

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012122\
 Data File : VN070726.D
 Acq On : 21 Jan 2022 11:50
 Operator : JC/MD
 Sample : VN0121MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 05:27:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

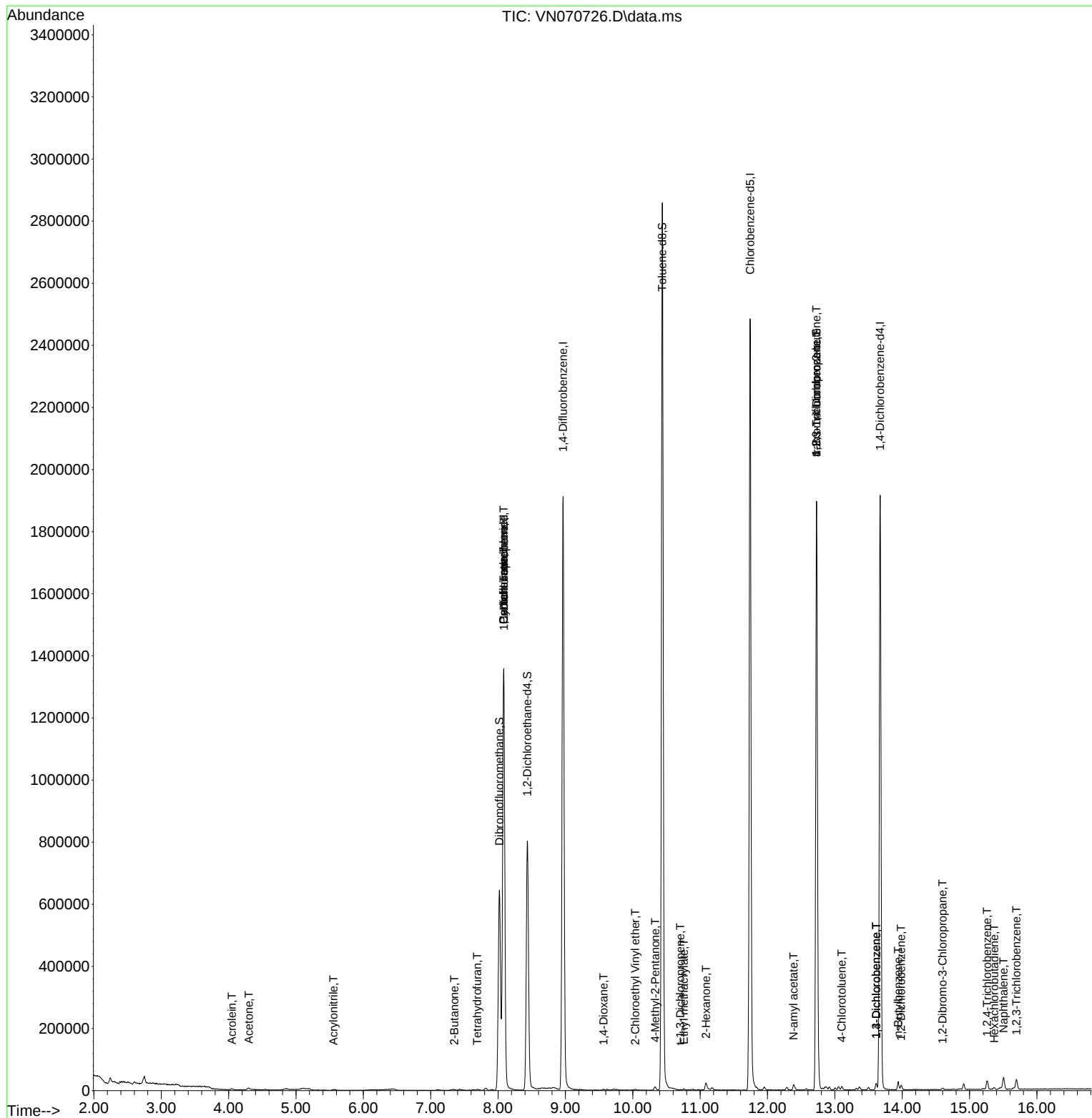
Internal Standards						
1) Pentafluorobenzene	8.083	168	1021438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1630753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1422964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	523109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	687810	46.985	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.980%
35) Dibromofluoromethane	8.019	113	481927	47.642	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.280%
50) Toluene-d8	10.438	98	1996659	46.854	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.700%
62) 4-Bromofluorobenzene	12.728	95	719191	47.361	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.720%
Target Compounds						
					Qvalue	
13) Acrolein	4.049	56	2610	0.689	ug/l	92
15) Acrylonitrile	5.556	53	1999	0.238	ug/l #	28
16) Acetone	4.299	43	9046	0.890	ug/l	99
25) 2-Butanone	7.351	43	5163	0.404	ug/l #	85
29) Tetrahydrofuran	7.691	42	2072	0.265	ug/l #	60
30) Chloroform	7.817	83	7185	Below Cal		96
31) Cyclohexane	8.083	56	23019	0.893	ug/l #	3
36) 1,1-Dichloropropene	8.086	75	85922	5.045	ug/l #	49
38) Carbon Tetrachloride	8.083	117	104047	6.868	ug/l #	16
49) 1,4-Dioxane	9.563	88	166	0.672	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	9937	0.451	ug/l	96
53) t-1,3-Dichloropropene	10.706	75	829	2.442	ug/l #	87
56) Ethyl methacrylate	10.759	69	2409	2.399	ug/l #	63
58) 2-Chloroethyl Vinyl ether	10.035	63	1434	21.456	ug/l #	51
59) 2-Hexanone	11.087	43	21196	1.324	ug/l	92
74) N-amyl acetate	12.387	43	13358	0.660	ug/l #	88
76) 1,2,3-Trichloropropane	12.728	75	379014	27.318	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	379014	81.384	ug/l #	5
82) 4-Chlorotoluene	13.101	91	8359	0.256	ug/l	90
87) 1,3-Dichlorobenzene	13.613	146	5185	0.281	ug/l	88
88) 1,4-Dichlorobenzene	13.613	146	5185	0.282	ug/l	88
89) n-Butylbenzene	13.940	91	14365	0.468	ug/l	99
91) 1,2-Dichlorobenzene	13.983	146	6156	0.338	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.600	75	1531	0.540	ug/l #	58
93) 1,2,4-Trichlorobenzene	15.263	180	10312	4.419	ug/l	93
94) Hexachlorobutadiene	15.364	225	2008	0.372	ug/l	91
95) Naphthalene	15.504	128	35615	6.132	ug/l	99
96) 1,2,3-Trichlorobenzene	15.694	180	12786	4.511	ug/l	91

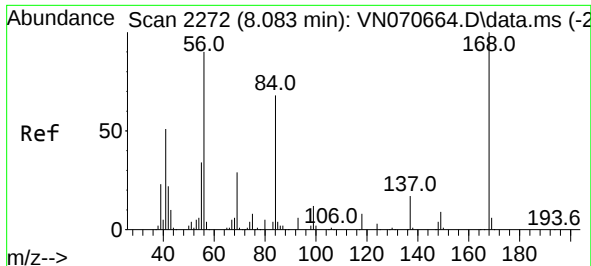
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 22 05:27:34 2022
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Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
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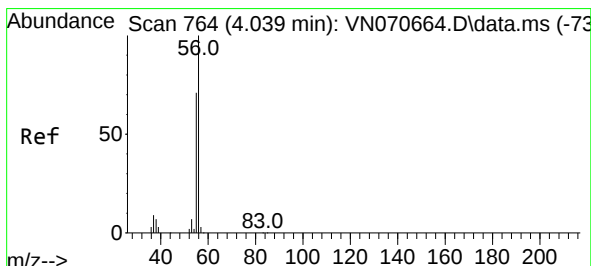
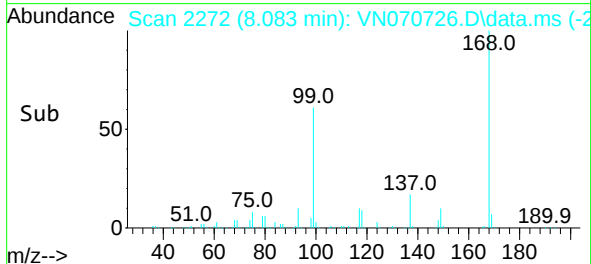
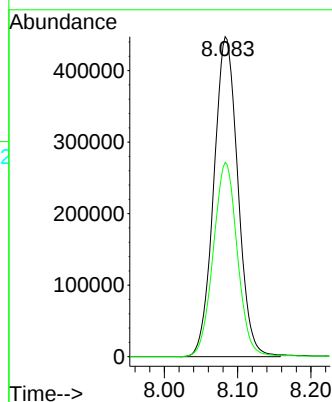
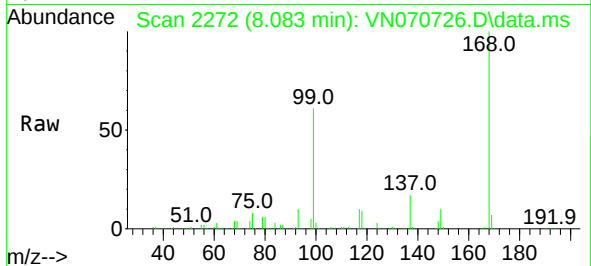




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

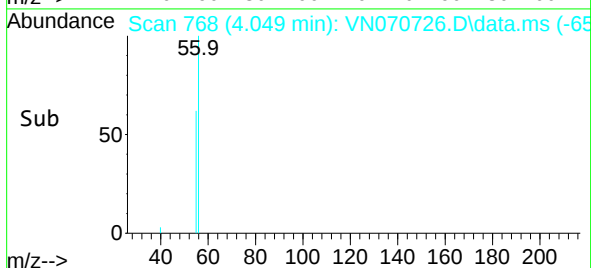
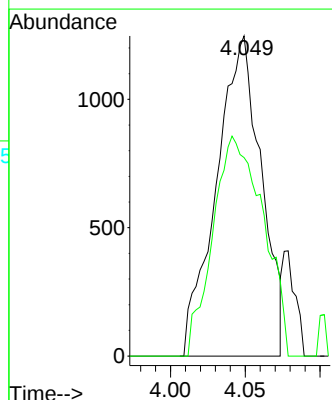
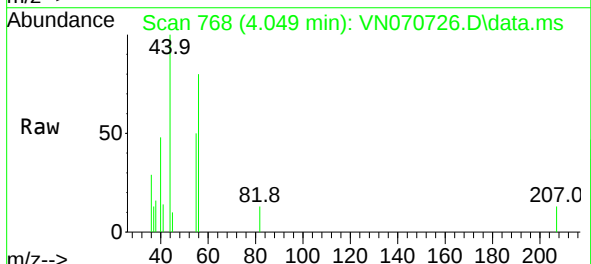
Instrument :
MSVOA_N
ClientSampleId :

