

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070528.D
 Acq On : 6 Jan 2022 18:59
 Operator : JC/MD
 Sample : PB141877TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 01:42:06 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)

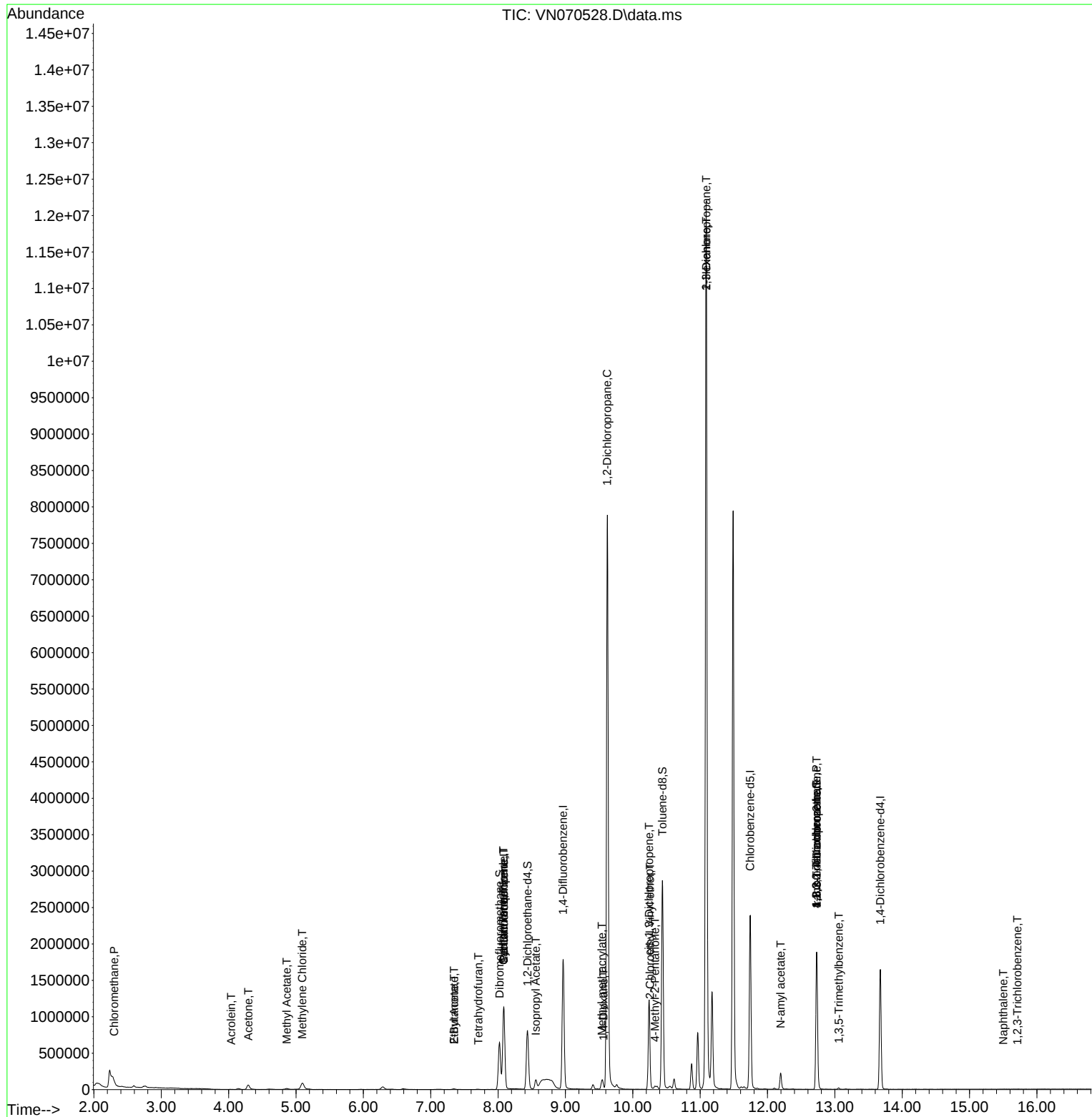
Internal Standards						
1) Pentafluorobenzene	8.086	168	878080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1545391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1368086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	462100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	685287	54.280	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 108.560%		
35) Dibromofluoromethane	8.021	113	480689	51.408	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 102.820%		
50) Toluene-d8	10.440	98	1983518	51.928	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 103.860%		
62) 4-Bromofluorobenzene	12.728	95	702426	50.915	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 101.820%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	2890	0.213	ug/l #	73
13) Acrolein	4.039	56	444	0.260	ug/l #	81
16) Acetone	4.293	43	114883	14.018	ug/l	98
18) Methyl Acetate	4.865	43	27452	1.158	ug/l #	78
20) Methylene Chloride	5.093	84	64146	5.657	ug/l	89
25) 2-Butanone	7.345	43	17979	1.742	ug/l	95
29) Tetrahydrofuran	7.708	42	3219	0.523	ug/l #	59
31) Cyclohexane	8.080	56	18975	0.952	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	70230	4.540	ug/l #	48
37) Ethyl Acetate	7.345	43	17979	0.897	ug/l #	68
38) Carbon Tetrachloride	8.080	117	85181	5.767	ug/l #	17
43) Isopropyl Acetate	8.560	43	160146	5.066	ug/l #	84
45) 1,2-Dichloropropane	9.620	63	9335	0.731	ug/l #	44
48) Methyl methacrylate	9.542	41	39251	2.603	ug/l #	8
49) 1,4-Dioxane	9.566	88	108	0.489	ug/l #	27
51) 4-Methyl-2-Pentanone	10.331	43	29865	1.504	ug/l	90
54) cis-1,3-Dichloropropene	10.242	75	204079	11.054	ug/l #	64
57) 1,3-Dichloropropane	11.089	76	121062	6.027	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.255	63	53	18.523	ug/l #	45
59) 2-Hexanone	11.089	43	2075110	143.258	ug/l #	48
74) N-amyl acetate	12.194	43	80743	4.475	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.728	83	459	0.476	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	363697	27.865	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.061	105	7399	0.215	ug/l #	59
81) trans-1,4-Dichloro-2-b...	12.731	75	363697	96.160	ug/l #	5
95) Naphthalene	15.501	128	1179	1.851	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	56	0.834	ug/l #	45

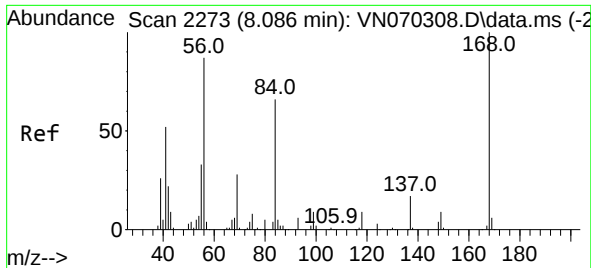
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
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QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

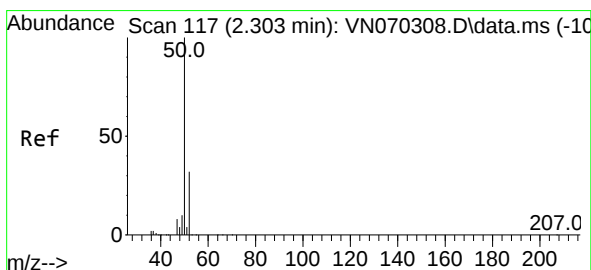
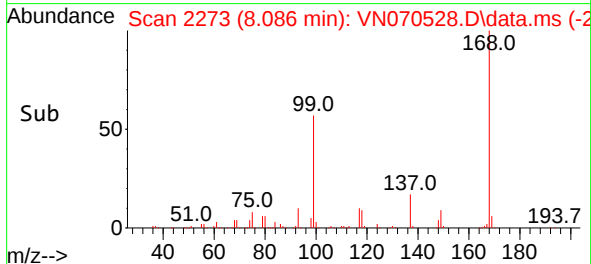
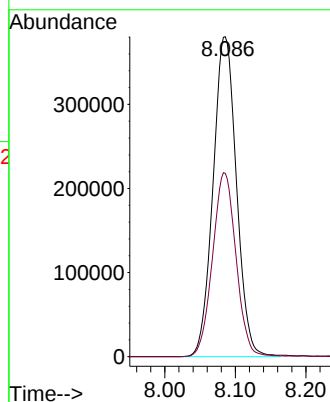
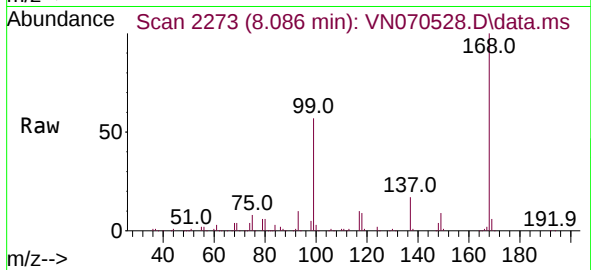




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

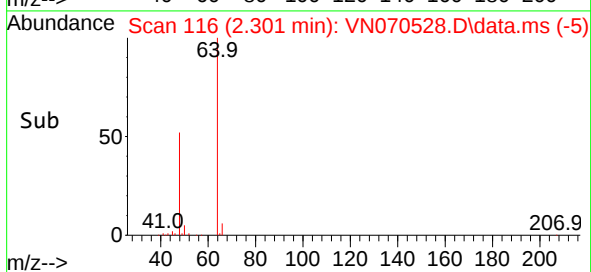
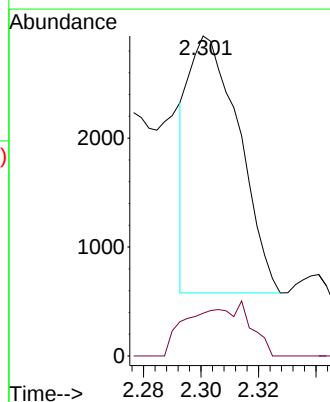
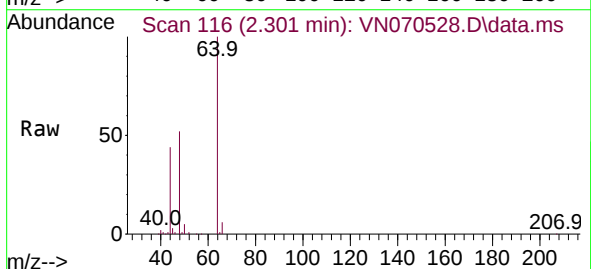
Instrument :
MSVOA_N
ClientSampleId :

