

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031922\
 Data File : VN071405.D
 Acq On : 19 Mar 2022 18:07
 Operator : JC\MD
 Sample : N1962-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C-12-12-14

Quant Time: Mar 21 05:53:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

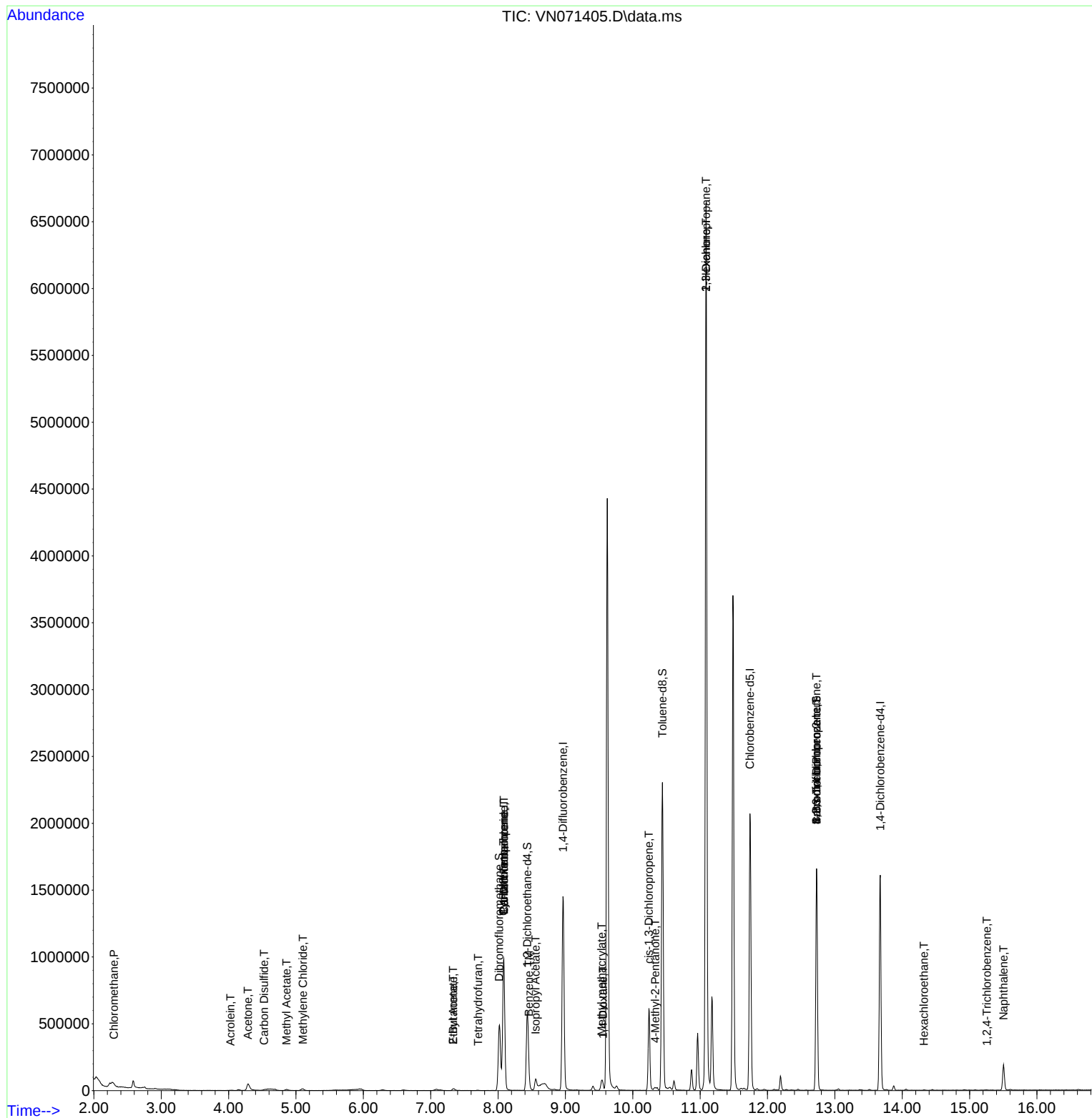
Internal Standards						
1) Pentafluorobenzene	8.086	168	745415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1262304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1202211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	437530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	485836	47.556	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.120%		
35) Dibromofluoromethane	8.016	113	367370	46.120	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.240%		
50) Toluene-d8	10.439	98	1590803	49.601	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.200%		
62) 4-Bromofluorobenzene	12.727	95	583557	53.733	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.460%		
Target Compounds						Qvalue
3) Chloromethane	2.299	50	3781	0.310	ug/l #	79
5) Bromomethane	2.857	94	891	Below Cal	#	74
13) Acrolein	4.028	56	2744	1.292	ug/l	93
16) Acetone	4.287	43	89814	18.068	ug/l	98
17) Carbon Disulfide	4.528	76	9717	0.457	ug/l	99
18) Methyl Acetate	4.857	43	17670	1.781	ug/l	93
20) Methylene Chloride	5.104	84	10313	1.508	ug/l	96
25) 2-Butanone	7.334	43	25820	3.224	ug/l #	86
29) Tetrahydrofuran	7.704	42	1487	0.268	ug/l #	66
31) Cyclohexane	8.081	56	16888	1.035	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	59452	4.658	ug/l #	50
37) Ethyl Acetate	7.334	43	25820	1.470	ug/l #	68
38) Carbon Tetrachloride	8.086	117	72930	5.908	ug/l #	16
40) Benzene	8.457	78	20001	0.520	ug/l	99
43) Isopropyl Acetate	8.557	43	103455	3.939	ug/l #	81
48) Methyl methacrylate	9.539	41	25318	2.080	ug/l #	8
49) 1,4-Dioxane	9.557	88	77	0.364	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	13544	0.831	ug/l	97
54) cis-1,3-Dichloropropene	10.239	75	105522	6.823	ug/l #	63
57) 1,3-Dichloropropane	11.086	76	67599	3.969	ug/l #	43
59) 2-Hexanone	11.086	43	1066167	95.859	ug/l #	49
71) Bromoform	12.727	173	3012	0.419	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.733	83	487	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	302145	27.206	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	302145	74.650	ug/l #	5
90) Hexachloroethane	14.321	117	2027	0.333	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.257	180	63	2.998	ug/l #	84
95) Naphthalene	15.504	128	171319	12.743	ug/l	99

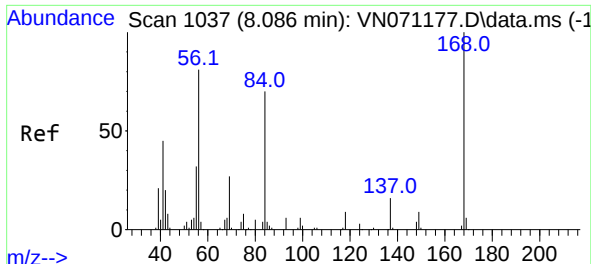
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031922\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration

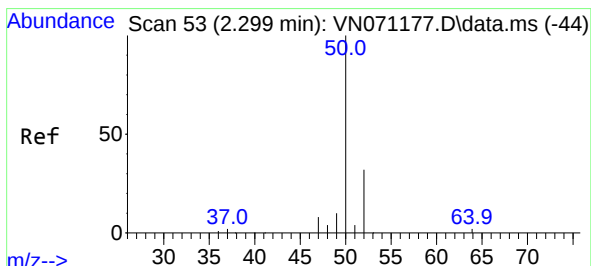
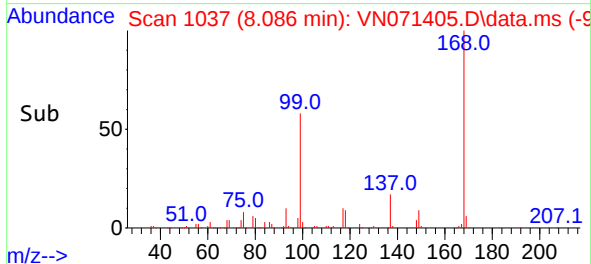
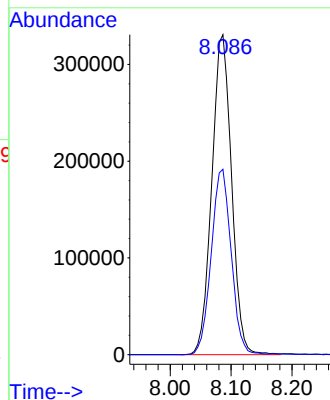
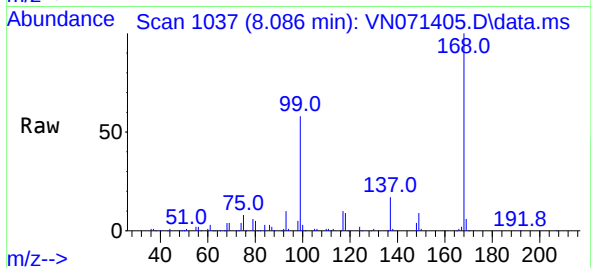




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

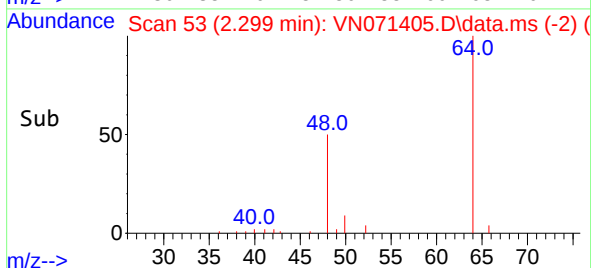
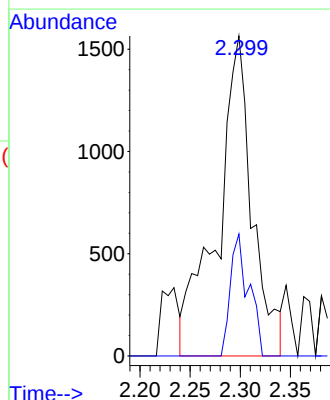
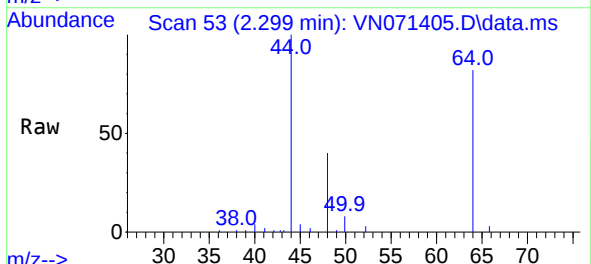
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

