

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110923\
 Data File : VN080037.D
 Acq On : 09 Nov 2023 21:22
 Operator : JC\MD
 Sample : 05311-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 00:42:49 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)

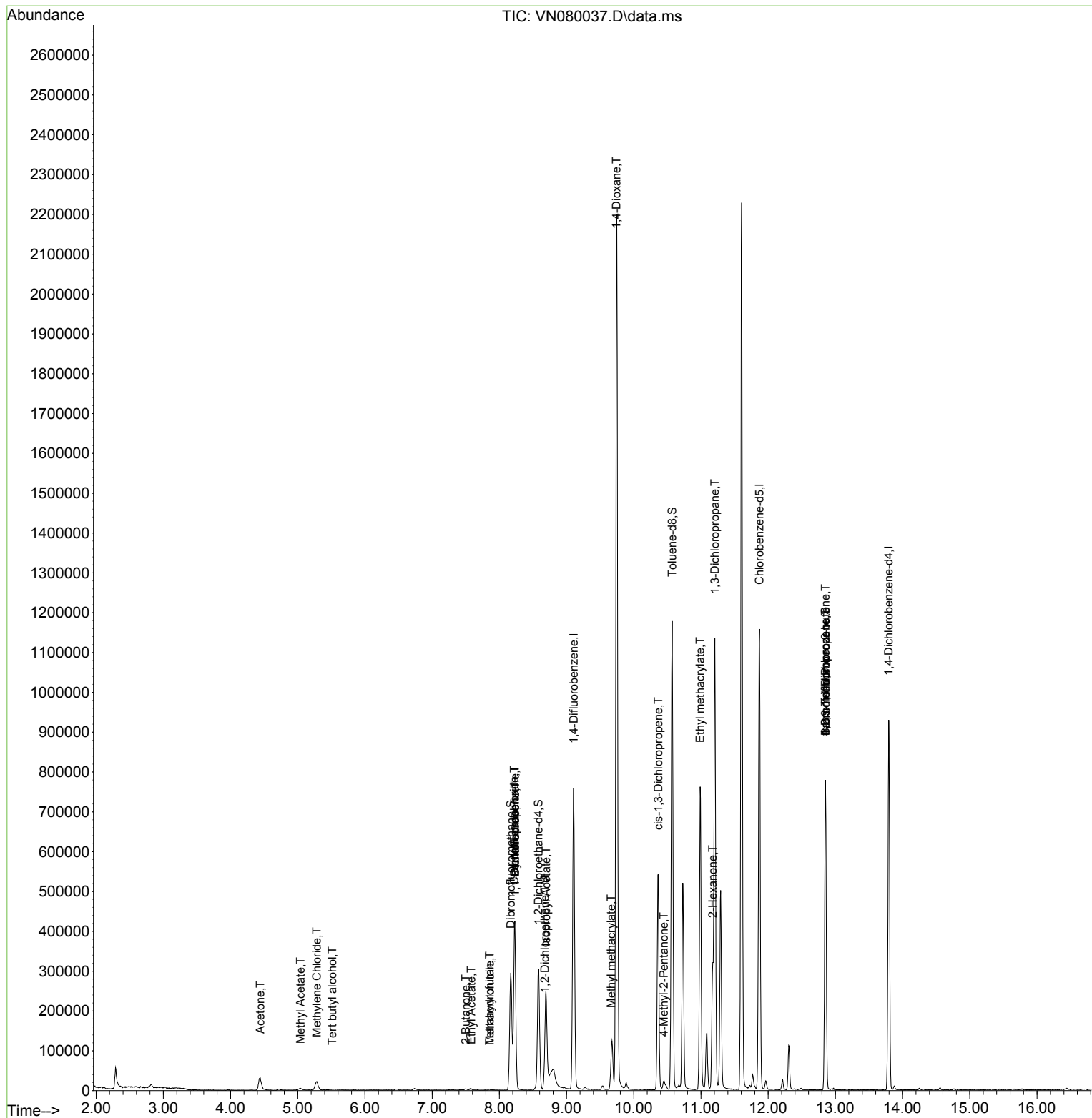
Internal Standards						
1) Pentafluorobenzene	8.229	168	294589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	626012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	664734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	243211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	254565	56.719	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.440%
35) Dibromofluoromethane	8.171	113	215703	48.684	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.360%
50) Toluene-d8	10.570	98	800182	49.058	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.120%
62) 4-Bromofluorobenzene	12.853	95	268860	49.701	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.400%
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	1051	Below Cal		93
11) Tert butyl alcohol	5.512	59	424	0.740	ug/l #	90
16) Acetone	4.441	43	60543	38.403	ug/l	91
18) Methyl Acetate	5.041	43	9852	1.306	ug/l #	79
20) Methylene Chloride	5.283	84	16552	4.161	ug/l #	87
25) 2-Butanone	7.500	43	6178	2.676	ug/l #	79
29) Tetrahydrofuran	7.853	42	1339	0.891	ug/l #	31
31) Cyclohexane	8.229	56	6970	1.175	ug/l #	15
36) 1,1-Dichloropropene	8.235	75	27328	4.320	ug/l #	47
37) Ethyl Acetate	7.582	43	6501	1.120	ug/l #	82
38) Carbon Tetrachloride	8.224	117	32675	5.125	ug/l #	17
41) Methacrylonitrile	7.859	41	628	0.204	ug/l #	28
42) 1,2-Dichloroethane	8.677	62	1870	0.283	ug/l #	73
43) Isopropyl Acetate	8.694	43	286710	28.178	ug/l #	79
48) Methyl methacrylate	9.665	41	8254	1.852	ug/l #	27
49) 1,4-Dioxane	9.741	88	243	3.086	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	22468	3.922	ug/l #	73
54) cis-1,3-Dichloropropene	10.365	75	95244	12.641	ug/l #	67
56) Ethyl methacrylate	10.988	69	4418	0.686	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	11421	1.434	ug/l #	42
59) 2-Hexanone	11.176	43	262100	59.811	ug/l #	19
71) Bromoform	12.853	173	1789	0.485	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	144235	25.261	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	144235	68.728	ug/l #	15

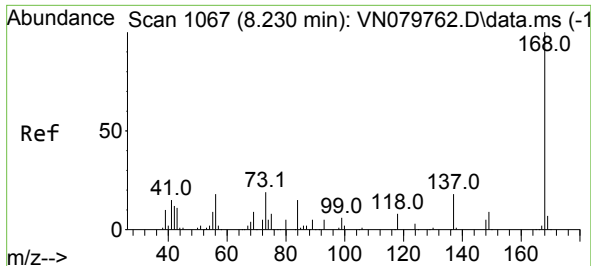
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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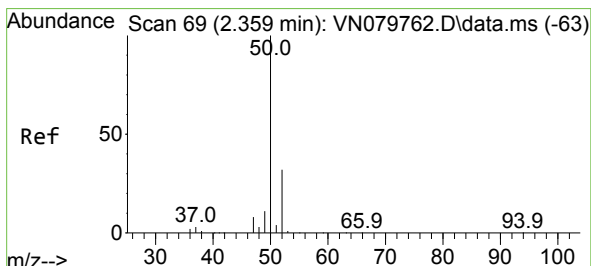
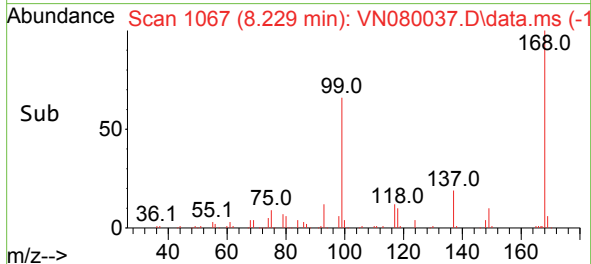
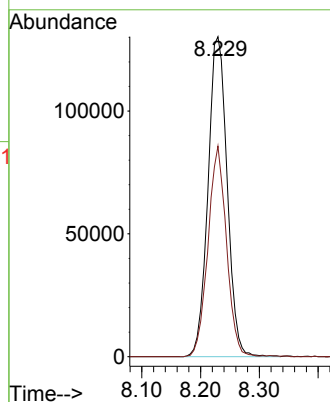
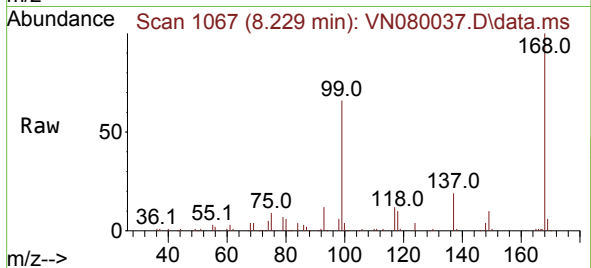




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

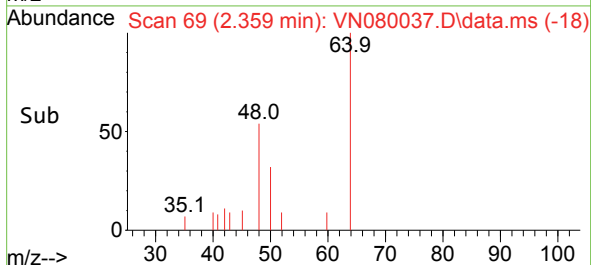
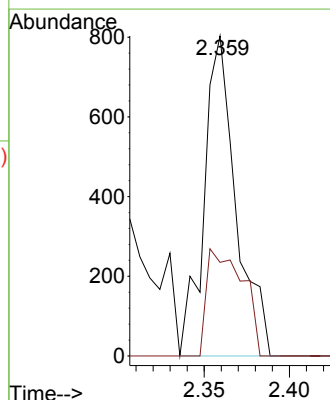
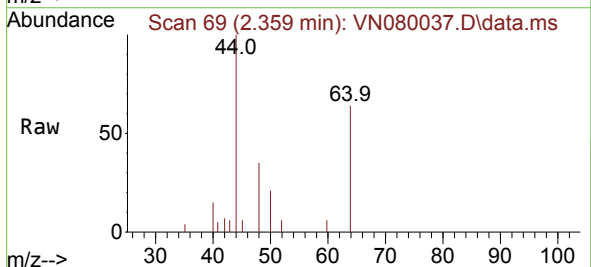
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 294589
Ion Ratio Lower Upper
168 100
99 65.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

