

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
 Data File : VN070596.D
 Acq On : 12 Jan 2022 19:23
 Operator : JC/MD
 Sample : PB141975ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 13 04:28:26 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)

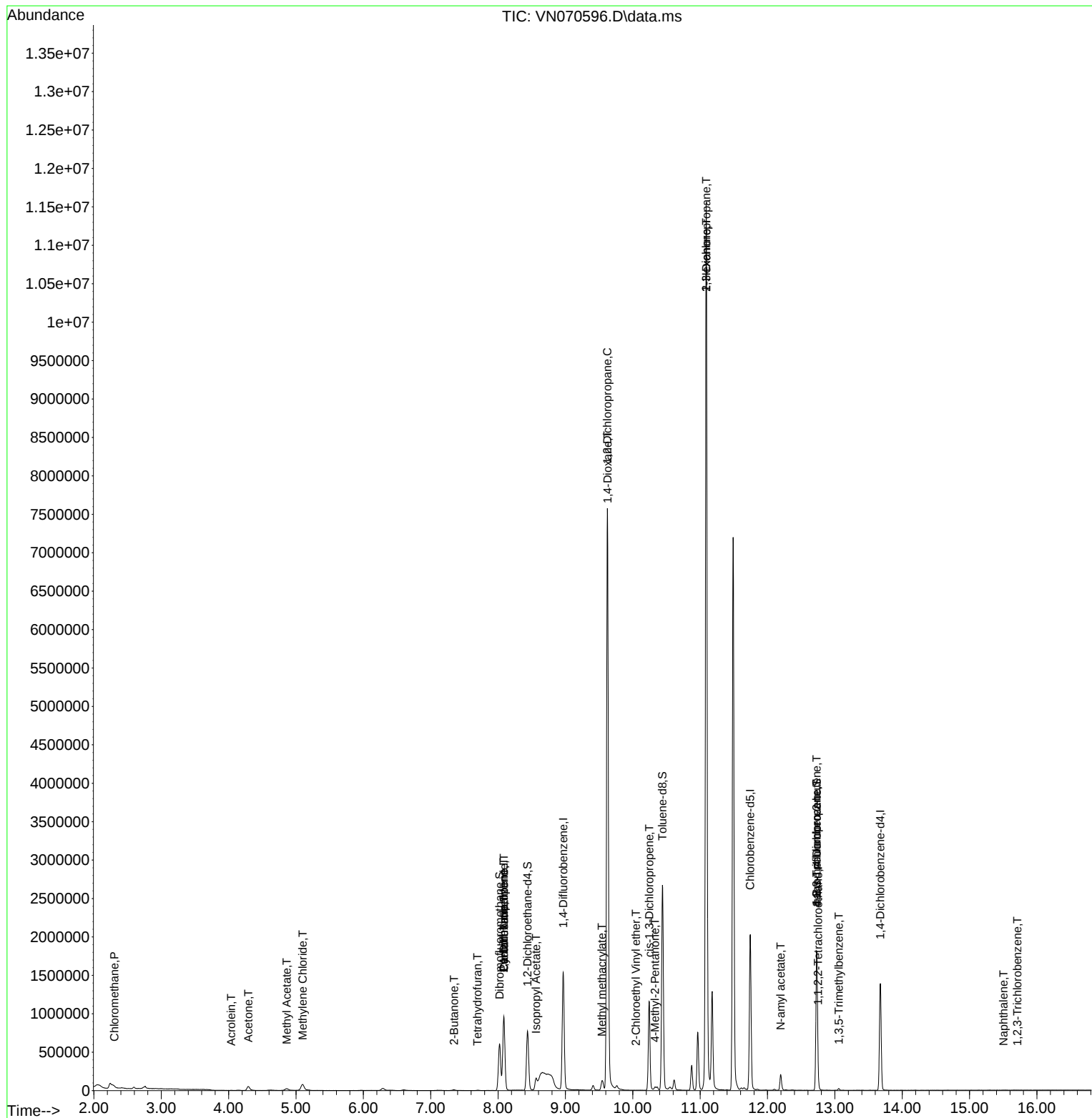
Internal Standards						
1) Pentafluorobenzene	8.086	168	736993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1316705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1168394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	399066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	647739	61.127	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 122.260%	
35) Dibromofluoromethane	8.021	113	458348	57.533	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 115.060%	
50) Toluene-d8	10.440	98	1858388	57.102	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 114.200%	
62) 4-Bromofluorobenzene	12.731	95	673987	57.339	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 114.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	2929	0.258	ug/l #	80
13) Acrolein	4.038	56	575	0.402	ug/l	99
16) Acetone	4.293	43	94477	13.734	ug/l	94
18) Methyl Acetate	4.862	43	50093	2.517	ug/l #	71
20) Methylene Chloride	5.098	84	57606	6.053	ug/l	87
25) 2-Butanone	7.348	43	17736	2.048	ug/l #	87
29) Tetrahydrofuran	7.694	42	1976	0.382	ug/l #	73
31) Cyclohexane	8.086	56	16284	0.974	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	58387	4.430	ug/l #	49
38) Carbon Tetrachloride	8.086	117	71472	5.679	ug/l #	17
43) Isopropyl Acetate	8.566	43	192485	7.147	ug/l #	80
45) 1,2-Dichloropropane	9.622	63	8483	0.780	ug/l #	44
48) Methyl methacrylate	9.542	41	38821	3.022	ug/l #	8
49) 1,4-Dioxane	9.628	88	986	5.243	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	25380	1.500	ug/l	94
54) cis-1,3-Dichloropropene	10.245	75	199582	12.688	ug/l #	61
57) 1,3-Dichloropropane	11.089	76	114646	6.699	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.046	63	183	18.554	ug/l #	45
59) 2-Hexanone	11.089	43	1960073	158.818	ug/l #	49
74) N-amyl acetate	12.194	43	74014	4.750	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.749	83	24	0.449	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	350490	30.778	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	9964	0.336	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.731	75	350490	107.305	ug/l #	5
95) Naphthalene	15.504	128	788	1.839	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.710	180	112	0.844	ug/l #	84

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

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Sample : PB141975ZHE#03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

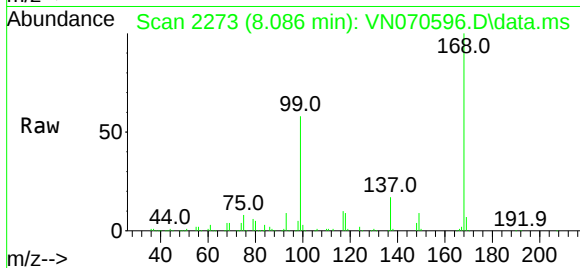
Quant Time: Jan 13 04:28:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
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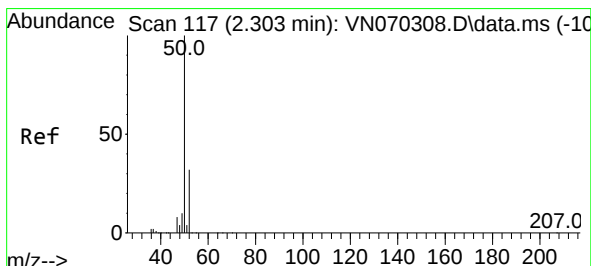
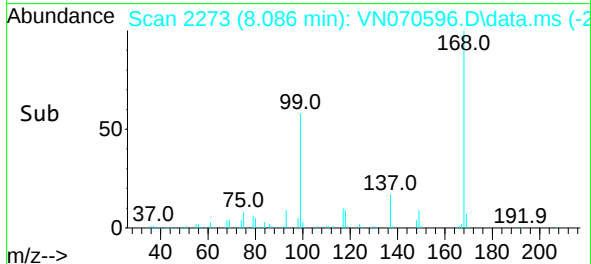
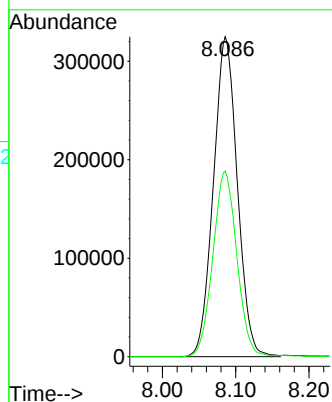


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Instrument :
MSVOA_N
ClientSampleId :

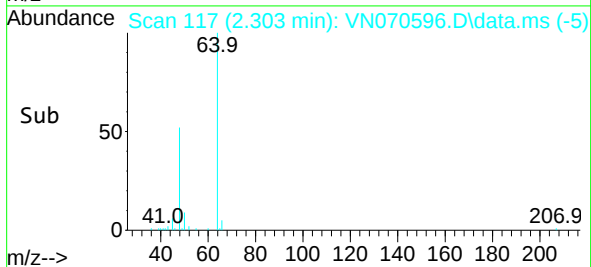
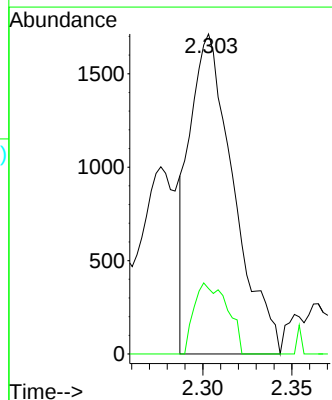
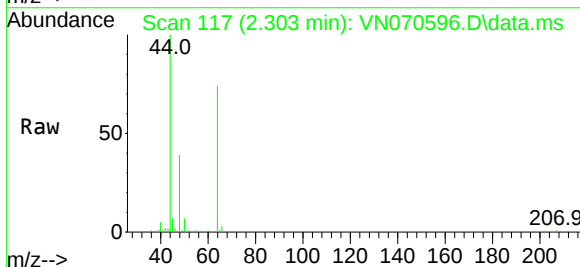


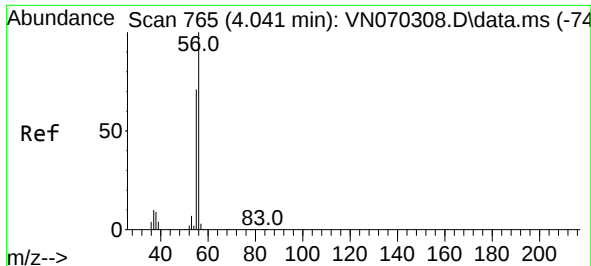
Tgt Ion:168 Resp: 736993
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#3
Chloromethane
Concen: 0.258 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

