

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
 Data File : VN070597.D
 Acq On : 12 Jan 2022 19:49
 Operator : JC/MD
 Sample : PB141975ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 13 04:28:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

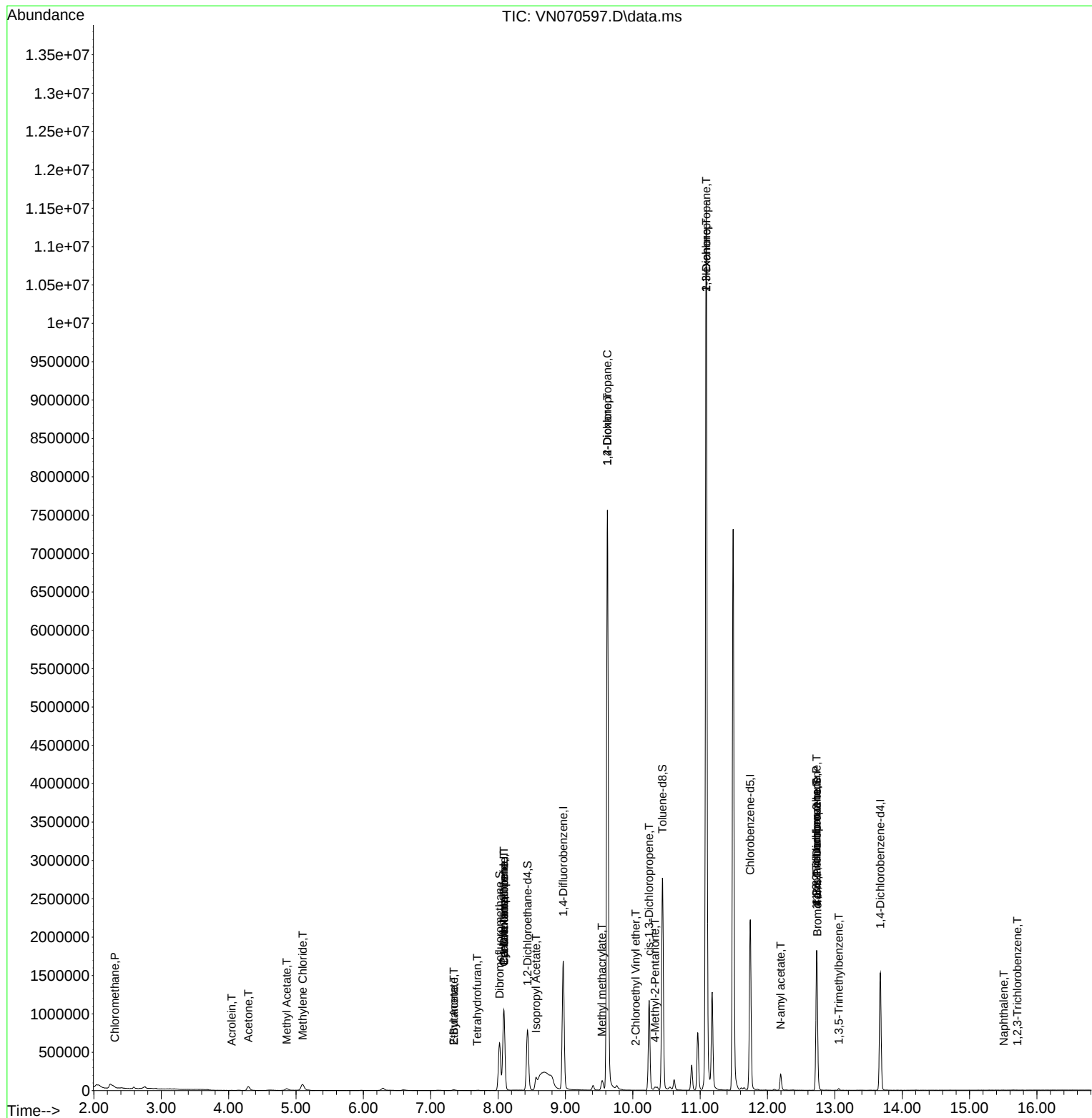
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	813569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1446193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1278210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	429597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	650945	55.648	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.300%
35) Dibromofluoromethane	8.024	113	464519	53.087	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.180%
50) Toluene-d8	10.440	98	1895872	53.038	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.080%
62) 4-Bromofluorobenzene	12.731	95	672376	52.080	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.160%
Target Compounds						Qvalue
3) Chloromethane	2.309	50	3666	0.292	ug/l #	84
13) Acrolein	4.044	56	872	0.552	ug/l #	73
16) Acetone	4.293	43	94328	12.422	ug/l	97
18) Methyl Acetate	4.864	43	52059	2.370	ug/l #	88
20) Methylene Chloride	5.098	84	58248	5.544	ug/l	90
25) 2-Butanone	7.343	43	16982	1.776	ug/l	93
29) Tetrahydrofuran	7.691	42	1634	0.286	ug/l #	74
31) Cyclohexane	8.088	56	18622	1.009	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	65588	4.531	ug/l #	49
37) Ethyl Acetate	7.343	43	16982	0.905	ug/l #	68
38) Carbon Tetrachloride	8.086	117	81295	5.882	ug/l #	16
43) Isopropyl Acetate	8.563	43	196944	6.658	ug/l #	80
45) 1,2-Dichloropropane	9.622	63	8789	0.736	ug/l #	44
48) Methyl methacrylate	9.542	41	37384	2.649	ug/l #	8
49) 1,4-Dioxane	9.622	88	1062	5.142	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	18464	0.993	ug/l	92
54) cis-1,3-Dichloropropene	10.242	75	199566	11.551	ug/l #	61
57) 1,3-Dichloropropane	11.089	76	115585	6.149	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.043	63	49	18.523	ug/l #	45
59) 2-Hexanone	11.089	43	1961588	144.710	ug/l #	49
71) Bromoform	12.739	173	1456	0.203	ug/l #	1
74) N-amyl acetate	12.194	43	74150	4.420	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.728	83	280	0.466	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	347881	28.591	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	9780	0.306	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.731	75	347881	98.937	ug/l #	5
95) Naphthalene	15.507	128	1135	1.853	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.710	180	79	0.838	ug/l #	1

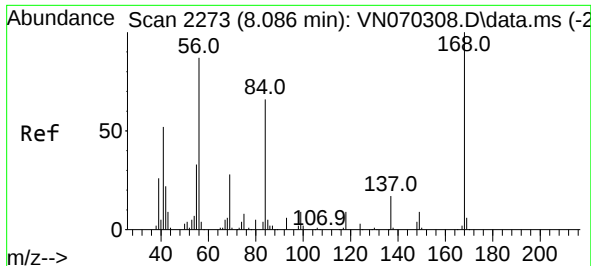
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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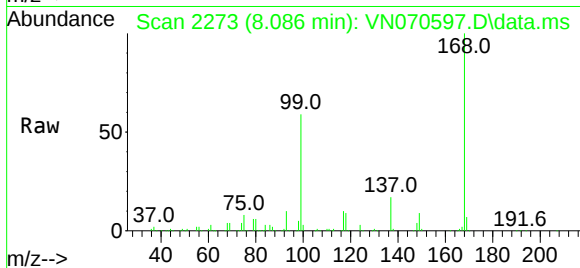
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
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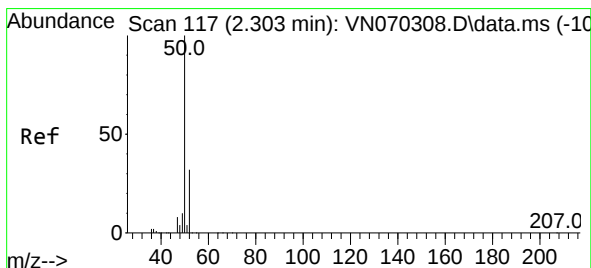
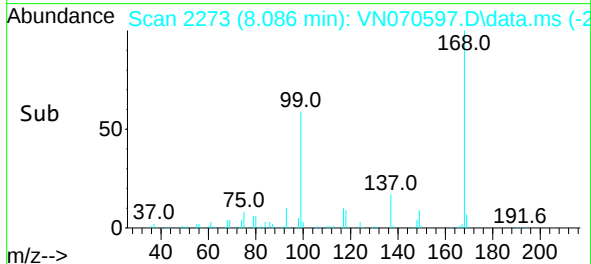
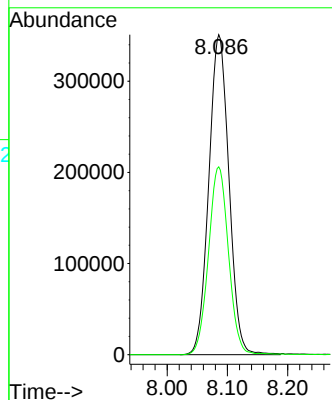


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Instrument :
MSVOA_N
ClientSampleId :

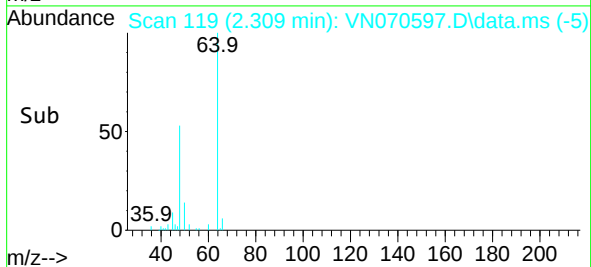
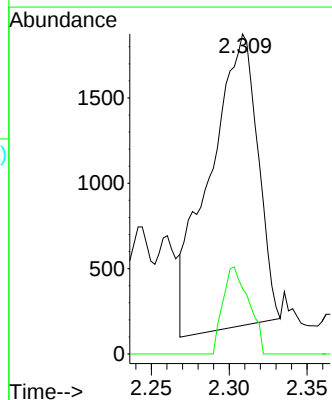
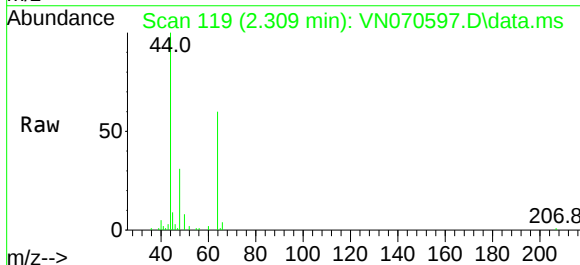


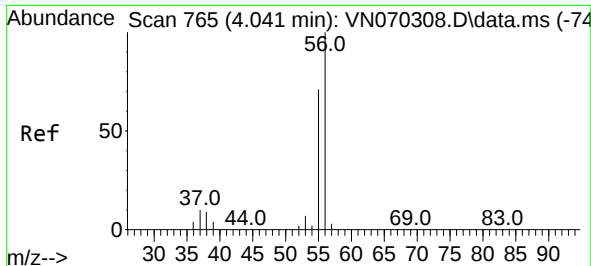
Tgt Ion:168 Resp: 813569
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9