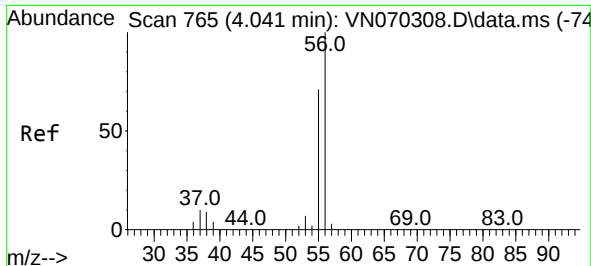
Tgt Ion:168 Resp: 878080
Ion Ratio Lower Upper
168 100
99 57.3 41.3 61.9



#3
Chloromethane
Concen: 0.213 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

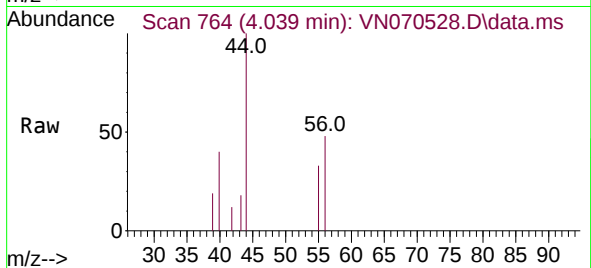
Tgt Ion: 50 Resp: 2890
Ion Ratio Lower Upper
50 100
52 16.7 25.4 38.0#



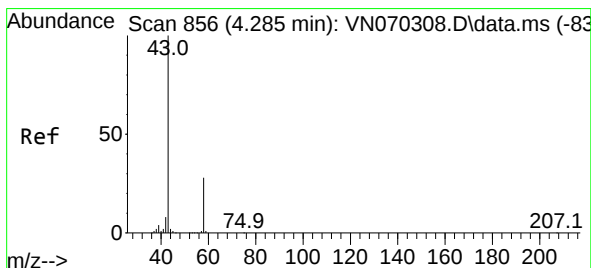
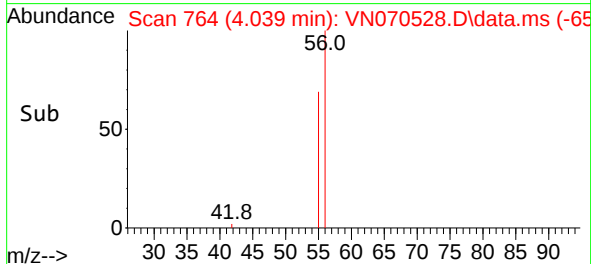
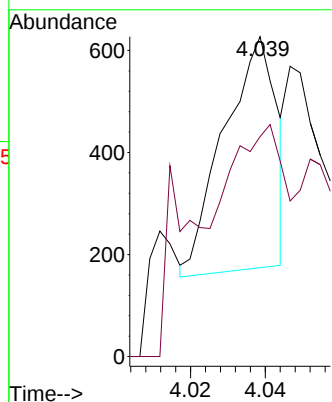


#13
Acrolein
Concen: 0.260 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.002 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

Instrument :
MSVOA_N
ClientSampleId :

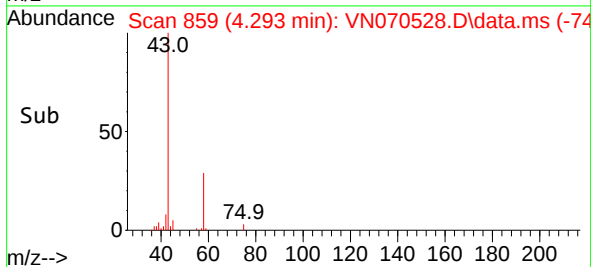
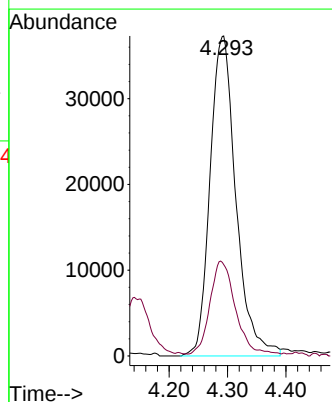
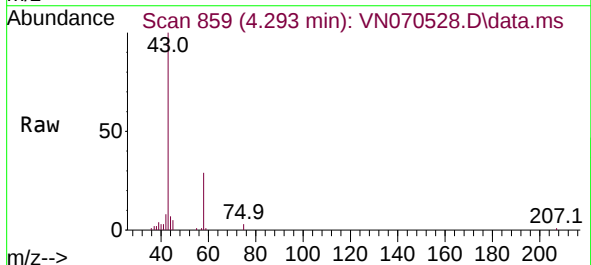


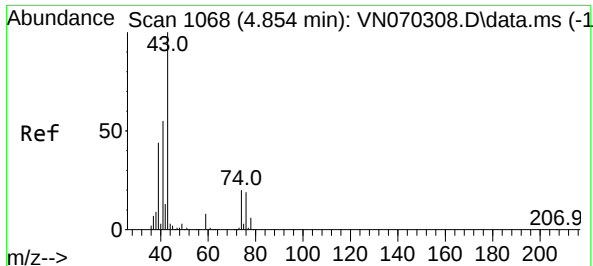
Tgt Ion: 56 Resp: 444
Ion Ratio Lower Upper
56 100
55 55.4 56.6 85.0#



#16
Acetone
Concen: 14.018 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

Tgt Ion: 43 Resp: 114883
Ion Ratio Lower Upper
43 100
58 27.8 23.1 34.7





#18

Methyl Acetate

Concen: 1.158 ug/l

RT: 4.865 min Scan# 1107

Delta R.T. 0.011 min

Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

Instrument :

MSVOA_N

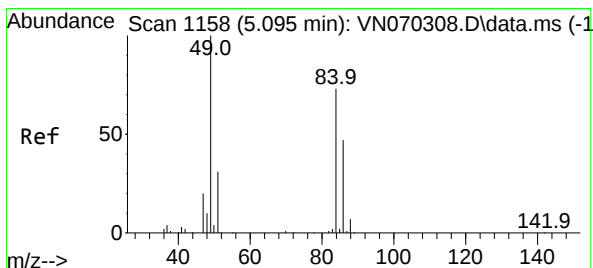
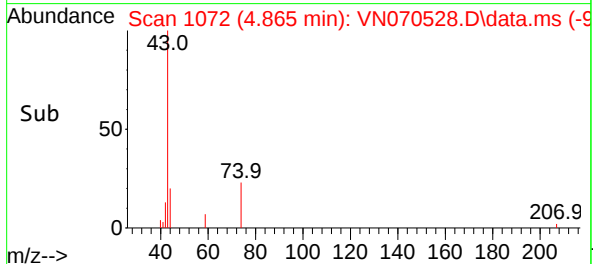
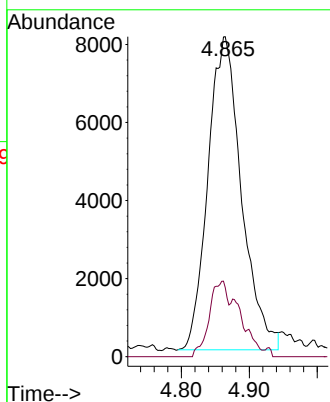
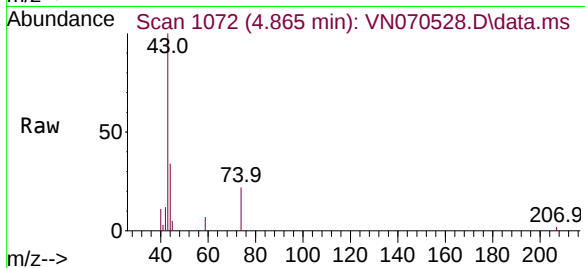
ClientSampleId :

Tgt Ion: 43 Resp: 27452

Ion Ratio Lower Upper

43 100

74 13.1 19.4 29.2#



#20

Methylene Chloride

Concen: 5.657 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.002 min

Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

Tgt Ion: 84 Resp: 64146

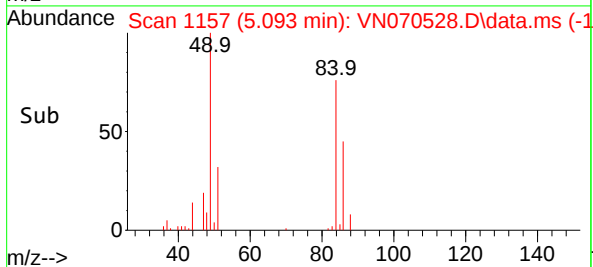
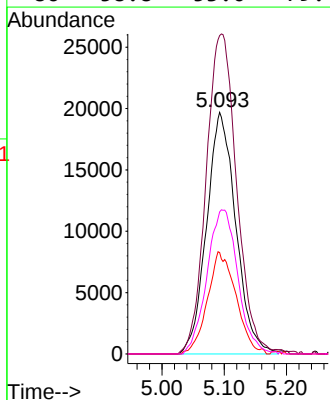
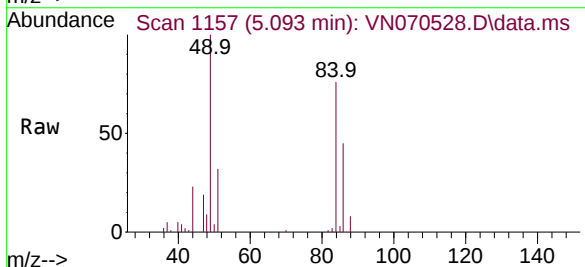
Ion Ratio Lower Upper

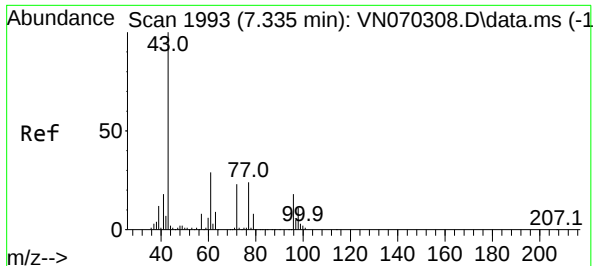
84 100

49 131.8 93.5 140.3

51 42.0 29.4 44.2

86 58.8 53.0 79.4





#25

2-Butanone

Concen: 1.742 ug/l

RT: 7.345 min Scan# 1993

Delta R.T. 0.010 min

Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

Instrument :

