

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070498.D
 Acq On : 5 Jan 2022 18:54
 Operator : JC/MD
 Sample : N1012-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 06 13:26:51 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)

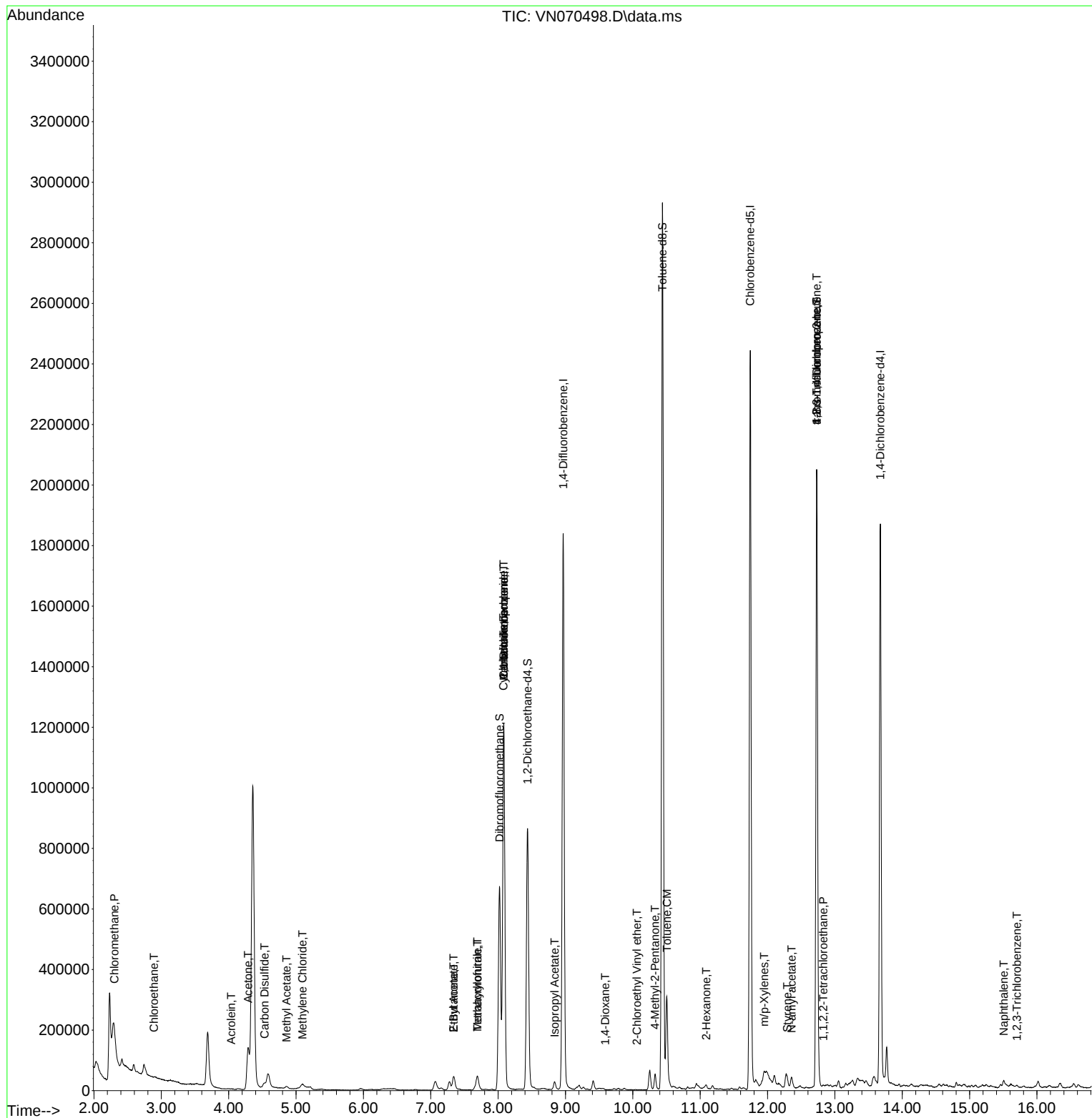
Internal Standards						
1) Pentafluorobenzene	8.085	168	935113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1588474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1409391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	510403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	721508	53.663	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.320%			
35) Dibromofluoromethane	8.021	113	503186	52.355	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.700%			
50) Toluene-d8	10.440	98	2055313	52.348	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.700%			
62) 4-Bromofluorobenzene	12.731	95	753430	53.131	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.260%			
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	5023	0.348	ug/l #	79
6) Chloroethane	2.890	64	2349	0.297	ug/l #	42
13) Acrolein	4.038	56	871	0.480	ug/l #	60
16) Acetone	4.288	43	266863	30.576	ug/l	100
17) Carbon Disulfide	4.532	76	39926	1.536	ug/l	99
18) Methyl Acetate	4.859	43	17306	0.685	ug/l #	84
20) Methylene Chloride	5.095	84	8089	0.670	ug/l	86
25) 2-Butanone	7.340	43	75637	6.883	ug/l	94
29) Tetrahydrofuran	7.694	42	38166	5.821	ug/l #	70
31) Cyclohexane	8.080	56	20444	0.964	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	75304	4.736	ug/l #	49
37) Ethyl Acetate	7.340	43	75637	3.670	ug/l #	68
38) Carbon Tetrachloride	8.083	117	90718	5.975	ug/l #	16
41) Methacrylonitrile	7.694	41	22522	2.185	ug/l #	38
43) Isopropyl Acetate	8.839	43	23969	0.738	ug/l #	55
49) 1,4-Dioxane	9.590	88	62	0.273	ug/l #	27
51) 4-Methyl-2-Pentanone	10.330	43	36085	1.767	ug/l	96
52) Toluene	10.505	92	129816	4.400	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.062	63	152	18.542	ug/l #	45
59) 2-Hexanone	11.089	43	12019	0.807	ug/l	77
68) m/p-Xylenes	11.953	106	6380	0.320	ug/l #	69
70) Styrene	12.293	104	10817	0.345	ug/l	94
74) N-amyl acetate	12.358	43	25936	1.301	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.827	83	184	0.458	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	388172	27.018	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	388172	92.918	ug/l #	5
95) Naphthalene	15.506	128	22265	2.720	ug/l	96
96) 1,2,3-Trichlorobenzene	15.702	180	495	0.887	ug/l #	34

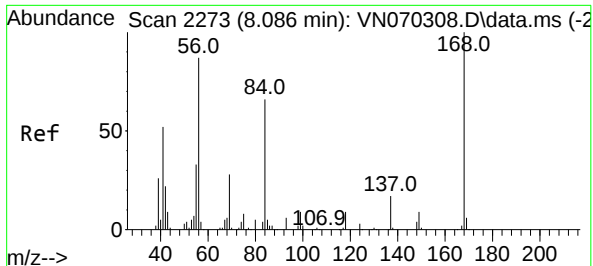
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
Data File : VN070498.D
Acq On : 5 Jan 2022 18:54
Operator : JC/MD
Sample : N1012-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

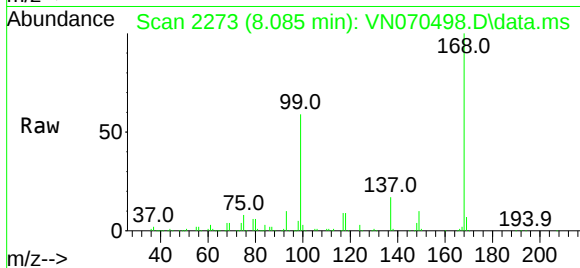
Quant Time: Jan 06 13:26:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration



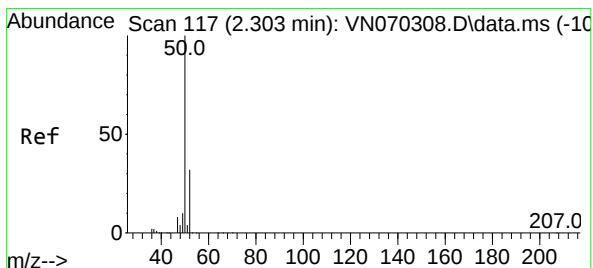
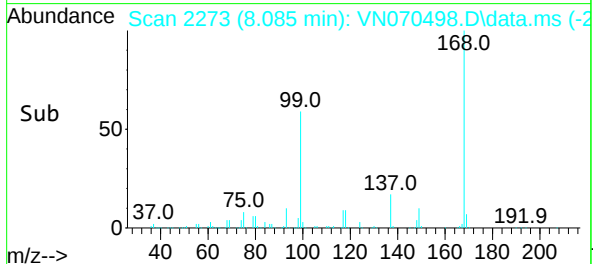
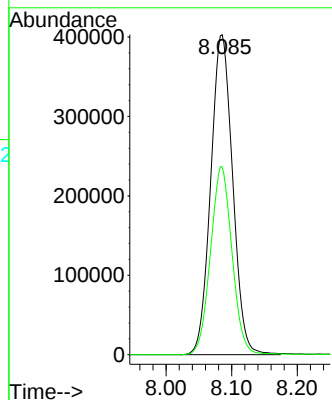


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Instrument :
MSVOA_N
ClientSampleId :

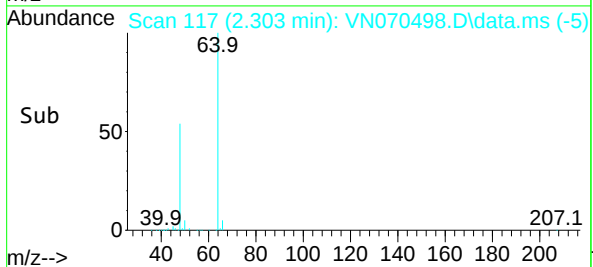
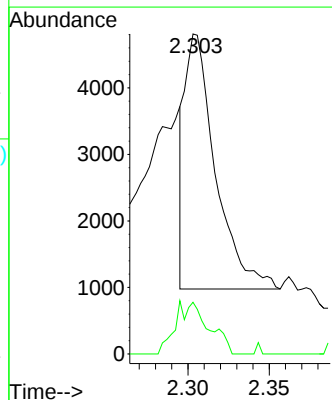
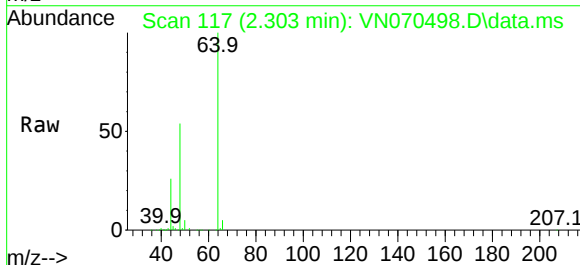


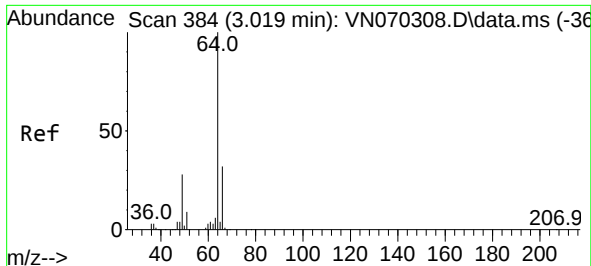
Tgt Ion:168 Resp: 935113
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9