Tgt Ion: 50 Resp: 1051
Ion Ratio Lower Upper
50 100
52 29.3 26.5 39.7

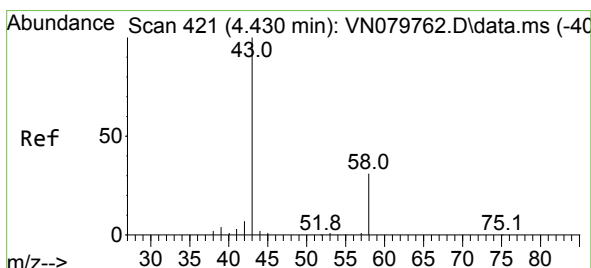
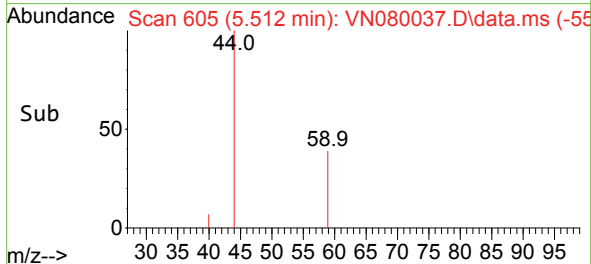
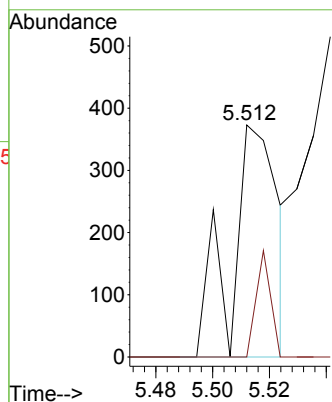
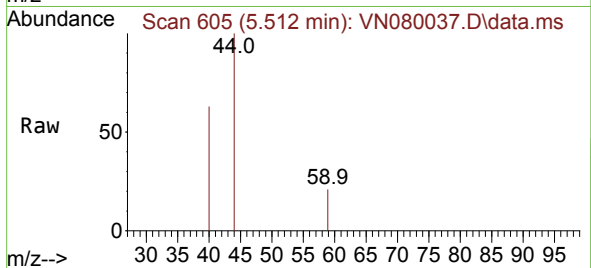




#11
Tert butyl alcohol
Concen: 0.740 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

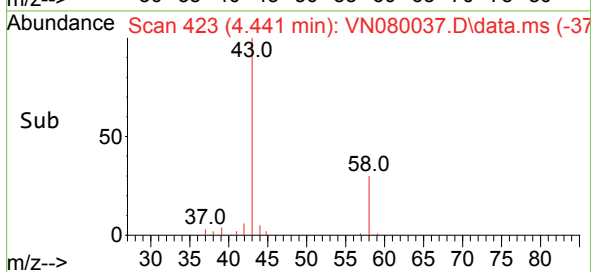
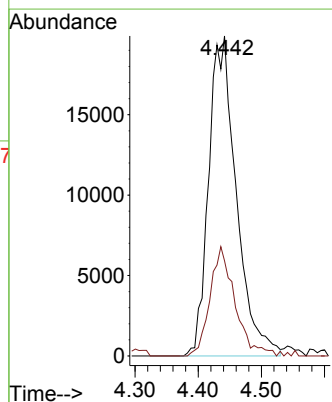
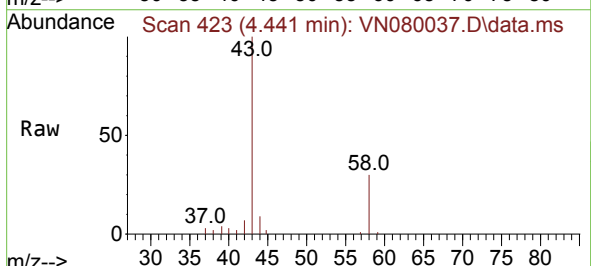
Instrument :
MSVOA_N
ClientSampleId :

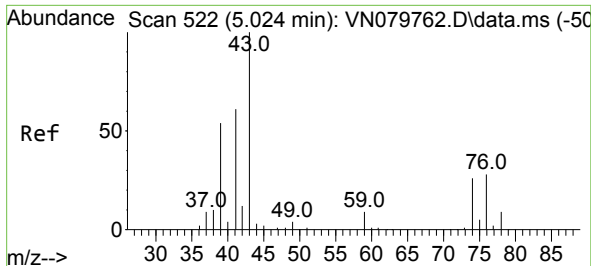
Tgt Ion: 59 Resp: 424
Ion Ratio Lower Upper
59 100
57 14.2 8.2 12.4#



#16
Acetone
Concen: 38.403 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

Tgt Ion: 43 Resp: 60543
Ion Ratio Lower Upper
43 100
58 29.8 28.0 42.0

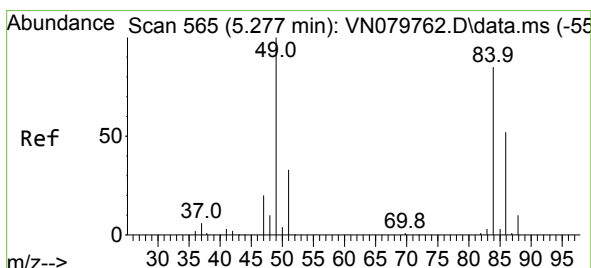
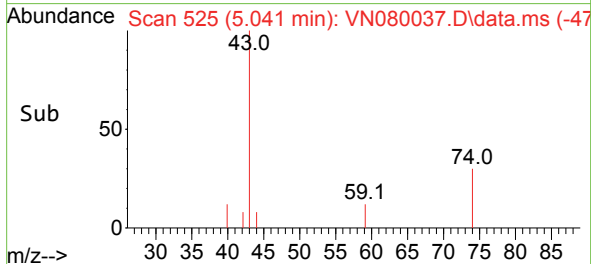
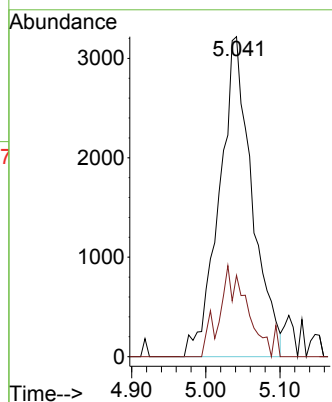
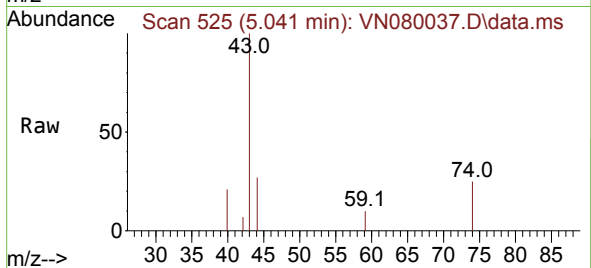




#18
Methyl Acetate
Concen: 1.306 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

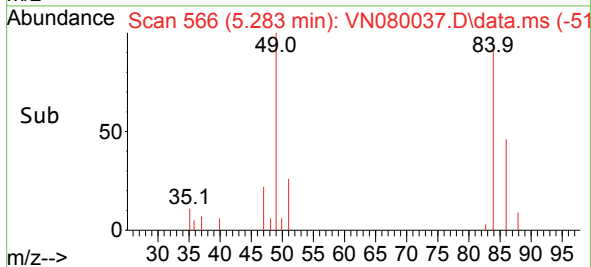
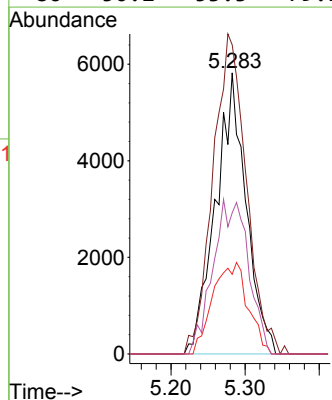
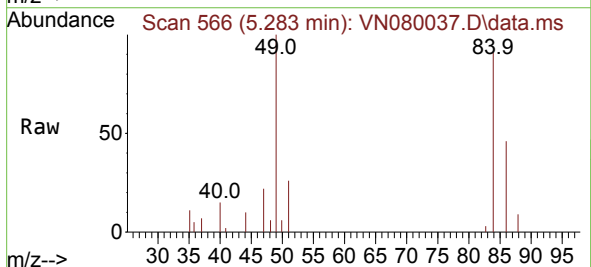
Instrument :
MSVOA_N
ClientSampleId :

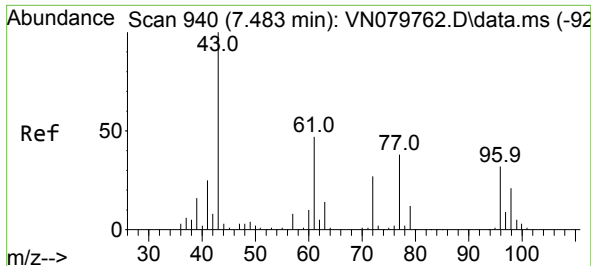
Tgt Ion: 43 Resp: 9852
Ion Ratio Lower Upper
43 100
74 20.8 26.2 39.4#



