

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080209.D
 Acq On : 20 Nov 2023 15:48
 Operator : JC\MD
 Sample : PB157250ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:06:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

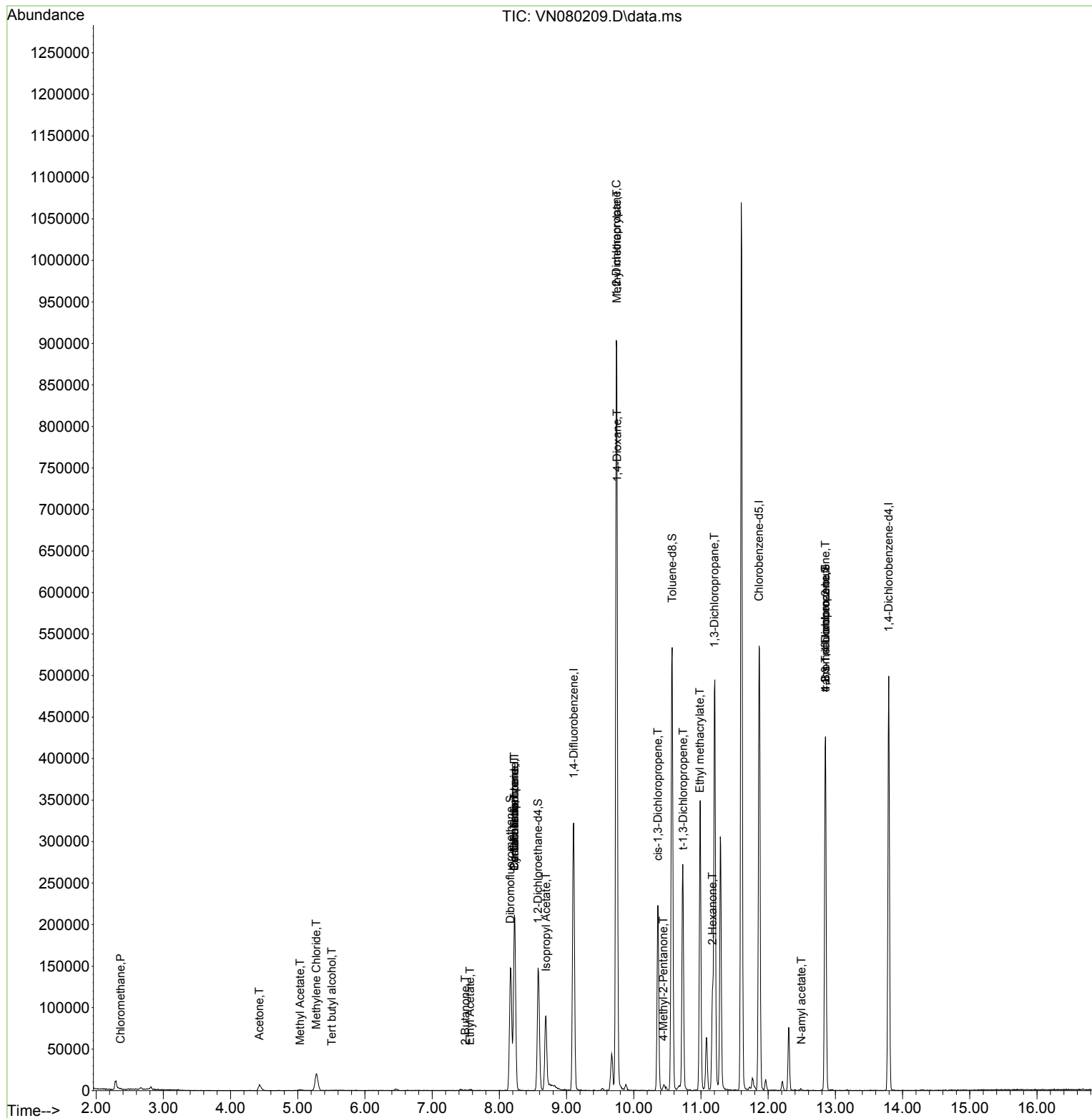
Internal Standards						
1) Pentafluorobenzene	8.224	168	144198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138161	58.028	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.060%	
35) Dibromofluoromethane	8.165	113	102332	52.359	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.720%	
50) Toluene-d8	10.571	98	372092	52.814	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.620%	
62) 4-Bromofluorobenzene	12.853	95	145132	54.537	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	416	0.258	ug/l #	42
6) Chloroethane	3.106	64	672	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	66	0.252	ug/l #	72
16) Acetone	4.430	43	12589	15.742	ug/l	97
18) Methyl Acetate	5.036	43	1992	0.775	ug/l #	63
20) Methylene Chloride	5.277	84	17129	10.228	ug/l	89
25) 2-Butanone	7.494	43	1107	1.165	ug/l	99
31) Cyclohexane	8.224	56	3555	1.373	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	12760	4.509	ug/l #	50
37) Ethyl Acetate	7.565	43	2118	1.079	ug/l #	70
38) Carbon Tetrachloride	8.224	117	16998	4.734	ug/l #	15
43) Isopropyl Acetate	8.694	43	99526	26.058	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1394	0.746	ug/l #	45
48) Methyl methacrylate	9.747	41	91255	46.362	ug/l #	30
49) 1,4-Dioxane	9.753	88	120	3.665	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	3602	1.822	ug/l	95
53) t-1,3-Dichloropropene	10.735	75	1034	0.323	ug/l #	16
54) cis-1,3-Dichloropropene	10.359	75	42707	13.074	ug/l #	71
56) Ethyl methacrylate	10.982	69	1357	0.691	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5686	1.695	ug/l #	42
59) 2-Hexanone	11.171	43	84068	52.907	ug/l #	19
74) N-amyl acetate	12.494	43	993	0.327	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	86503	28.164	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	86503	95.155	ug/l #	15

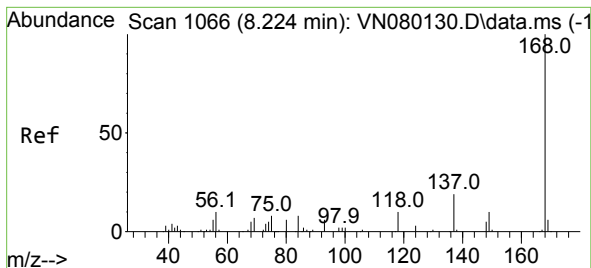
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080209.D

Acq: 20 Nov 2023 15:48

Instrument :

MSVOA_N

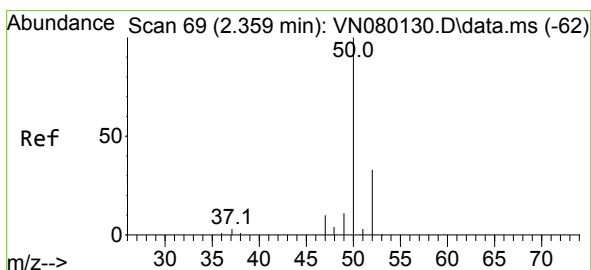
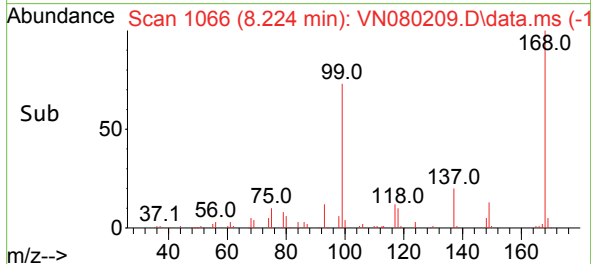
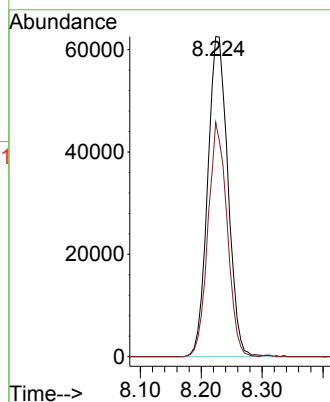
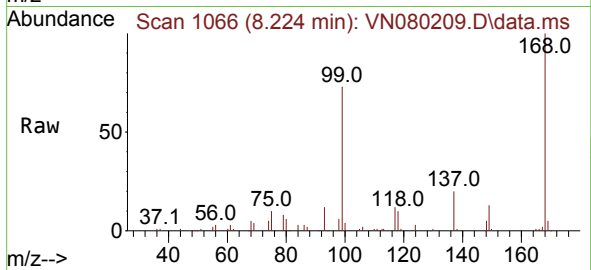
ClientSampleId :

Tgt Ion:168 Resp: 144198

Ion Ratio Lower Upper

168 100

99 73.2 53.0 79.6



#3

Chloromethane

Concen: 0.258 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080209.D

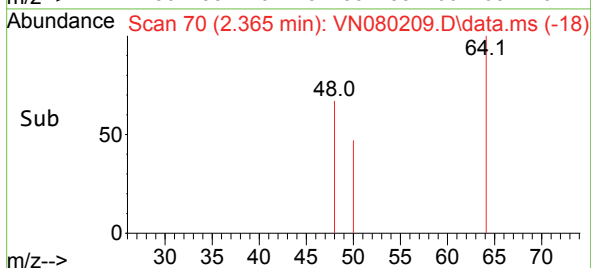
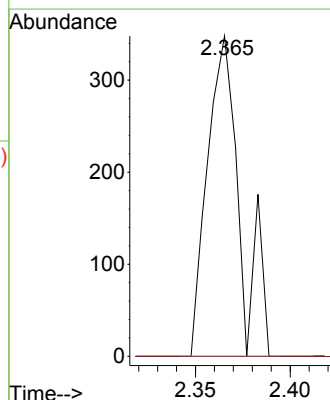
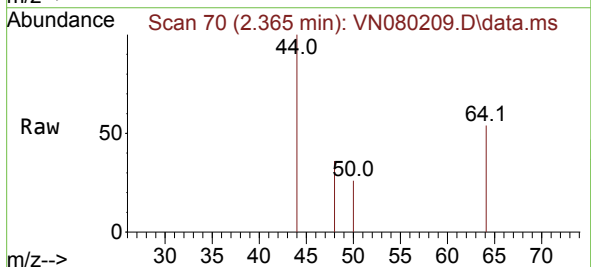
Acq: 20 Nov 2023 15:48

