

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110923\
 Data File : VN080034.D
 Acq On : 09 Nov 2023 20:10
 Operator : JC\MD
 Sample : 05311-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 00:41:36 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)

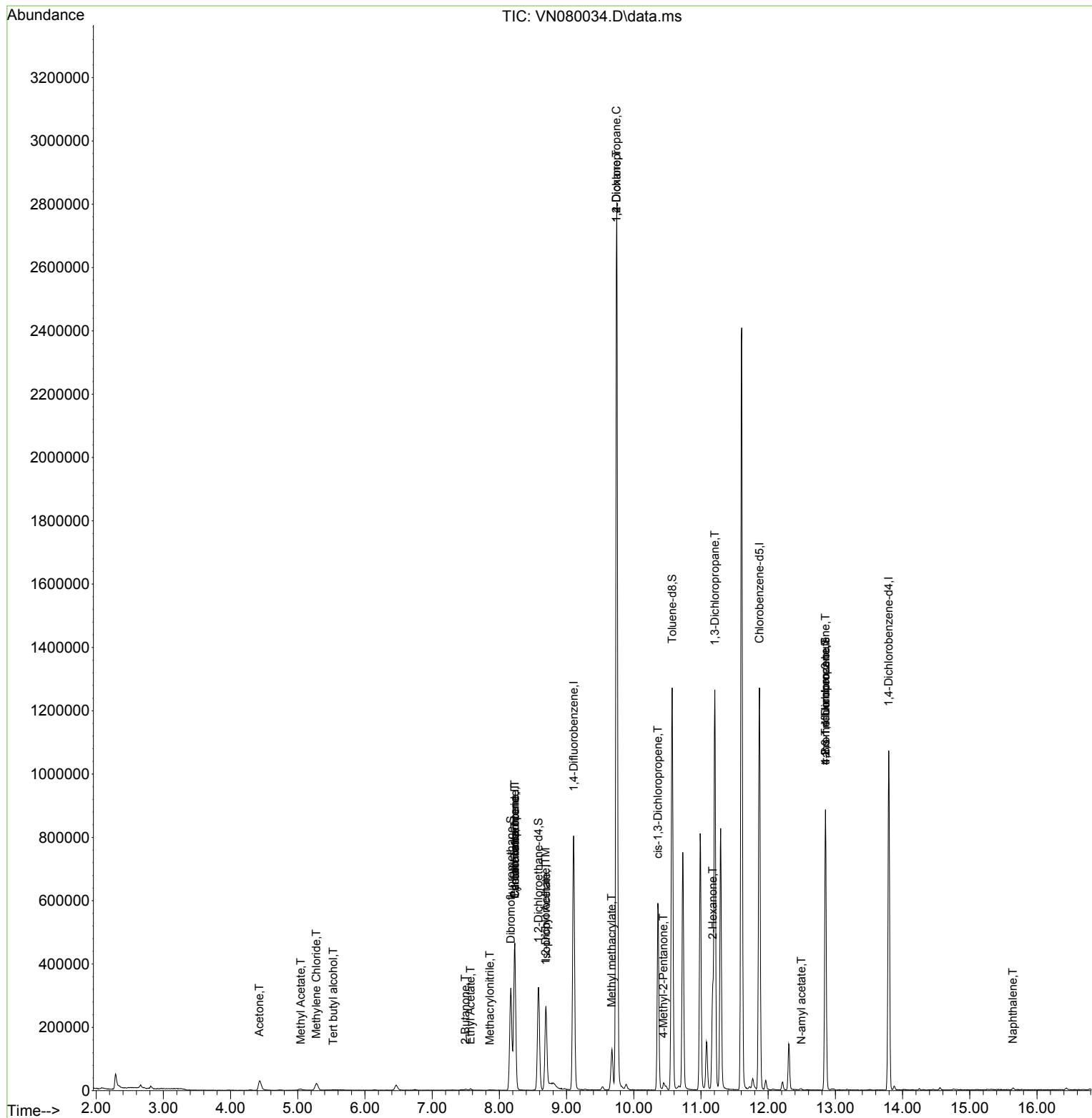
Internal Standards						
1) Pentafluorobenzene	8.230	168	316141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	676247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	720633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	278127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	270462	56.153	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.300%
35) Dibromofluoromethane	8.171	113	228128	47.664	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.320%
50) Toluene-d8	10.571	98	869815	49.366	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.740%
62) 4-Bromofluorobenzene	12.853	95	302686	51.798	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	1310	Below Cal	#	84
11) Tert butyl alcohol	5.530	59	916	1.490	ug/l #	72
16) Acetone	4.430	43	59421	35.122	ug/l	90
18) Methyl Acetate	5.047	43	8758	1.082	ug/l #	57
20) Methylene Chloride	5.277	84	17225	4.035	ug/l	89
25) 2-Butanone	7.494	43	6272	2.532	ug/l #	65
31) Cyclohexane	8.230	56	7873	1.237	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	28936	4.234	ug/l #	47
37) Ethyl Acetate	7.571	43	7184	1.146	ug/l #	75
38) Carbon Tetrachloride	8.230	117	35388	5.138	ug/l #	15
41) Methacrylonitrile	7.859	41	778	0.234	ug/l #	26
42) 1,2-Dichloroethane	8.688	62	2855	0.399	ug/l #	73
43) Isopropyl Acetate	8.694	43	299806	27.277	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	3640	0.696	ug/l #	45
48) Methyl methacrylate	9.671	41	8418	1.749	ug/l #	27
49) 1,4-Dioxane	9.741	88	189	2.222	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	24776	4.004	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	103852	12.759	ug/l #	69
57) 1,3-Dichloropropane	11.206	76	13305	1.547	ug/l #	43
59) 2-Hexanone	11.176	43	241554	51.027	ug/l #	19
74) N-amyl acetate	12.494	43	3384	0.367	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	166074	25.434	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	166074	69.200	ug/l #	15
95) Naphthalene	15.641	128	5340	0.365	ug/l #	94

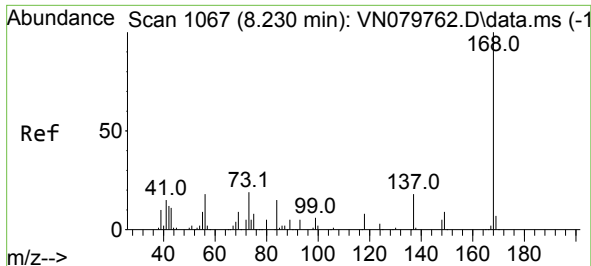
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 10 00:41:36 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

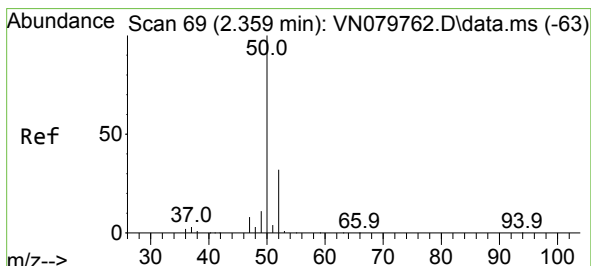
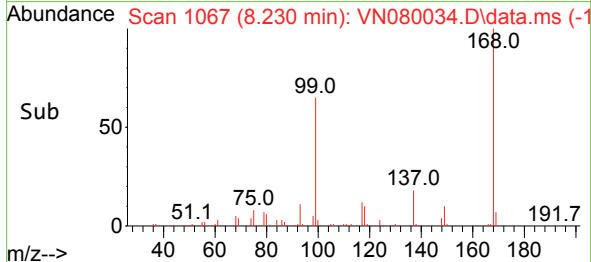
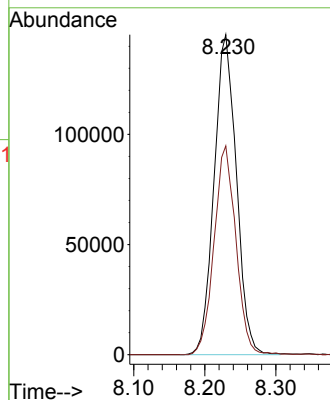
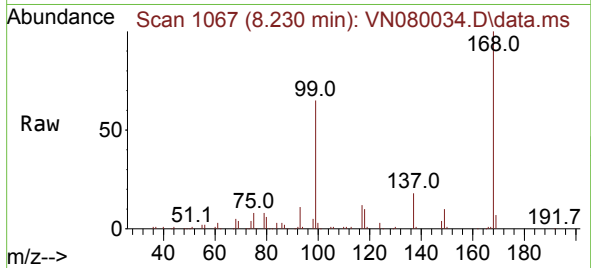




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

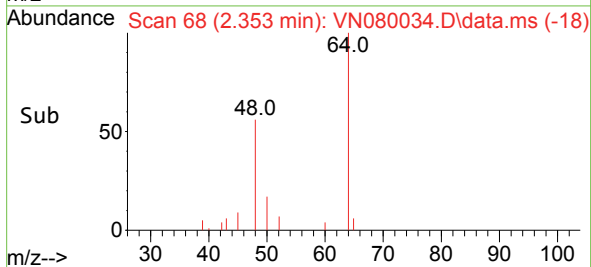
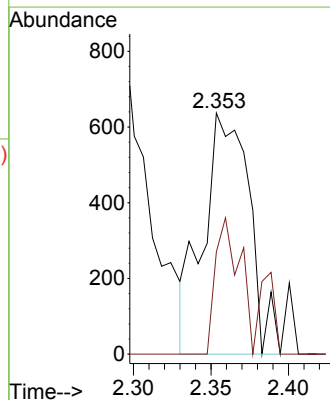
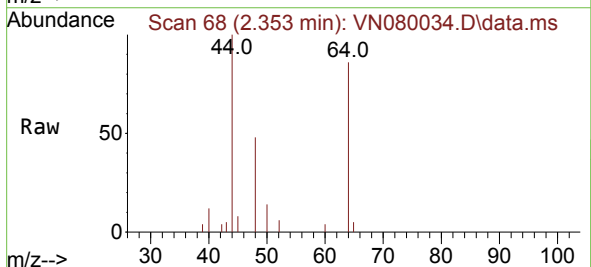
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 316141
Ion Ratio Lower Upper
168 100
99 65.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