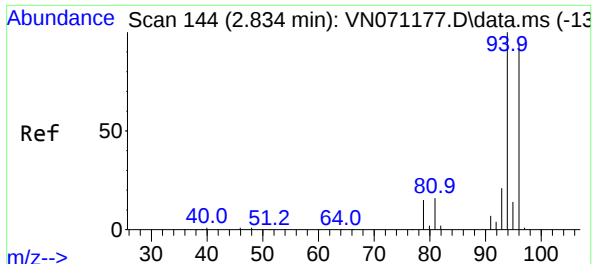
Tgt Ion:168 Resp: 745415
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#3
Chloromethane
Concen: 0.310 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion: 50 Resp: 3781
Ion Ratio Lower Upper
50 100
52 43.4 25.4 38.0#

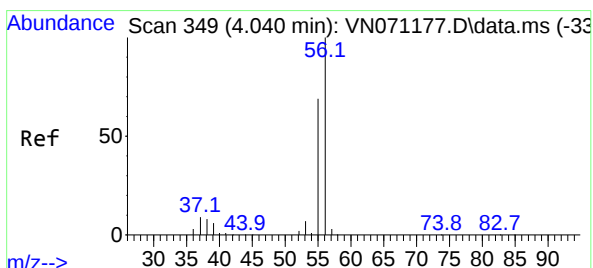
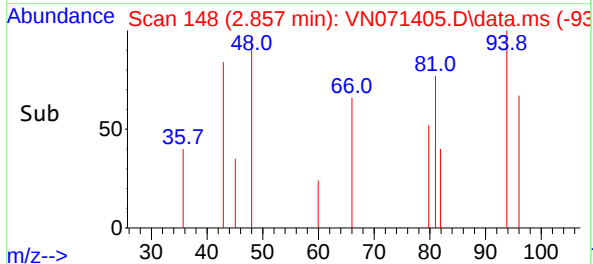
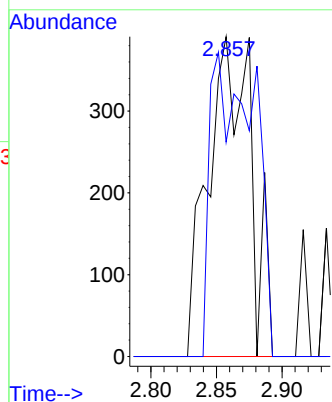
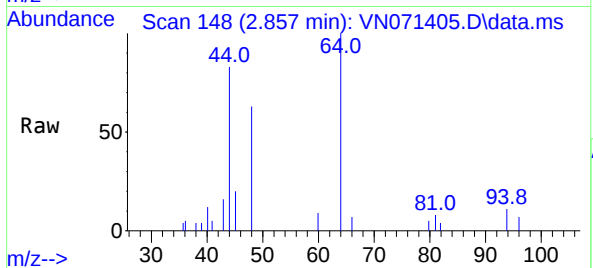




#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 14
Delta R.T. 0.023 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

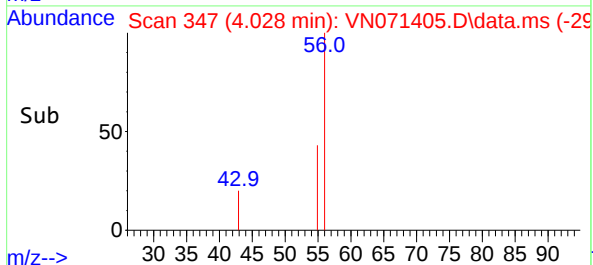
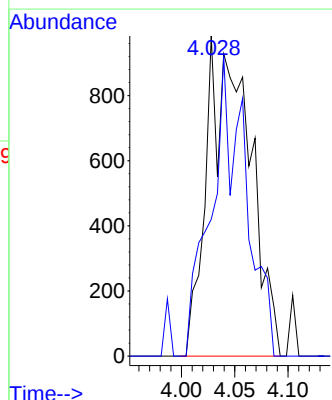
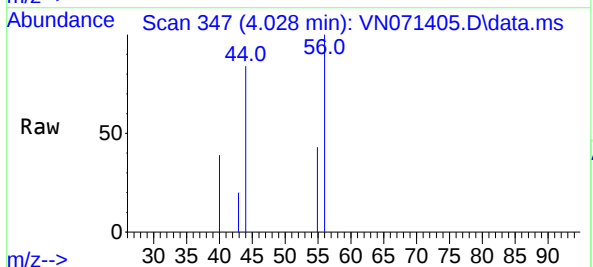
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

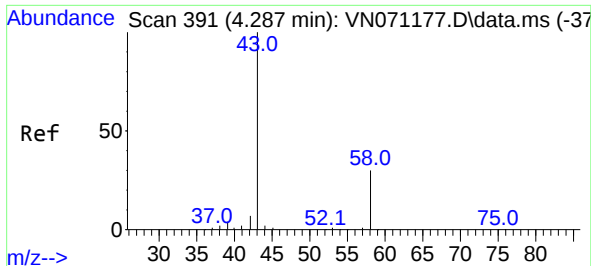
Tgt Ion: 94 Resp: 891
Ion Ratio Lower Upper
94 100
96 67.0 73.8 110.8#



#13
Acrolein
Concen: 1.292 ug/l
RT: 4.028 min Scan# 347
Delta R.T. -0.012 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion: 56 Resp: 2744
Ion Ratio Lower Upper
56 100
55 76.4 56.6 85.0

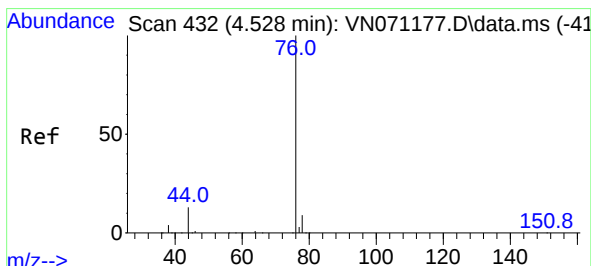
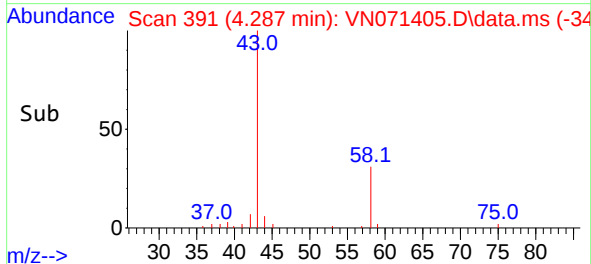
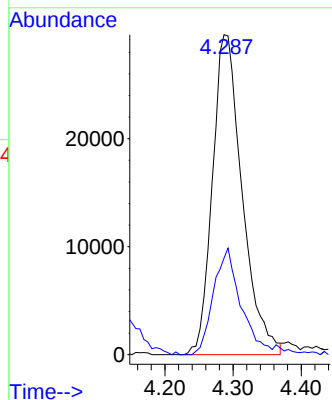
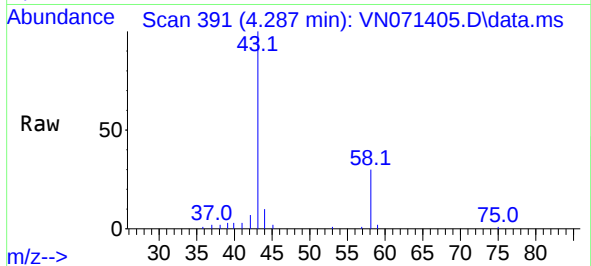




#16
Acetone
Concen: 18.068 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.000 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

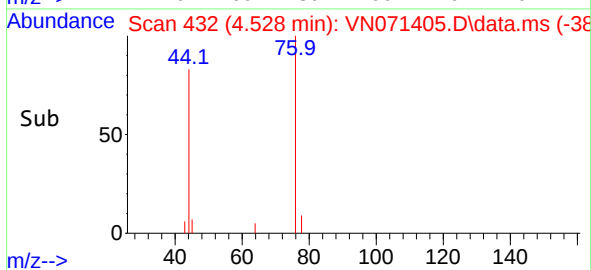
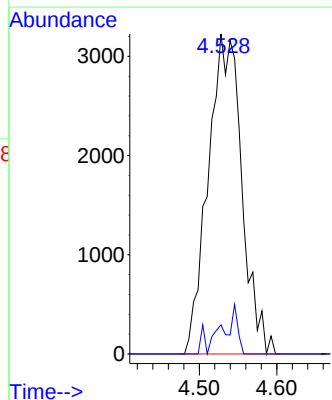
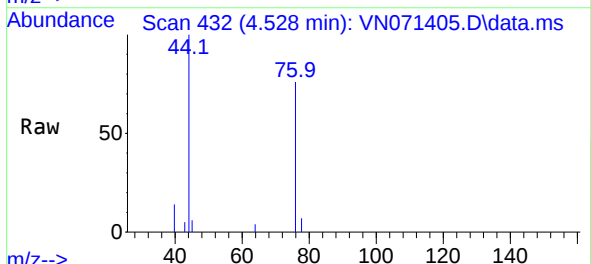
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

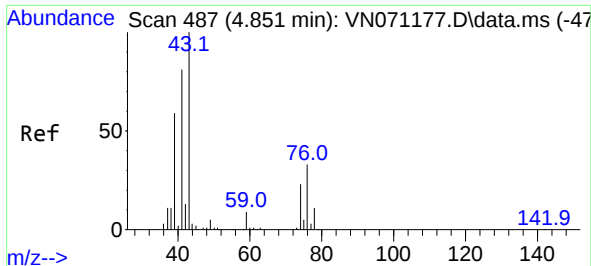
Tgt Ion: 43 Resp: 89814
Ion Ratio Lower Upper
43 100
58 30.2 23.1 34.7



#17
Carbon Disulfide
Concen: 0.457 ug/l
RT: 4.528 min Scan# 432
Delta R.T. 0.000 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion: 76 Resp: 9717
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3

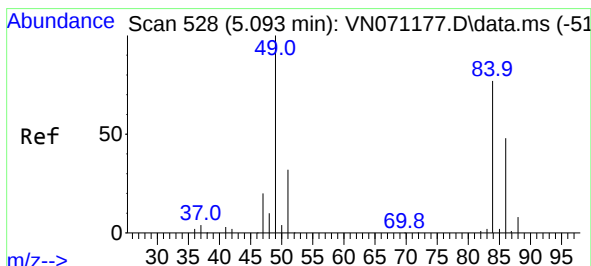
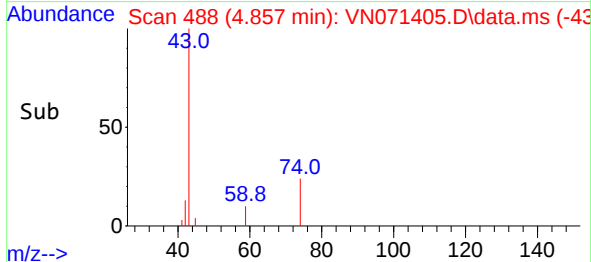
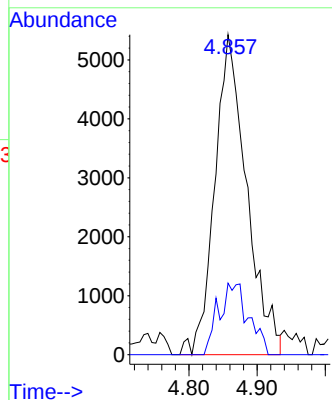
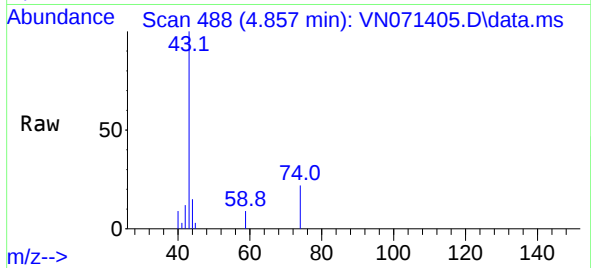