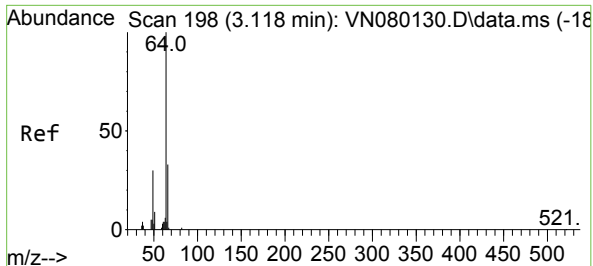
Tgt Ion: 50 Resp: 416

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

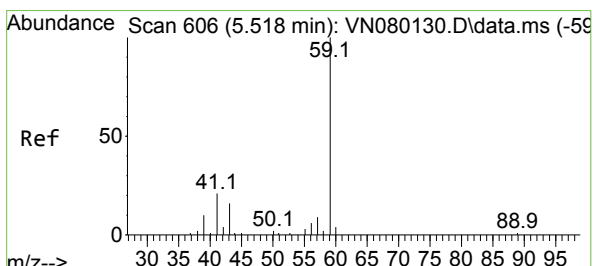
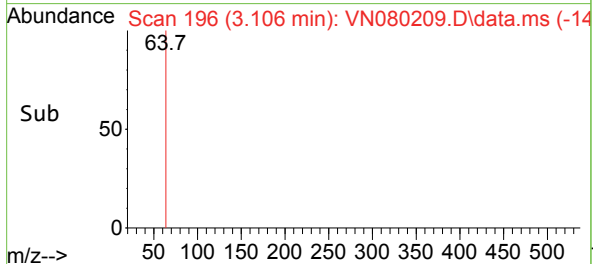
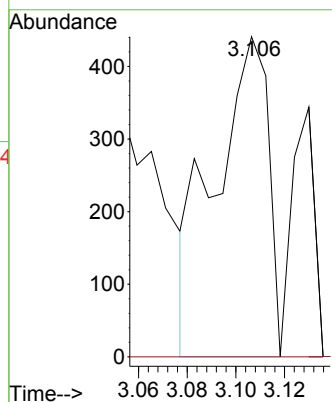
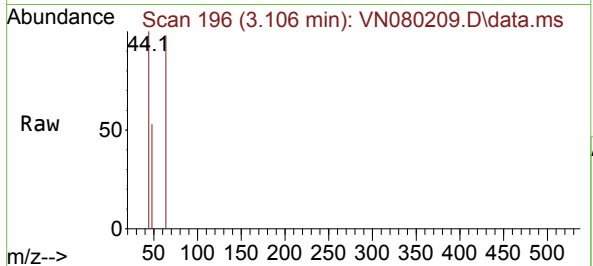




#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 198
Delta R.T. -0.012 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

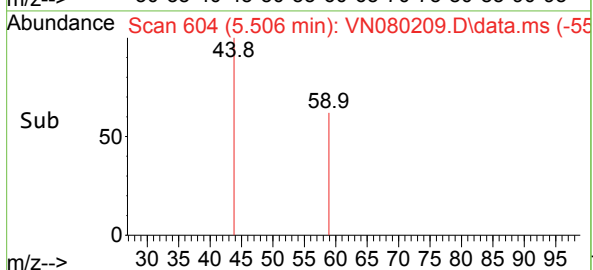
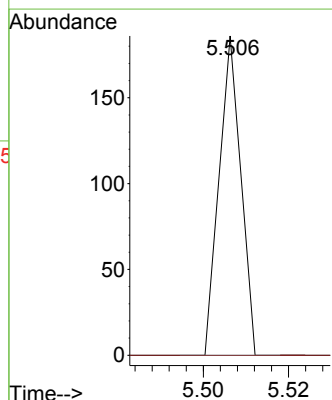
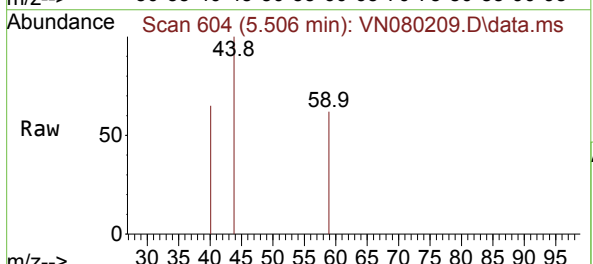
Instrument :
MSVOA_N
ClientSampleId :

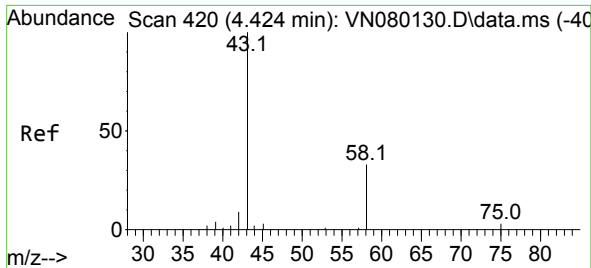
Tgt Ion: 64 Resp: 672
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.252 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 15.742 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN080209.D

Acq: 20 Nov 2023 15:48

Instrument :

MSVOA_N

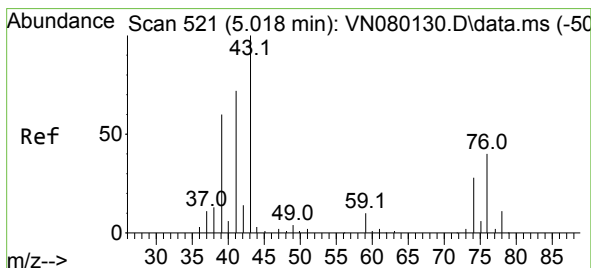
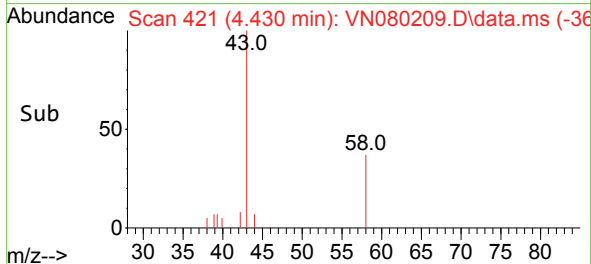
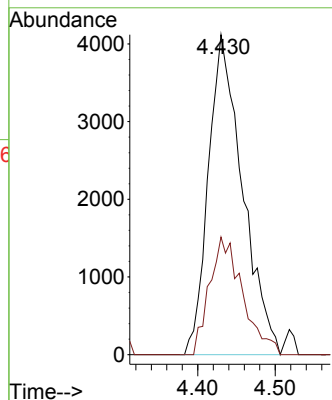
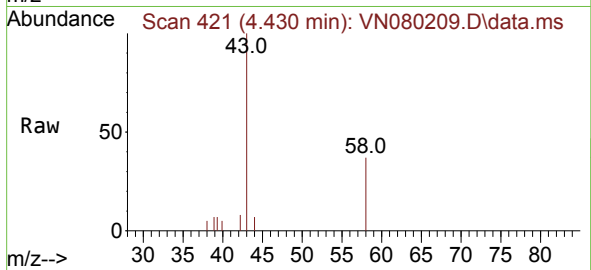
ClientSampleId :

Tgt Ion: 43 Resp: 12589

Ion Ratio Lower Upper

43 100

58 36.8 28.0 42.0



#18

Methyl Acetate

Concen: 0.775 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.018 min

Lab File: VN080209.D

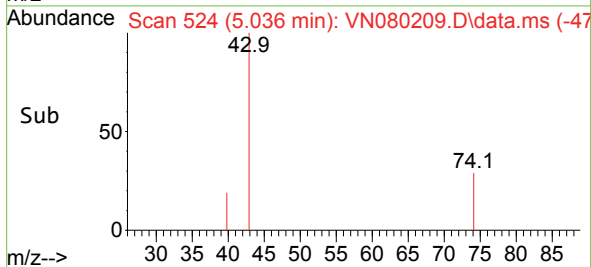
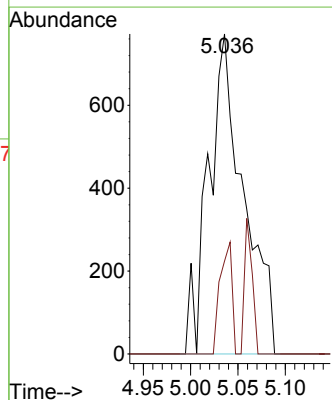
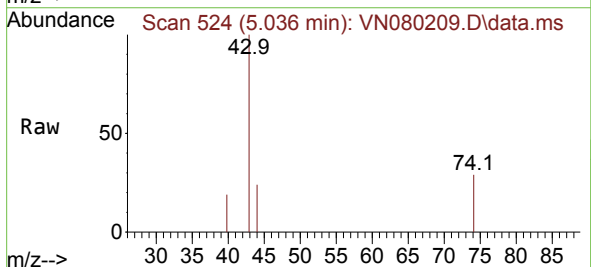
Acq: 20 Nov 2023 15:48