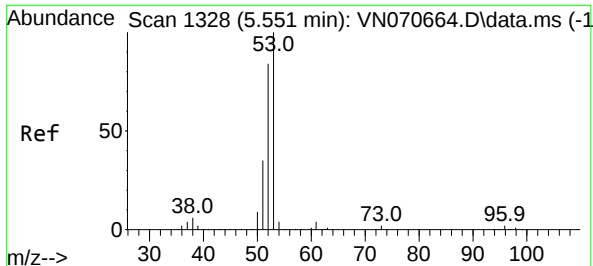
Tgt Ion:168 Resp: 1021438
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#13
Acrolein
Concen: 0.689 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

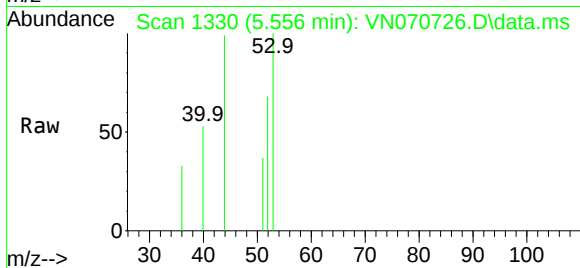
Tgt Ion: 56 Resp: 2610
Ion Ratio Lower Upper
56 100
55 77.0 56.6 85.0



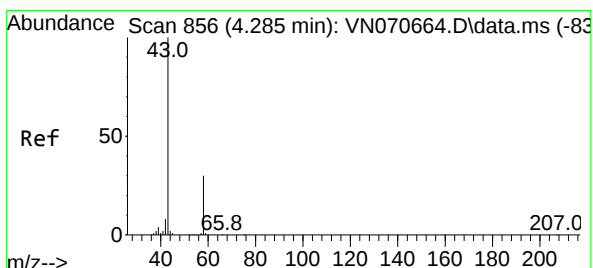
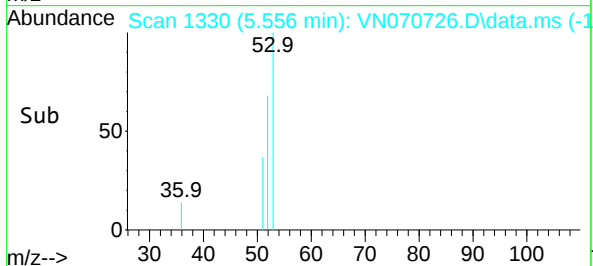
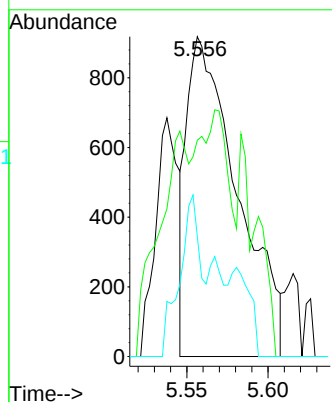


#15
Acrylonitrile
Concen: 0.238 ug/l
RT: 5.556 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Instrument :
MSVOA_N
ClientSampleId :

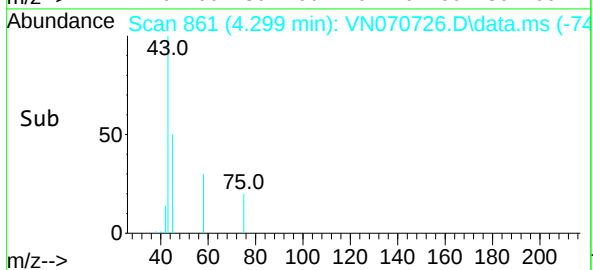
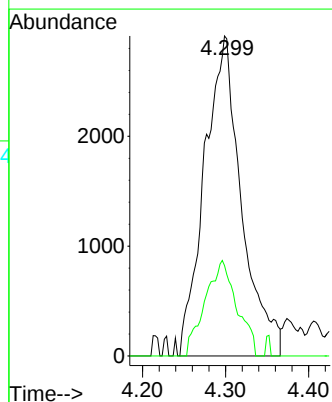
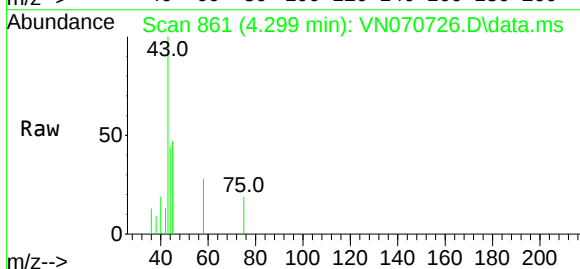


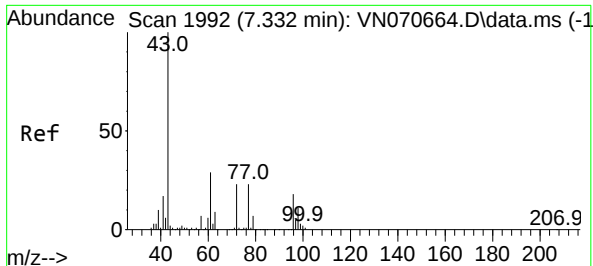
Tgt Ion: 53 Resp: 1999
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.2#
51 21.3 29.6 44.4#



#16
Acetone
Concen: 0.890 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Tgt Ion: 43 Resp: 9046
Ion Ratio Lower Upper
43 100
58 28.3 23.1 34.7





#25

2-Butanone

Concen: 0.404 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.019 min

Lab File: VN070726.D

Acq: 21 Jan 2022 11:50

Instrument :

MSVOA_N

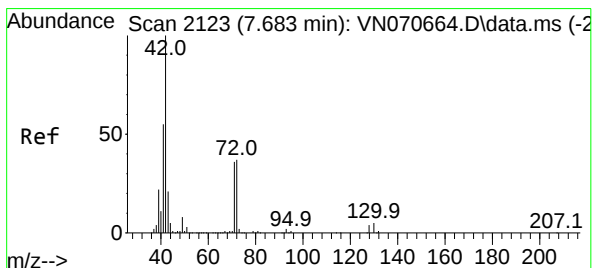
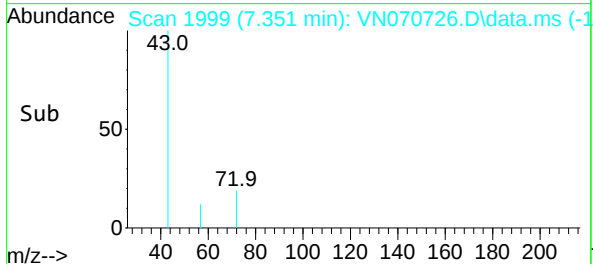
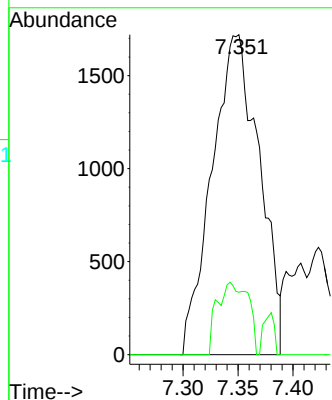
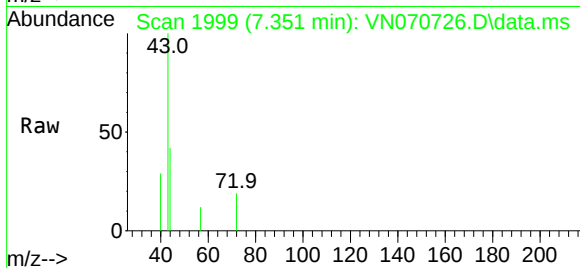
ClientSampleId :

Tgt Ion: 43 Resp: 5163

Ion Ratio Lower Upper

43 100

72 19.5 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.265 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.008 min

Lab File: VN070726.D

Acq: 21 Jan 2022 11:50

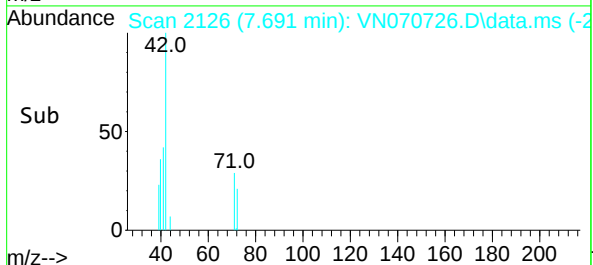
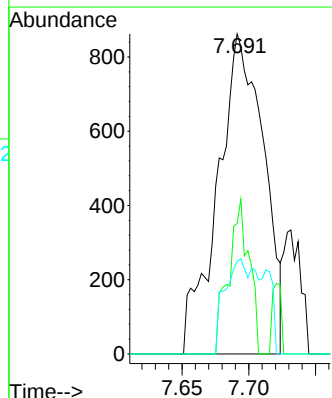
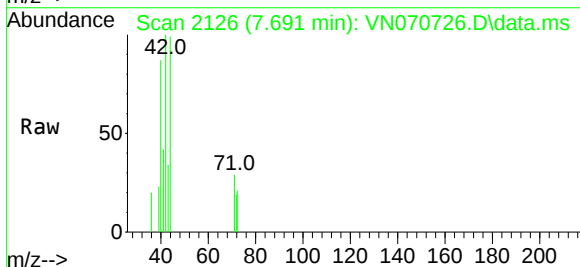
Tgt Ion: 42 Resp: 2072

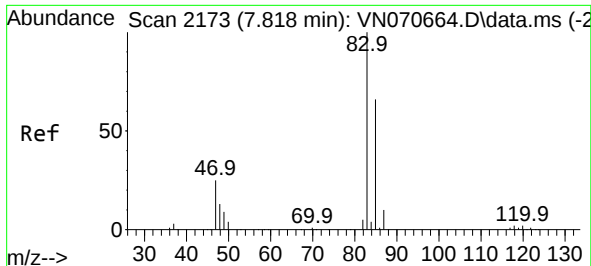
Ion Ratio Lower Upper

42 100

72 21.6 36.3 54.5#

71 14.6 34.7 52.1#

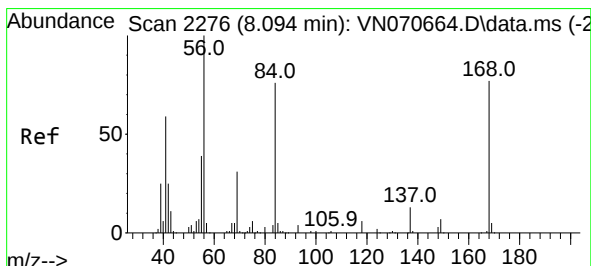
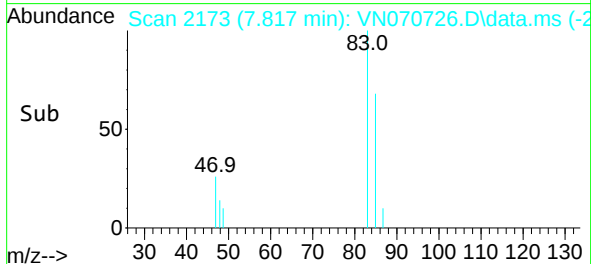
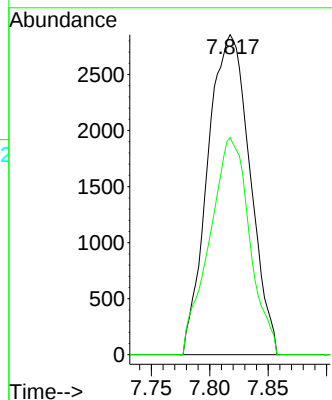
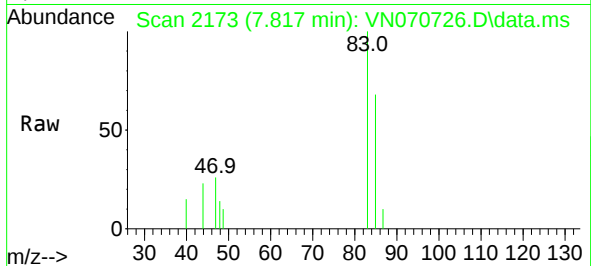