#18
Methyl Acetate
Concen: 1.781 ug/l
RT: 4.857 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

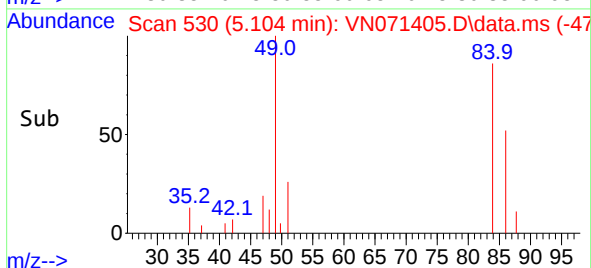
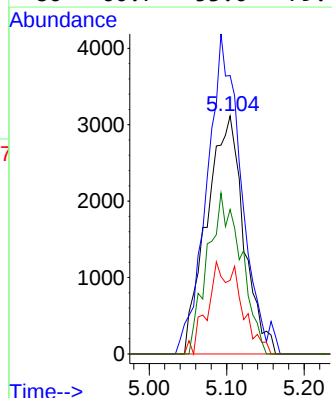
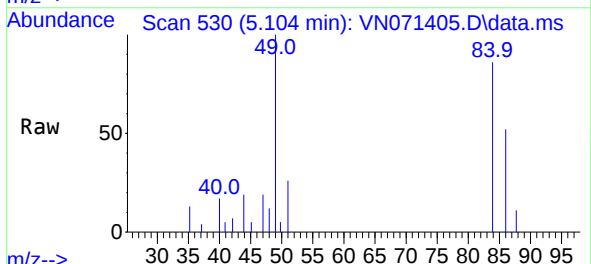
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

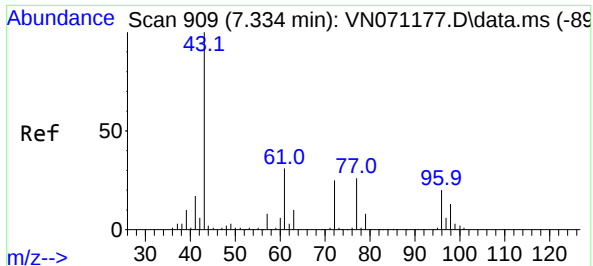
Tgt Ion: 43 Resp: 17670
Ion Ratio Lower Upper
43 100
74 20.9 19.4 29.2



#20
Methylene Chloride
Concen: 1.508 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.011 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion: 84 Resp: 10313
Ion Ratio Lower Upper
84 100
49 117.0 93.5 140.3
51 30.9 29.4 44.2
86 60.7 53.0 79.4





#25

2-Butanone

Concen: 3.224 ug/l

RT: 7.334 min Scan# 909

Delta R.T. 0.000 min

Lab File: VN071405.D

Acq: 19 Mar 2022 18:07

Instrument :

MSVOA_N

ClientSampleId :

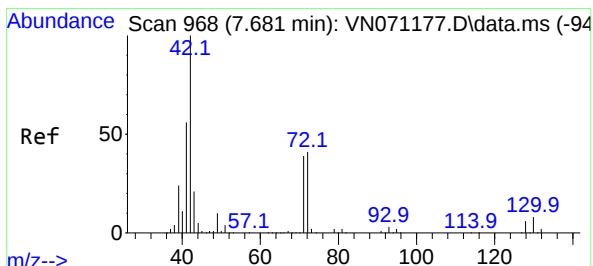
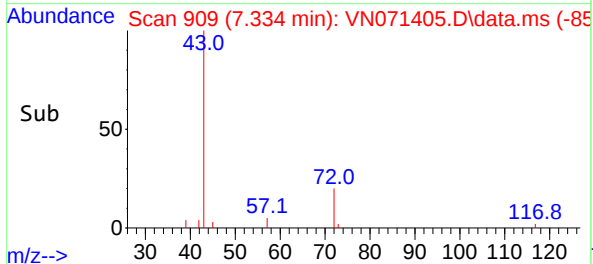
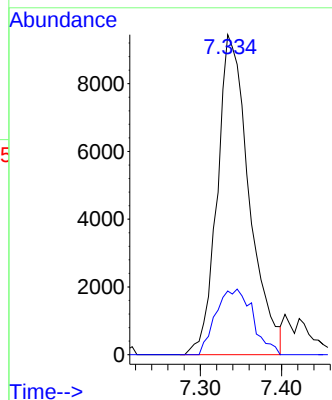
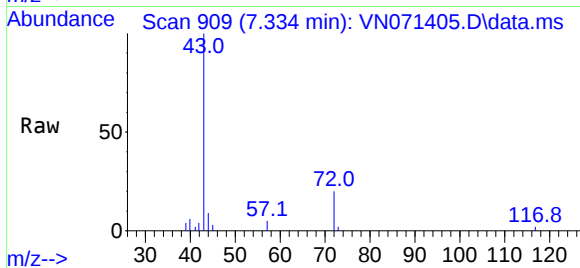
C-12-12-14

Tgt Ion: 43 Resp: 25820

Ion Ratio Lower Upper

43 100

72 19.9 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.268 ug/l

RT: 7.704 min Scan# 972

Delta R.T. 0.024 min

Lab File: VN071405.D

Acq: 19 Mar 2022 18:07

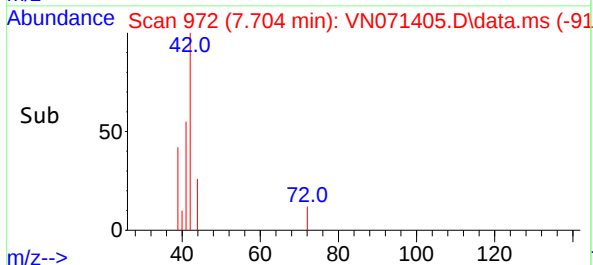
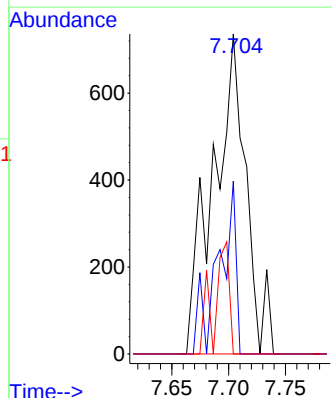
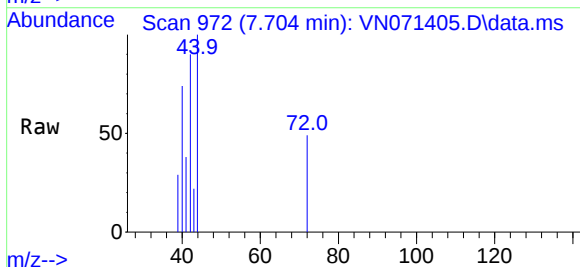
Tgt Ion: 42 Resp: 1487

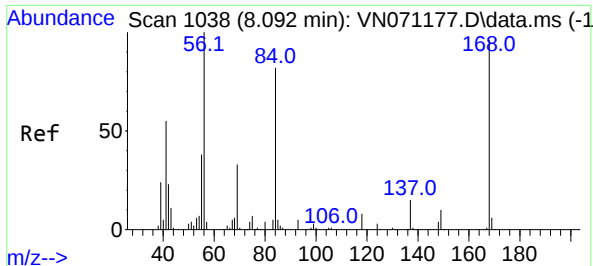
Ion Ratio Lower Upper

42 100

72 28.6 36.3 54.5#

71 15.9 34.7 52.1#

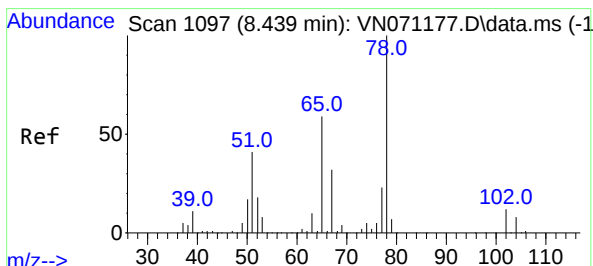
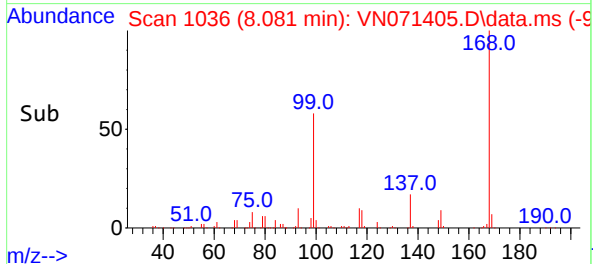
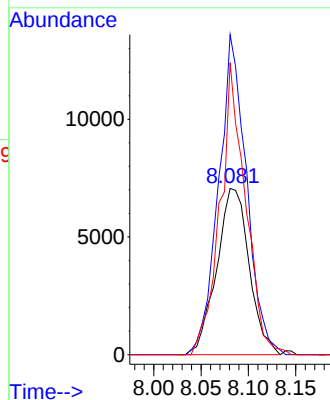
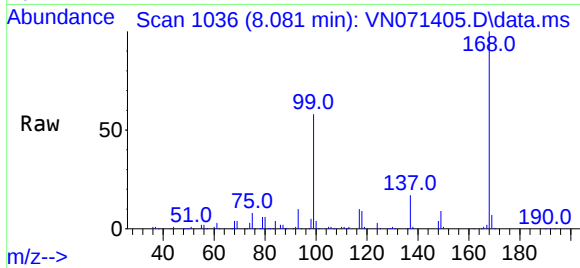




#31
Cyclohexane
Concen: 1.035 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