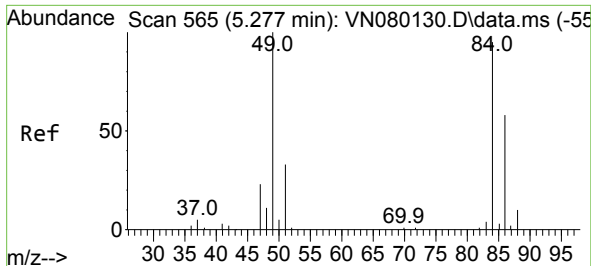
Tgt Ion: 43 Resp: 1992

Ion Ratio Lower Upper

43 100

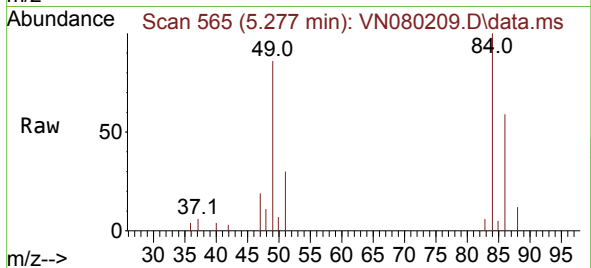
74 11.8 26.2 39.4#



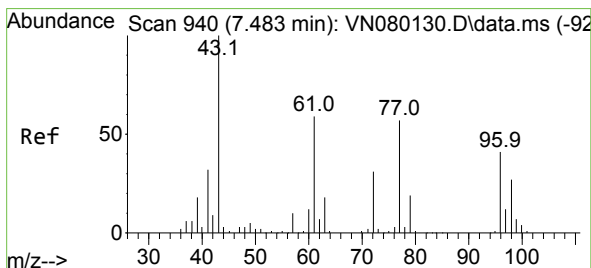
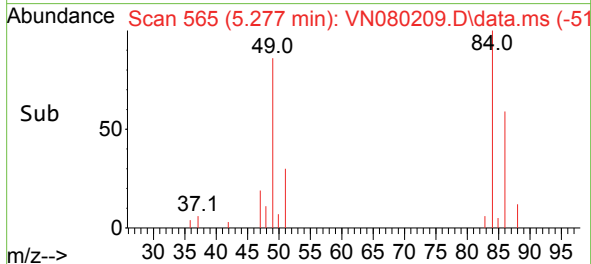
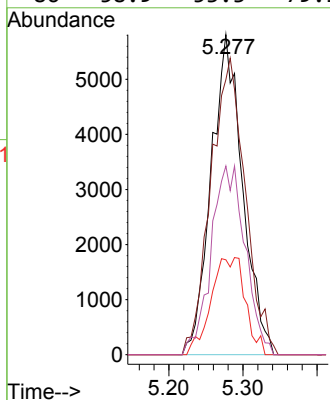


#20
Methylene Chloride
Concen: 10.228 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

Instrument :
MSVOA_N
ClientSampleId :

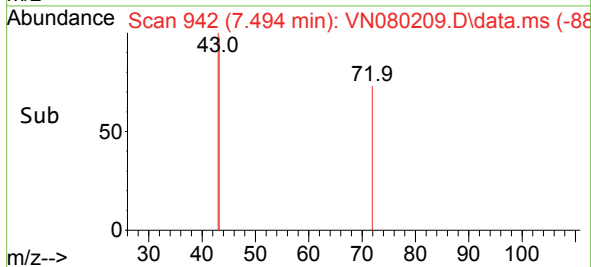
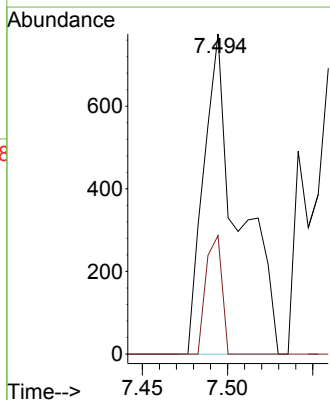
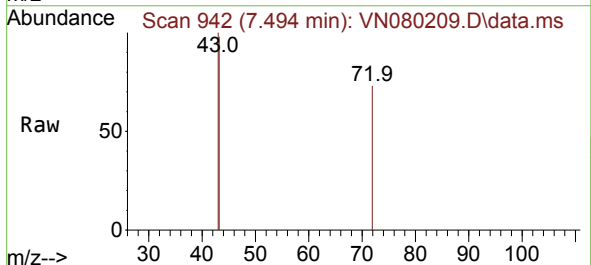


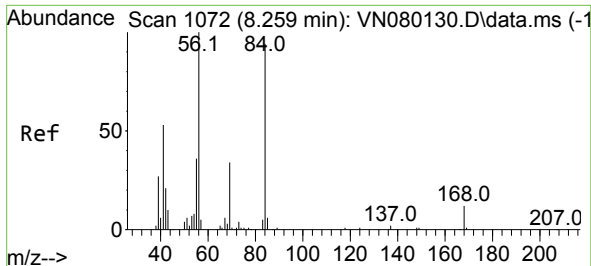
Tgt Ion:	84	Resp:	17129
Ion	Ratio	Lower	Upper
84	100		
49	86.0	79.7	119.5
51	29.7	25.2	37.8
86	58.9	53.3	79.9



#25
2-Butanone
Concen: 1.165 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

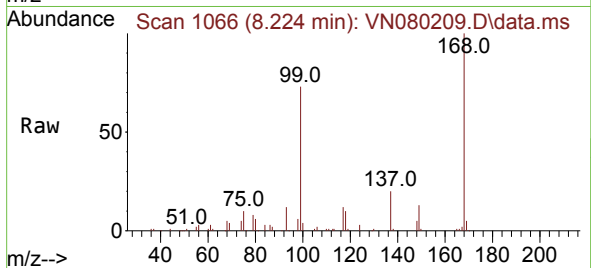
Tgt Ion:	43	Resp:	1107
Ion	Ratio	Lower	Upper
43	100		
72	37.0	30.2	45.2



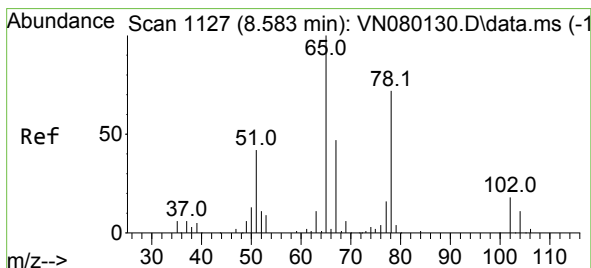
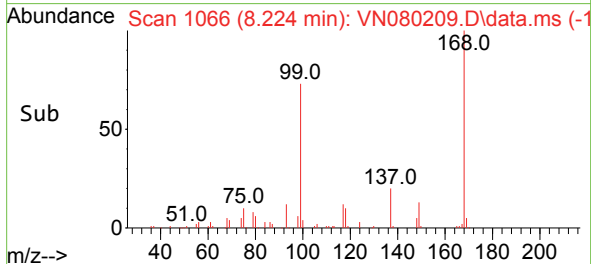
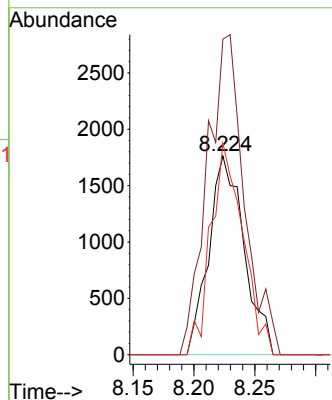


#31
Cyclohexane
Concen: 1.373 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

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ClientSampleId :

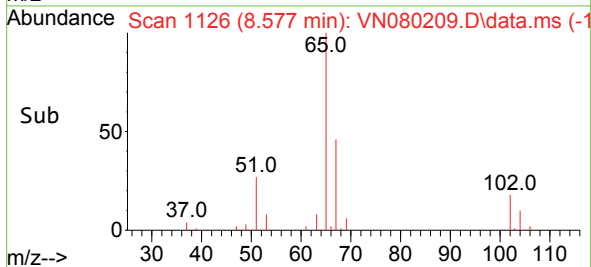
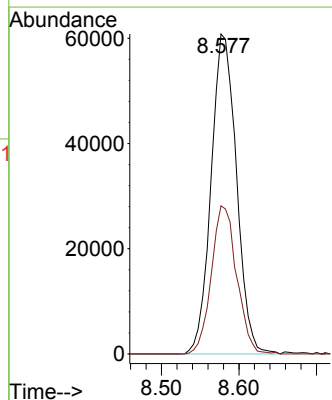
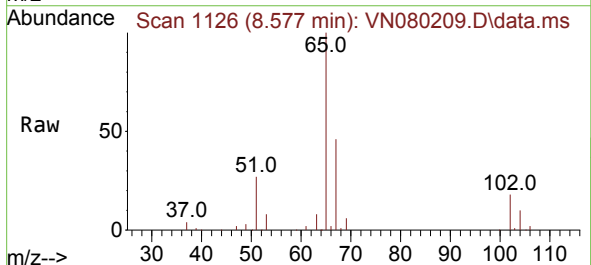


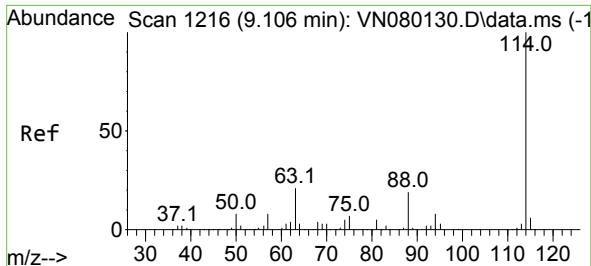
Tgt Ion: 56 Resp: 3555
Ion Ratio Lower Upper
56 100
69 158.9 26.8 40.2#
84 106.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 58.028 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