MSVOA_N

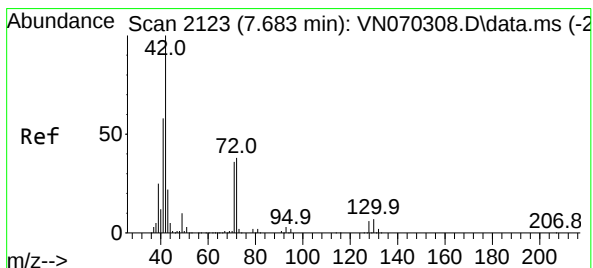
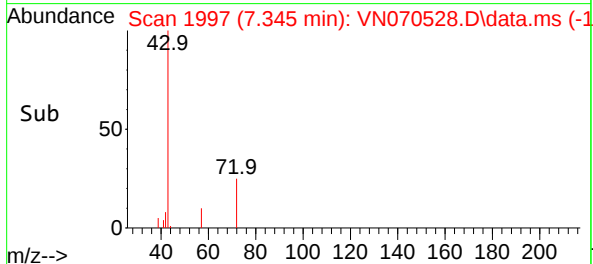
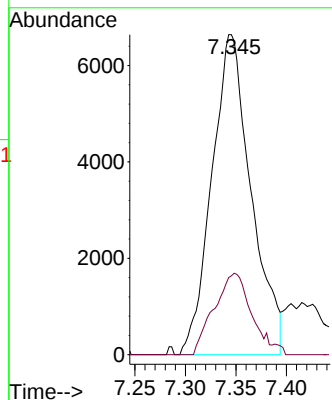
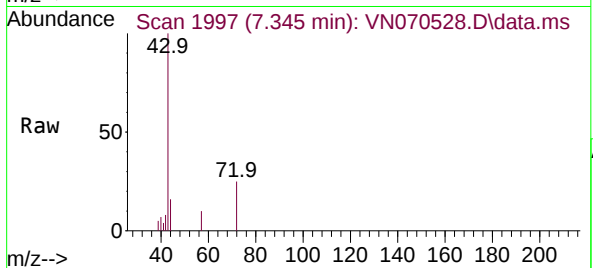
ClientSampleId :

Tgt Ion: 43 Resp: 17979

Ion Ratio Lower Upper

43 100

72 24.7 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.523 ug/l

RT: 7.708 min Scan# 2132

Delta R.T. 0.025 min

Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

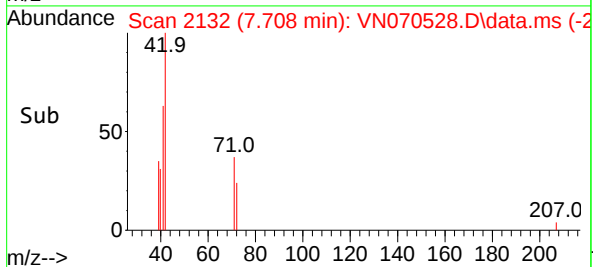
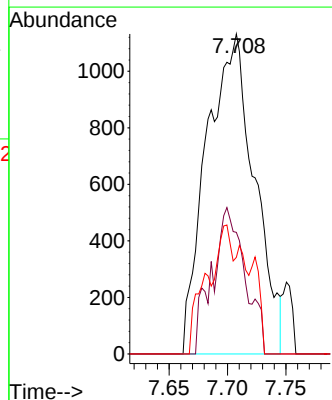
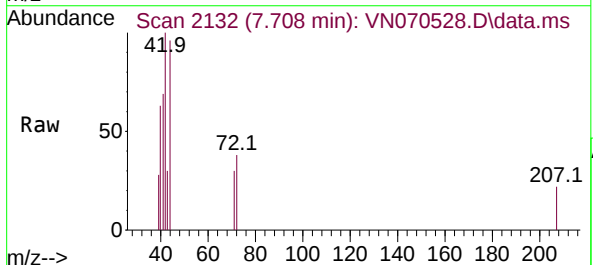
Tgt Ion: 42 Resp: 3219

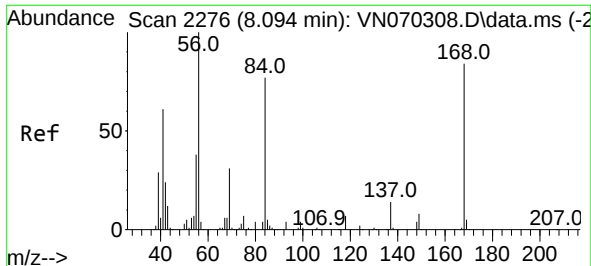
Ion Ratio Lower Upper

42 100

72 29.0 36.3 54.5#

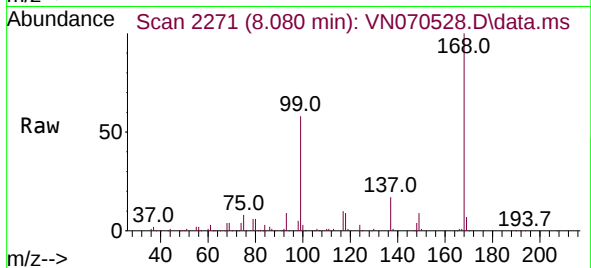
71 5.9 34.7 52.1#



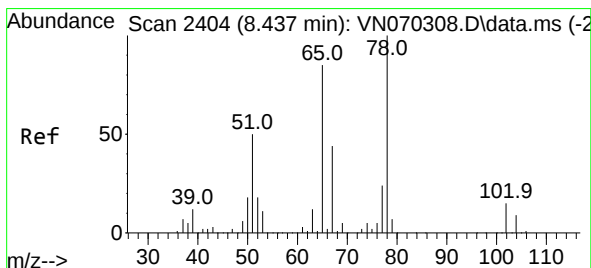
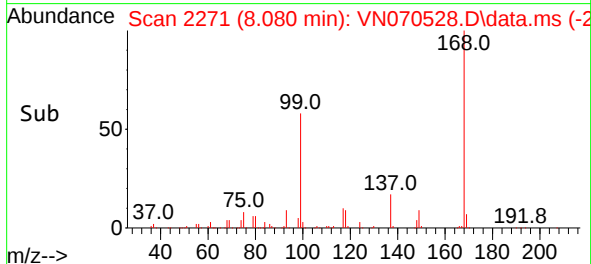
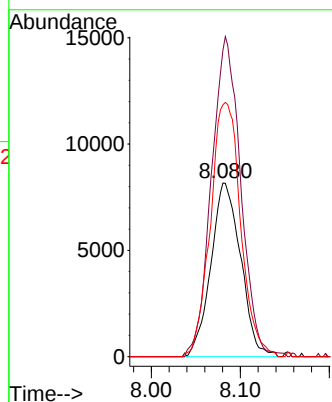


#31
Cyclohexane
Concen: 0.952 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.014 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

Instrument :
MSVOA_N
ClientSampleId :

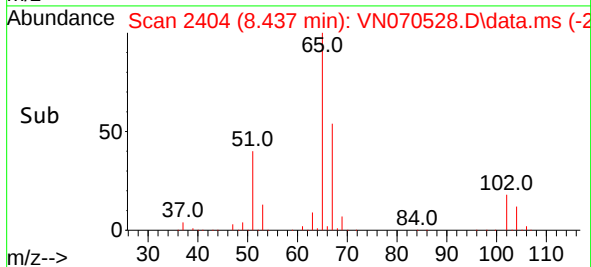
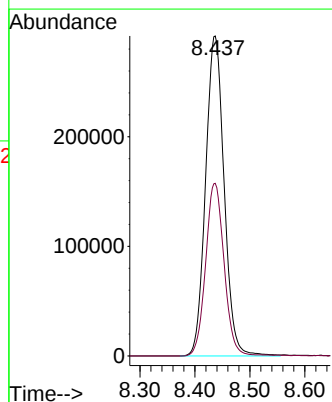
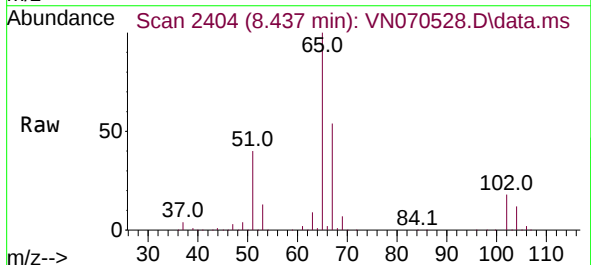


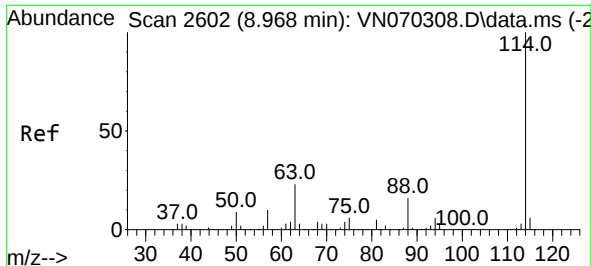
Tgt Ion: 56 Resp: 18975
Ion Ratio Lower Upper
56 100
69 176.5 27.1 40.7#
84 145.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.280 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

Tgt Ion: 65 Resp: 685287
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

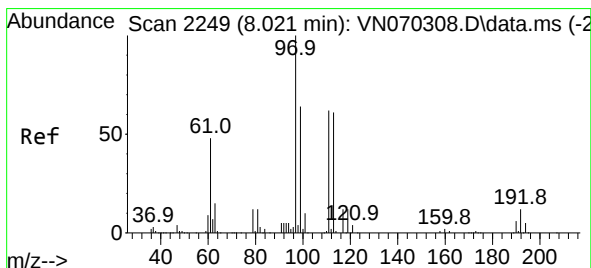
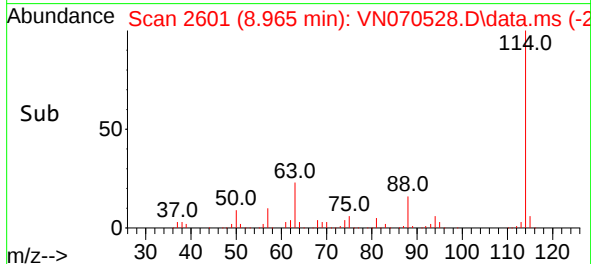
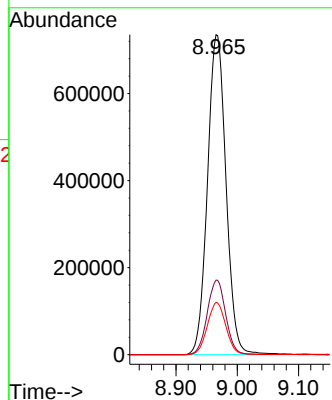
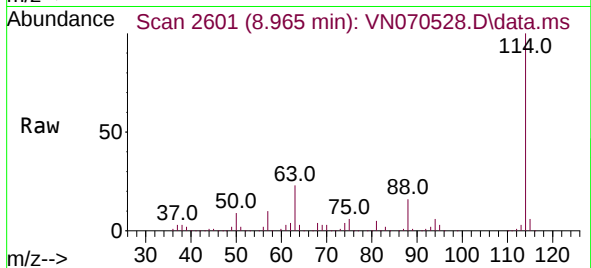
Tgt Ion:114 Resp: 1545391

Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 51.408 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