#3
Chloromethane
Concen: 0.348 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

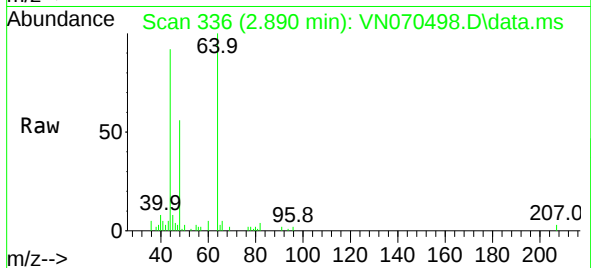
Tgt Ion: 50 Resp: 5023
Ion Ratio Lower Upper
50 100
52 20.3 25.4 38.0#



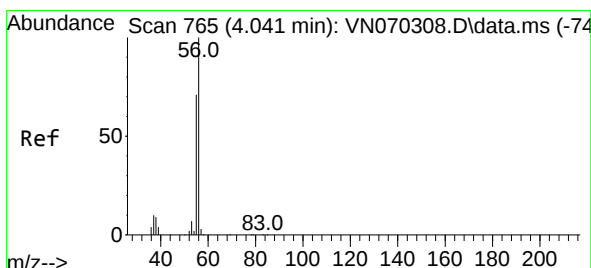
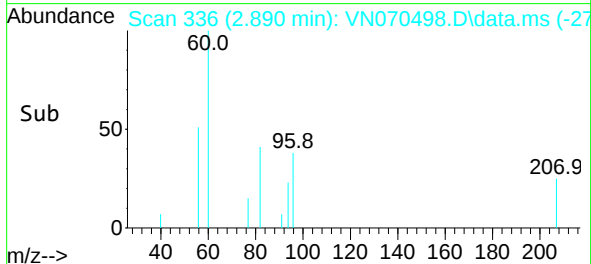
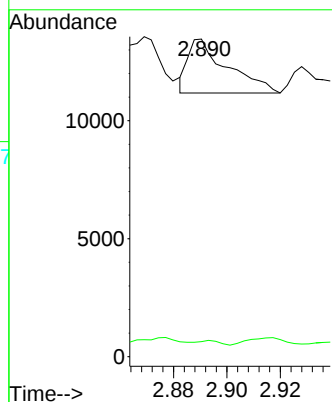


#6
Chloroethane
Concen: 0.297 ug/l
RT: 2.890 min Scan# 31
Delta R.T. -0.129 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Instrument :
MSVOA_N
ClientSampleId :

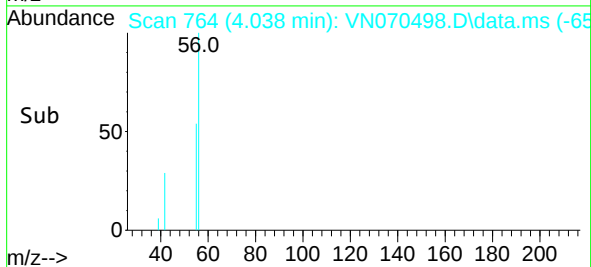
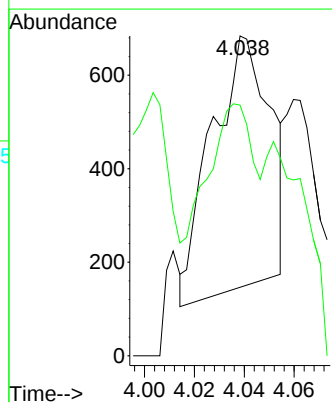
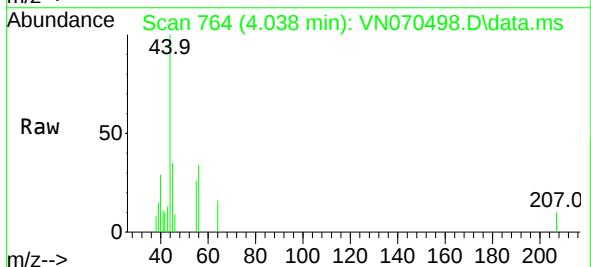


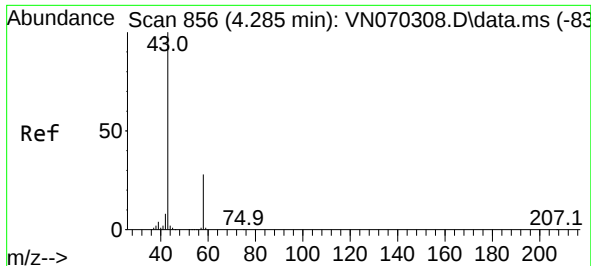
Tgt Ion: 64 Resp: 2349
Ion Ratio Lower Upper
64 100
66 0.3 26.3 39.5#



#13
Acrolein
Concen: 0.480 ug/l
RT: 4.038 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

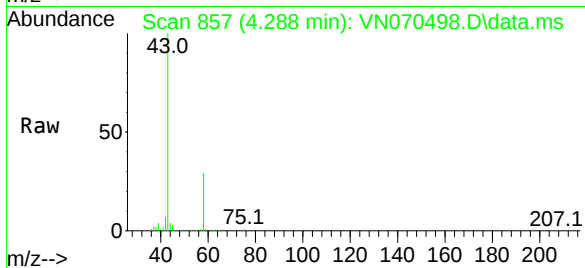
Tgt Ion: 56 Resp: 871
Ion Ratio Lower Upper
56 100
55 37.5 56.6 85.0#



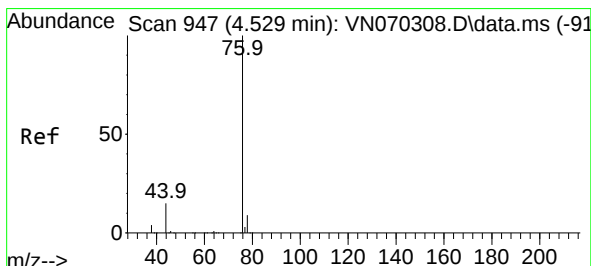
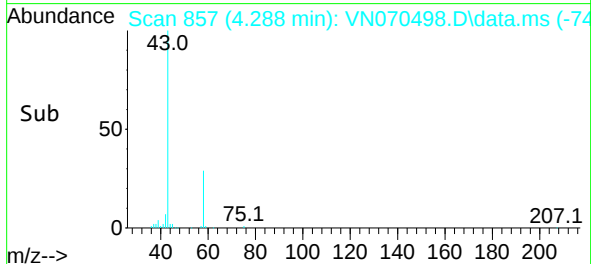
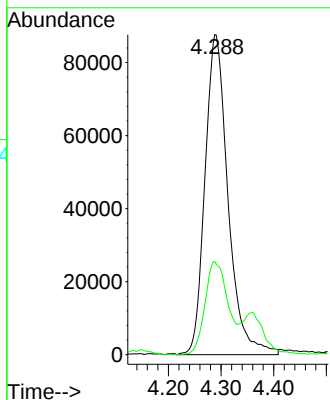


#16
Acetone
Concen: 30.576 ug/l
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Instrument :
MSVOA_N
ClientSampleId :

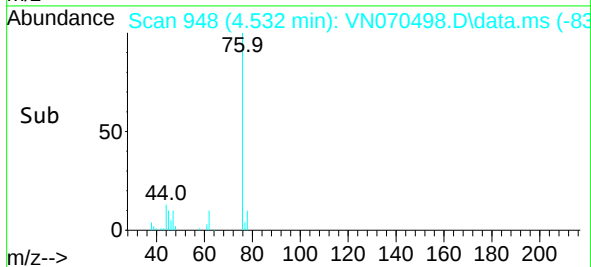
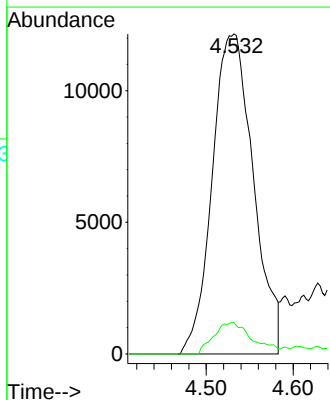
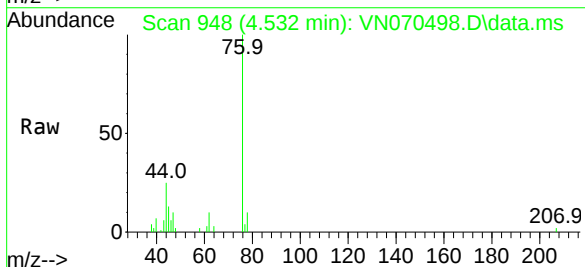


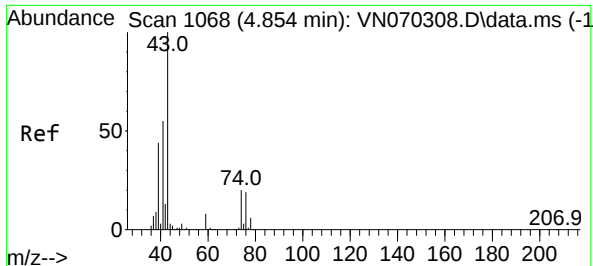
Tgt Ion: 43 Resp: 266863
Ion Ratio Lower Upper
43 100
58 29.1 23.1 34.7



#17
Carbon Disulfide
Concen: 1.536 ug/l
RT: 4.532 min Scan# 948
Delta R.T. 0.003 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Tgt Ion: 76 Resp: 39926
Ion Ratio Lower Upper
76 100
78 9.8 7.5 11.3





#18

Methyl Acetate

Concen: 0.685 ug/l

RT: 4.859 min Scan# 1

Delta R.T. 0.005 min

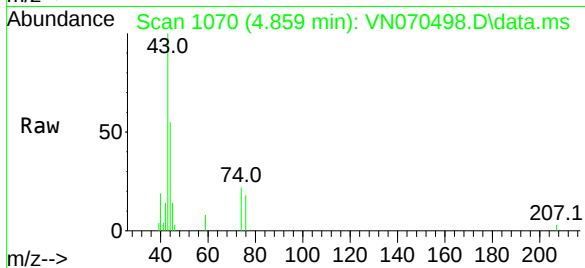
Lab File: VN070498.D

Acq: 5 Jan 2022 18:54

Instrument :

MSVOA_N

ClientSampleId :