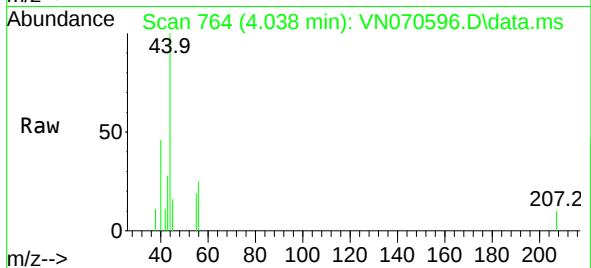
Tgt Ion: 50 Resp: 2929
Ion Ratio Lower Upper
50 100
52 20.5 25.4 38.0#



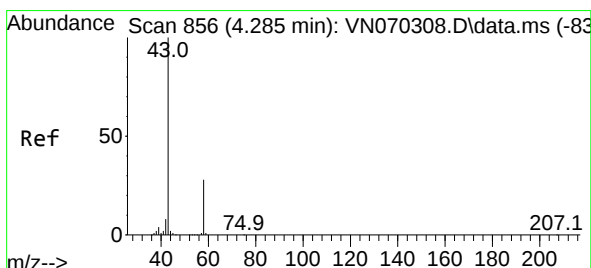
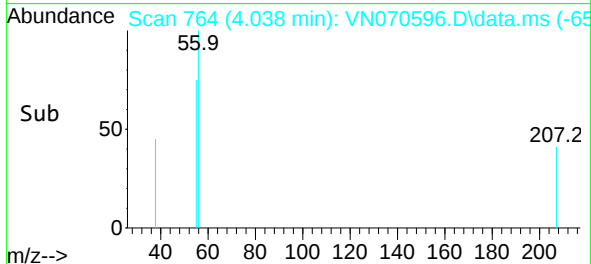
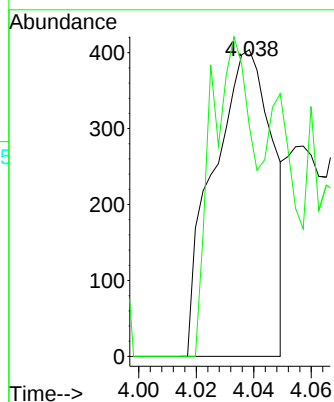


#13
Acrolein
Concen: 0.402 ug/l
RT: 4.038 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Instrument :
MSVOA_N
ClientSampleId :

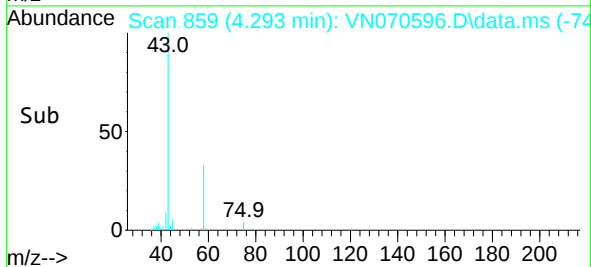
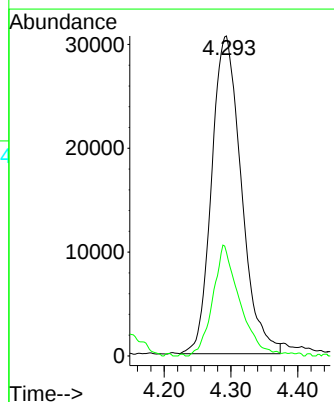
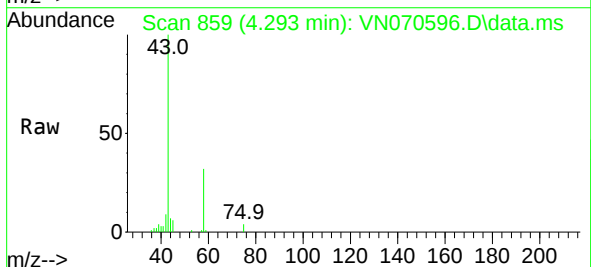


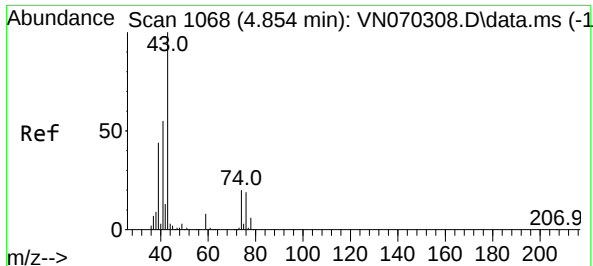
Tgt Ion: 56 Resp: 575
Ion Ratio Lower Upper
56 100
55 71.3 56.6 85.0



#16
Acetone
Concen: 13.734 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Tgt Ion: 43 Resp: 94477
Ion Ratio Lower Upper
43 100
58 32.1 23.1 34.7





#18

Methyl Acetate

Concen: 2.517 ug/l

RT: 4.862 min Scan# 1068

Delta R.T. 0.008 min

Lab File: VN070596.D

Acq: 12 Jan 2022 19:23

Instrument :

MSVOA_N

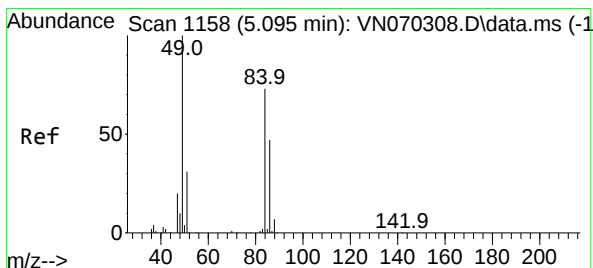
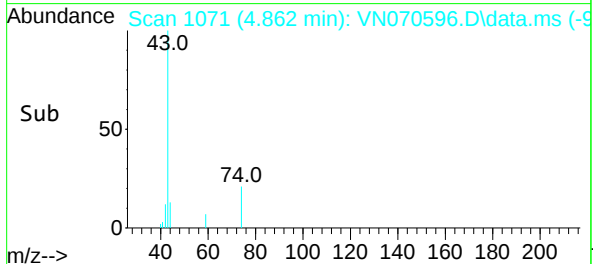
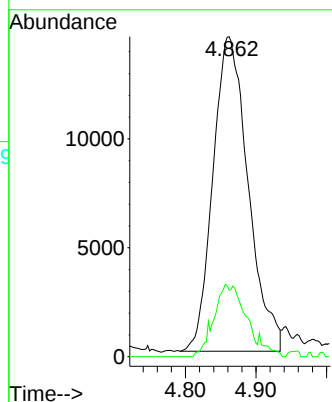
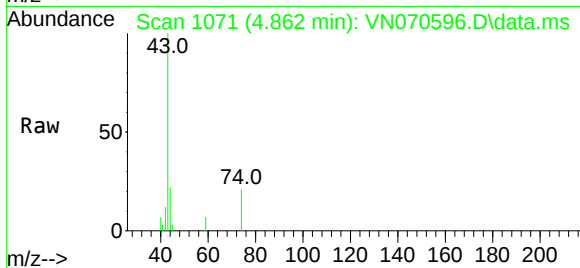
ClientSampleId :

Tgt Ion: 43 Resp: 50093

Ion Ratio Lower Upper

43 100

74 10.1 19.4 29.2#



#20

Methylene Chloride

Concen: 6.053 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.003 min

Lab File: VN070596.D

Acq: 12 Jan 2022 19:23

Tgt Ion: 84 Resp: 57606

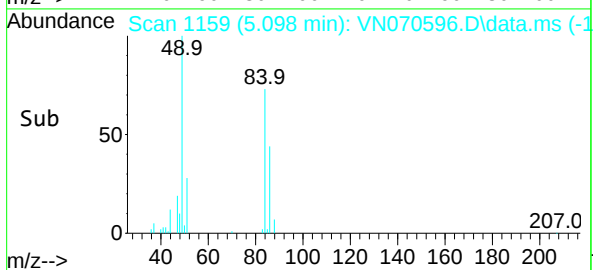
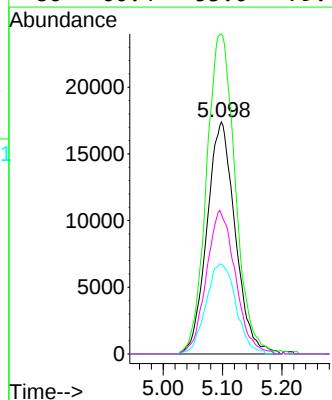
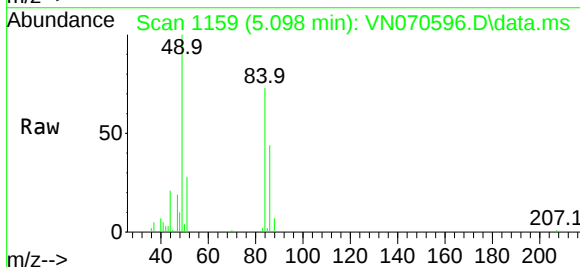
Ion Ratio Lower Upper

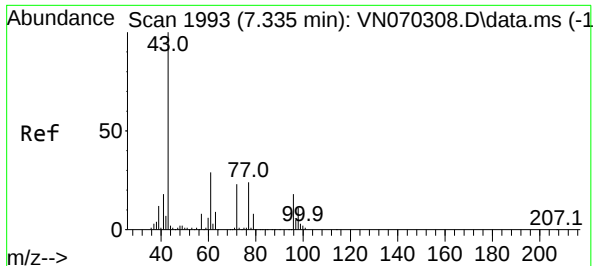
84 100

49 137.0 93.5 140.3

51 38.8 29.4 44.2

86 60.4 53.0 79.4





#25

2-Butanone

Concen: 2.048 ug/l

RT: 7.348 min Scan# 1993

Delta R.T. 0.013 min

Lab File: VN070596.D

Acq: 12 Jan 2022 19:23

Instrument :