#20
Methylene Chloride
Concen: 4.161 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

Tgt Ion: 84 Resp: 16552
Ion Ratio Lower Upper
84 100
49 109.9 79.7 119.5
51 28.3 25.2 37.8
86 50.2 53.3 79.9#

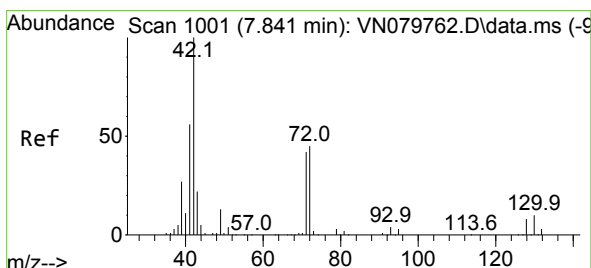
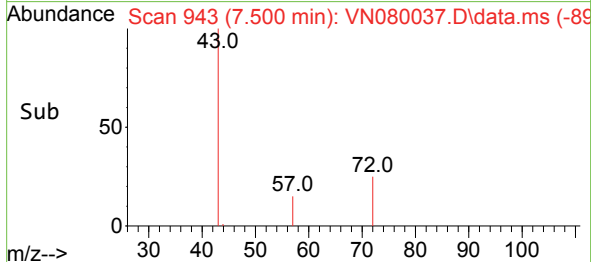
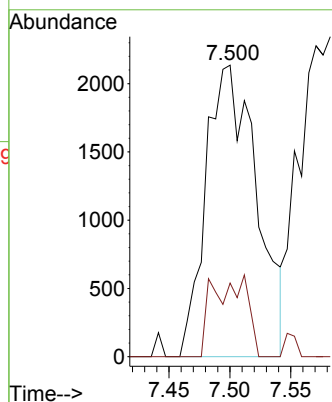
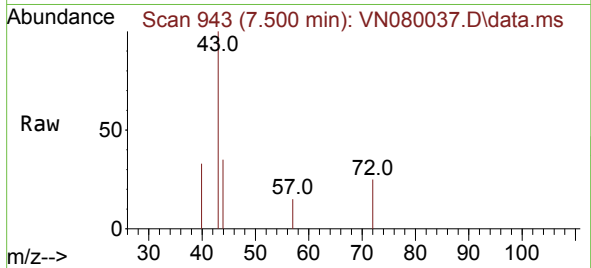




#25
2-Butanone
Concen: 2.676 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

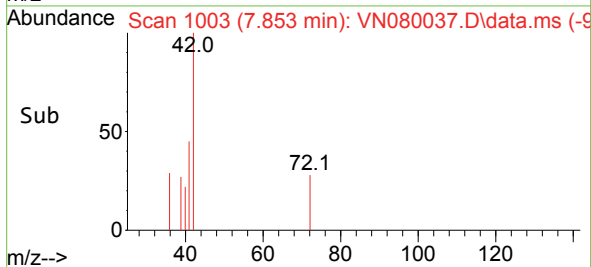
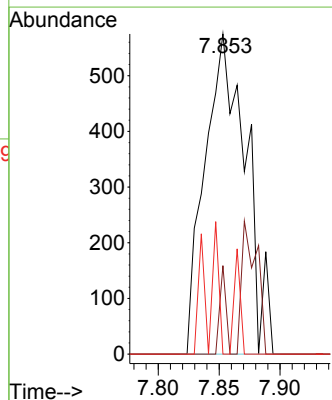
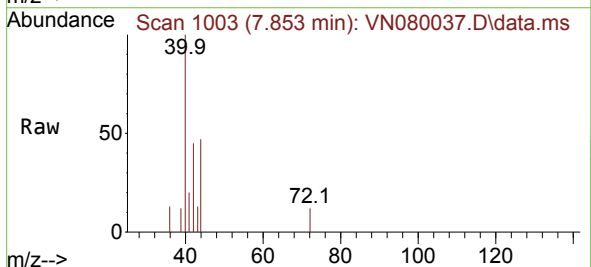
Instrument :
MSVOA_N
ClientSampleId :

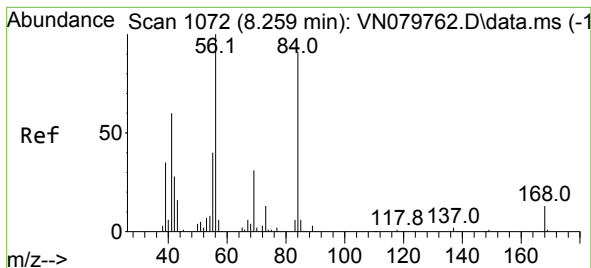
Tgt Ion: 43 Resp: 6178
Ion Ratio Lower Upper
43 100
72 25.2 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.891 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

Tgt Ion: 42 Resp: 1339
Ion Ratio Lower Upper
42 100
72 4.2 49.8 74.6#
71 11.9 47.4 71.2#





#31

Cyclohexane

Concen: 1.175 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.029 min

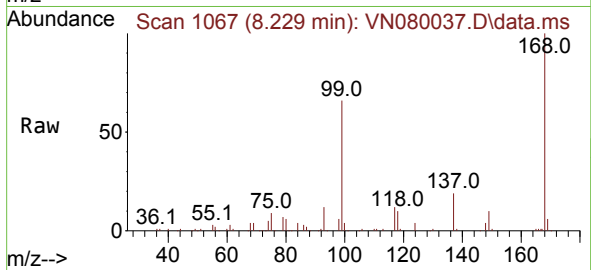
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Acq: 09 Nov 2023 21:22

Instrument :

MSVOA_N

ClientSampleId :



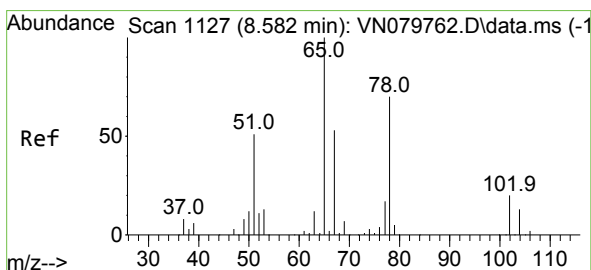
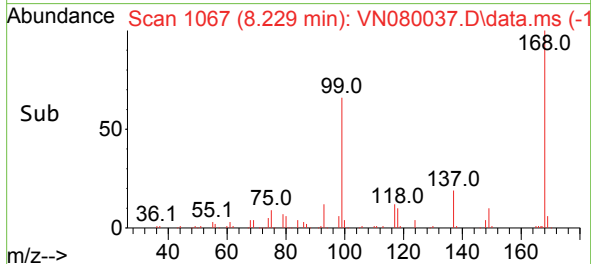
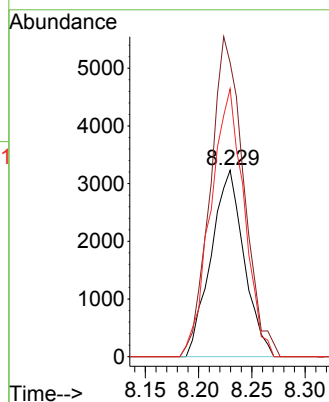
Tgt Ion: 56 Resp: 6970

Ion Ratio Lower Upper

56 100

69 157.8 26.8 40.2#

84 143.7 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 56.719 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080037.D

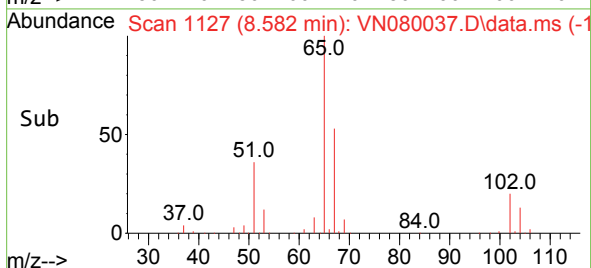
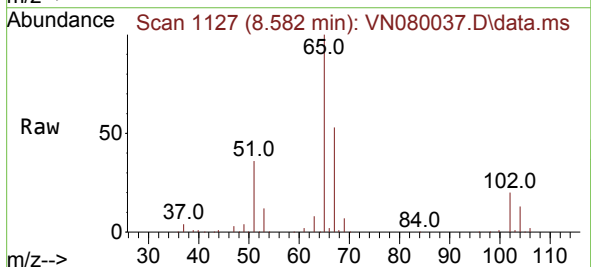
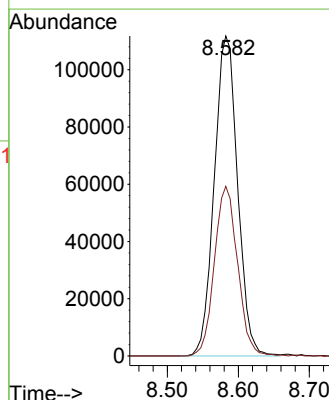
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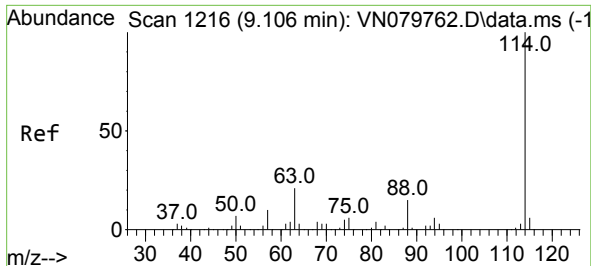
Tgt Ion: 65 Resp: 254565

