

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110923\
 Data File : VN080039.D
 Acq On : 09 Nov 2023 22:09
 Operator : JC\MD
 Sample : 05311-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 00:43:38 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

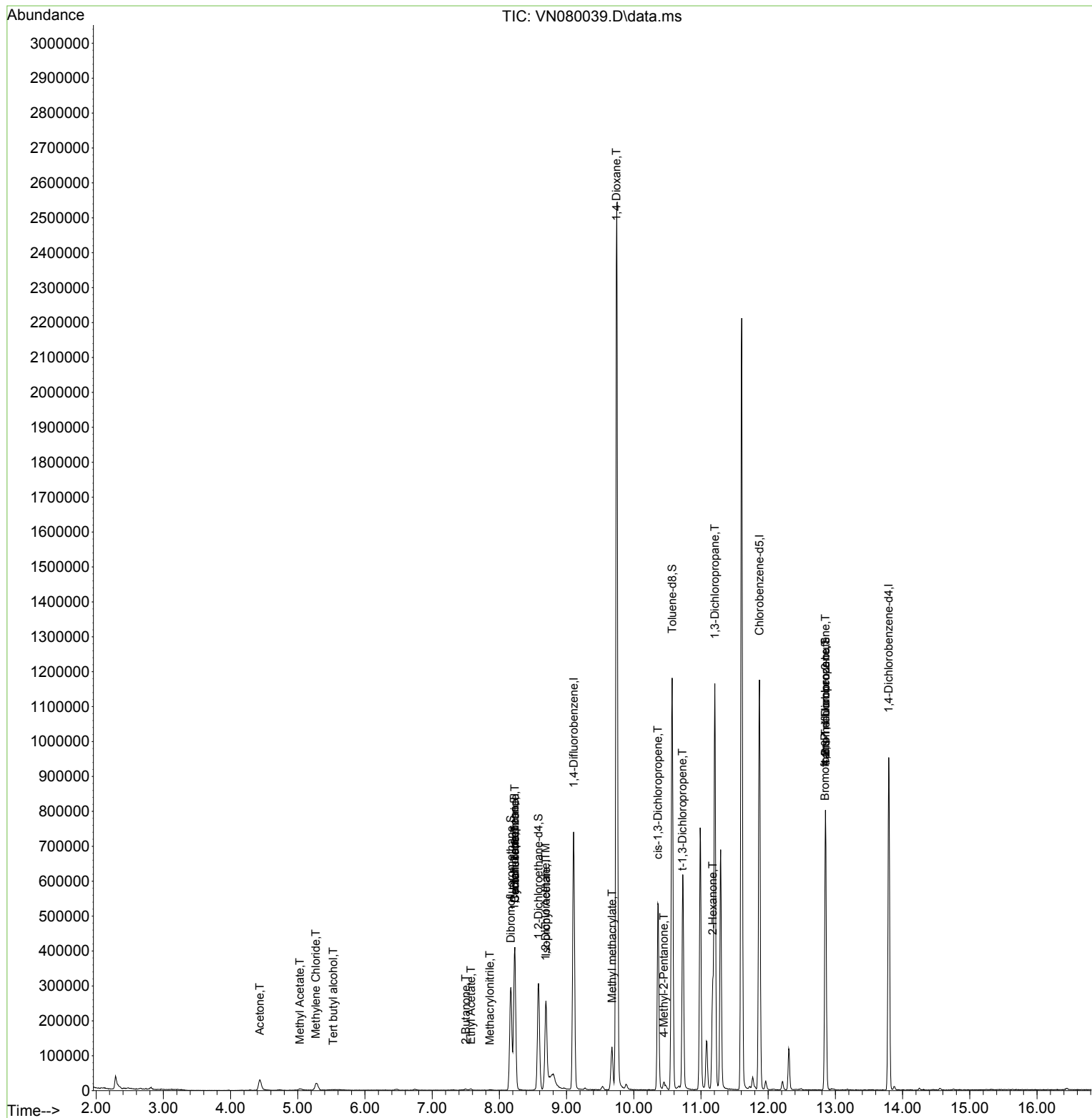
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	285744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	617197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	668532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	250697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	253375	58.202	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.400%
35) Dibromofluoromethane	8.171	113	214163	49.027	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.060%
50) Toluene-d8	10.571	98	803066	49.938	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.853	95	281676	52.814	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.620%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	1226	Below Cal	#	42
11) Tert butyl alcohol	5.530	59	633	1.139	ug/l #	72
16) Acetone	4.436	43	58311	38.132	ug/l #	82
18) Methyl Acetate	5.030	43	9291	1.270	ug/l #	61
20) Methylene Chloride	5.271	84	15703	4.070	ug/l #	85
25) 2-Butanone	7.500	43	5947	2.656	ug/l #	70
31) Cyclohexane	8.230	56	7061	1.227	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	25946	4.160	ug/l #	48
37) Ethyl Acetate	7.577	43	6874	1.202	ug/l #	76
38) Carbon Tetrachloride	8.230	117	31054	4.940	ug/l #	16
41) Methacrylonitrile	7.859	41	752	0.248	ug/l #	31
42) 1,2-Dichloroethane	8.688	62	2207	0.338	ug/l #	73
43) Isopropyl Acetate	8.694	43	296517	29.558	ug/l #	79
48) Methyl methacrylate	9.677	41	7883	1.794	ug/l #	30
49) 1,4-Dioxane	9.741	88	263	3.387	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	13066	2.314	ug/l	95
53) t-1,3-Dichloropropene	10.724	75	1866	0.274	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	94111	12.669	ug/l #	72
57) 1,3-Dichloropropane	11.206	76	11615	1.479	ug/l #	42
59) 2-Hexanone	11.176	43	257906	59.694	ug/l #	19
71) Bromoform	12.847	173	1338	0.361	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	148916	25.302	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	148916	68.840	ug/l #	15

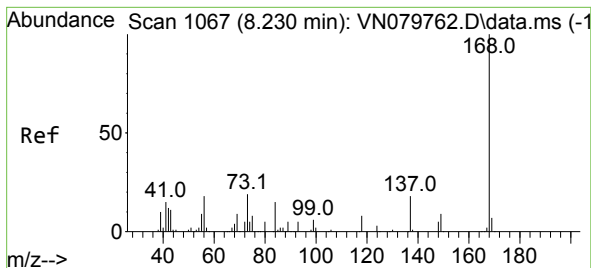
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 10

Delta R.T. 0.001 min

Lab File: VN080039.D

Acq: 09 Nov 2023 22:09

Instrument :

MSVOA_N

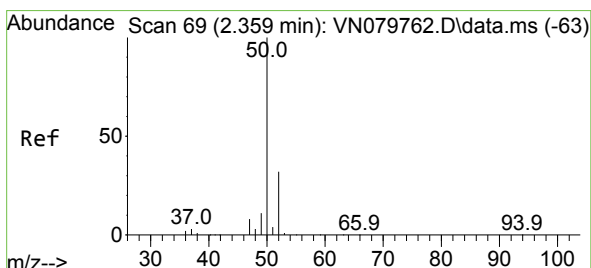
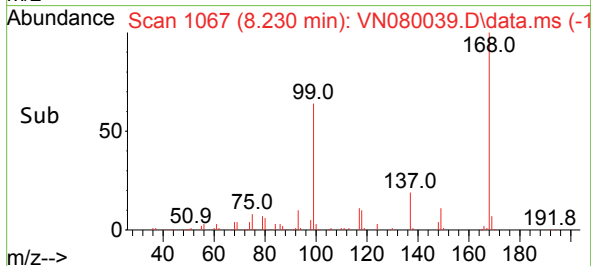
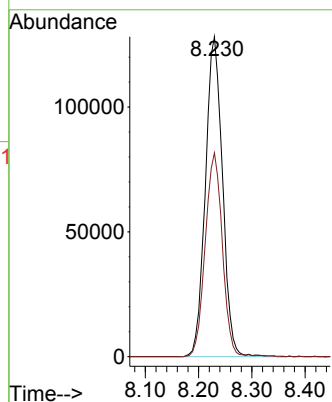
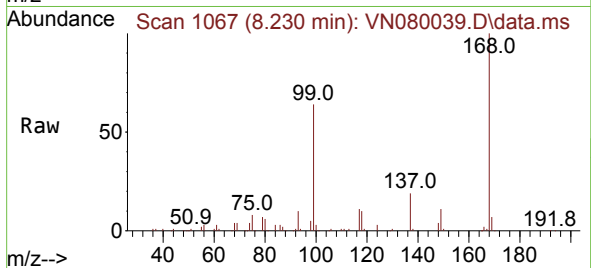
ClientSampleId :