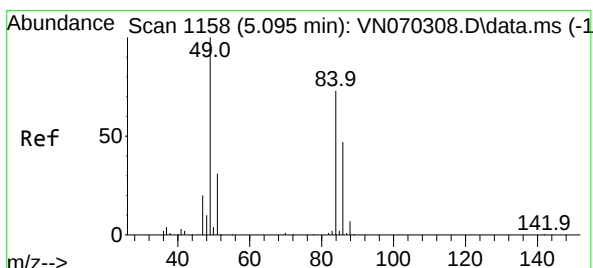
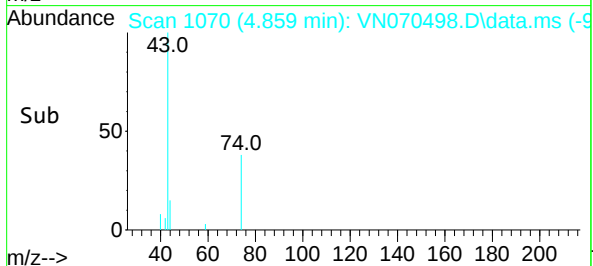
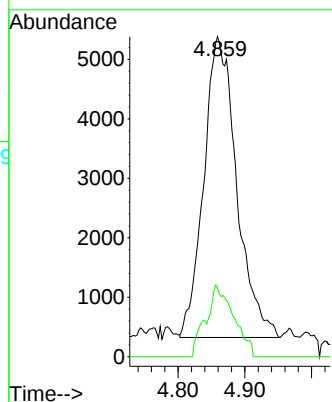


Tgt Ion: 43 Resp: 17306

Ion Ratio Lower Upper

43 100

74 16.5 19.4 29.2#



#20

Methylene Chloride

Concen: 0.670 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.000 min

Lab File: VN070498.D

Acq: 5 Jan 2022 18:54

Tgt Ion: 84 Resp: 8089

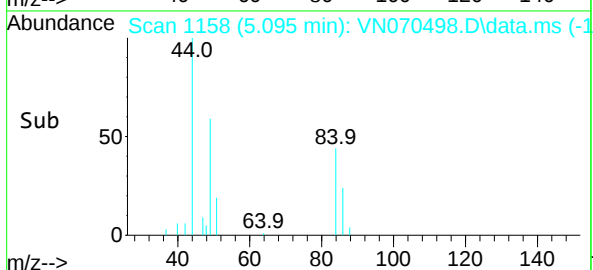
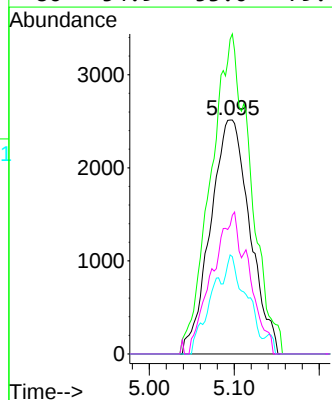
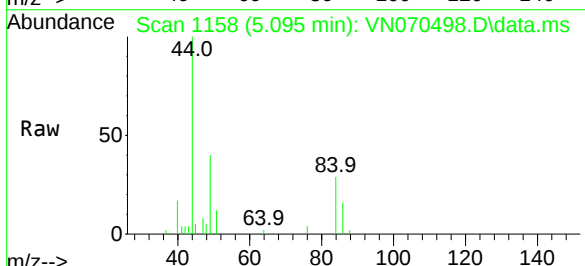
Ion Ratio Lower Upper

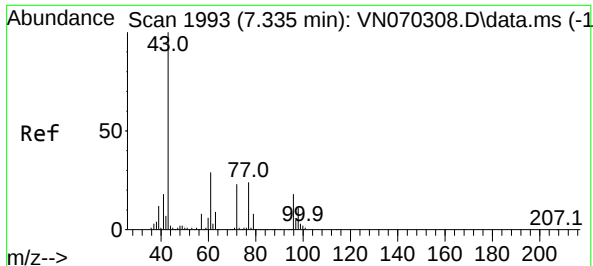
84 100

49 134.5 93.5 140.3

51 42.4 29.4 44.2

86 54.9 53.0 79.4





#25

2-Butanone

Concen: 6.883 ug/l

RT: 7.340 min Scan# 1993

Delta R.T. 0.005 min

Lab File: VN070498.D

Acq: 5 Jan 2022 18:54

Instrument :

MSVOA_N

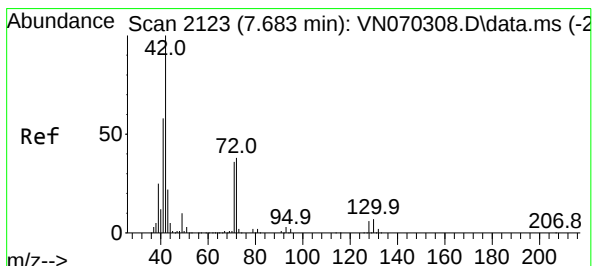
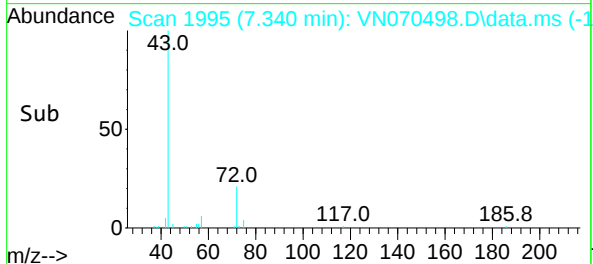
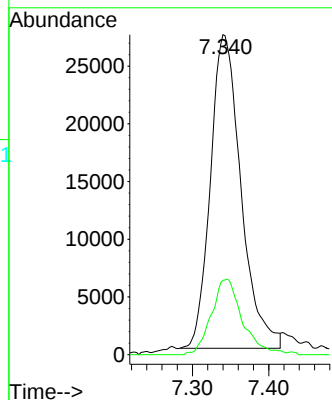
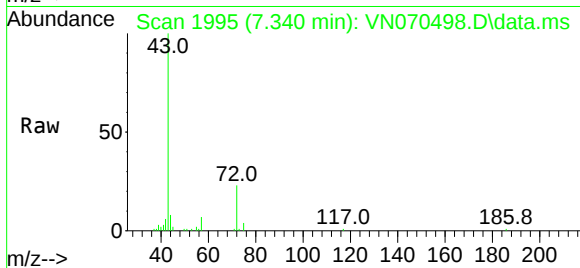
ClientSampleId :

Tgt Ion: 43 Resp: 75637

Ion Ratio Lower Upper

43 100

72 23.7 21.7 32.5



#29

Tetrahydrofuran

Concen: 5.821 ug/l

RT: 7.694 min Scan# 2127

Delta R.T. 0.011 min

Lab File: VN070498.D

Acq: 5 Jan 2022 18:54

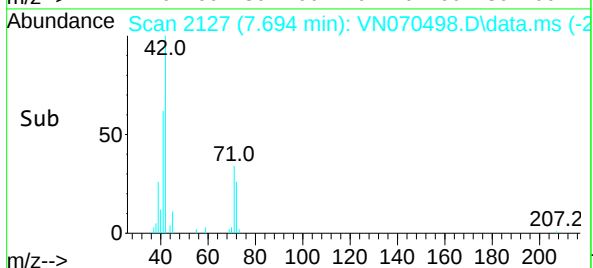
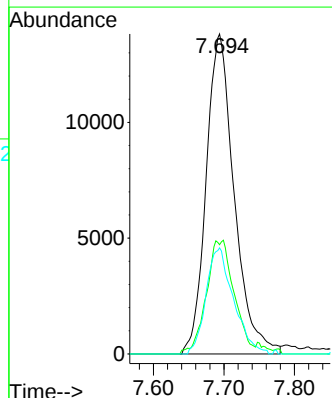
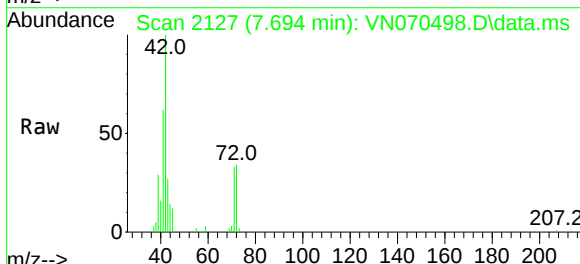
Tgt Ion: 42 Resp: 38166

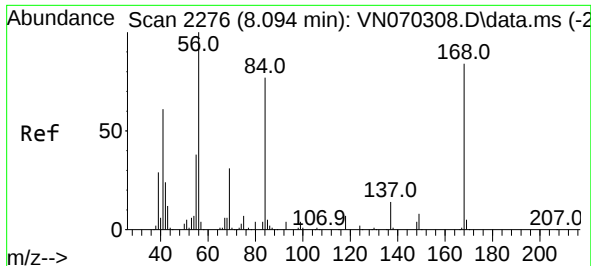
Ion Ratio Lower Upper

42 100

72 17.6 36.3 54.5#

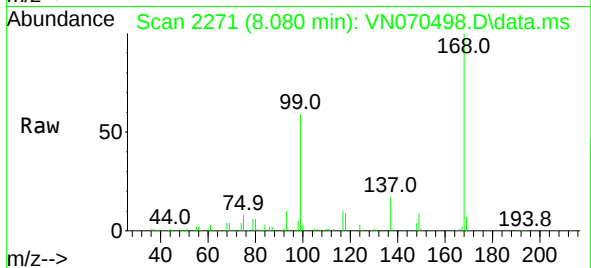
71 32.5 34.7 52.1#



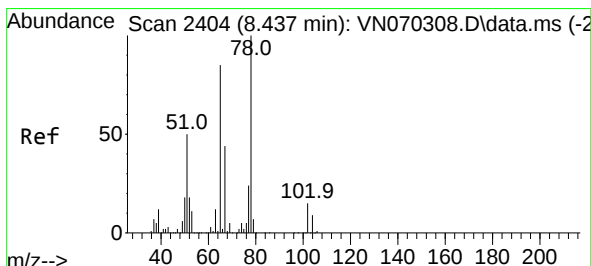
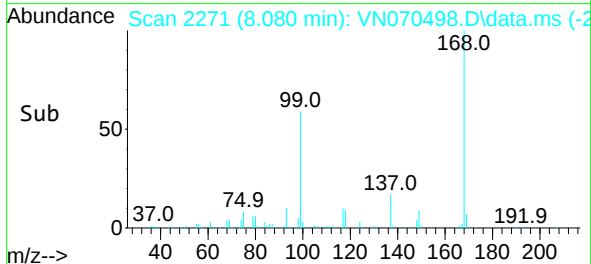
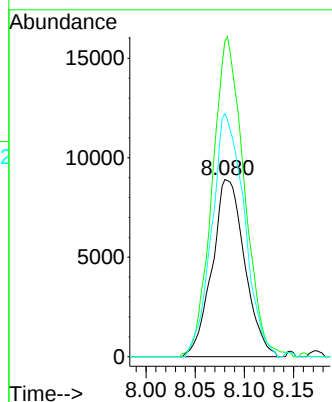


#31
Cyclohexane
Concen: 0.964 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.014 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Instrument :
MSVOA_N
ClientSampleId :

