

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070184.D
 Acq On : 18 Dec 2021 00:42
 Operator : JC/MD
 Sample : M5128-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 06:02:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	1082977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2036632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2360605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	966056	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	839046	50.179	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.360%	
35) Dibromofluoromethane	8.021	113	596177	46.733	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.460%	
50) Toluene-d8	10.443	98	2686761	52.452	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.900%	
62) 4-Bromofluorobenzene	12.731	95	1183569	63.779	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 127.560%	

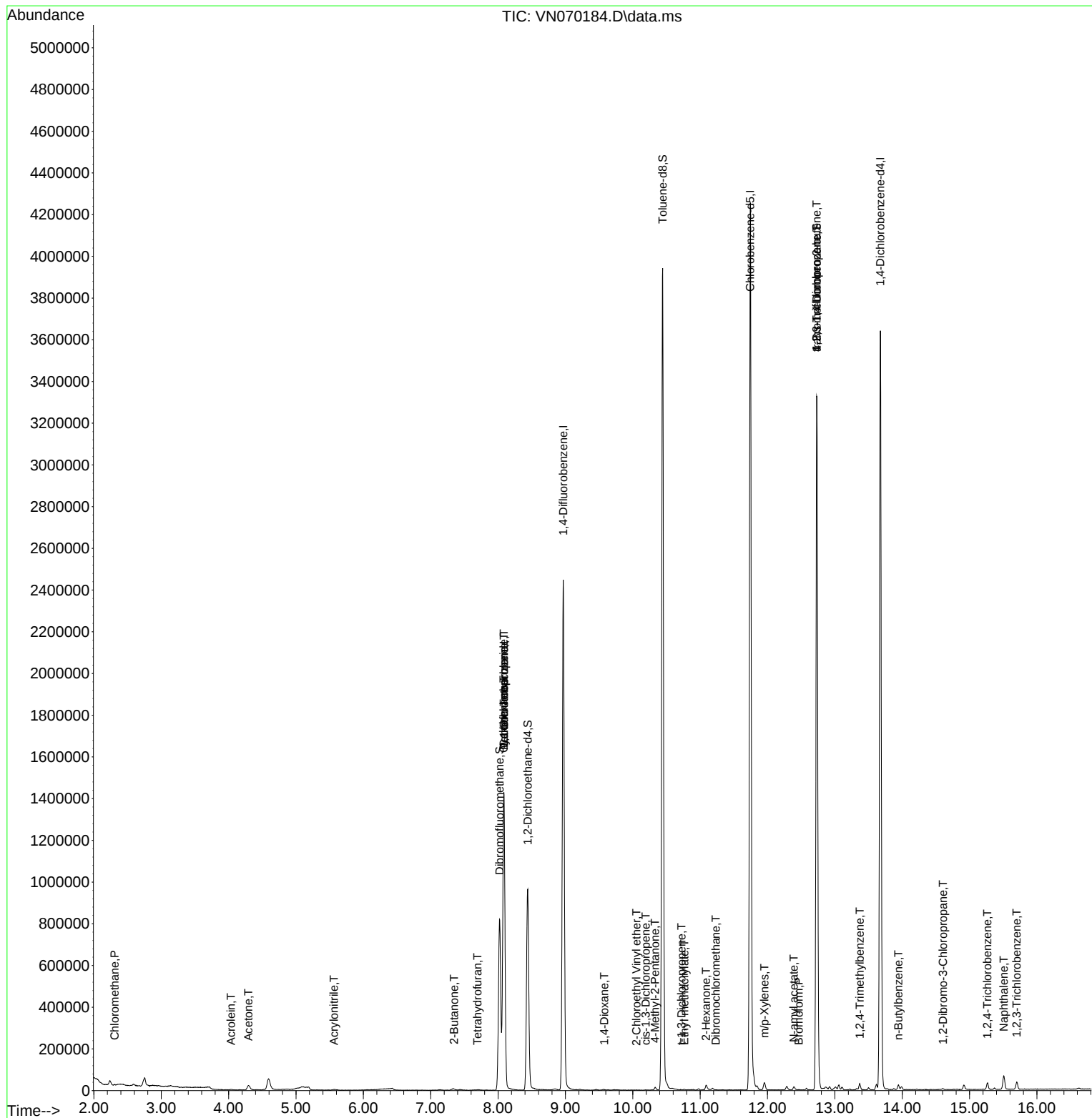
Target Compounds				Qvalue		
3) Chloromethane	2.306	50	3181	0.201	ug/l	90
13) Acrolein	4.036	56	1130	0.420	ug/l #	68
15) Acrylonitrile	5.565	53	1918	0.225	ug/l #	81
16) Acetone	4.293	43	39447	3.922	ug/l	94
25) 2-Butanone	7.348	43	6801	0.498	ug/l #	82
29) Tetrahydrofuran	7.694	42	2027	0.244	ug/l #	54
31) Cyclohexane	8.083	56	27949	1.201	ug/l #	23
36) 1,1-Dichloropropene	8.086	75	90067	4.645	ug/l #	49
38) Carbon Tetrachloride	8.086	117	109392	5.754	ug/l #	17
49) 1,4-Dioxane	9.577	88	183	0.512	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	9189	0.332	ug/l	97
53) t-1,3-Dichloropropene	10.722	75	741	2.824	ug/l #	58
54) cis-1,3-Dichloropropene	10.194	75	670	2.024	ug/l #	61
56) Ethyl methacrylate	10.765	69	1807	2.342	ug/l #	59
58) 2-Chloroethyl Vinyl ether	10.054	63	329	18.430	ug/l #	45
59) 2-Hexanone	11.087	43	20736	0.989	ug/l	87
60) Dibromochloromethane	11.234	129	251	2.391	ug/l	57
68) m/p-Xylenes	11.956	106	11556	0.365	ug/l	97
71) Bromoform	12.465	173	471	2.762	ug/l #	29
74) N-amyl acetate	12.390	43	11305	0.297	ug/l #	90
76) 1,2,3-Trichloropropane	12.731	75	647851	23.385	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	647851	74.379	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	17959	0.273	ug/l	95
89) n-Butylbenzene	13.943	91	13437	0.255	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.605	75	1585	0.295	ug/l #	40
93) 1,2,4-Trichlorobenzene	15.265	180	10455	3.500	ug/l	98
95) Naphthalene	15.507	128	63420	5.221	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	12706	3.218	ug/l	98