Tgt Ion:168 Resp: 285744

Ion Ratio Lower Upper

168 100

99 63.7 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN080039.D

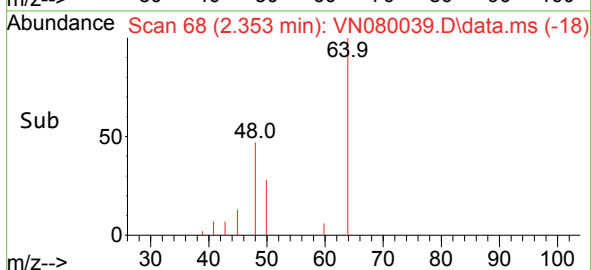
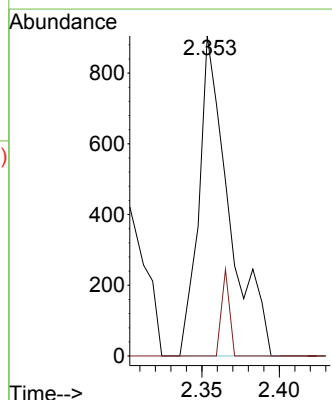
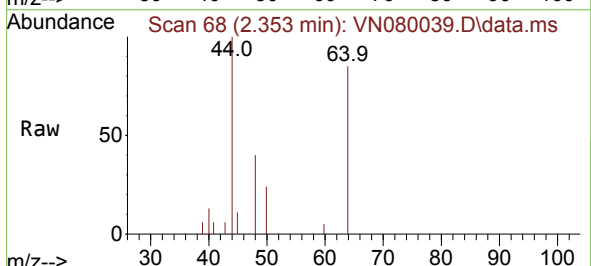
Acq: 09 Nov 2023 22:09

Tgt Ion: 50 Resp: 1226

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

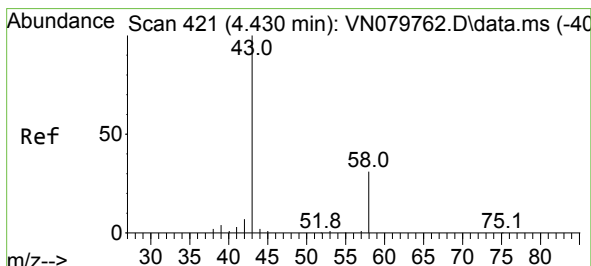
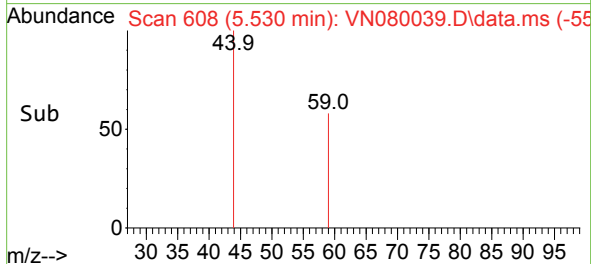
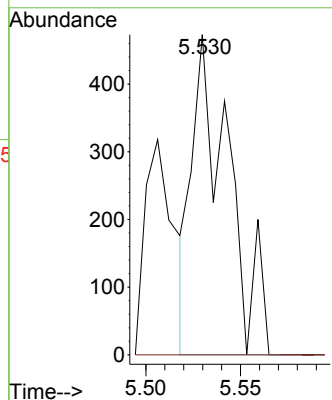
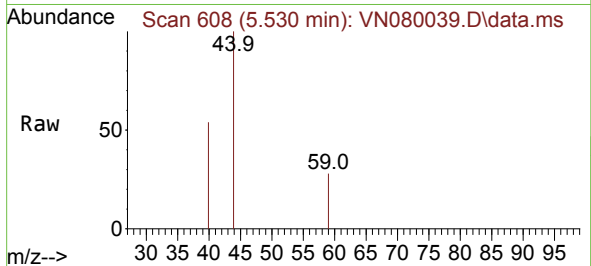




#11
Tert butyl alcohol
Concen: 1.139 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

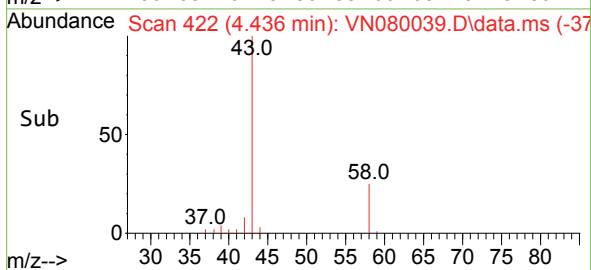
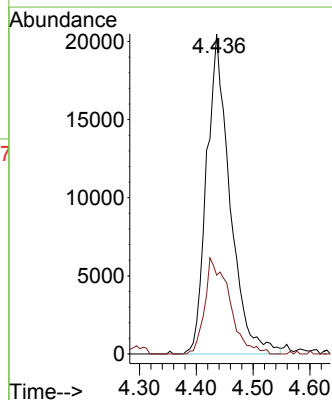
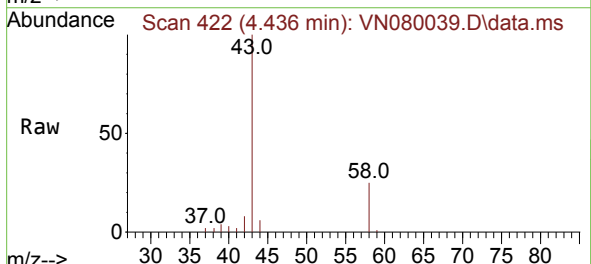
Instrument :
MSVOA_N
ClientSampleId :

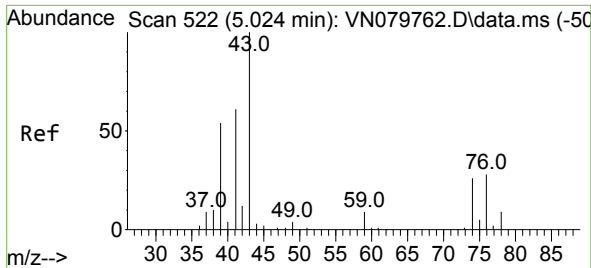
Tgt Ion: 59 Resp: 633
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 38.132 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

Tgt Ion: 43 Resp: 58311
Ion Ratio Lower Upper
43 100
58 24.7 28.0 42.0#

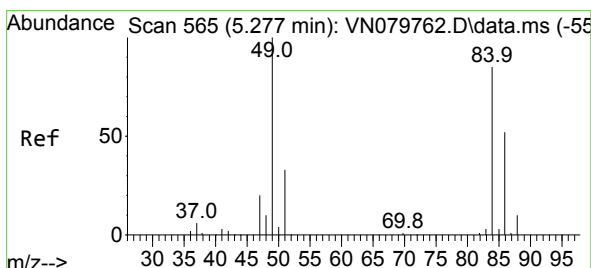
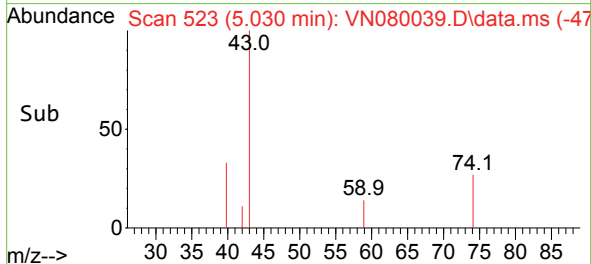
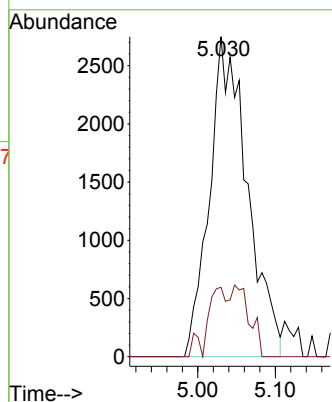
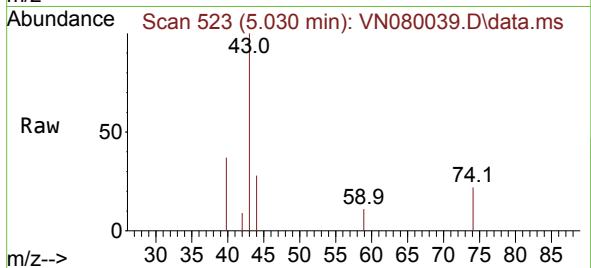




#18
Methyl Acetate
Concen: 1.270 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

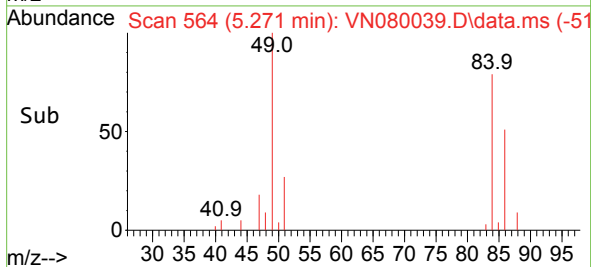
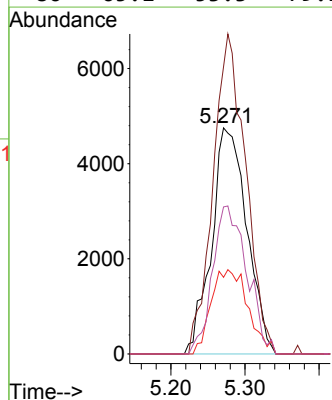
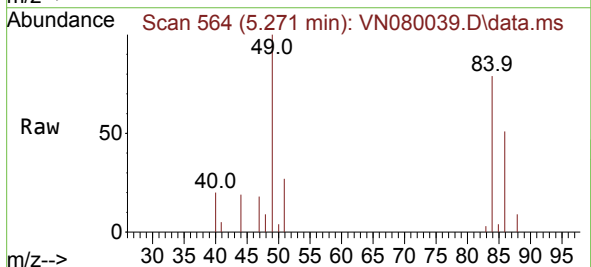
Instrument :
MSVOA_N
ClientSampleId :