#30
Chloroform
Concen: Below Cal
RT: 7.817 min Scan# 2173
Delta R.T. -0.001 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

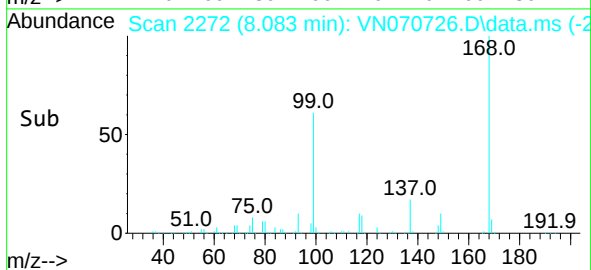
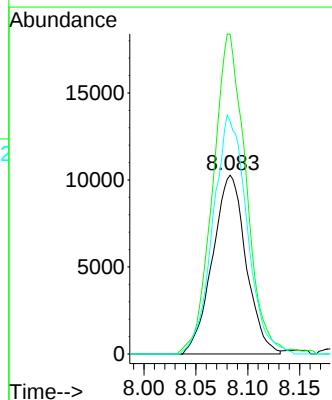
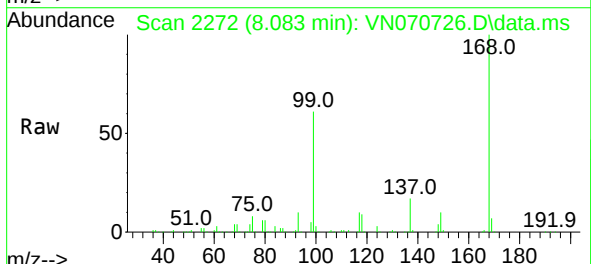
Instrument :
MSVOA_N
ClientSampleId :

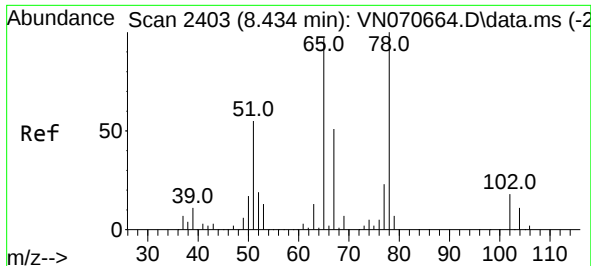
Tgt Ion: 83 Resp: 7185
Ion Ratio Lower Upper
83 100
85 67.9 51.9 77.9



#31
Cyclohexane
Concen: 0.893 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Tgt Ion: 56 Resp: 23019
Ion Ratio Lower Upper
56 100
69 177.1 27.1 40.7#
84 130.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.985 ug/l

RT: 8.434 min Scan# 2403

Delta R.T. 0.000 min

Lab File: VN070726.D

Acq: 21 Jan 2022 11:50

Instrument :

MSVOA_N

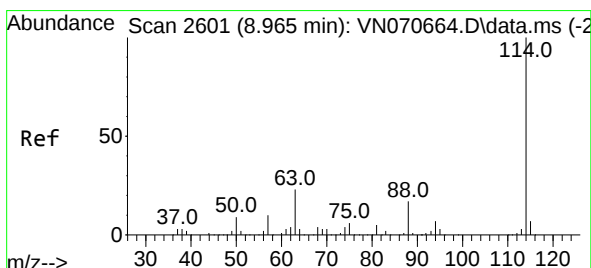
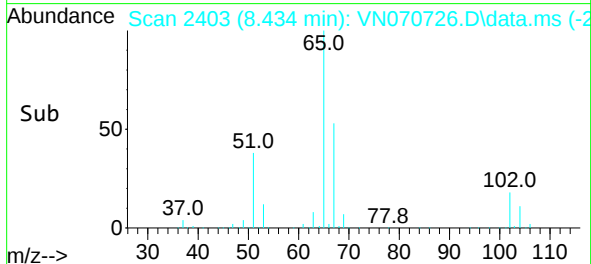
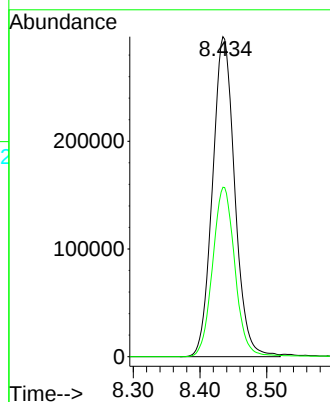
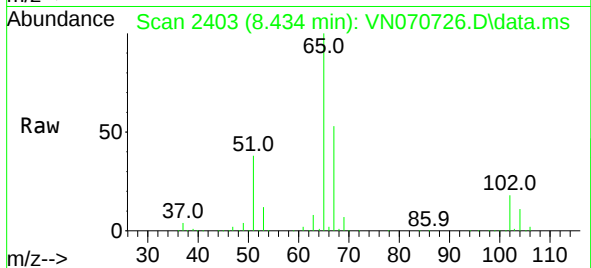
ClientSampleId :

Tgt Ion: 65 Resp: 687810

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. 0.000 min

Lab File: VN070726.D

Acq: 21 Jan 2022 11:50

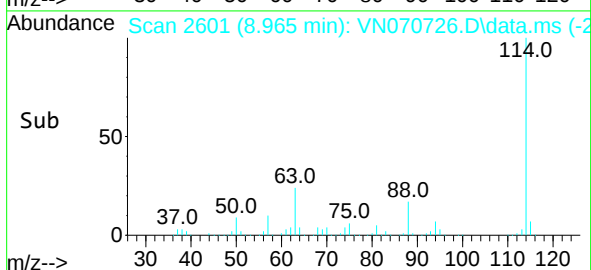
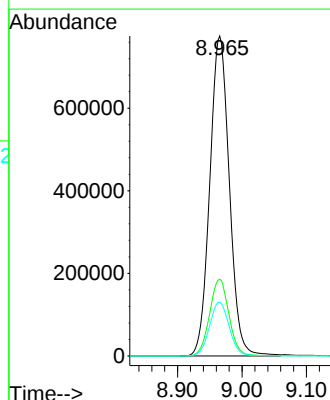
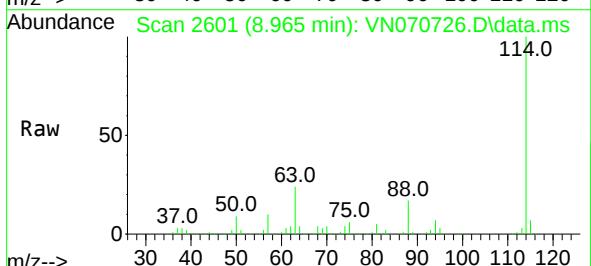
Tgt Ion: 114 Resp: 1630753

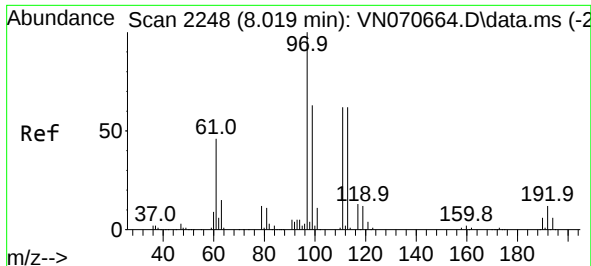
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

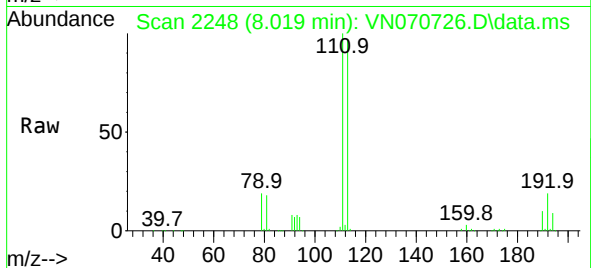
88 16.8 0.0 27.4



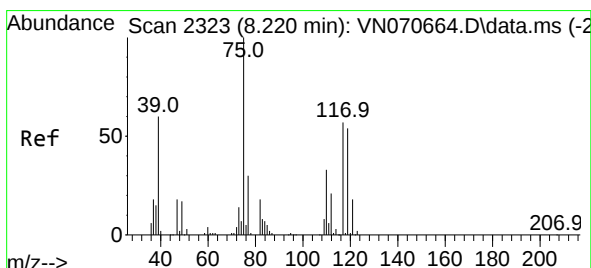
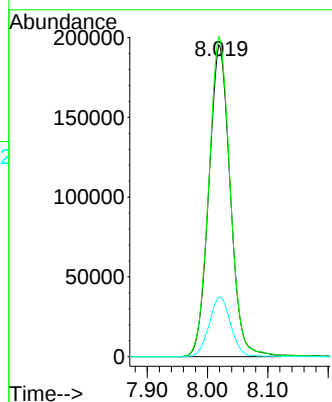
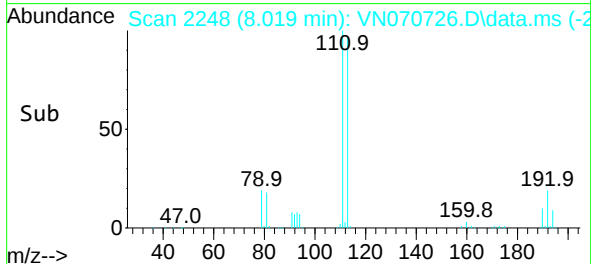


#35
Dibromofluoromethane
Concen: 47.642 ug/l
RT: 8.019 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

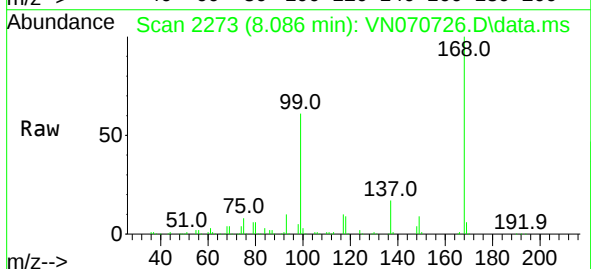
Instrument :
MSVOA_N
ClientSampleId :