MSVOA_N

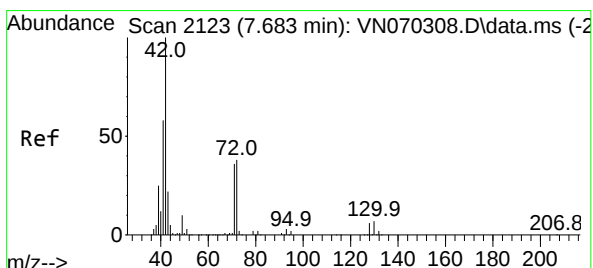
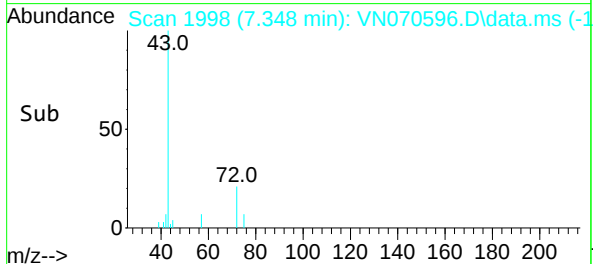
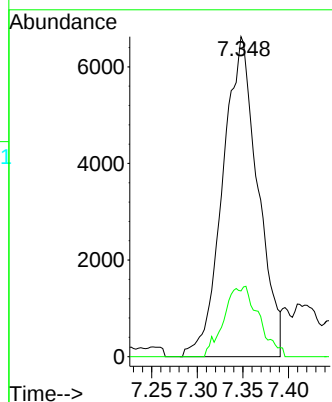
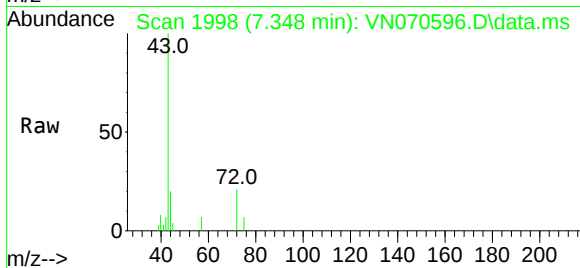
ClientSampleId :

Tgt Ion: 43 Resp: 17736

Ion Ratio Lower Upper

43 100

72 20.5 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.382 ug/l

RT: 7.694 min Scan# 2127

Delta R.T. 0.011 min

Lab File: VN070596.D

Acq: 12 Jan 2022 19:23

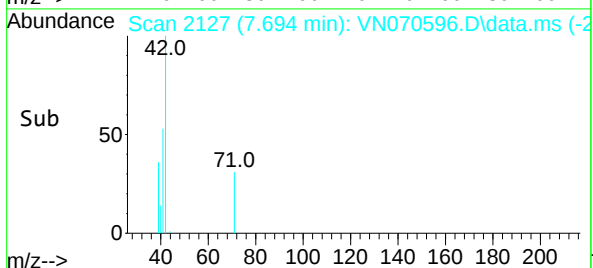
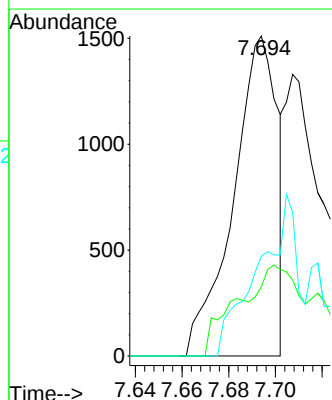
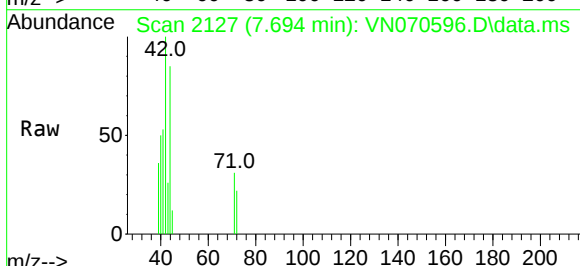
Tgt Ion: 42 Resp: 1976

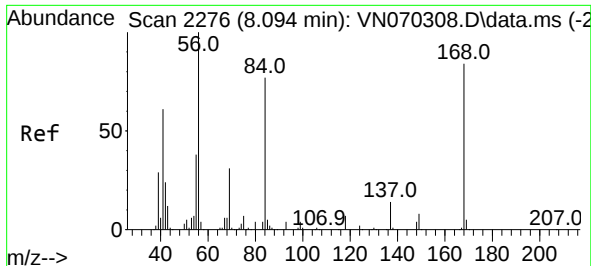
Ion Ratio Lower Upper

42 100

72 12.4 36.3 54.5#

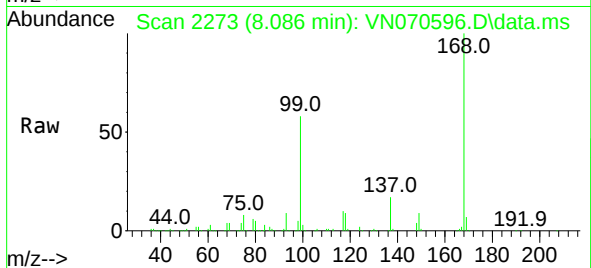
71 44.7 34.7 52.1



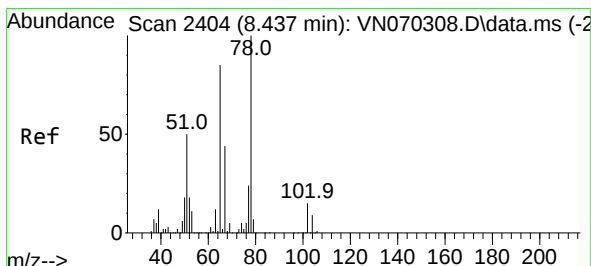
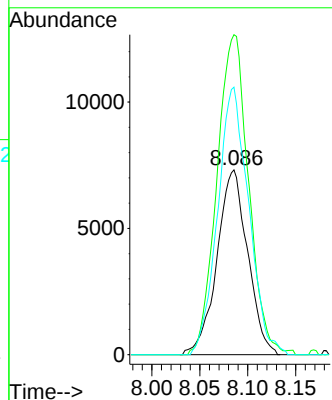
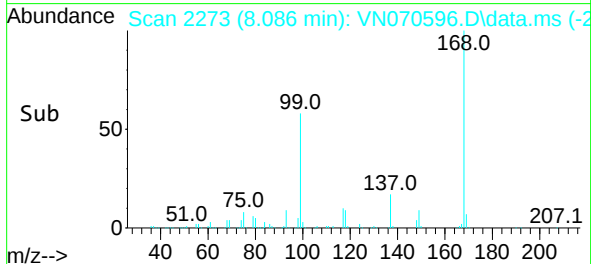


#31
Cyclohexane
Concen: 0.974 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Instrument :
MSVOA_N
ClientSampleId :

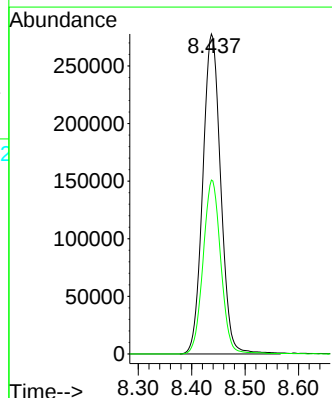
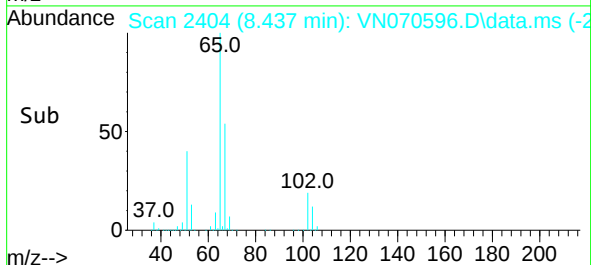
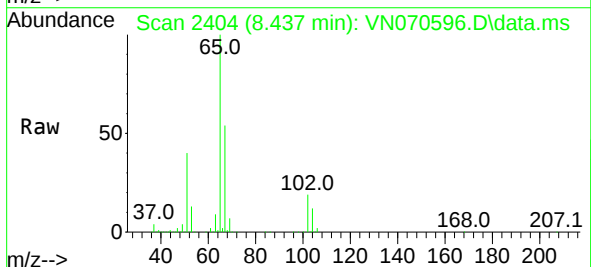


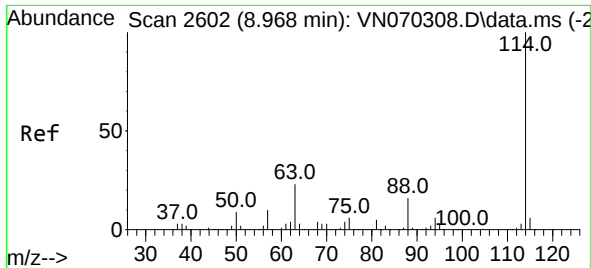
Tgt Ion: 56 Resp: 16284
Ion Ratio Lower Upper
56 100
69 173.1 27.1 40.7#
84 144.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 61.127 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Tgt Ion: 65 Resp: 647739
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.0

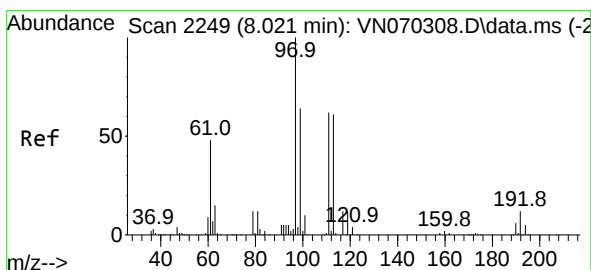
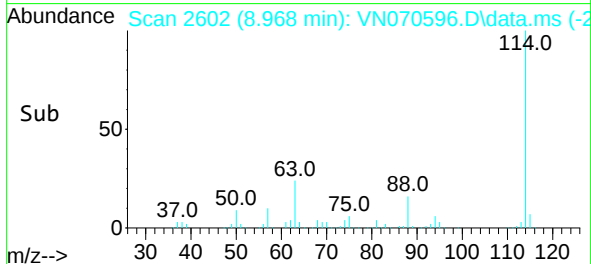
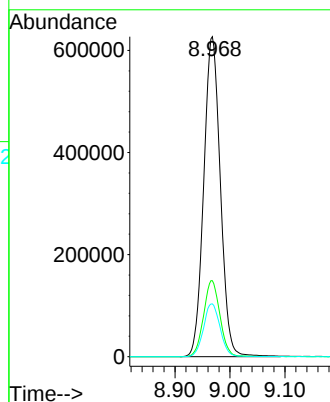
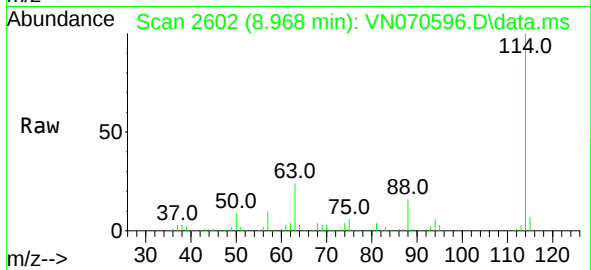