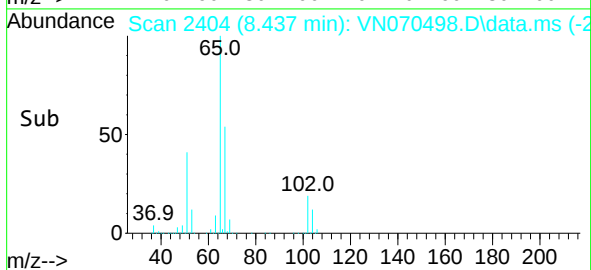
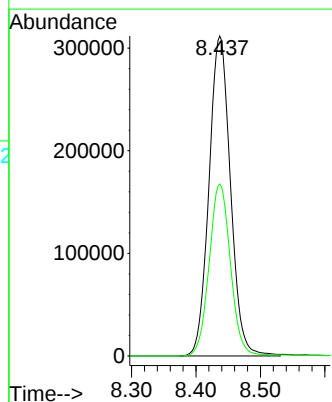
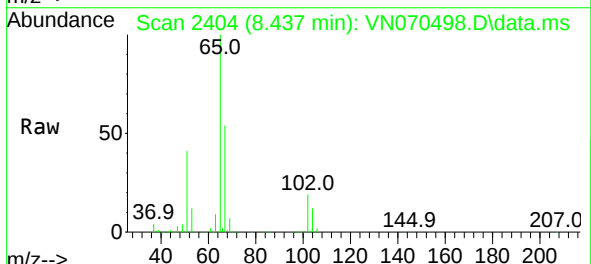


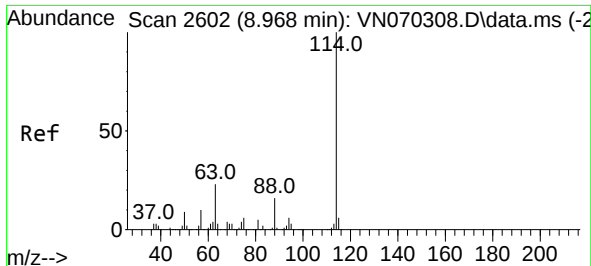
Tgt Ion: 56 Resp: 20444
Ion Ratio Lower Upper
56 100
69 178.1 27.1 40.7#
84 137.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 53.663 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

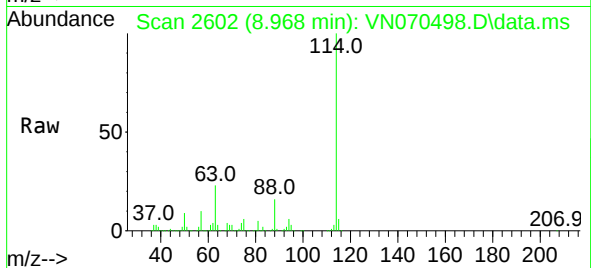
Tgt Ion: 65 Resp: 721508
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.0



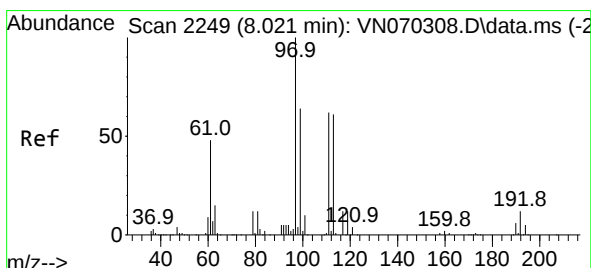
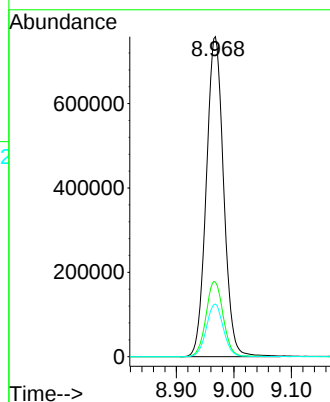
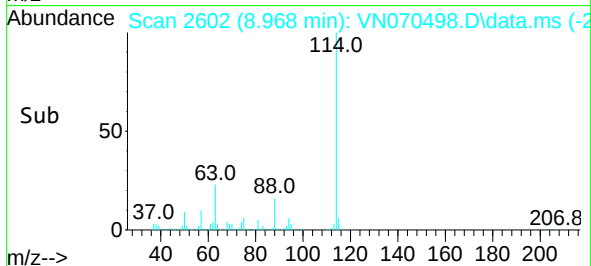


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Instrument :
MSVOA_N
ClientSampleId :

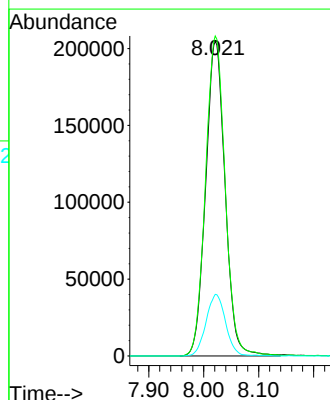
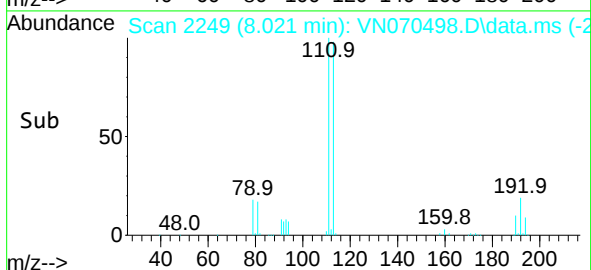
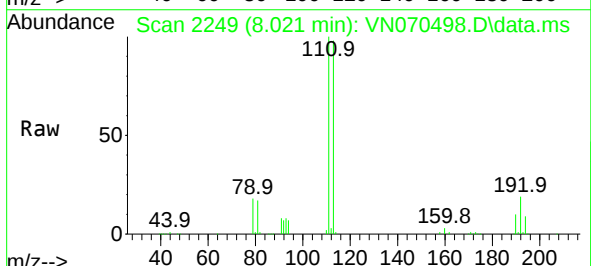


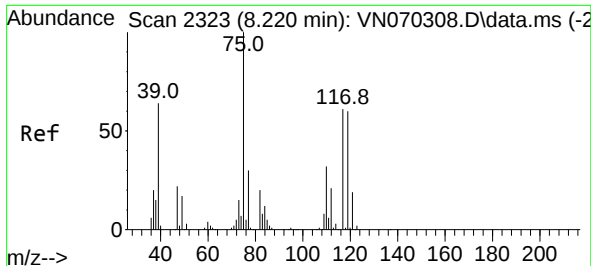
Tgt Ion:114 Resp: 1588474
Ion Ratio Lower Upper
114 100
63 23.3 0.0 37.8
88 16.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 52.355 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

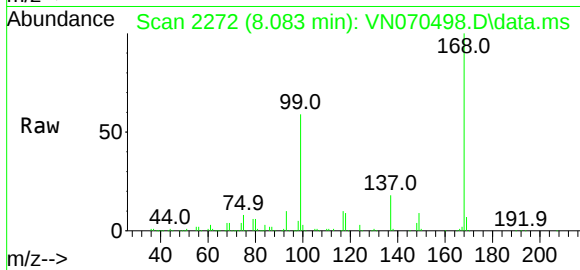
Tgt Ion:113 Resp: 503186
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 19.7 16.9 25.3



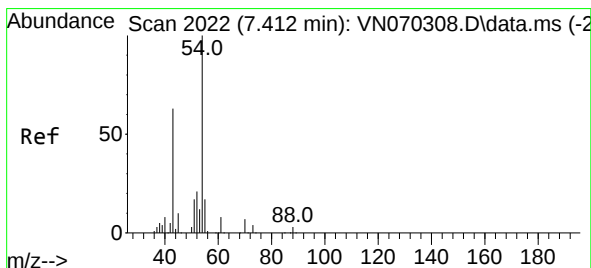
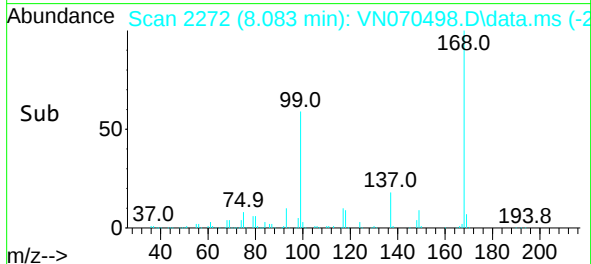
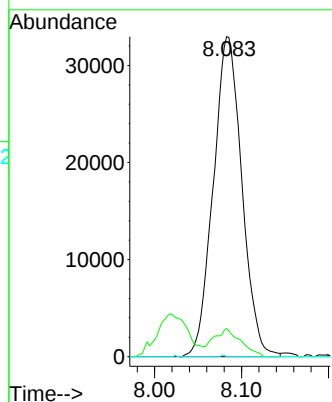


#36
 1,1-Dichloropropene
 Concen: 4.736 ug/l
 RT: 8.083 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070498.D
 Acq: 5 Jan 2022 18:54

Instrument :
 MSVOA_N
 ClientSampleId :

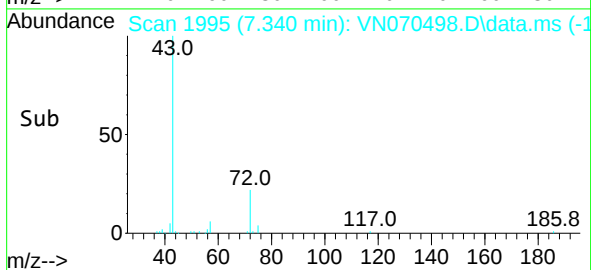
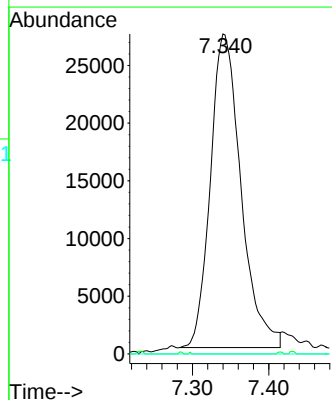
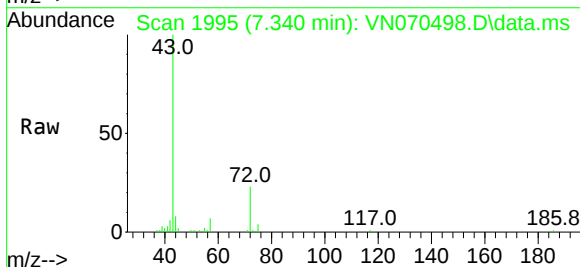


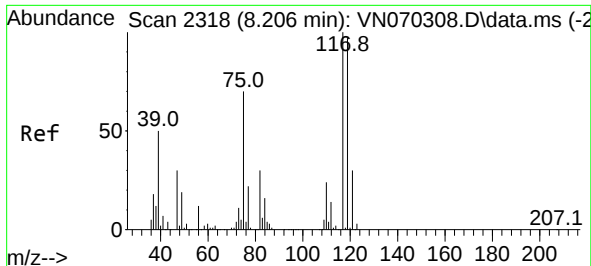
Tgt Ion: 75 Resp: 75304
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.2#
 77 0.1 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 3.670 ug/l
 RT: 7.340 min Scan# 1995
 Delta R.T. -0.072 min
 Lab File: VN070498.D
 Acq: 5 Jan 2022 18:54