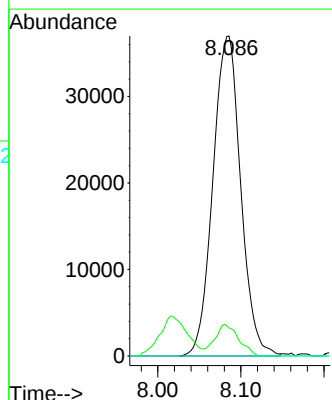
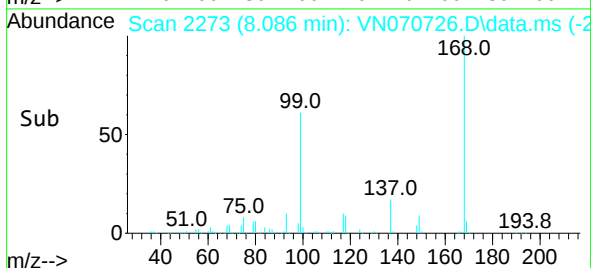
Tgt Ion:113 Resp: 481927
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 19.3 16.9 25.3

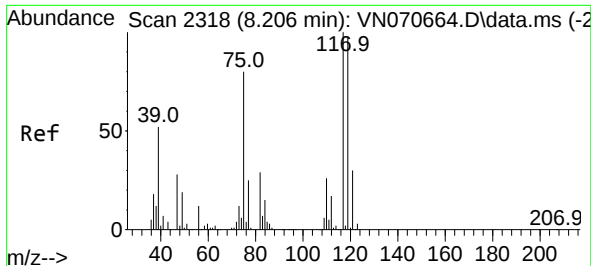


#36
1,1-Dichloropropene
Concen: 5.045 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50



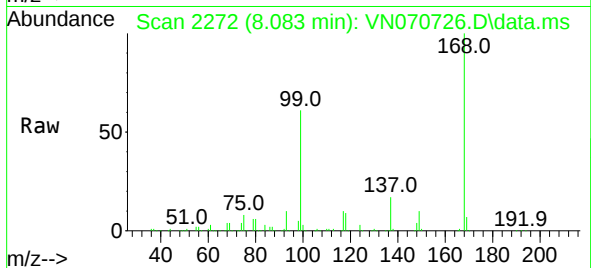
Tgt Ion: 75 Resp: 85922
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#



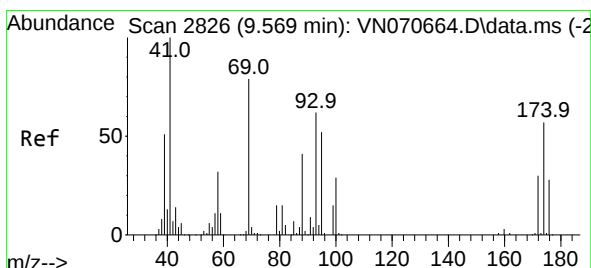
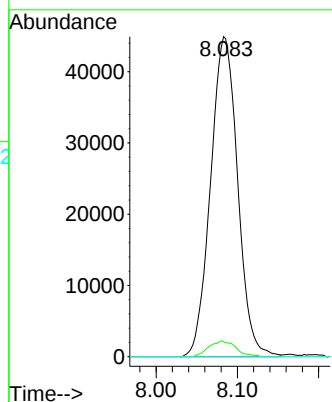
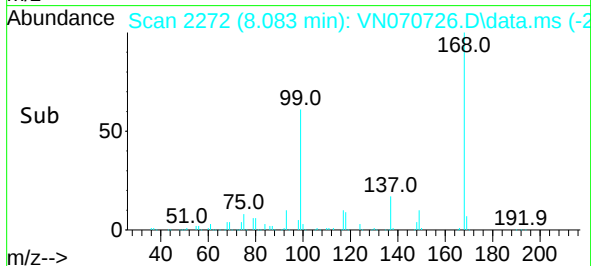


#38
Carbon Tetrachloride
Concen: 6.868 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.123 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Instrument :
MSVOA_N
ClientSampleId :

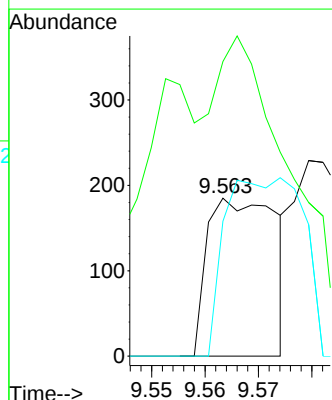
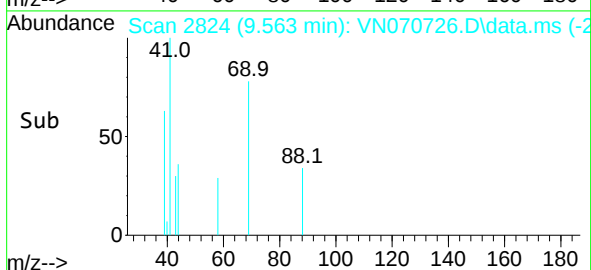
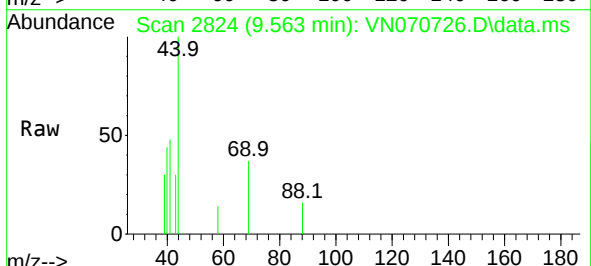


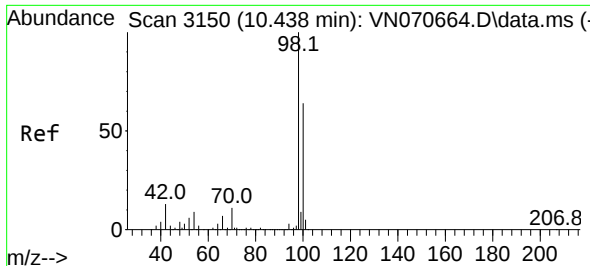
Tgt Ion:117 Resp: 104047
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.672 ug/l
RT: 9.563 min Scan# 2824
Delta R.T. -0.006 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Tgt Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 206.6 23.4 35.2#
58 0.0 50.6 75.8#

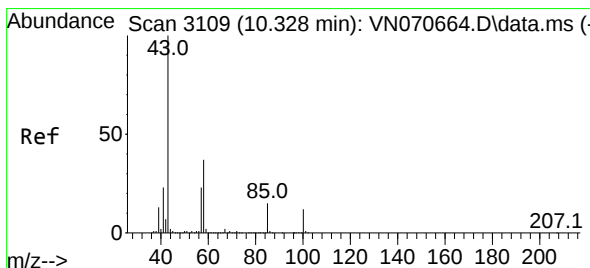
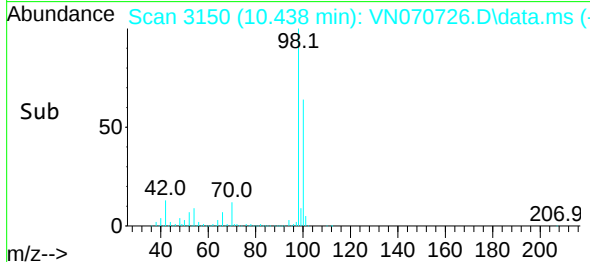
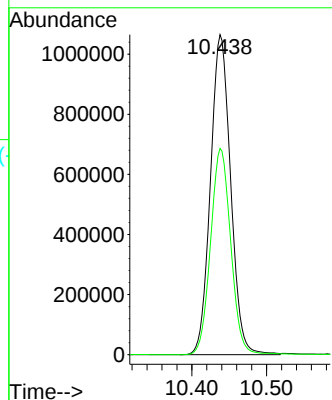
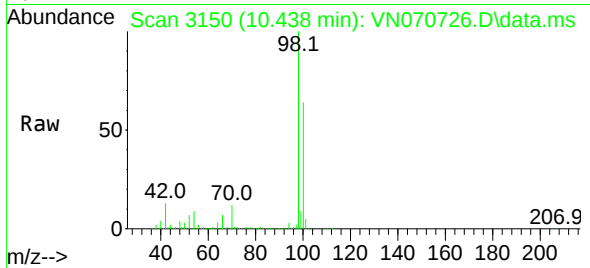




#50
Toluene-d8
Concen: 46.854 ug/l
RT: 10.438 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

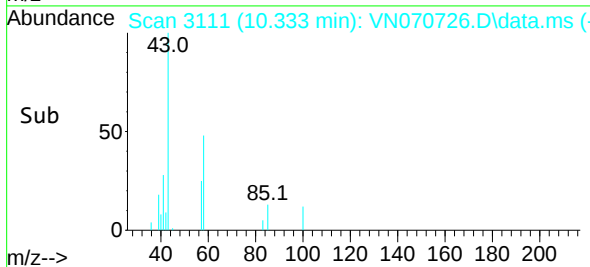
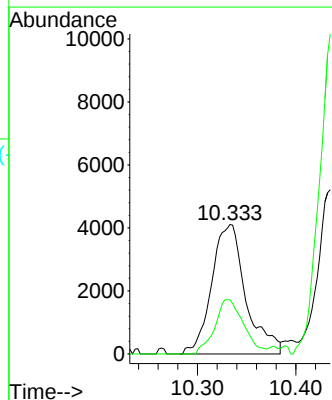
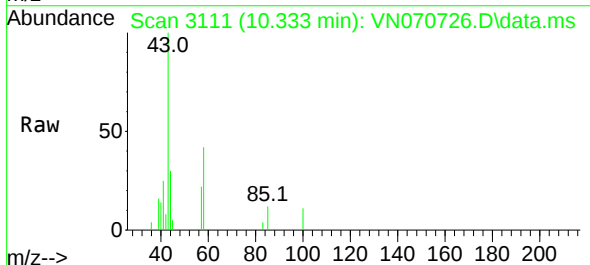
Instrument :
MSVOA_N
ClientSampleId :

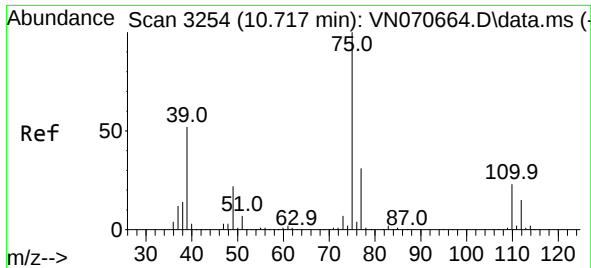
Tgt Ion: 98 Resp: 1996659
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.451 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Tgt Ion: 43 Resp: 9937
Ion Ratio Lower Upper
43 100
58 35.5 30.4 45.6