Tgt Ion: 50 Resp: 1310
Ion Ratio Lower Upper
50 100
52 42.4 26.5 39.7#

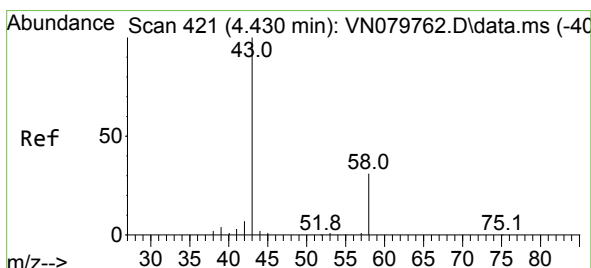
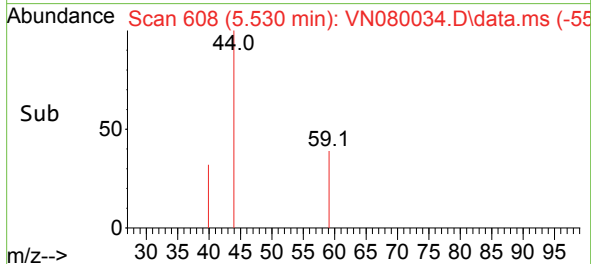
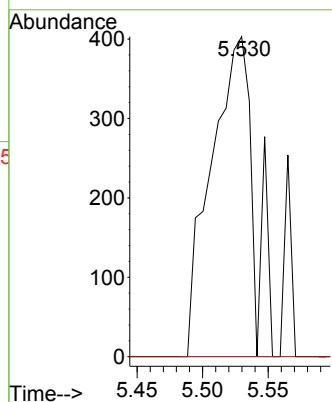
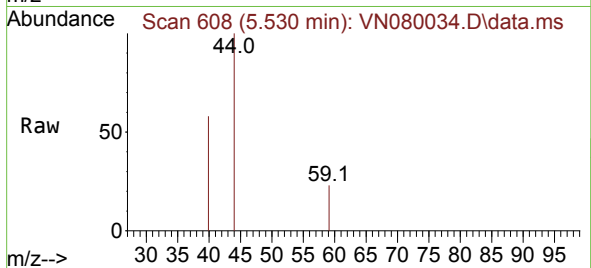




#11
Tert butyl alcohol
Concen: 1.490 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

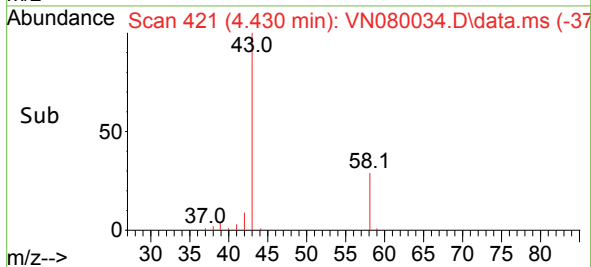
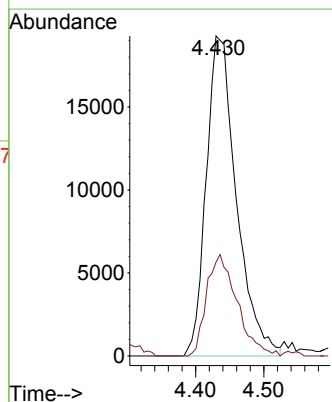
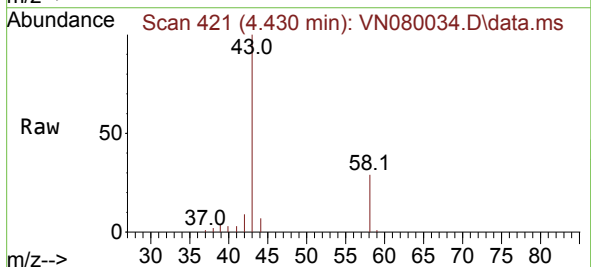
Instrument :
MSVOA_N
ClientSampleId :

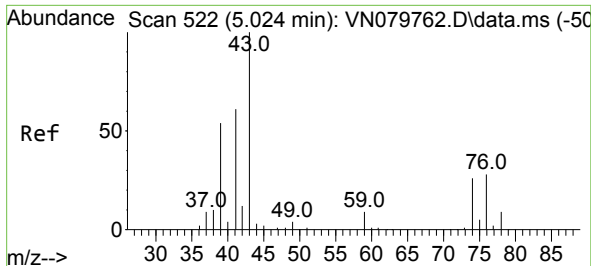
Tgt Ion: 59 Resp: 916
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 35.122 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

Tgt Ion: 43 Resp: 59421
Ion Ratio Lower Upper
43 100
58 29.3 28.0 42.0

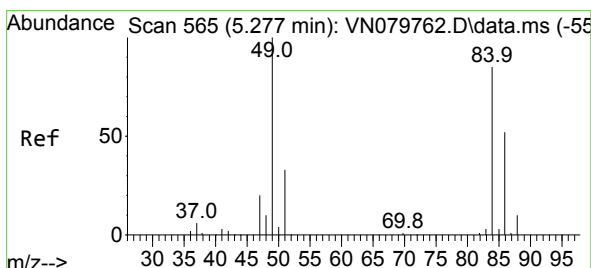
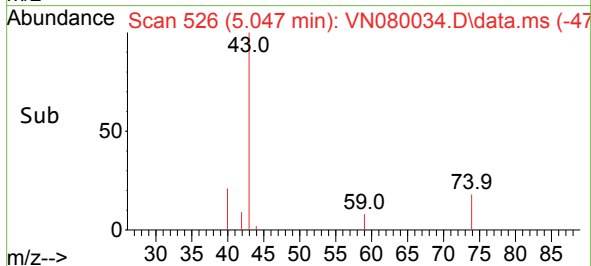
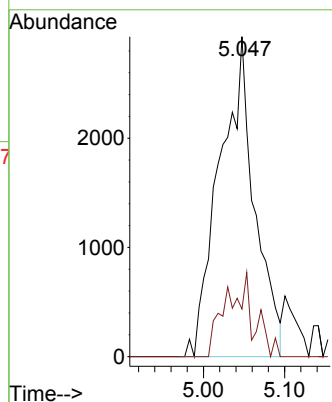
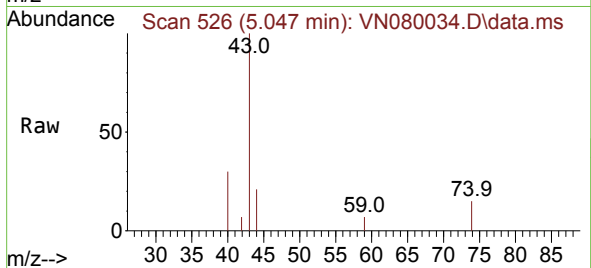




#18
Methyl Acetate
Concen: 1.082 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

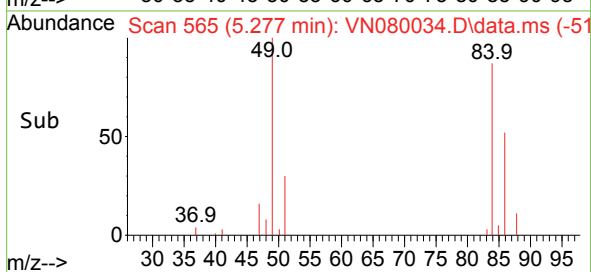
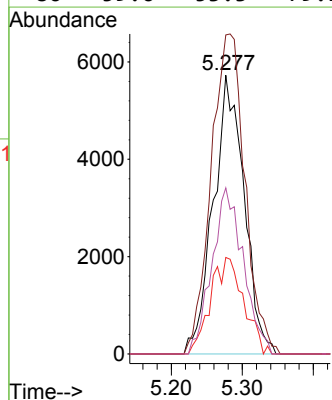
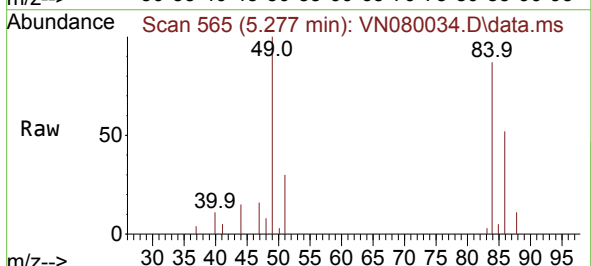
Instrument :
MSVOA_N
ClientSampleId :

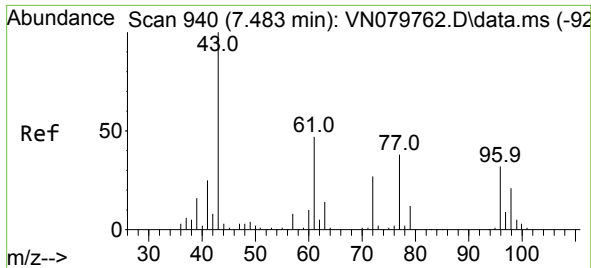
Tgt Ion: 43 Resp: 8758
Ion Ratio Lower Upper
43 100
74 8.8 26.2 39.4#



#20
Methylene Chloride
Concen: 4.035 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