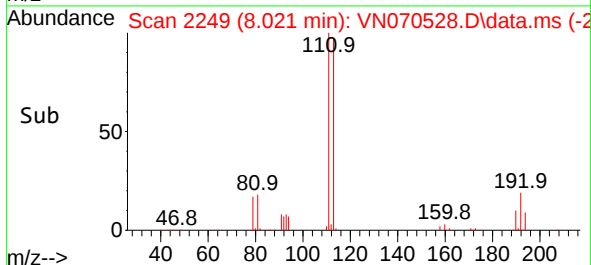
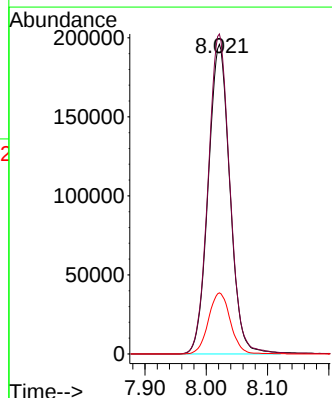
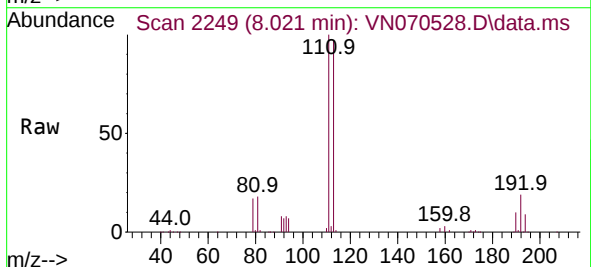
Tgt Ion:113 Resp: 480689

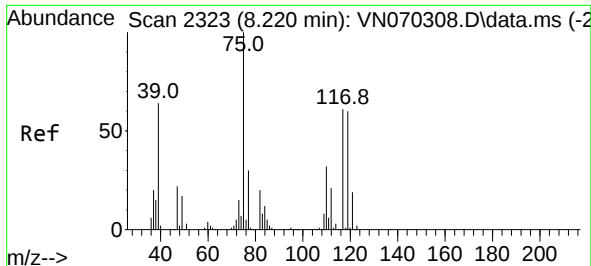
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

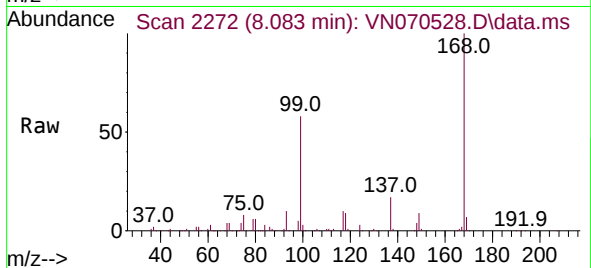
192 20.0 16.9 25.3



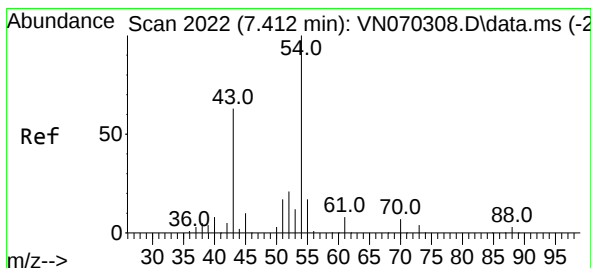
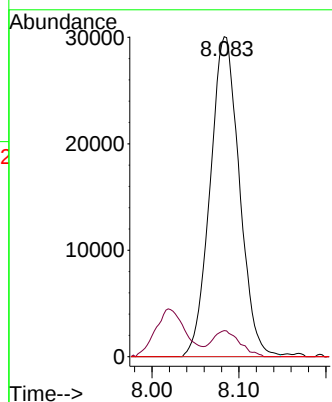
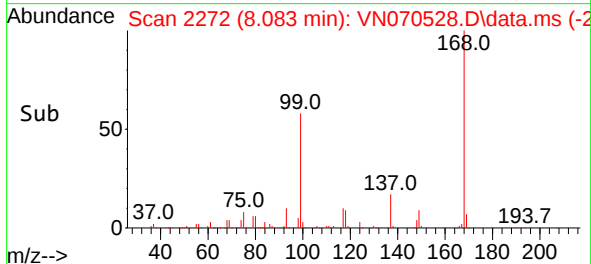


#36
 1,1-Dichloropropene
 Concen: 4.540 ug/l
 RT: 8.083 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070528.D
 Acq: 6 Jan 2022 18:59

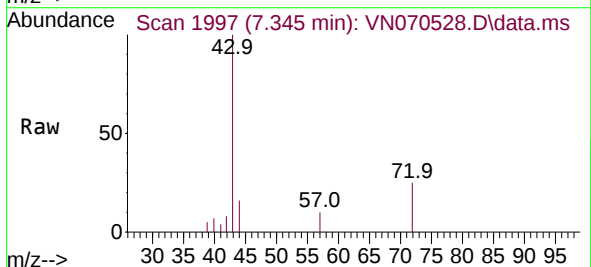
Instrument :
 MSVOA_N
 ClientSampleId :



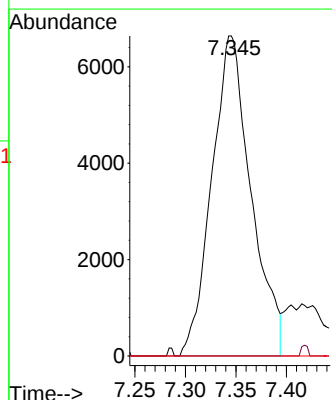
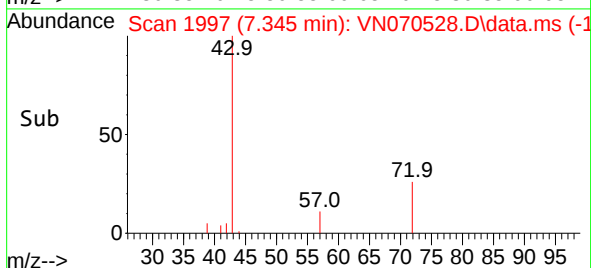
Tgt Ion: 75 Resp: 70230
 Ion Ratio Lower Upper
 75 100
 110 7.6 18.4 55.2#
 77 0.0 24.4 36.6#

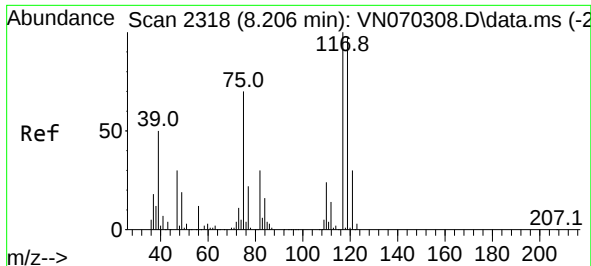


#37
 Ethyl Acetate
 Concen: 0.897 ug/l
 RT: 7.345 min Scan# 1997
 Delta R.T. -0.067 min
 Lab File: VN070528.D
 Acq: 6 Jan 2022 18:59



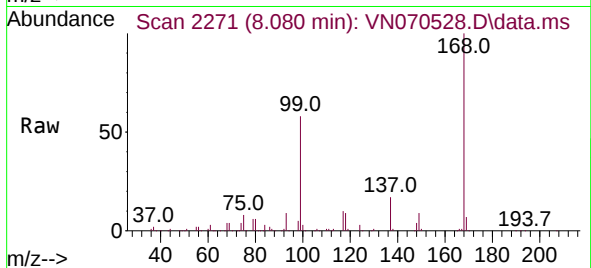
Tgt Ion: 43 Resp: 17979
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 7.9 11.9#



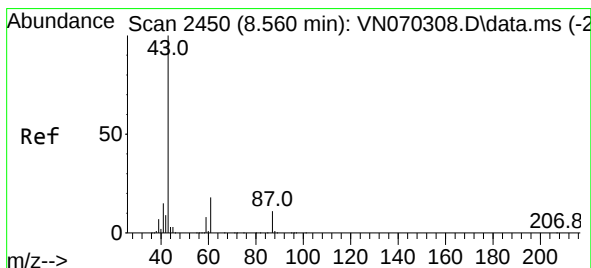
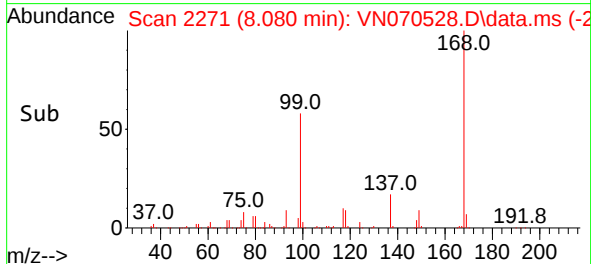
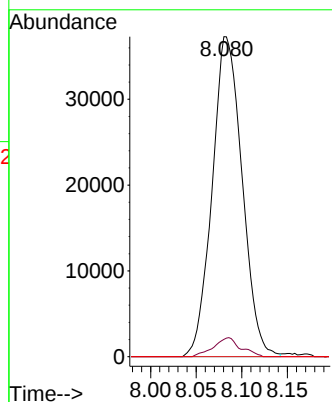


#38
Carbon Tetrachloride
Concen: 5.767 ug/l
RT: 8.080 min Scan# 211
Delta R.T. -0.126 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

Instrument :
MSVOA_N
ClientSampleId :

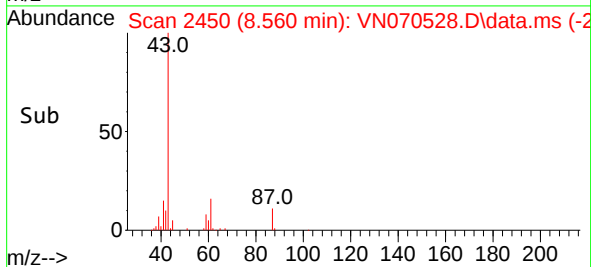
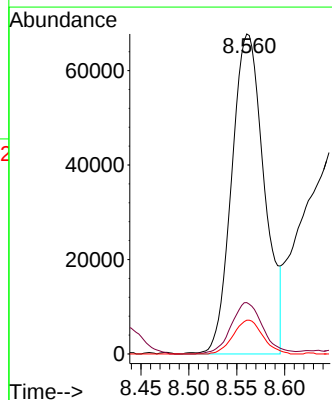
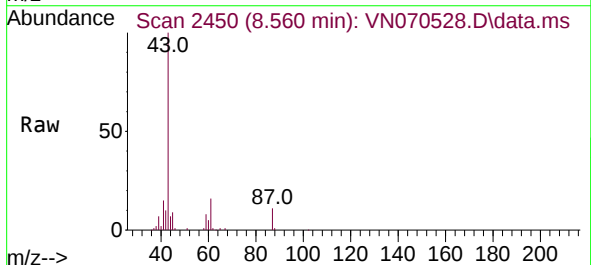