Ion Ratio Lower Upper

65 100

67 52.7 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: VN080037.D

Acq: 09 Nov 2023 21:22

Instrument :

MSVOA_N

ClientSampleId :

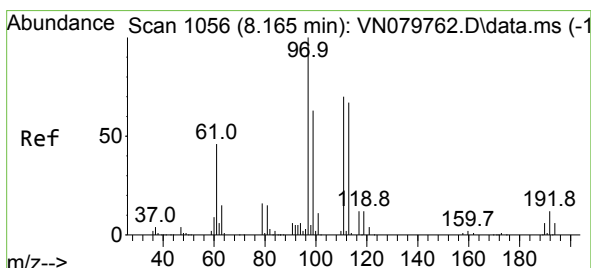
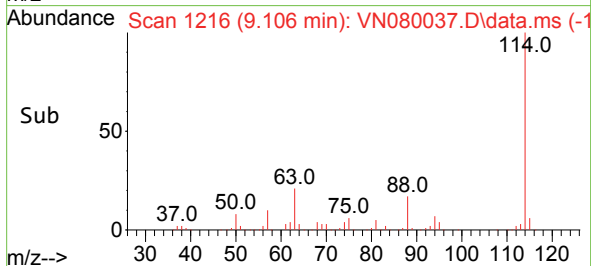
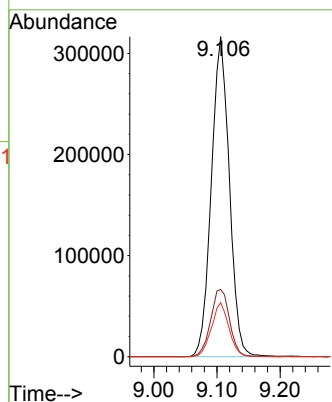
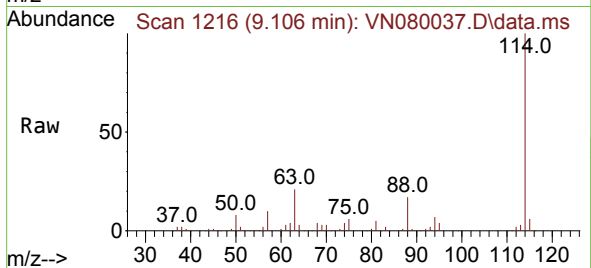
Tgt Ion:114 Resp: 626012

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 16.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.684 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080037.D

Acq: 09 Nov 2023 21:22

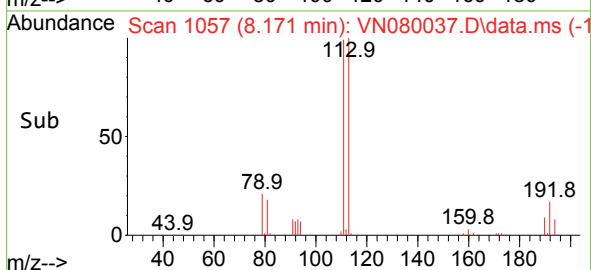
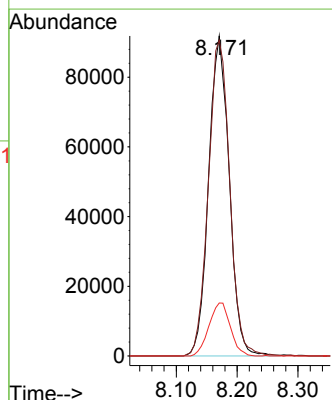
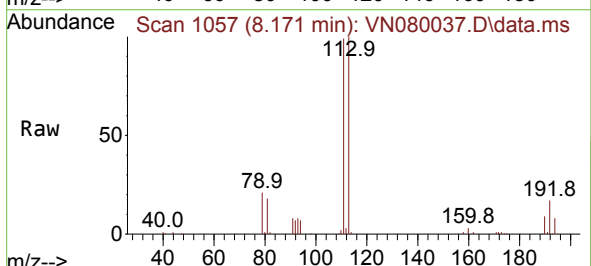
Tgt Ion:113 Resp: 215703

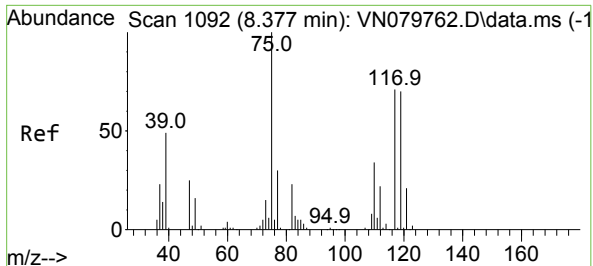
Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 17.2 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.320 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.141 min

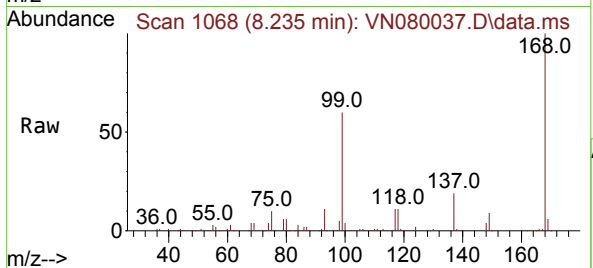
Lab File: VN080037.D

Acq: 09 Nov 2023 21:22

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MSVOA_N

ClientSampleId :



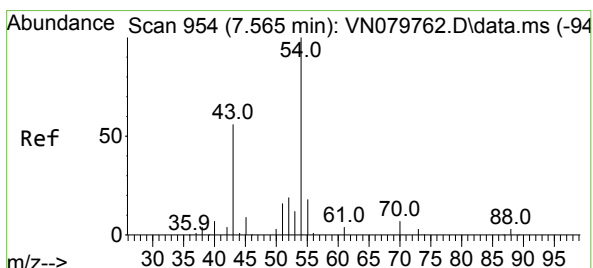
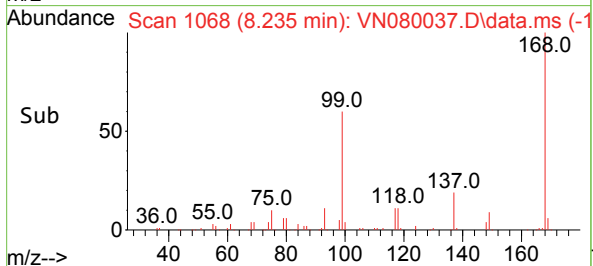
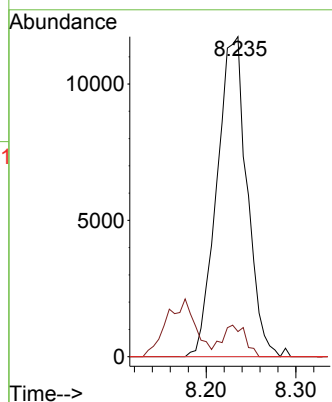
Tgt Ion: 75 Resp: 27328

Ion Ratio Lower Upper

75 100

110 7.7 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.120 ug/l

RT: 7.582 min Scan# 957

Delta R.T. 0.018 min

Lab File: VN080037.D

Acq: 09 Nov 2023 21:22

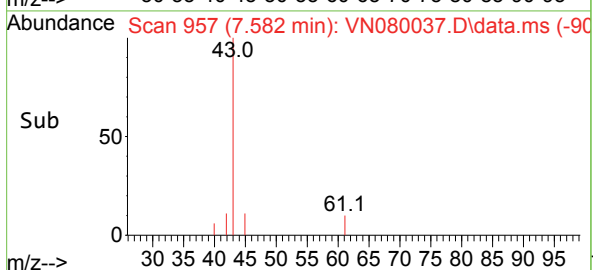
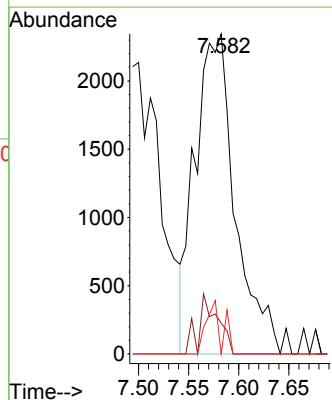
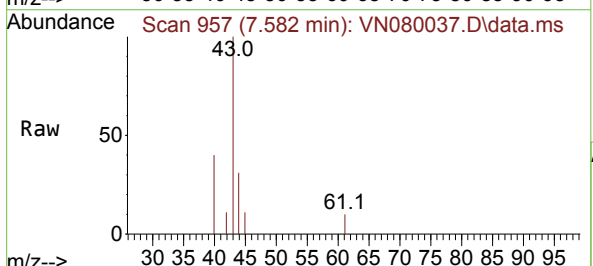
Tgt Ion: 43 Resp: 6501