Tgt Ion: 84 Resp: 17225
Ion Ratio Lower Upper
84 100
49 114.4 79.7 119.5
51 34.6 25.2 37.8
86 59.6 53.3 79.9

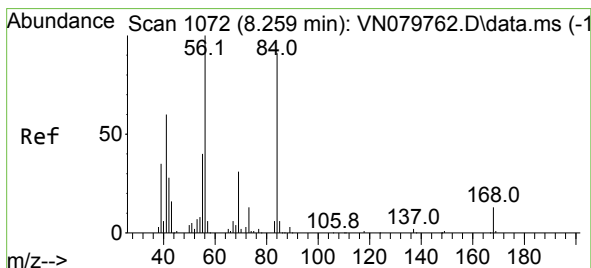
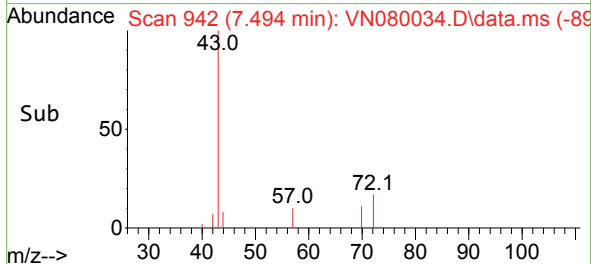
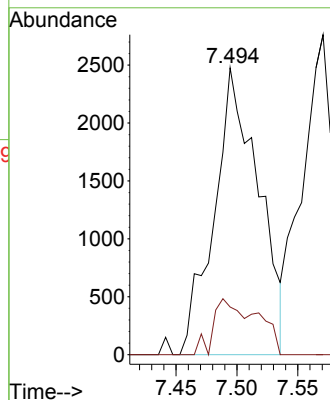
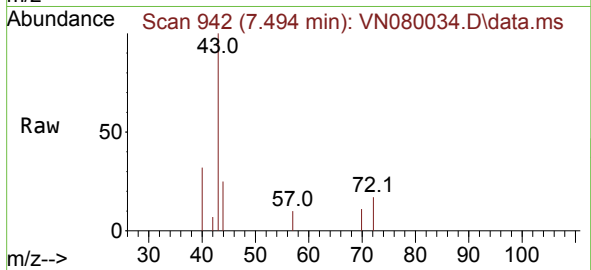




#25
2-Butanone
Concen: 2.532 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

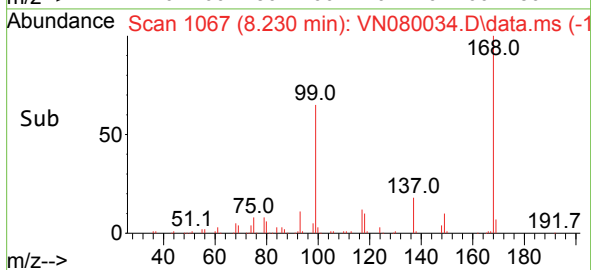
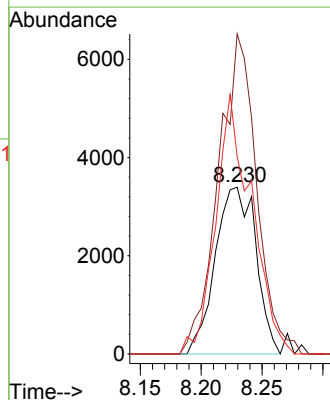
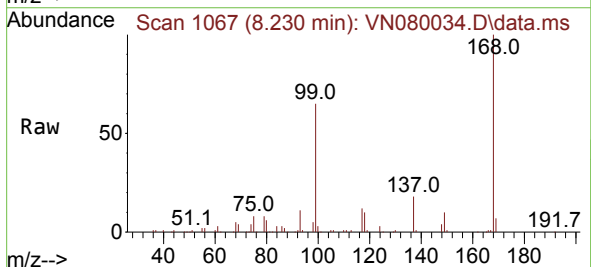
Instrument :
MSVOA_N
ClientSampleId :

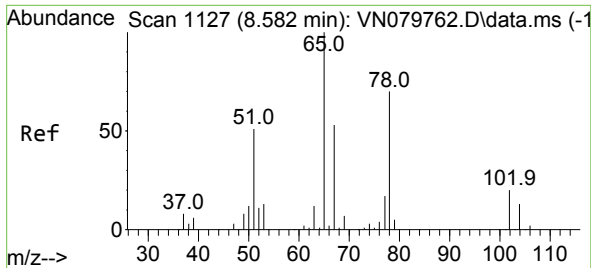
Tgt Ion: 43 Resp: 6272
Ion Ratio Lower Upper
43 100
72 16.6 30.2 45.2#



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

Tgt Ion: 56 Resp: 7873
Ion Ratio Lower Upper
56 100
69 192.0 26.8 40.2#
84 118.5 81.8 122.6

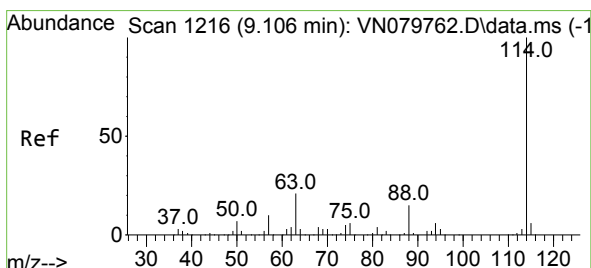
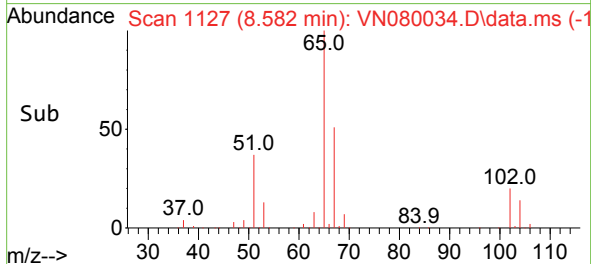
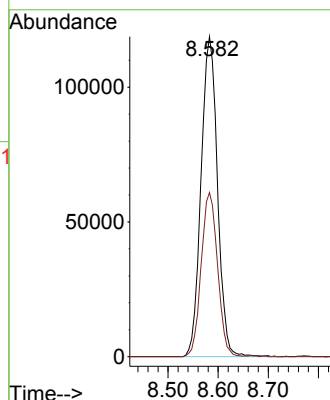
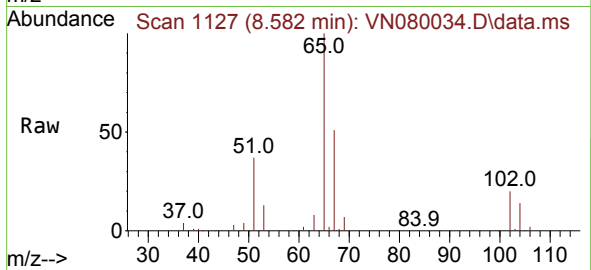




#33
 1,2-Dichloroethane-d4
 Concen: 56.153 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN080034.D
 Acq: 09 Nov 2023 20:10

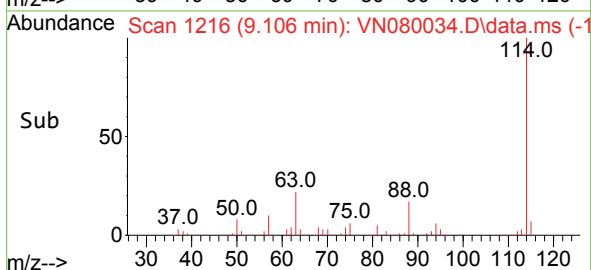
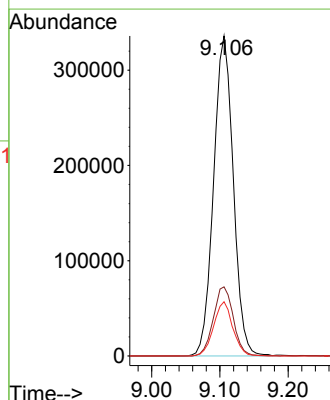
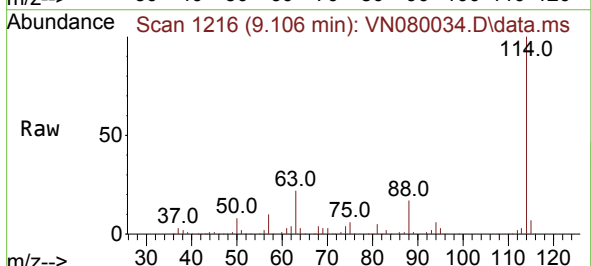
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 ClientSampleId :

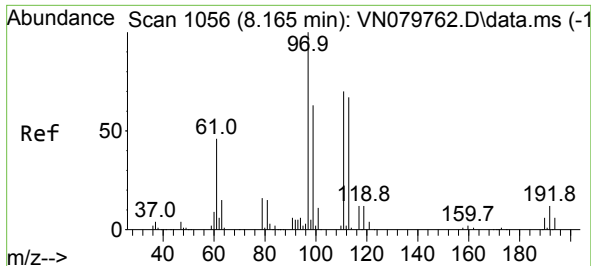
Tgt Ion: 65 Resp: 270462
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN080034.D
 Acq: 09 Nov 2023 20:10

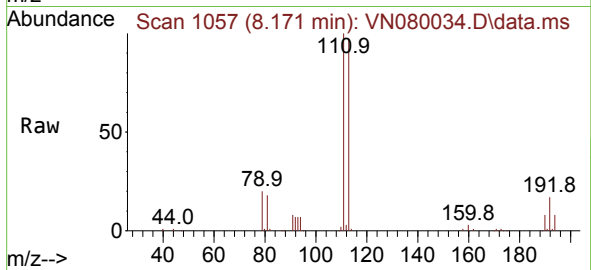
Tgt Ion: 114 Resp: 676247
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 36.4
 88 17.0 0.0 30.6