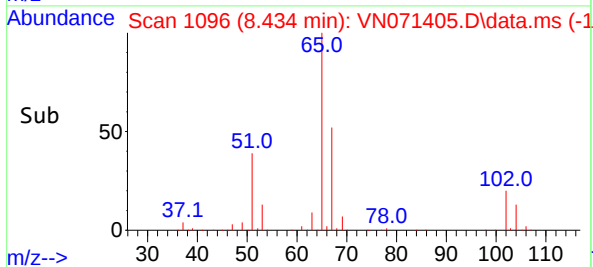
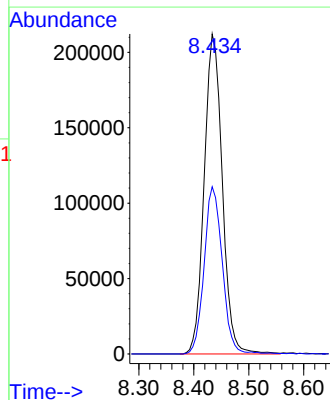
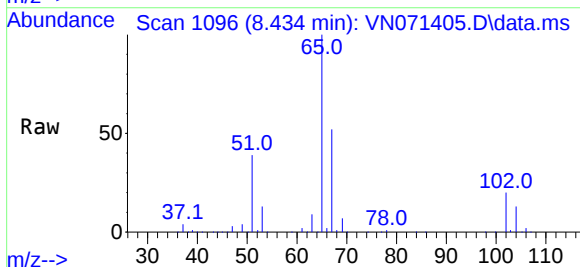
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

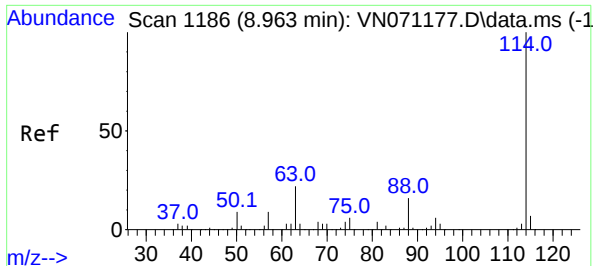
Tgt Ion: 56 Resp: 16888
Ion Ratio Lower Upper
56 100
69 192.4 27.1 40.7#
84 175.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.556 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion: 65 Resp: 485836
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071405.D

Acq: 19 Mar 2022 18:07

Instrument :

MSVOA_N

ClientSampleId :

C-12-12-14

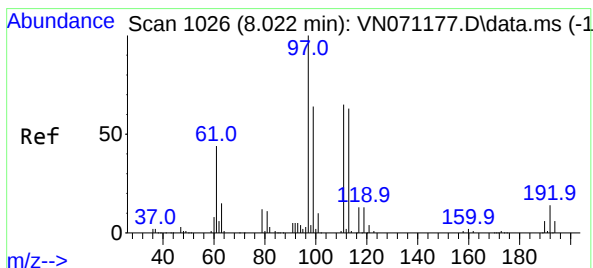
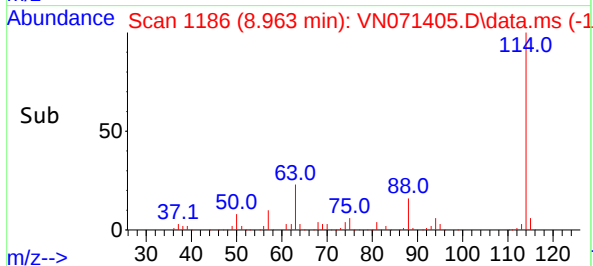
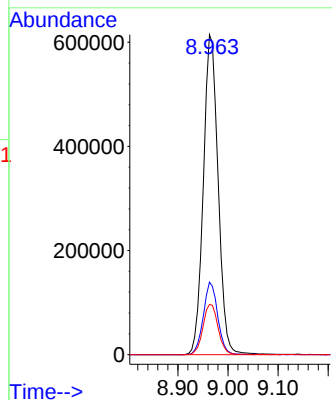
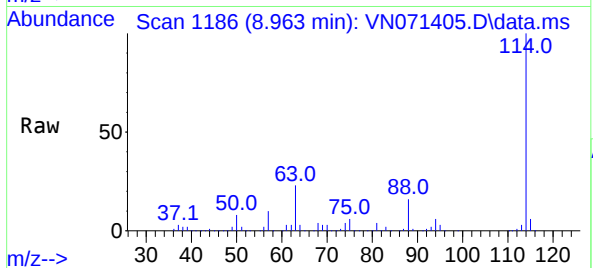
Tgt Ion:114 Resp: 1262304

Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.8

88 15.7 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.120 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071405.D

Acq: 19 Mar 2022 18:07

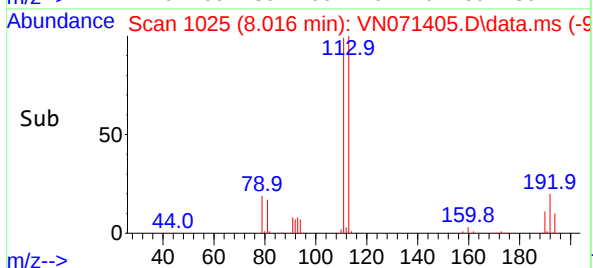
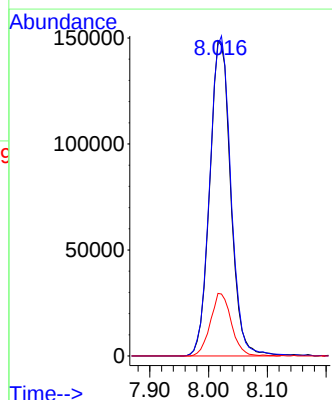
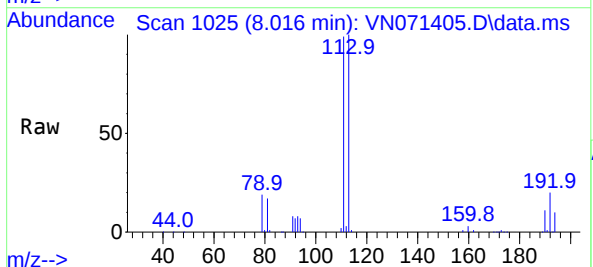
Tgt Ion:113 Resp: 367370

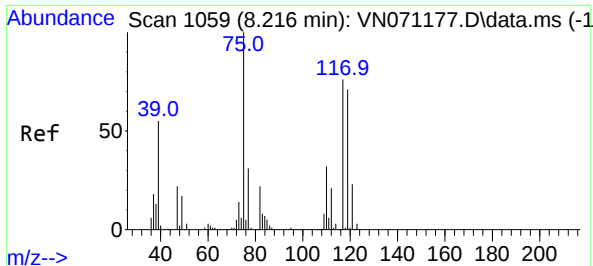
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.658 ug/l

RT: 8.086 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN071405.D

Acq: 19 Mar 2022 18:07

Instrument :

MSVOA_N

ClientSampleId :

C-12-12-14

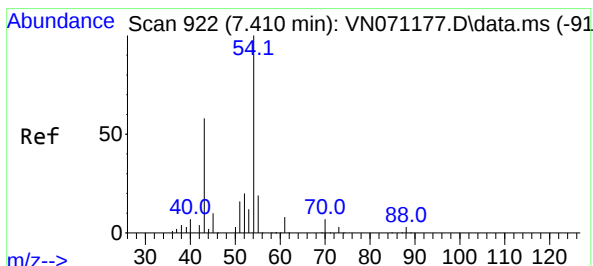
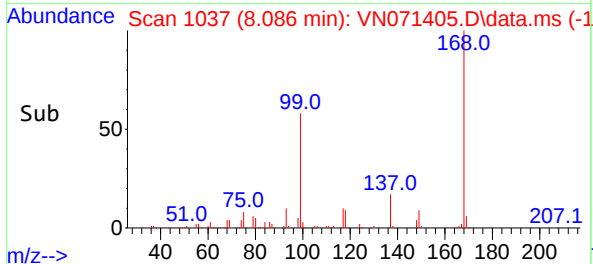
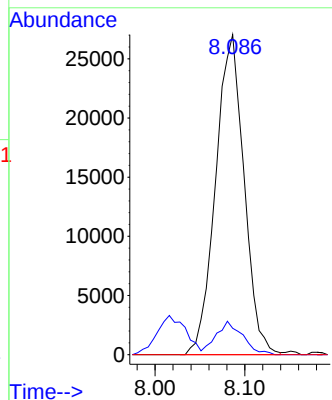
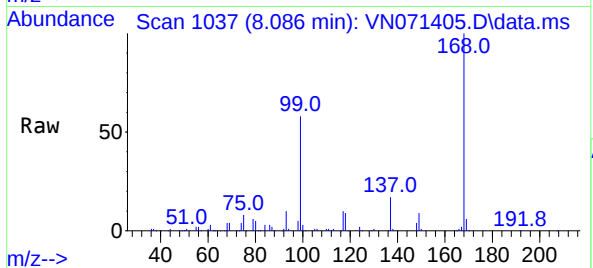
Tgt Ion: 75 Resp: 59452

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.470 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.076 min

Lab File: VN071405.D

Acq: 19 Mar 2022 18:07

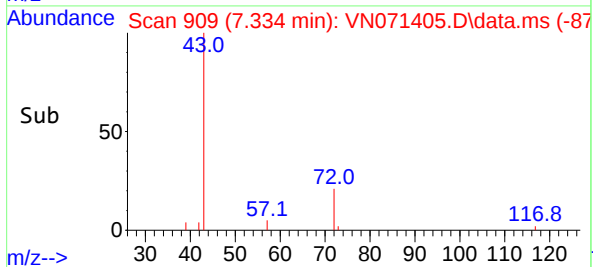
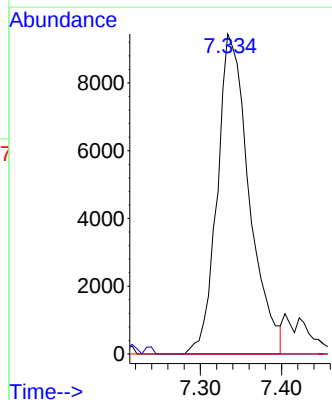
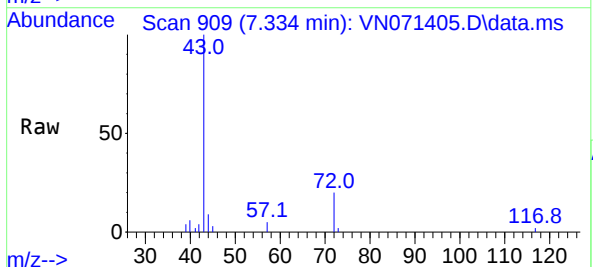
Tgt Ion: 43 Resp: 25820

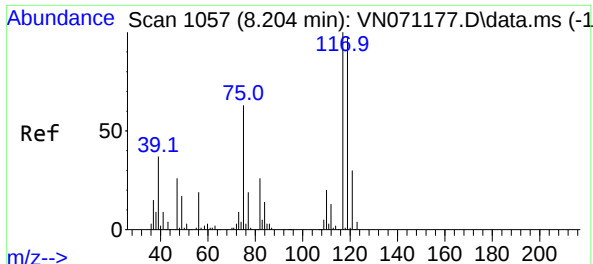
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#