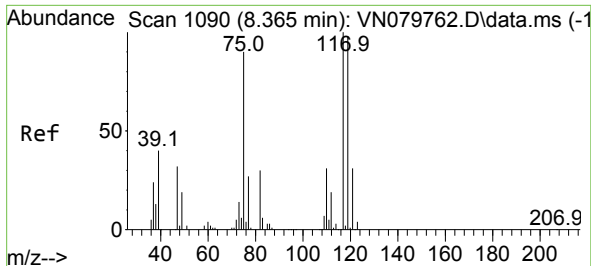
Ion Ratio Lower Upper

43 100

61 9.0 13.2 19.8#

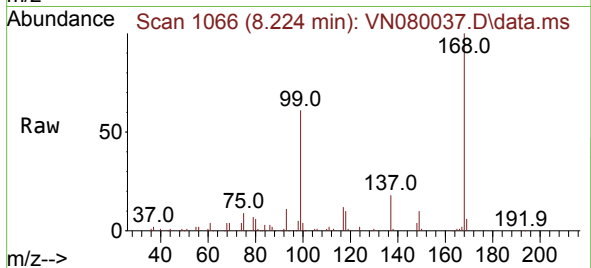
70 6.5 11.3 16.9#



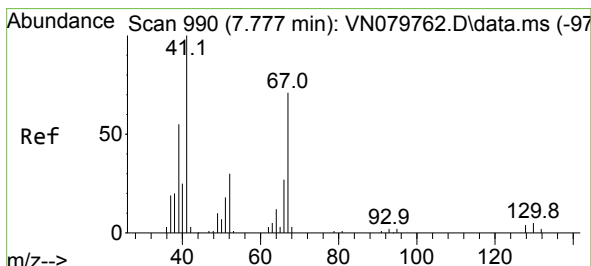
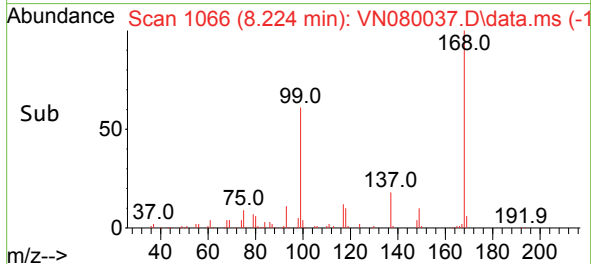
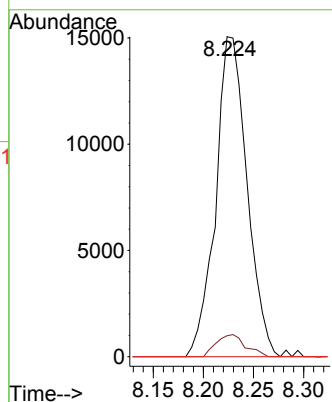


#38
Carbon Tetrachloride
Concen: 5.125 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

Instrument :
MSVOA_N
ClientSampleId :

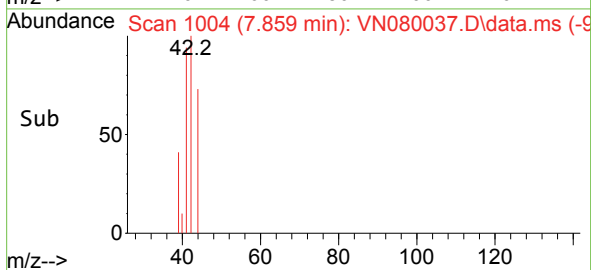
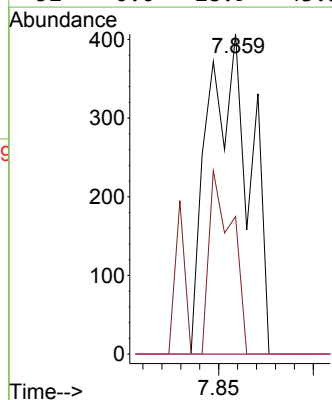
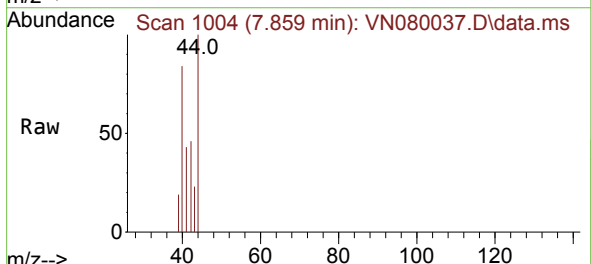


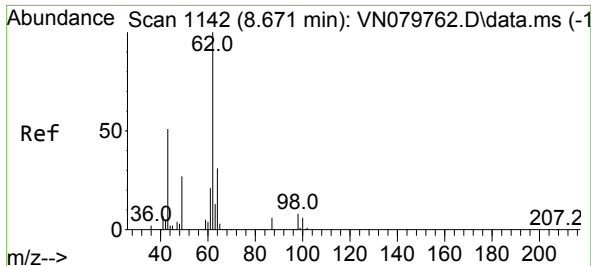
Tgt Ion:117 Resp: 32675
Ion Ratio Lower Upper
117 100
119 6.5 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 0.204 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.076 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

Tgt Ion: 41 Resp: 628
Ion Ratio Lower Upper
41 100
39 31.5 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#





#42

1,2-Dichloroethane

Concen: 0.283 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN080037.D

Acq: 09 Nov 2023 21:22

Instrument :

MSVOA_N

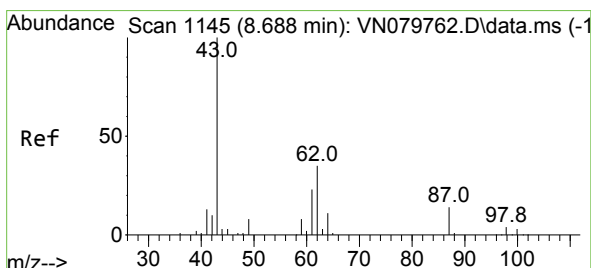
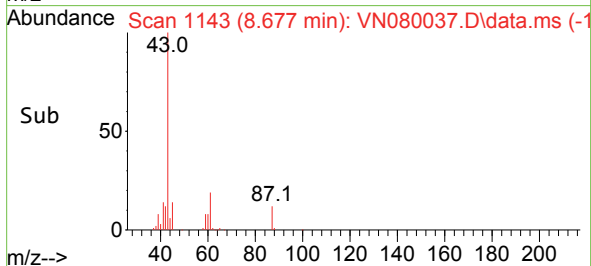
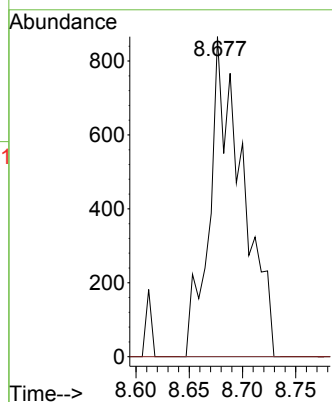
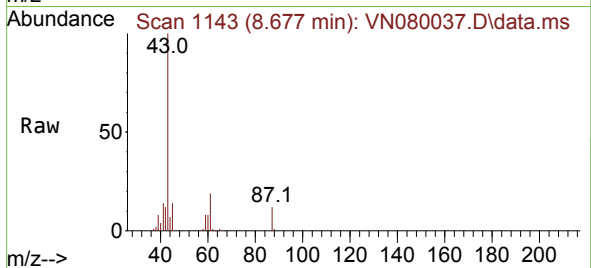
ClientSampleId :

Tgt Ion: 62 Resp: 1870

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 28.178 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080037.D

Acq: 09 Nov 2023 21:22

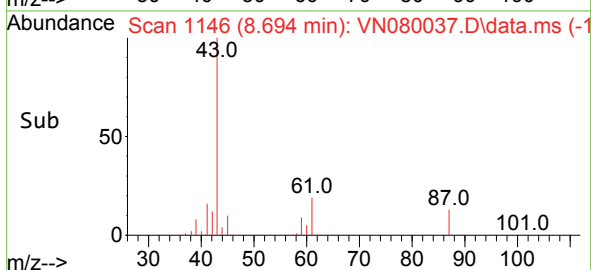
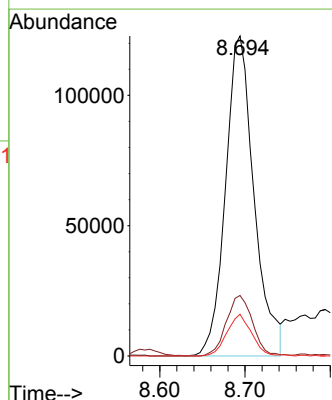
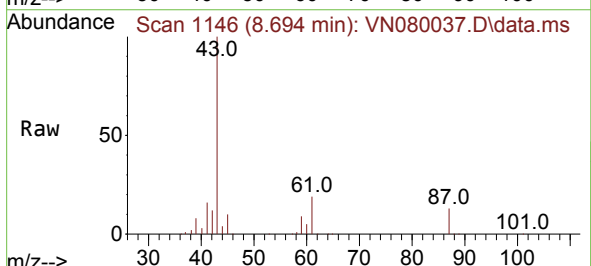
Tgt Ion: 43 Resp: 286710

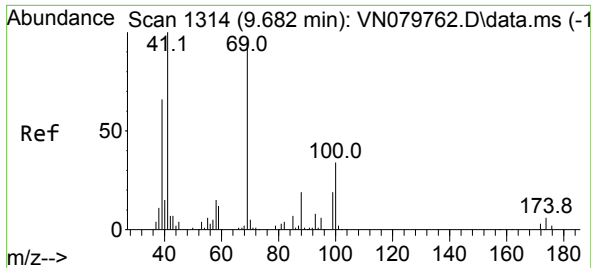
Ion Ratio Lower Upper

43 100

61 17.4 24.7 37.1#

87 11.3 14.6 21.8#

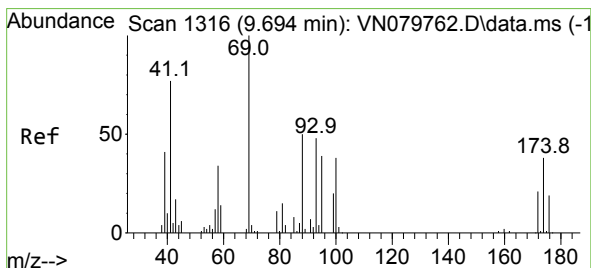
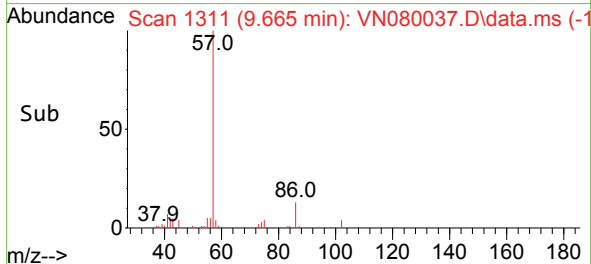
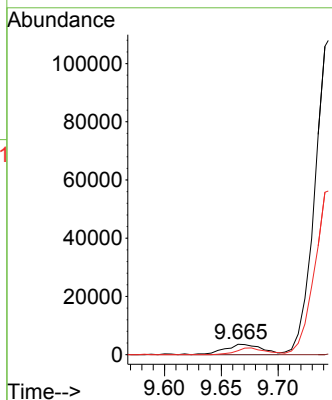
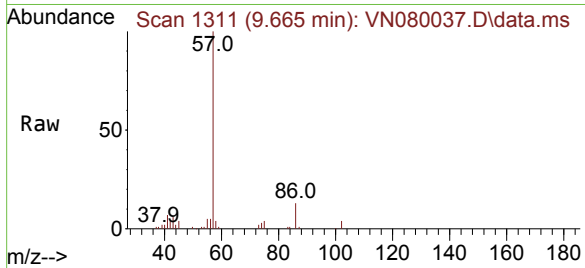