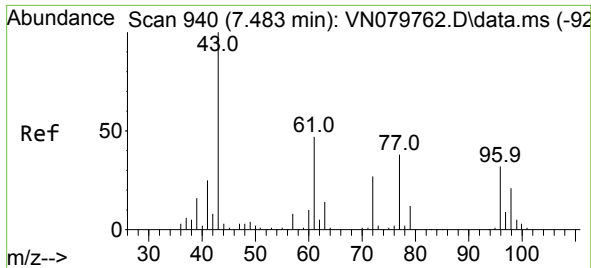
Tgt Ion: 43 Resp: 9291
Ion Ratio Lower Upper
43 100
74 10.8 26.2 39.4#



#20
Methylene Chloride
Concen: 4.070 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

Tgt Ion: 84 Resp: 15703
Ion Ratio Lower Upper
84 100
49 127.1 79.7 119.5#
51 33.9 25.2 37.8
86 65.1 53.3 79.9

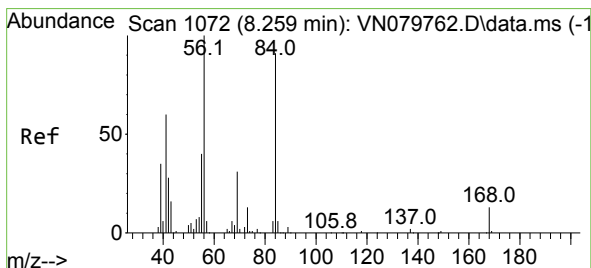
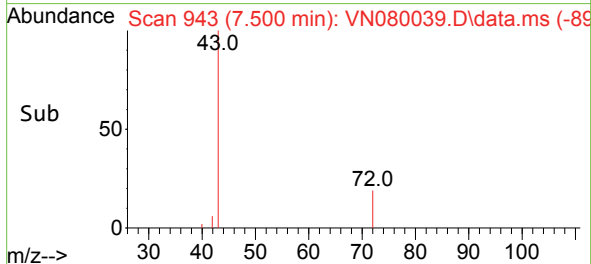
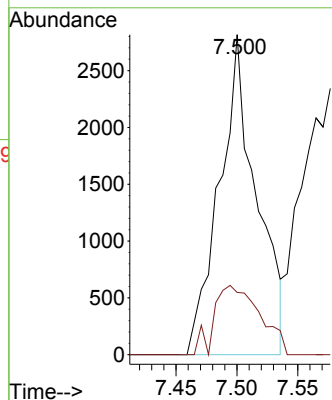
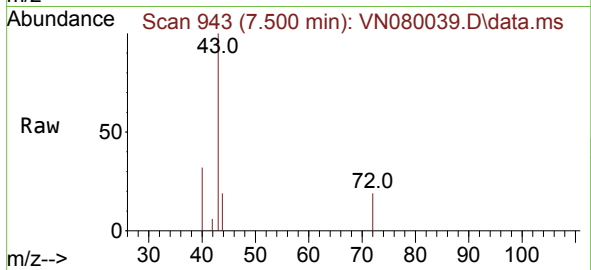




#25
2-Butanone
Concen: 2.656 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

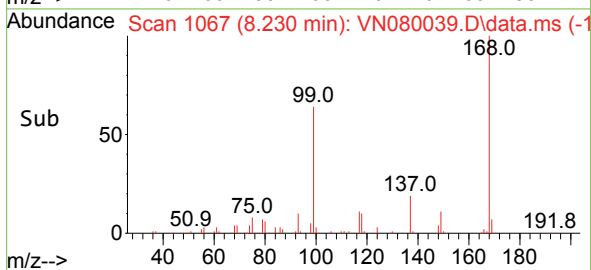
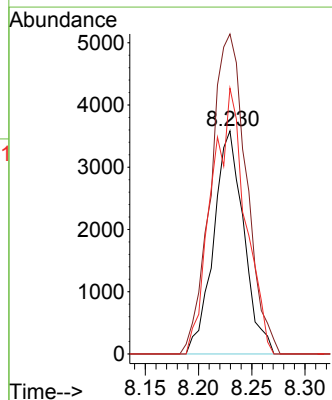
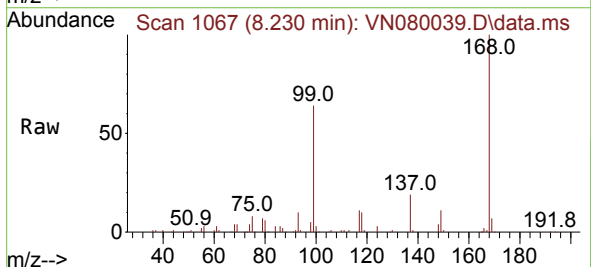
Instrument :
MSVOA_N
ClientSampleId :

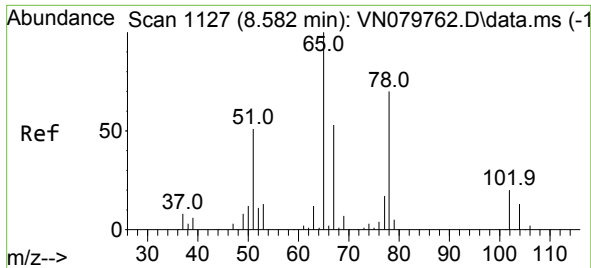
Tgt Ion: 43 Resp: 5947
Ion Ratio Lower Upper
43 100
72 19.5 30.2 45.2#



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

Tgt Ion: 56 Resp: 7061
Ion Ratio Lower Upper
56 100
69 143.4 26.8 40.2#
84 119.1 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 58.202 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080039.D

Acq: 09 Nov 2023 22:09

Instrument :

MSVOA_N

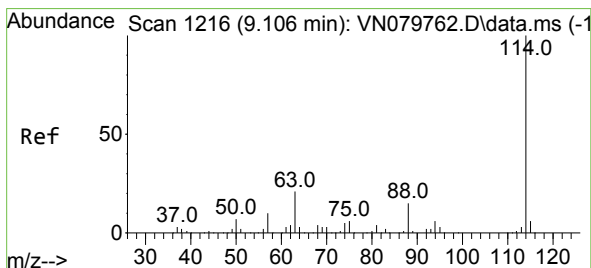
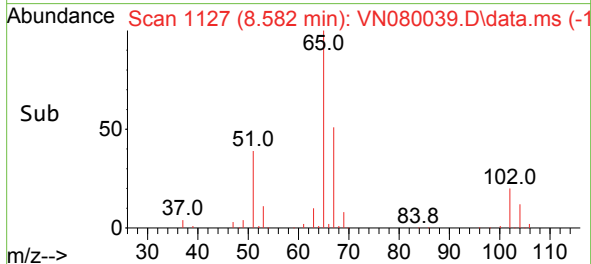
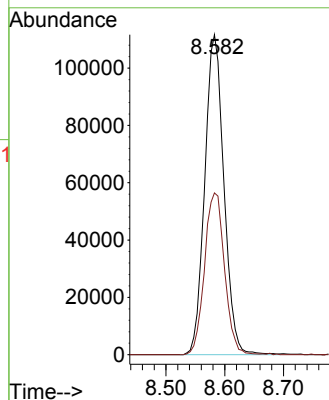
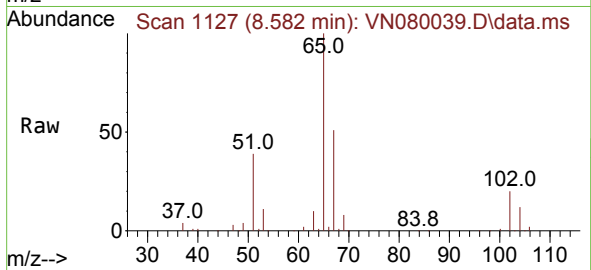
ClientSampleId :

Tgt Ion: 65 Resp: 253375

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080039.D

Acq: 09 Nov 2023 22:09

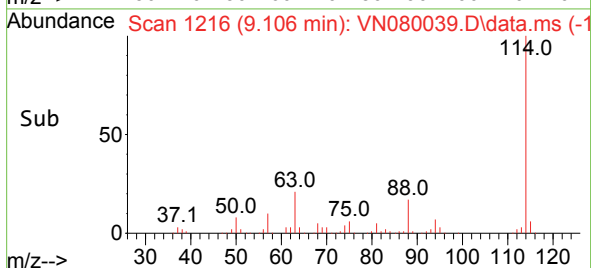
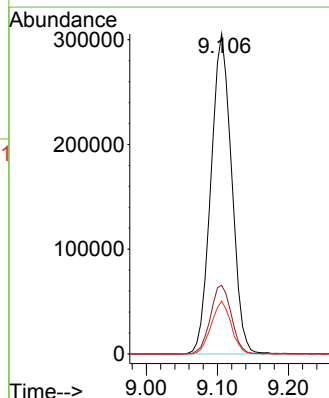
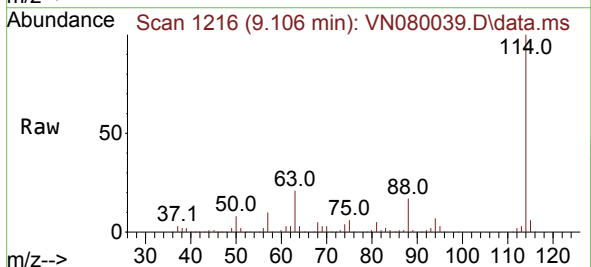
Tgt Ion: 114 Resp: 617197

