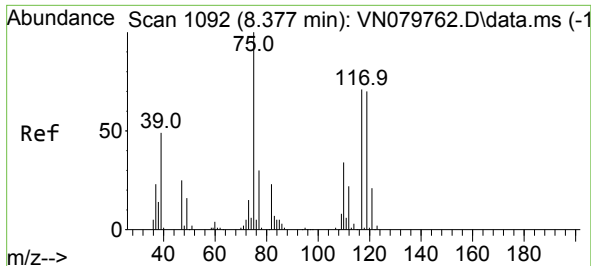
Tgt Ion:114 Resp: 614784
Ion Ratio Lower Upper
114 100
63 21.5 0.0 36.4
88 16.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.231 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Tgt Ion:113 Resp: 214212
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 17.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.322 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

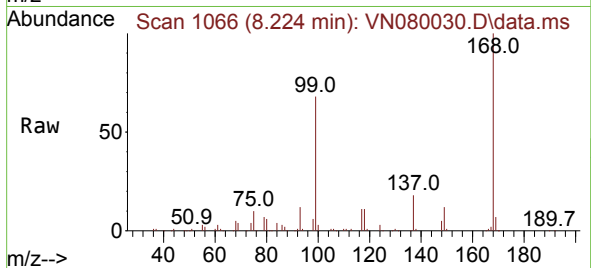
Lab File: VN080030.D

Acq: 09 Nov 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :



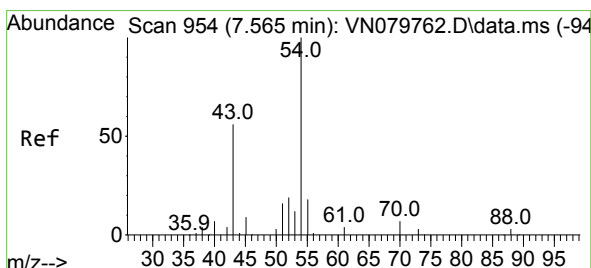
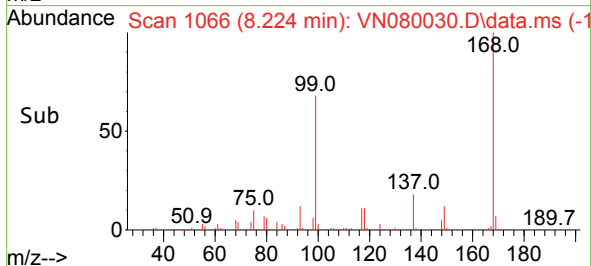
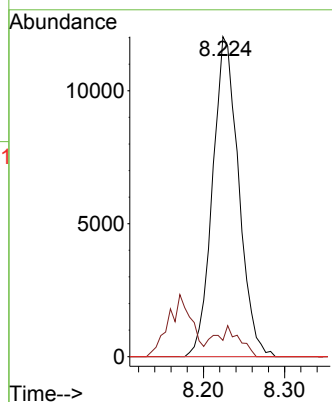
Tgt Ion: 75 Resp: 26851

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.248 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.006 min

Lab File: VN080030.D

Acq: 09 Nov 2023 18:34

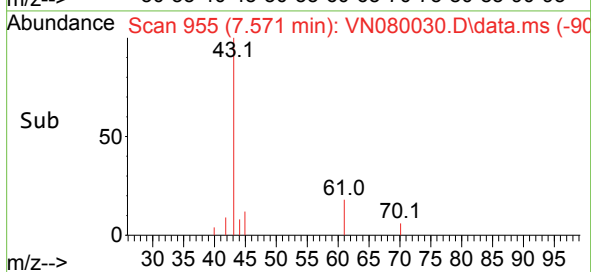
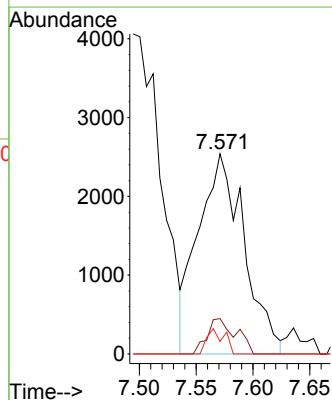
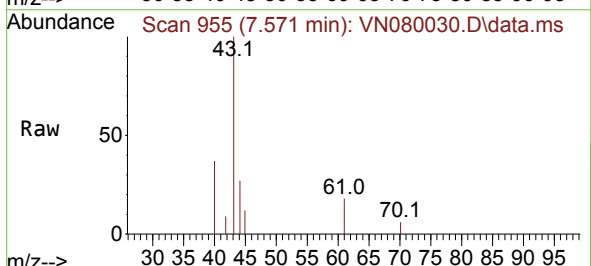
Tgt Ion: 43 Resp: 7111

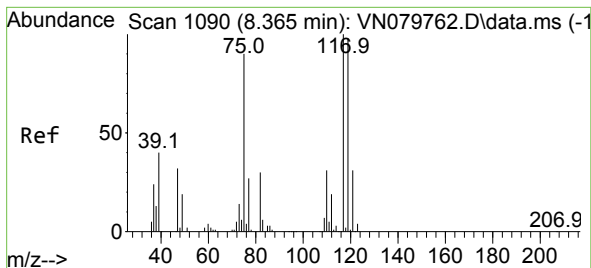
Ion Ratio Lower Upper

43 100

61 11.1 13.2 19.8#

70 4.8 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.215 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

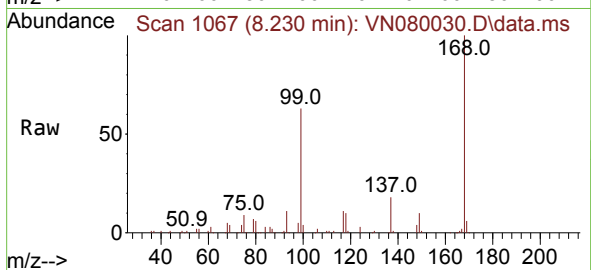
Lab File: VN080030.D

Acq: 09 Nov 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :