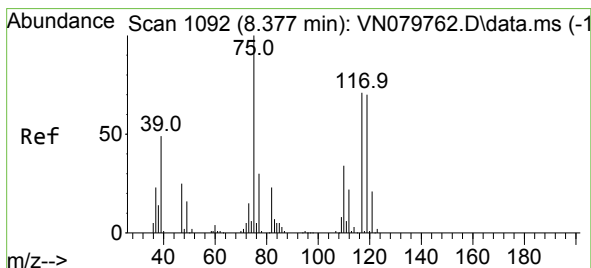
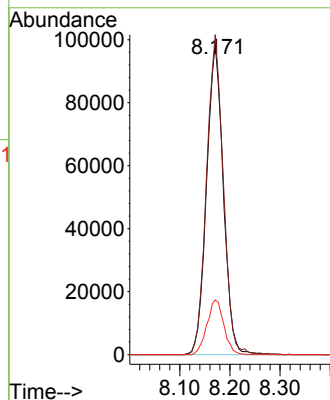
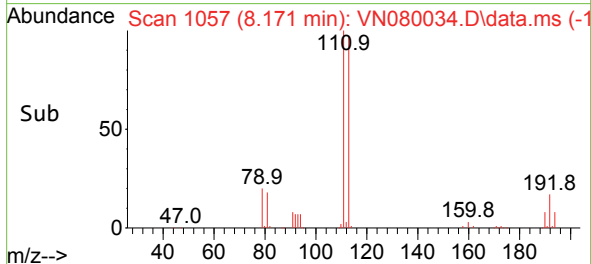


#35
Dibromofluoromethane
Concen: 47.664 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

Instrument :
MSVOA_N
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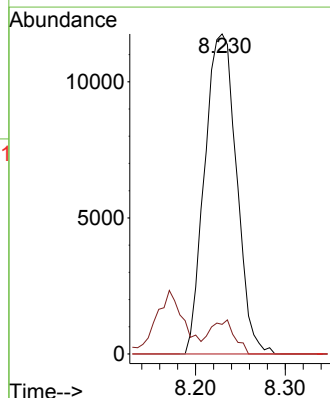
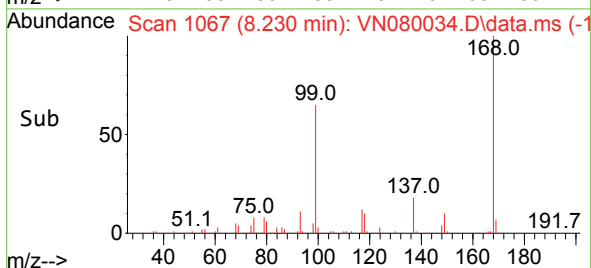
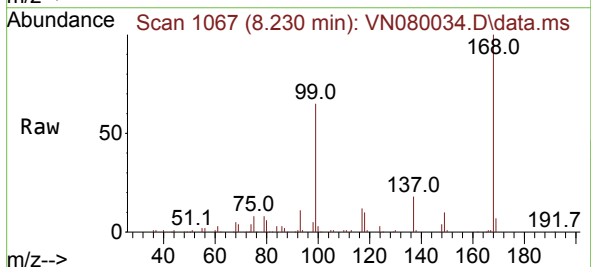


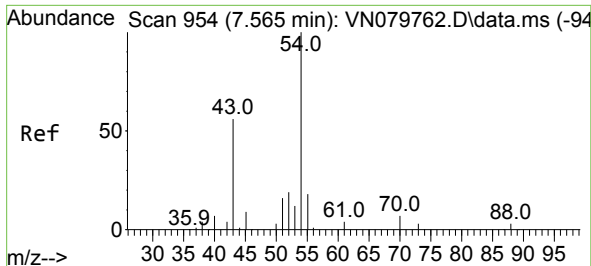
Tgt Ion:113 Resp: 228128
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 17.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.234 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

Tgt Ion: 75 Resp: 28936
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.146 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

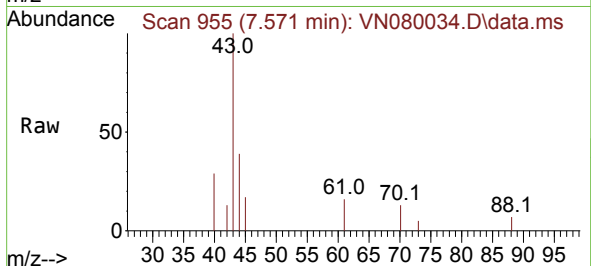
Lab File: VN080034.D

Acq: 09 Nov 2023 20:10

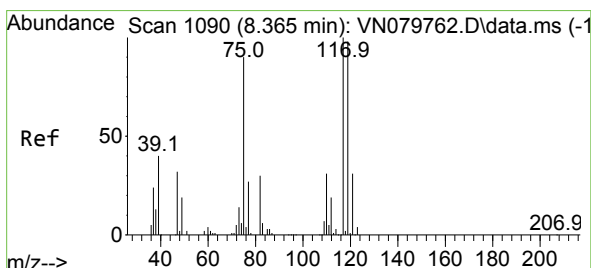
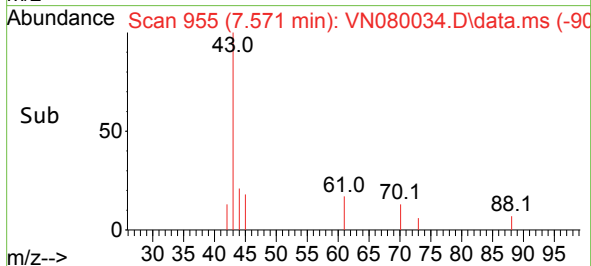
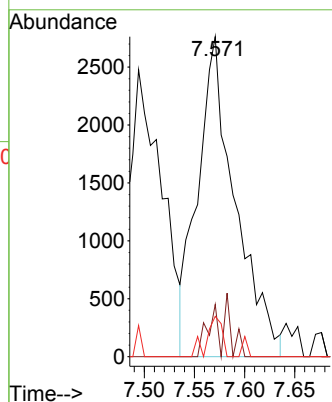
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 7184
Ion Ratio	Lower Upper
43	100
61	4.6 13.2 19.8#
70	5.1 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.138 ug/l

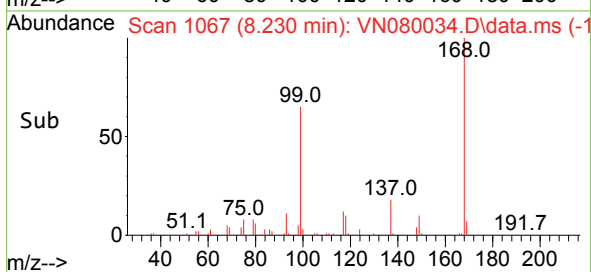
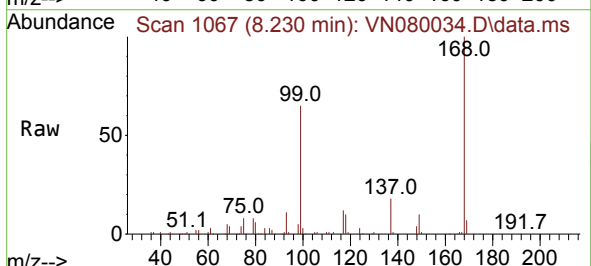
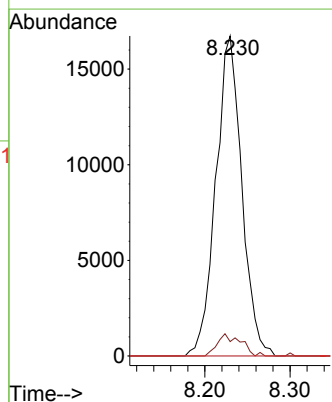
RT: 8.230 min Scan# 1067

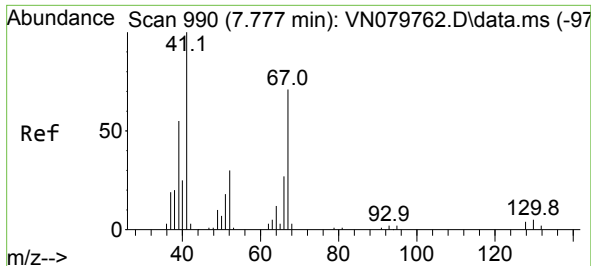
Delta R.T. -0.129 min

Lab File: VN080034.D

Acq: 09 Nov 2023 20:10

Tgt Ion: 117	Resp: 35388
Ion Ratio	Lower Upper
117	100
119	4.5 77.3 115.9#
121	0.0 23.3 34.9#