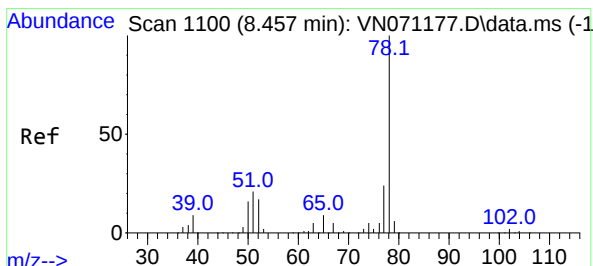
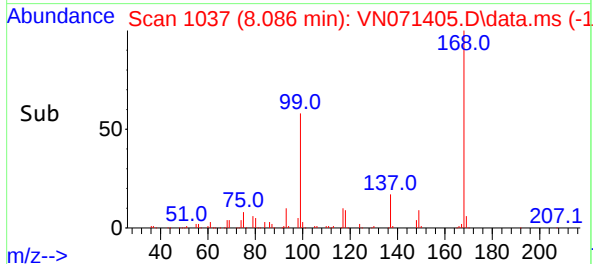
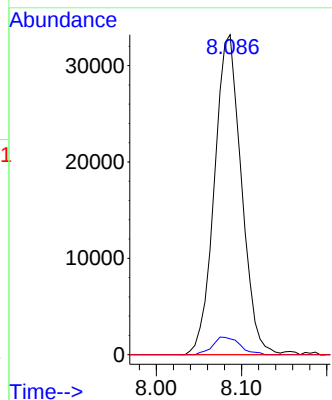
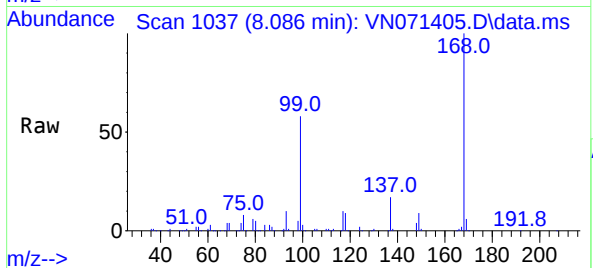




#38
Carbon Tetrachloride
Concen: 5.908 ug/l
RT: 8.086 min Scan# 1107
Delta R.T. -0.118 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

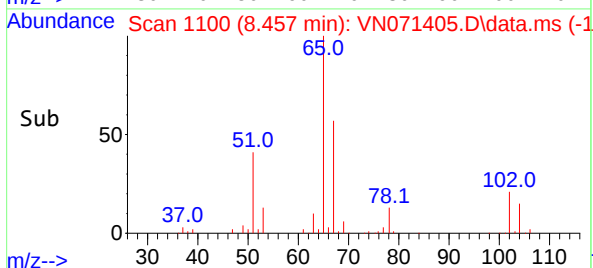
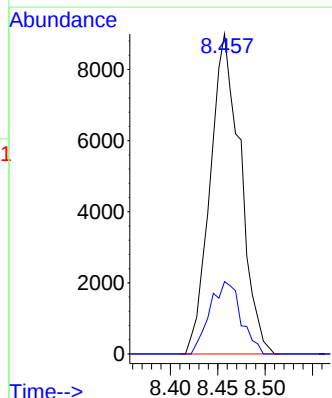
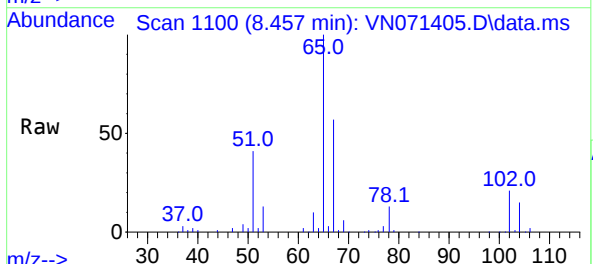
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

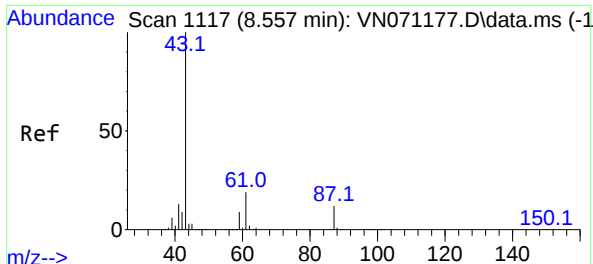
Tgt Ion:117 Resp: 72930
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.520 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion: 78 Resp: 20001
Ion Ratio Lower Upper
78 100
77 22.6 18.6 27.8

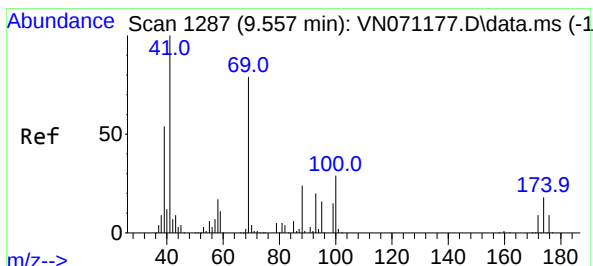
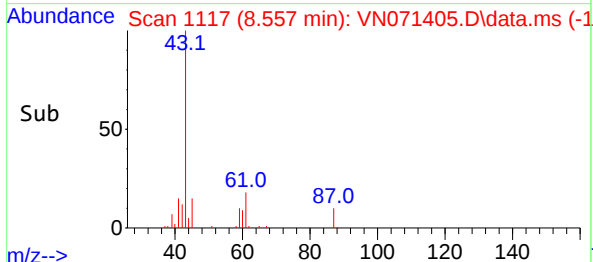
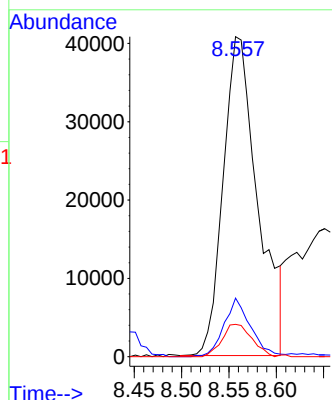
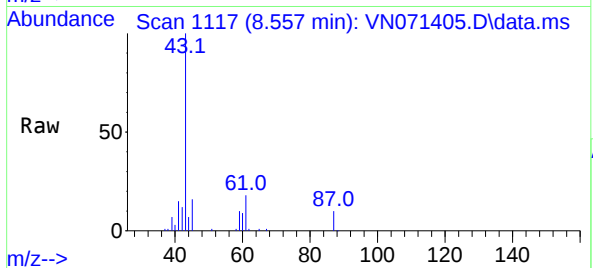




#43
Isopropyl Acetate
Concen: 3.939 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

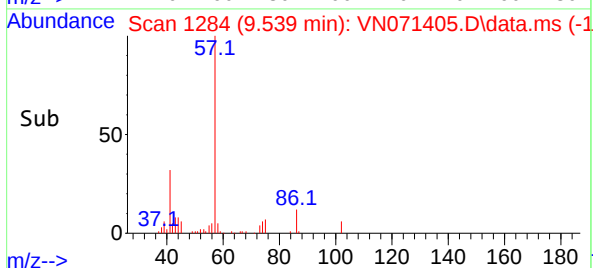
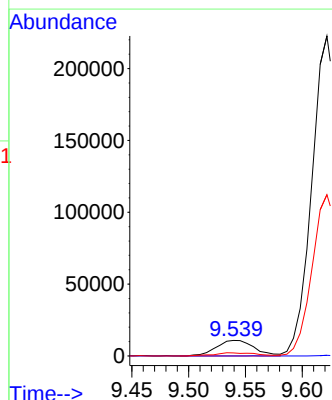
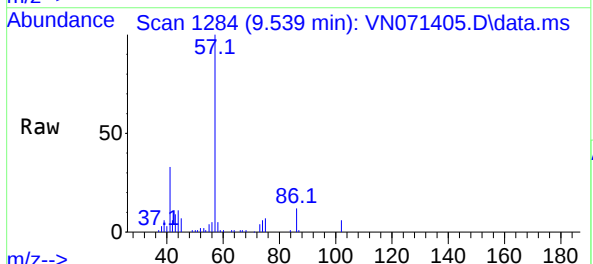
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

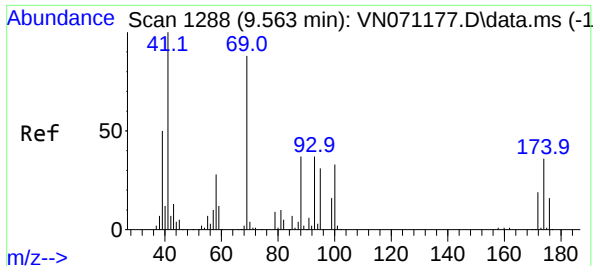
Tgt Ion: 43 Resp: 103455
Ion Ratio Lower Upper
43 100
61 14.2 20.4 30.6#
87 8.7 11.2 16.8#



#48
Methyl methacrylate
Concen: 2.080 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion: 41 Resp: 25318
Ion Ratio Lower Upper
41 100
69 0.2 72.4 108.6#
39 0.0 58.4 87.6#

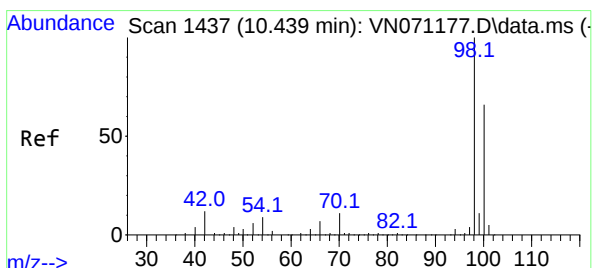
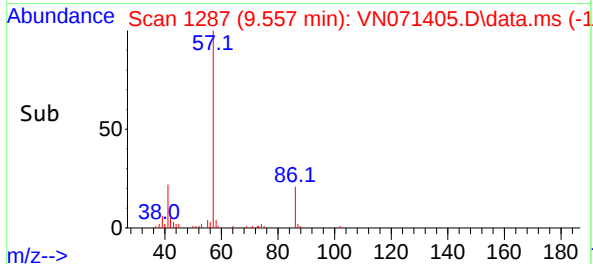
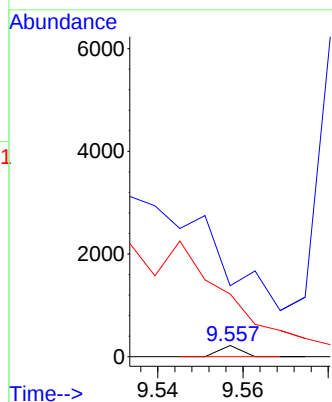
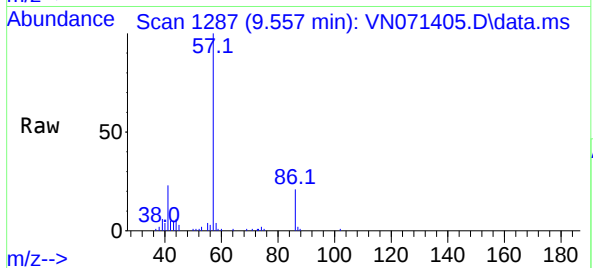