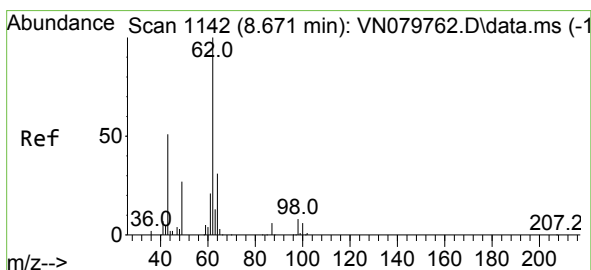
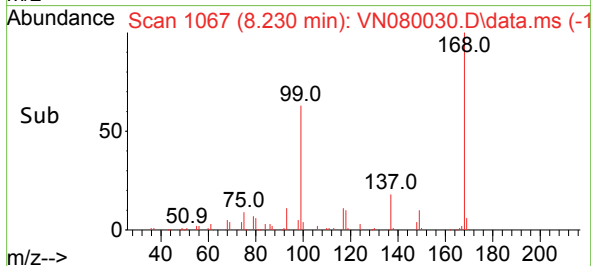
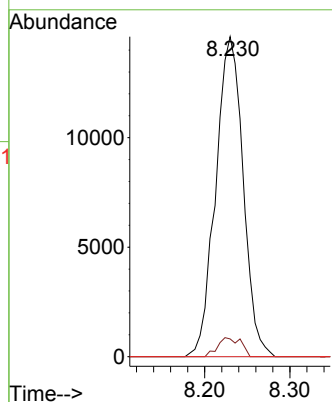
Tgt Ion:117 Resp: 32652

Ion Ratio Lower Upper

117 100

119 5.5 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.736 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN080030.D

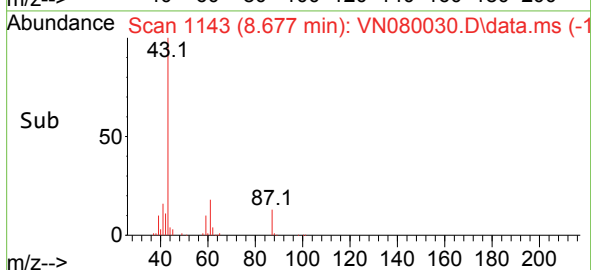
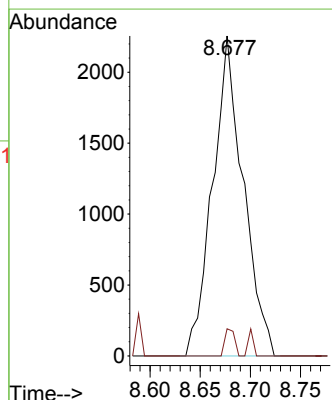
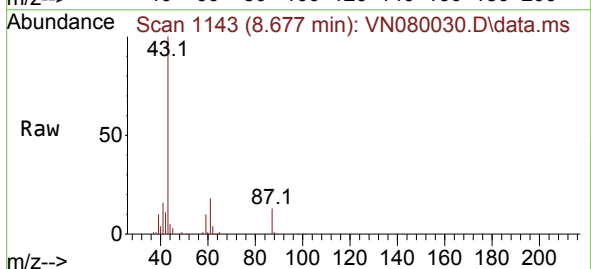
Acq: 09 Nov 2023 18:34

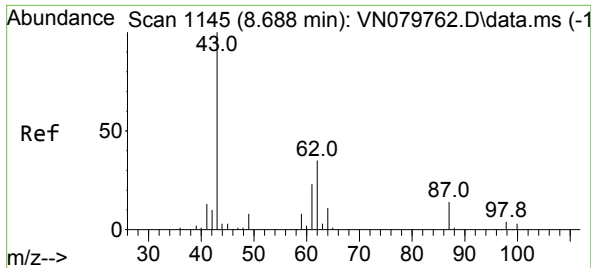
Tgt Ion: 62 Resp: 4782

Ion Ratio Lower Upper

62 100

98 2.7 0.0 19.8

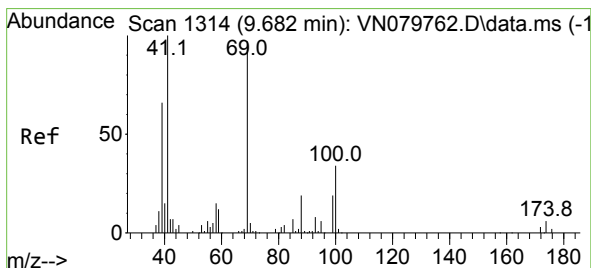
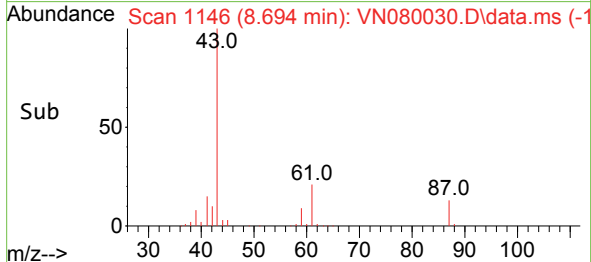
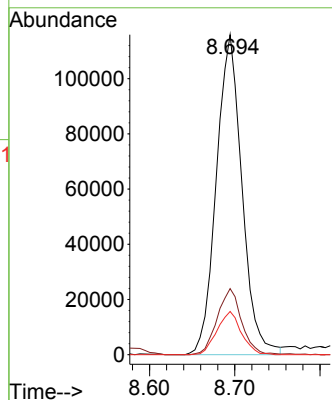
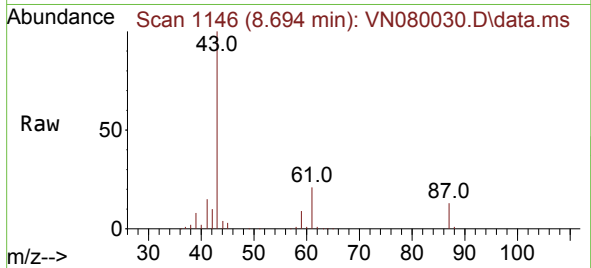