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

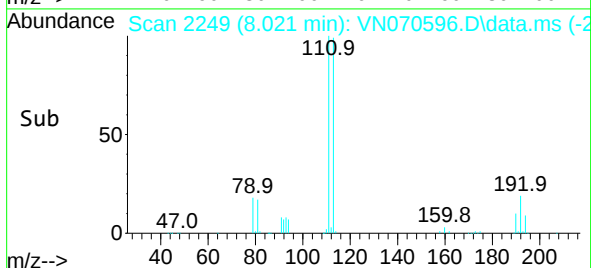
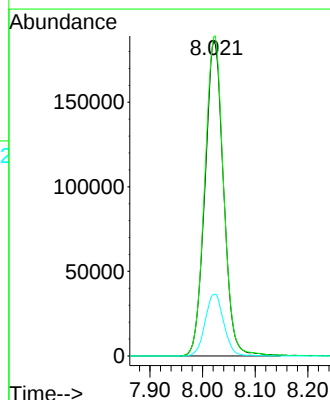
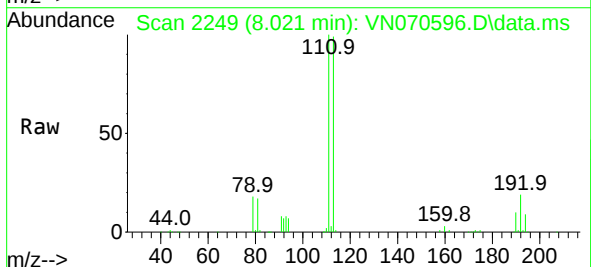
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MSVOA_N
ClientSampleId :

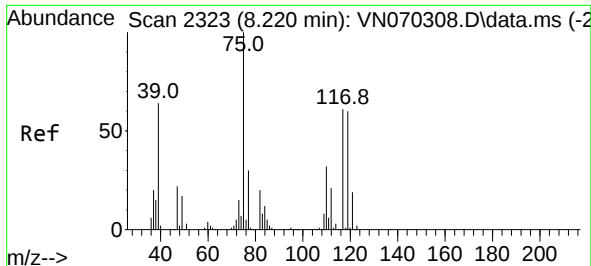
Tgt Ion:114 Resp: 1316705
Ion Ratio Lower Upper
114 100
63 23.8 0.0 37.8
88 16.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 57.533 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

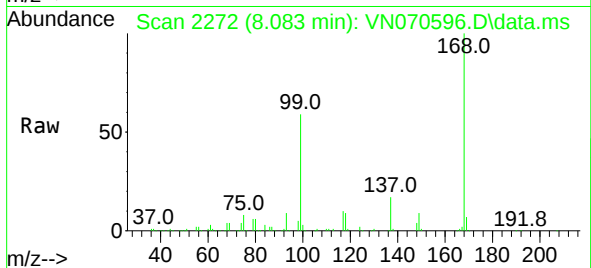
Tgt Ion:113 Resp: 458348
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 19.6 16.9 25.3



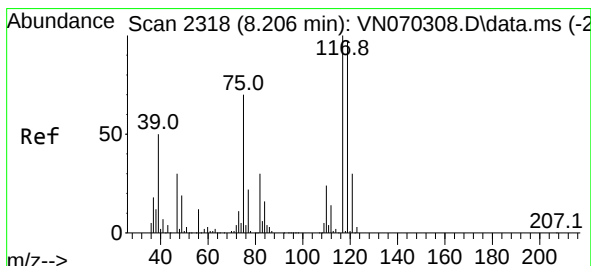
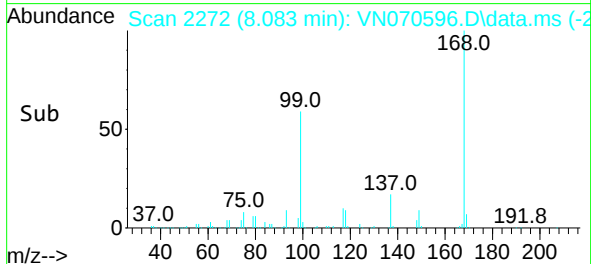
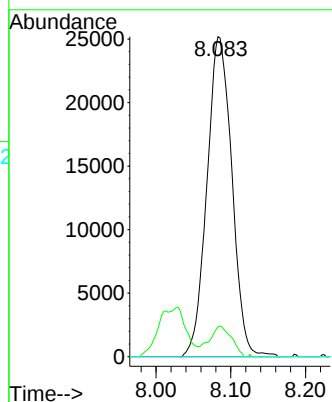


#36
1,1-Dichloropropene
Concen: 4.430 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Instrument :
MSVOA_N
ClientSampleId :

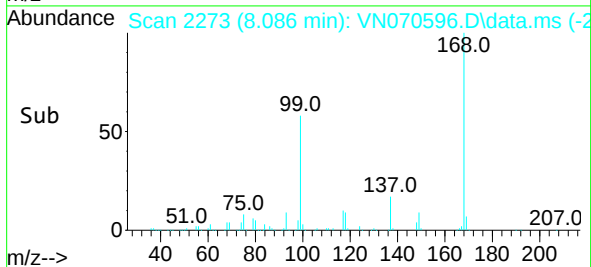
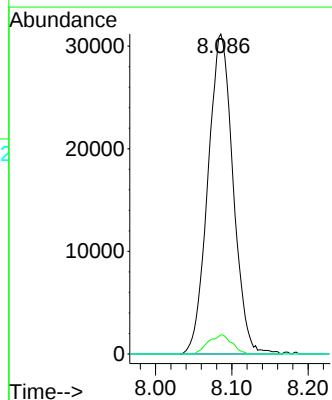
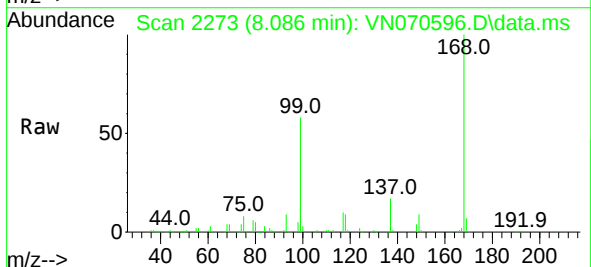


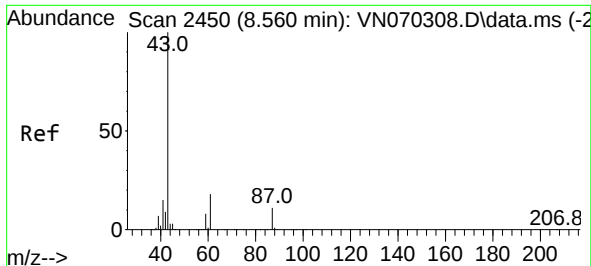
Tgt Ion: 75 Resp: 58387
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.679 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Tgt Ion: 117 Resp: 71472
Ion Ratio Lower Upper
117 100
119 6.0 76.1 114.1#
121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 7.147 ug/l

RT: 8.566 min Scan# 2450

Delta R.T. 0.006 min

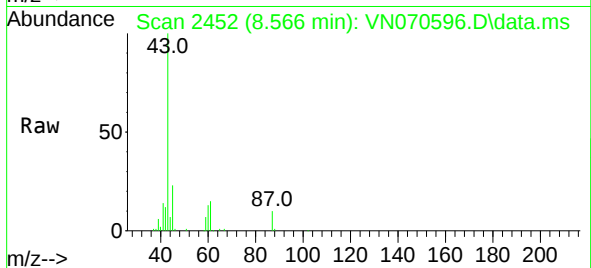
Lab File: VN070596.D

Acq: 12 Jan 2022 19:23

Instrument :

MSVOA_N

ClientSampleId :



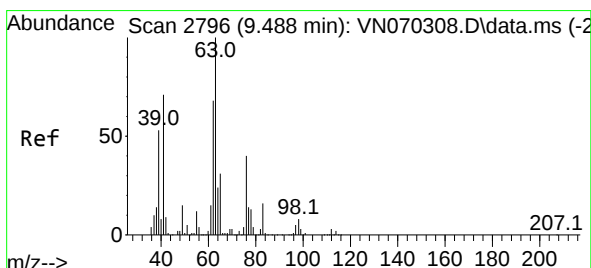
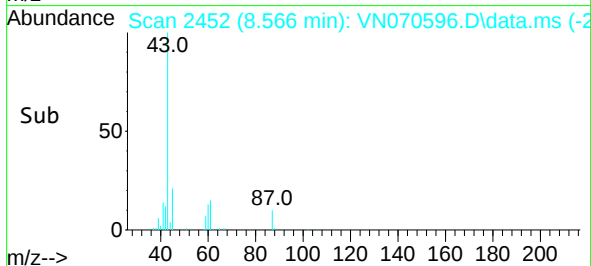
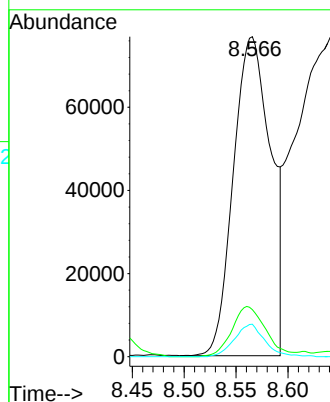
Tgt Ion: 43 Resp: 192485