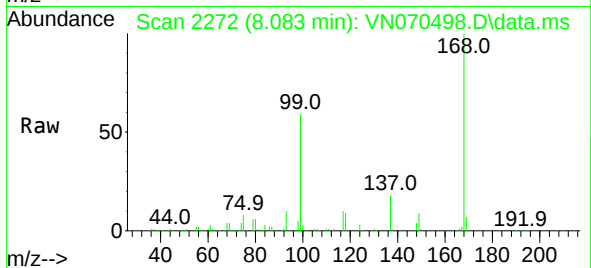
Tgt Ion: 43 Resp: 75637
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 7.9 11.9#



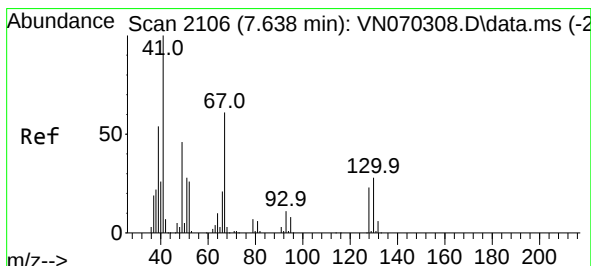
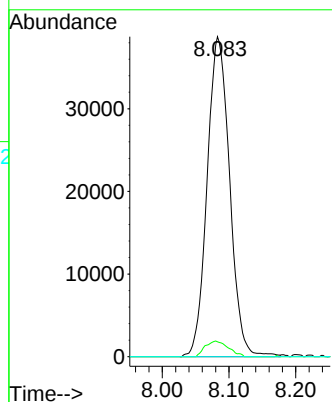
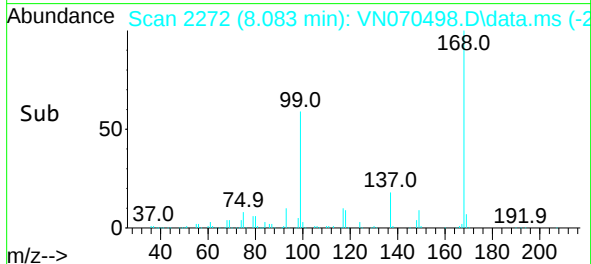


#38
Carbon Tetrachloride
Concen: 5.975 ug/l
RT: 8.083 min Scan# 2117
Delta R.T. -0.123 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Instrument :
MSVOA_N
ClientSampleId :

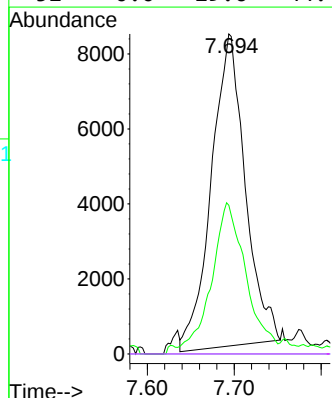
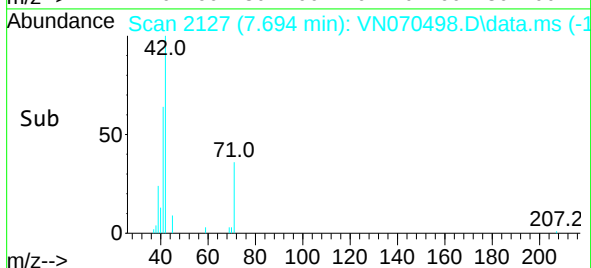
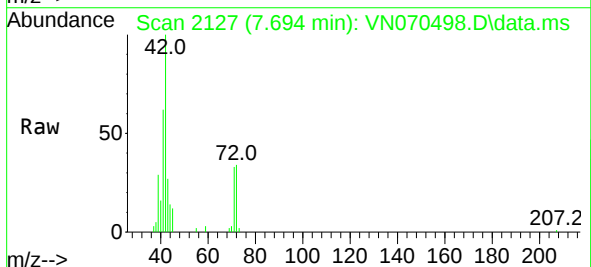


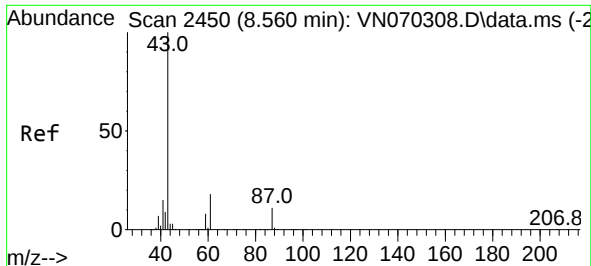
Tgt Ion:117 Resp: 90718
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 2.185 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.056 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

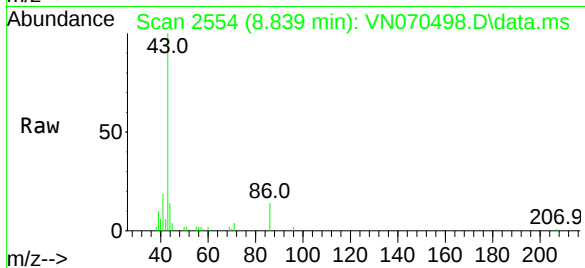
Tgt Ion: 41 Resp: 22522
Ion Ratio Lower Upper
41 100
39 46.5 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#



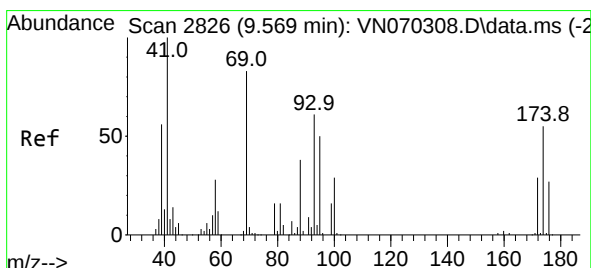
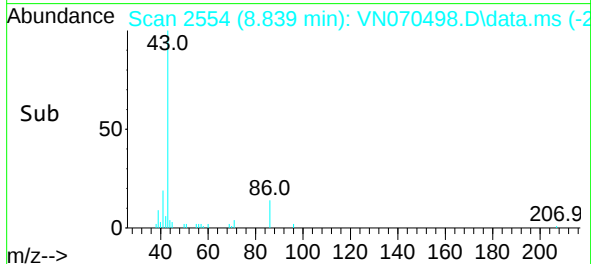
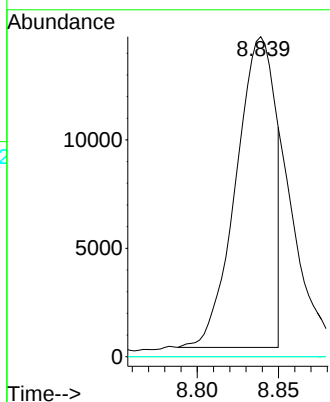


#43
Isopropyl Acetate
Concen: 0.738 ug/l
RT: 8.839 min Scan# 21
Delta R.T. 0.279 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Instrument :
MSVOA_N
ClientSampleId :

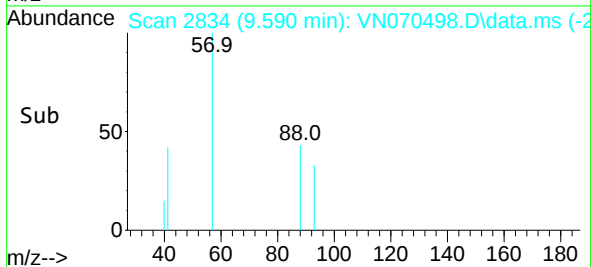
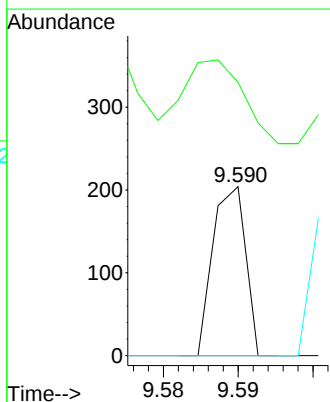
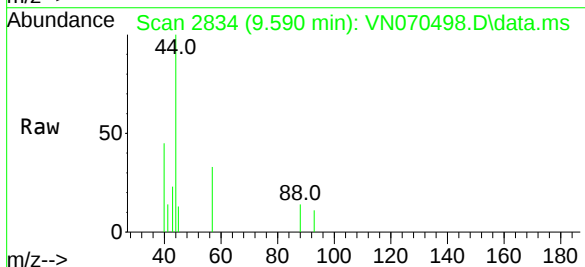


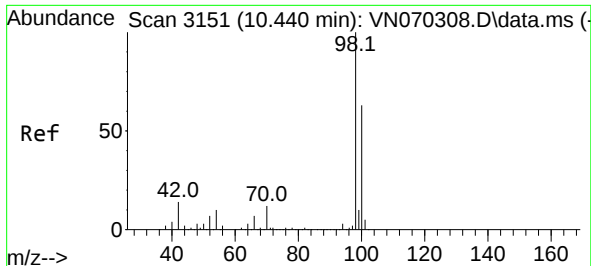
Tgt Ion: 43 Resp: 23969
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#49
1,4-Dioxane
Concen: 0.273 ug/l
RT: 9.590 min Scan# 2834
Delta R.T. 0.021 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

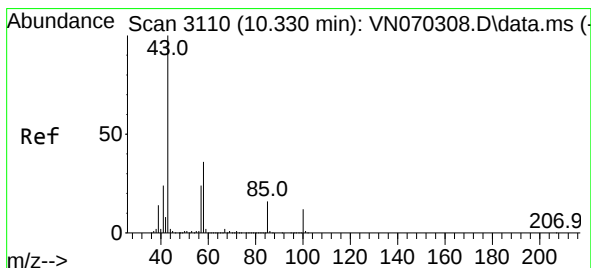
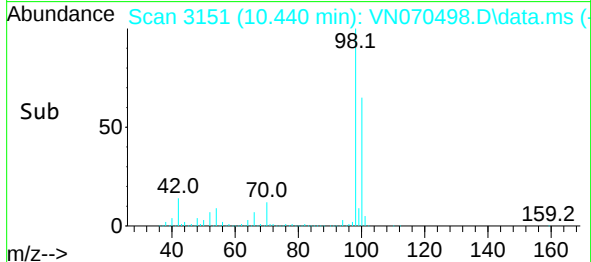
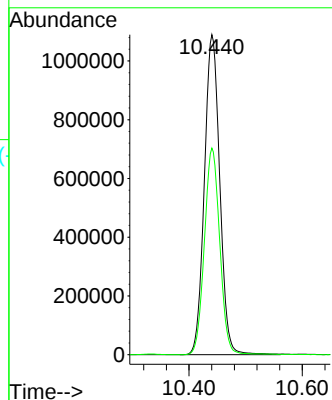
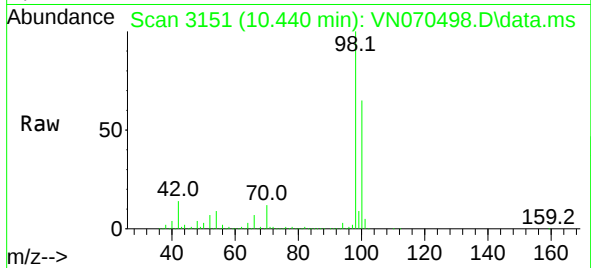