Tgt Ion: 65 Resp: 138161
Ion Ratio Lower Upper
65 100
67 46.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080209.D

Acq: 20 Nov 2023 15:48

Instrument :

MSVOA_N

ClientSampleId :

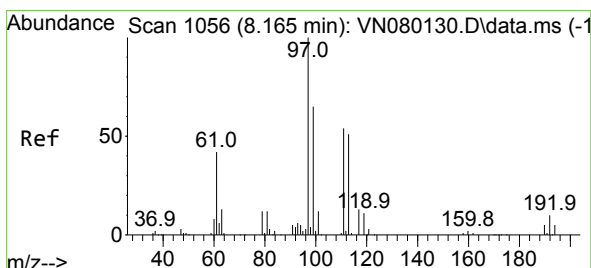
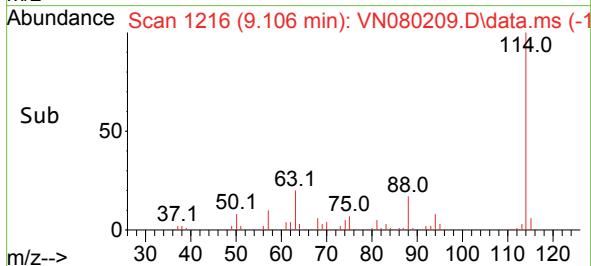
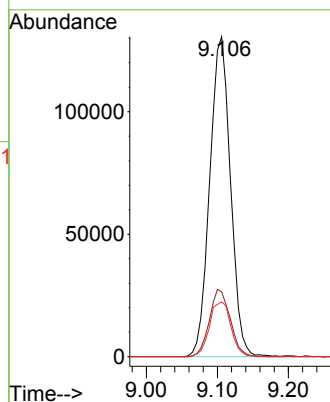
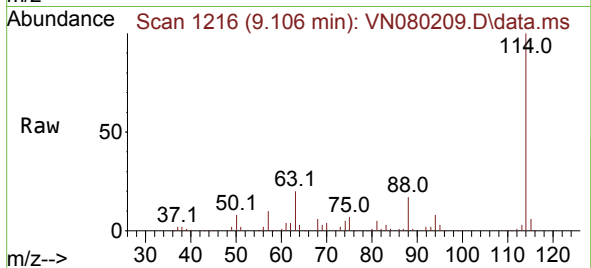
Tgt Ion:114 Resp: 264877

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 17.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.359 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080209.D

Acq: 20 Nov 2023 15:48

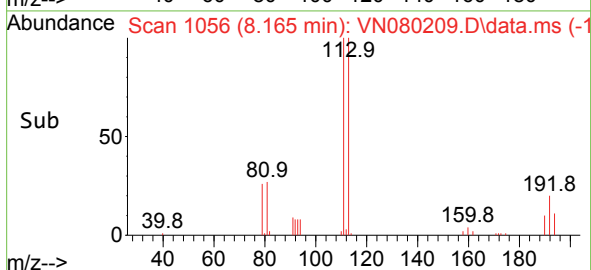
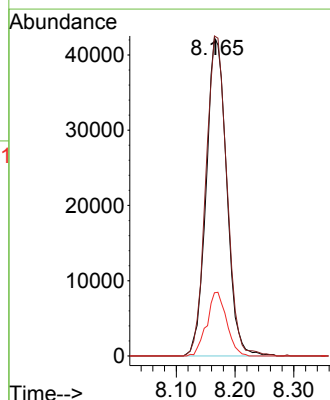
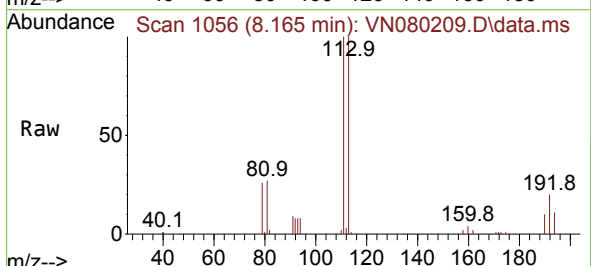
Tgt Ion:113 Resp: 102332

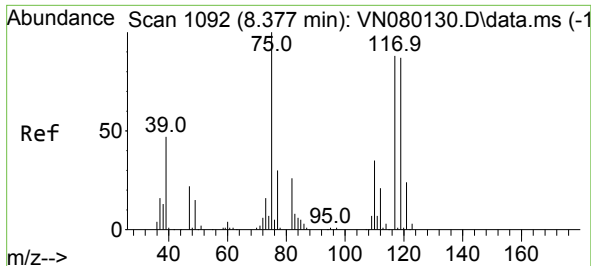
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 19.4 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.509 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

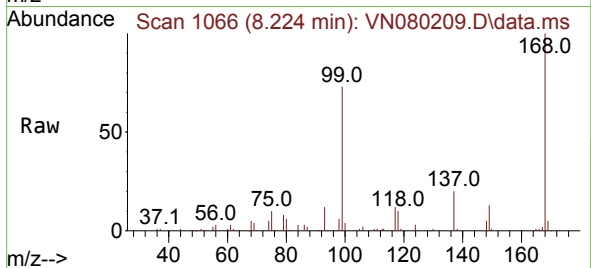
Lab File: VN080209.D

Acq: 20 Nov 2023 15:48

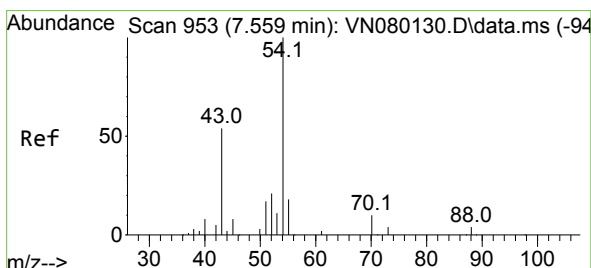
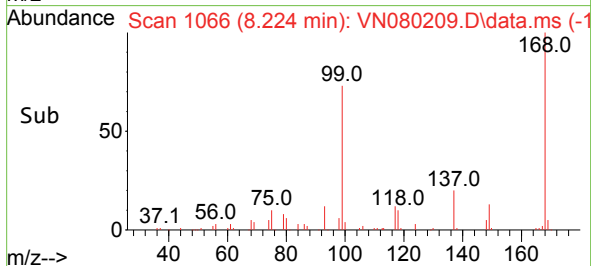
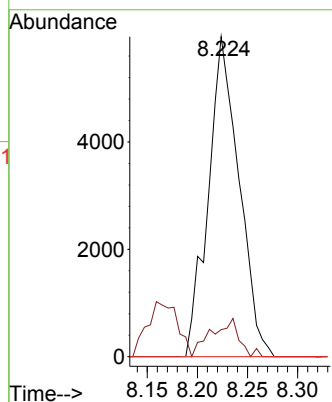
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 12760
Ion Ratio	Lower Upper
75	100
110	10.7 19.1 57.3#
77	0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.079 ug/l

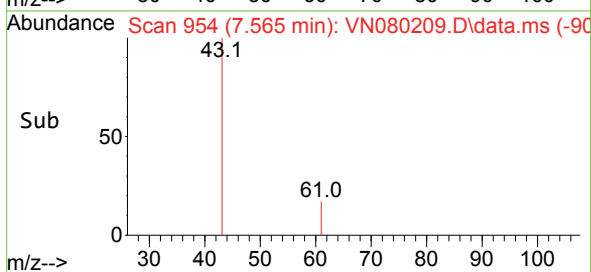
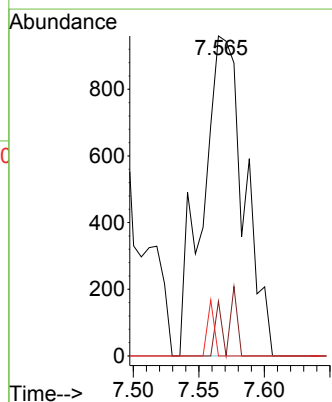
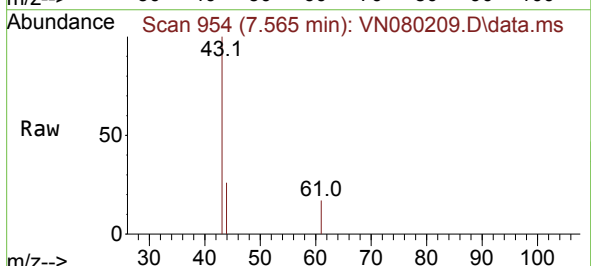
RT: 7.565 min Scan# 954

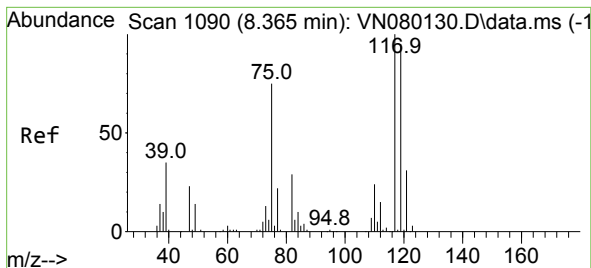
Delta R.T. 0.006 min

Lab File: VN080209.D

Acq: 20 Nov 2023 15:48

Tgt Ion: 43	Resp: 2118
Ion Ratio	Lower Upper
43	100
61	2.7 13.2 19.8#
70	2.8 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.734 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