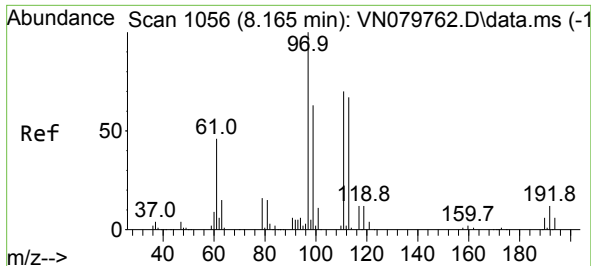
Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

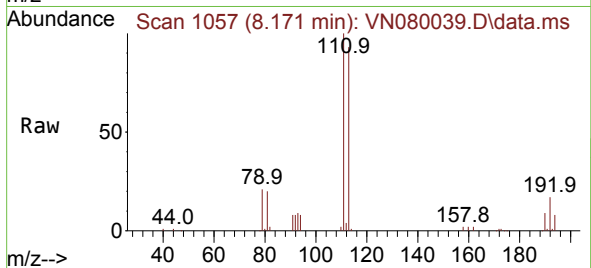
88 16.5 0.0 30.6



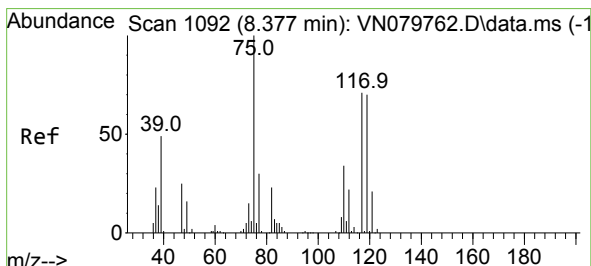
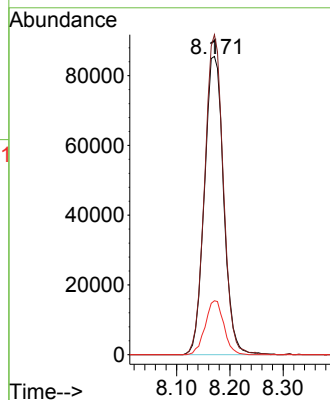
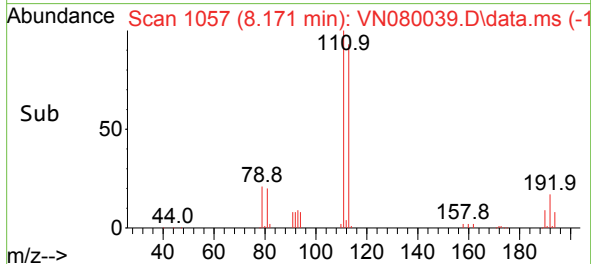


#35
Dibromofluoromethane
Concen: 49.027 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

Instrument :
MSVOA_N
ClientSampleId :

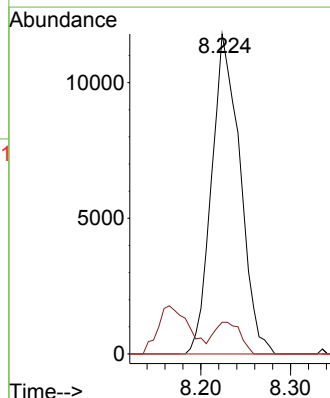
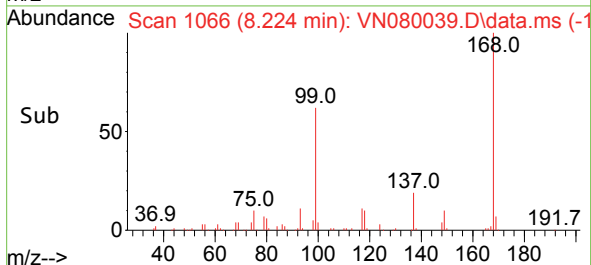
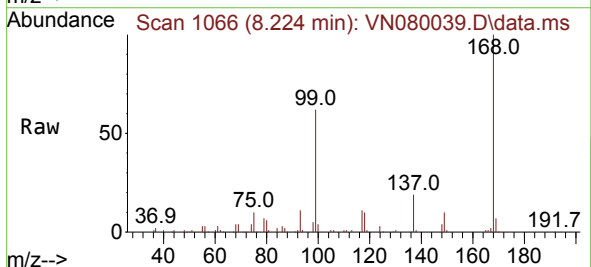


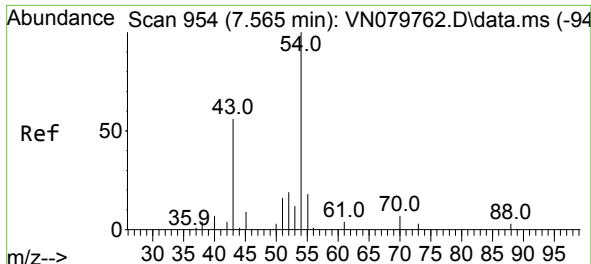
Tgt Ion:113 Resp: 214163
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 17.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.160 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

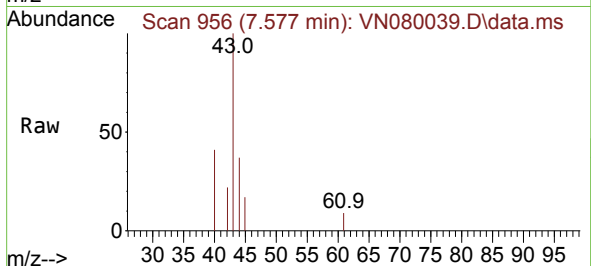
Tgt Ion: 75 Resp: 25946
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.3#
77 0.0 25.0 37.4#



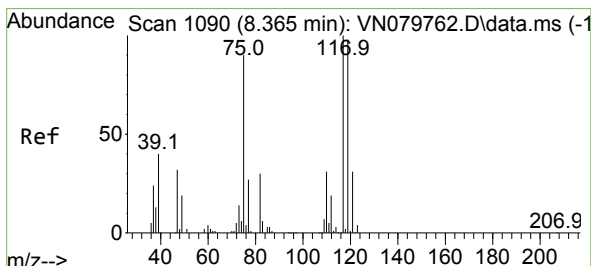
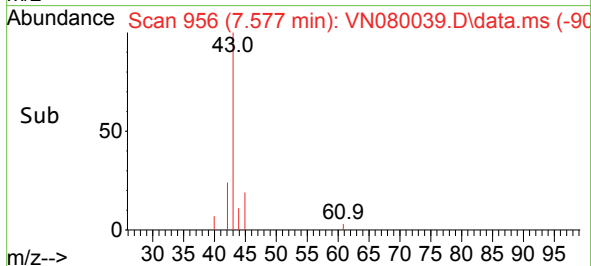
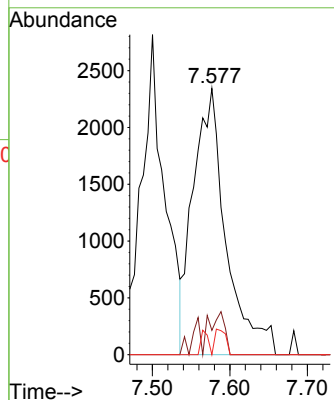


#37
Ethyl Acetate
Concen: 1.202 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

Instrument :
MSVOA_N
ClientSampleId :

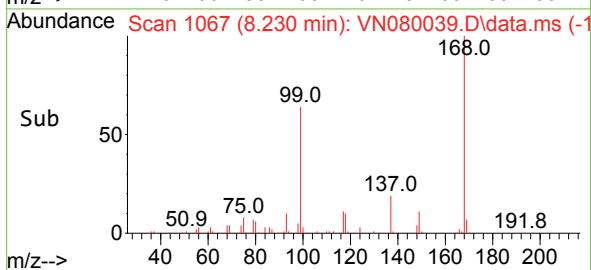
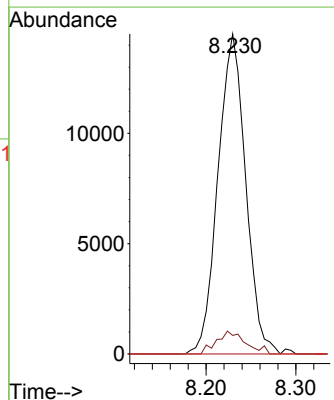
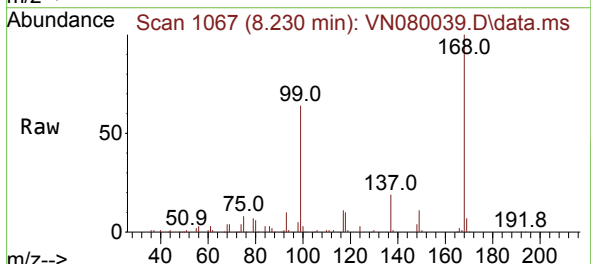


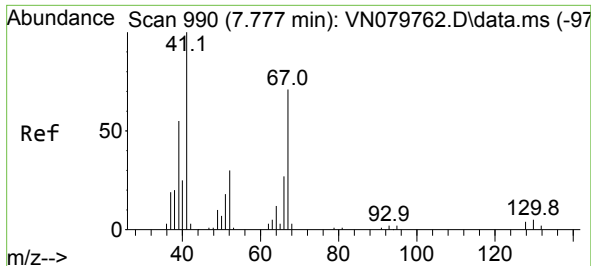
Tgt Ion: 43 Resp: 6874
Ion Ratio Lower Upper
43 100
61 7.6 13.2 19.8#
70 3.2 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.940 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

Tgt Ion: 117 Resp: 31054
Ion Ratio Lower Upper
117 100
119 5.8 77.3 115.9#
121 0.0 23.3 34.9#