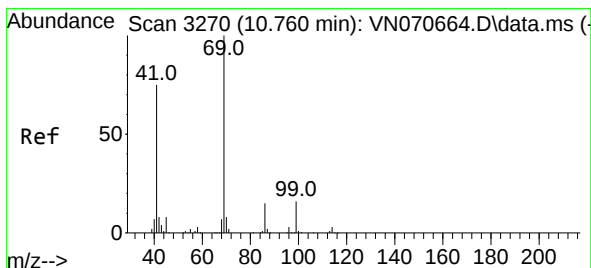
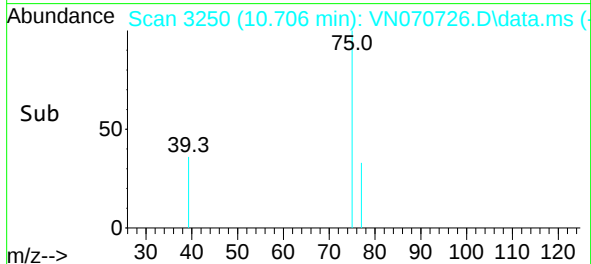
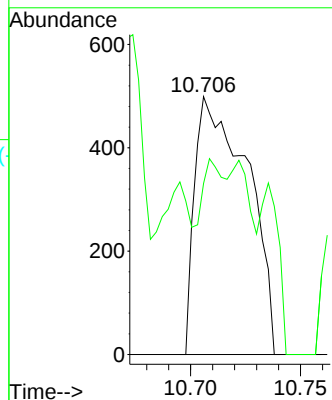
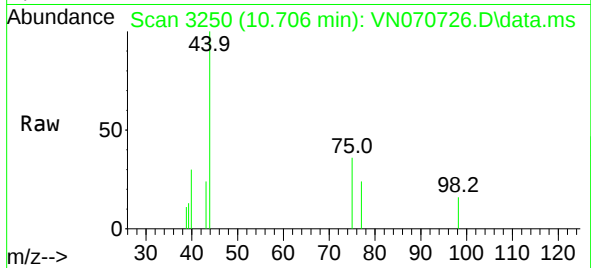




#53
t-1,3-Dichloropropene
Concen: 2.442 ug/l
RT: 10.706 min Scan# 31
Delta R.T. -0.011 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

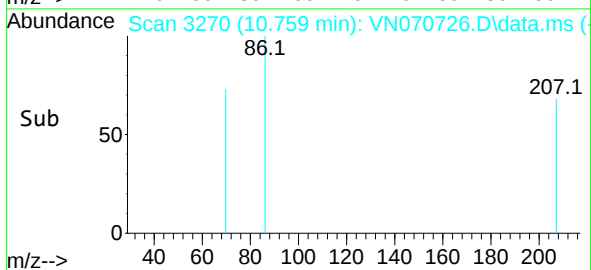
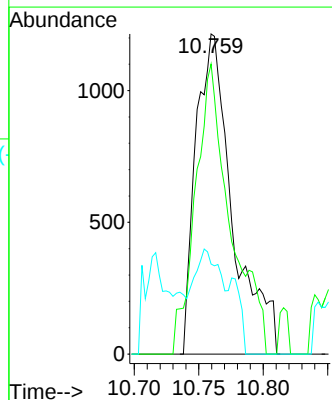
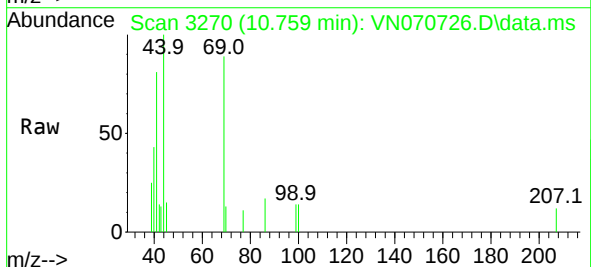
Instrument :
MSVOA_N
ClientSampleId :

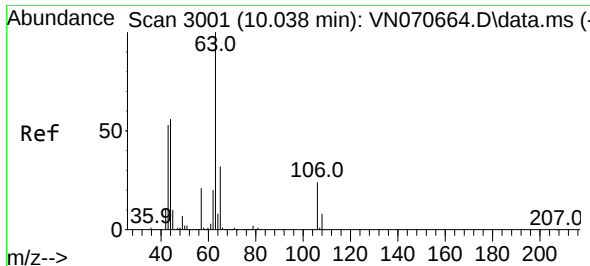
Tgt Ion: 75 Resp: 829
Ion Ratio Lower Upper
75 100
77 24.8 25.6 38.4#



#56
Ethyl methacrylate
Concen: 2.399 ug/l
RT: 10.759 min Scan# 3270
Delta R.T. -0.001 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Tgt Ion: 69 Resp: 2409
Ion Ratio Lower Upper
69 100
41 85.8 51.4 77.0#
39 10.5 34.6 52.0#

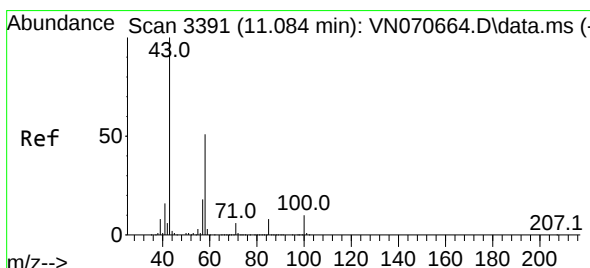
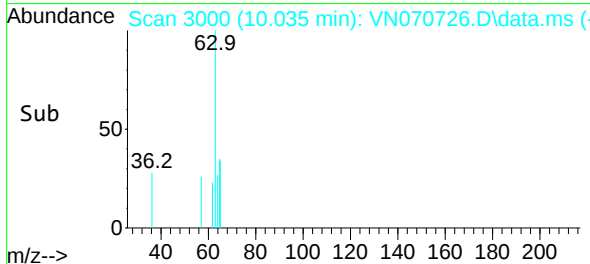
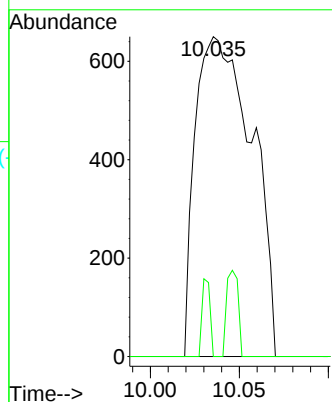
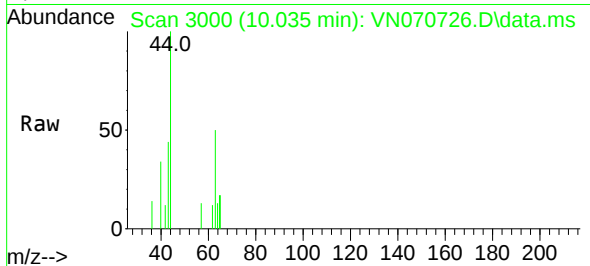




#58
2-Chloroethyl Vinyl ether
Concen: 21.456 ug/l
RT: 10.035 min Scan# 3001
Delta R.T. -0.003 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

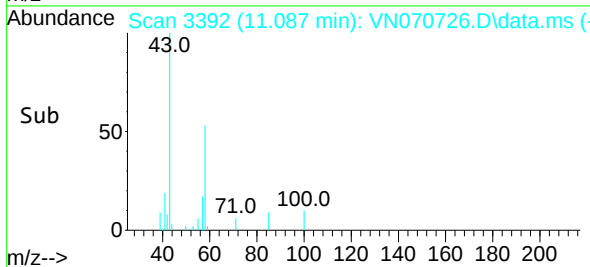
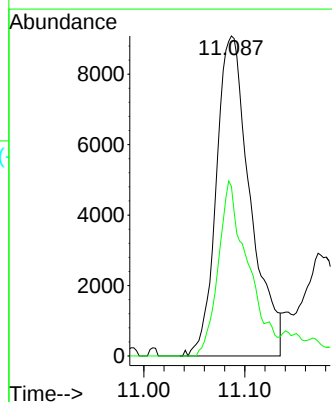
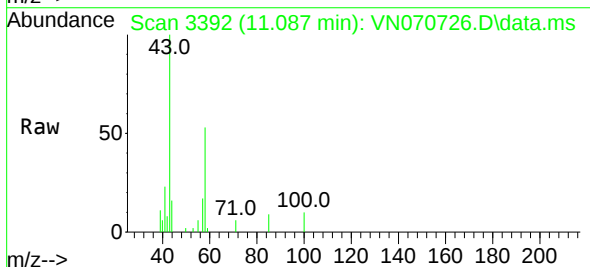
Instrument :
MSVOA_N
ClientSampleId :

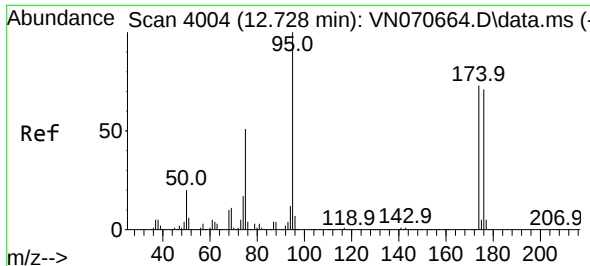
Tgt Ion: 63 Resp: 1434
Ion Ratio Lower Upper
63 100
106 3.5 23.9 35.9#



#59
2-Hexanone
Concen: 1.324 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Tgt Ion: 43 Resp: 21196
Ion Ratio Lower Upper
43 100
58 47.8 26.9 80.7

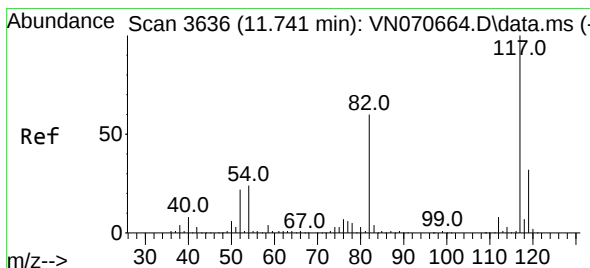
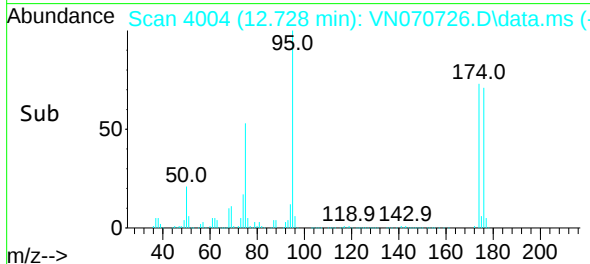
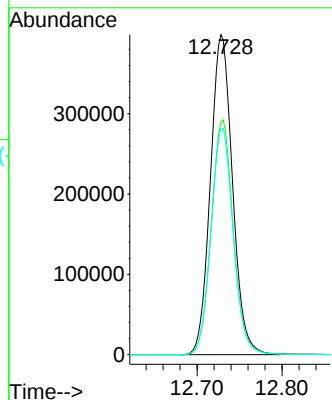
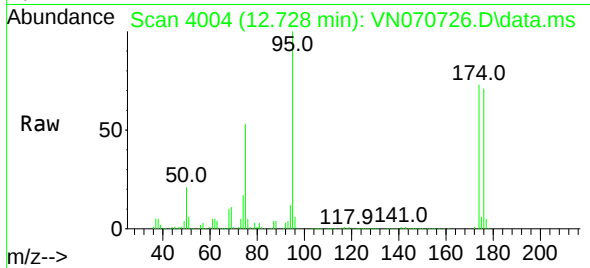