Ion Ratio Lower Upper

43 100

61 14.2 20.4 30.6#

87 8.2 11.2 16.8#



#45

1,2-Dichloropropane

Concen: 0.780 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.134 min

Lab File: VN070596.D

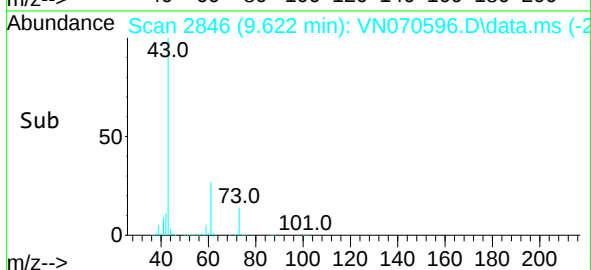
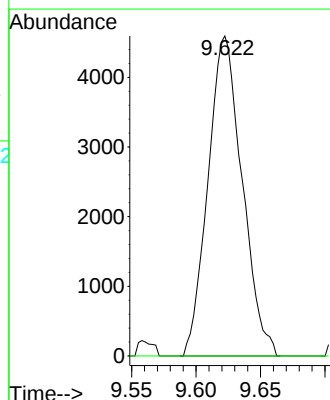
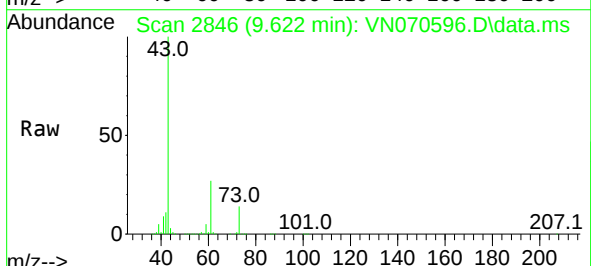
Acq: 12 Jan 2022 19:23

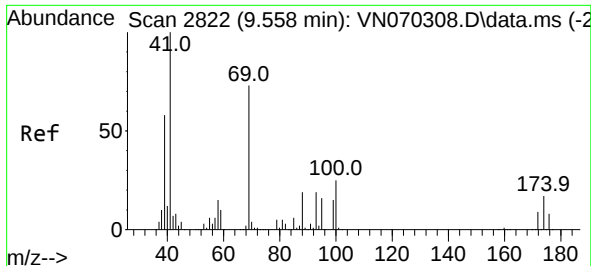
Tgt Ion: 63 Resp: 8483

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

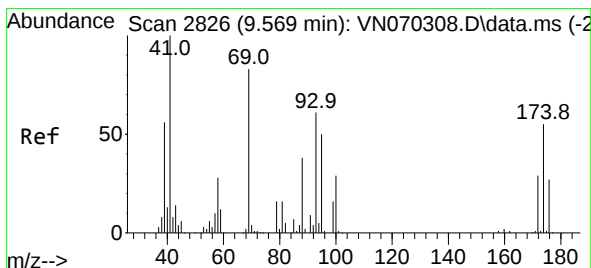
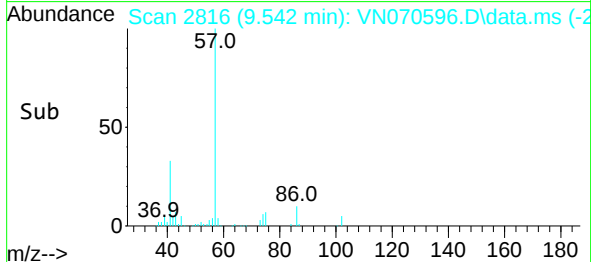
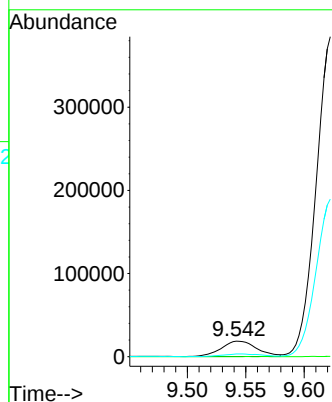
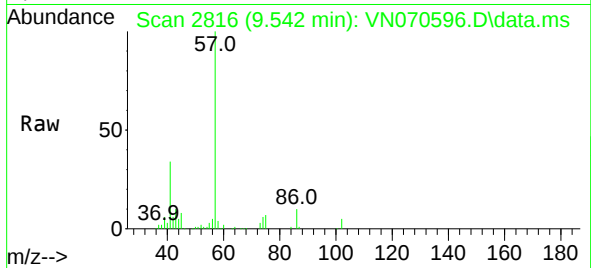




#48
Methyl methacrylate
Concen: 3.022 ug/l
RT: 9.542 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

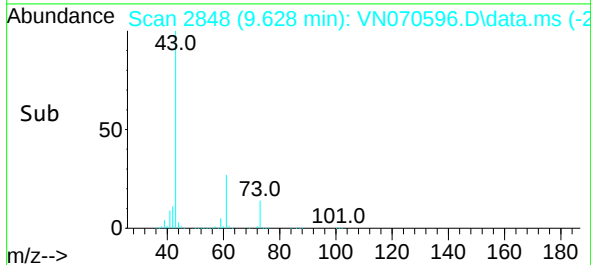
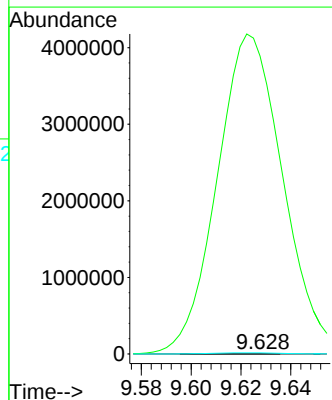
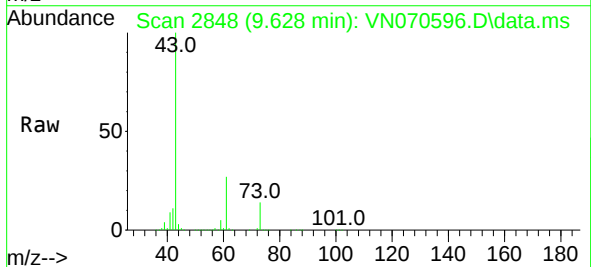
Instrument :
MSVOA_N
ClientSampleId :

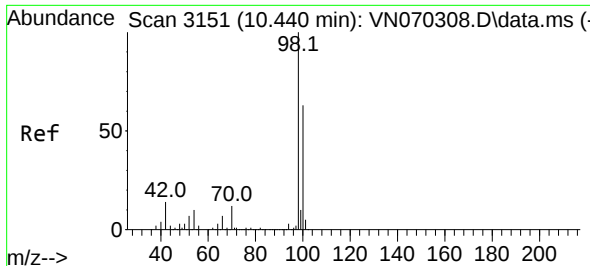
Tgt Ion: 41 Resp: 38821
Ion Ratio Lower Upper
41 100
69 0.1 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 5.243 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.059 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Tgt Ion: 88 Resp: 986
Ion Ratio Lower Upper
88 100
43 793685.1 23.4 35.2#
58 2911.2 50.6 75.8#

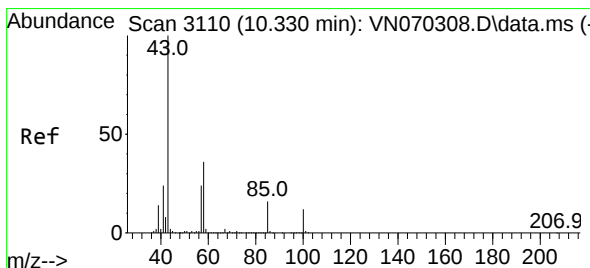
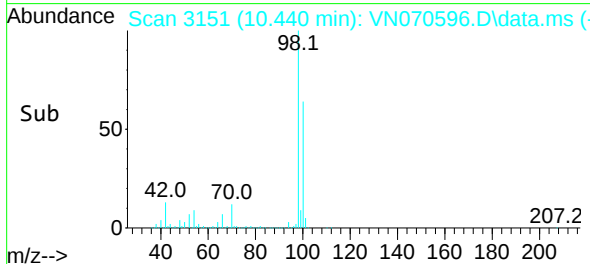
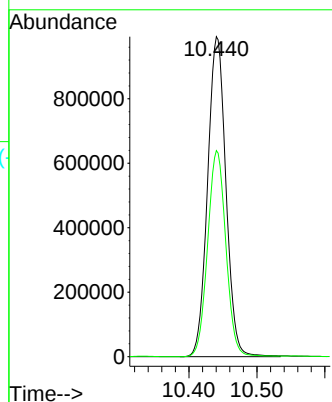
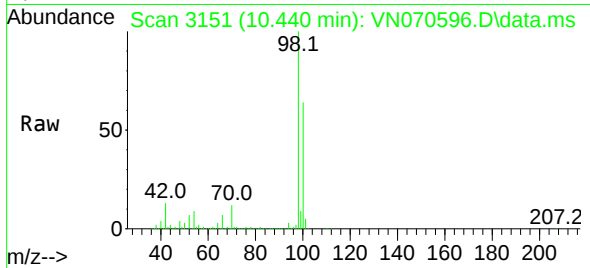




#50
Toluene-d8
Concen: 57.102 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

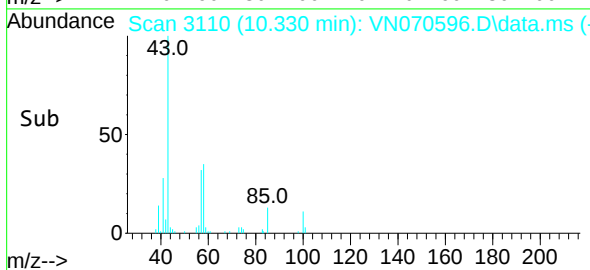
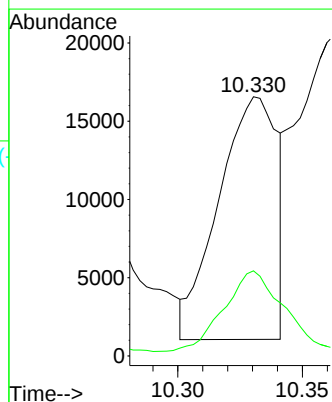
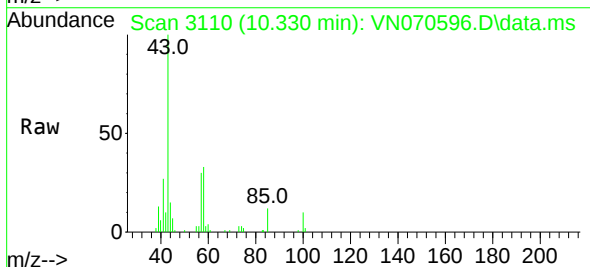
Instrument :
MSVOA_N
ClientSampleId :