#50
Toluene-d8
Concen: 52.348 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

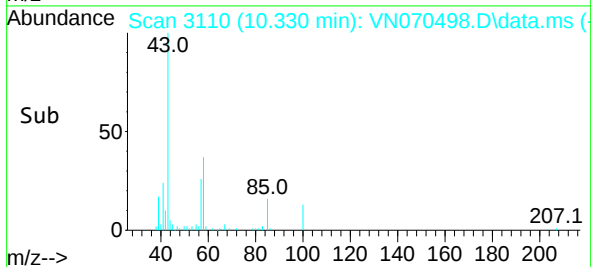
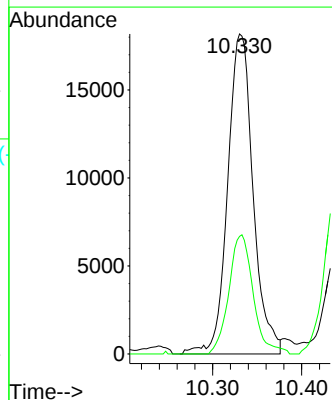
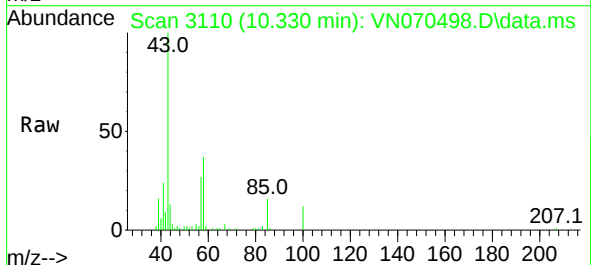
Instrument :
MSVOA_N
ClientSampleId :

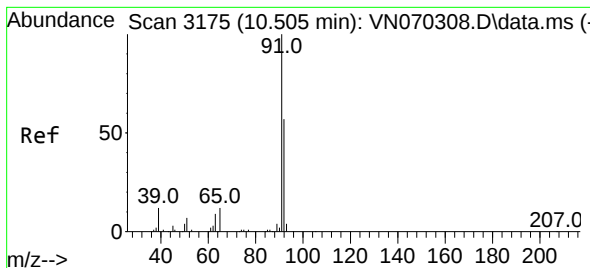
Tgt Ion: 98 Resp: 2055313
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.767 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Tgt Ion: 43 Resp: 36085
Ion Ratio Lower Upper
43 100
58 35.6 30.4 45.6





#52

Toluene

Concen: 4.400 ug/l

RT: 10.505 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN070498.D

Acq: 5 Jan 2022 18:54

Instrument :

MSVOA_N

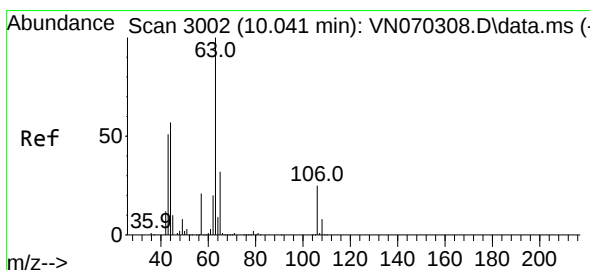
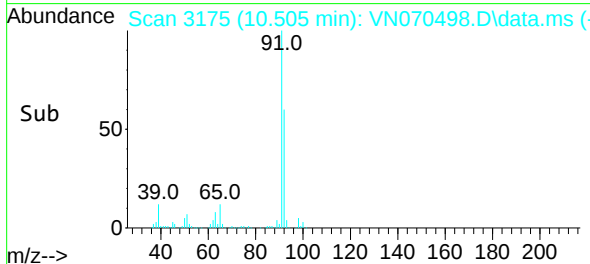
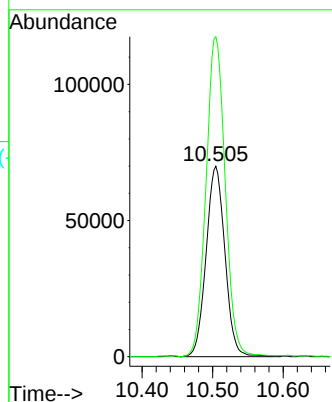
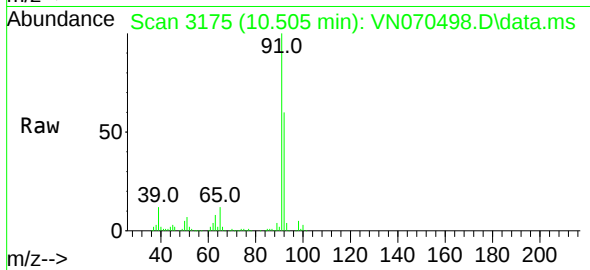
ClientSampleId :

Tgt Ion: 92 Resp: 129816

Ion Ratio Lower Upper

92 100

91 171.6 142.0 213.0



#58

2-Chloroethyl Vinyl ether

Concen: 18.542 ug/l

RT: 10.062 min Scan# 3010

Delta R.T. 0.021 min

Lab File: VN070498.D

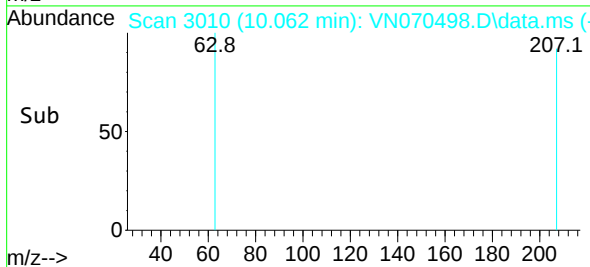
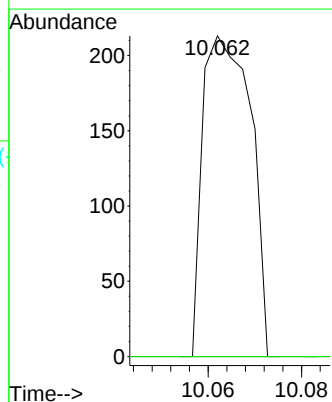
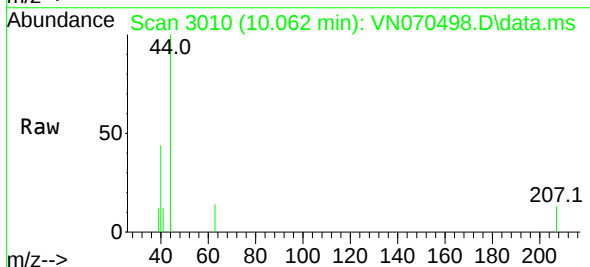
Acq: 5 Jan 2022 18:54

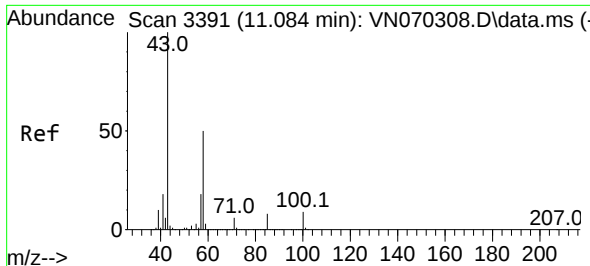
Tgt Ion: 63 Resp: 152

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

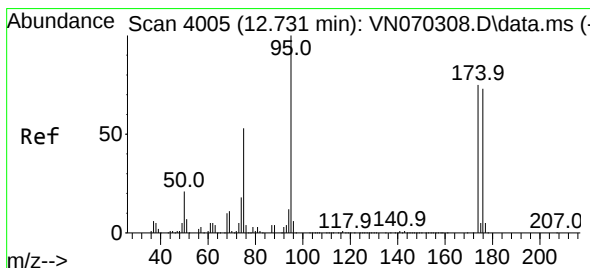
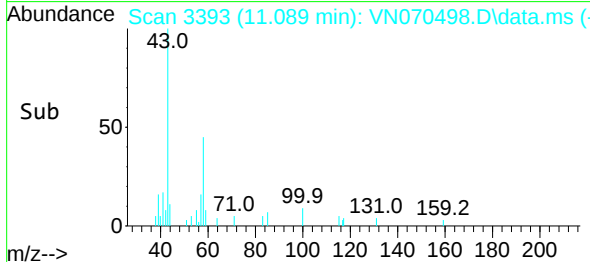
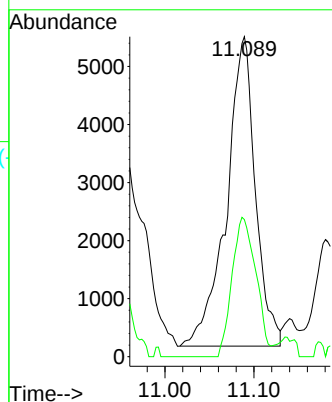
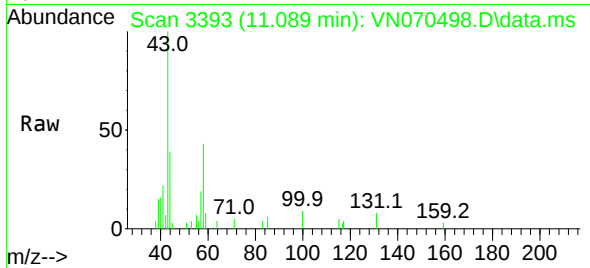




#59
2-Hexanone
Concen: 0.807 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

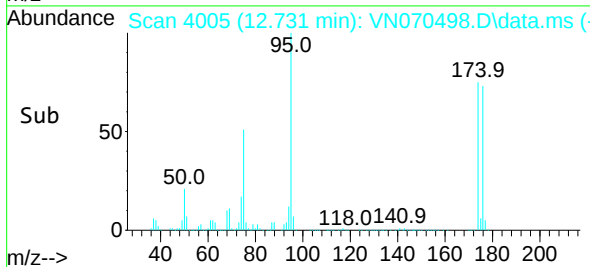
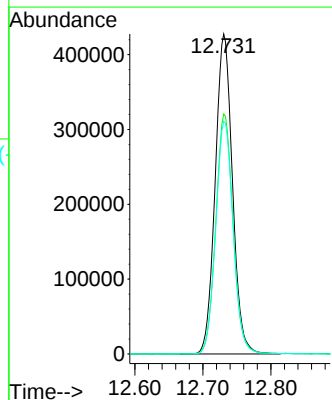
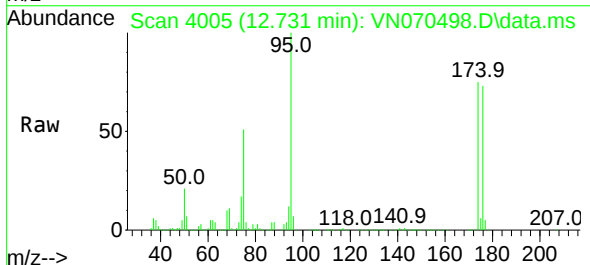
Instrument :
MSVOA_N
ClientSampleId :