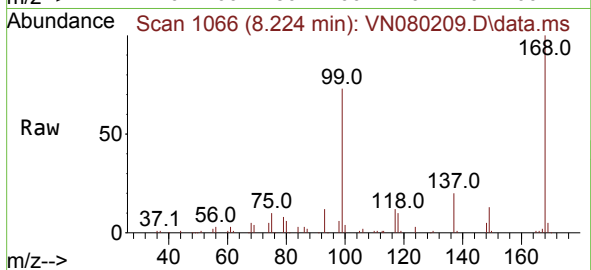
Lab File: VN080209.D

Acq: 20 Nov 2023 15:48

Instrument :

MSVOA_N

ClientSampleId :



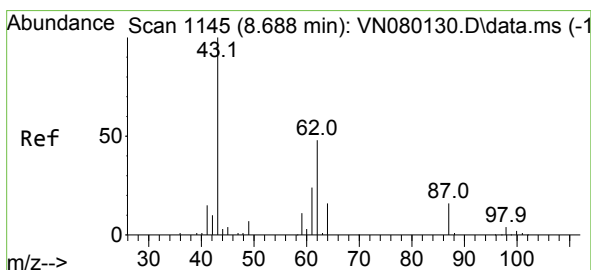
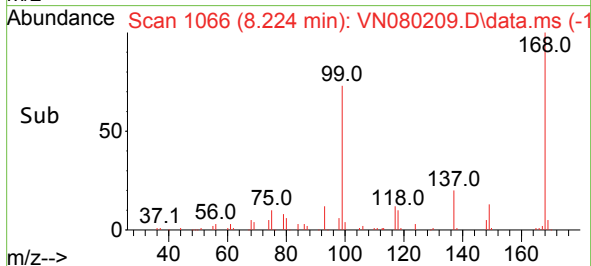
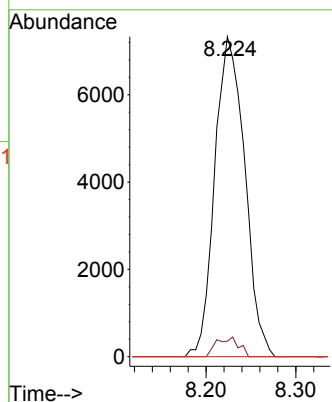
Tgt Ion:117 Resp: 16998

Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 26.058 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080209.D

Acq: 20 Nov 2023 15:48

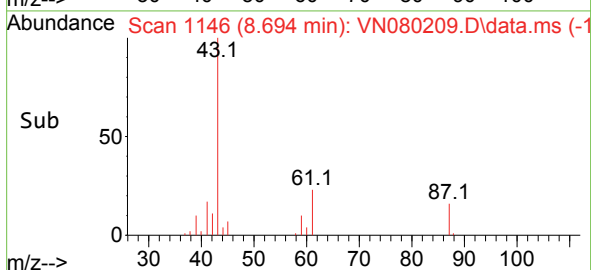
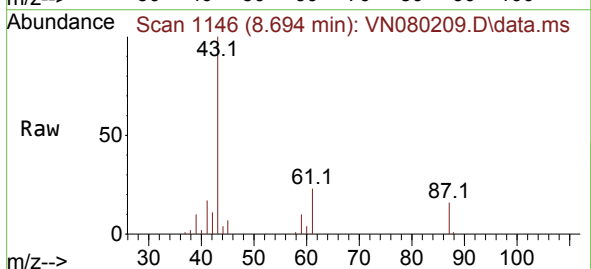
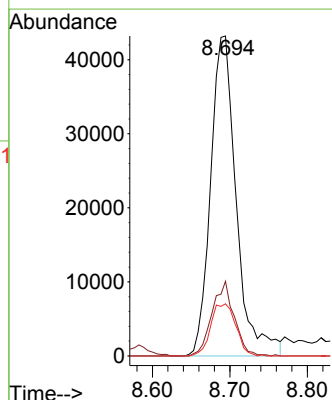
Tgt Ion: 43 Resp: 99526

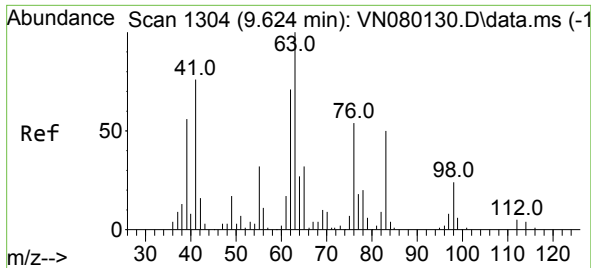
Ion Ratio Lower Upper

43 100

61 20.2 24.7 37.1#

87 15.9 14.6 21.8

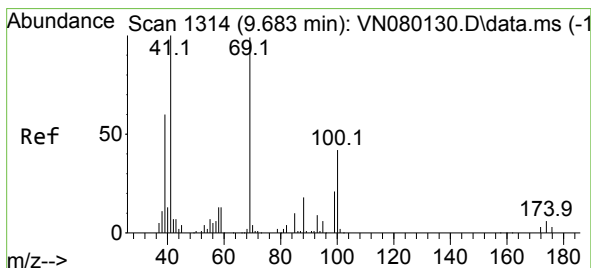
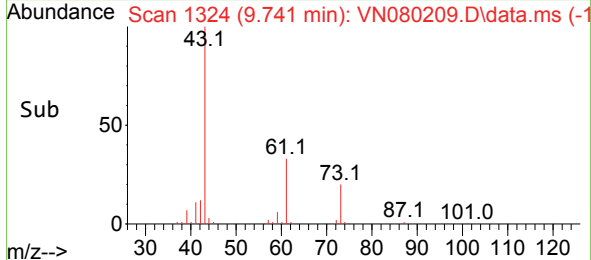
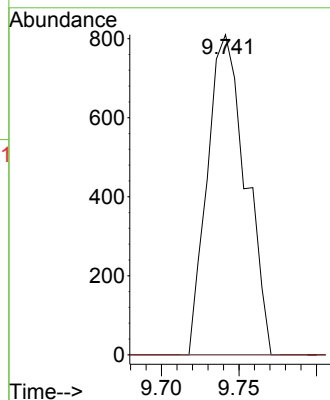
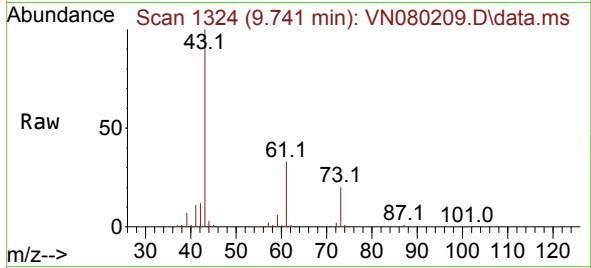




#45
1,2-Dichloropropane
Concen: 0.746 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

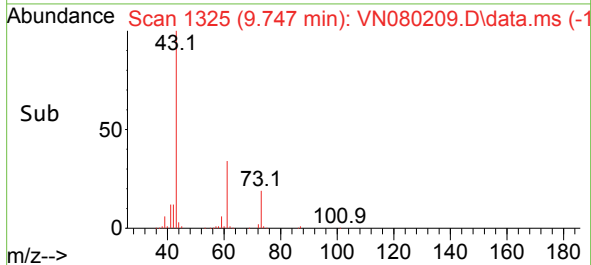
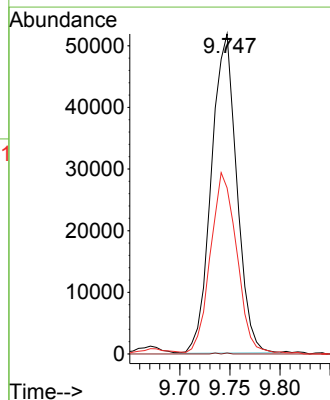
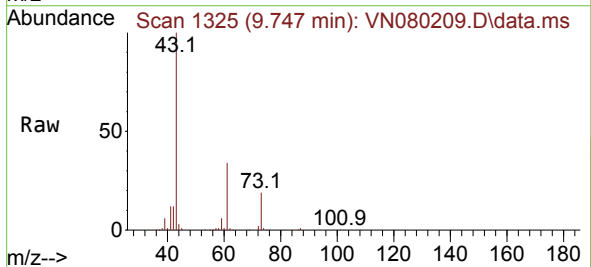
Instrument :
MSVOA_N
ClientSampleId :

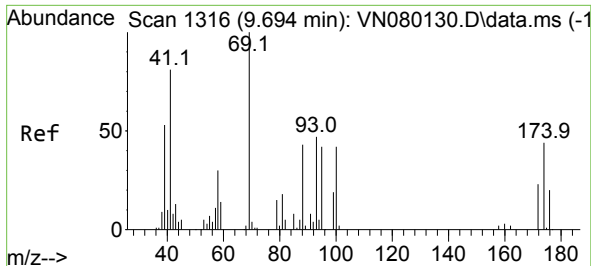
Tgt Ion: 63 Resp: 1394
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 46.362 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

Tgt Ion: 41 Resp: 91255
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 59.3 54.6 81.8





#49

1,4-Dioxane

Concen: 3.665 ug/l

RT: 9.753 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN080209.D

Acq: 20 Nov 2023 15:48

Instrument :

MSVOA_N

ClientSampleId :