#62
4-Bromofluorobenzene
Concen: 47.361 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

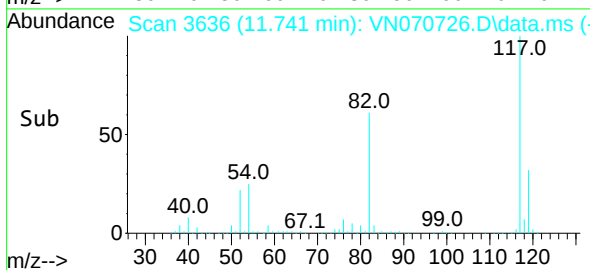
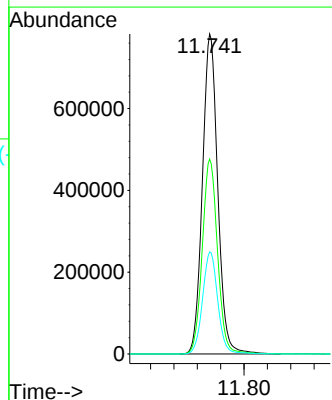
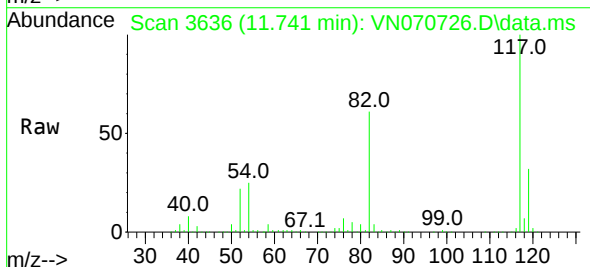
Instrument :
MSVOA_N
ClientSampleId :

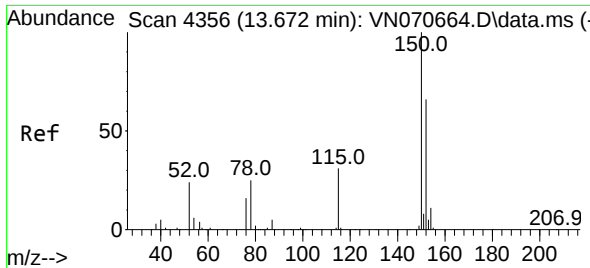
Tgt Ion: 95 Resp: 719191
Ion Ratio Lower Upper
95 100
174 73.1 0.0 187.2
176 71.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. 0.000 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Tgt Ion: 117 Resp: 1422964
Ion Ratio Lower Upper
117 100
82 60.9 42.4 63.6
119 31.9 25.4 38.2

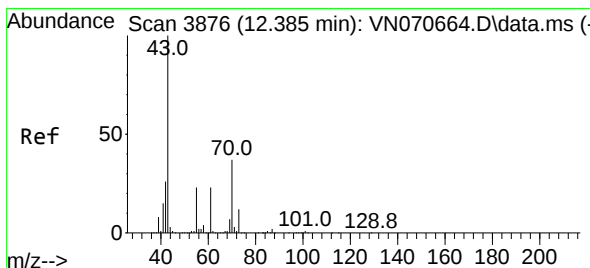
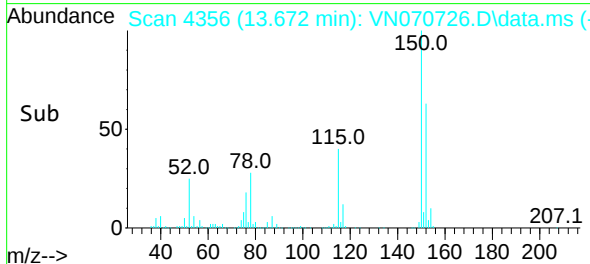
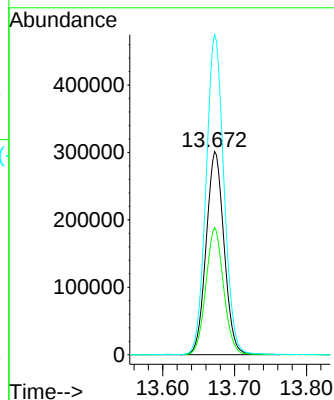
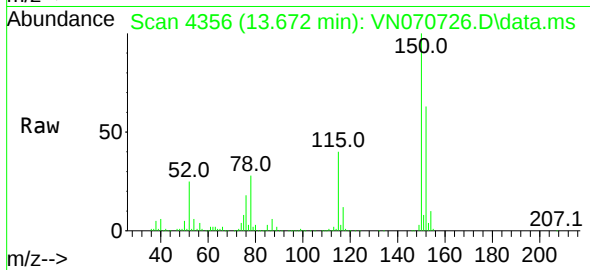




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

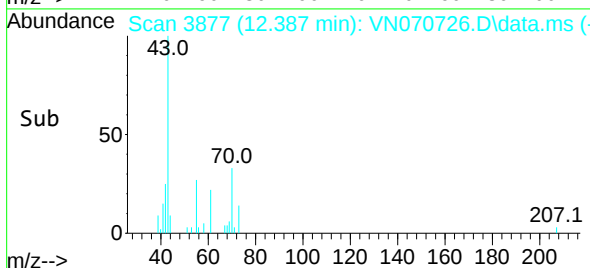
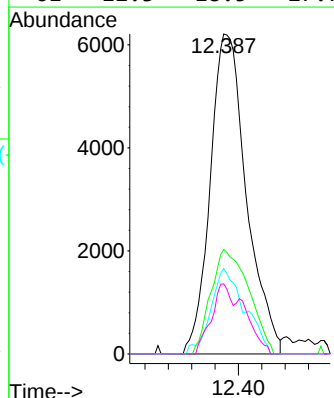
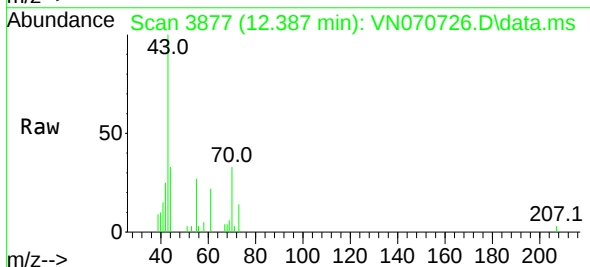
Instrument :
MSVOA_N
ClientSampleId :

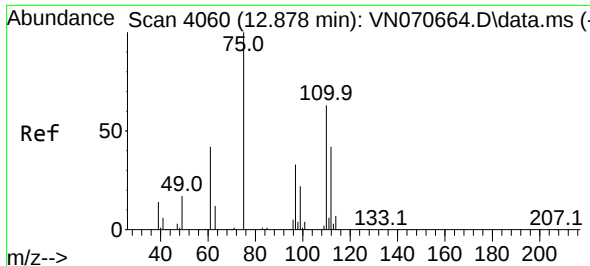
Tgt Ion:152 Resp: 523109
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 156.8 0.0 344.4



#74
N-ethyl acetate
Concen: 0.660 ug/l
RT: 12.387 min Scan# 3877
Delta R.T. 0.002 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Tgt Ion: 43 Resp: 13358
Ion Ratio Lower Upper
43 100
70 34.3 33.4 50.0
55 24.9 19.3 28.9
61 12.3 18.5 27.7#

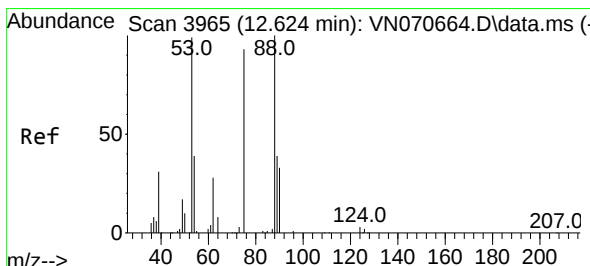
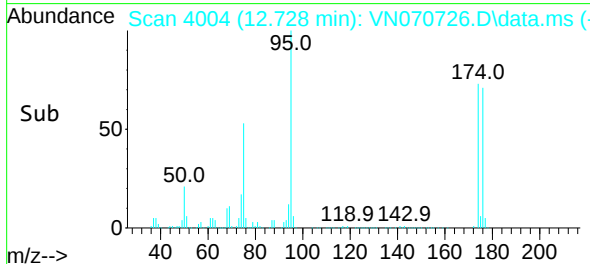
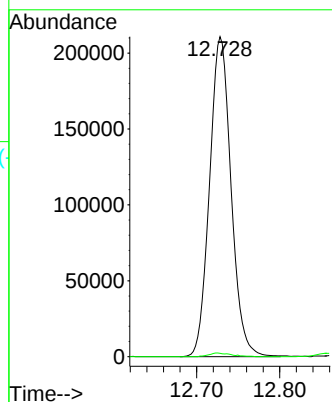
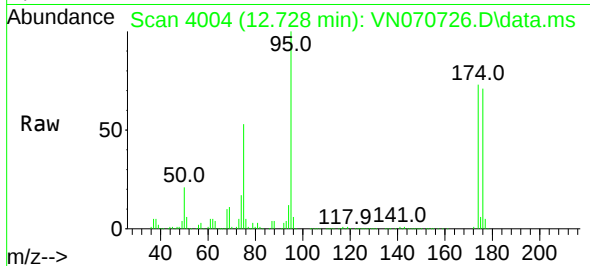




#76
1,2,3-Trichloropropane
Concen: 27.318 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

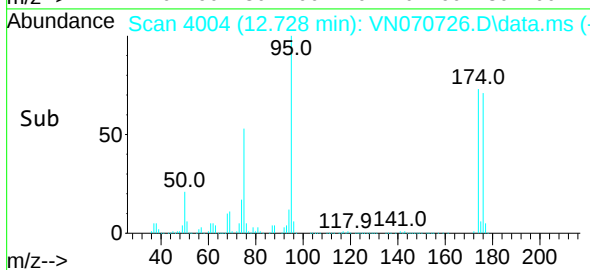
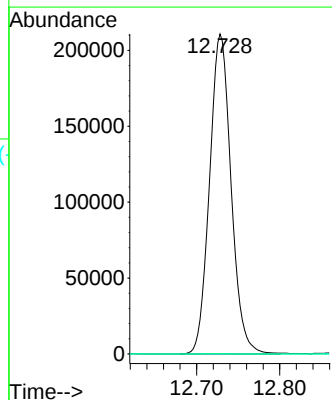
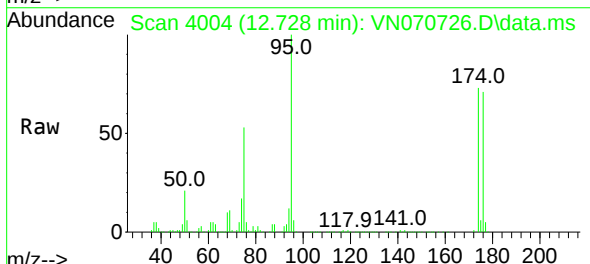
Instrument :
MSVOA_N
ClientSampleId :