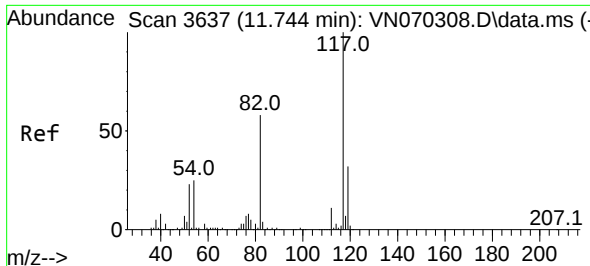
Tgt Ion: 43 Resp: 12019
Ion Ratio Lower Upper
43 100
58 37.2 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 53.131 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

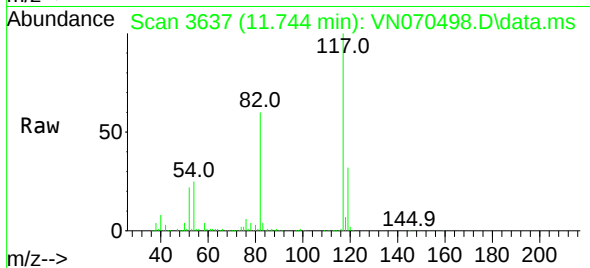
Tgt Ion: 95 Resp: 753430
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 73.5 0.0 181.4



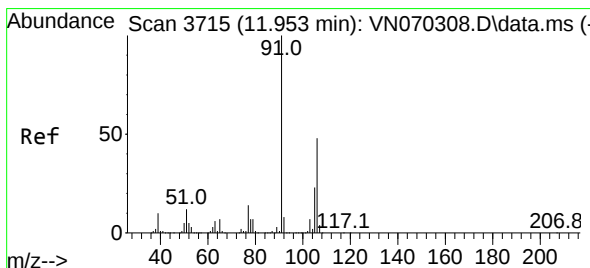
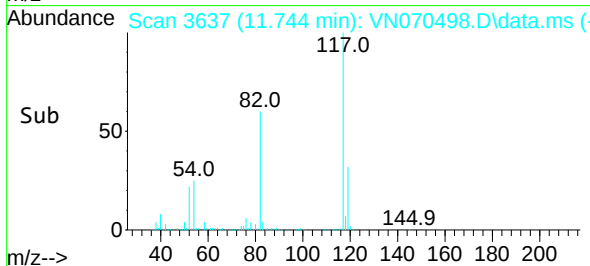
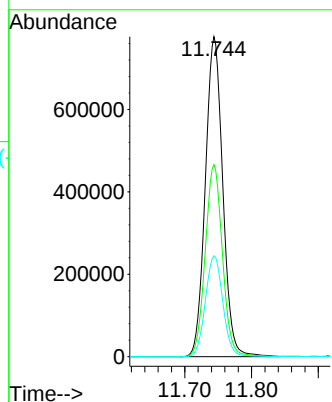


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Instrument :
MSVOA_N
ClientSampleId :

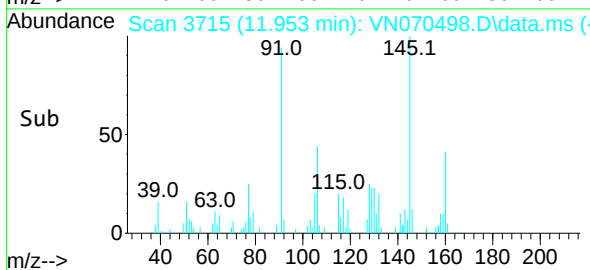
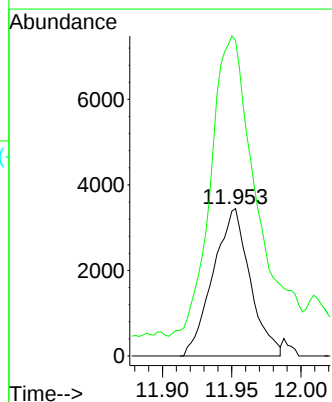
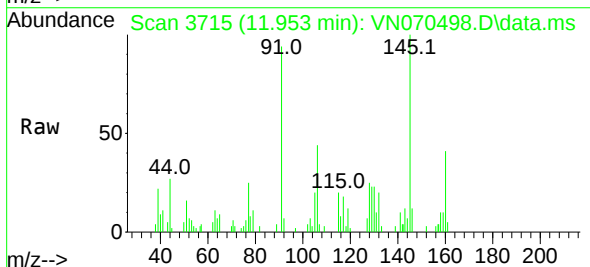


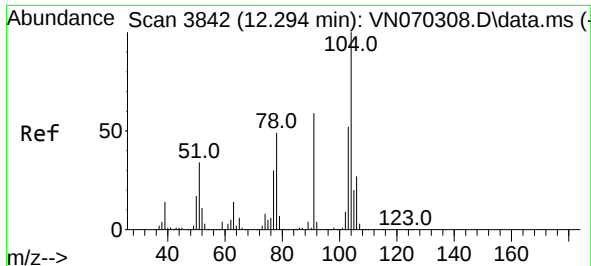
Tgt Ion:117 Resp: 1409391
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 31.6 25.4 38.2



#68
m/p-Xylenes
Concen: 0.320 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.000 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

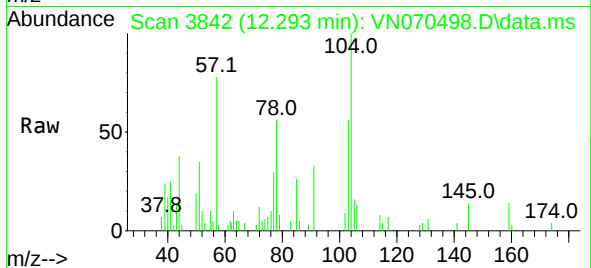
Tgt Ion:106 Resp: 6380
Ion Ratio Lower Upper
106 100
91 248.2 160.6 240.8#



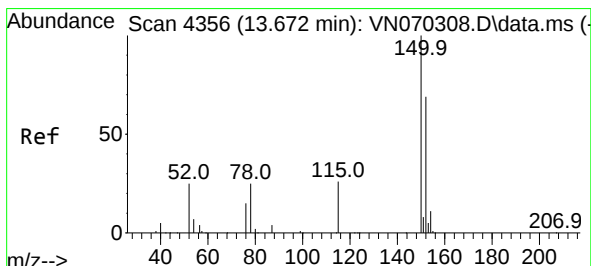
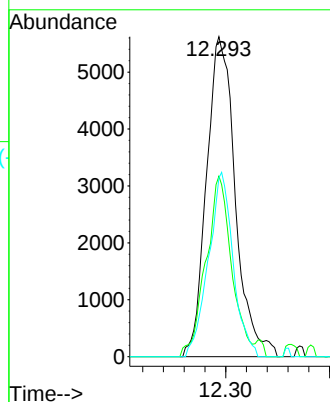
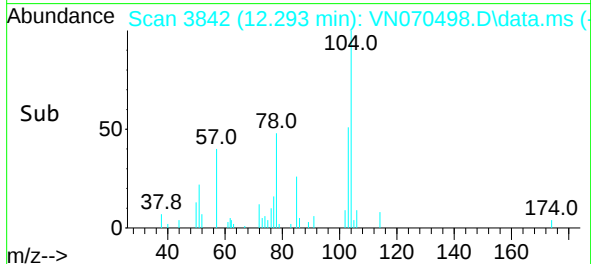


#70
Styrene
Concen: 0.345 ug/l
RT: 12.293 min Scan# 3842
Delta R.T. -0.001 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

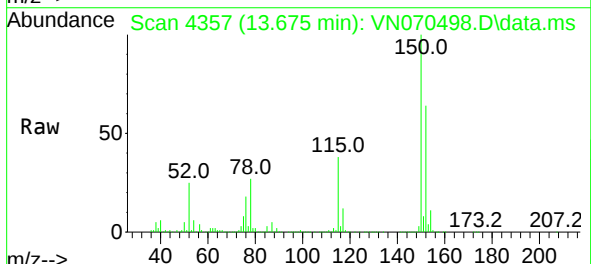
Instrument :
MSVOA_N
ClientSampleId :



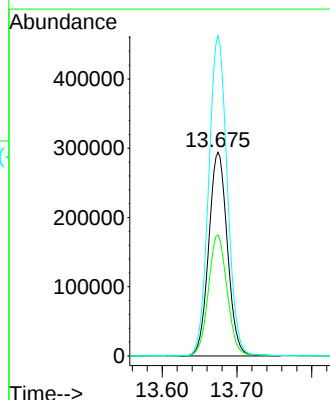
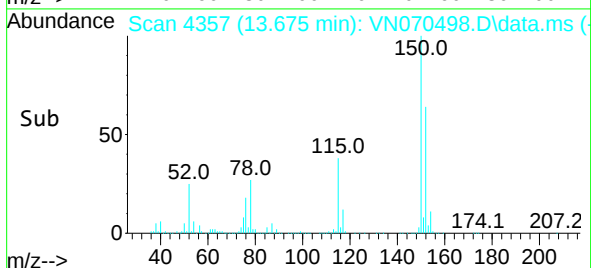
Tgt Ion:104 Resp: 10817
Ion Ratio Lower Upper
104 100
78 50.1 38.7 58.1
103 49.3 45.0 67.6

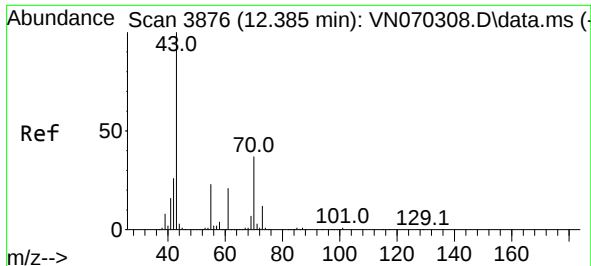


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54



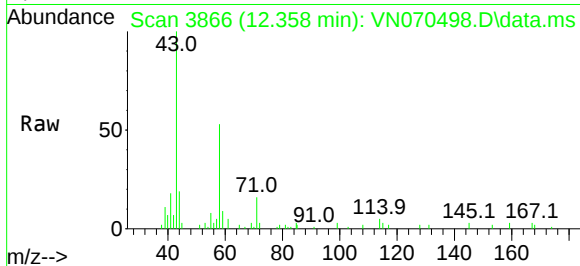
Tgt Ion:152 Resp: 510403
Ion Ratio Lower Upper
152 100
115 59.2 27.5 82.5
150 156.5 0.0 344.4