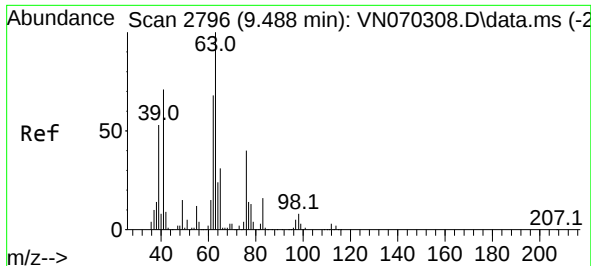
Tgt Ion:117 Resp: 85181
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 5.066 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

Tgt Ion: 43 Resp: 160146
Ion Ratio Lower Upper
43 100
61 15.6 20.4 30.6#
87 9.6 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.731 ug/l

RT: 9.620 min Scan# 2845

Delta R.T. 0.132 min

Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

Instrument :

MSVOA_N

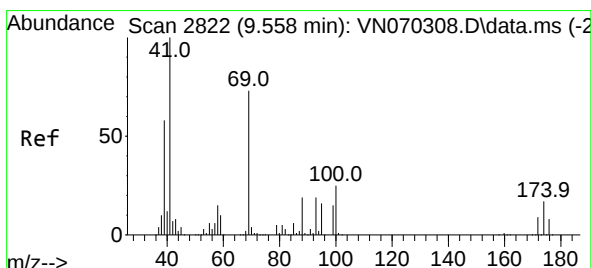
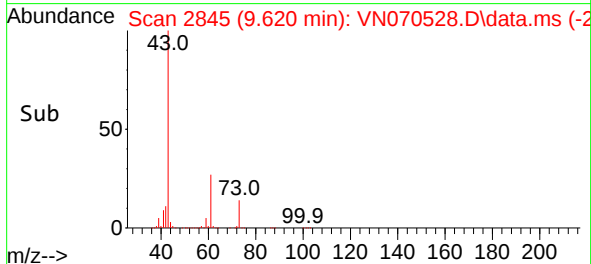
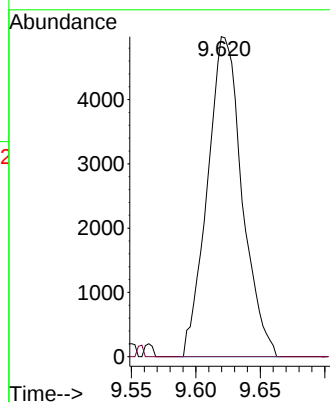
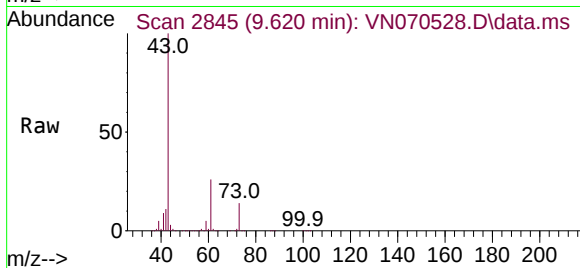
ClientSampleId :

Tgt Ion: 63 Resp: 9335

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 2.603 ug/l

RT: 9.542 min Scan# 2816

Delta R.T. -0.016 min

Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

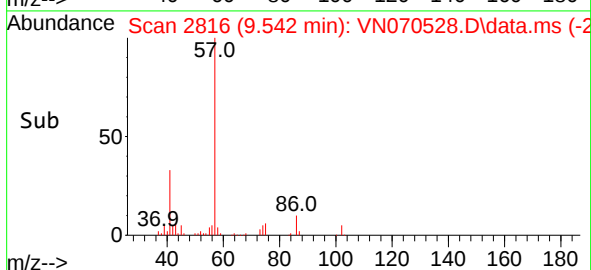
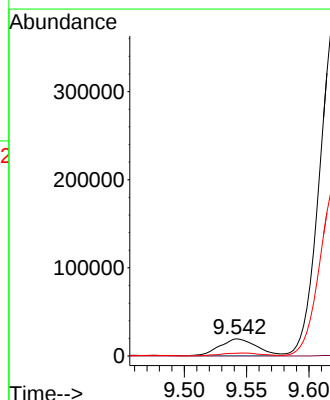
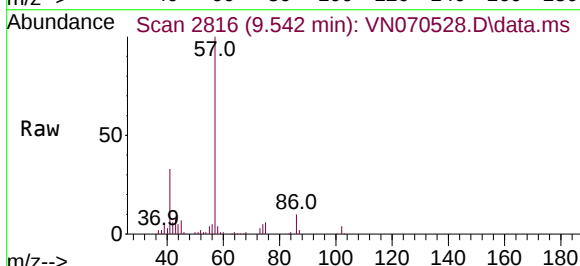
Tgt Ion: 41 Resp: 39251

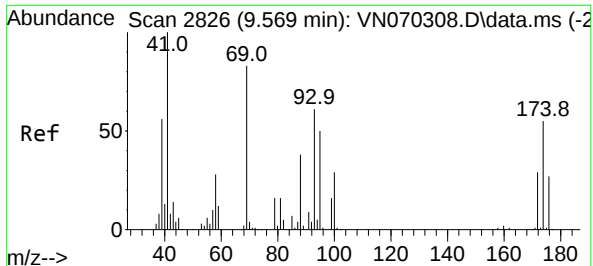
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 0.489 ug/l

RT: 9.566 min Scan# 2826

Delta R.T. -0.003 min

Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

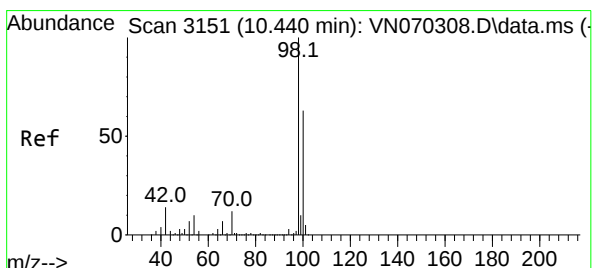
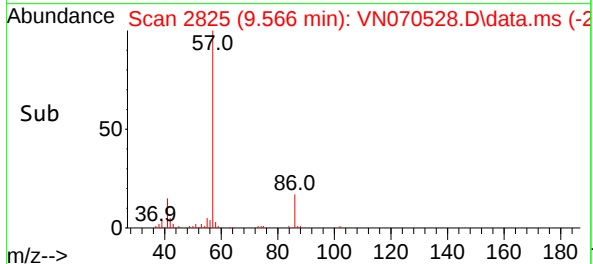
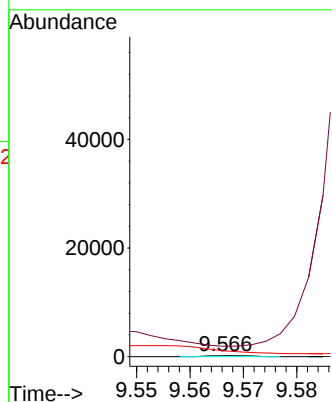
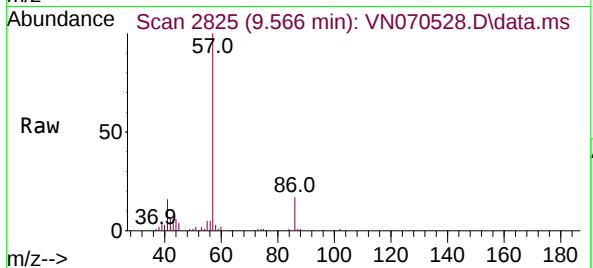
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 51.928 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070528.D

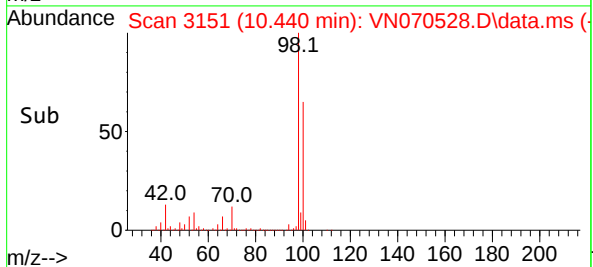
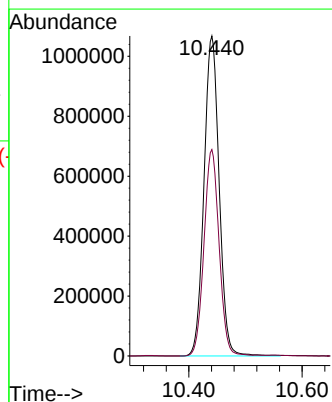
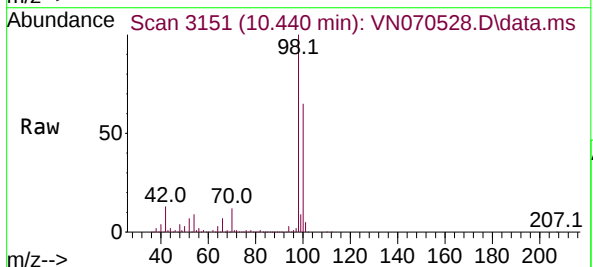
Acq: 6 Jan 2022 18:59

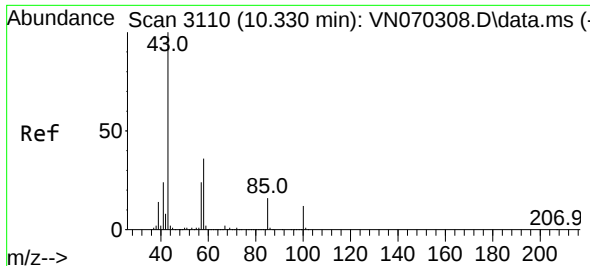
Tgt Ion: 98 Resp: 1983518

Ion Ratio Lower Upper

98 100

100 64.2 50.4 75.6

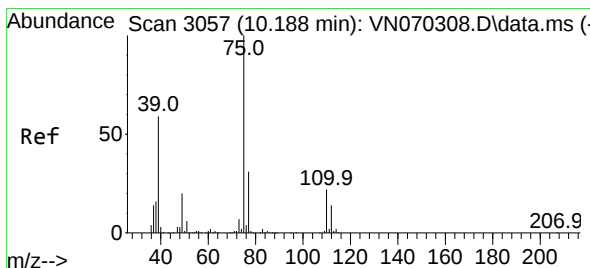
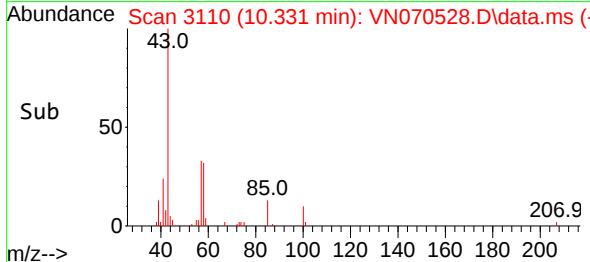
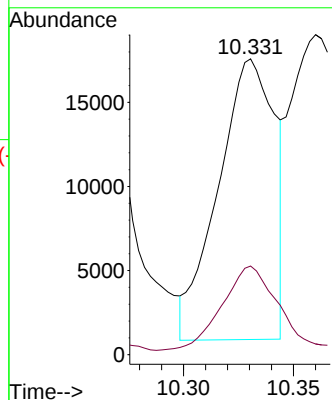
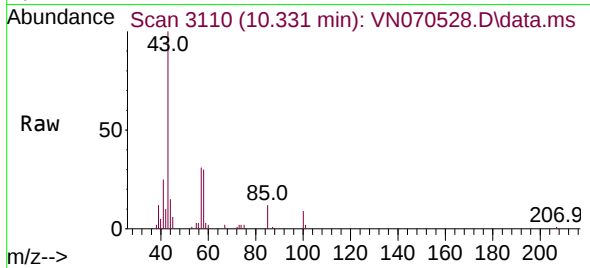