#43
Isopropyl Acetate
Concen: 24.265 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

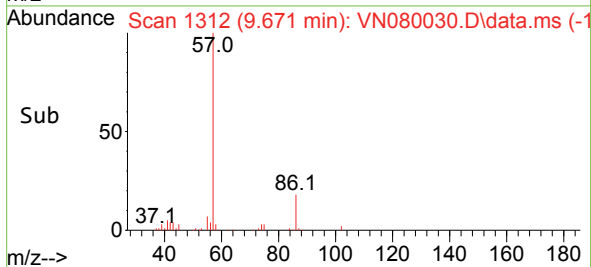
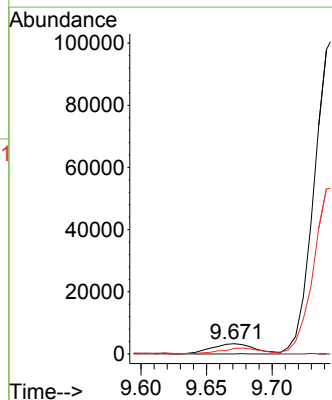
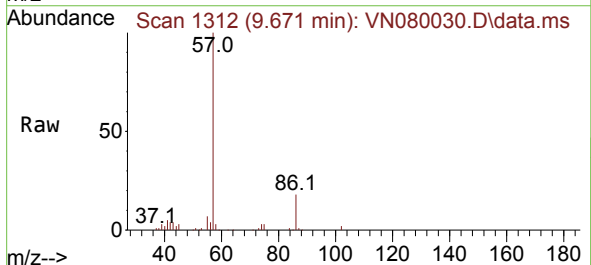
Instrument :
MSVOA_N
ClientSampleId :

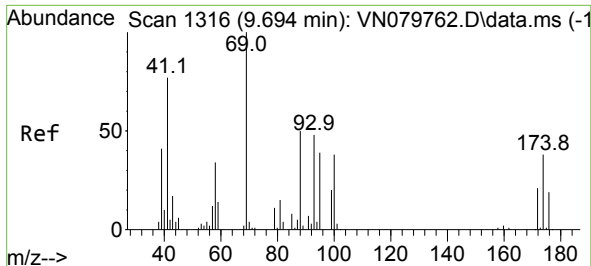
Tgt Ion: 43 Resp: 242463
Ion Ratio Lower Upper
43 100
61 19.6 24.7 37.1#
87 12.8 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.747 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

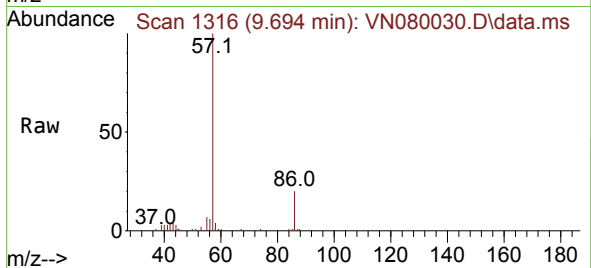
Tgt Ion: 41 Resp: 7647
Ion Ratio Lower Upper
41 100
69 0.8 90.4 135.6#
39 52.0 54.6 81.8#



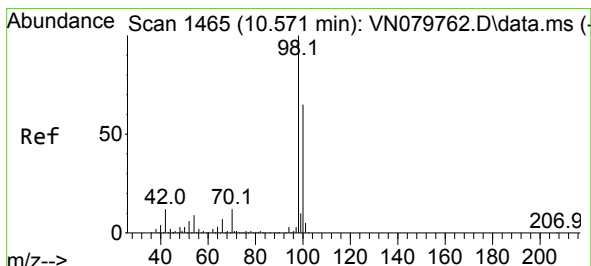
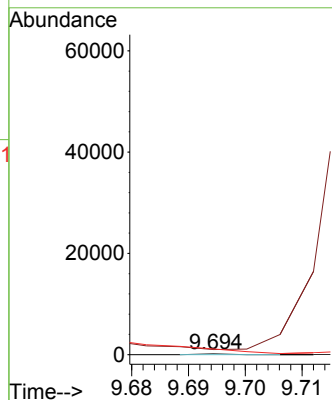
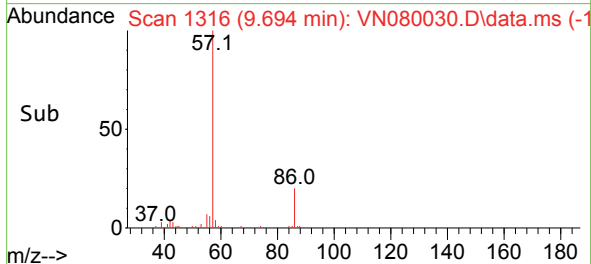


#49
1,4-Dioxane
Concen: 0.737 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Instrument :
MSVOA_N
ClientSampleId :

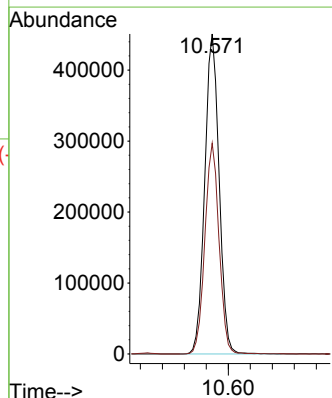
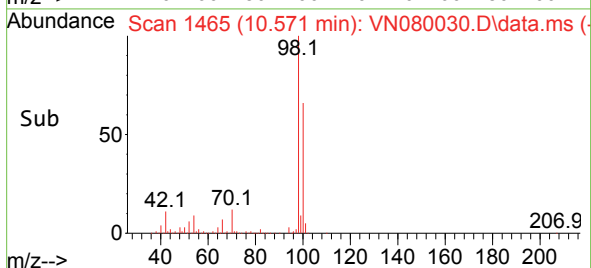
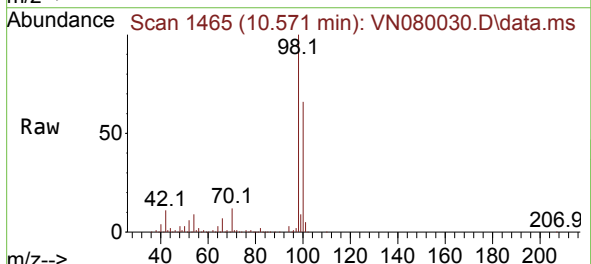