#49
1,4-Dioxane
Concen: 0.364 ug/l
RT: 9.557 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

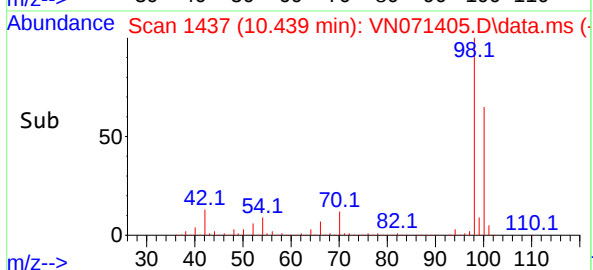
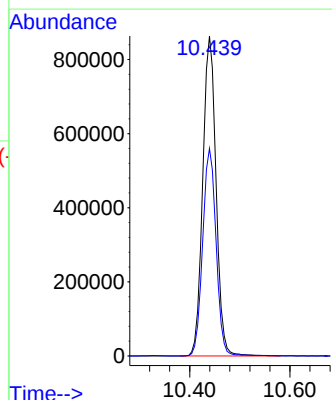
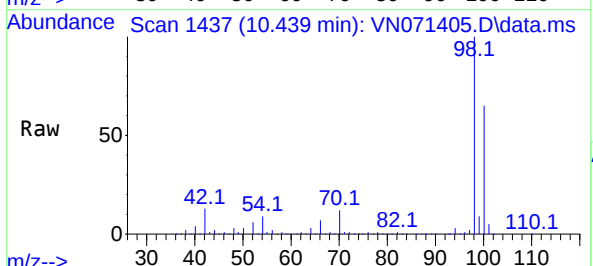
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

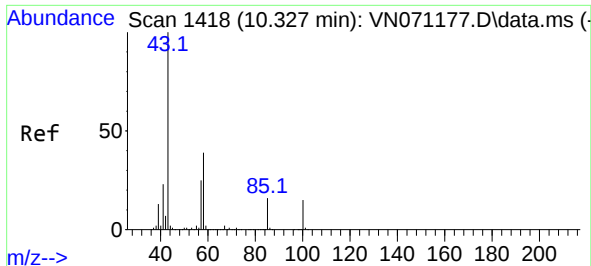
Tgt Ion: 88 Resp: 77
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 7085.7 50.6 75.8#



#50
Toluene-d8
Concen: 49.601 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion: 98 Resp: 1590803
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.831 ug/l

RT: 10.333 min Scan# 1418

Delta R.T. 0.006 min

Lab File: VN071405.D

Acq: 19 Mar 2022 18:07

Instrument :

MSVOA_N

ClientSampleId :

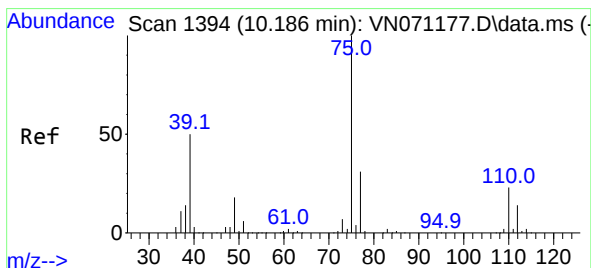
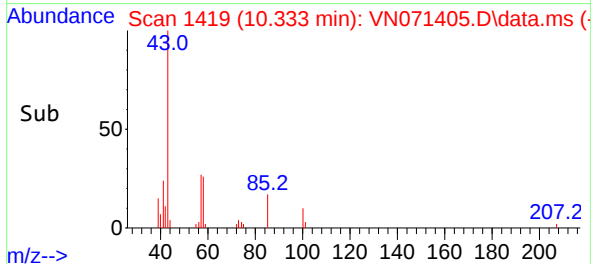
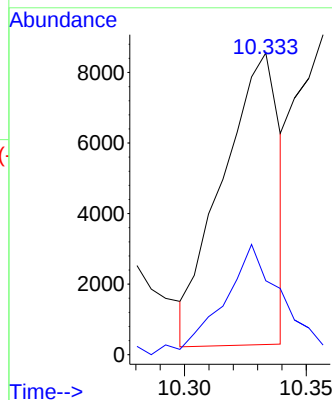
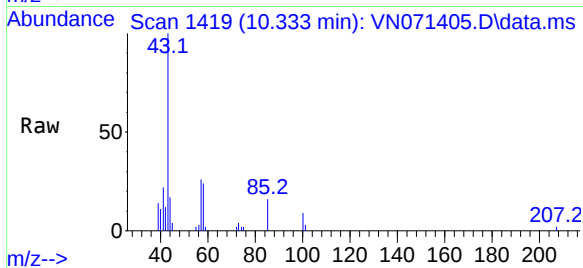
C-12-12-14

Tgt Ion: 43 Resp: 13544

Ion Ratio Lower Upper

43 100

58 39.7 30.4 45.6



#54

cis-1,3-Dichloropropene

Concen: 6.823 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071405.D

Acq: 19 Mar 2022 18:07

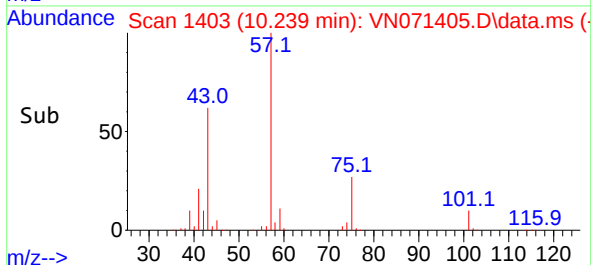
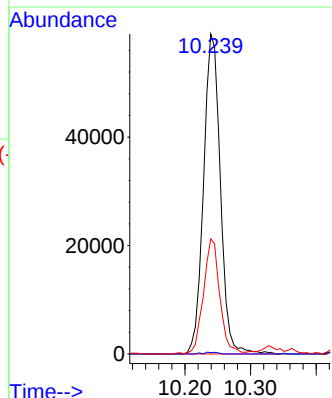
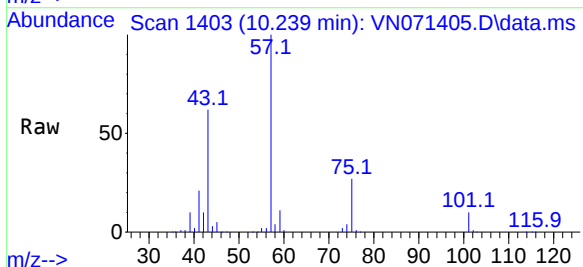
Tgt Ion: 75 Resp: 105522

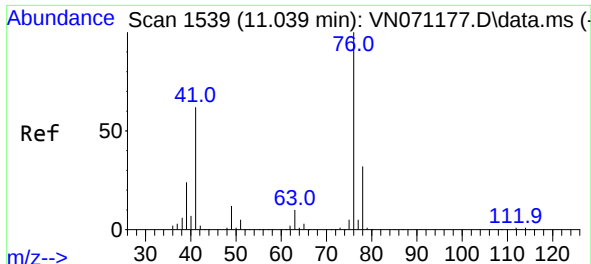
Ion Ratio Lower Upper

75 100

77 0.5 26.4 39.6#

39 35.6 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 3.969 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071405.D

Acq: 19 Mar 2022 18:07

Instrument :

MSVOA_N

ClientSampleId :

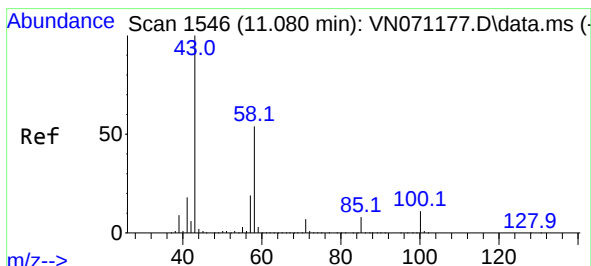
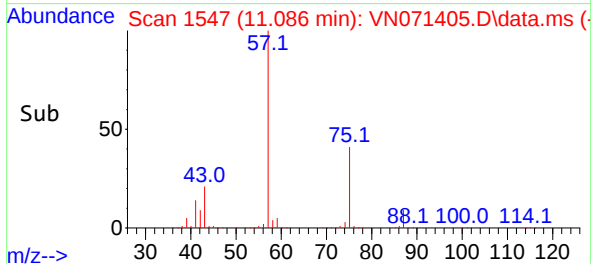
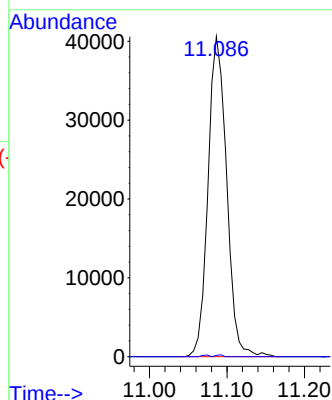
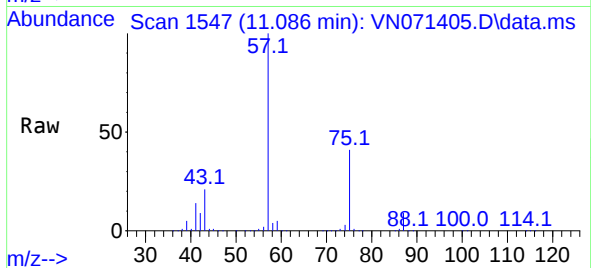
C-12-12-14

Tgt Ion: 76 Resp: 67599

Ion Ratio Lower Upper

76 100

78 0.2 25.7 38.5#



#59

2-Hexanone

Concen: 95.859 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071405.D

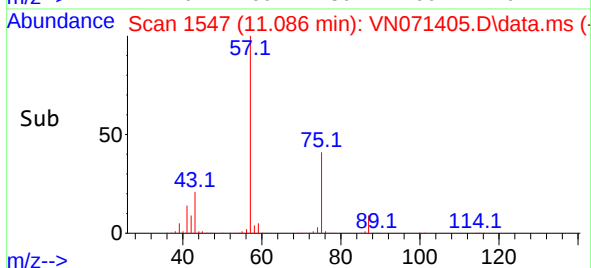
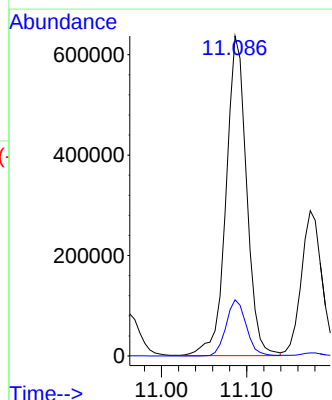
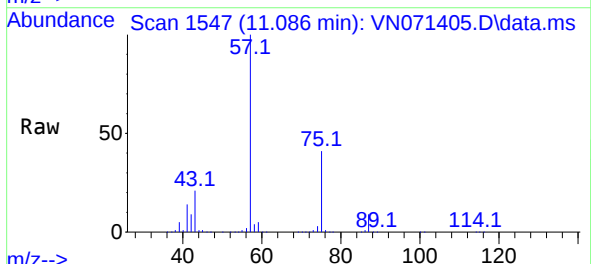
Acq: 19 Mar 2022 18:07