#51
4-Methyl-2-Pentanone
Concen: 1.504 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.001 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

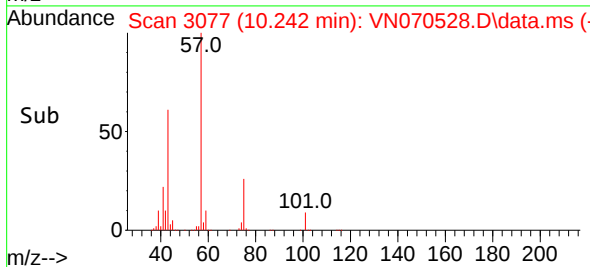
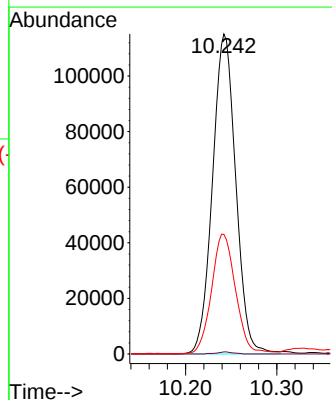
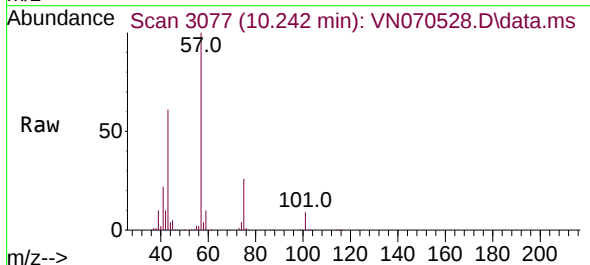
Instrument :
MSVOA_N
ClientSampleId :

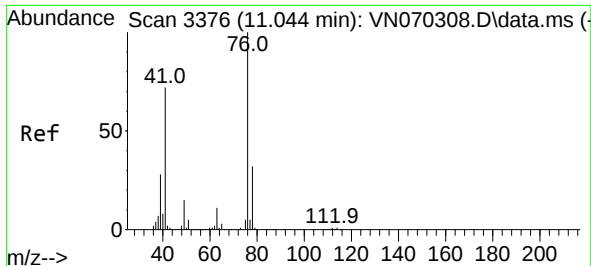
Tgt Ion: 43 Resp: 29865
Ion Ratio Lower Upper
43 100
58 31.9 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 11.054 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.054 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

Tgt Ion: 75 Resp: 204079
Ion Ratio Lower Upper
75 100
77 0.7 26.4 39.6#
39 37.3 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 6.027 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.045 min

Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

Instrument :

MSVOA_N

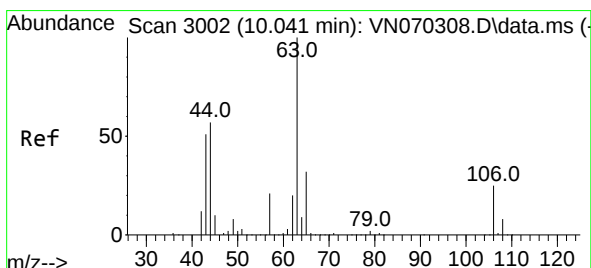
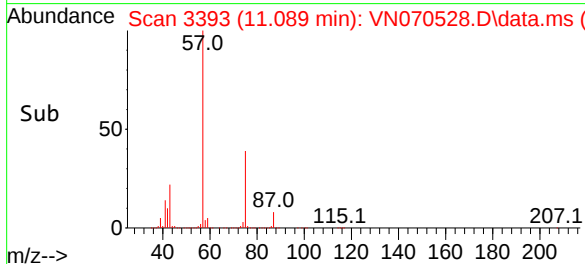
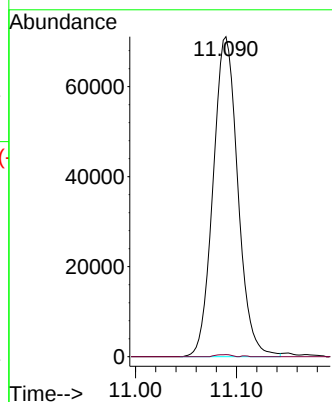
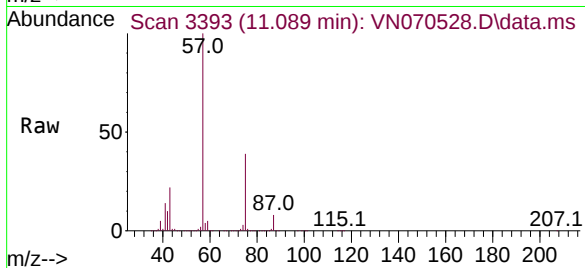
ClientSampleId :

Tgt Ion: 76 Resp: 121062

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 18.523 ug/l

RT: 10.255 min Scan# 3082

Delta R.T. 0.214 min

Lab File: VN070528.D

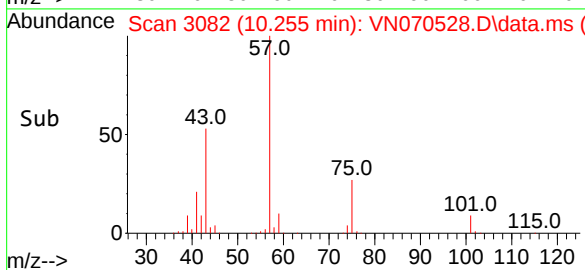
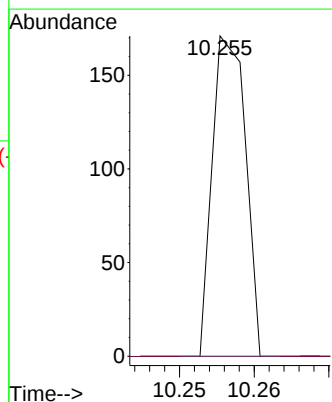
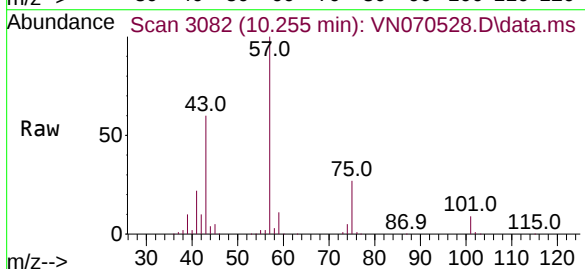
Acq: 6 Jan 2022 18:59

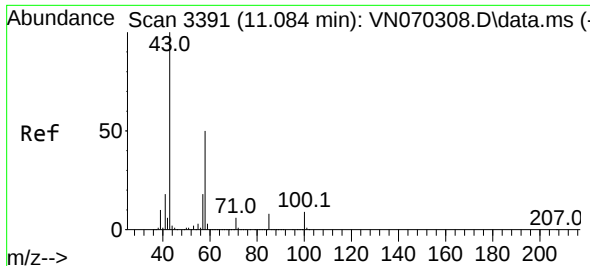
Tgt Ion: 63 Resp: 53

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

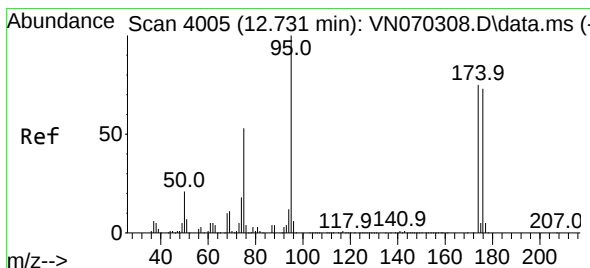
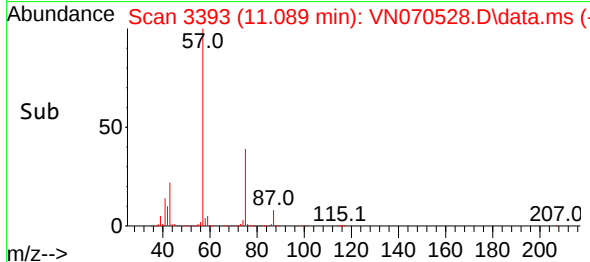
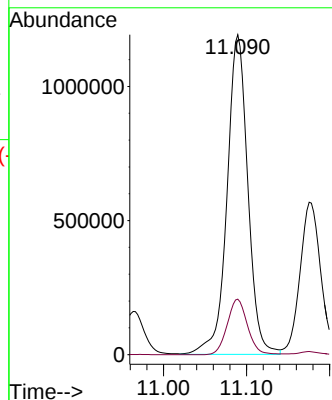
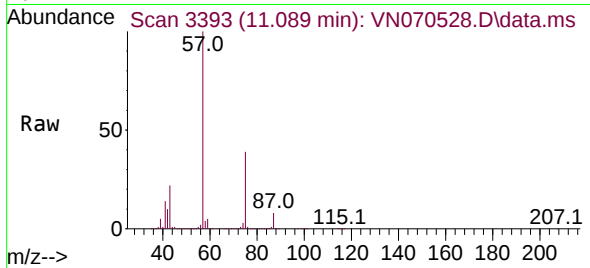




#59
2-Hexanone
Concen: 143.258 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