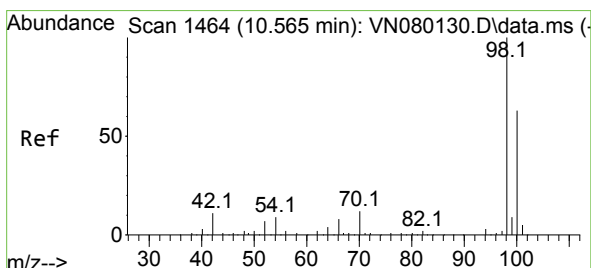
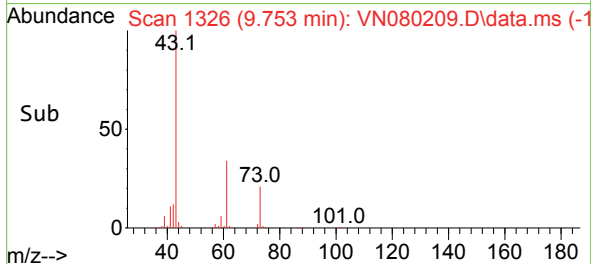
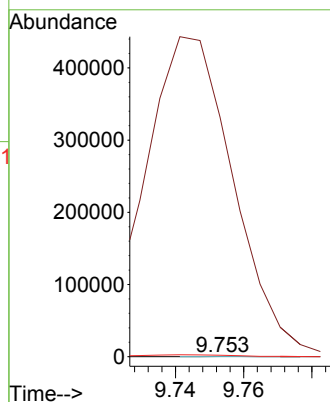
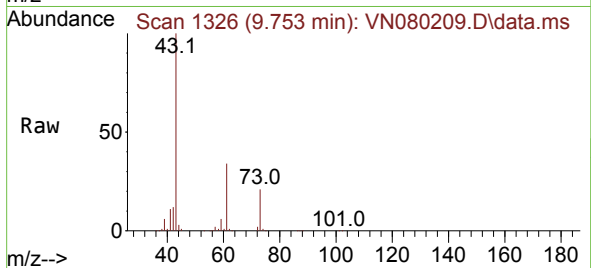
Tgt Ion: 88 Resp: 120

Ion Ratio Lower Upper

88 100

43 682825.0 17.0 25.6#

58 4224.2 47.0 70.4#



#50

Toluene-d8

Concen: 52.814 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080209.D

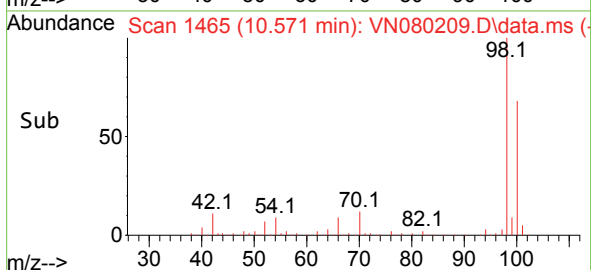
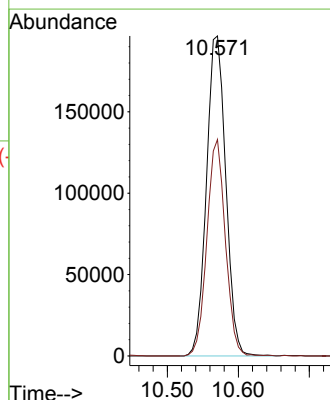
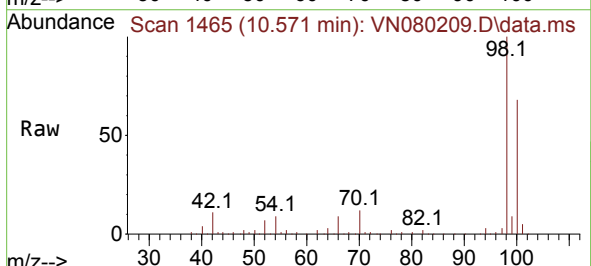
Acq: 20 Nov 2023 15:48

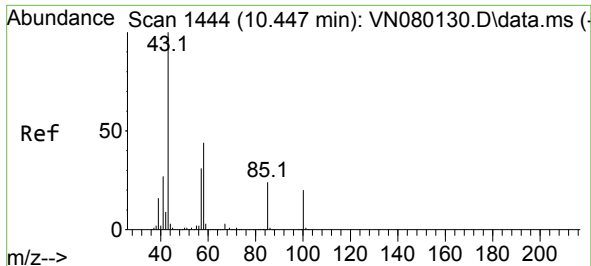
Tgt Ion: 98 Resp: 372092

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

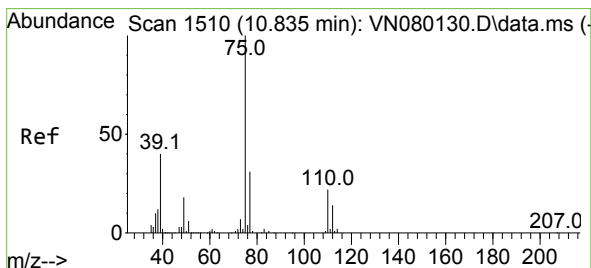
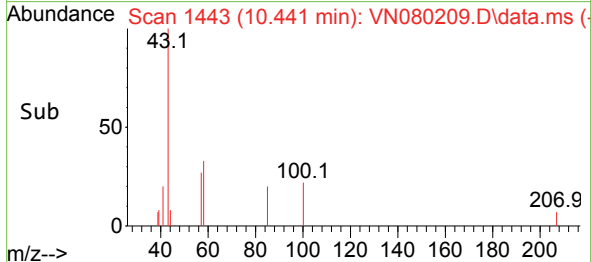
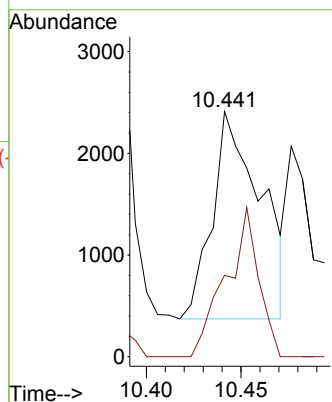
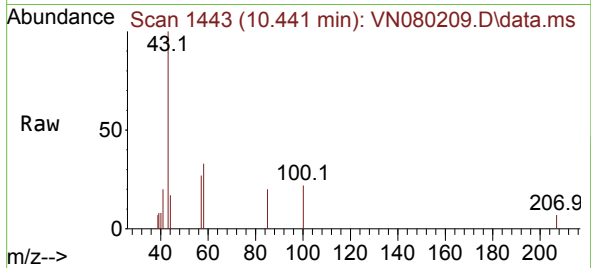




#51
4-Methyl-2-Pentanone
Concen: 1.822 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

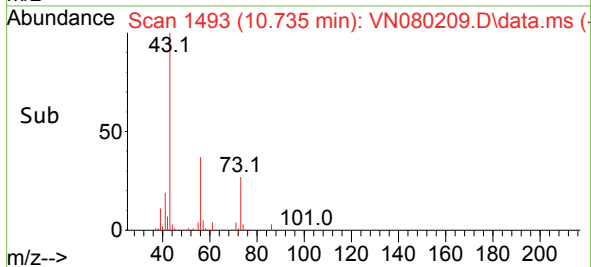
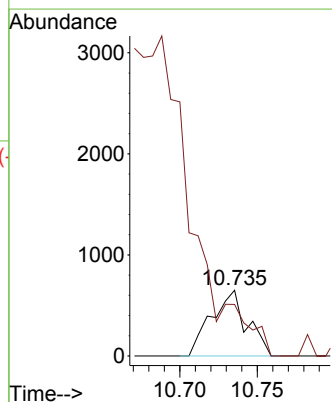
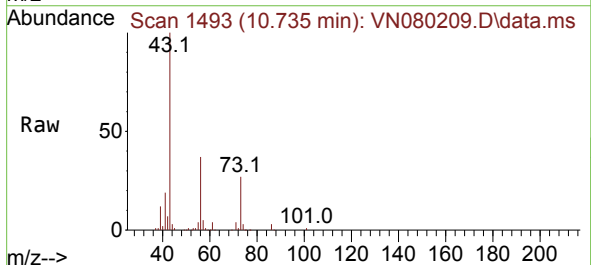
Instrument :
MSVOA_N
ClientSampleId :

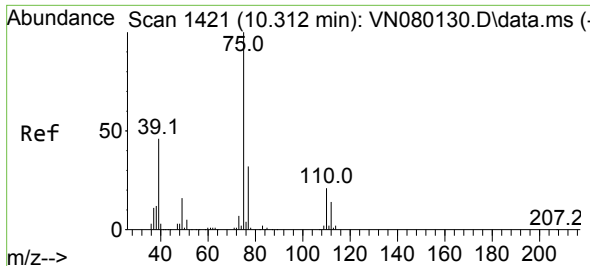
Tgt Ion: 43 Resp: 3602
Ion Ratio Lower Upper
43 100
58 48.9 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.323 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

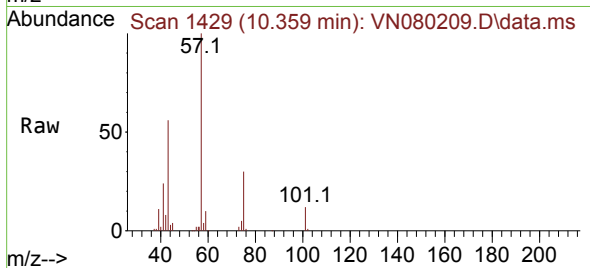
Tgt Ion: 75 Resp: 1034
Ion Ratio Lower Upper
75 100
77 78.3 25.4 38.0#