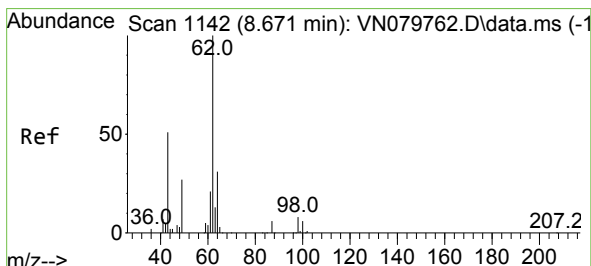
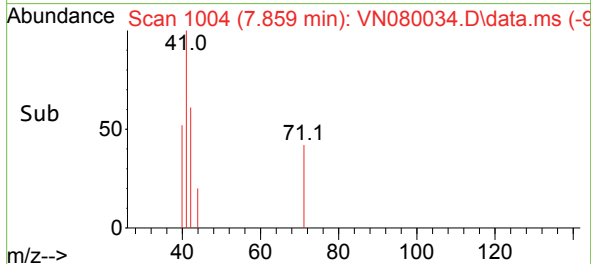
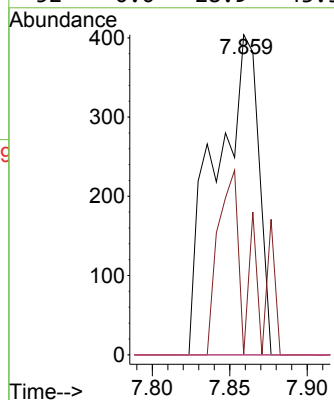
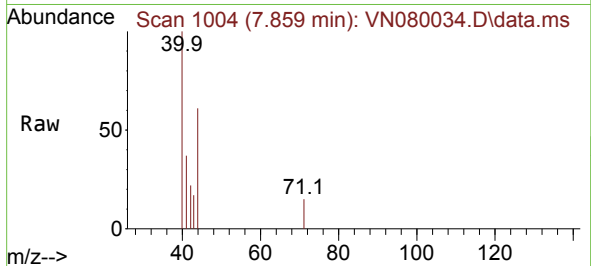




#41
Methacrylonitrile
Concen: 0.234 ug/l
RT: 7.859 min Scan# 1104
Delta R.T. 0.077 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

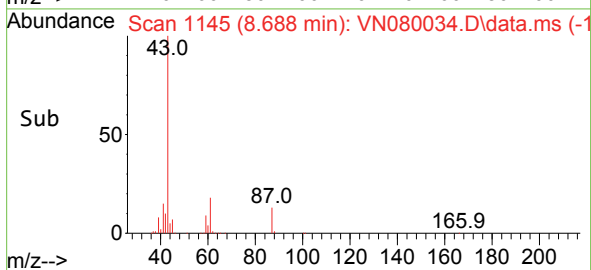
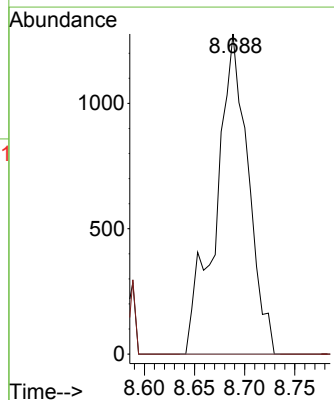
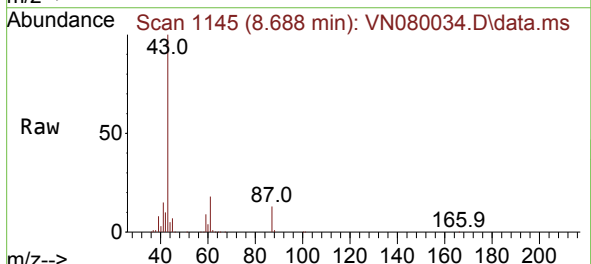
Instrument :
MSVOA_N
ClientSampleId :

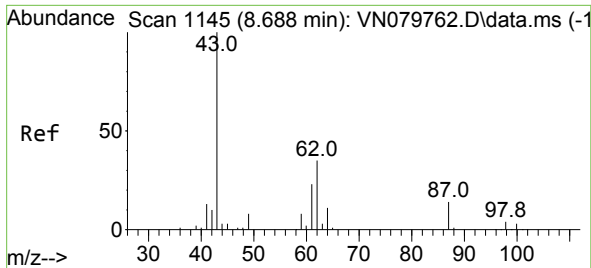
Tgt Ion: 41	Resp: 778
Ion Ratio	Lower Upper
41 100	
39 26.6	42.6 64.0#
67 0.0	77.5 116.3#
52 0.0	28.9 43.3#



#42
1,2-Dichloroethane
Concen: 0.399 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

Tgt Ion: 62	Resp: 2855
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 19.8

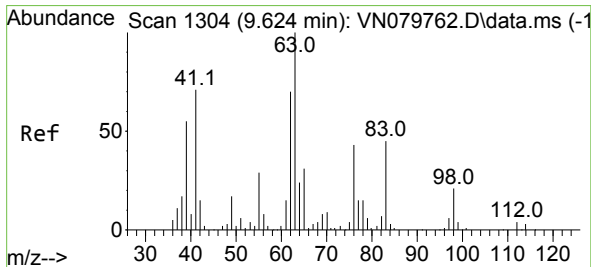
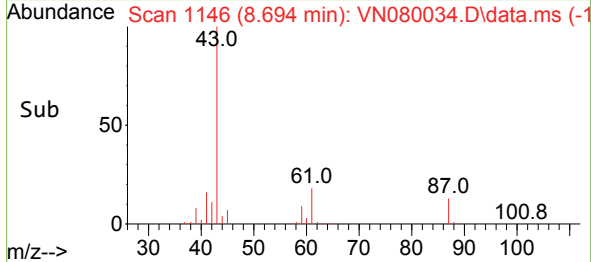
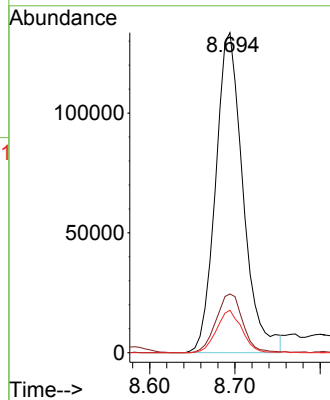
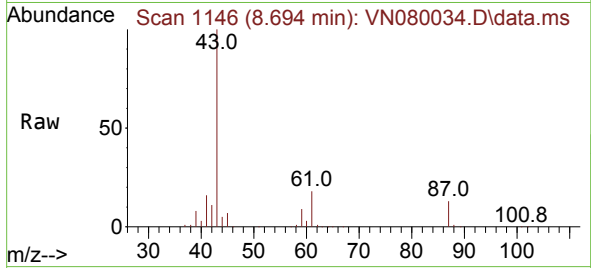




#43
Isopropyl Acetate
Concen: 27.277 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

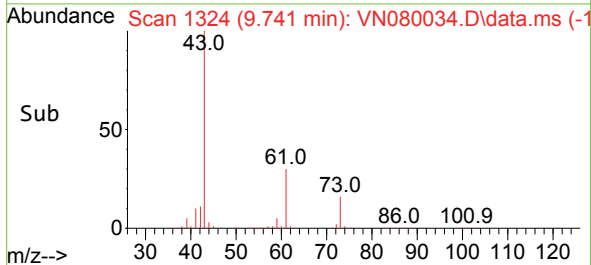
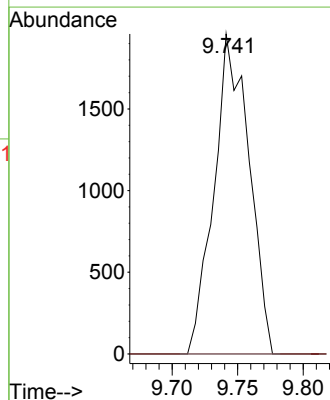
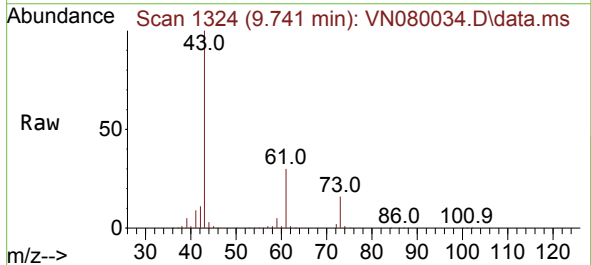
Instrument :
MSVOA_N
ClientSampleId :

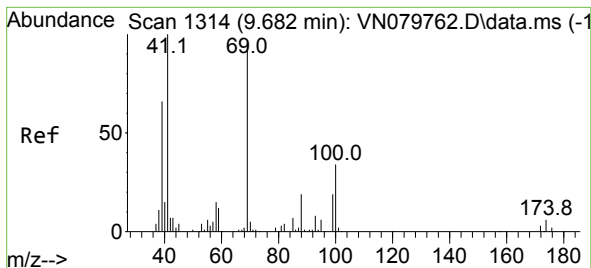
Tgt Ion: 43 Resp: 299806
Ion Ratio Lower Upper
43 100
61 17.9 24.7 37.1#
87 12.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.696 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

Tgt Ion: 63 Resp: 3640
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 1.749 ug/l

RT: 9.671 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN080034.D

Acq: 09 Nov 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

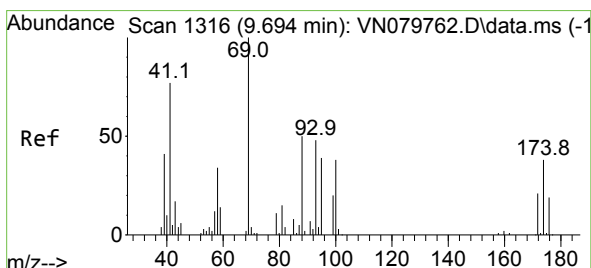
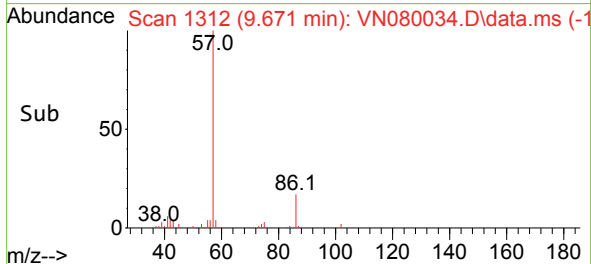
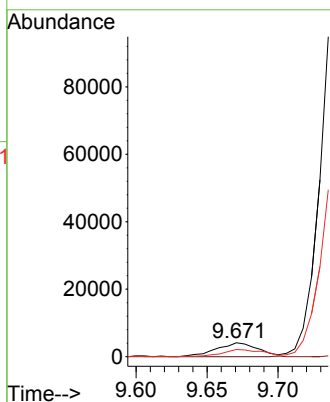
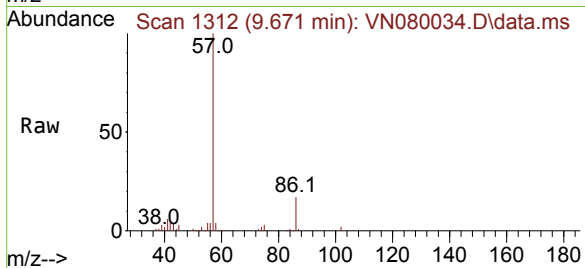
Tgt Ion: 41 Resp: 8418