#48
Methyl methacrylate
Concen: 1.852 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

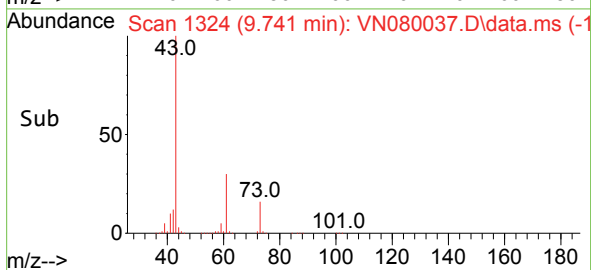
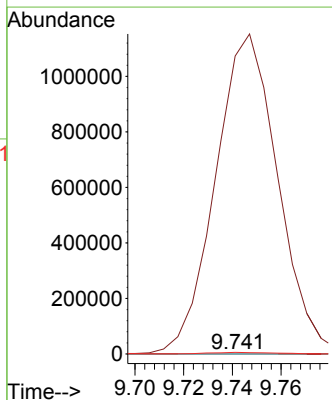
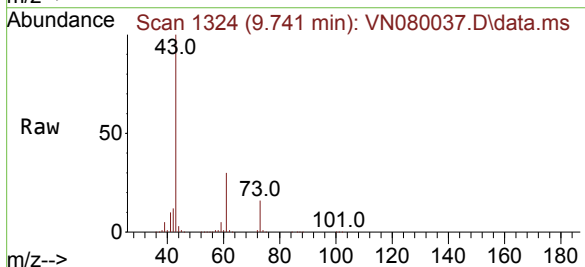
Instrument :
MSVOA_N
ClientSampleId :

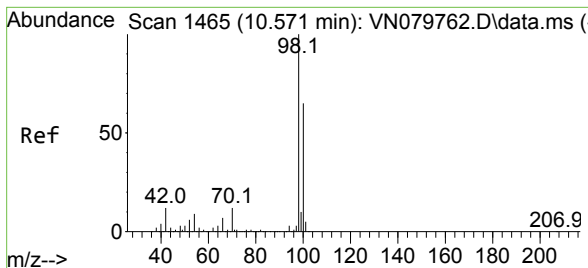
Tgt Ion: 41 Resp: 8254
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 52.0 54.6 81.8#



#49
1,4-Dioxane
Concen: 3.086 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

Tgt Ion: 88 Resp: 243
Ion Ratio Lower Upper
88 100
43 849346.1 17.0 25.6#
58 4559.3 47.0 70.4#

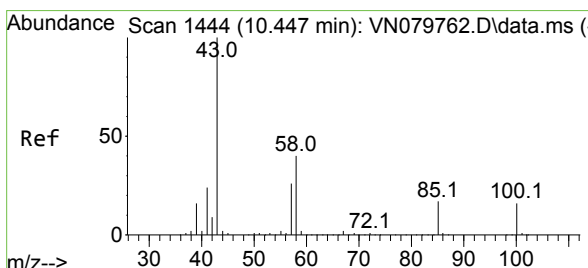
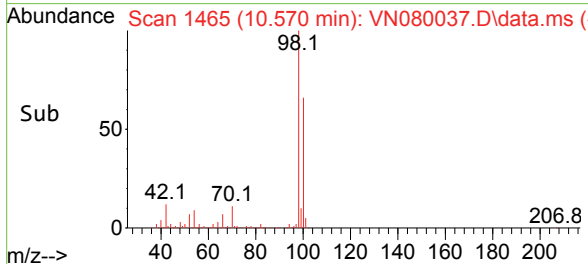
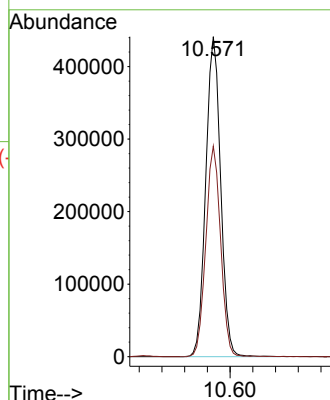
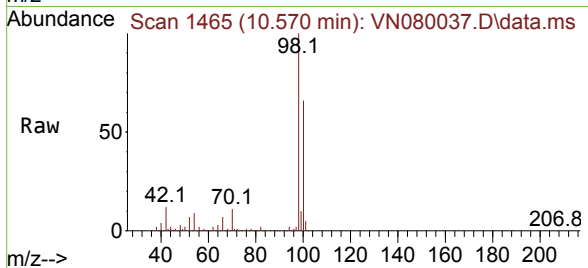




#50
Toluene-d8
Concen: 49.058 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

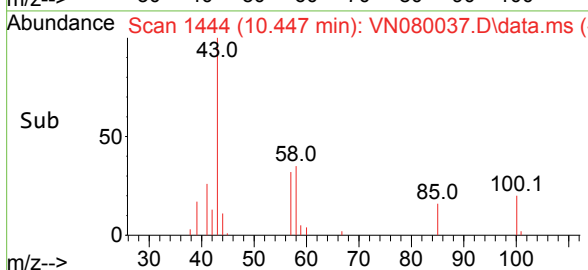
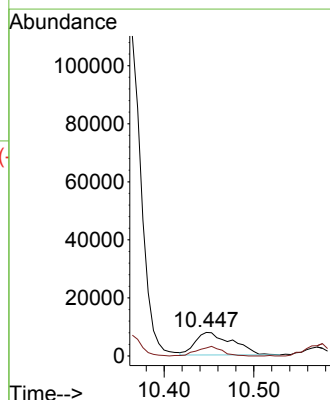
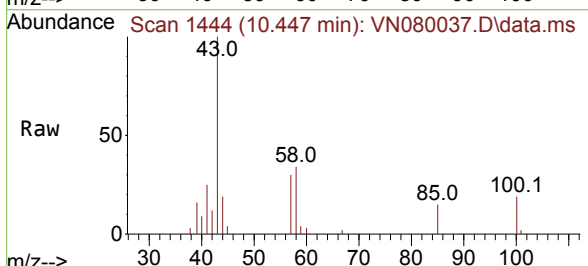
Instrument :
MSVOA_N
ClientSampleId :

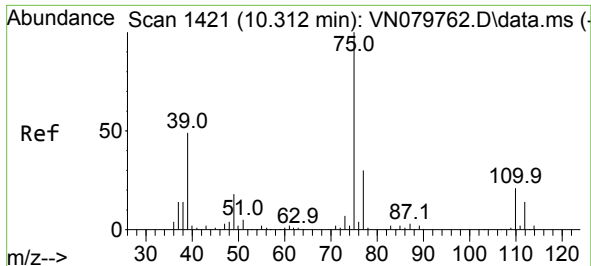
Tgt Ion: 98 Resp: 800182
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.922 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

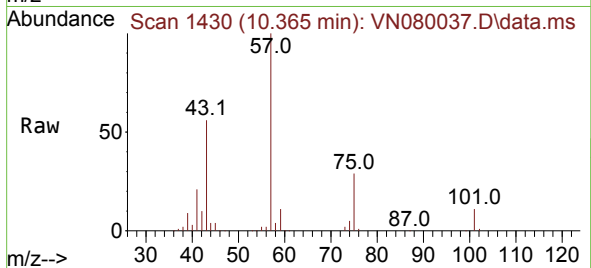
Tgt Ion: 43 Resp: 22468
Ion Ratio Lower Upper
43 100
58 28.2 36.6 54.8#



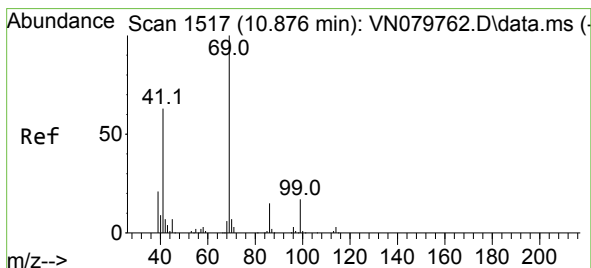
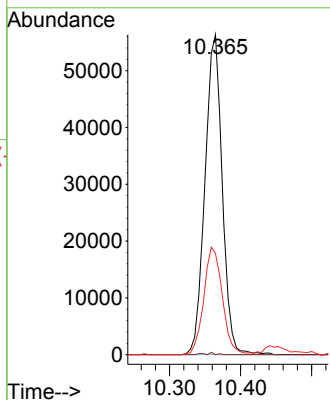
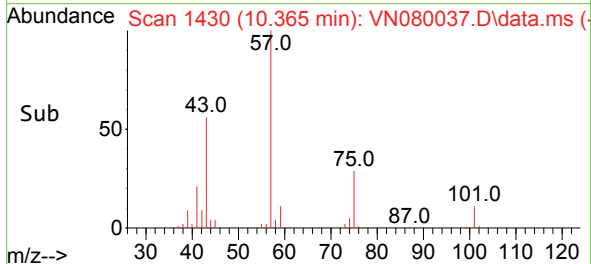