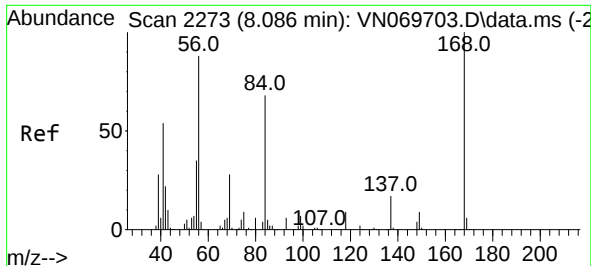
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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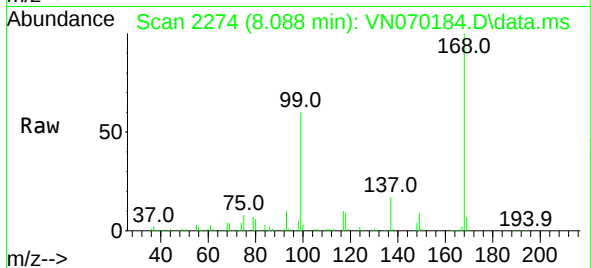
Quant Time: Dec 18 06:02:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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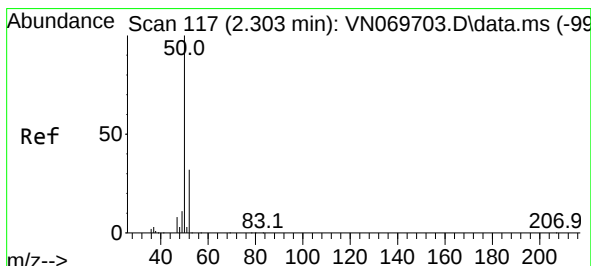
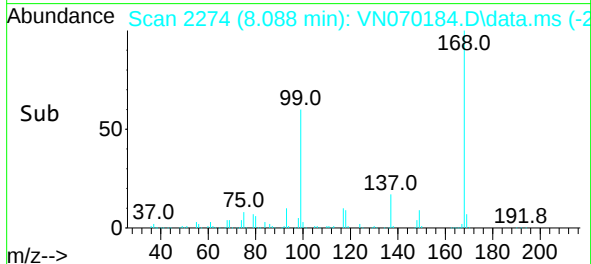
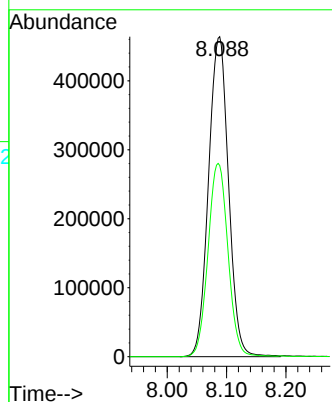


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Instrument :
MSVOA_N
ClientSampleId :