#3
Chloromethane
Concen: 0.292 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Tgt Ion: 50 Resp: 3666
Ion Ratio Lower Upper
50 100
52 23.0 25.4 38.0#

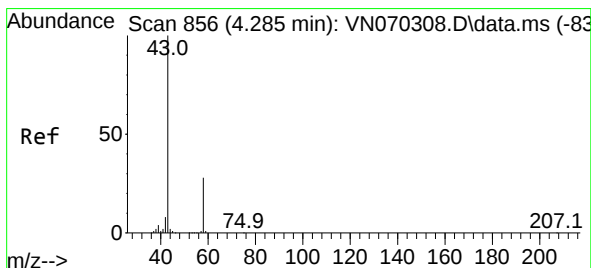
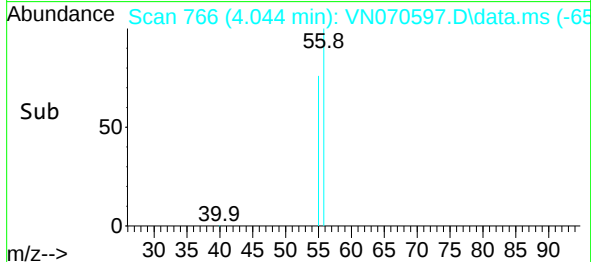
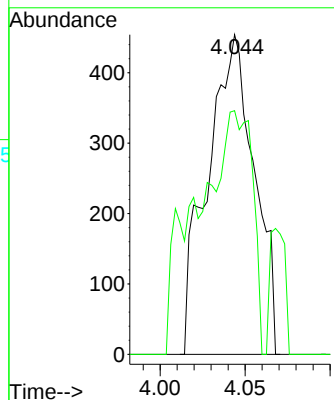
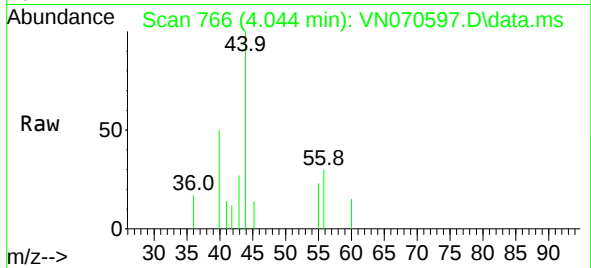




#13
Acrolein
Concen: 0.552 ug/l
RT: 4.044 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

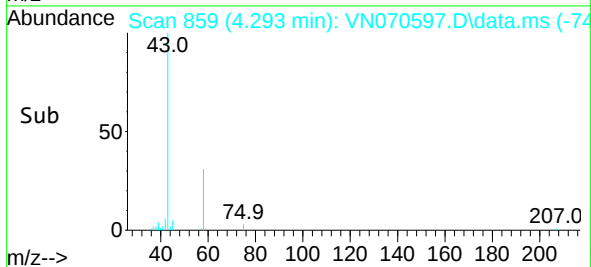
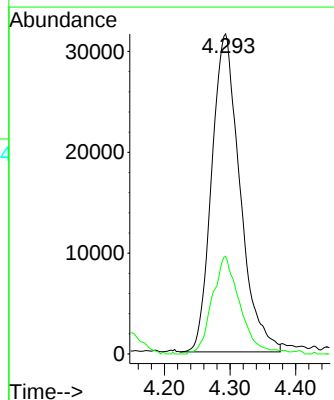
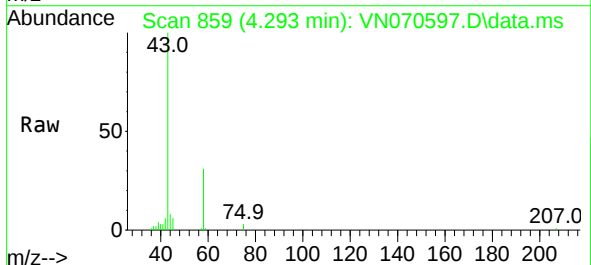
Instrument :
MSVOA_N
ClientSampleId :

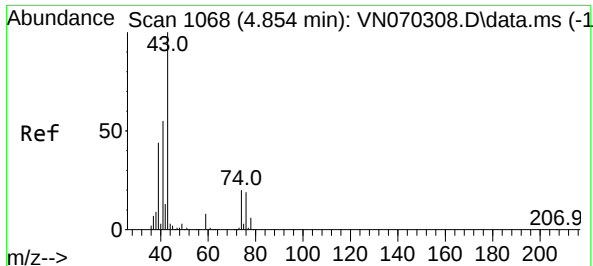
Tgt Ion: 56 Resp: 872
Ion Ratio Lower Upper
56 100
55 48.7 56.6 85.0#



#16
Acetone
Concen: 12.422 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Tgt Ion: 43 Resp: 94328
Ion Ratio Lower Upper
43 100
58 30.7 23.1 34.7





#18

Methyl Acetate

Concen: 2.370 ug/l

RT: 4.864 min Scan# 110

Delta R.T. 0.010 min

Lab File: VN070597.D

Acq: 12 Jan 2022 19:49

Instrument :

MSVOA_N

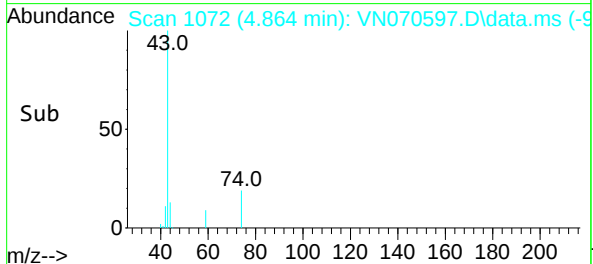
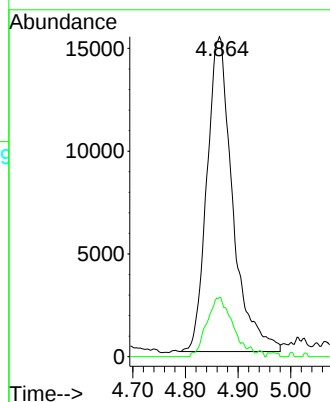
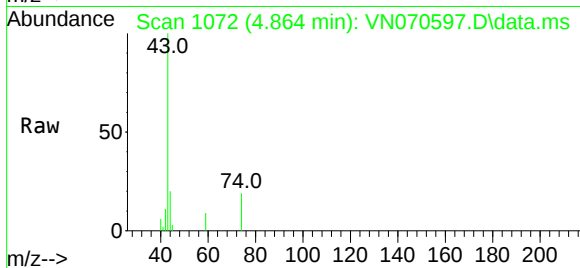
ClientSampleId :

Tgt Ion: 43 Resp: 52059

Ion Ratio Lower Upper

43 100

74 18.6 19.4 29.2#



#20

Methylene Chloride

Concen: 5.544 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.003 min

Lab File: VN070597.D

Acq: 12 Jan 2022 19:49

Tgt Ion: 84 Resp: 58248

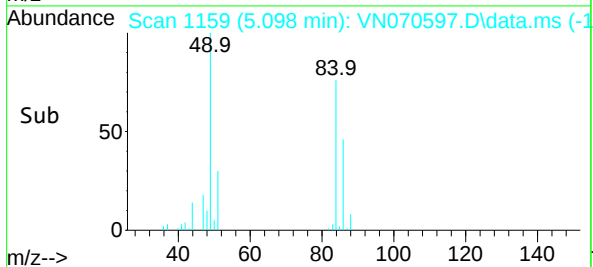
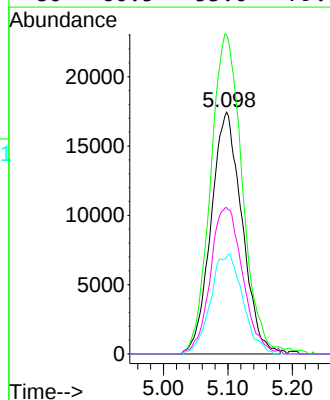
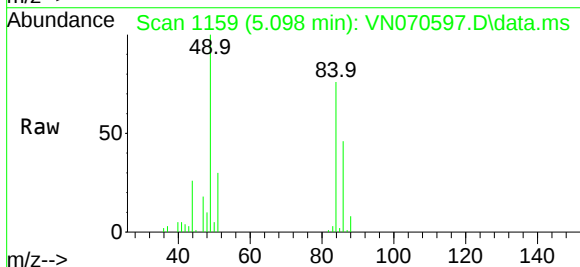
Ion Ratio Lower Upper

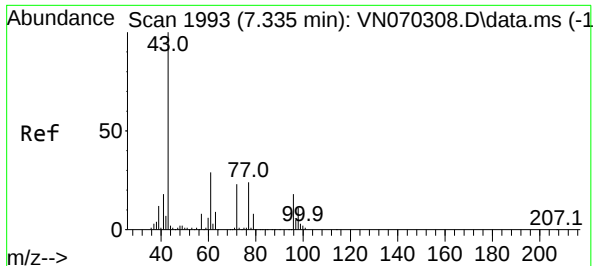
84 100

49 132.0 93.5 140.3

51 40.1 29.4 44.2

86 60.5 53.0 79.4





#25

2-Butanone

Concen: 1.776 ug/l

RT: 7.343 min Scan# 1993

Delta R.T. 0.008 min

Lab File: VN070597.D

Acq: 12 Jan 2022 19:49

Instrument :

MSVOA_N

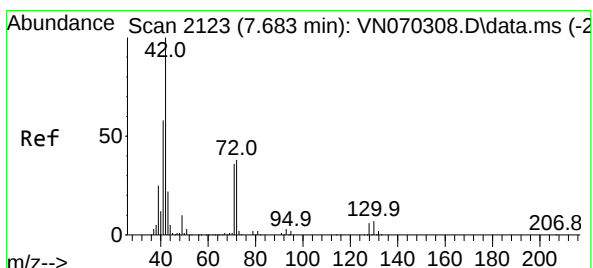
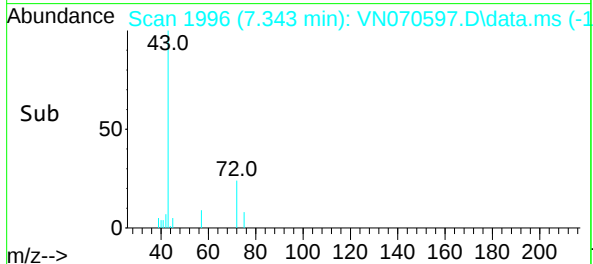
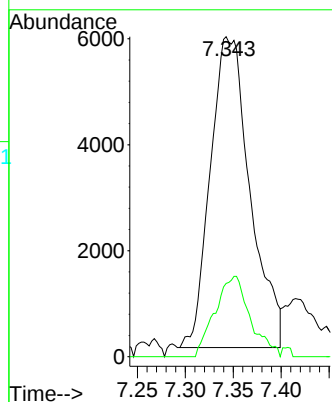
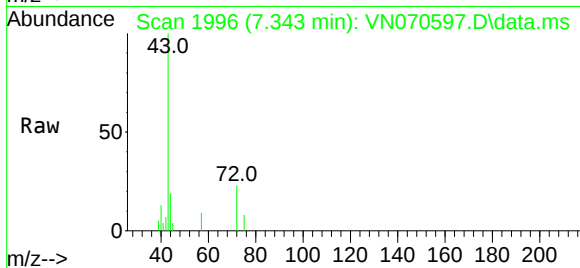
ClientSampleId :