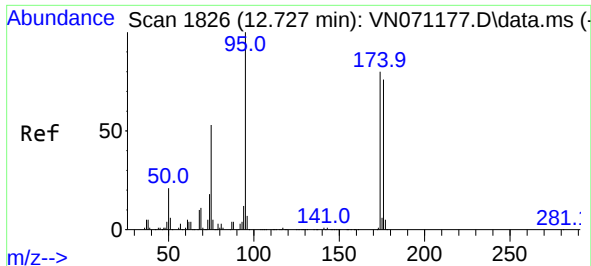
Tgt Ion: 43 Resp: 1066167

Ion Ratio Lower Upper

43 100

58 17.2 26.9 80.7#

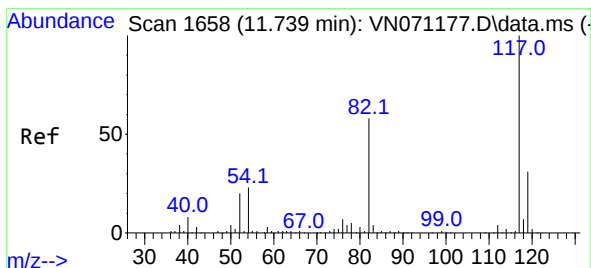
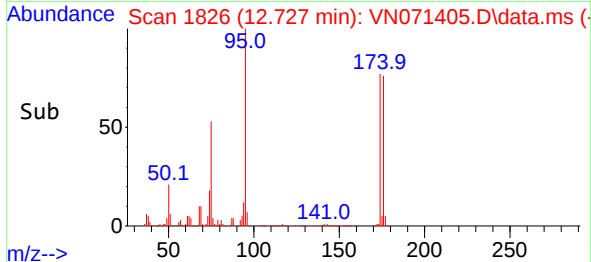
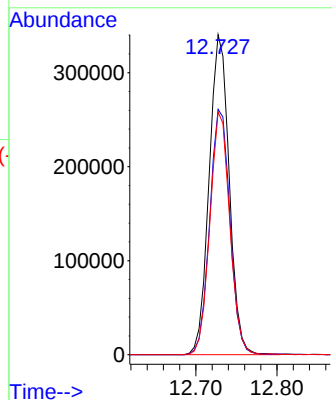
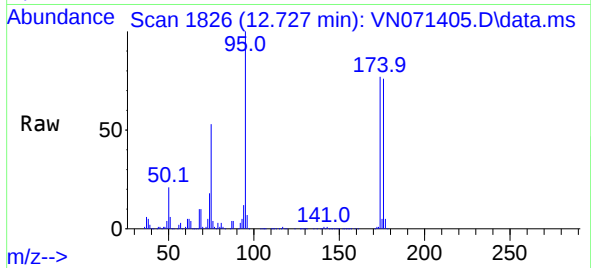




#62
4-Bromofluorobenzene
Concen: 53.733 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

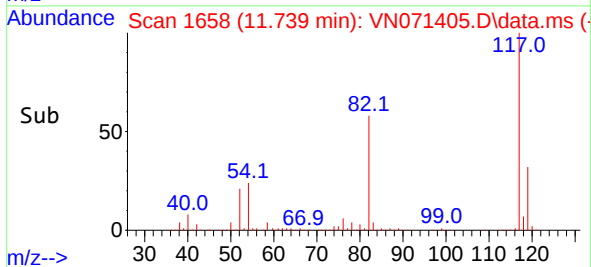
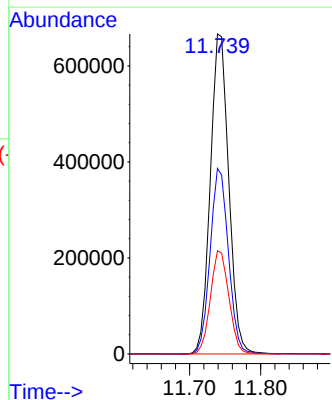
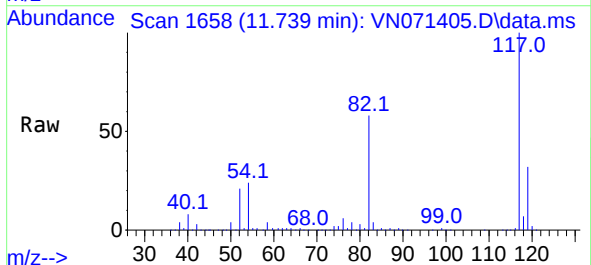
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

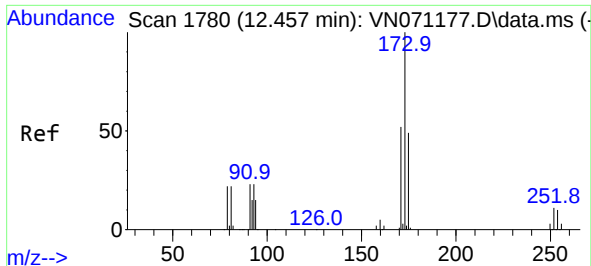
Tgt Ion: 95 Resp: 583557
Ion Ratio Lower Upper
95 100
174 77.7 0.0 187.2
176 75.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion: 117 Resp: 1202211
Ion Ratio Lower Upper
117 100
82 58.0 42.4 63.6
119 32.2 25.4 38.2

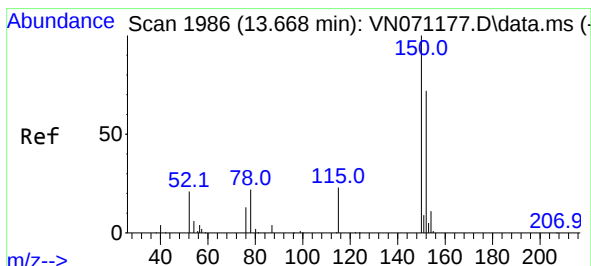
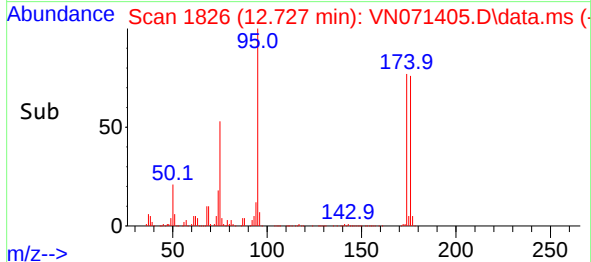
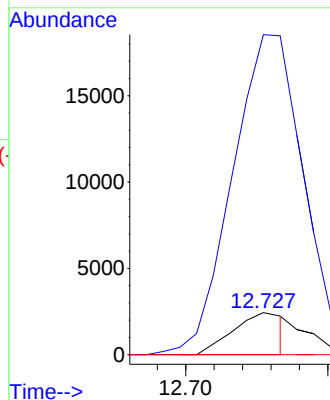
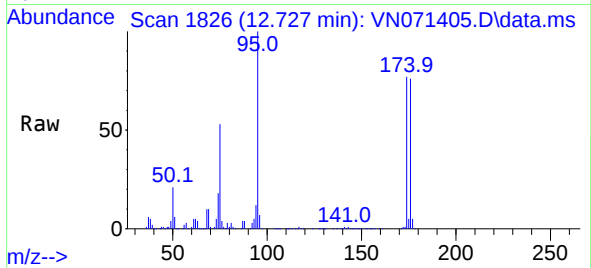




#71
Bromoform
Concen: 0.419 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

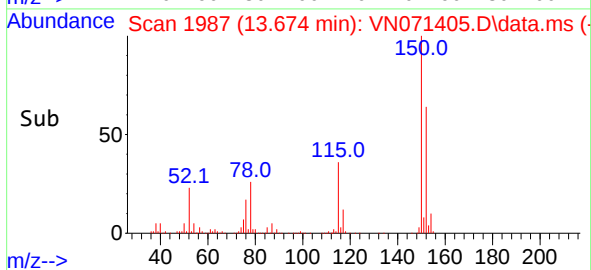
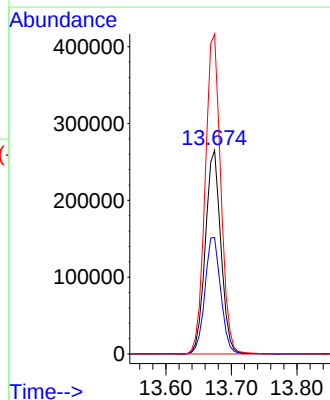
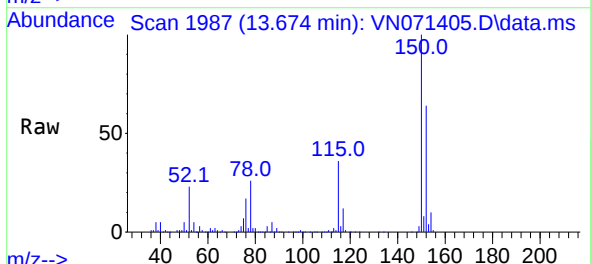
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

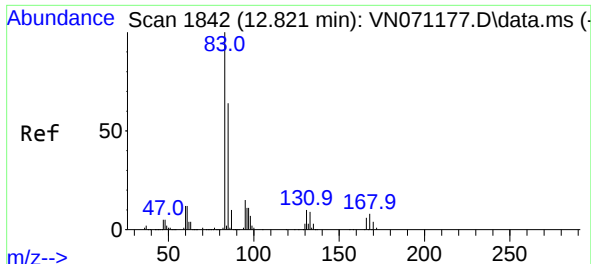
Tgt Ion:173 Resp: 3012
Ion Ratio Lower Upper
173 100
175 796.7 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion:152 Resp: 437530
Ion Ratio Lower Upper
152 100
115 58.4 27.5 82.5
150 157.9 0.0 344.4