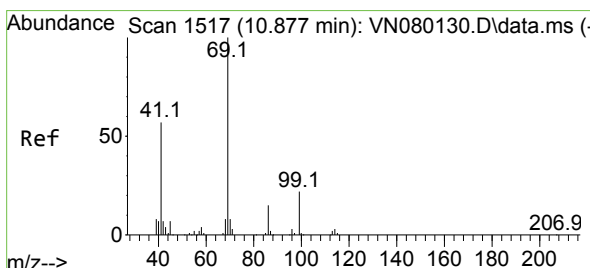
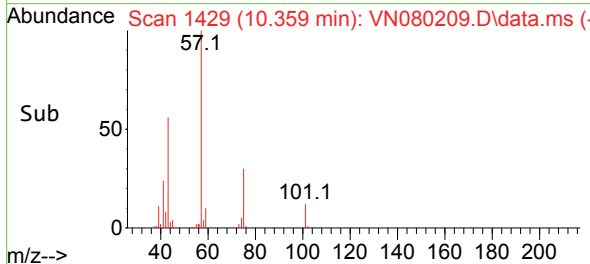
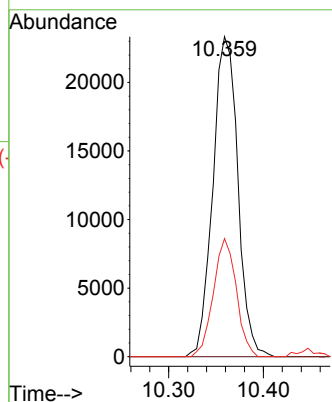


#54
 cis-1,3-Dichloropropene
 Concen: 13.074 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080209.D
 Acq: 20 Nov 2023 15:48

Instrument :
 MSVOA_N
 ClientSampleId :

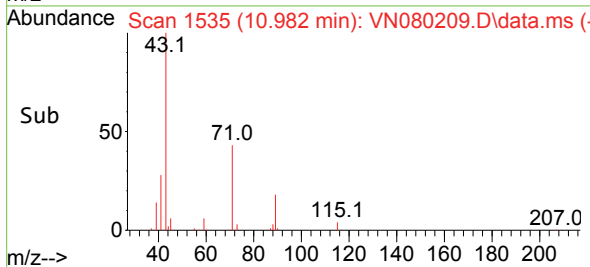
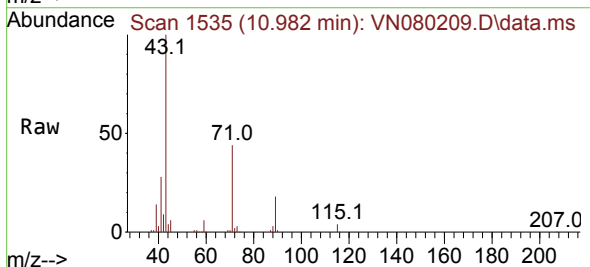
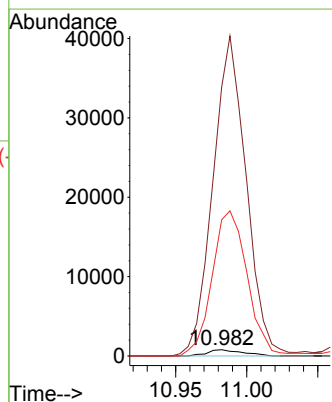


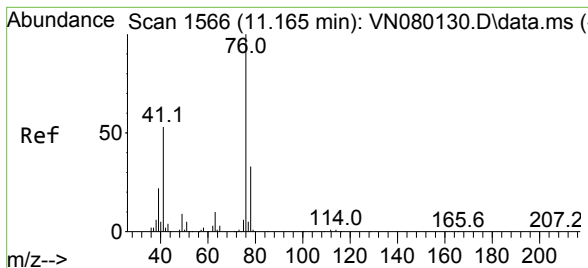
Tgt Ion: 75 Resp: 42707
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 36.9 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.691 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080209.D
 Acq: 20 Nov 2023 15:48

Tgt Ion: 69 Resp: 1357
 Ion Ratio Lower Upper
 69 100
 41 4847.1 39.6 59.4#
 39 2338.8 28.6 43.0#

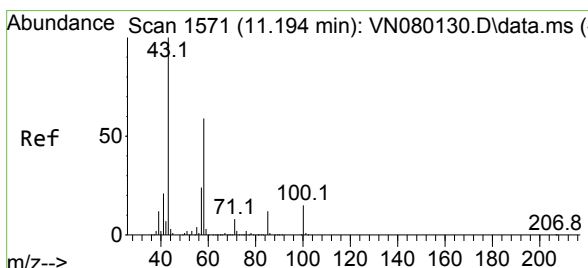
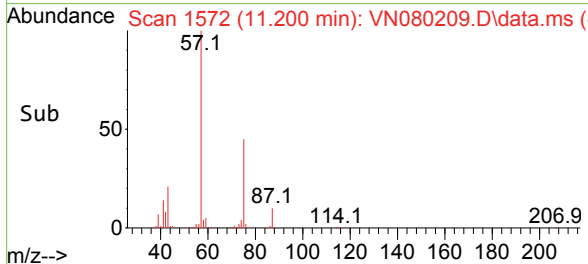
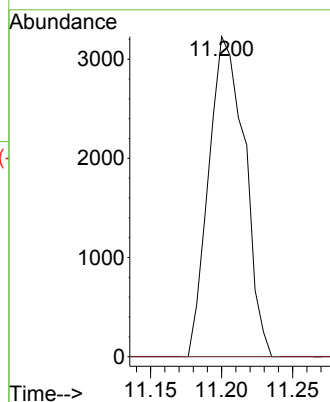
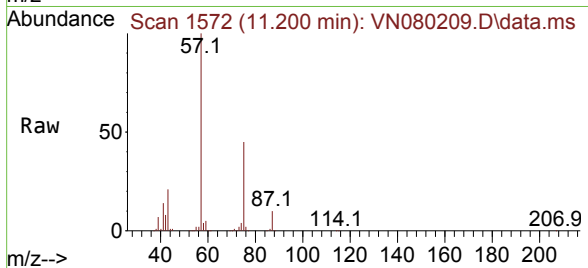




#57
1,3-Dichloropropane
Concen: 1.695 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

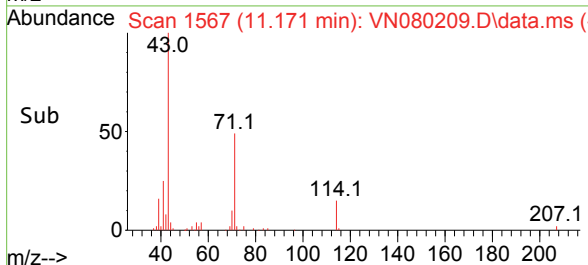
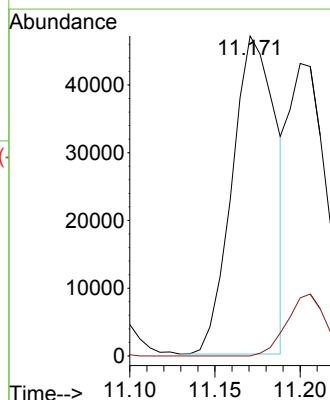
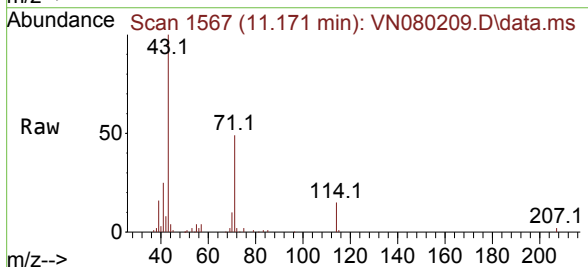
Instrument :
MSVOA_N
ClientSampleId :

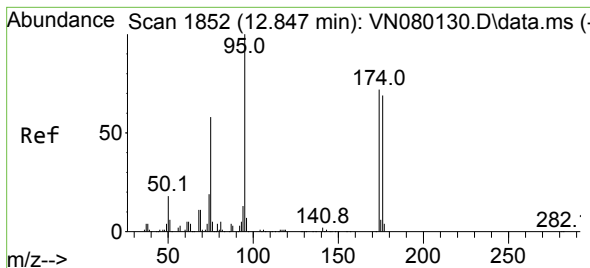
Tgt Ion: 76 Resp: 5686
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 52.907 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

Tgt Ion: 43 Resp: 84068
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

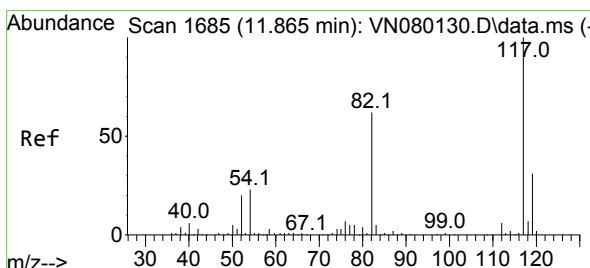
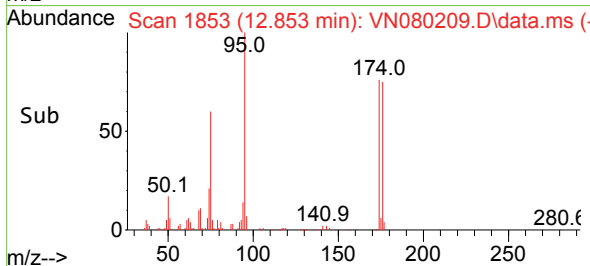
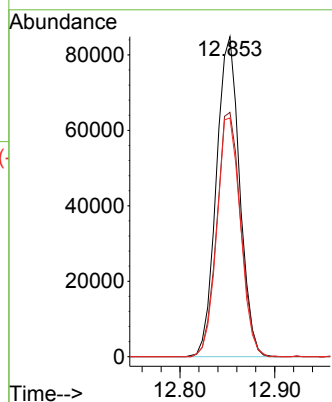
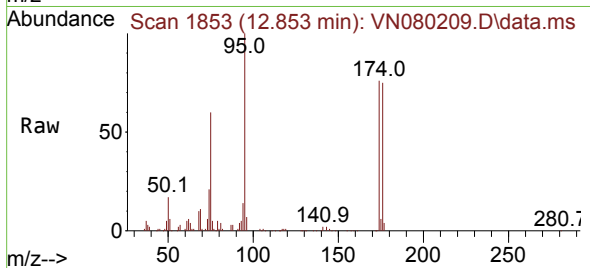