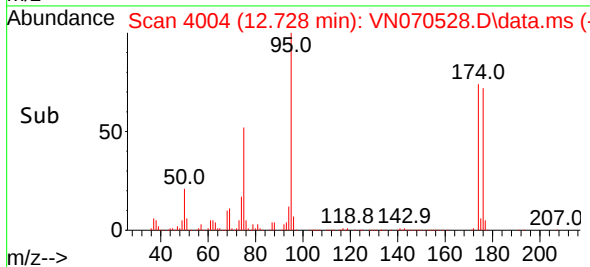
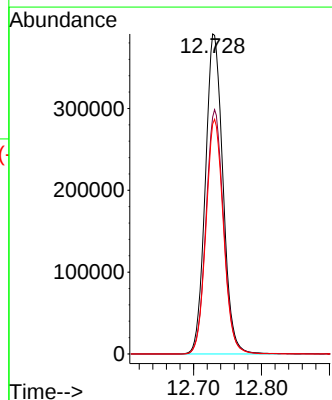
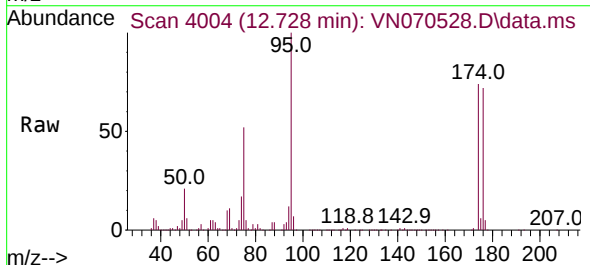
Instrument :
MSVOA_N
ClientSampleId :

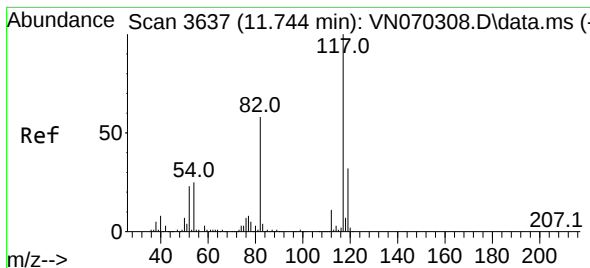
Tgt Ion: 43 Resp: 2075110
Ion Ratio Lower Upper
43 100
58 16.9 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.915 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

Tgt Ion: 95 Resp: 702426
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 72.8 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.000 min

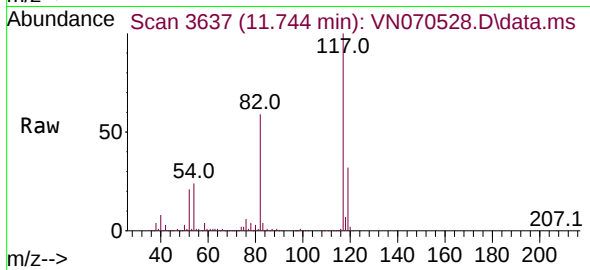
Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :



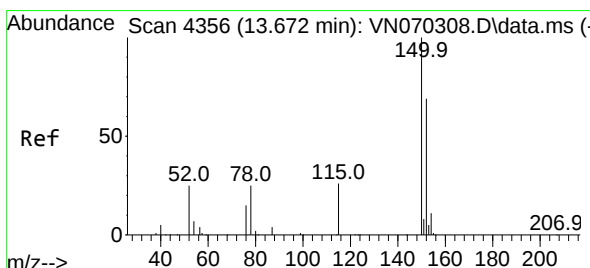
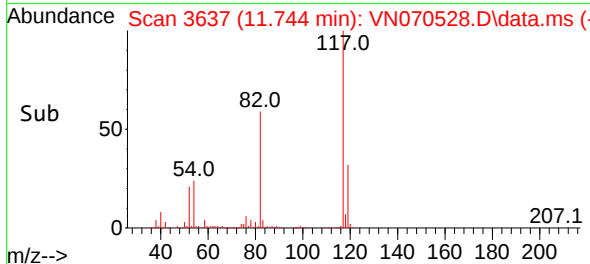
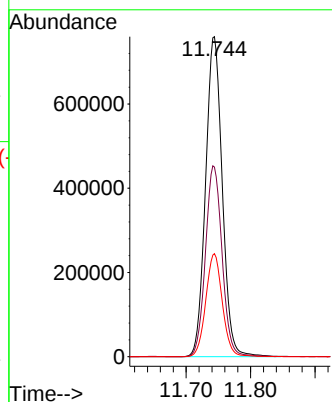
Tgt Ion:117 Resp: 1368086

Ion Ratio Lower Upper

117 100

82 59.2 42.4 63.6

119 32.2 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 4357

Delta R.T. 0.003 min

Lab File: VN070528.D

Acq: 6 Jan 2022 18:59

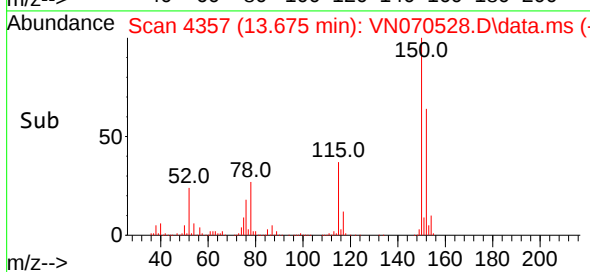
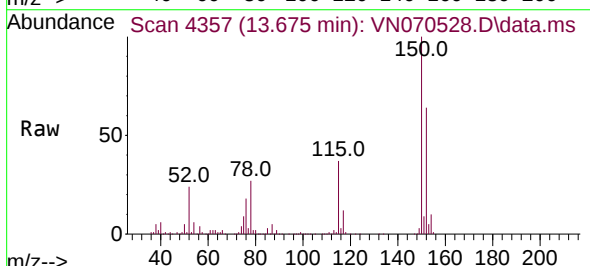
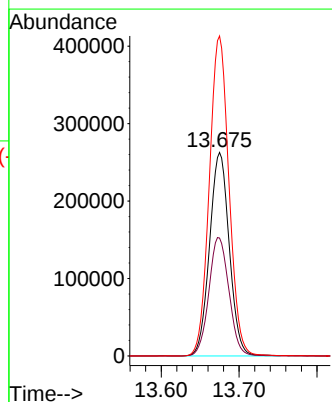
Tgt Ion:152 Resp: 462100

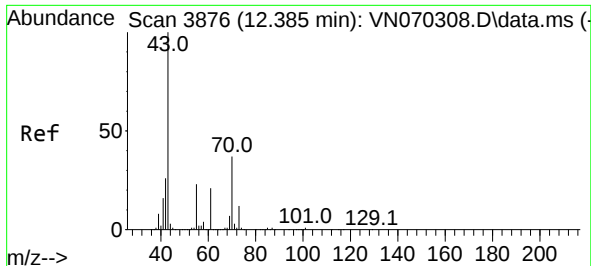
Ion Ratio Lower Upper

152 100

115 59.3 27.5 82.5

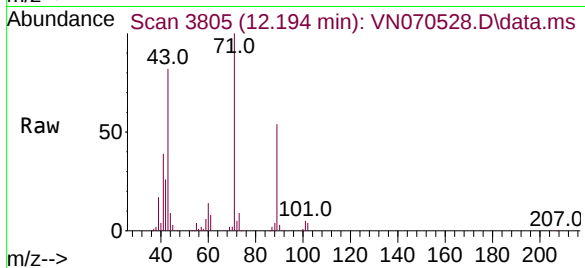
150 156.4 0.0 344.4



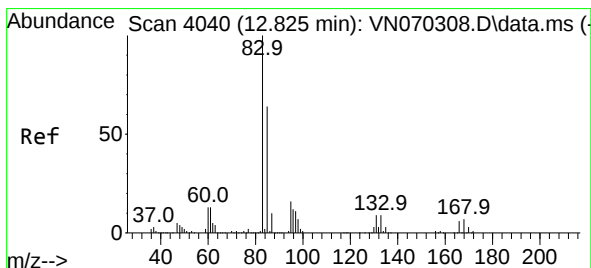
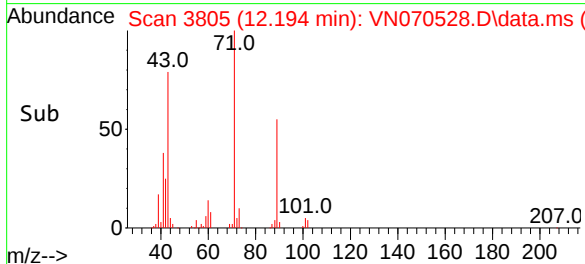
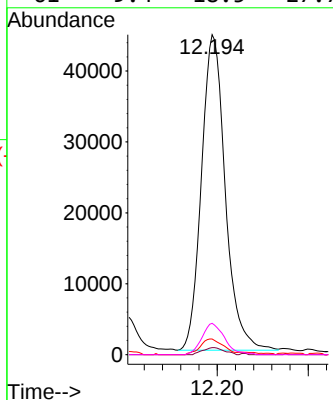


#74
N-amy1 acetate
Concen: 4.475 ug/l
RT: 12.194 min Scan# 3876
Delta R.T. -0.191 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

Instrument :
MSVOA_N
ClientSampleId :

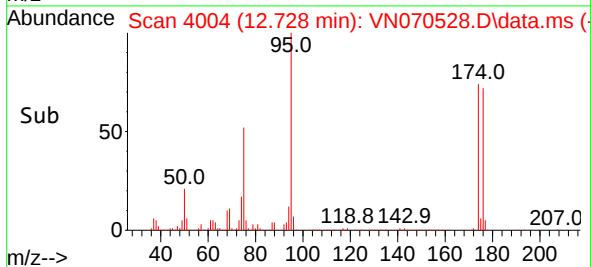
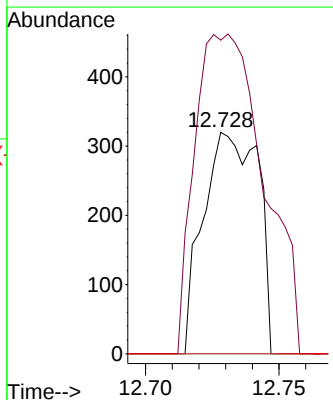
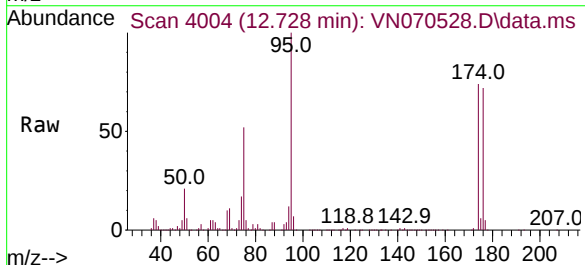