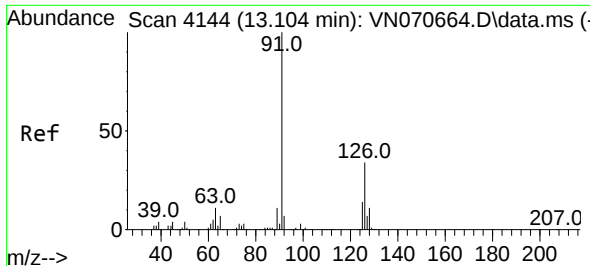
Tgt Ion: 75 Resp: 379014
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.384 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Tgt Ion: 75 Resp: 379014
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

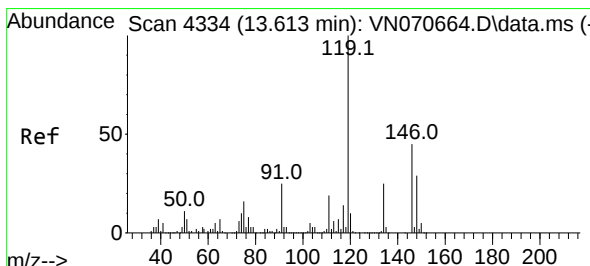
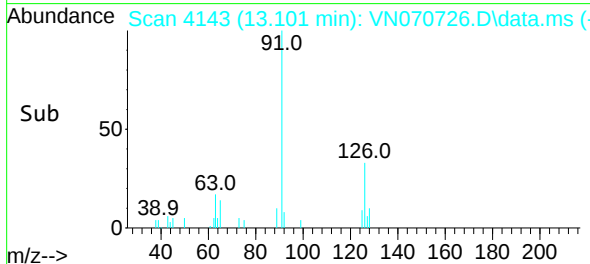
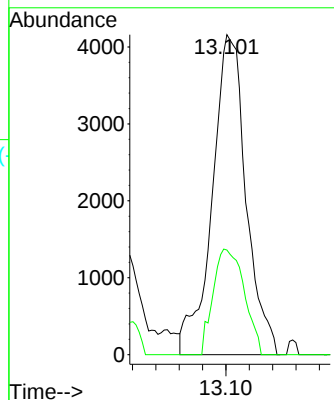
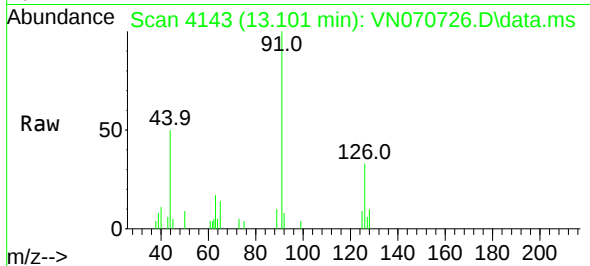




#82
4-Chlorotoluene
Concen: 0.256 ug/l
RT: 13.101 min Scan# 4144
Delta R.T. -0.003 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

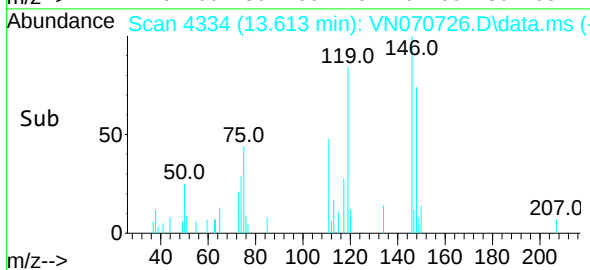
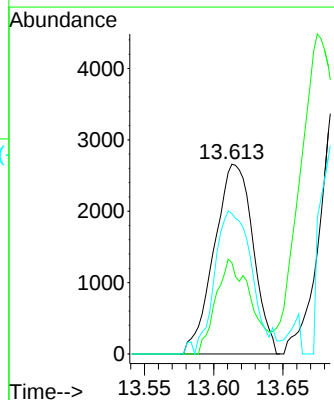
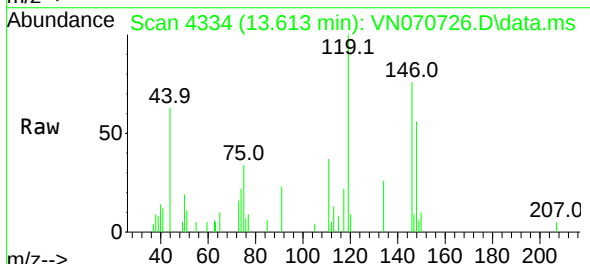
Instrument :
MSVOA_N
ClientSampleId :

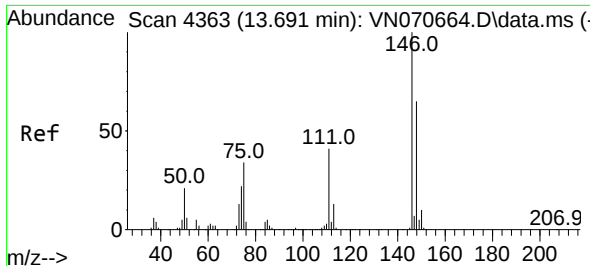
Tgt Ion: 91 Resp: 8359
Ion Ratio Lower Upper
91 100
126 30.3 18.2 54.6



#87
1,3-Dichlorobenzene
Concen: 0.281 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. 0.000 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Tgt Ion:146 Resp: 5185
Ion Ratio Lower Upper
146 100
111 44.3 18.6 55.6
148 72.5 31.6 95.0

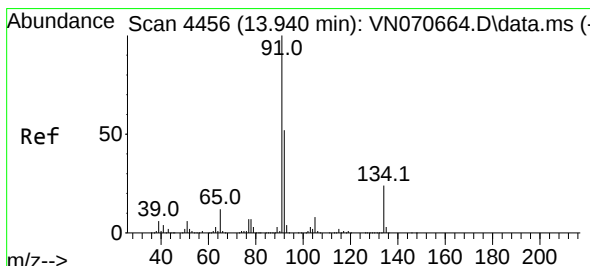
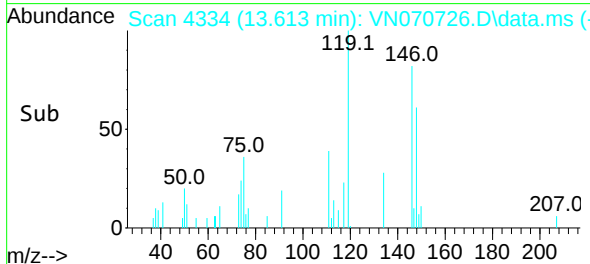
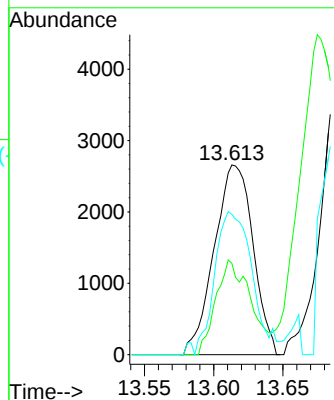
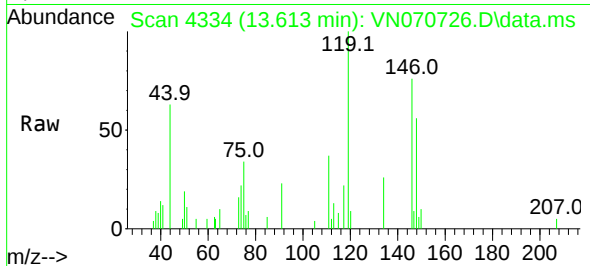




#88
1,4-Dichlorobenzene
Concen: 0.282 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.078 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

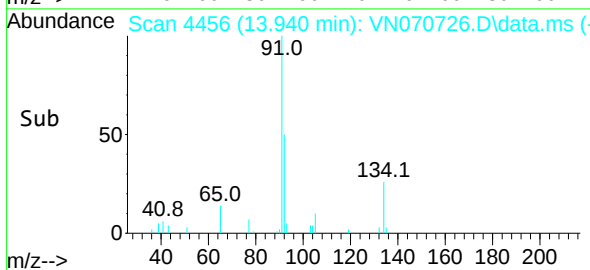
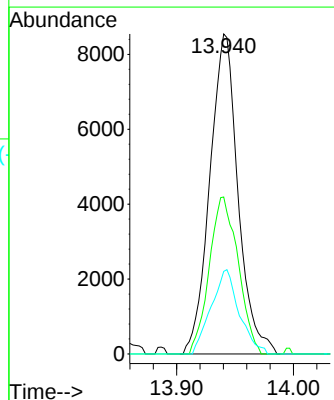
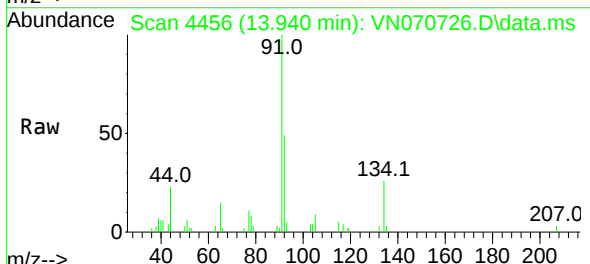
Instrument :
MSVOA_N
ClientSampleId :

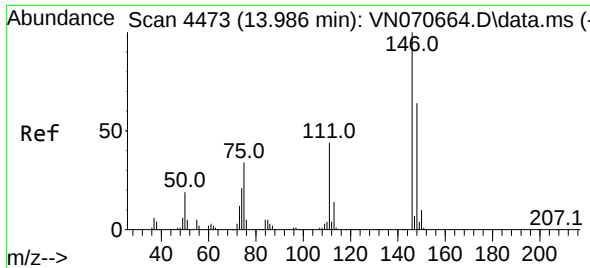
Tgt Ion:146 Resp: 5185
Ion Ratio Lower Upper
146 100
111 44.3 18.3 54.8
148 72.5 31.8 95.4



#89
n-Butylbenzene
Concen: 0.468 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. 0.000 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

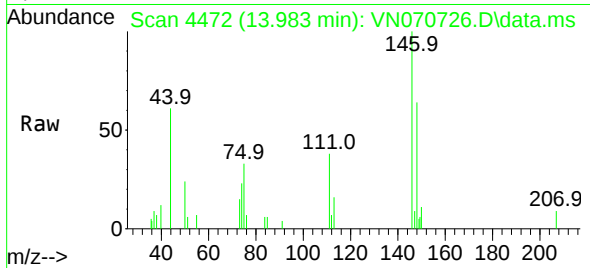
Tgt Ion: 91 Resp: 14365
Ion Ratio Lower Upper
91 100
92 50.0 25.4 76.0
134 26.2 13.6 40.8