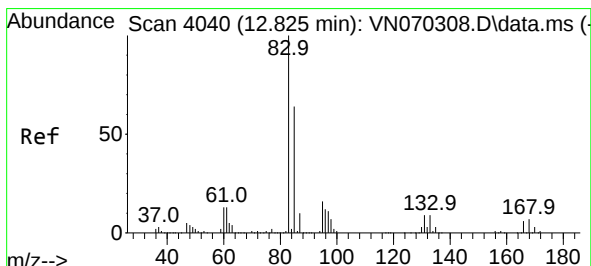
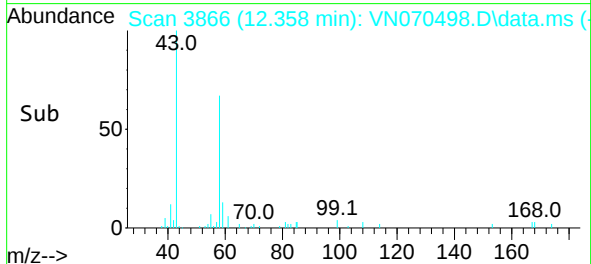
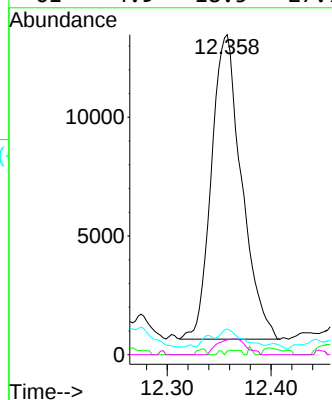


#74
N-amy1 acetate
Concen: 1.301 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.027 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Instrument :
MSVOA_N
ClientSampleId :

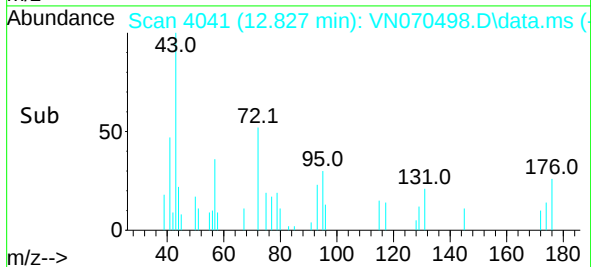
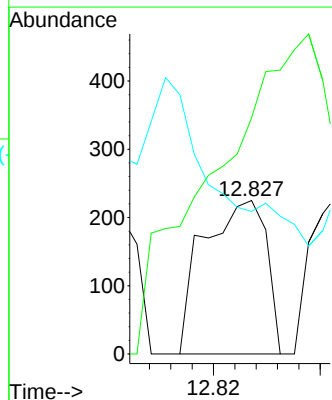
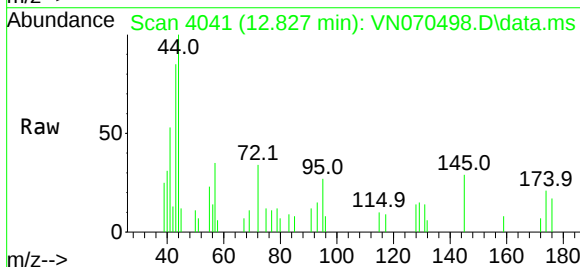


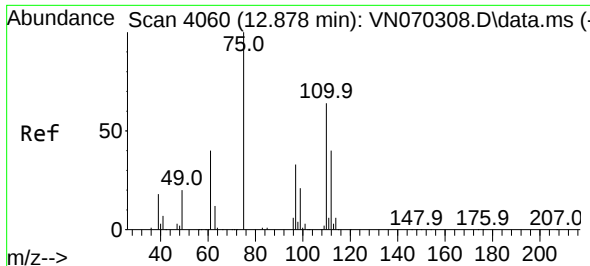
Tgt Ion: 43 Resp: 25936
Ion Ratio Lower Upper
43 100
70 0.6 33.4 50.0#
55 3.3 19.3 28.9#
61 4.9 18.5 27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.458 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.002 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Tgt Ion: 83 Resp: 184
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 270.7 32.4 97.2#

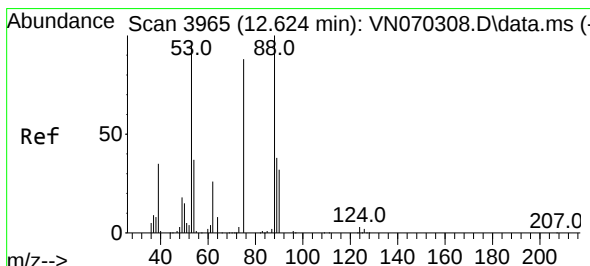
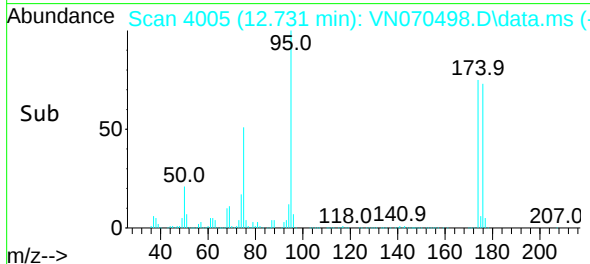
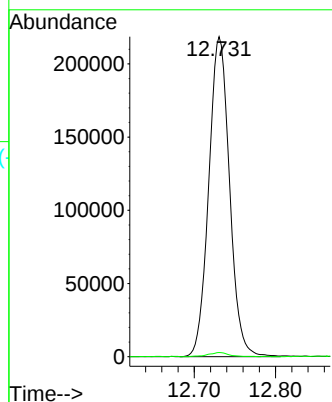
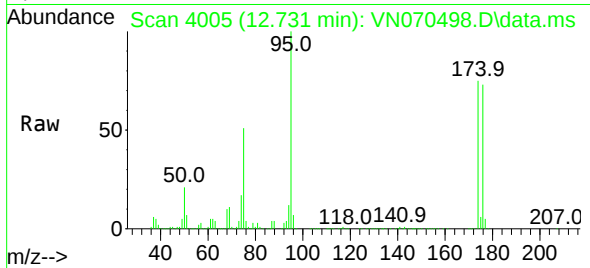




#76
1,2,3-Trichloropropane
Concen: 27.018 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

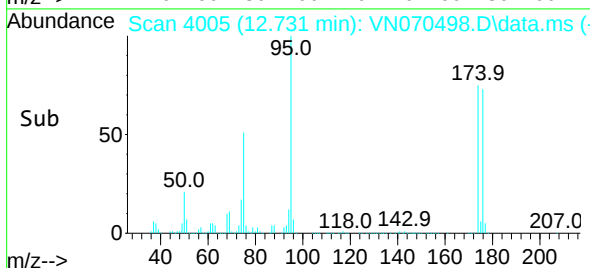
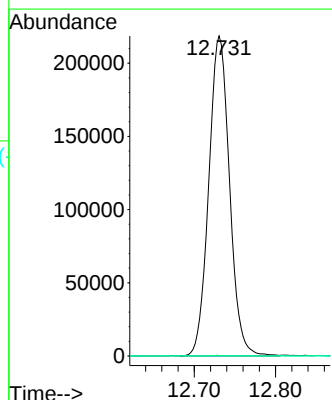
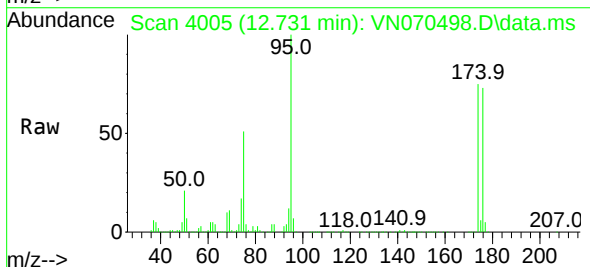
Instrument :
MSVOA_N
ClientSampleId :

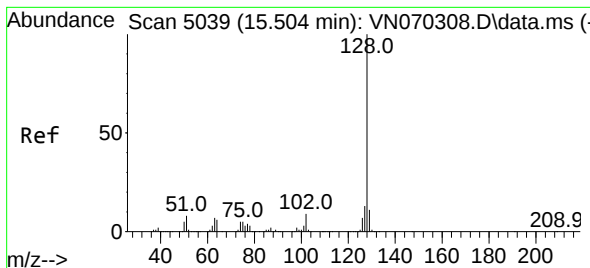
Tgt Ion: 75 Resp: 388172
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.918 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070498.D
Acq: 5 Jan 2022 18:54

Tgt Ion: 75 Resp: 388172
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#95

Naphthalene

Concen: 2.720 ug/l

RT: 15.506 min Scan# 5039

Delta R.T. 0.002 min

Lab File: VN070498.D

Acq: 5 Jan 2022 18:54

Instrument :

MSVOA_N

ClientSampleId :

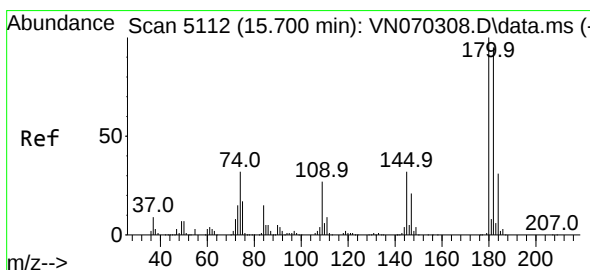
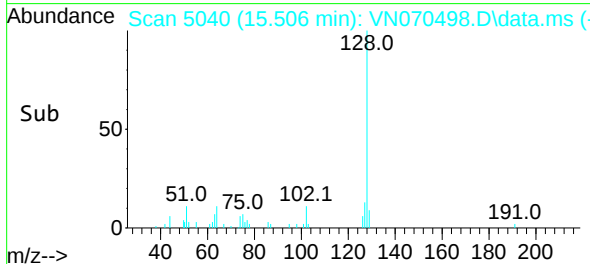
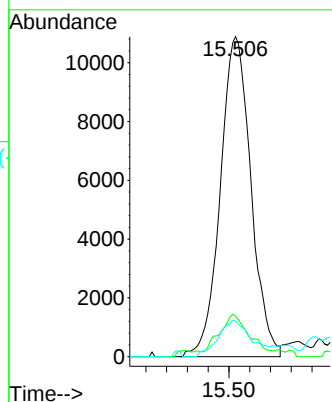
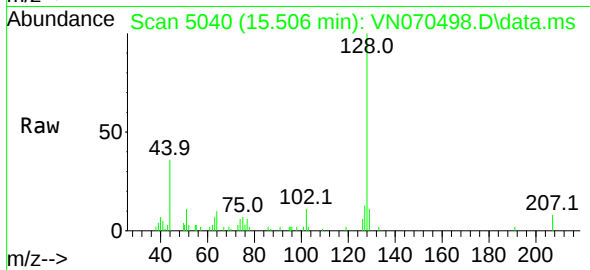
Tgt Ion:128 Resp: 22265

Ion Ratio Lower Upper

128 100

127 11.4 10.5 15.7

129 12.2 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.887 ug/l

RT: 15.702 min Scan# 5113

Delta R.T. 0.002 min

Lab File: VN070498.D

Acq: 5 Jan 2022 18:54

Tgt Ion:180 Resp: 495

Ion Ratio Lower Upper

180 100

182 27.7 47.4 142.2#

145 0.0 15.0 45.1#