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 51.8 54.6 81.8#



#49

1,4-Dioxane

Concen: 2.222 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN080034.D

Acq: 09 Nov 2023 20:10

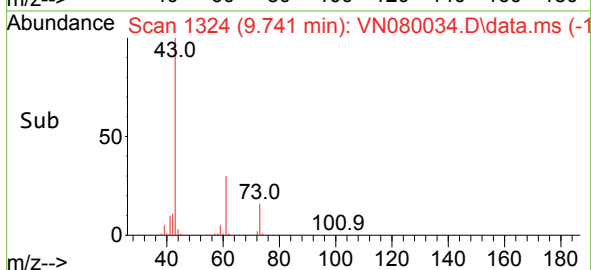
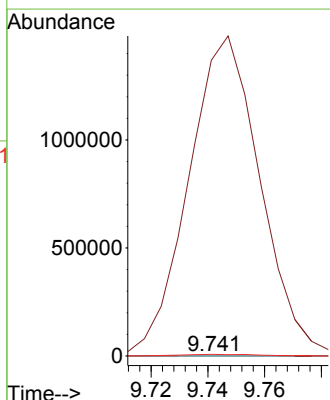
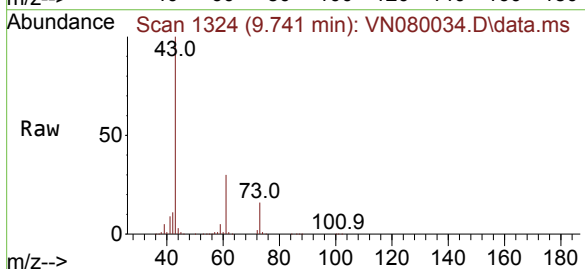
Tgt Ion: 88 Resp: 189

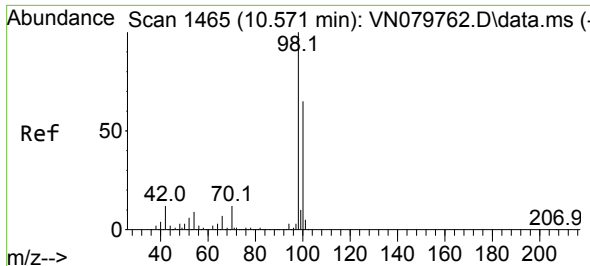
Ion Ratio Lower Upper

88 100

43 1384740.2 17.0 25.6#

58 7579.9 47.0 70.4#

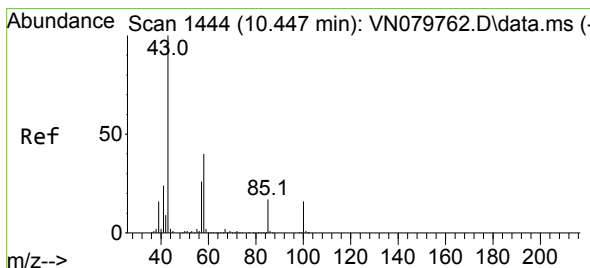
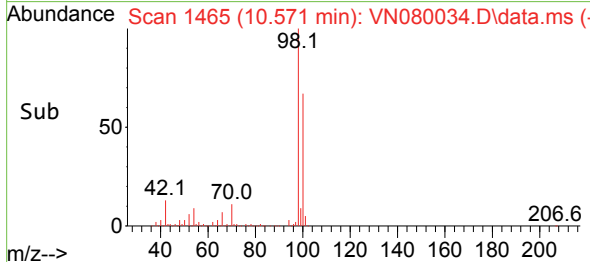
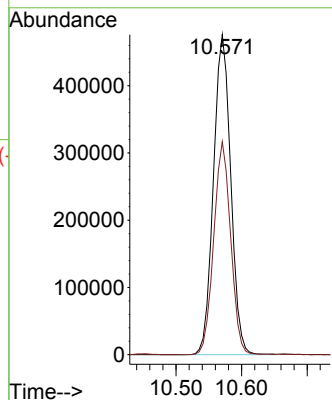
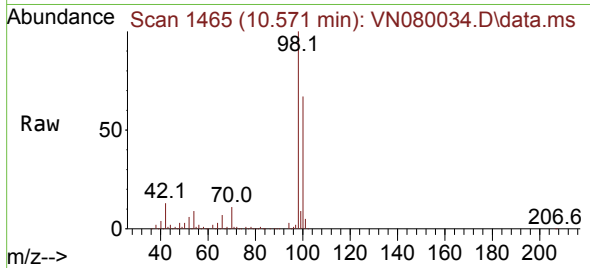




#50
Toluene-d8
Concen: 49.366 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

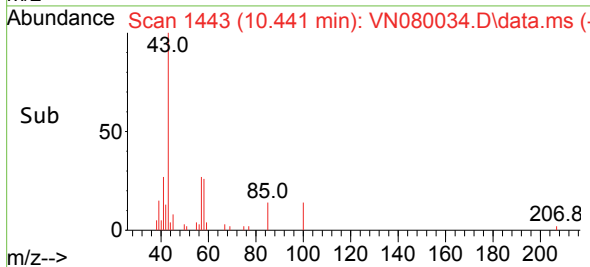
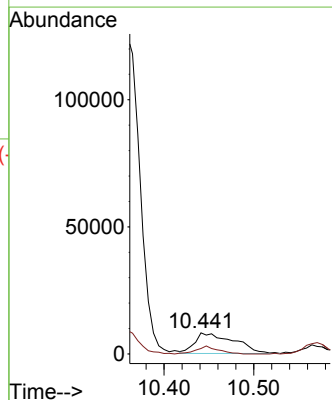
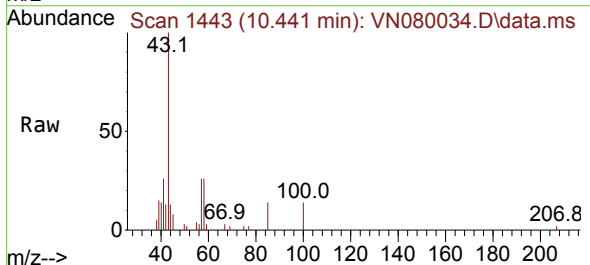
Instrument :
MSVOA_N
ClientSampleId :

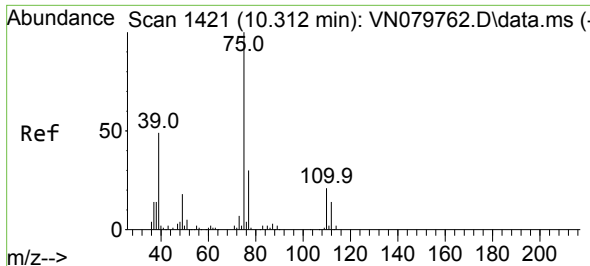
Tgt Ion: 98 Resp: 869815
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.004 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

Tgt Ion: 43 Resp: 24776
Ion Ratio Lower Upper
43 100
58 21.3 36.6 54.8#

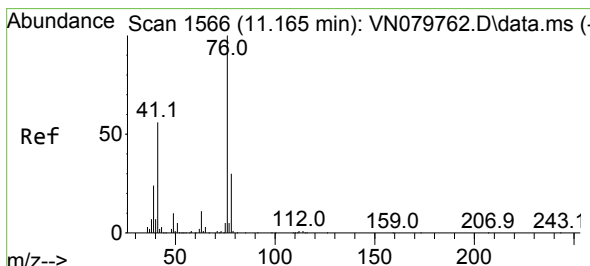
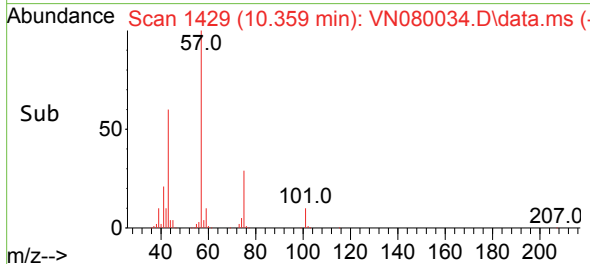
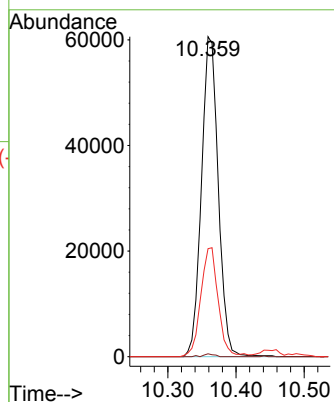
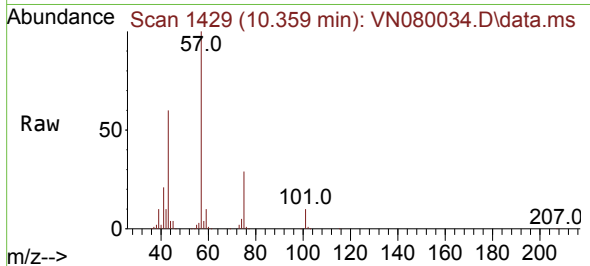