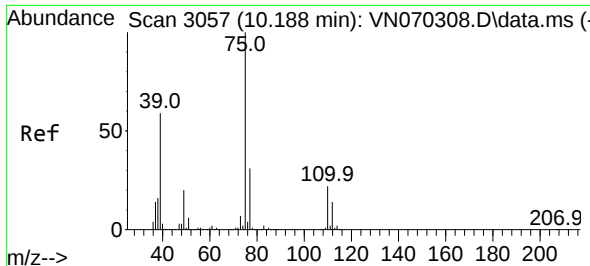
Tgt Ion: 98 Resp: 1858388
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.500 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

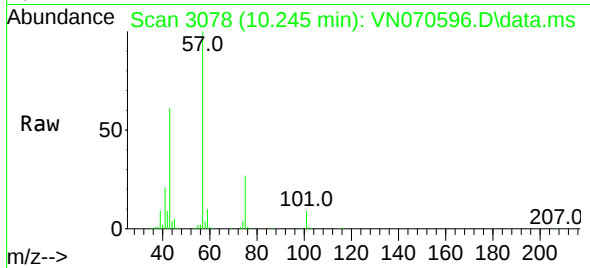
Tgt Ion: 43 Resp: 25380
Ion Ratio Lower Upper
43 100
58 34.3 30.4 45.6



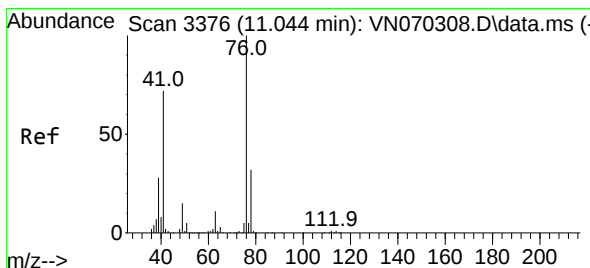
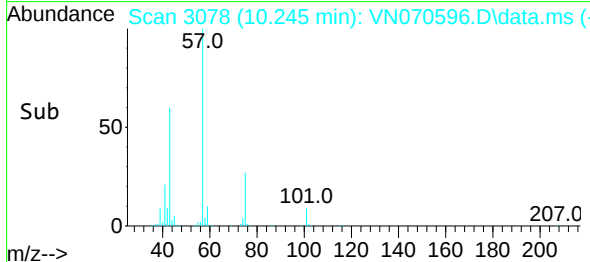
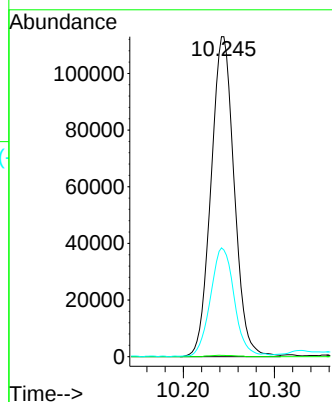


#54
 cis-1,3-Dichloropropene
 Concen: 12.688 ug/l
 RT: 10.245 min Scan# 3057
 Delta R.T. 0.057 min
 Lab File: VN070596.D
 Acq: 12 Jan 2022 19:23

Instrument :
 MSVOA_N
 ClientSampleId :

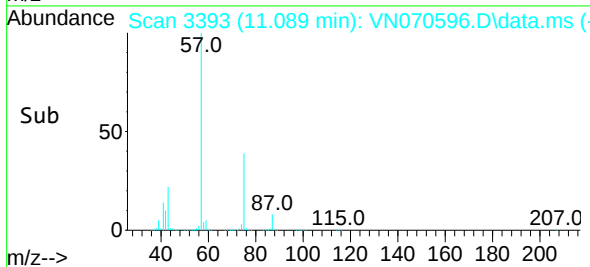
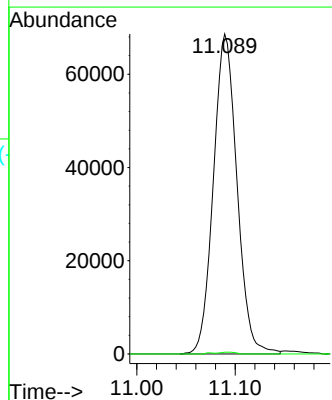
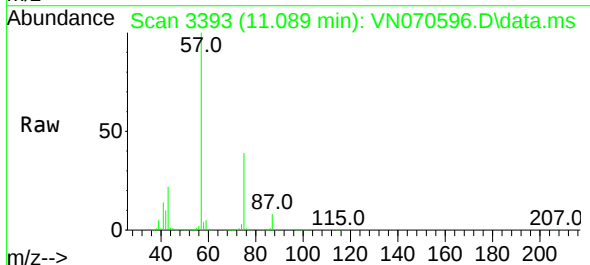


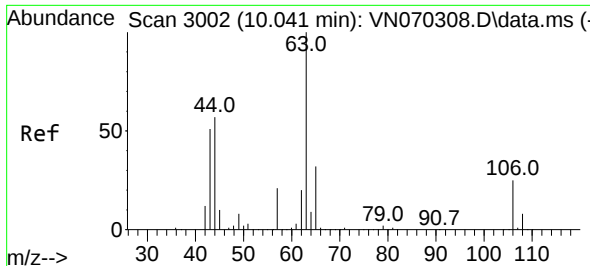
Tgt Ion: 75 Resp: 199582
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.4 39.6#
 39 33.2 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 6.699 ug/l
 RT: 11.089 min Scan# 3393
 Delta R.T. 0.045 min
 Lab File: VN070596.D
 Acq: 12 Jan 2022 19:23

Tgt Ion: 76 Resp: 114646
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#

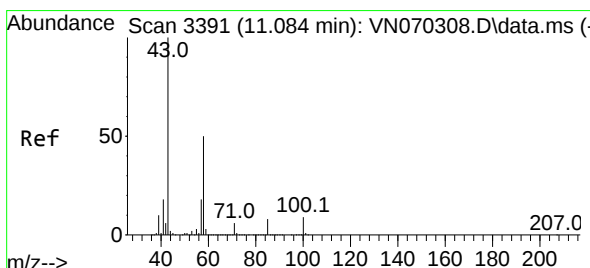
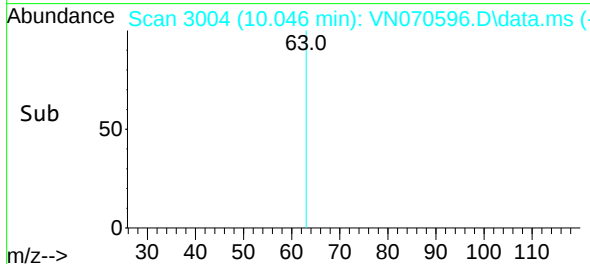
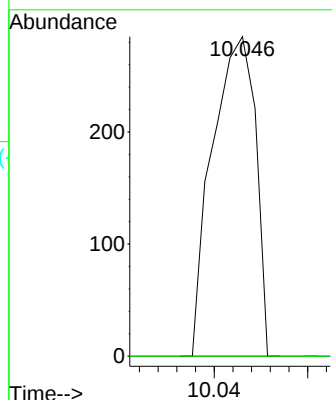
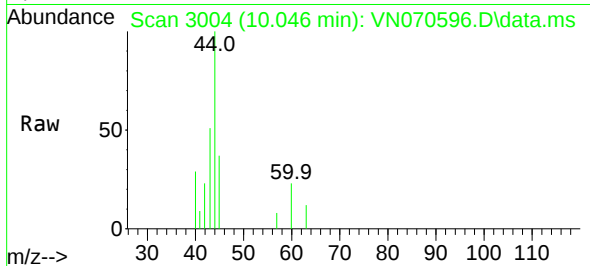




#58
2-Chloroethyl Vinyl ether
Concen: 18.554 ug/l
RT: 10.046 min Scan# 3002
Delta R.T. 0.005 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

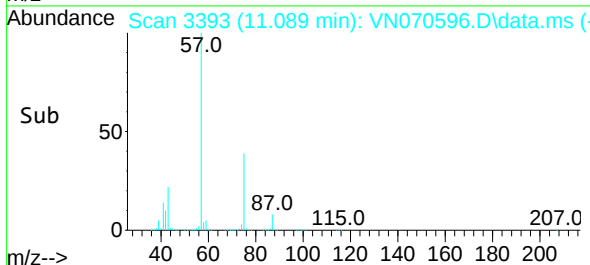
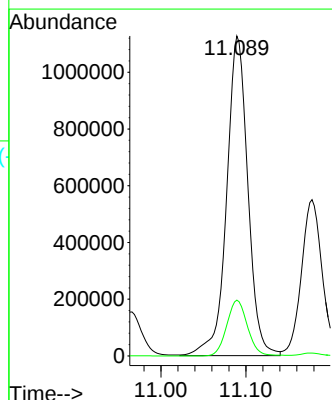
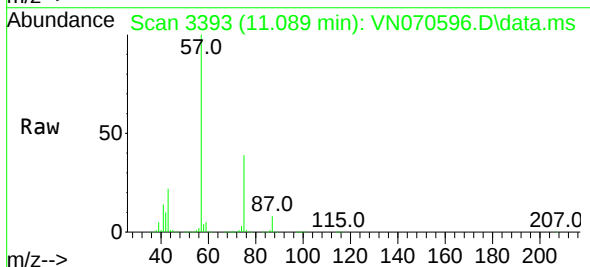
Instrument :
MSVOA_N
ClientSampleId :

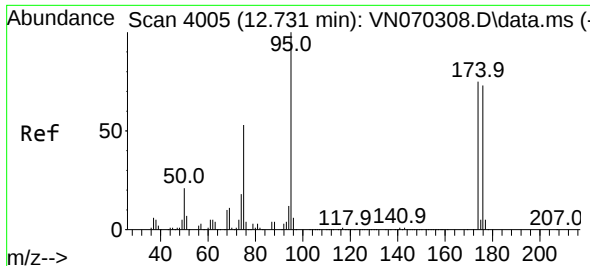
Tgt Ion: 63 Resp: 183
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 158.818 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Tgt Ion: 43 Resp: 1960073
Ion Ratio Lower Upper
43 100
58 17.1 26.9 80.7#