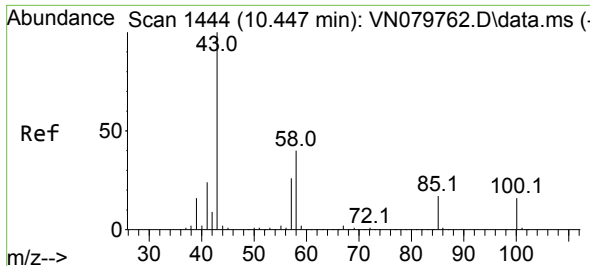
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 51.020 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Tgt Ion: 98 Resp: 817248
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

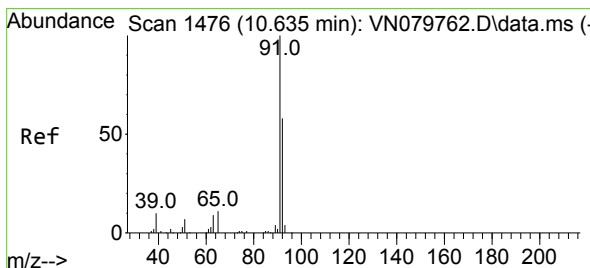
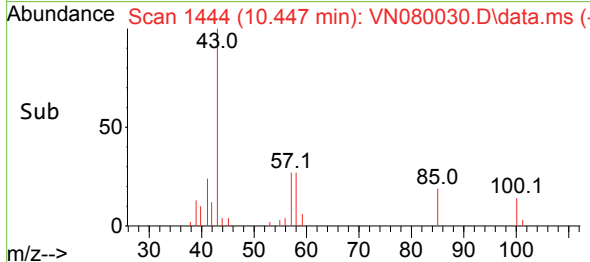
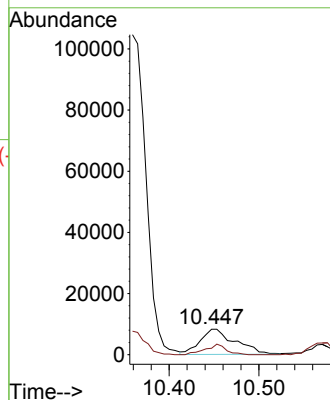
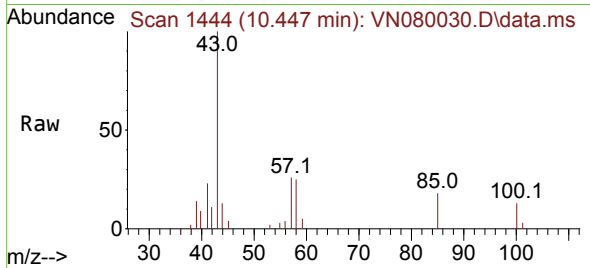




#51
4-Methyl-2-Pentanone
Concen: 4.009 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

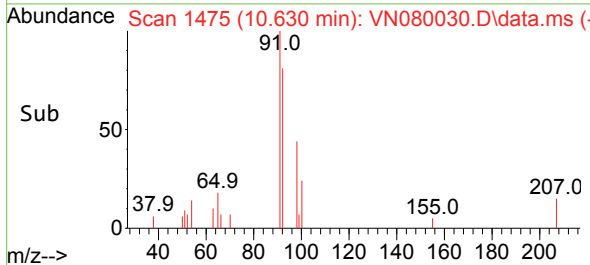
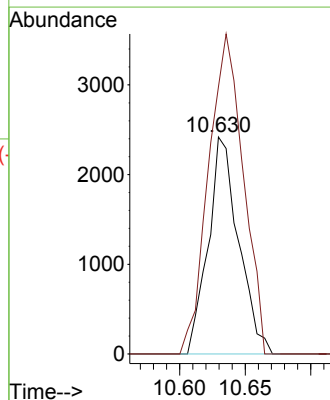
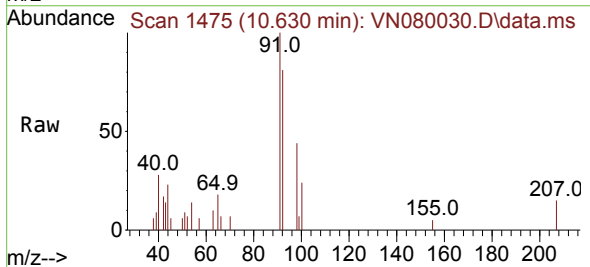
Instrument :
MSVOA_N
ClientSampleId :

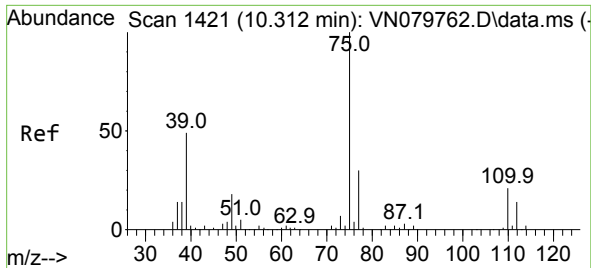
Tgt Ion: 43 Resp: 22552
Ion Ratio Lower Upper
43 100
58 24.3 36.6 54.8#



#52
Toluene
Concen: 0.354 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Tgt Ion: 92 Resp: 3907
Ion Ratio Lower Upper
92 100
91 168.6 137.4 206.0