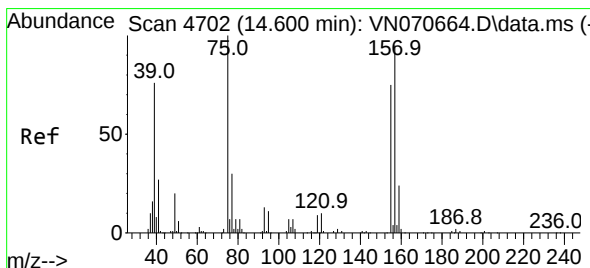
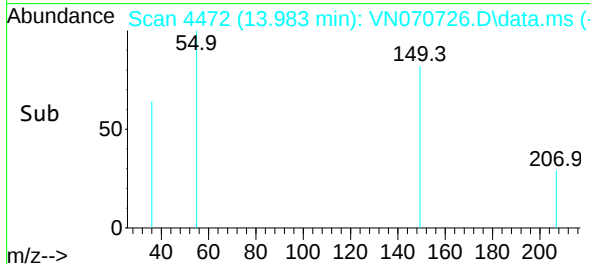
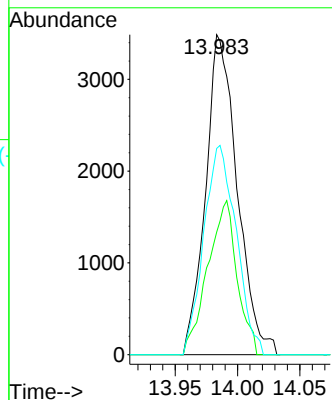


#91
1,2-Dichlorobenzene
Concen: 0.338 ug/l
RT: 13.983 min Scan# 4472
Delta R.T. -0.003 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Instrument :
MSVOA_N
ClientSampleId :

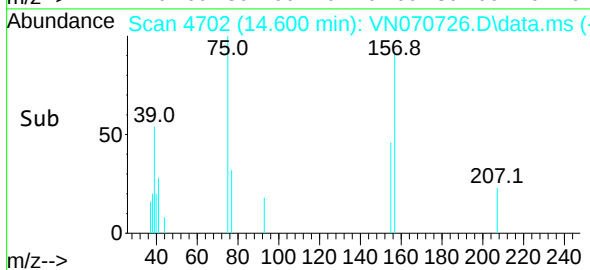
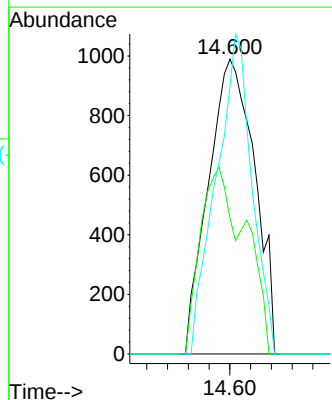
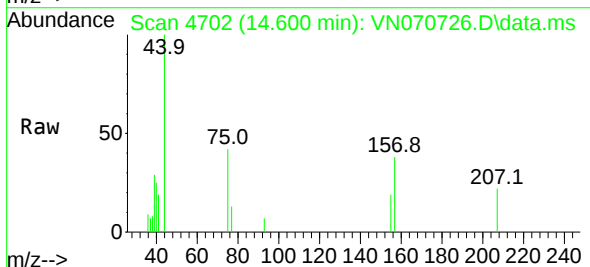


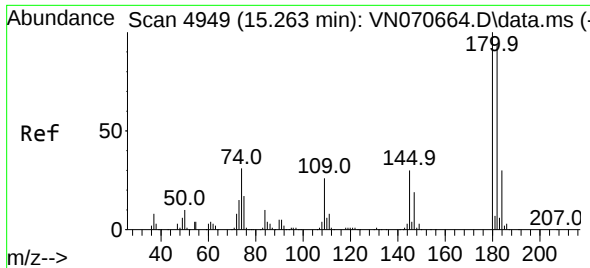
Tgt Ion:146 Resp: 6156
Ion Ratio Lower Upper
146 100
111 44.6 19.1 57.3
148 67.1 32.1 96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.540 ug/l
RT: 14.600 min Scan# 4702
Delta R.T. 0.000 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

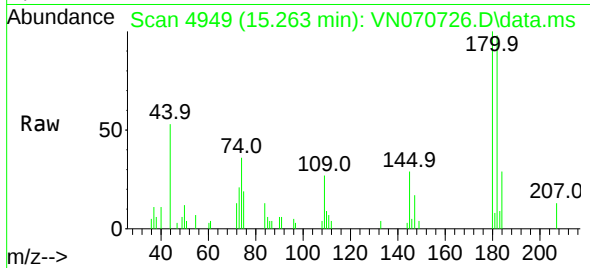
Tgt Ion: 75 Resp: 1531
Ion Ratio Lower Upper
75 100
155 43.0 46.9 140.7#
157 83.9 60.6 181.7



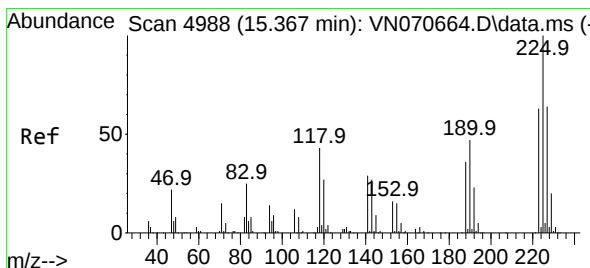
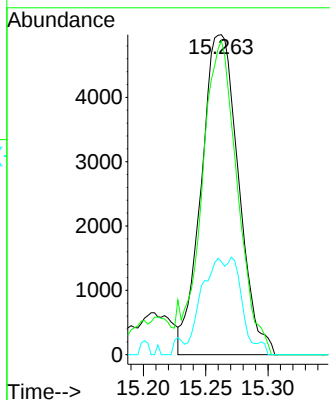
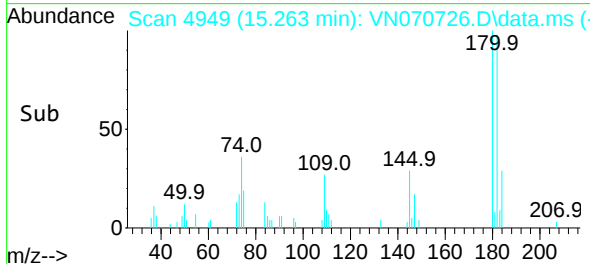


#93
 1,2,4-Trichlorobenzene
 Concen: 4.419 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.000 min
 Lab File: VN070726.D
 Acq: 21 Jan 2022 11:50

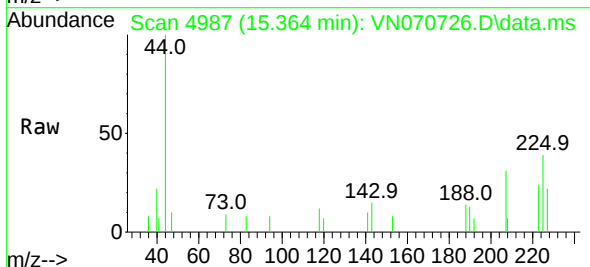
Instrument :
 MSVOA_N
 ClientSampleId :



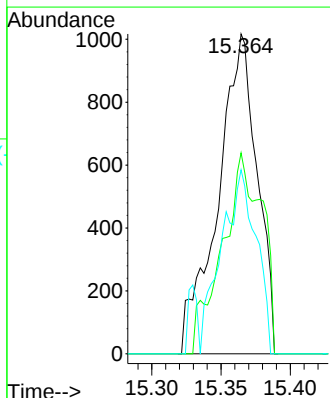
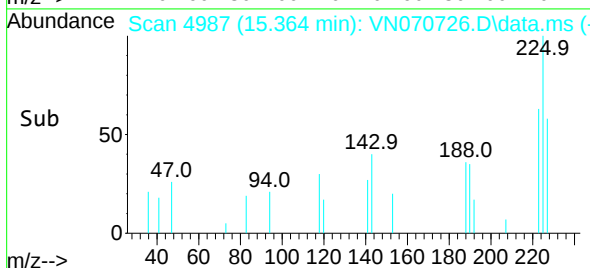
Tgt Ion:180 Resp: 10312
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.3 144.9
 145 16.0 14.5 43.5

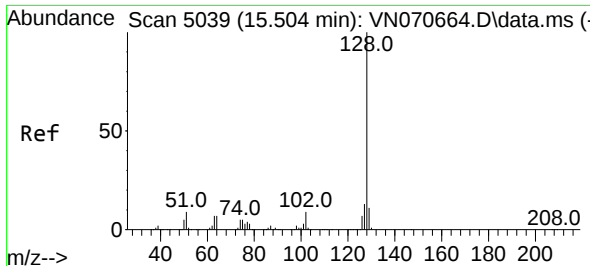


#94
 Hexachlorobutadiene
 Concen: 0.372 ug/l
 RT: 15.364 min Scan# 4987
 Delta R.T. -0.003 min
 Lab File: VN070726.D
 Acq: 21 Jan 2022 11:50



Tgt Ion:225 Resp: 2008
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.7
 227 51.1 32.1 96.3

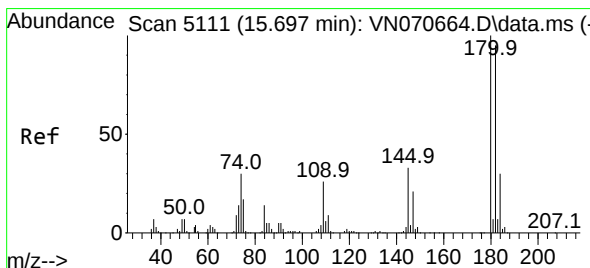
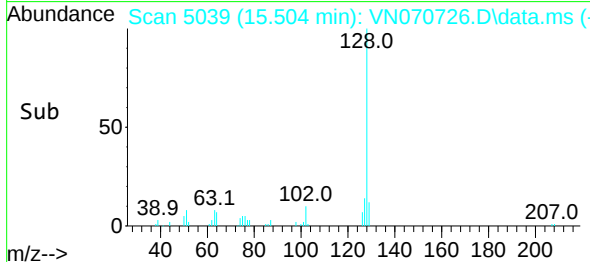
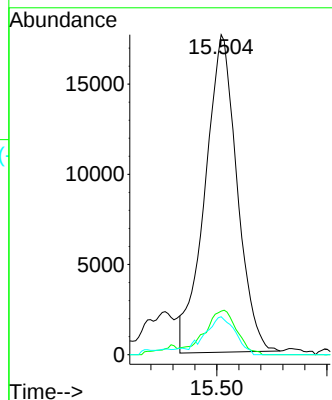
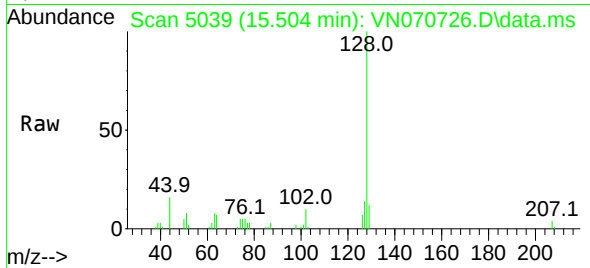




#95
Naphthalene
Concen: 6.132 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 35615
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.511 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.003 min
Lab File: VN070726.D
Acq: 21 Jan 2022 11:50

Tgt Ion:180 Resp: 12786
Ion Ratio Lower Upper
180 100
182 105.3 47.4 142.2
145 28.0 15.0 45.1