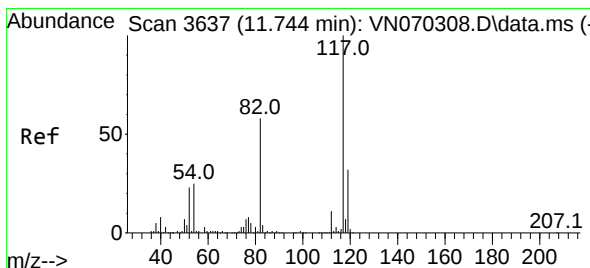
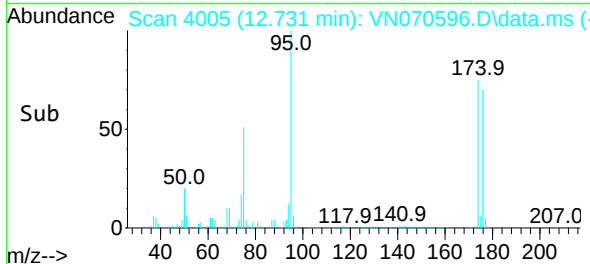
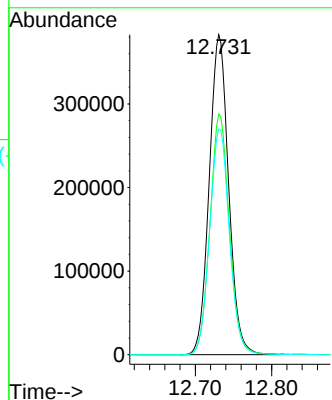
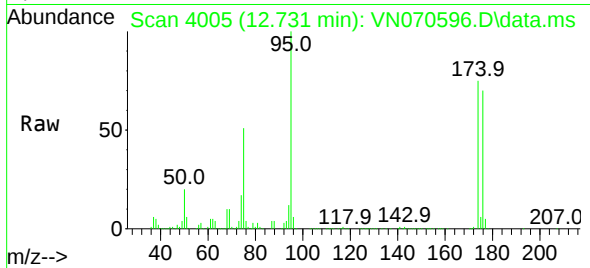




#62
4-Bromofluorobenzene
Concen: 57.339 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

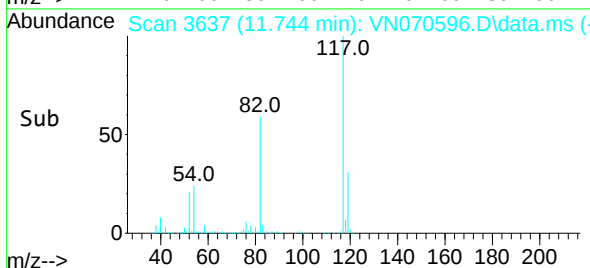
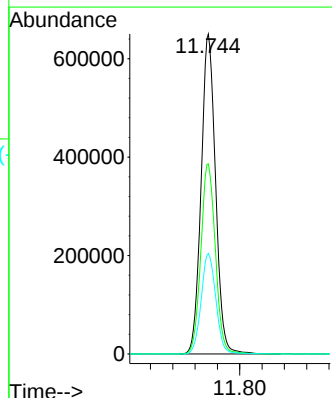
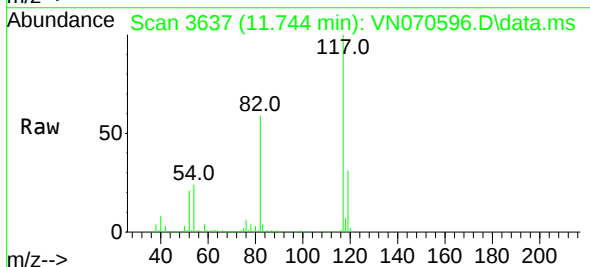
Instrument :
MSVOA_N
ClientSampleId :

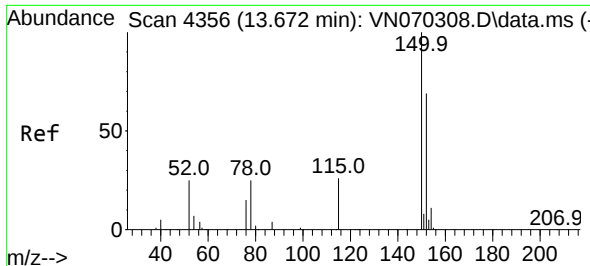
Tgt Ion: 95 Resp: 673987
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 72.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

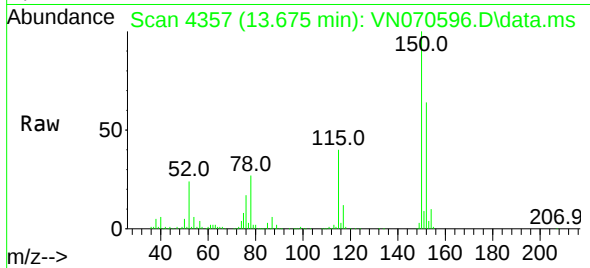
Tgt Ion: 117 Resp: 1168394
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 31.4 25.4 38.2



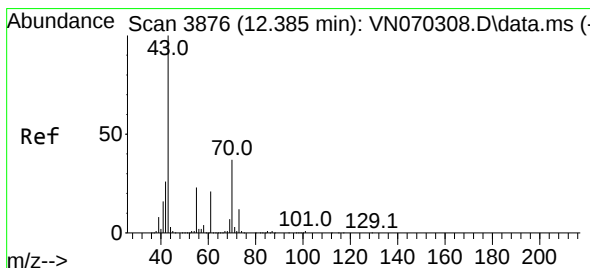
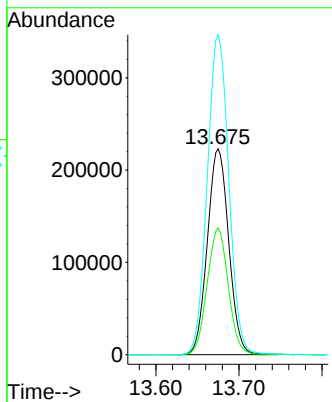
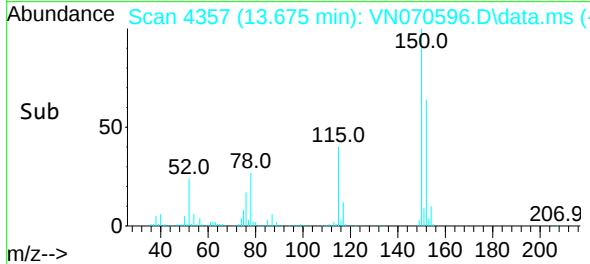


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

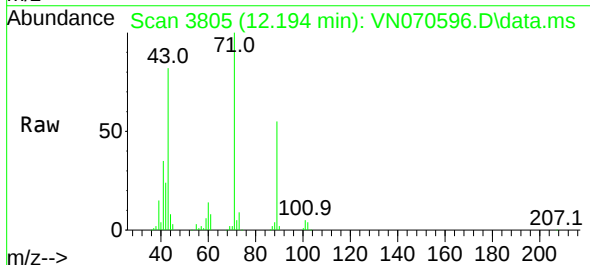
Instrument :
MSVOA_N
ClientSampleId :



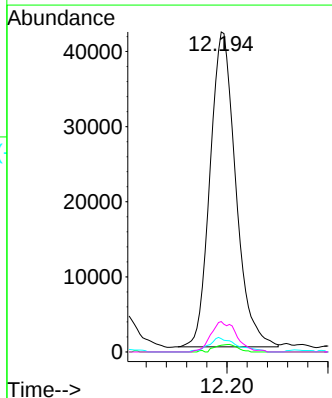
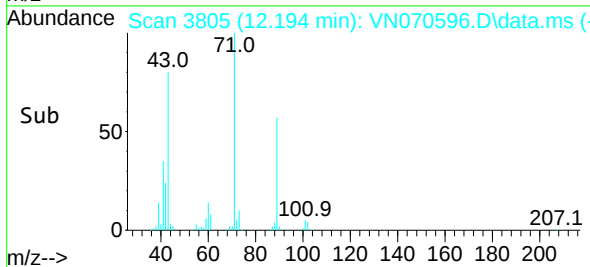
Tgt Ion:152 Resp: 399066
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 157.0 0.0 344.4

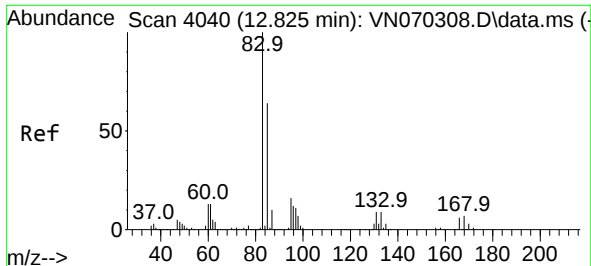


#74
N-ethyl acetate
Concen: 4.750 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.191 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23



Tgt Ion: 43 Resp: 74014
Ion Ratio Lower Upper
43 100
70 2.1 33.4 50.0#
55 5.0 19.3 28.9#
61 9.6 18.5 27.7#

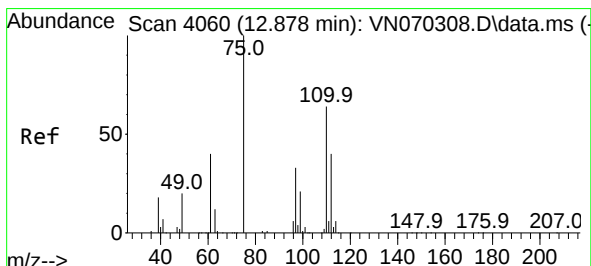
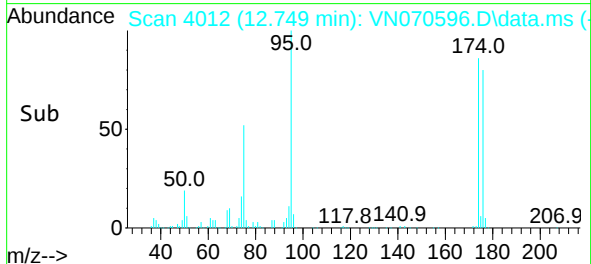
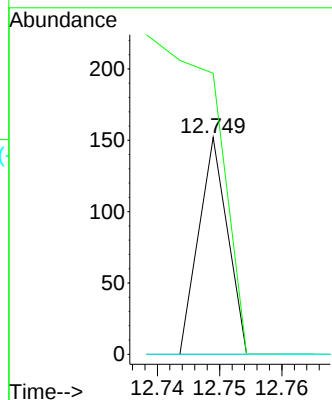
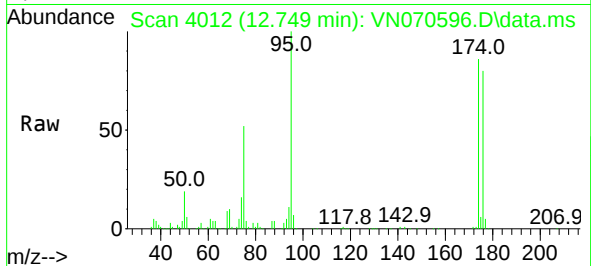