Tgt Ion: 43 Resp: 16982

Ion Ratio Lower Upper

43 100

72 23.6 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.008 min

Lab File: VN070597.D

Acq: 12 Jan 2022 19:49

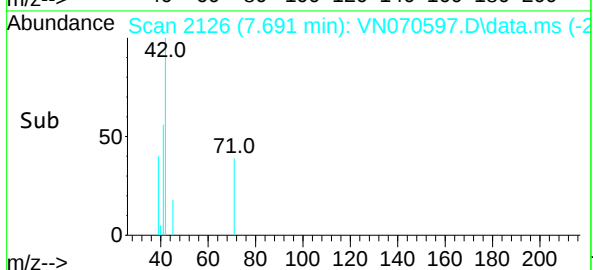
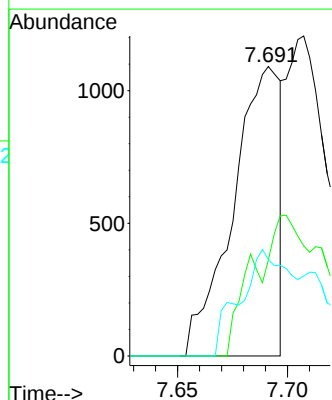
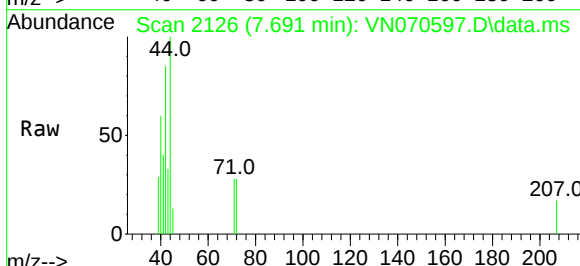
Tgt Ion: 42 Resp: 1634

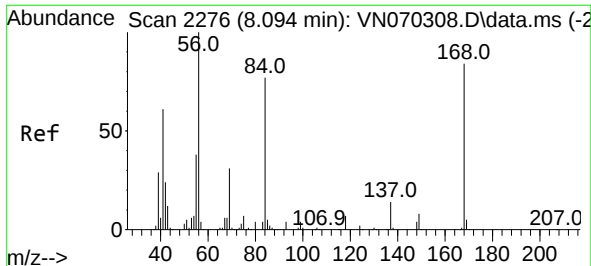
Ion Ratio Lower Upper

42 100

72 16.3 36.3 54.5#

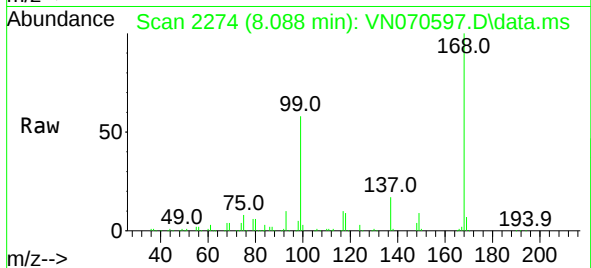
71 39.1 34.7 52.1



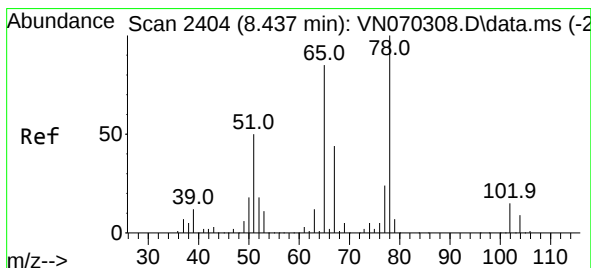
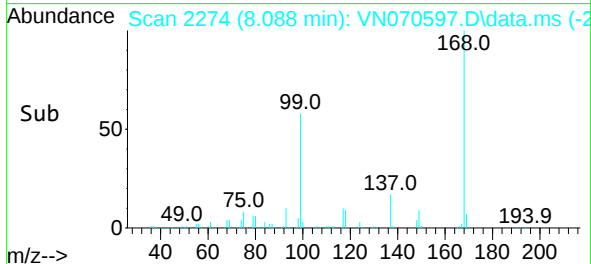
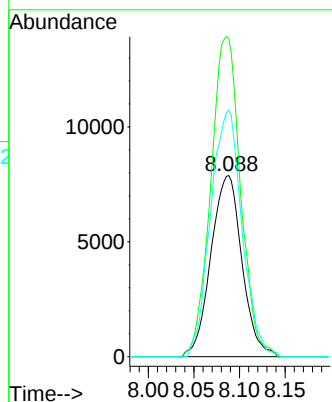


#31
Cyclohexane
Concen: 1.009 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Instrument :
MSVOA_N
ClientSampleId :

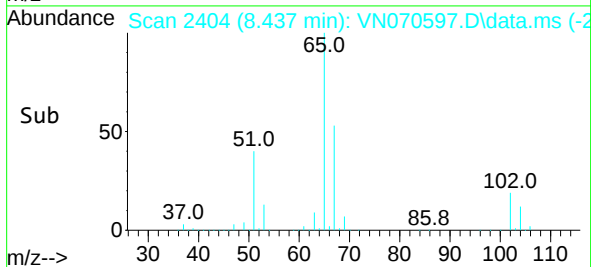
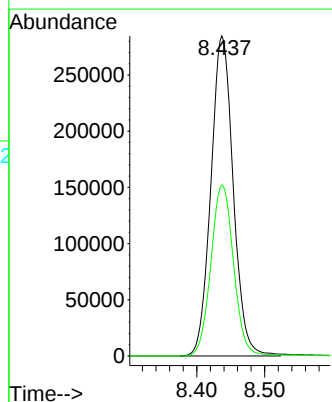
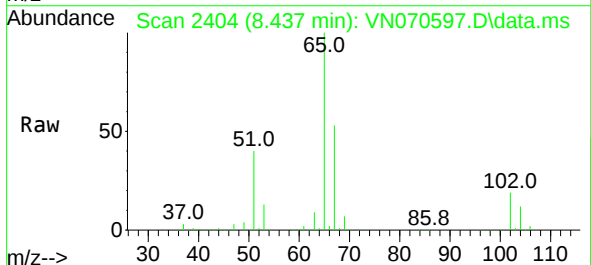


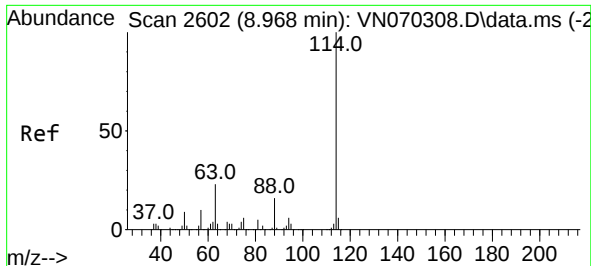
Tgt Ion: 56 Resp: 18622
Ion Ratio Lower Upper
56 100
69 175.8 27.1 40.7#
84 136.2 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 55.648 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

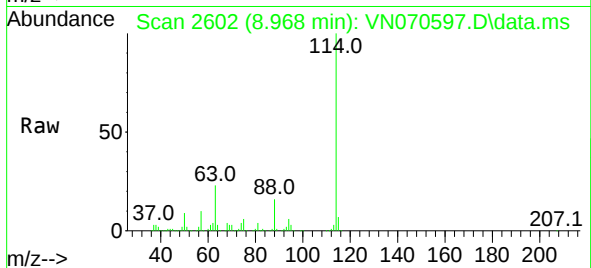
Tgt Ion: 65 Resp: 650945
Ion Ratio Lower Upper
65 100
67 54.3 0.0 103.0



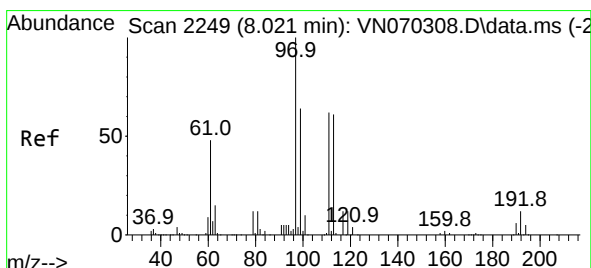
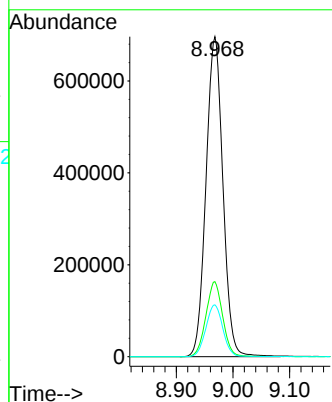
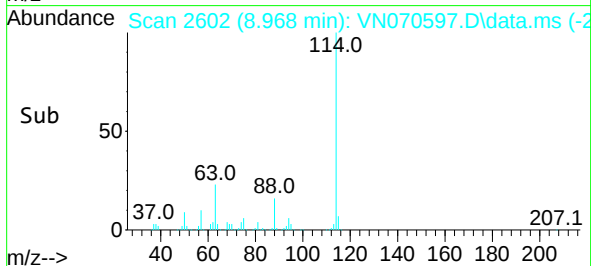


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Instrument :
MSVOA_N
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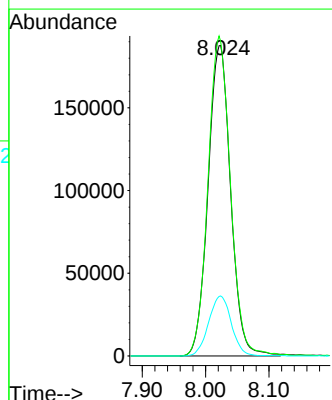
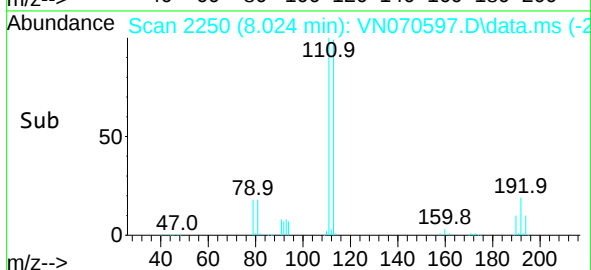
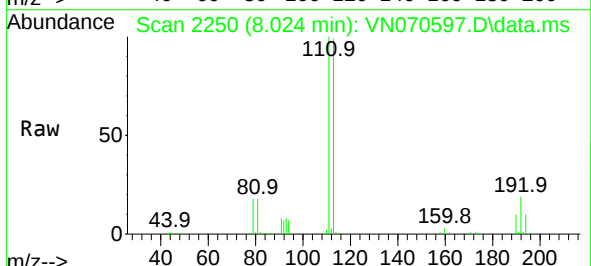