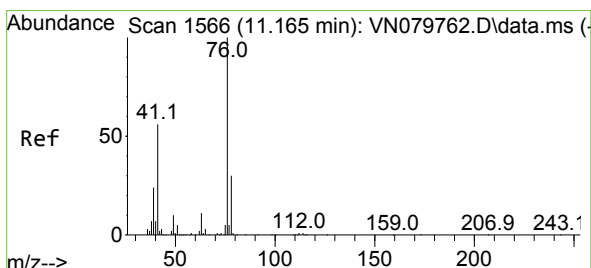
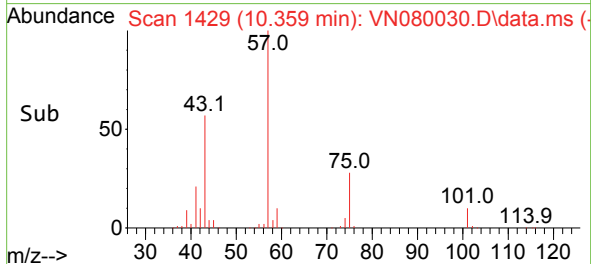
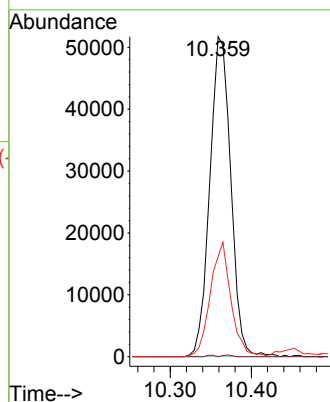
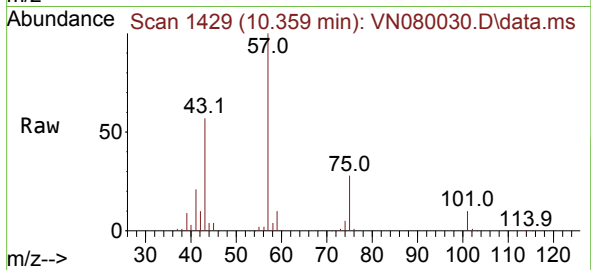




#54
 cis-1,3-Dichloropropene
 Concen: 12.562 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080030.D
 Acq: 09 Nov 2023 18:34

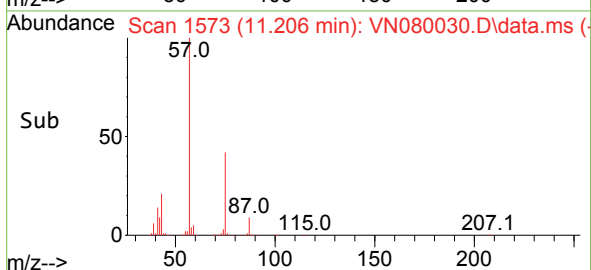
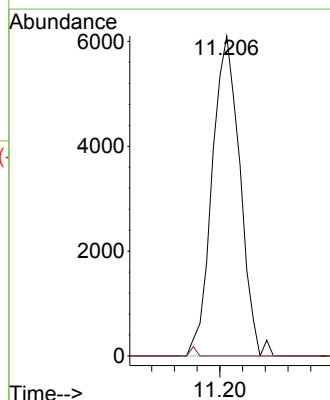
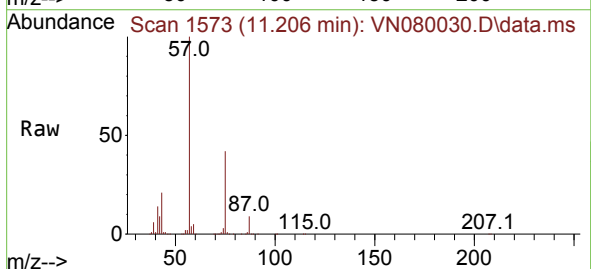
Instrument :
 MSVOA_N
 ClientSampleId :

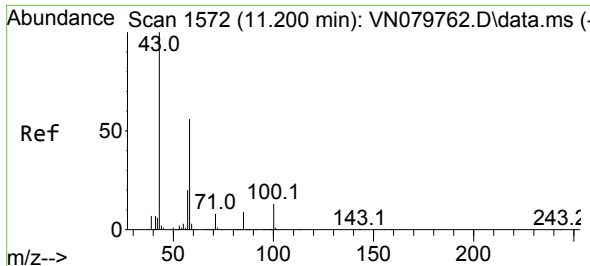
Tgt Ion: 75 Resp: 92954
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 31.3 31.6 47.4#



#57
 1,3-Dichloropropane
 Concen: 1.325 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN080030.D
 Acq: 09 Nov 2023 18:34

Tgt Ion: 76 Resp: 10361
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

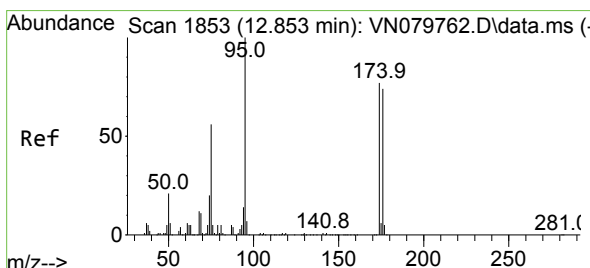
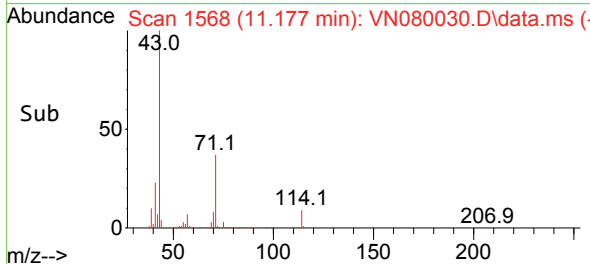
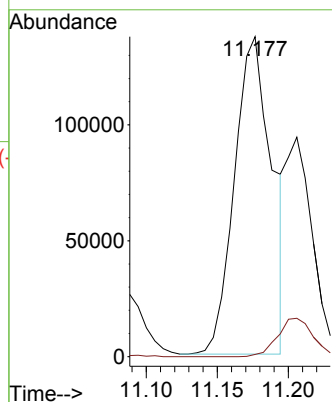
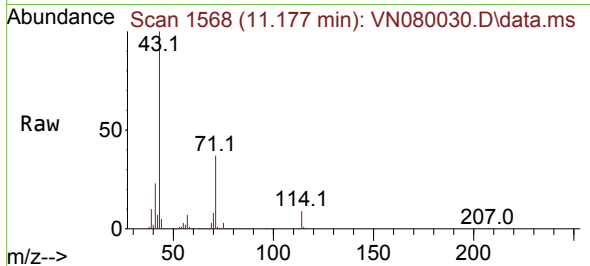