#62
4-Bromofluorobenzene
Concen: 54.537 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

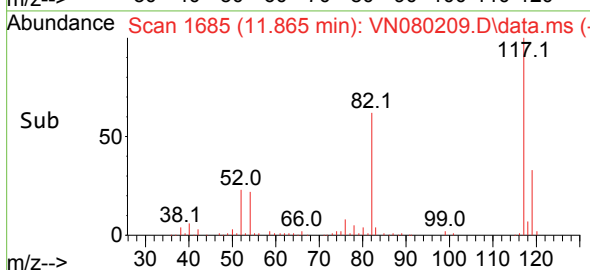
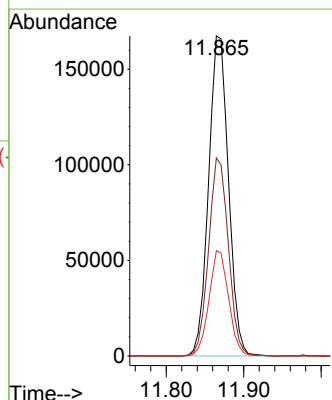
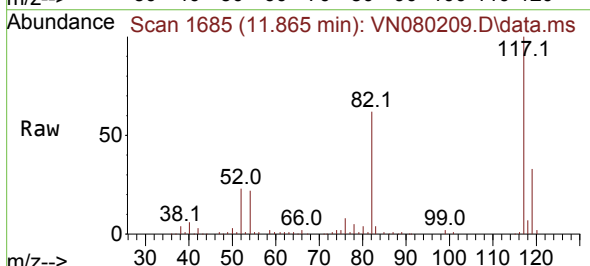
Instrument :
MSVOA_N
ClientSampleId :

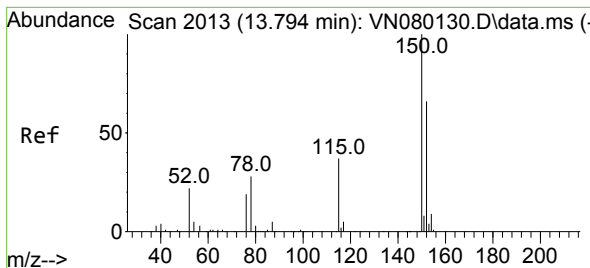
Tgt Ion: 95 Resp: 145132
Ion Ratio Lower Upper
95 100
174 78.2 0.0 143.8
176 75.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

Tgt Ion: 117 Resp: 298295
Ion Ratio Lower Upper
117 100
82 61.9 44.0 66.0
119 32.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN080209.D

Acq: 20 Nov 2023 15:48

Instrument :

MSVOA_N

ClientSampleId :

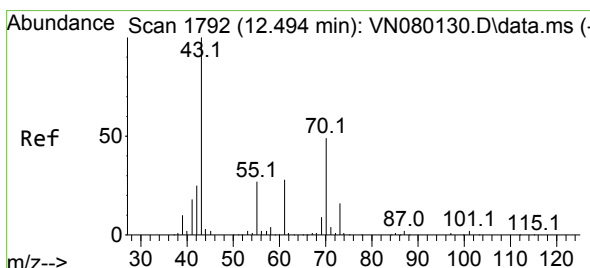
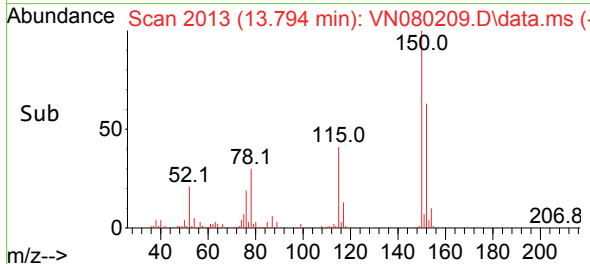
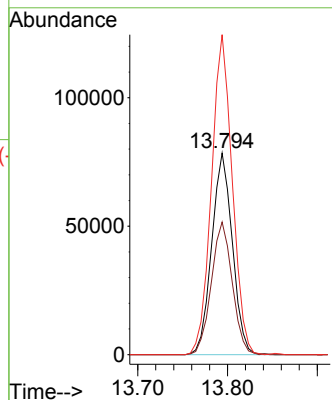
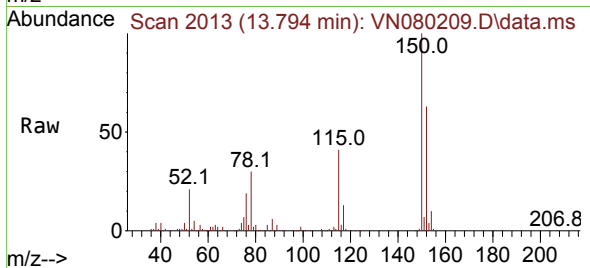
Tgt Ion:152 Resp: 125354

Ion Ratio Lower Upper

152 100

115 66.6 32.3 96.8

150 159.6 0.0 355.8



#74

N-ethyl acetate

Concen: 0.327 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN080209.D

Acq: 20 Nov 2023 15:48

Tgt Ion: 43 Resp: 993

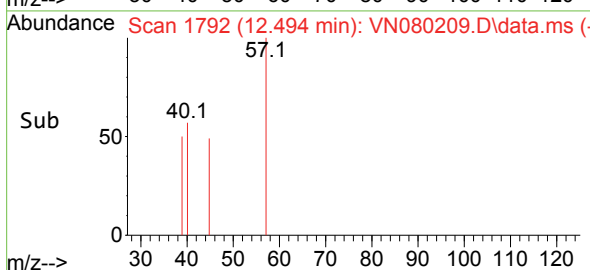
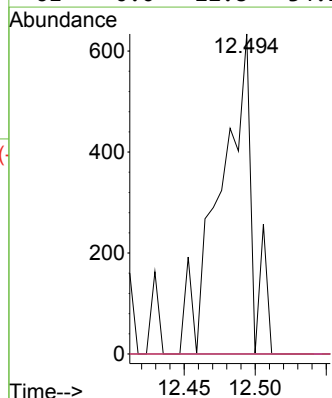
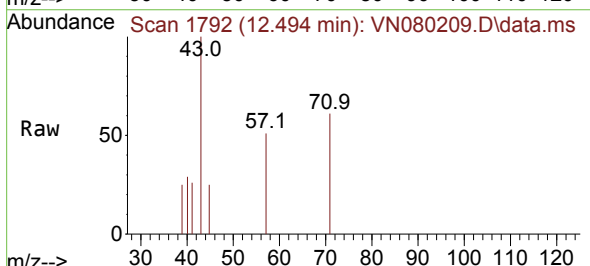
Ion Ratio Lower Upper

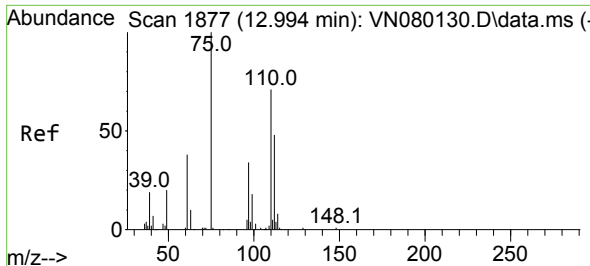
43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#

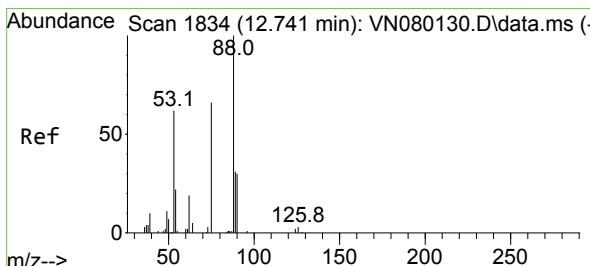
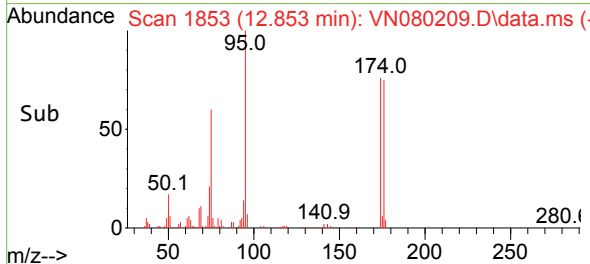
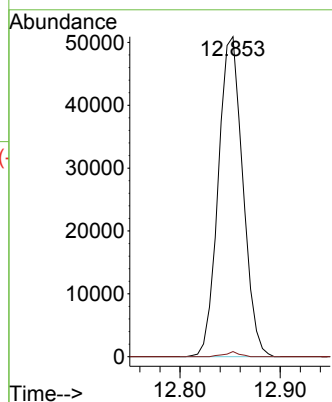
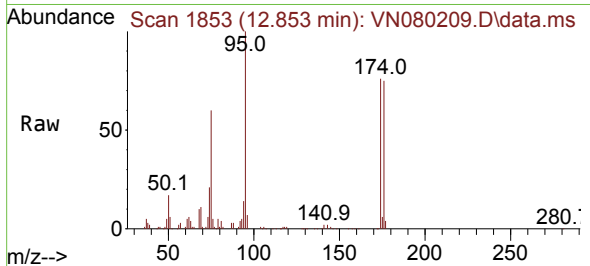




#76
1,2,3-Trichloropropane
Concen: 28.164 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 86503
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.155 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080209.D
Acq: 20 Nov 2023 15:48

Tgt Ion: 75 Resp: 86503
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