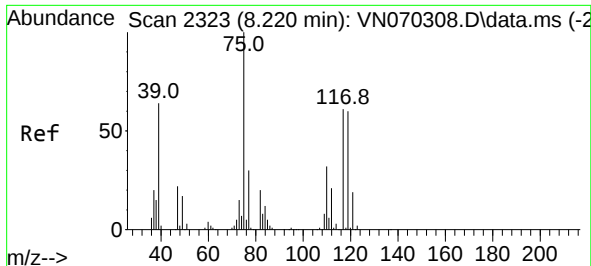
Tgt Ion:114 Resp: 1446193
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 53.087 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

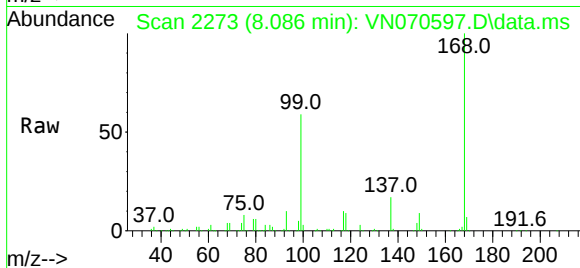
Tgt Ion:113 Resp: 464519
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 19.4 16.9 25.3



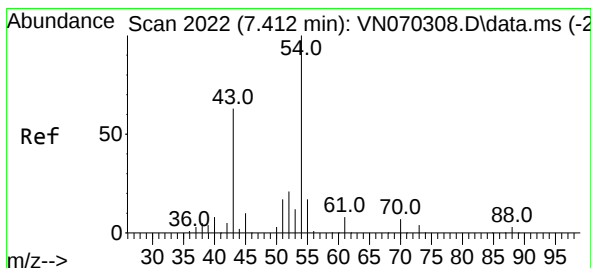
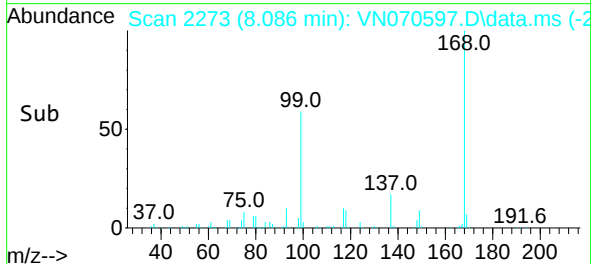
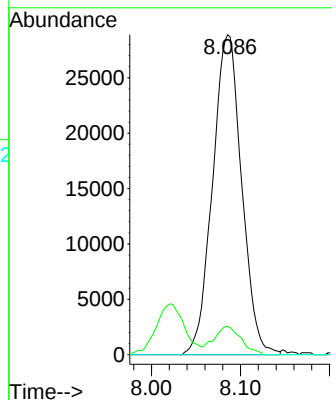


#36
1,1-Dichloropropene
Concen: 4.531 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Instrument :
MSVOA_N
ClientSampleId :

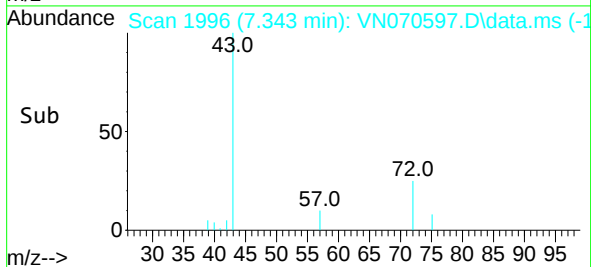
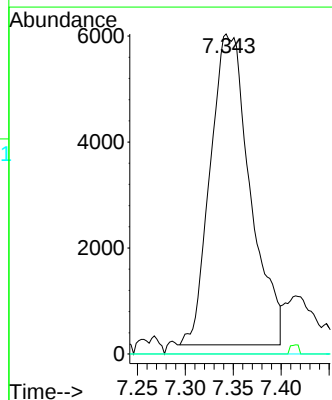
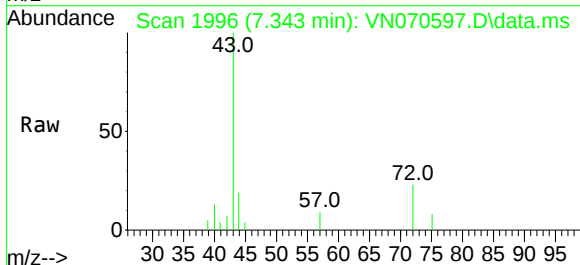


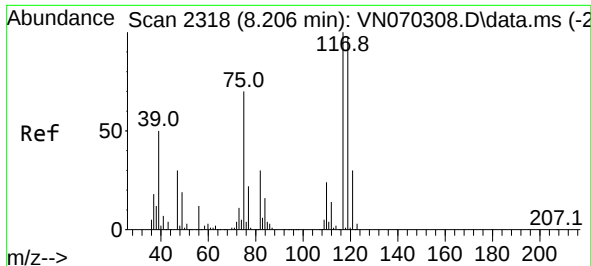
Tgt Ion: 75 Resp: 65588
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.905 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.069 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

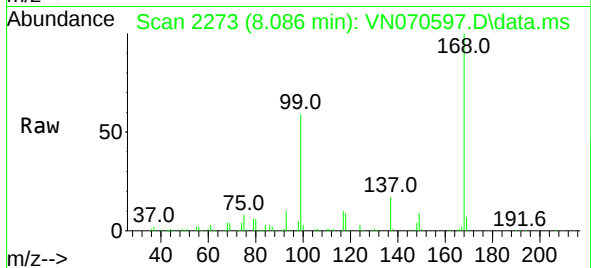
Tgt Ion: 43 Resp: 16982
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



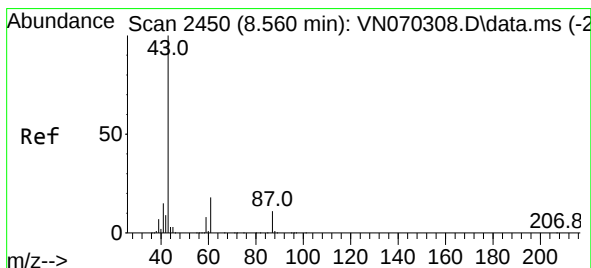
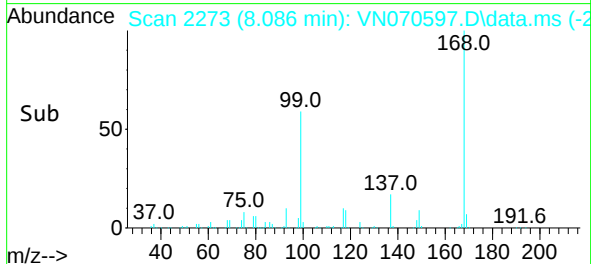
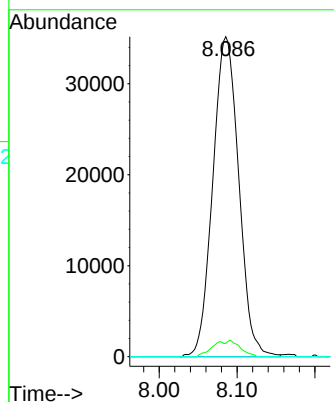


#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Instrument :
MSVOA_N
ClientSampleId :

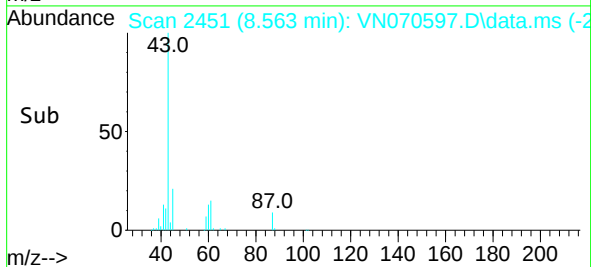
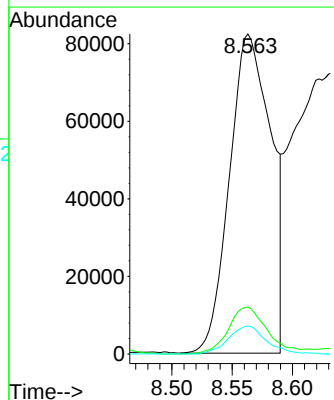
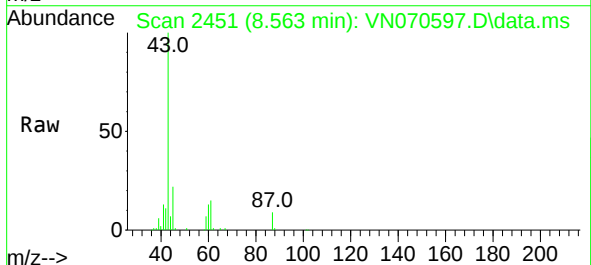


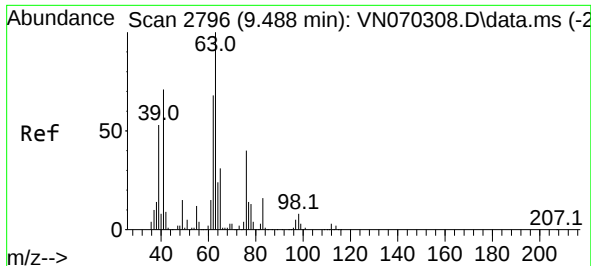
Tgt Ion: 117 Resp: 81295
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 6.658 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Tgt Ion: 43 Resp: 196944
Ion Ratio Lower Upper
43 100
61 13.8 20.4 30.6#
87 7.9 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.736 ug/l

RT: 9.622 min Scan# 2816

Delta R.T. 0.134 min

Lab File: VN070597.D

Acq: 12 Jan 2022 19:49

Instrument :