#59
2-Hexanone
Concen: 58.168 ug/l
RT: 11.177 min Scan# 11177
Delta R.T. -0.023 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

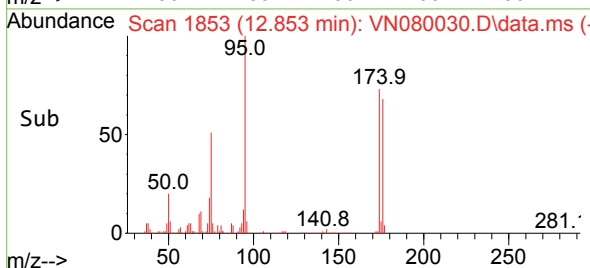
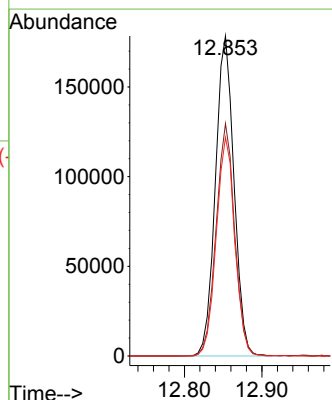
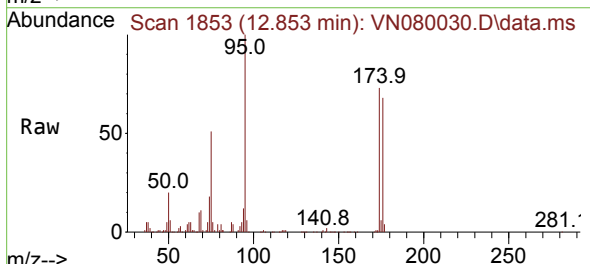
Instrument :
MSVOA_N
ClientSampleId :

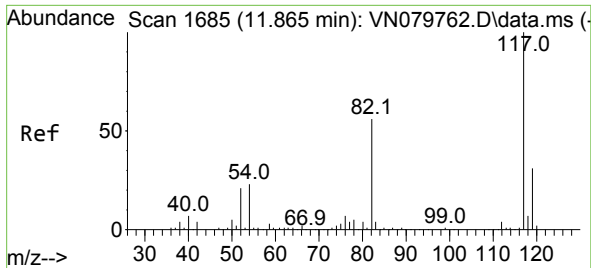
Tgt Ion: 43 Resp: 250329
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 55.934 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Tgt Ion: 95 Resp: 297146
Ion Ratio Lower Upper
95 100
174 72.6 0.0 143.8
176 67.9 0.0 135.8

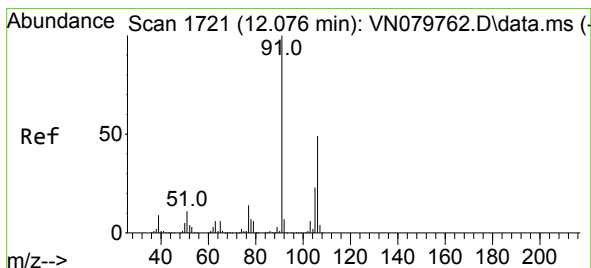
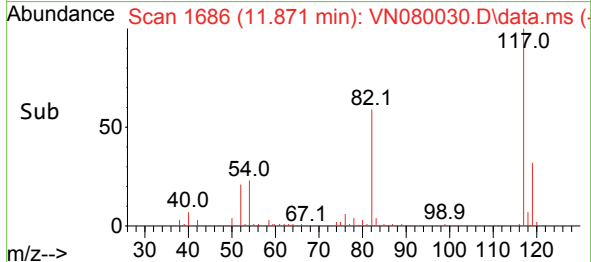
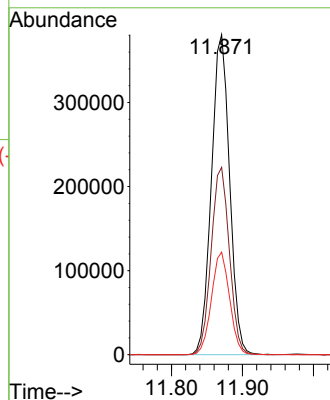
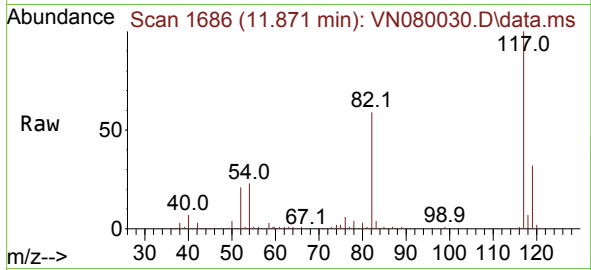