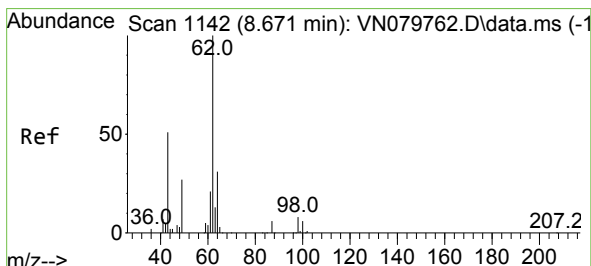
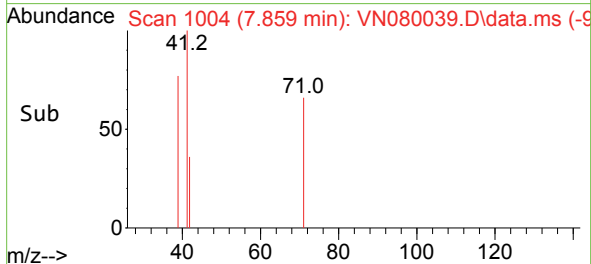
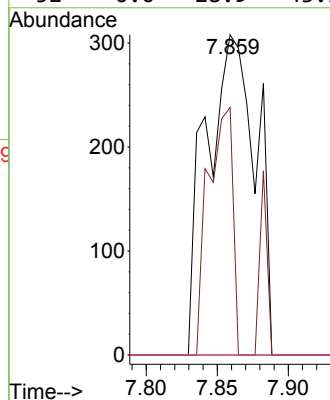
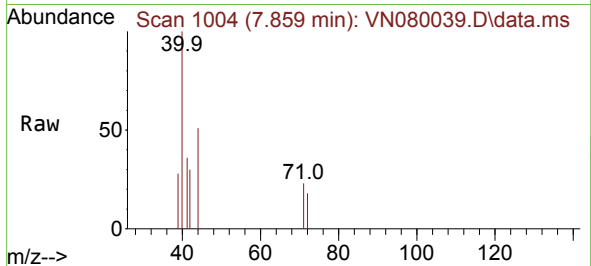




#41
Methacrylonitrile
Concen: 0.248 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.077 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

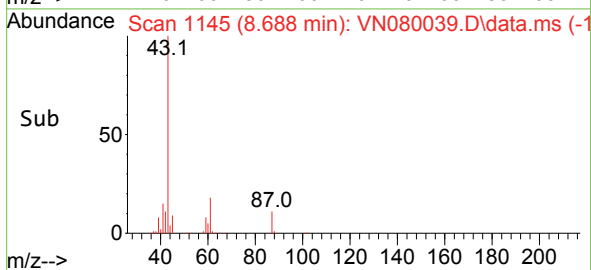
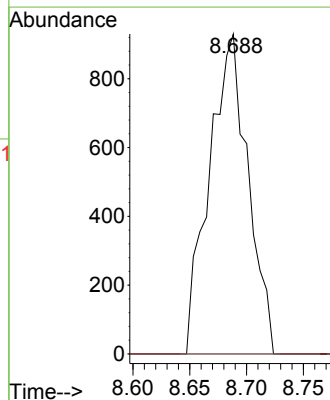
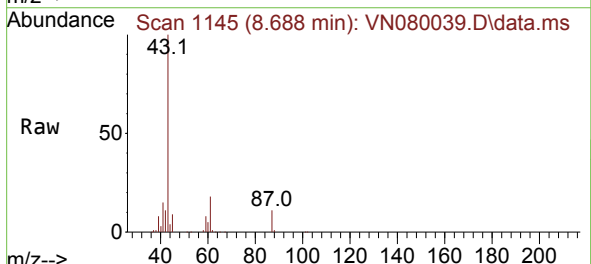
Instrument :
MSVOA_N
ClientSampleId :

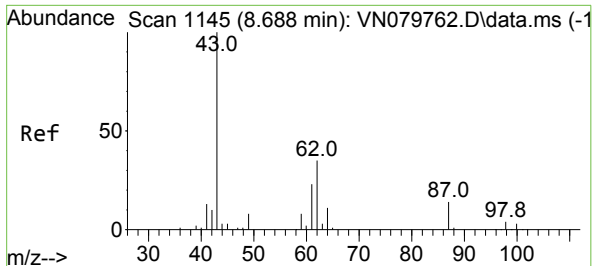
Tgt Ion: 41	Resp: 752
Ion Ratio	Lower Upper
41 100	
39 38.0	42.6 64.0#
67 0.0	77.5 116.3#
52 0.0	28.9 43.3#



#42
1,2-Dichloroethane
Concen: 0.338 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

Tgt Ion: 62	Resp: 2207
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 19.8

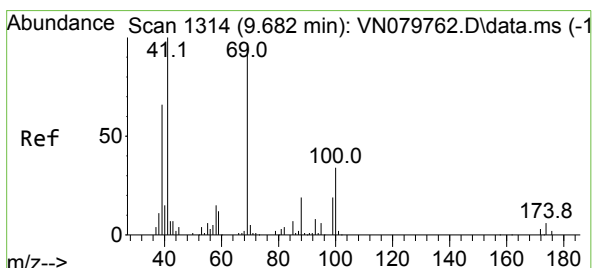
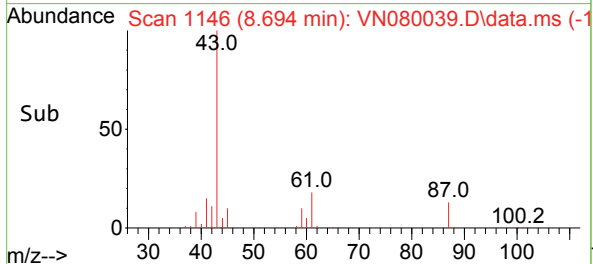
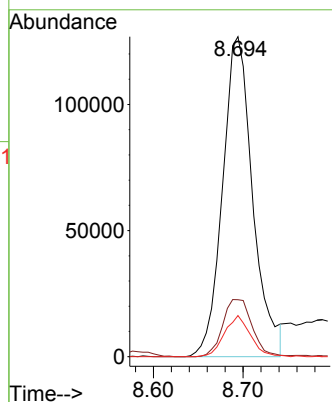
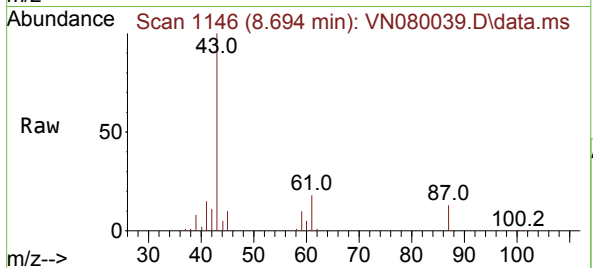




#43
Isopropyl Acetate
Concen: 29.558 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

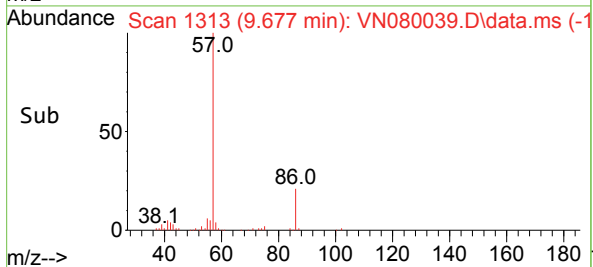
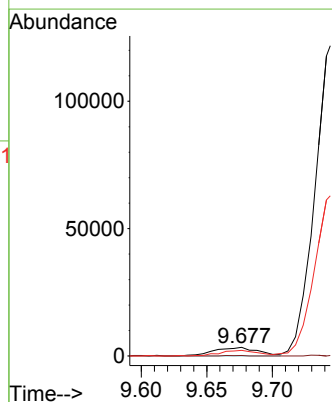
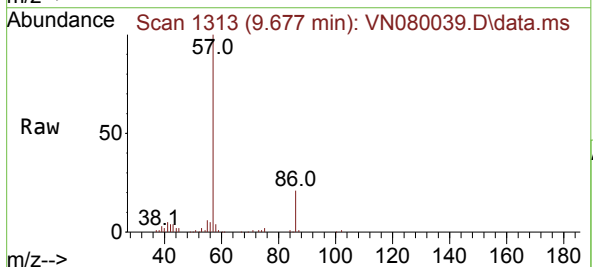
Instrument :
MSVOA_N
ClientSampleId :

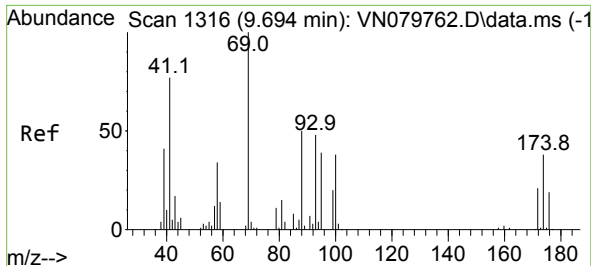
Tgt Ion: 43 Resp: 296517
Ion Ratio Lower Upper
43 100
61 17.4 24.7 37.1#
87 11.1 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.794 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

Tgt Ion: 41 Resp: 7883
Ion Ratio Lower Upper
41 100
69 2.2 90.4 135.6#
39 56.7 54.6 81.8





#49

1,4-Dioxane

Concen: 3.387 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN080039.D

Acq: 09 Nov 2023 22:09

Instrument :