MSVOA_N

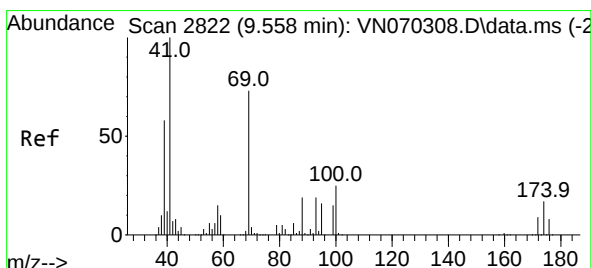
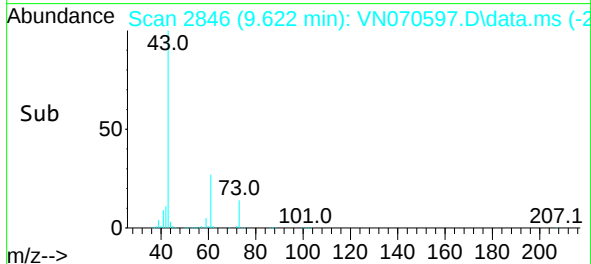
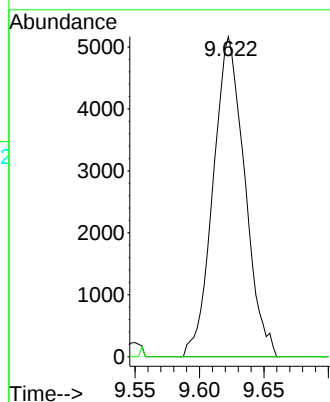
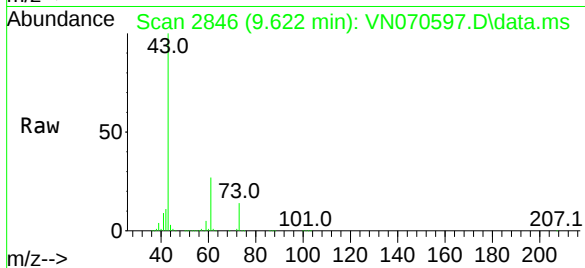
ClientSampleId :

Tgt Ion: 63 Resp: 8789

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 2.649 ug/l

RT: 9.542 min Scan# 2816

Delta R.T. -0.016 min

Lab File: VN070597.D

Acq: 12 Jan 2022 19:49

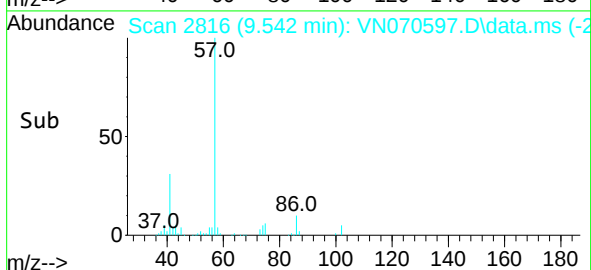
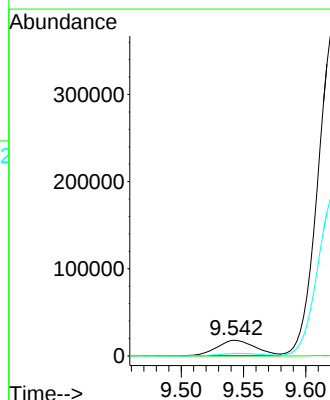
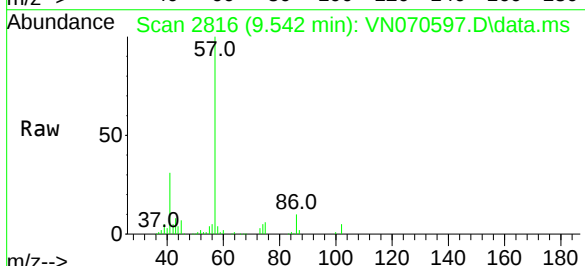
Tgt Ion: 41 Resp: 37384

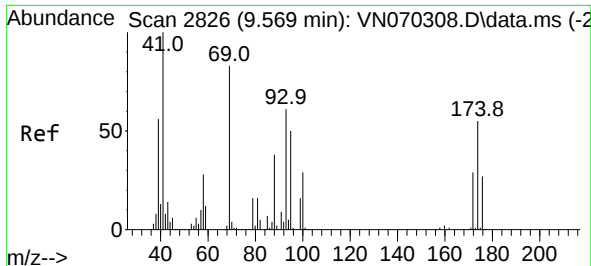
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

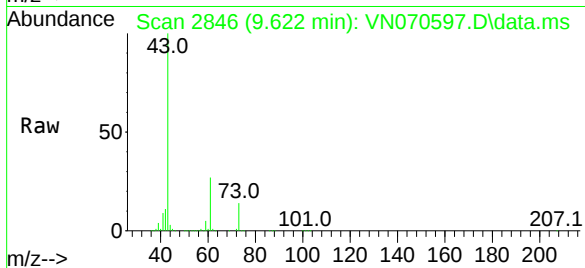
39 0.0 58.4 87.6#



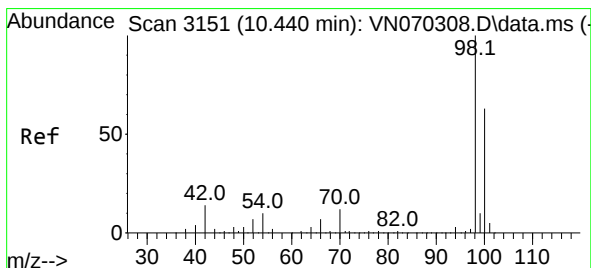
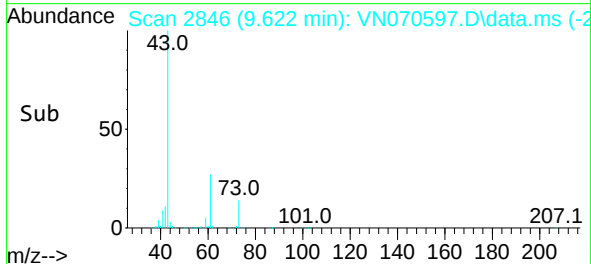
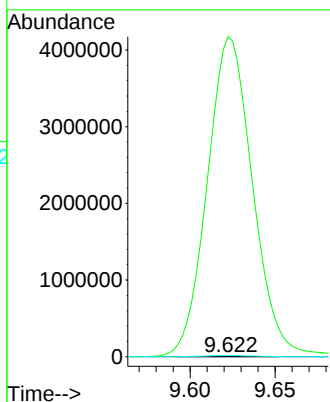


#49
1,4-Dioxane
Concen: 5.142 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Instrument :
MSVOA_N
ClientSampleId :

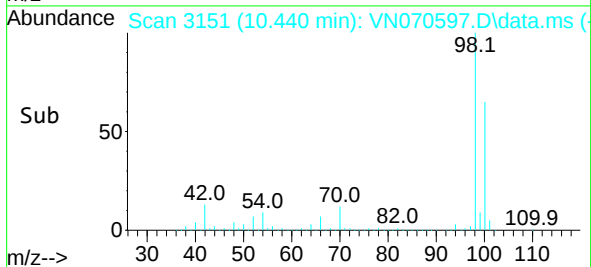
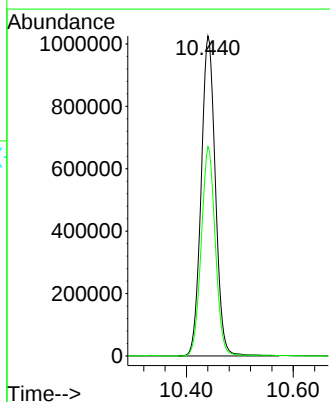
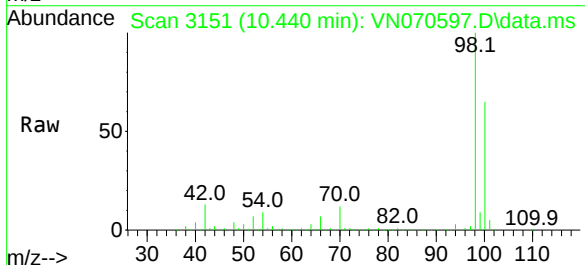


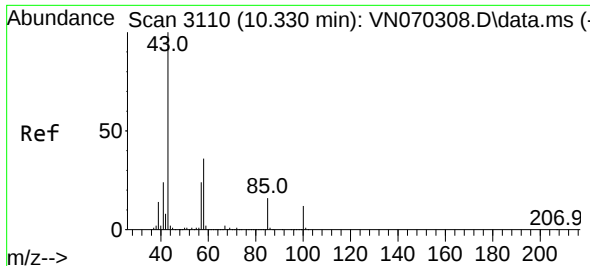
Tgt Ion: 88 Resp: 1062
Ion Ratio Lower Upper
88 100
43 737959.9 23.4 35.2#
58 2765.4 50.6 75.8#



#50
Toluene-d8
Concen: 53.038 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Tgt Ion: 98 Resp: 1895872
Ion Ratio Lower Upper
98 100
100 64.7 50.4 75.6

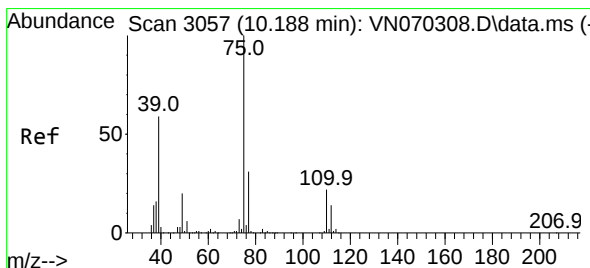
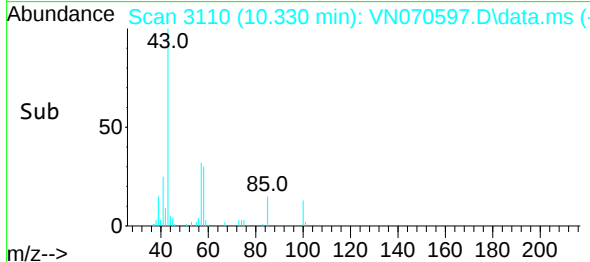
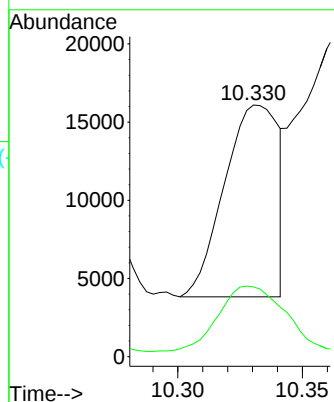
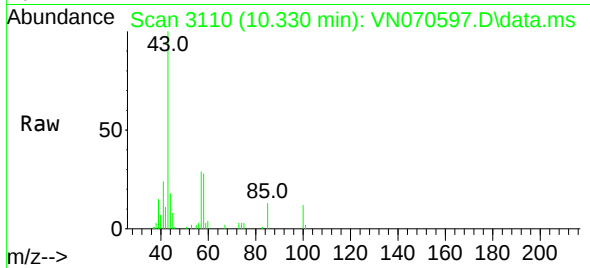