#75
1,1,2,2-Tetrachloroethane
Concen: 0.449 ug/l
RT: 12.749 min Scan# 4005
Delta R.T. -0.076 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

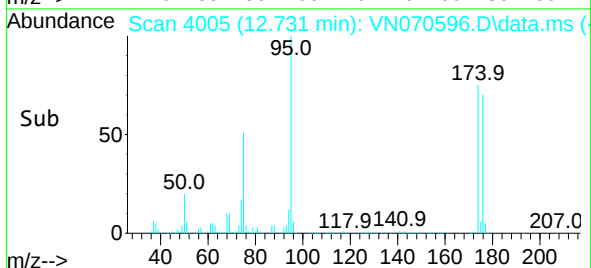
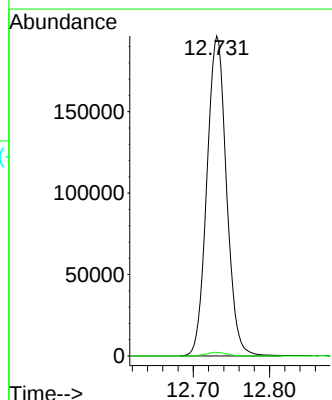
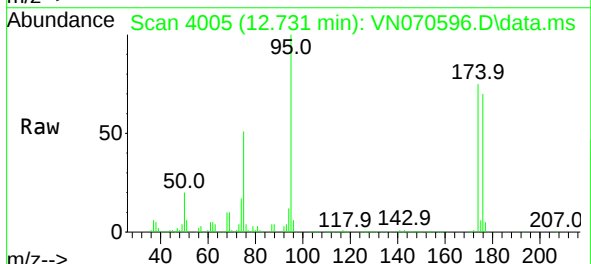
Instrument :
MSVOA_N
ClientSampleId :

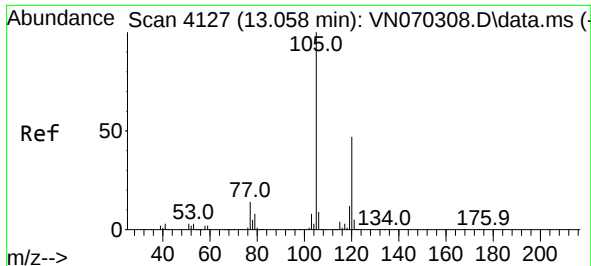
Tgt Ion: 83 Resp: 24
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 30.778 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Tgt Ion: 75 Resp: 350490
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

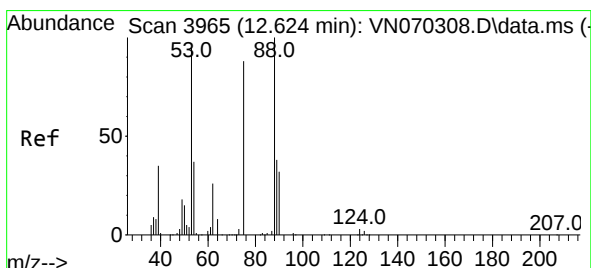
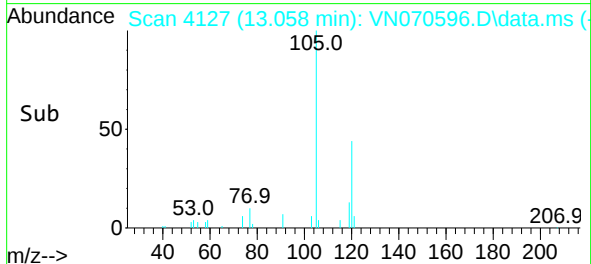
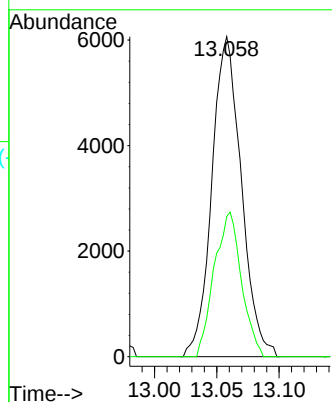
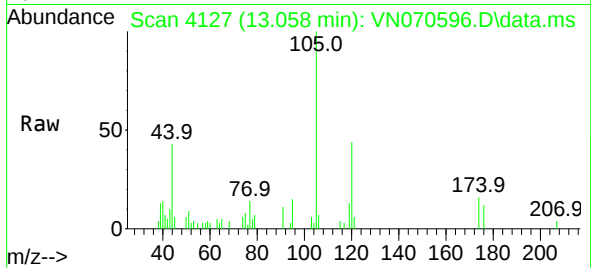




#80
1,3,5-Trimethylbenzene
Concen: 0.336 ug/l
RT: 13.058 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

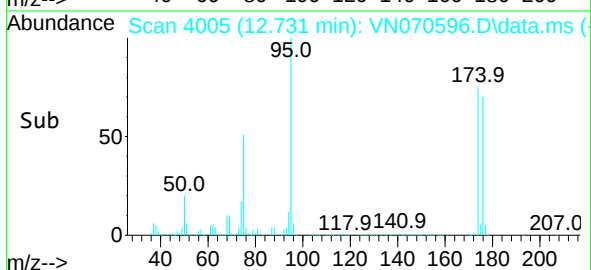
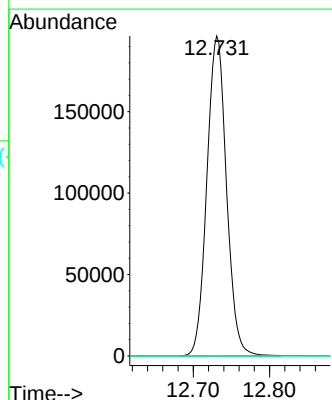
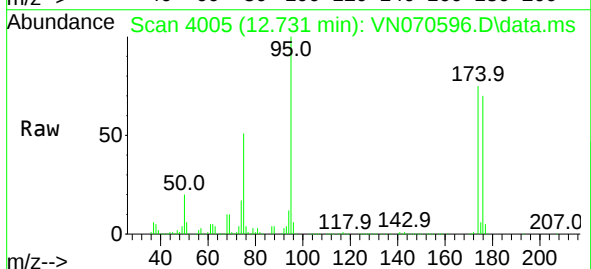
Instrument :
MSVOA_N
ClientSampleId :

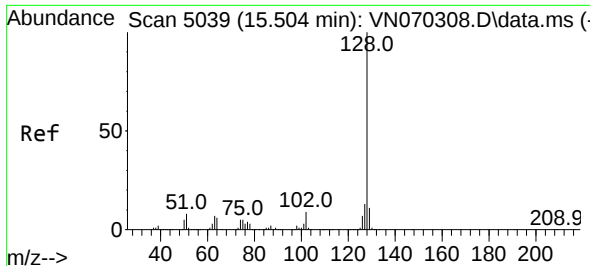
Tgt Ion:105 Resp: 9964
Ion Ratio Lower Upper
105 100
120 41.6 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 107.305 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Tgt Ion: 75 Resp: 350490
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

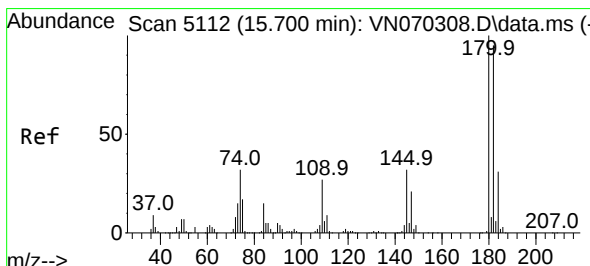
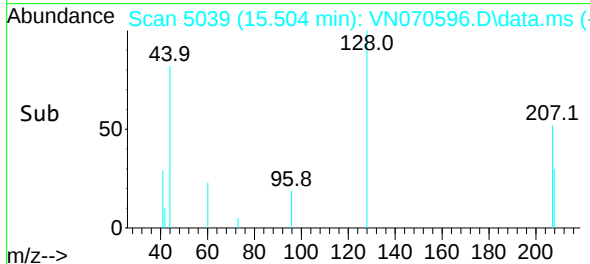
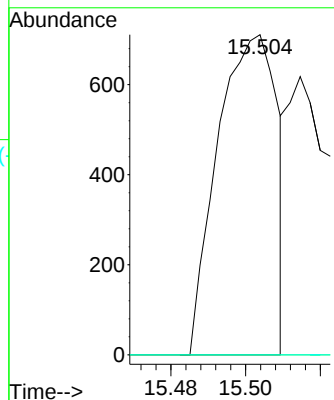
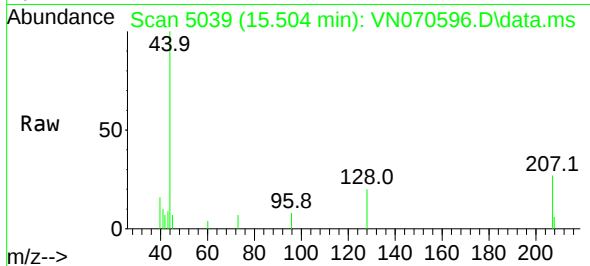




#95
Naphthalene
Concen: 1.839 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 788
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: 0.844 ug/l
RT: 15.710 min Scan# 5116
Delta R.T. 0.010 min
Lab File: VN070596.D
Acq: 12 Jan 2022 19:23

Tgt Ion:180 Resp: 112
Ion Ratio Lower Upper
180 100
182 98.2 47.4 142.2
145 0.0 15.0 45.1#