MSVOA_N

ClientSampleId :

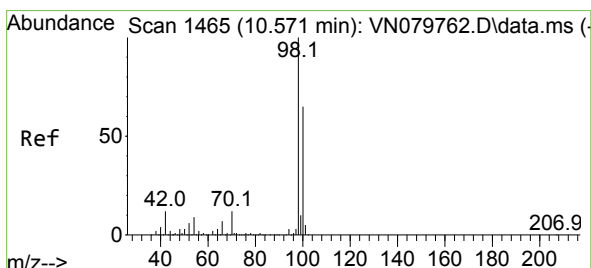
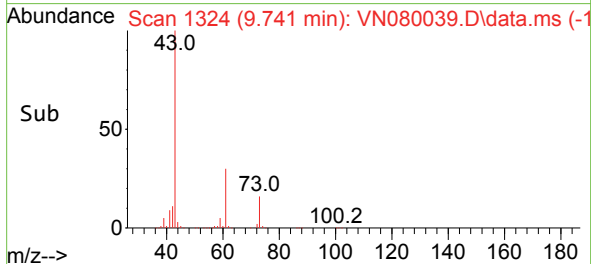
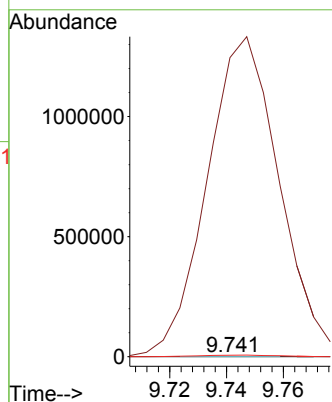
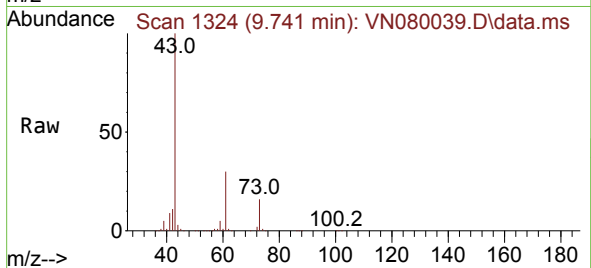
Tgt Ion: 88 Resp: 263

Ion Ratio Lower Upper

88 100

43 902311.0 17.0 25.6#

58 5075.3 47.0 70.4#



#50

Toluene-d8

Concen: 49.938 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN080039.D

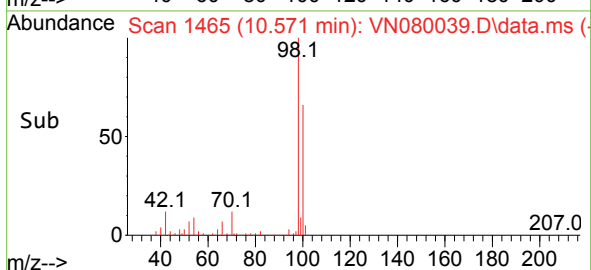
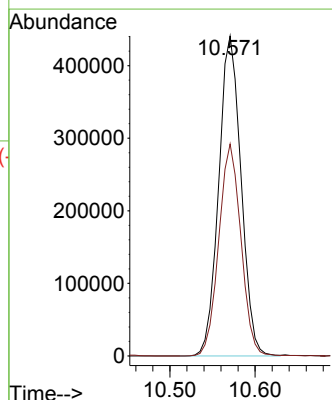
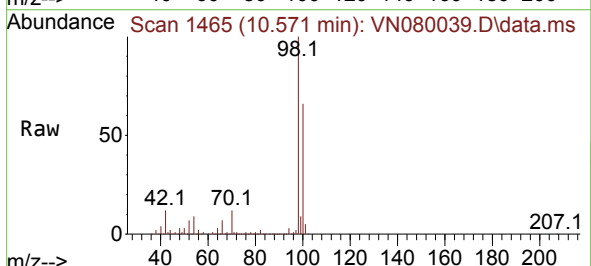
Acq: 09 Nov 2023 22:09

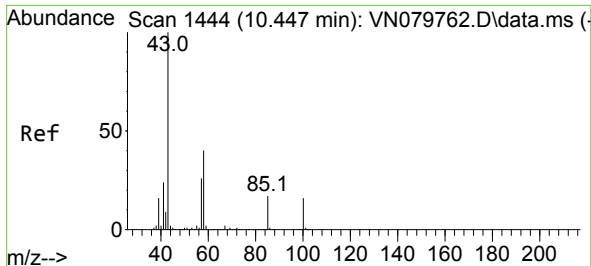
Tgt Ion: 98 Resp: 803066

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 2.314 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN080039.D

Acq: 09 Nov 2023 22:09

Instrument :

MSVOA_N

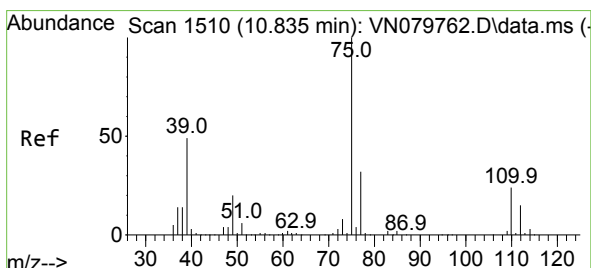
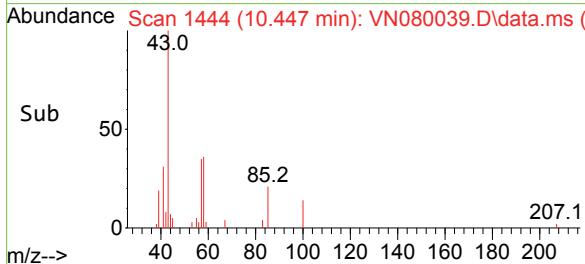
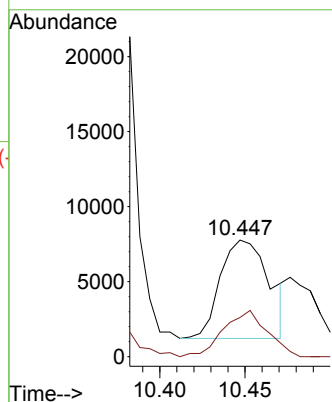
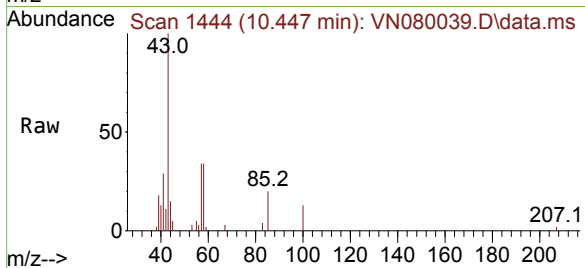
ClientSampleId :

Tgt Ion: 43 Resp: 13066

Ion Ratio Lower Upper

43 100

58 42.1 36.6 54.8



#53

t-1,3-Dichloropropene

Concen: 0.274 ug/l

RT: 10.724 min Scan# 1491

Delta R.T. -0.118 min

Lab File: VN080039.D

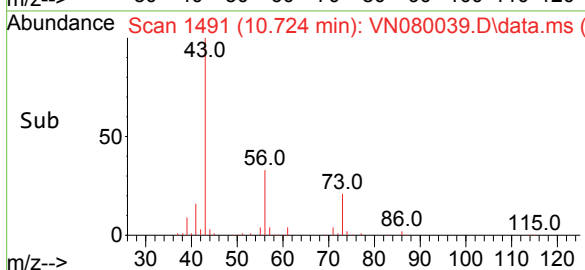
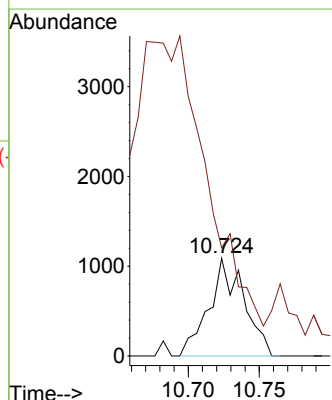
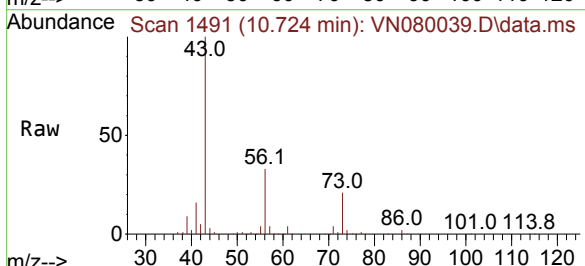
Acq: 09 Nov 2023 22:09