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

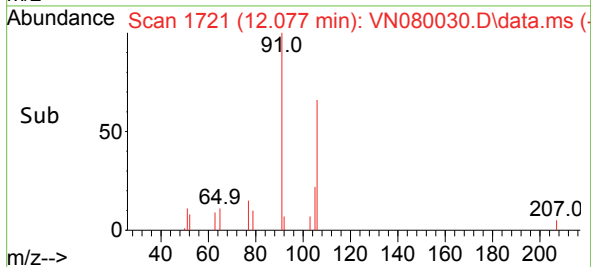
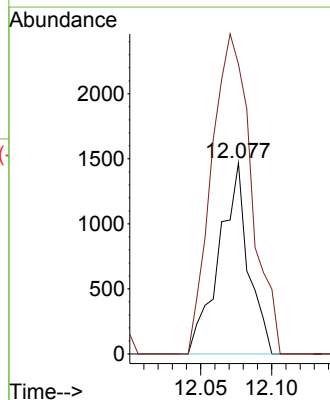
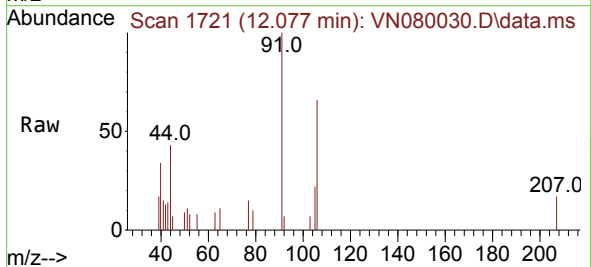
Instrument :
MSVOA_N
ClientSampleId :

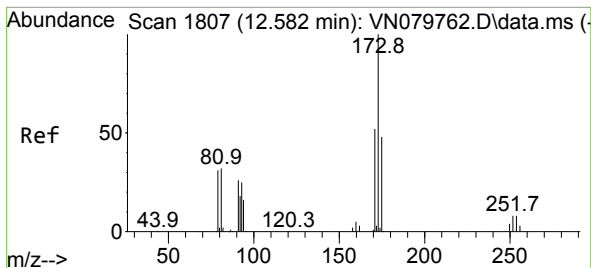
Tgt Ion:117 Resp: 677151
Ion Ratio Lower Upper
117 100
82 58.6 44.0 66.0
119 32.1 25.6 38.4



#68
m/p-Xylenes
Concen: 0.220 ug/l
RT: 12.077 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Tgt Ion:106 Resp: 2096
Ion Ratio Lower Upper
106 100
91 228.9 159.6 239.4





#71

Bromoform

Concen: 0.491 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN080030.D

Acq: 09 Nov 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :

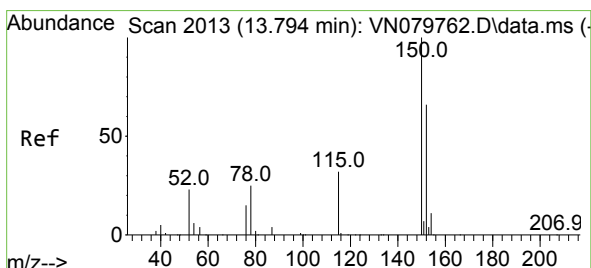
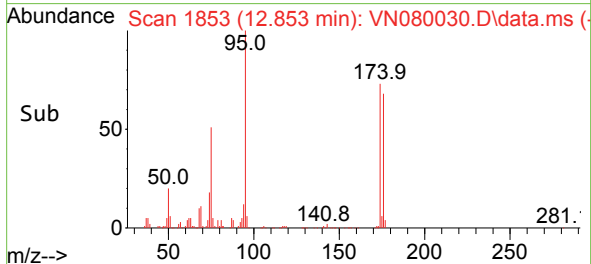
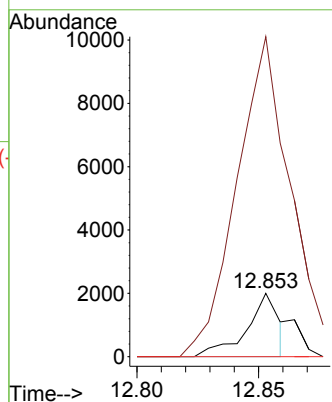
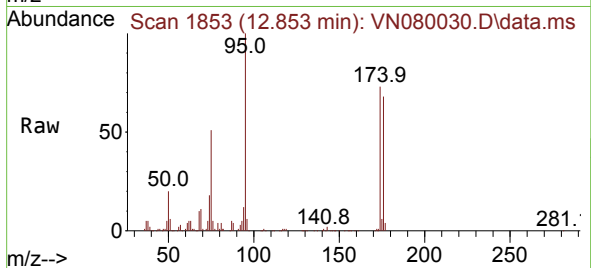
Tgt Ion:173 Resp: 1845

Ion Ratio Lower Upper

173 100

175 670.6 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: VN080030.D

Acq: 09 Nov 2023 18:34

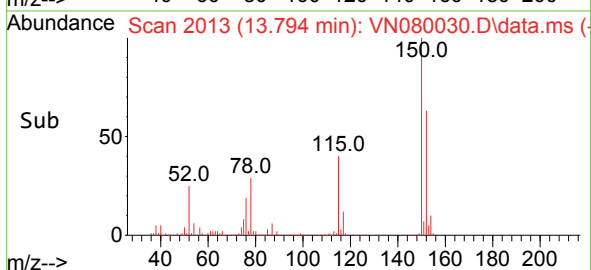
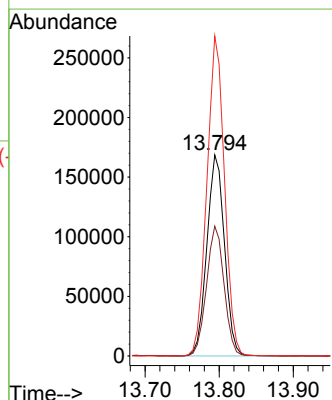
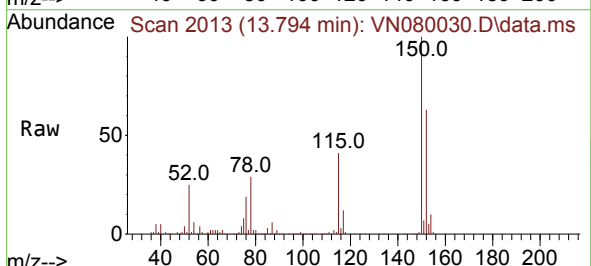
Tgt Ion:152 Resp: 278806