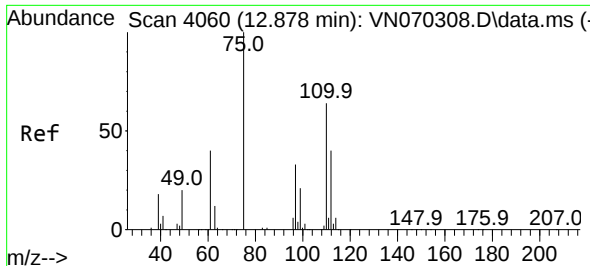
Tgt Ion:	43	Resp:	80743
Ion	Ratio	Lower	Upper
43	100		
70	2.0	33.4	50.0#
55	4.8	19.3	28.9#
61	9.4	18.5	27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.476 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.097 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

Tgt Ion:	83	Resp:	459
Ion	Ratio	Lower	Upper
83	100		
131	180.8	5.5	16.5#
85	0.0	32.4	97.2#

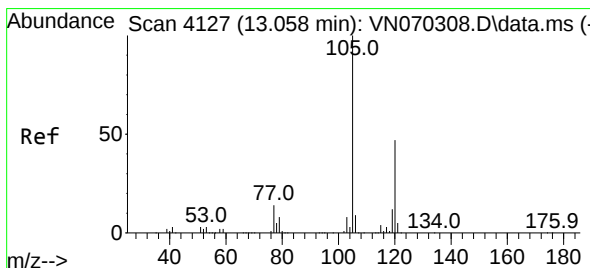
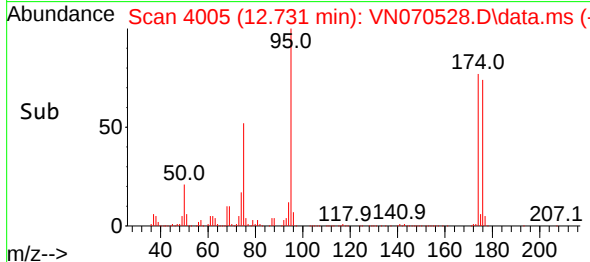
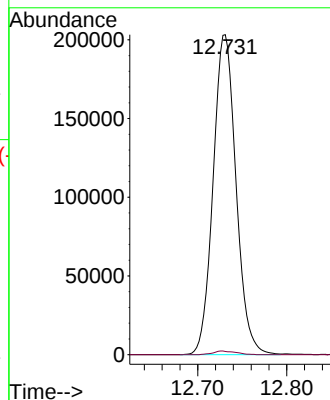
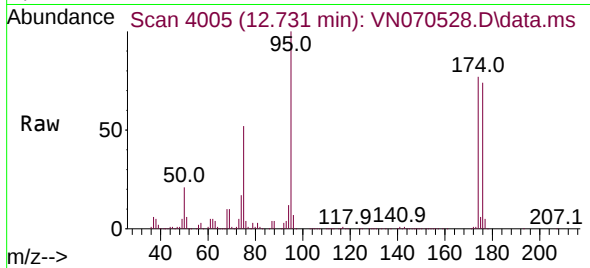




#76
 1,2,3-Trichloropropane
 Concen: 27.865 ug/l
 RT: 12.731 min Scan# 4060
 Delta R.T. -0.147 min
 Lab File: VN070528.D
 Acq: 6 Jan 2022 18:59

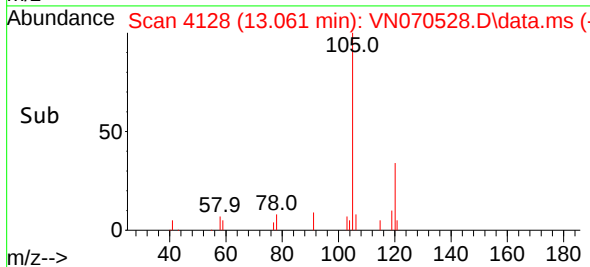
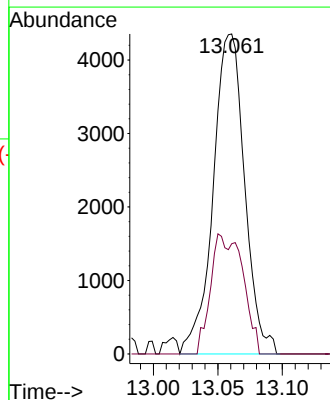
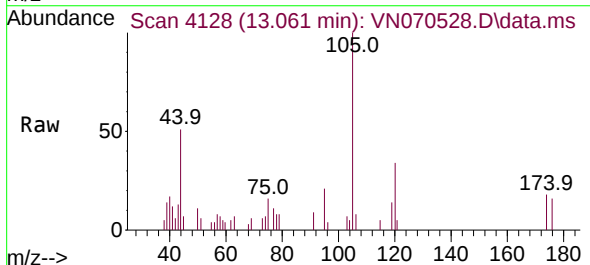
Instrument :
 MSVOA_N
 ClientSampleId :

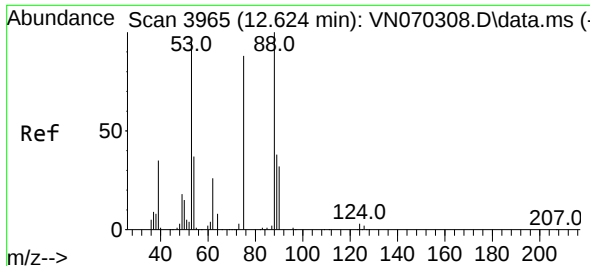
Tgt Ion: 75 Resp: 363697
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.215 ug/l
 RT: 13.061 min Scan# 4128
 Delta R.T. 0.003 min
 Lab File: VN070528.D
 Acq: 6 Jan 2022 18:59

Tgt Ion: 105 Resp: 7399
 Ion Ratio Lower Upper
 105 100
 120 21.1 24.6 73.6#

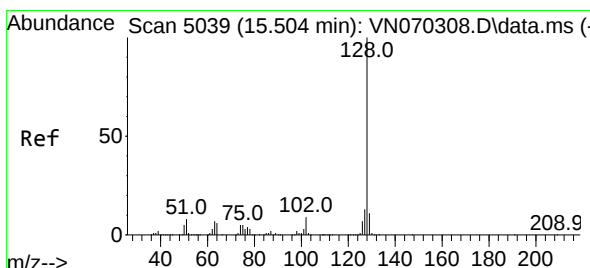
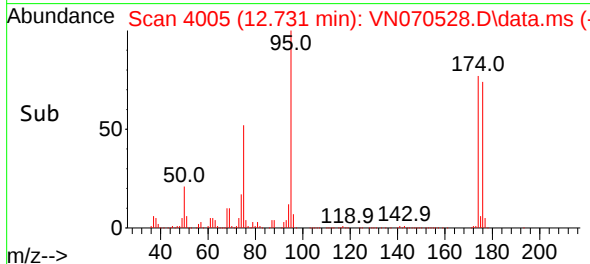
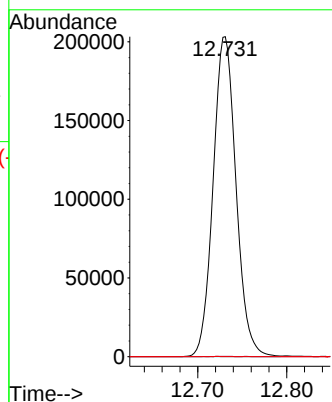
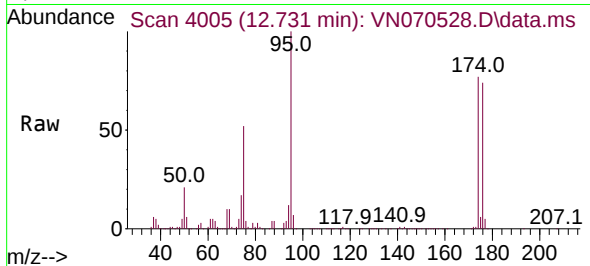




#81
trans-1,4-Dichloro-2-butene
Concen: 96.160 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

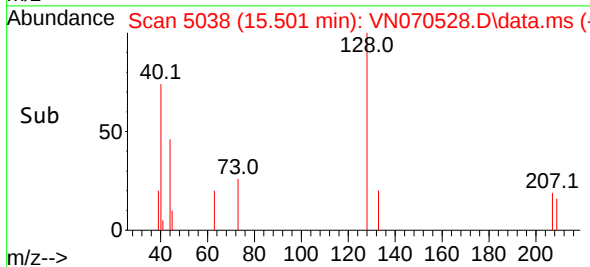
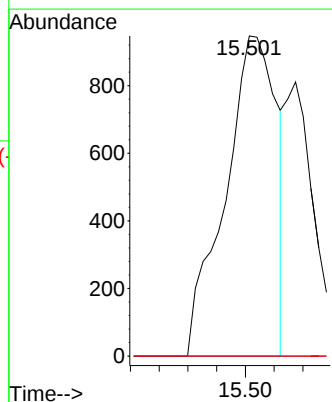
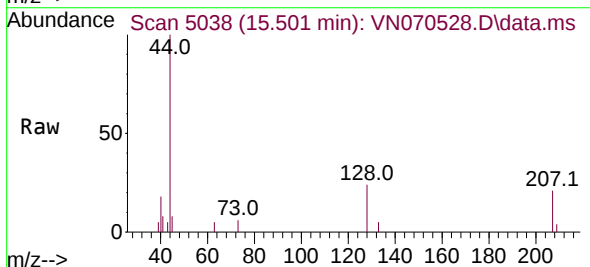
Instrument :
MSVOA_N
ClientSampleId :

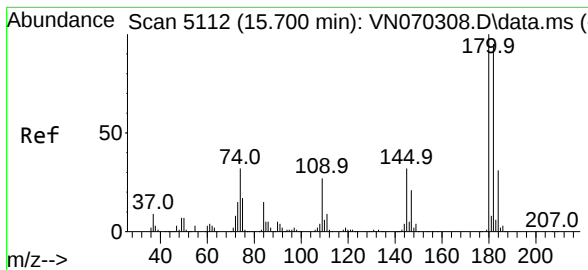
Tgt Ion: 75 Resp: 363697
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.851 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070528.D
Acq: 6 Jan 2022 18:59

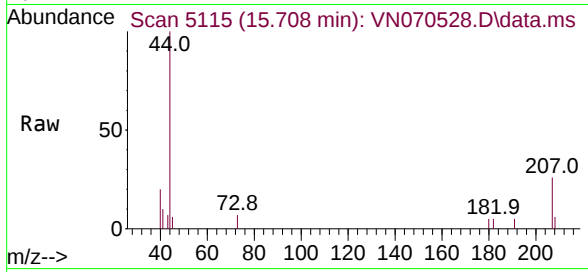
Tgt Ion: 128 Resp: 1179
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.834 ug/l
 RT: 15.708 min Scan# 51
 Delta R.T. 0.008 min
 Lab File: VN070528.D
 Acq: 6 Jan 2022 18:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 56
 Ion Ratio Lower Upper
 180 100
 182 148.2 47.4 142.2#
 145 0.0 15.0 45.1#