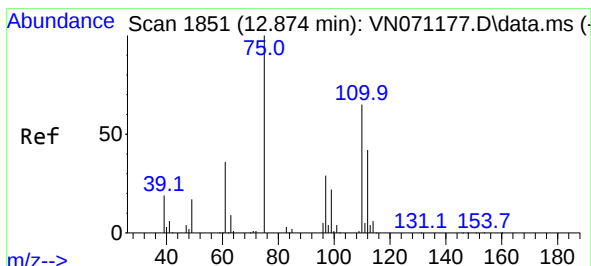
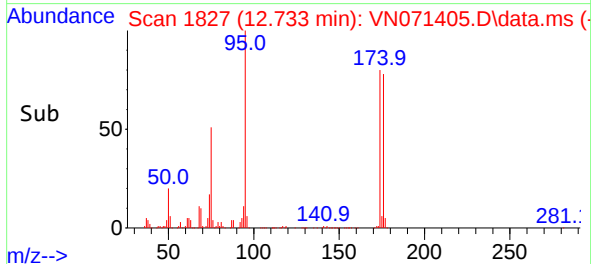
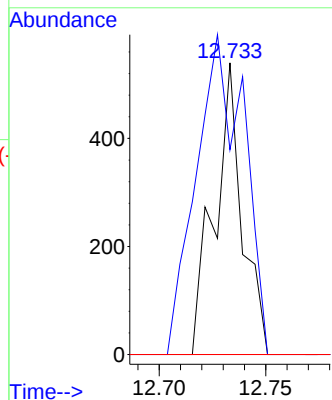
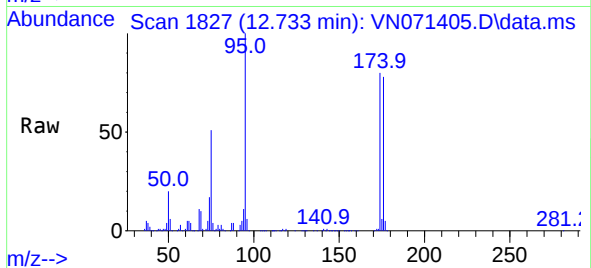




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.733 min Scan# 1827
Delta R.T. -0.088 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

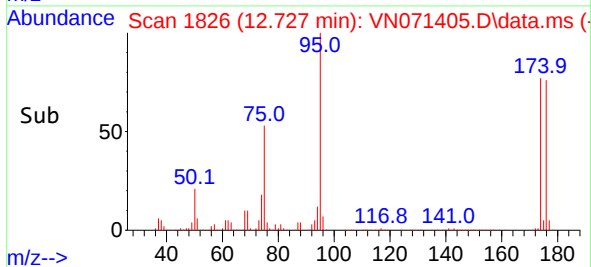
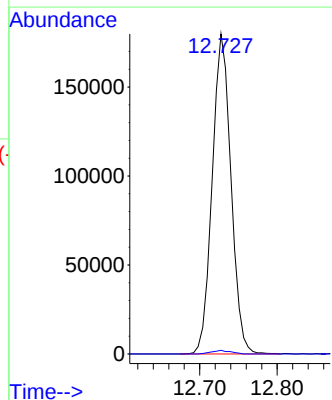
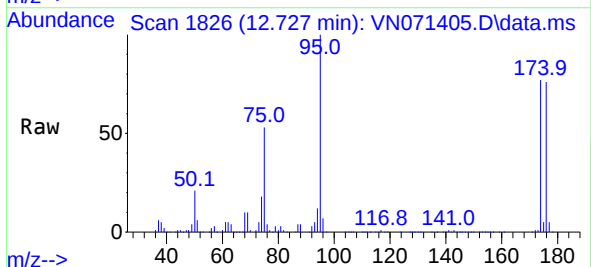
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

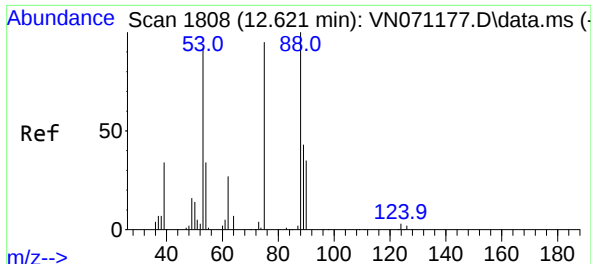
Tgt Ion: 83 Resp: 487
Ion Ratio Lower Upper
83 100
131 189.1 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.206 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion: 75 Resp: 302145
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

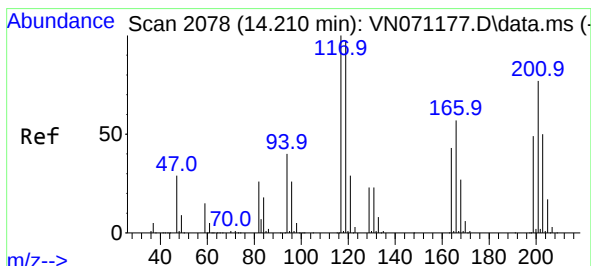
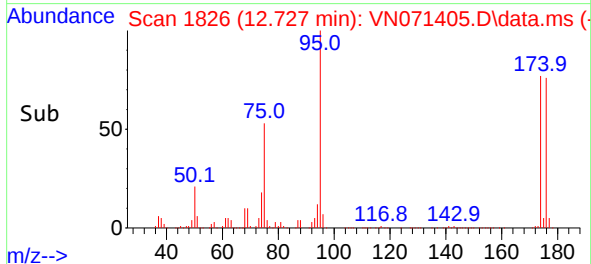
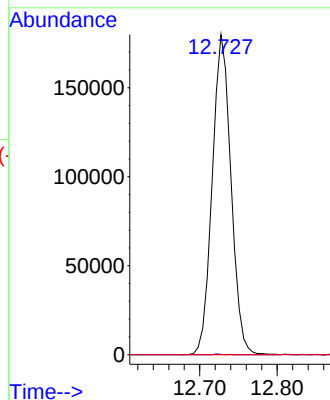
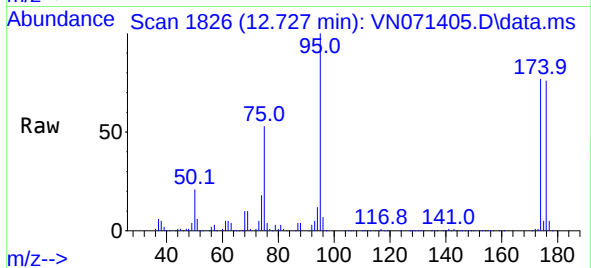




#81
trans-1,4-Dichloro-2-butene
Concen: 74.650 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

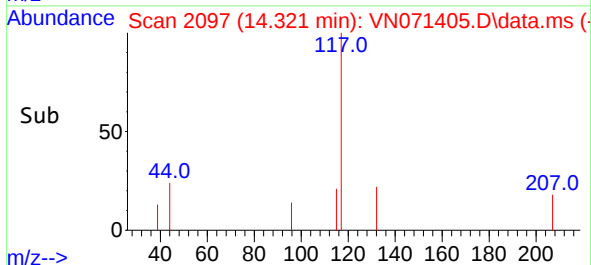
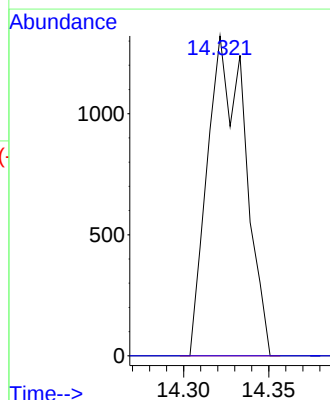
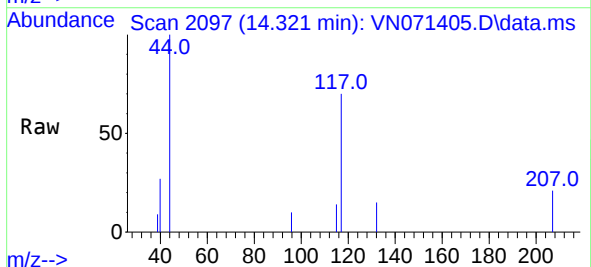
Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

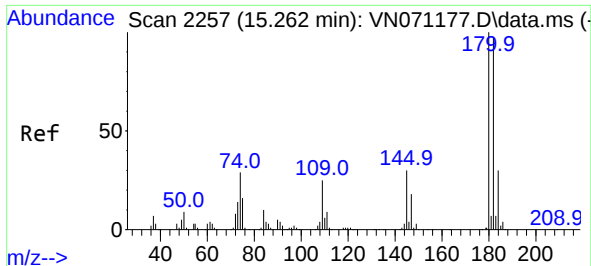
Tgt Ion: 75 Resp: 302145
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 0.333 ug/l
RT: 14.321 min Scan# 2097
Delta R.T. 0.112 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion: 117 Resp: 2027
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

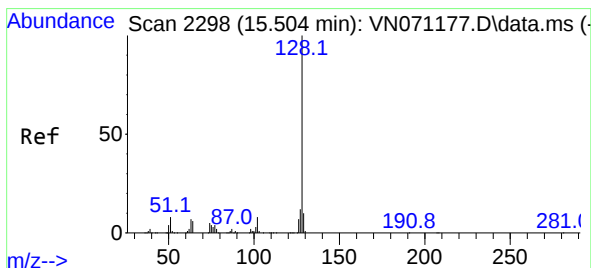
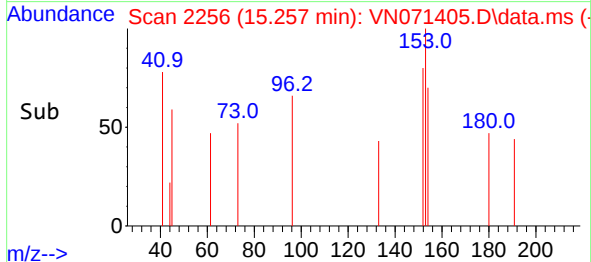
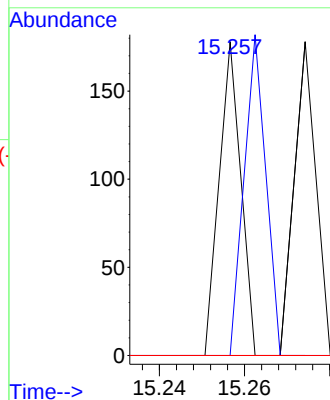
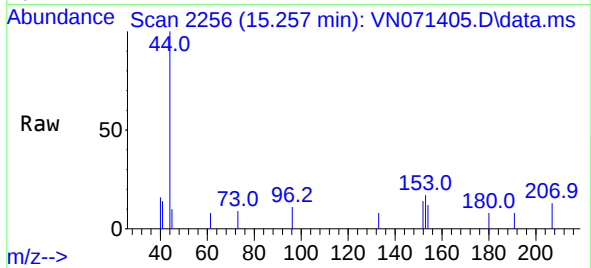




#93
1,2,4-Trichlorobenzene
Concen: 2.998 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Instrument :
MSVOA_N
ClientSampleId :
C-12-12-14

Tgt Ion:180 Resp: 63
Ion Ratio Lower Upper
180 100
182 101.6 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 12.743 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071405.D
Acq: 19 Mar 2022 18:07

Tgt Ion:128 Resp: 171319
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 10.4 8.7 13.1