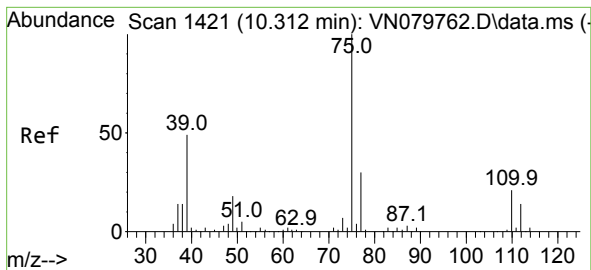
Tgt Ion: 75 Resp: 1866

Ion Ratio Lower Upper

75 100

77 36.8 25.4 38.0

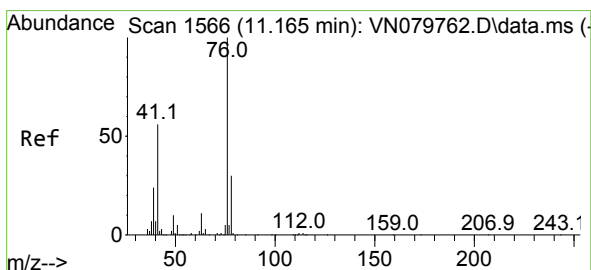
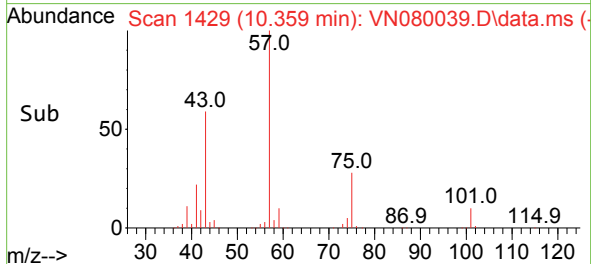
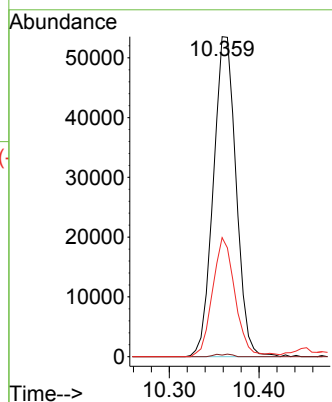
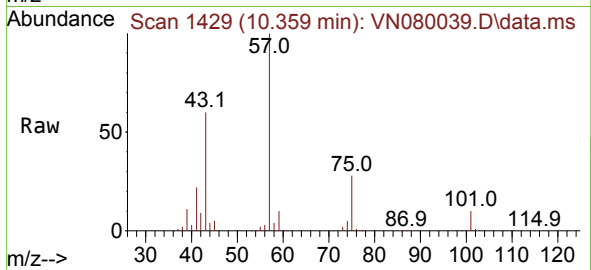




#54
 cis-1,3-Dichloropropene
 Concen: 12.669 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080039.D
 Acq: 09 Nov 2023 22:09

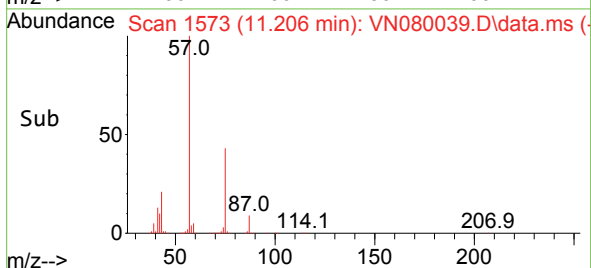
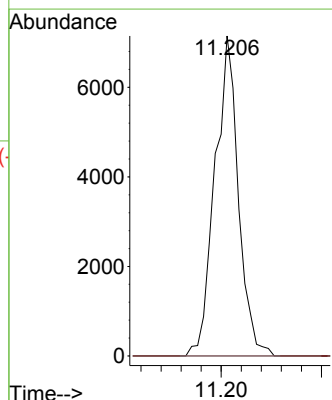
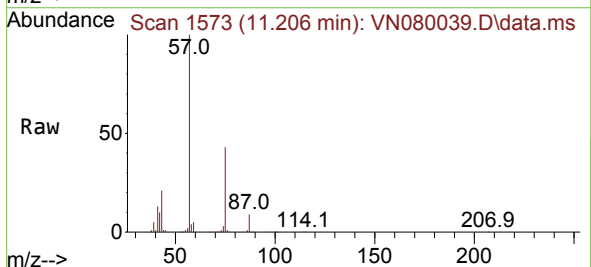
Instrument :
 MSVOA_N
 ClientSampleId :

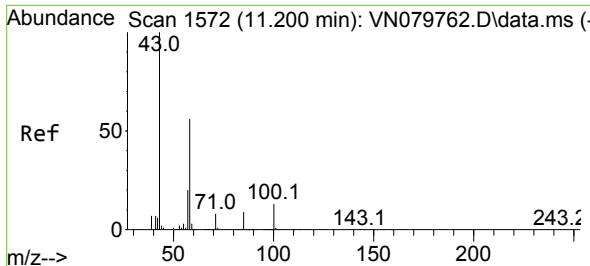
Tgt Ion: 75 Resp: 94111
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 37.2 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.479 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN080039.D
 Acq: 09 Nov 2023 22:09

Tgt Ion: 76 Resp: 11615
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

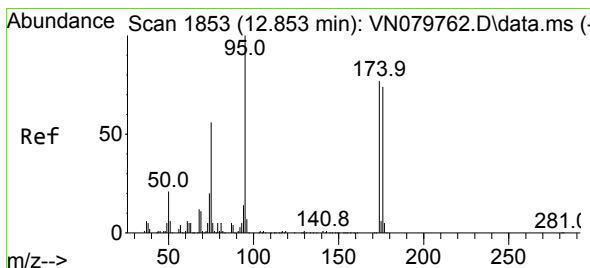
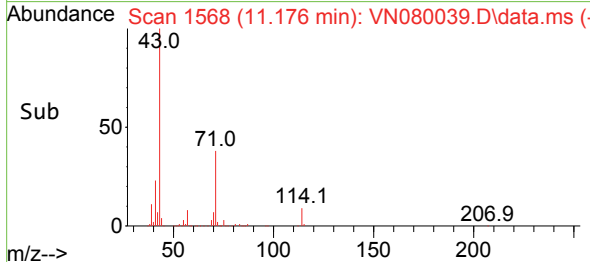
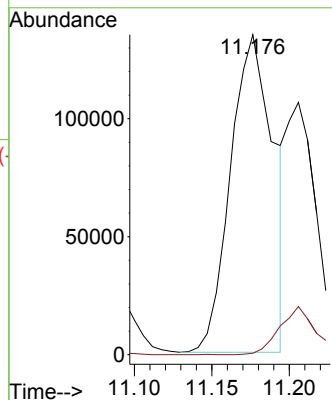
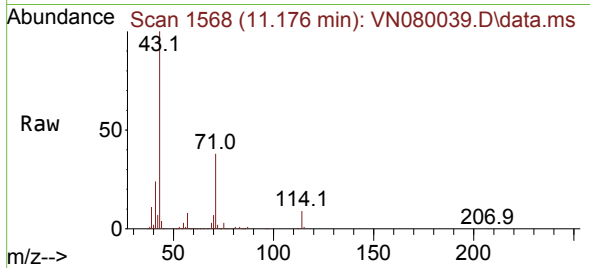




#59
2-Hexanone
Concen: 59.694 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.023 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

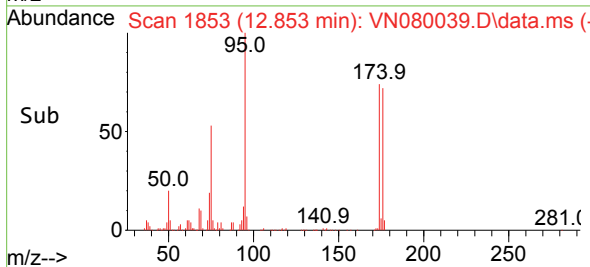
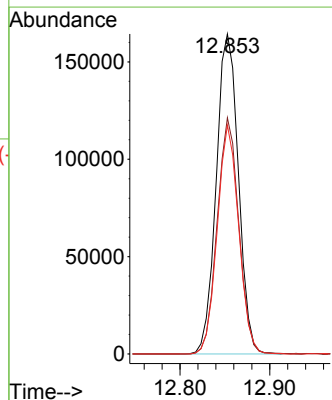
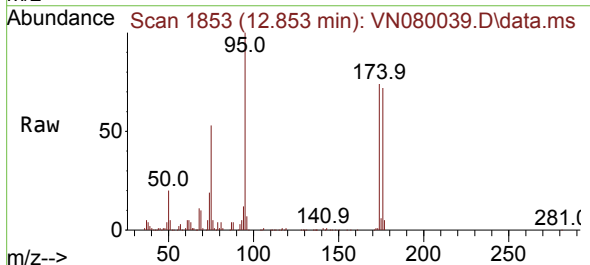
Instrument :
MSVOA_N
ClientSampleId :

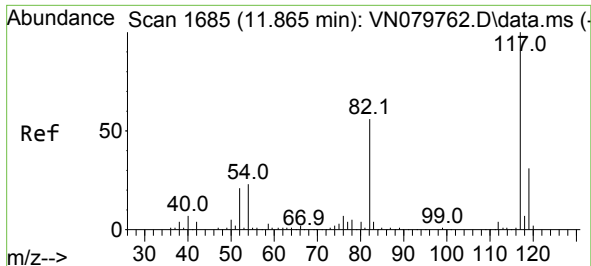
Tgt Ion: 43 Resp: 257906
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.814 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

Tgt Ion: 95 Resp: 281676
Ion Ratio Lower Upper
95 100
174 72.0 0.0 143.8
176 69.2 0.0 135.8