#51
4-Methyl-2-Pentanone
Concen: 0.993 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

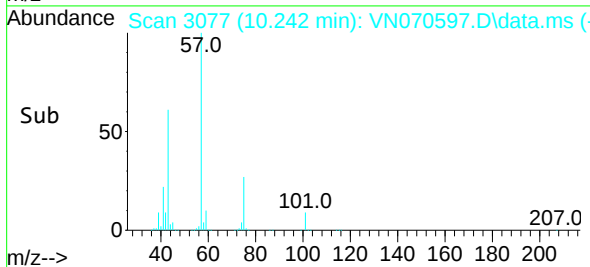
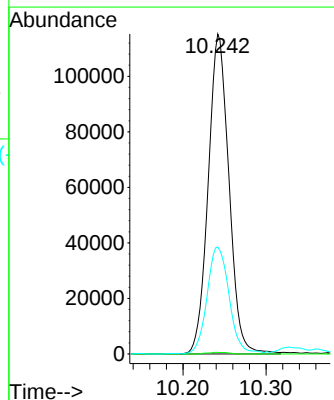
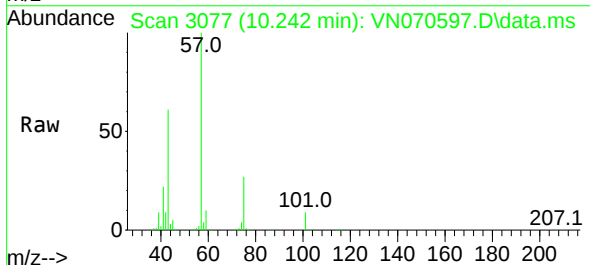
Instrument :
MSVOA_N
ClientSampleId :

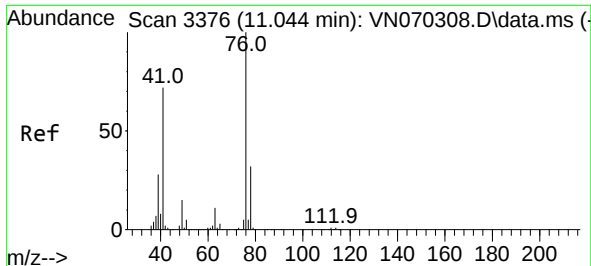
Tgt Ion: 43 Resp: 18464
Ion Ratio Lower Upper
43 100
58 42.5 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 11.551 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.054 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Tgt Ion: 75 Resp: 199566
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 33.3 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 6.149 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.045 min

Lab File: VN070597.D

Acq: 12 Jan 2022 19:49

Instrument :

MSVOA_N

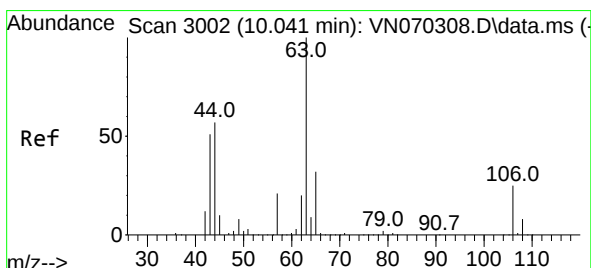
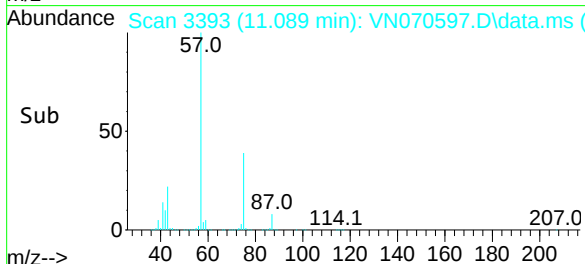
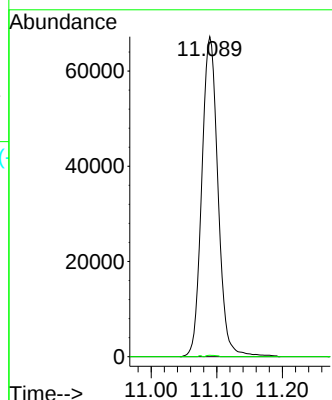
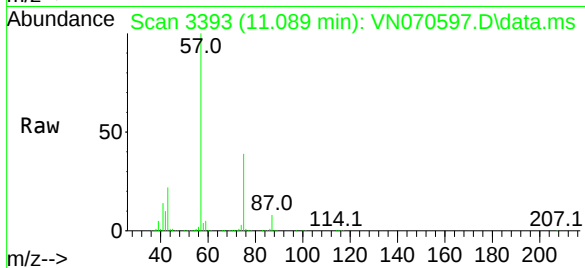
ClientSampleId :

Tgt Ion: 76 Resp: 115585

Ion Ratio Lower Upper

76 100

78 0.3 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 18.523 ug/l

RT: 10.043 min Scan# 3003

Delta R.T. 0.002 min

Lab File: VN070597.D

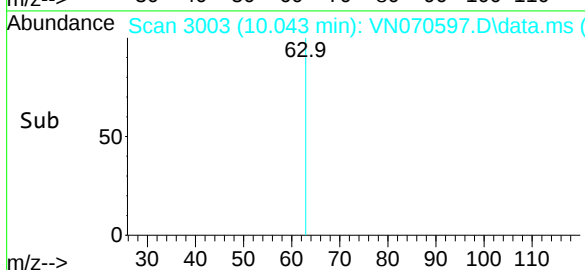
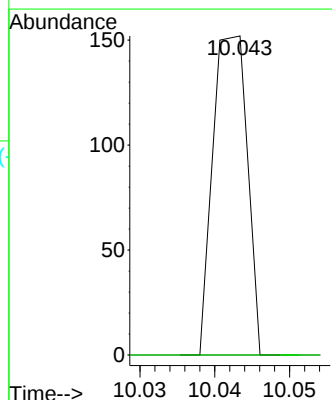
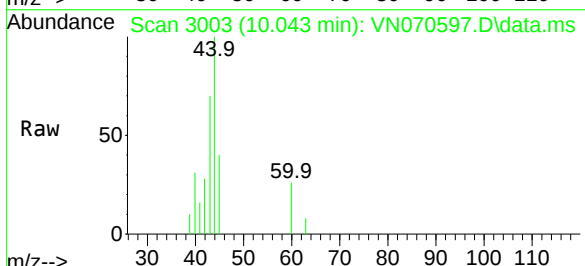
Acq: 12 Jan 2022 19:49

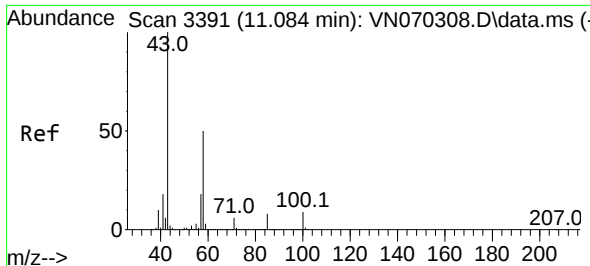
Tgt Ion: 63 Resp: 49

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

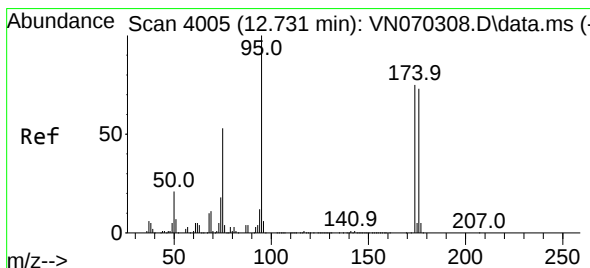
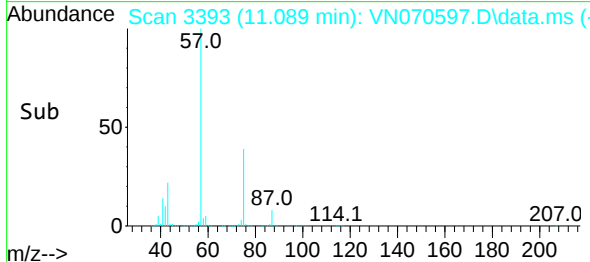
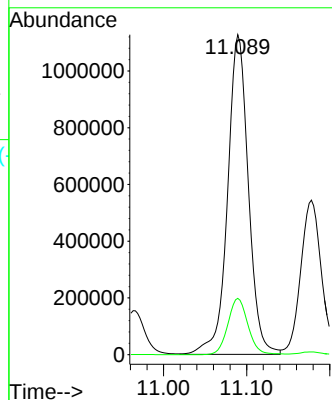
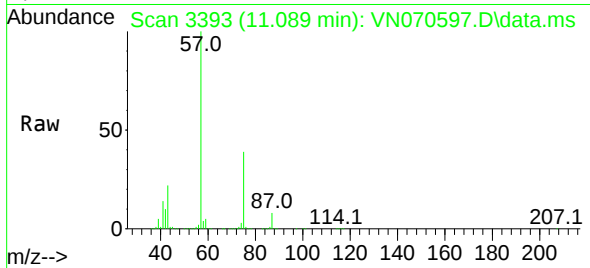




#59
2-Hexanone
Concen: 144.710 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

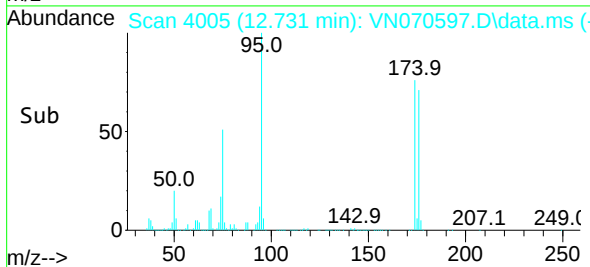
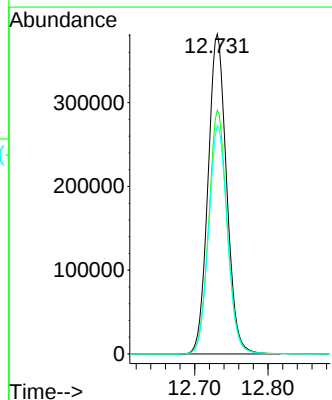
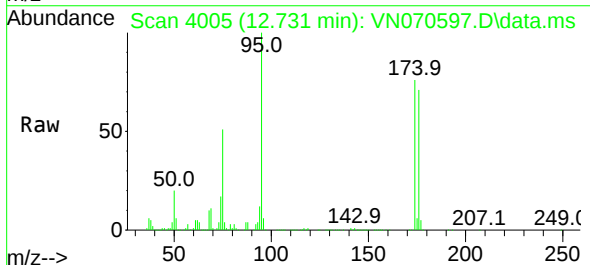
Instrument :
MSVOA_N
ClientSampleId :