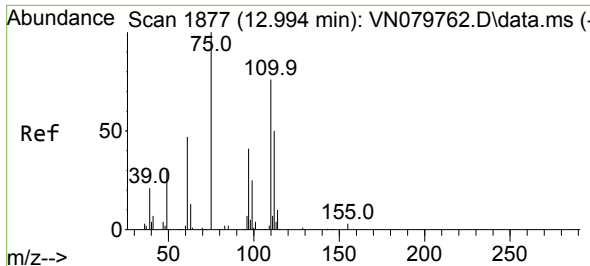
Ion Ratio Lower Upper

152 100

115 64.3 32.3 96.8

150 158.2 0.0 355.8

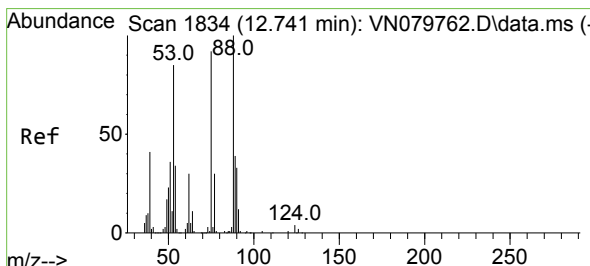
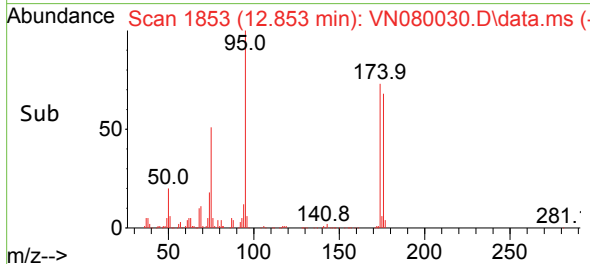
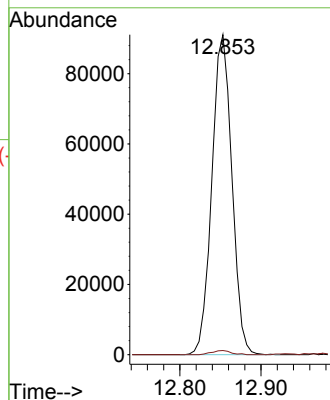
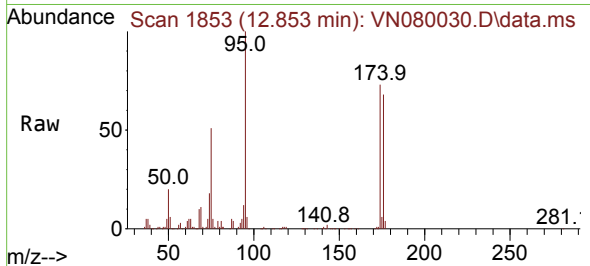




#76
1,2,3-Trichloropropane
Concen: 23.868 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

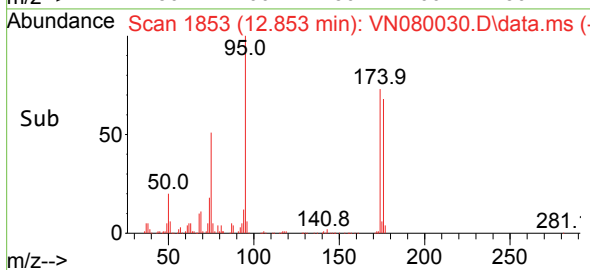
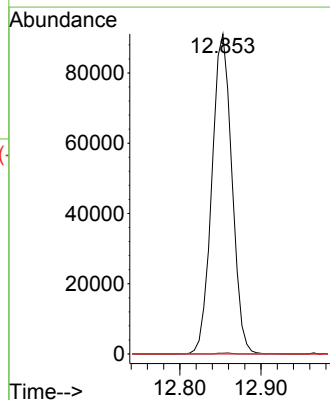
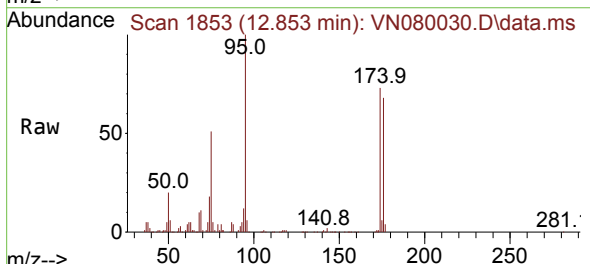
Instrument :
MSVOA_N
ClientSampleId :

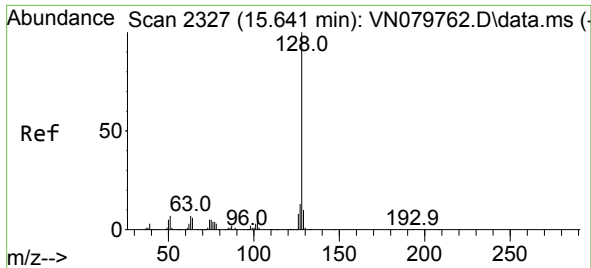
Tgt Ion: 75 Resp: 156232
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.940 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080030.D
Acq: 09 Nov 2023 18:34

Tgt Ion: 75 Resp: 156232
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 1.244 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

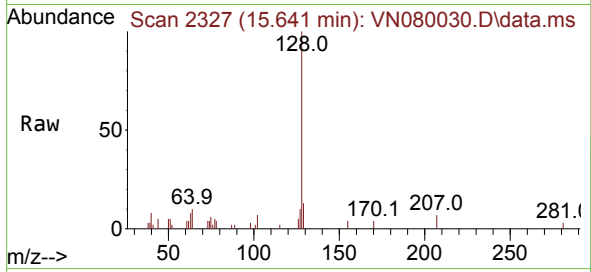
Lab File: VN080030.D

Acq: 09 Nov 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 18250

Ion Ratio Lower Upper

128 100

127 11.5 10.0 15.0

129 11.8 8.7 13.1