#54
 cis-1,3-Dichloropropene
 Concen: 12.641 ug/l
 RT: 10.365 min Scan# 1421
 Delta R.T. 0.047 min
 Lab File: VN080037.D
 Acq: 09 Nov 2023 21:22

Instrument :
 MSVOA_N
 ClientSampleId :

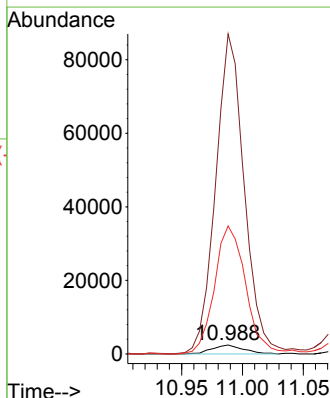
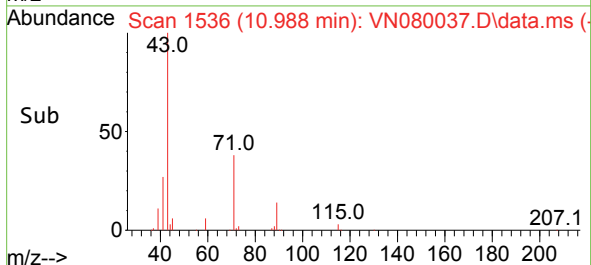
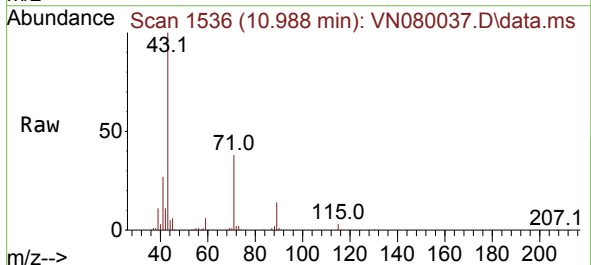


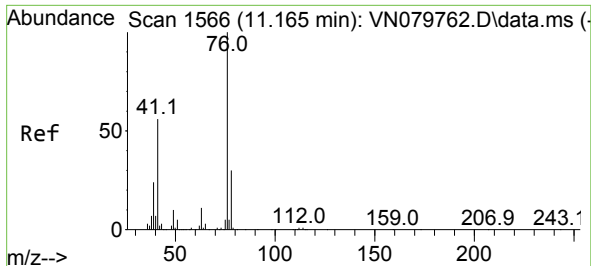
Tgt Ion: 75 Resp: 95244
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 31.6 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.686 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN080037.D
 Acq: 09 Nov 2023 21:22

Tgt Ion: 69 Resp: 4418
 Ion Ratio Lower Upper
 69 100
 41 3254.5 39.6 59.4#
 39 1414.7 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.434 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN080037.D

Acq: 09 Nov 2023 21:22

Instrument :

MSVOA_N

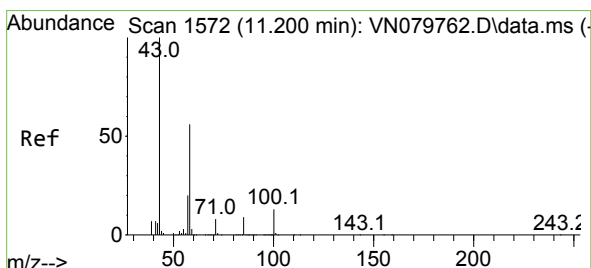
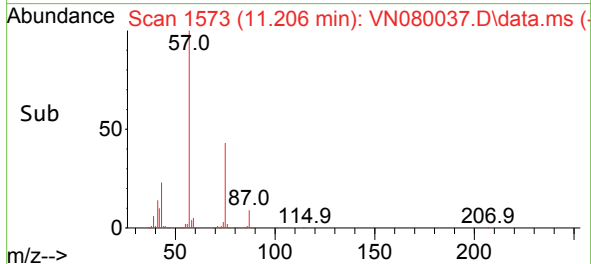
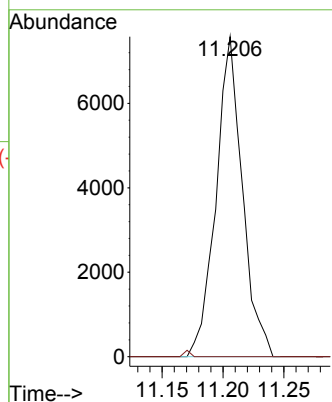
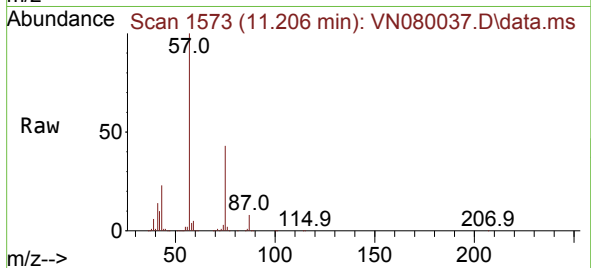
ClientSampleId :

Tgt Ion: 76 Resp: 11421

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 59.811 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN080037.D

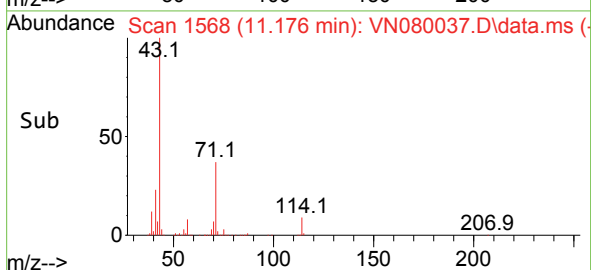
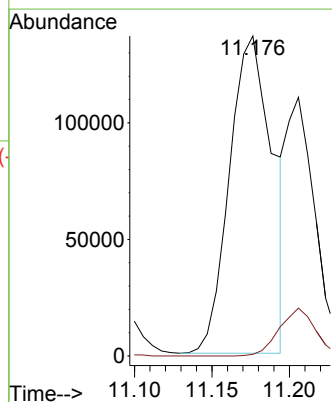
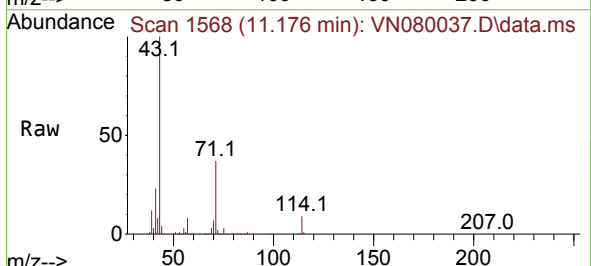
Acq: 09 Nov 2023 21:22

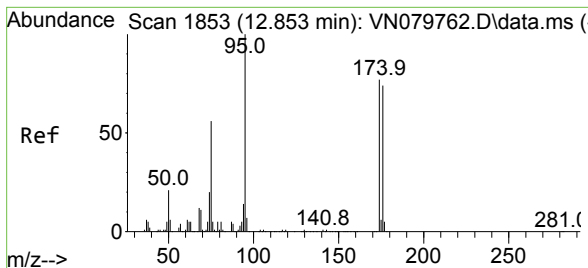
Tgt Ion: 43 Resp: 262100

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

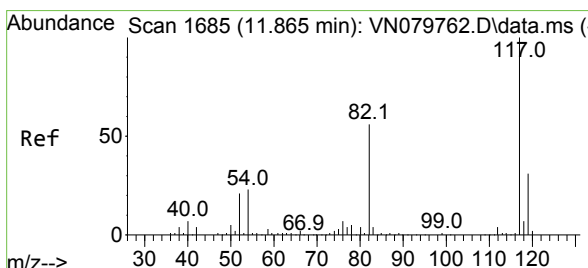
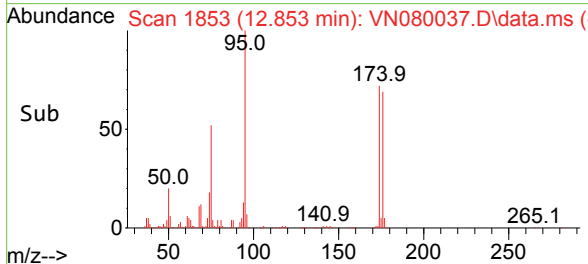
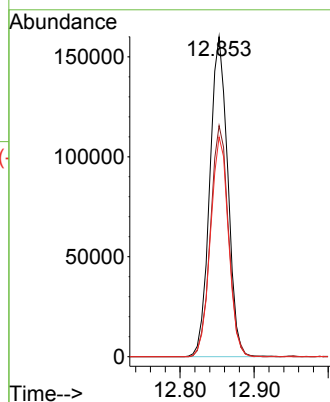
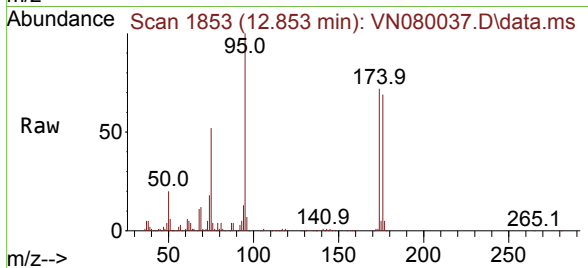