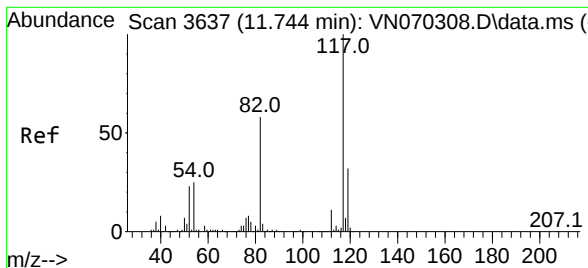
Tgt Ion: 43 Resp: 1961588
Ion Ratio Lower Upper
43 100
58 17.1 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 52.080 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Tgt Ion: 95 Resp: 672376
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 72.2 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 30

Delta R.T. -0.000 min

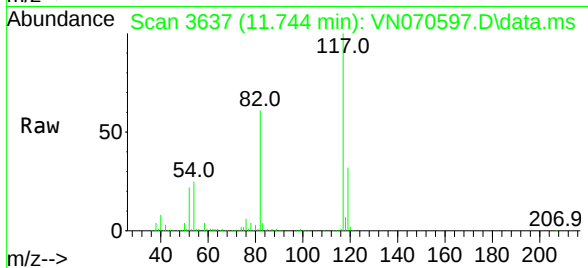
Lab File: VN070597.D

Acq: 12 Jan 2022 19:49

Instrument :

MSVOA_N

ClientSampleId :



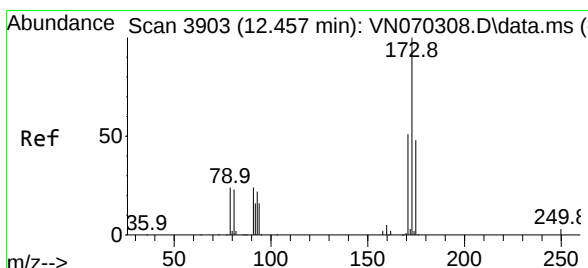
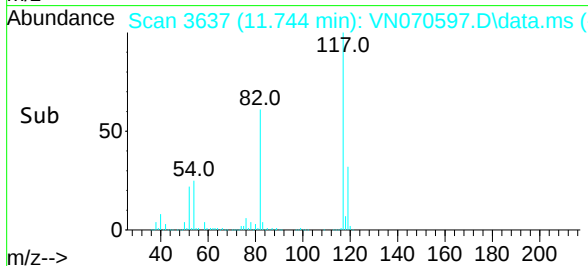
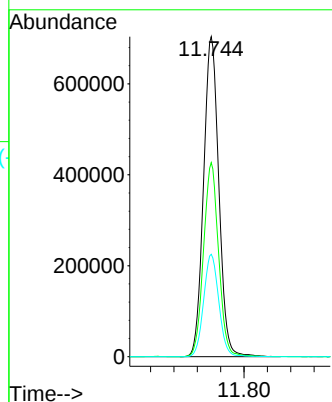
Tgt Ion:117 Resp: 1278210

Ion Ratio Lower Upper

117 100

82 60.6 42.4 63.6

119 32.0 25.4 38.2



#71

Bromoform

Concen: 0.203 ug/l

RT: 12.739 min Scan# 4008

Delta R.T. 0.282 min

Lab File: VN070597.D

Acq: 12 Jan 2022 19:49

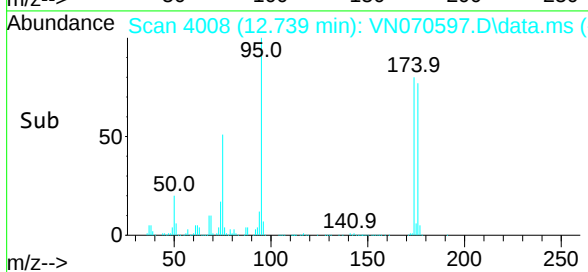
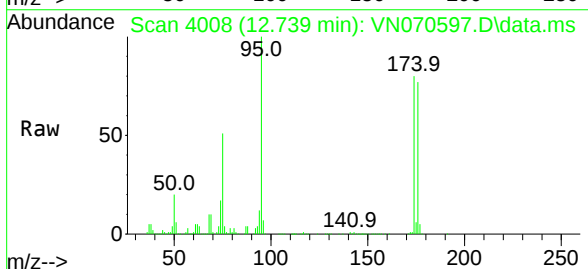
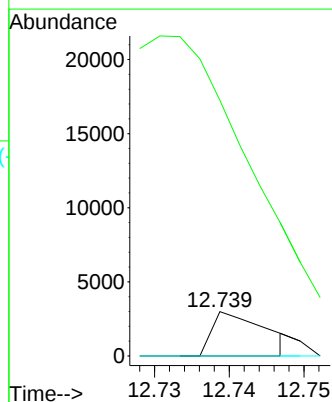
Tgt Ion:173 Resp: 1456

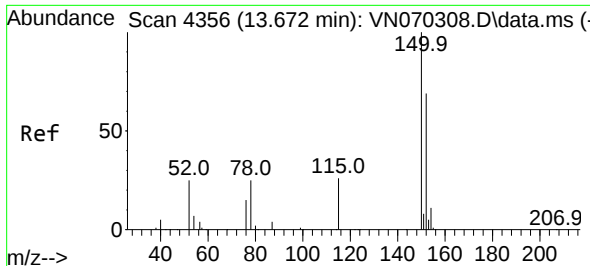
Ion Ratio Lower Upper

173 100

175 2368.2 24.2 72.6#

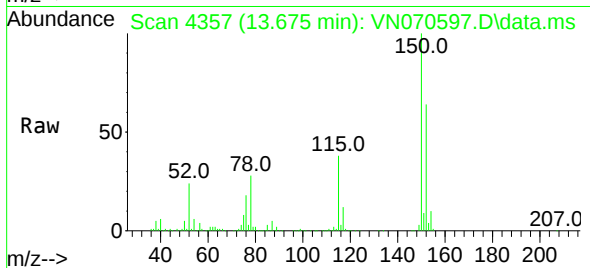
254 0.0 0.0 0.0



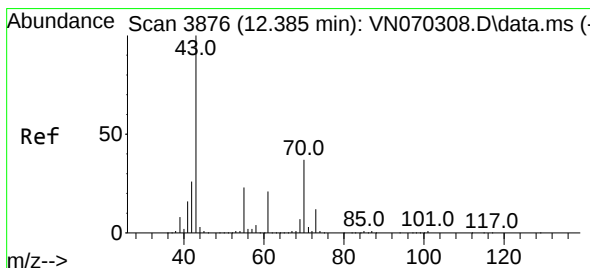
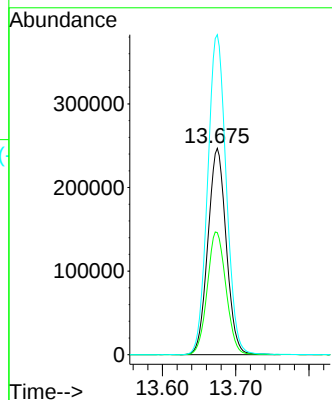
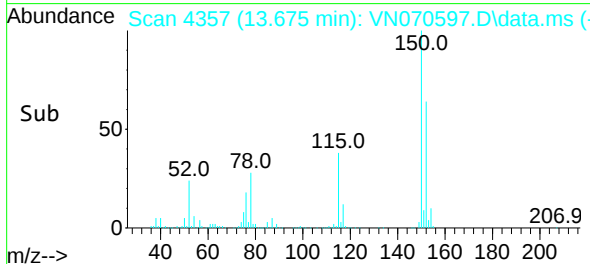


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

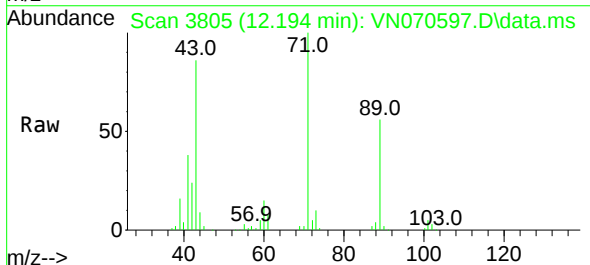
Instrument :
MSVOA_N
ClientSampleId :



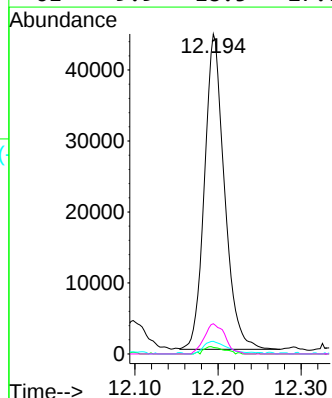
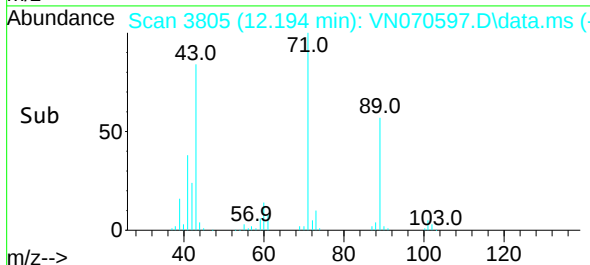
Tgt Ion:152 Resp: 429597
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.2 0.0 344.4

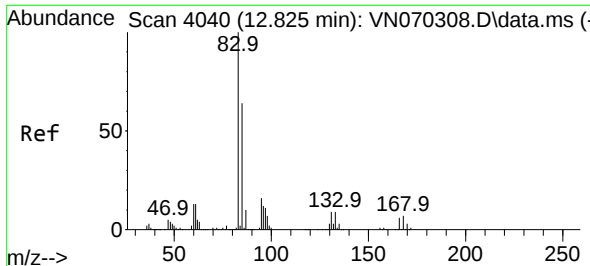


#74
N-ethyl acetate
Concen: 4.420 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.191 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49



Tgt Ion: 43 Resp: 74150
Ion Ratio Lower Upper
43 100
70 2.4 33.4 50.0#
55 4.7 19.3 28.9#
61 9.9 18.5 27.7#