#54
 cis-1,3-Dichloropropene
 Concen: 12.759 ug/l
 RT: 10.359 min Scan# 1421
 Delta R.T. 0.041 min
 Lab File: VN080034.D
 Acq: 09 Nov 2023 20:10

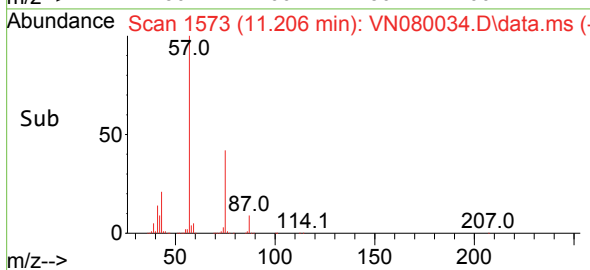
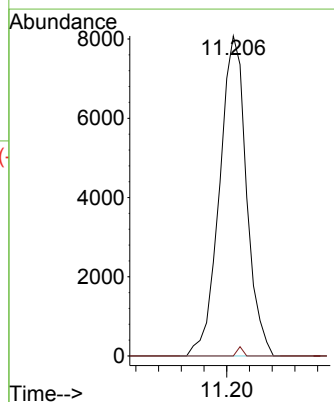
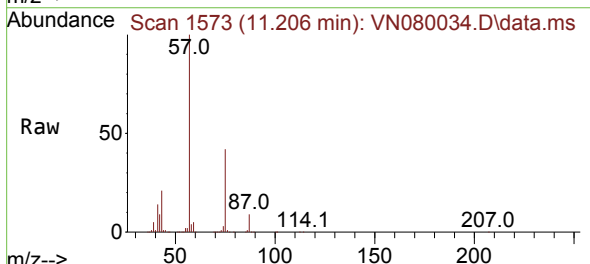
Instrument :
 MSVOA_N
 ClientSampleId :

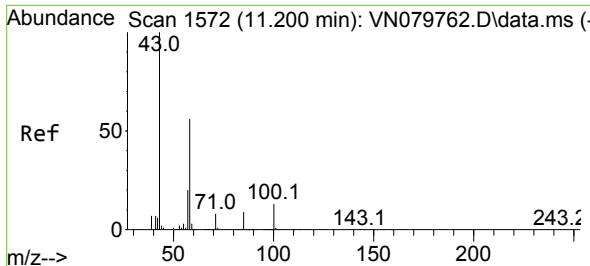
Tgt Ion: 75 Resp: 103852
 Ion Ratio Lower Upper
 75 100
 77 0.9 26.1 39.1#
 39 33.8 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.547 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN080034.D
 Acq: 09 Nov 2023 20:10

Tgt Ion: 76 Resp: 13305
 Ion Ratio Lower Upper
 76 100
 78 0.6 26.1 39.1#

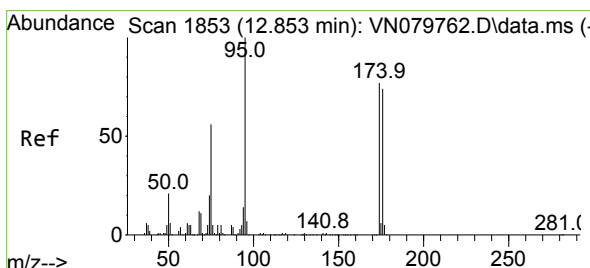
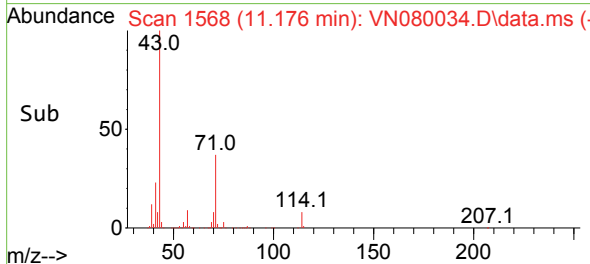
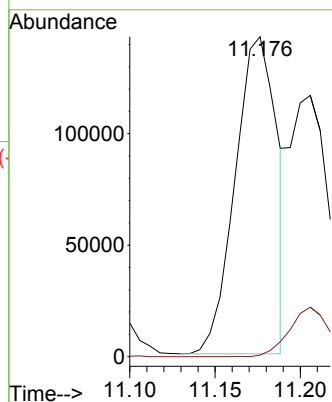
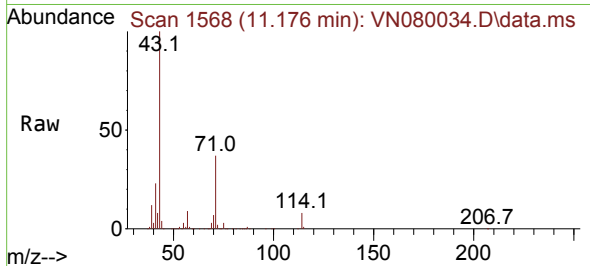




#59
2-Hexanone
Concen: 51.027 ug/l
RT: 11.176 min Scan# 11568
Delta R.T. -0.023 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

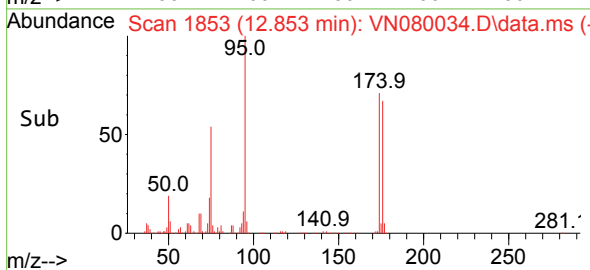
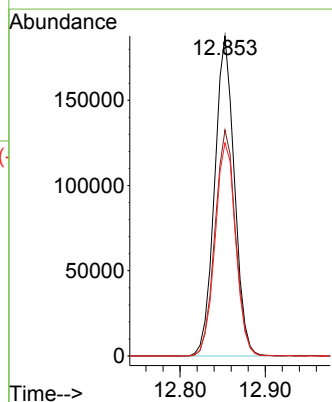
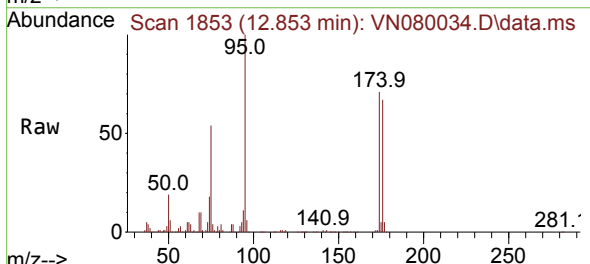
Instrument :
MSVOA_N
ClientSampleId :

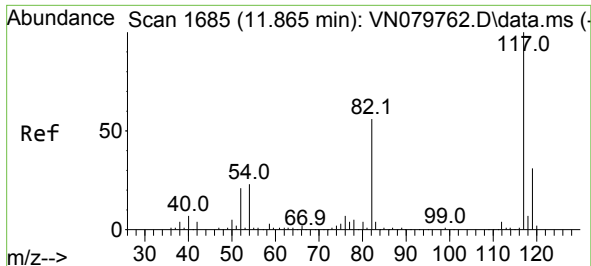
Tgt Ion: 43 Resp: 241554
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.798 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

Tgt Ion: 95 Resp: 302686
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.8
176 69.3 0.0 135.8

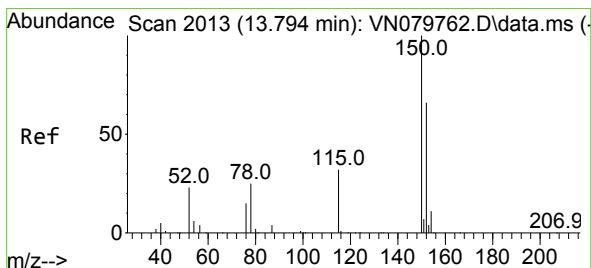
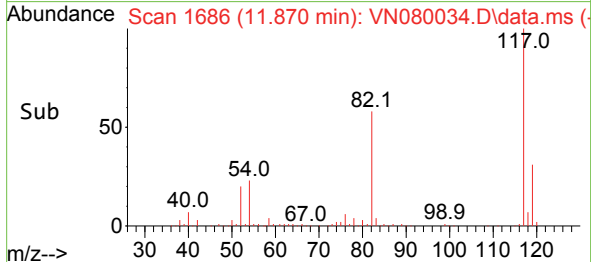
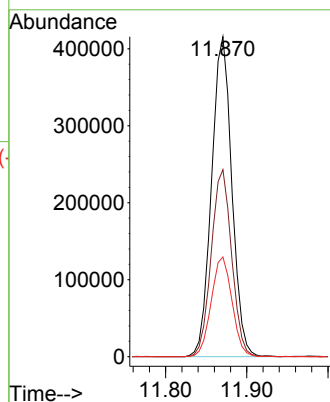
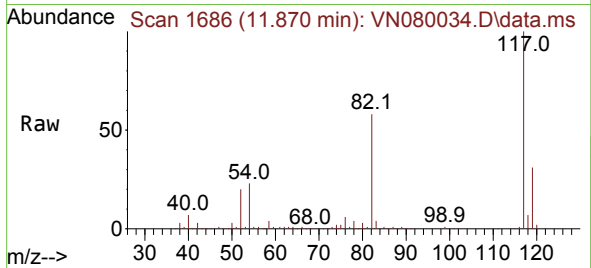