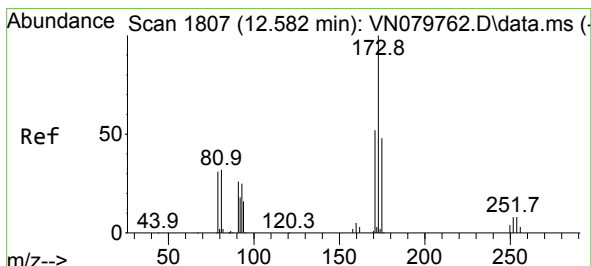
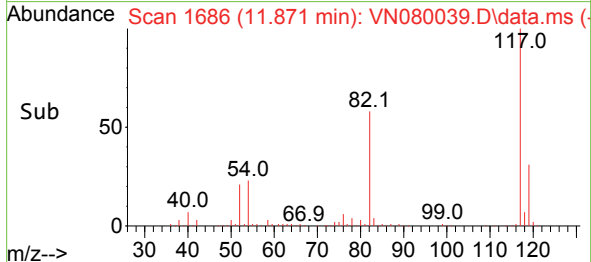
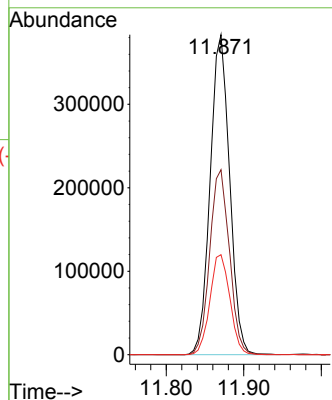
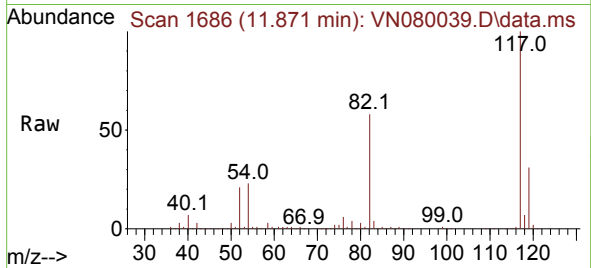




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

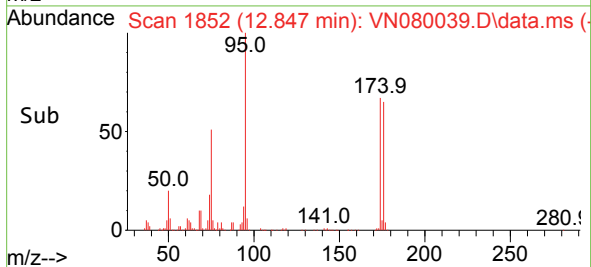
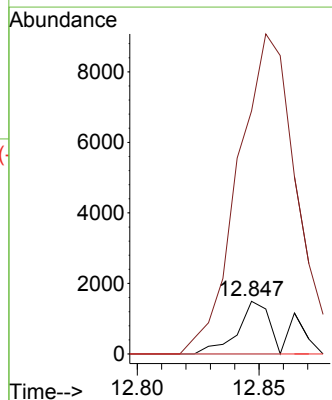
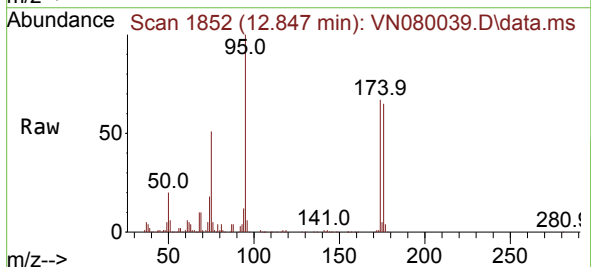
Instrument :
MSVOA_N
ClientSampleId :

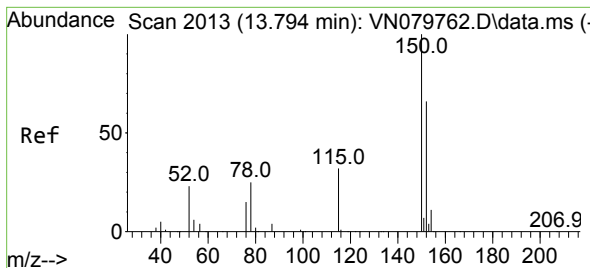
Tgt Ion:117 Resp: 668532
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.361 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080039.D
Acq: 09 Nov 2023 22:09

Tgt Ion:173 Resp: 1338
Ion Ratio Lower Upper
173 100
175 882.2 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# 20

Delta R.T. 0.000 min

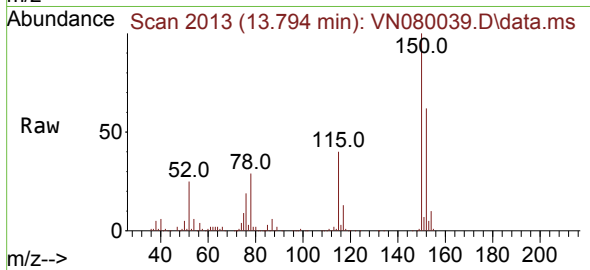
Lab File: VN080039.D

Acq: 09 Nov 2023 22:09

Instrument :

MSVOA_N

ClientSampleId :



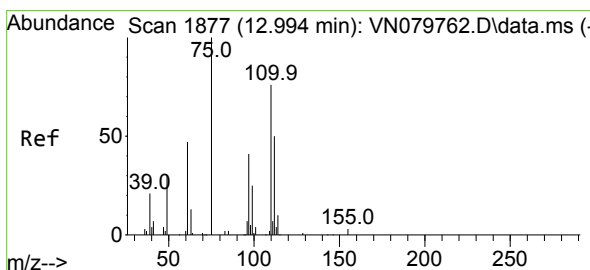
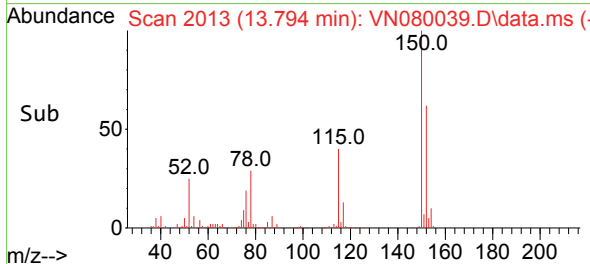
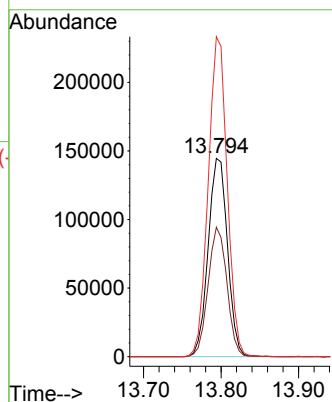
Tgt Ion:152 Resp: 250697

Ion Ratio Lower Upper

152 100

115 63.6 32.3 96.8

150 158.1 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.302 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080039.D

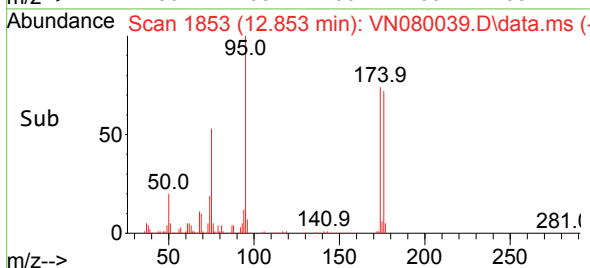
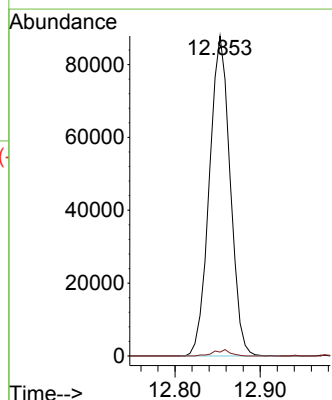
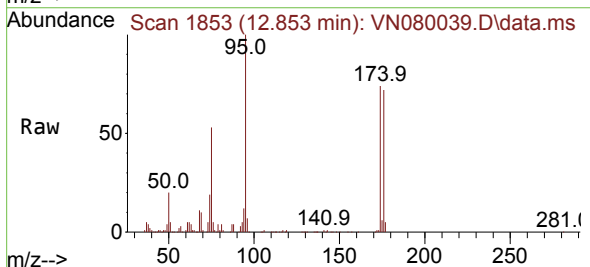
Acq: 09 Nov 2023 22:09

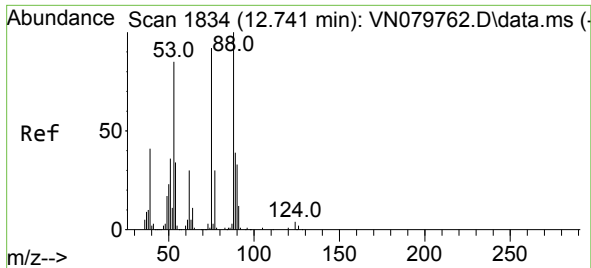
Tgt Ion: 75 Resp: 148916

Ion Ratio Lower Upper

75 100

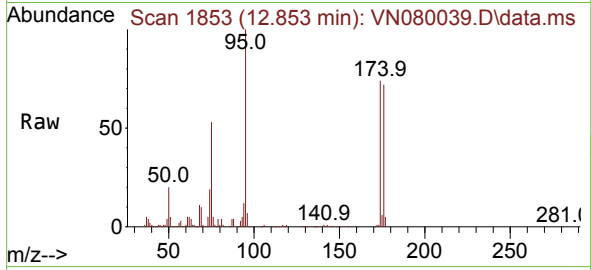
77 1.6 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.840 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080039.D
 Acq: 09 Nov 2023 22:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	148916
Ion	Ratio	Lower	Upper
75	100		
53	0.2	67.4	101.2#
89	0.0	38.8	58.2#