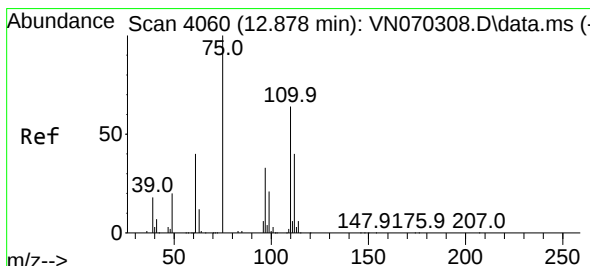
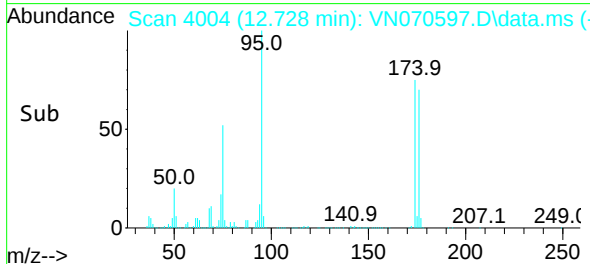
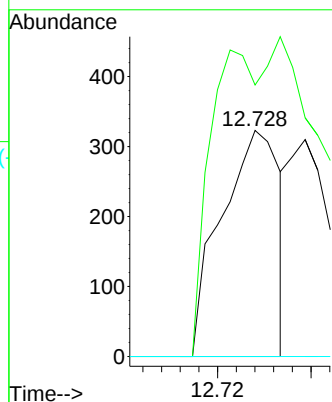
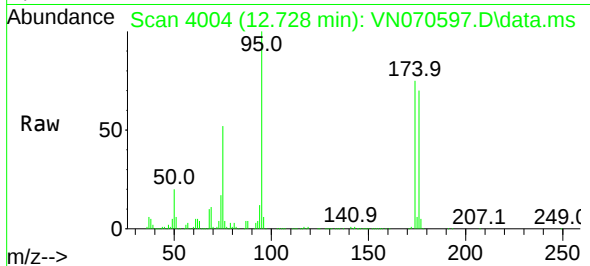




#75
1,1,2,2-Tetrachloroethane
Concen: 0.466 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.097 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

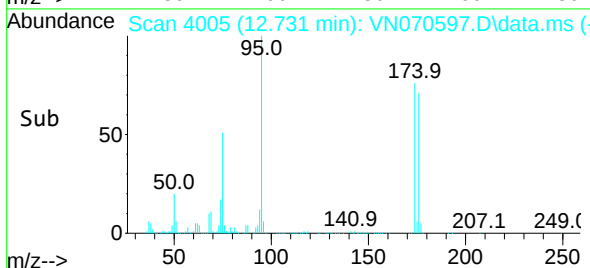
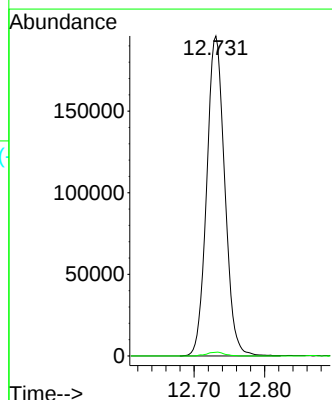
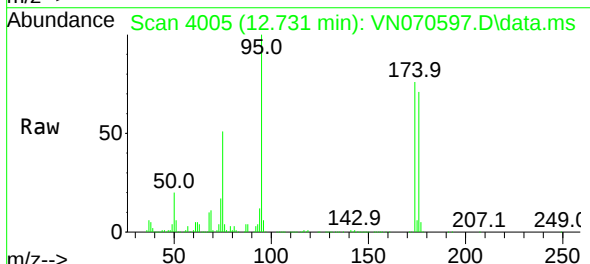
Instrument :
MSVOA_N
ClientSampleId :

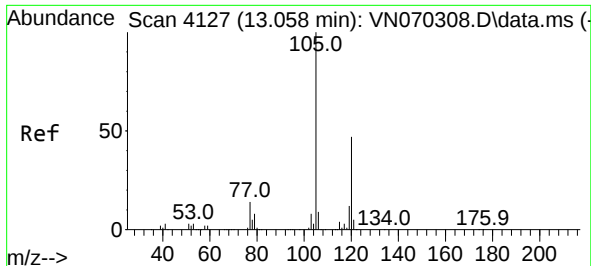
Tgt Ion: 83 Resp: 280
Ion Ratio Lower Upper
83 100
131 109.3 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 28.591 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Tgt Ion: 75 Resp: 347881
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

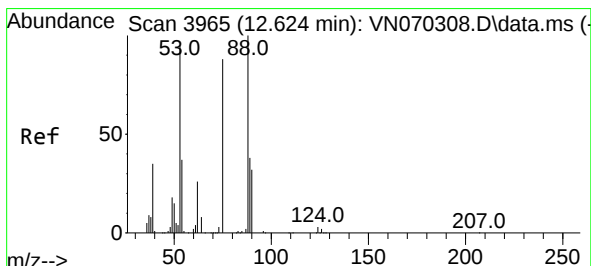
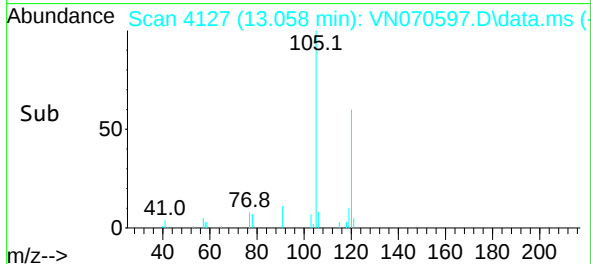
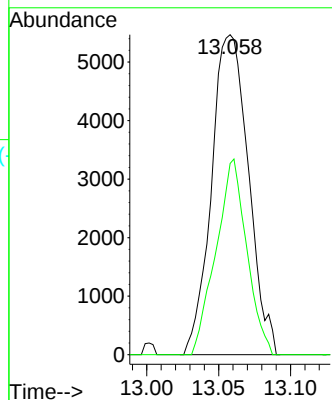
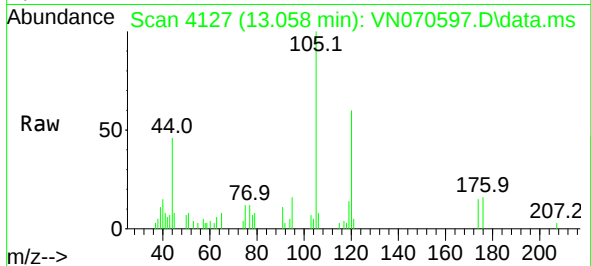




#80
 1,3,5-Trimethylbenzene
 Concen: 0.306 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. -0.000 min
 Lab File: VN070597.D
 Acq: 12 Jan 2022 19:49

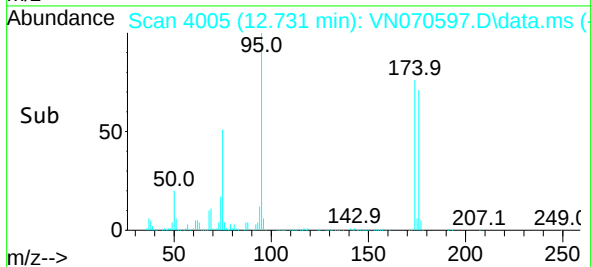
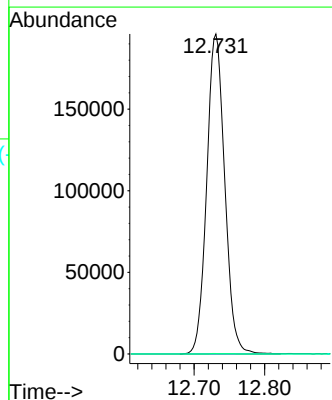
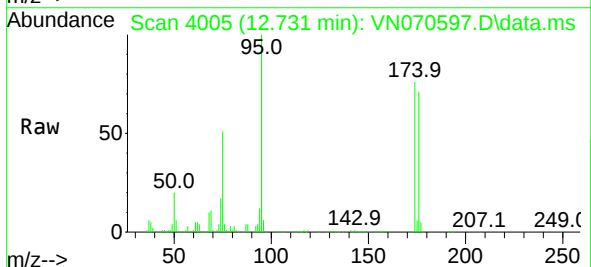
Instrument :
 MSVOA_N
 ClientSampleId :

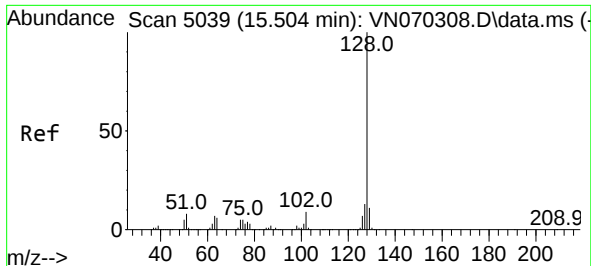
Tgt Ion:105 Resp: 9780
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.6 73.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.937 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.107 min
 Lab File: VN070597.D
 Acq: 12 Jan 2022 19:49

Tgt Ion: 75 Resp: 347881
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#

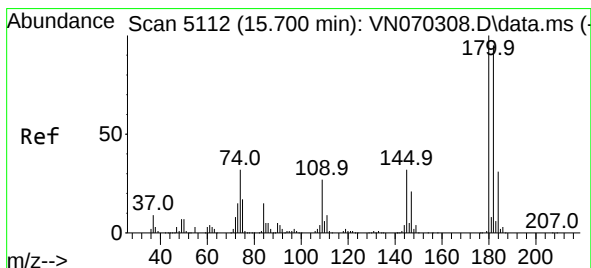
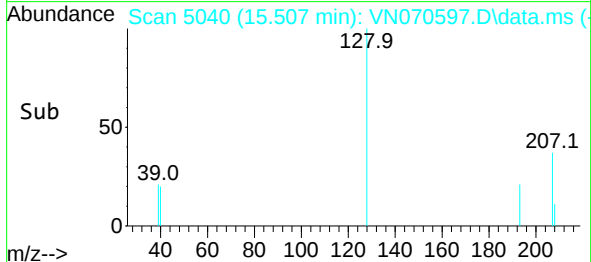
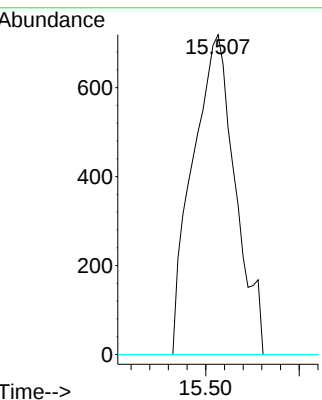
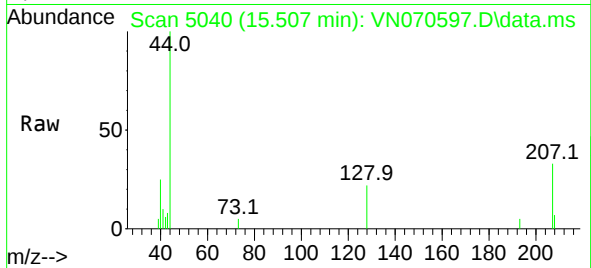




#95
Naphthalene
Concen: 1.853 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1135
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.838 ug/l
RT: 15.710 min Scan# 5116
Delta R.T. 0.010 min
Lab File: VN070597.D
Acq: 12 Jan 2022 19:49

Tgt Ion:180 Resp: 79
Ion Ratio Lower Upper
180 100
182 206.3 47.4 142.2#
145 0.0 15.0 45.1#