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

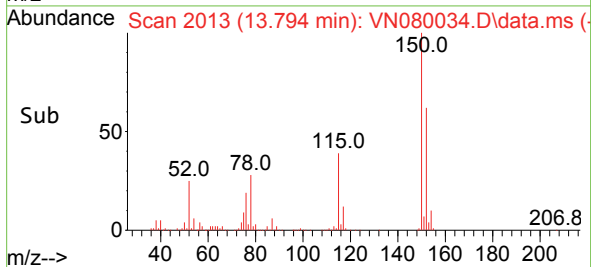
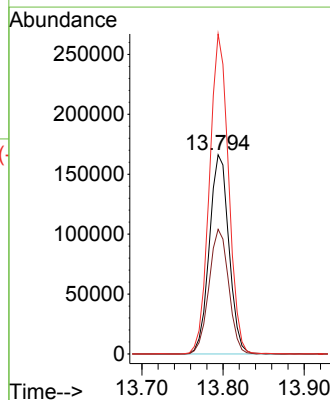
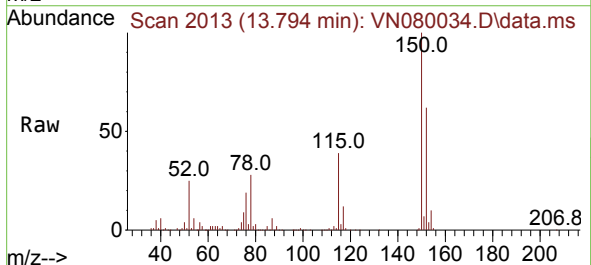
Instrument :
MSVOA_N
ClientSampleId :

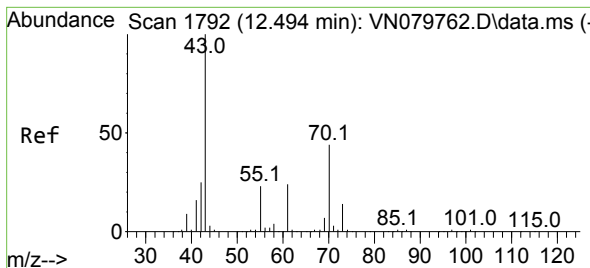
Tgt Ion:117 Resp: 720633
Ion Ratio Lower Upper
117 100
82 58.4 44.0 66.0
119 31.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

Tgt Ion:152 Resp: 278127
Ion Ratio Lower Upper
152 100
115 63.0 32.3 96.8
150 156.9 0.0 355.8





#74

N-amy1 acetate

Concen: 0.367 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.000 min

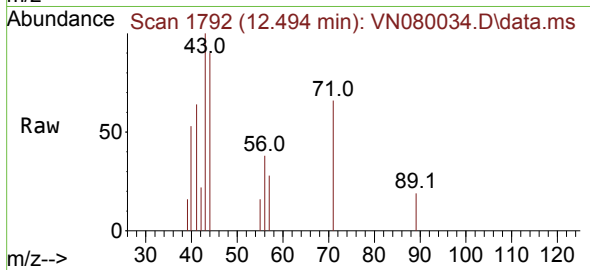
Lab File: VN080034.D

Acq: 09 Nov 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 3384

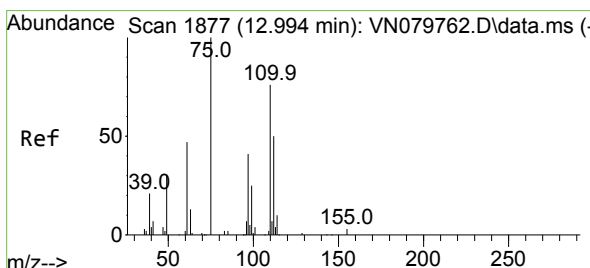
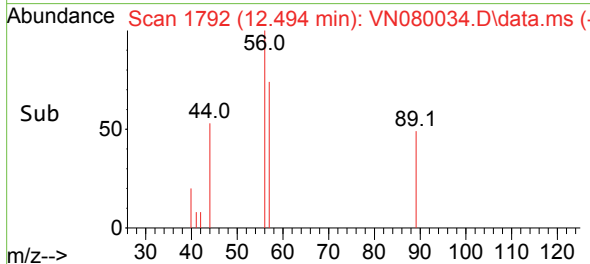
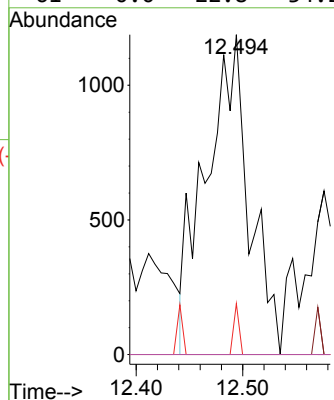
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 25.434 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080034.D

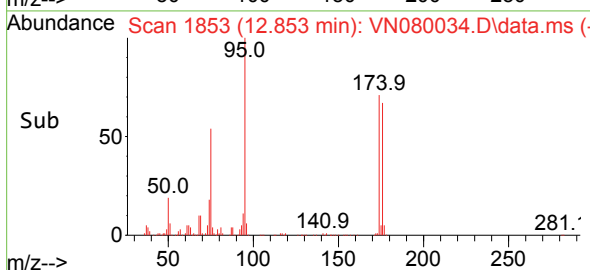
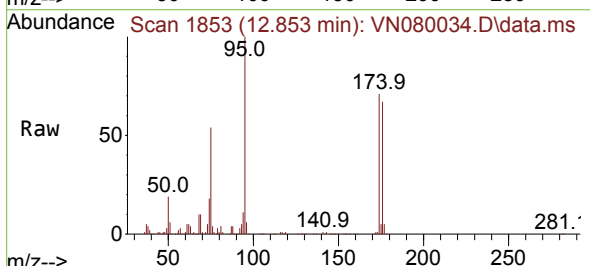
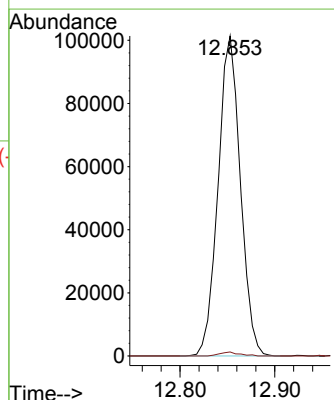
Acq: 09 Nov 2023 20:10

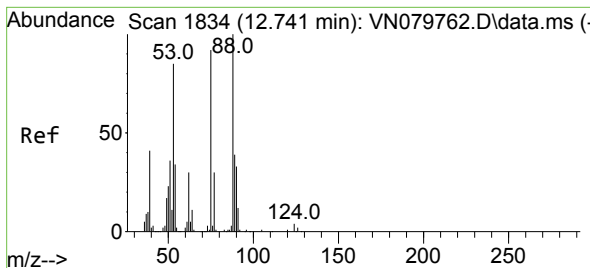
Tgt Ion: 75 Resp: 166074

Ion Ratio Lower Upper

75 100

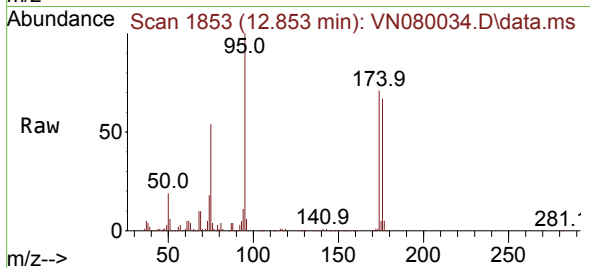
77 1.1 84.5 253.5#



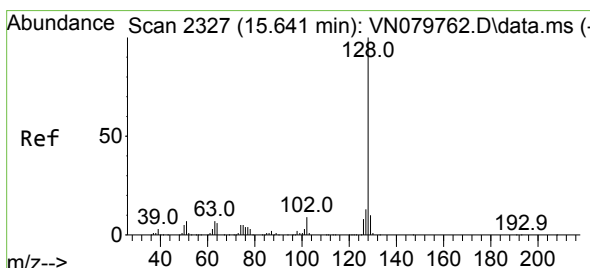
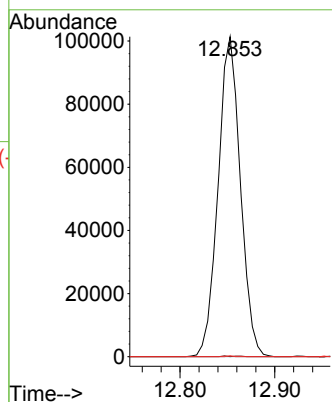
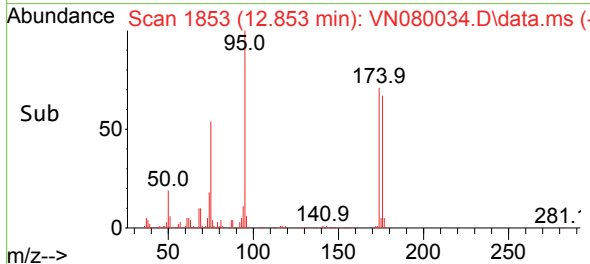


#81
trans-1,4-Dichloro-2-butene
Concen: 69.200 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10

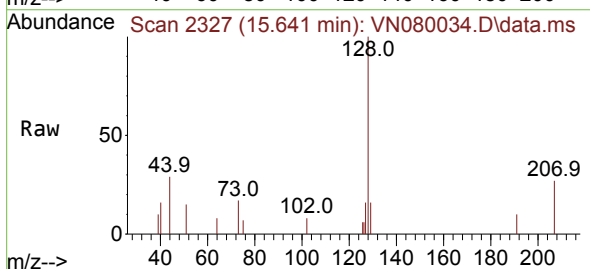
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 166074
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 0.365 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080034.D
Acq: 09 Nov 2023 20:10



Tgt Ion:128 Resp: 5340
Ion Ratio Lower Upper
128 100
127 8.8 10.0 15.0#
129 10.2 8.7 13.1