#62
4-Bromofluorobenzene
Concen: 49.701 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

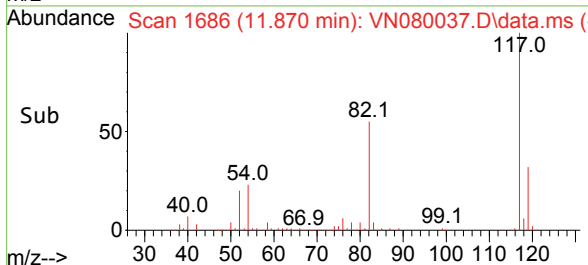
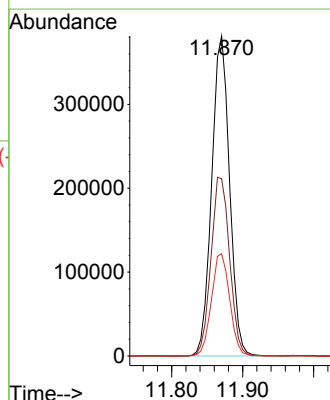
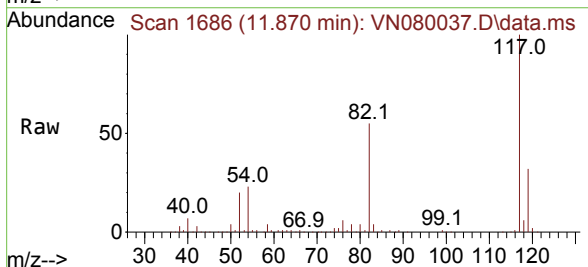
Instrument :
MSVOA_N
ClientSampleId :

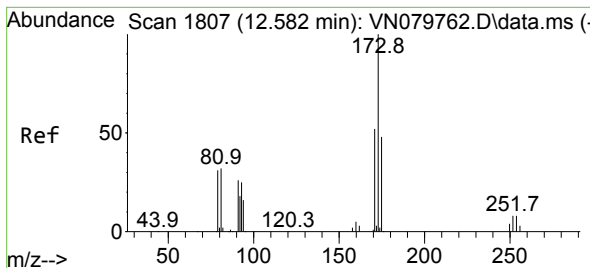
Tgt Ion: 95 Resp: 268860
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.8
176 68.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

Tgt Ion: 117 Resp: 664734
Ion Ratio Lower Upper
117 100
82 55.4 44.0 66.0
119 32.0 25.6 38.4





#71

Bromoform

Concen: 0.485 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

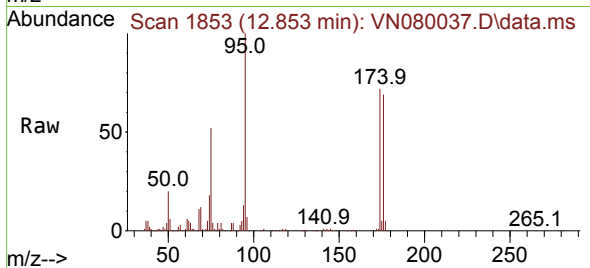
Lab File: VN080037.D

Acq: 09 Nov 2023 21:22

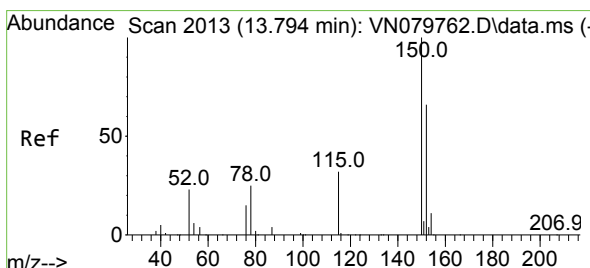
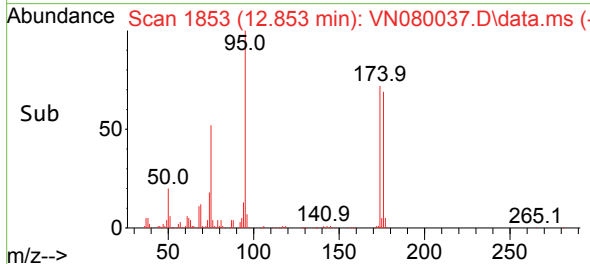
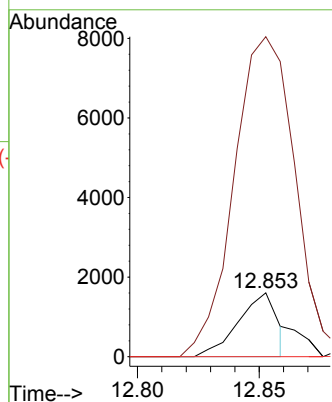
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1789
Ion Ratio	Lower	Upper	
173	100		
175	628.3	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

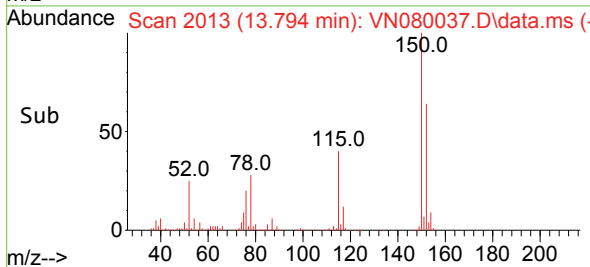
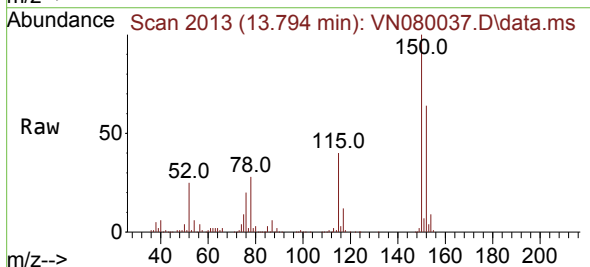
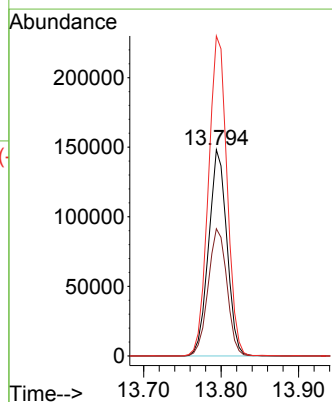
RT: 13.794 min Scan# 2013

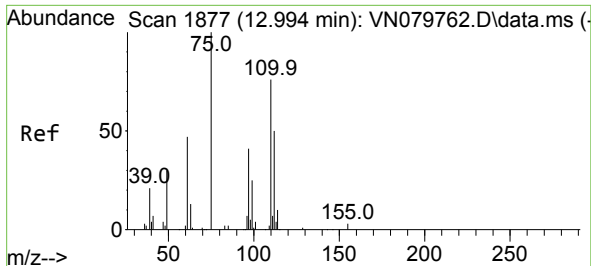
Delta R.T. 0.000 min

Lab File: VN080037.D

Acq: 09 Nov 2023 21:22

Tgt Ion:	152	Resp:	243211
Ion Ratio	Lower	Upper	
152	100		
115	63.4	32.3	96.8
150	157.9	0.0	355.8

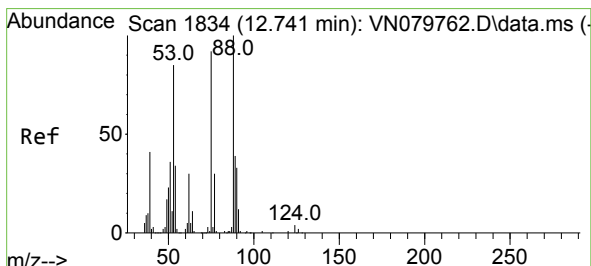
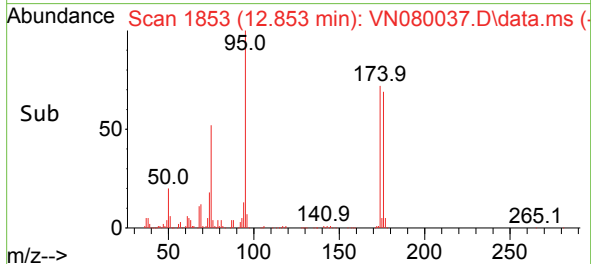
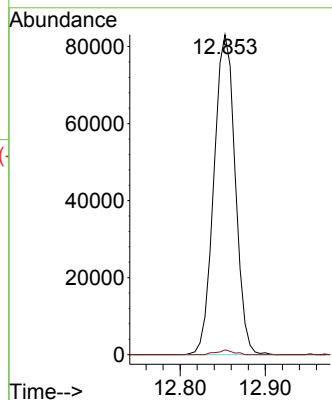
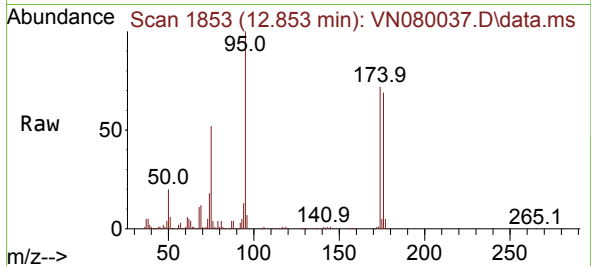




#76
1,2,3-Trichloropropane
Concen: 25.261 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 144235
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.728 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080037.D
Acq: 09 Nov 2023 21:22

Tgt Ion: 75 Resp: 144235
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