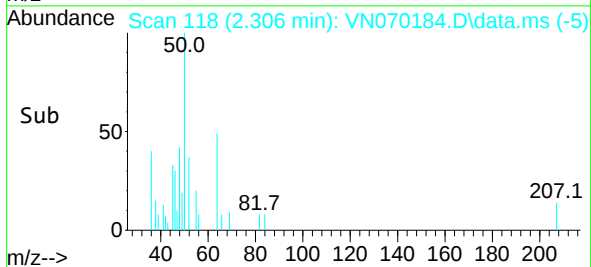
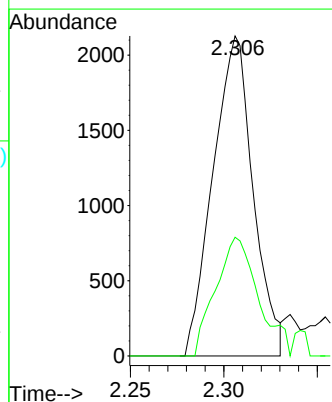
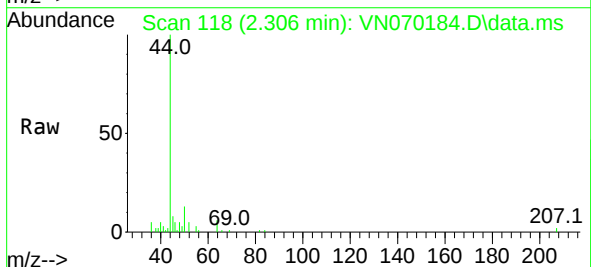


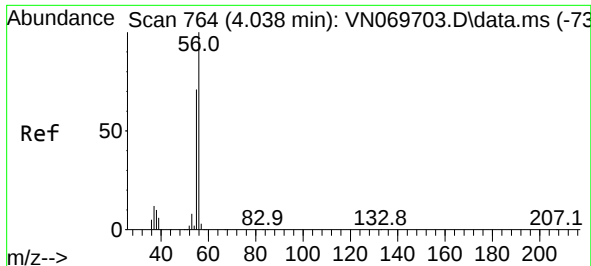
Tgt Ion:168 Resp: 1082977
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

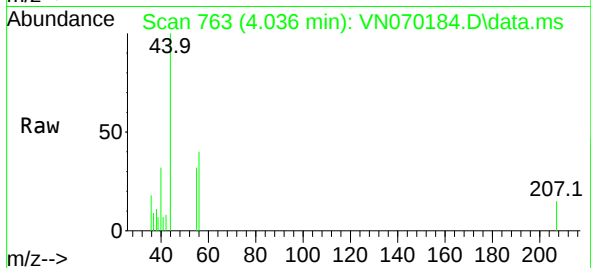
Tgt Ion: 50 Resp: 3181
Ion Ratio Lower Upper
50 100
52 37.1 25.4 38.0



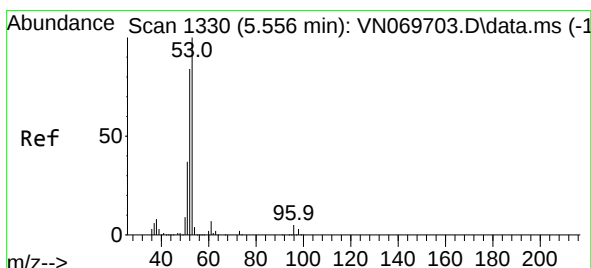
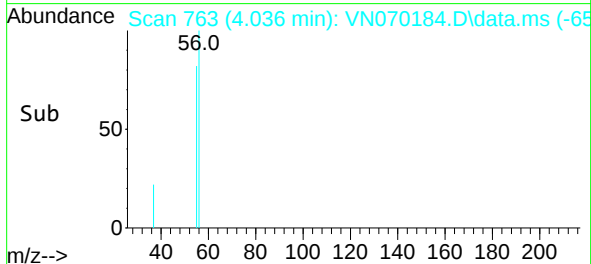
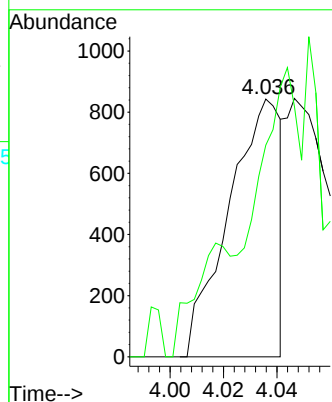


#13
Acrolein
Concen: 0.420 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Instrument :
MSVOA_N
ClientSampleId :

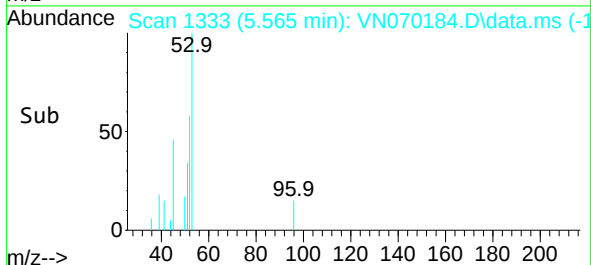
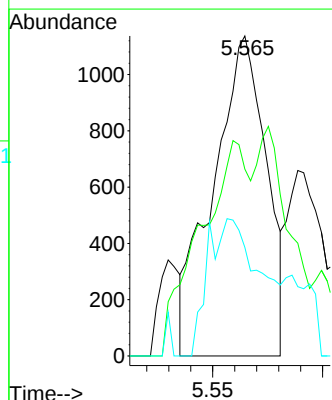
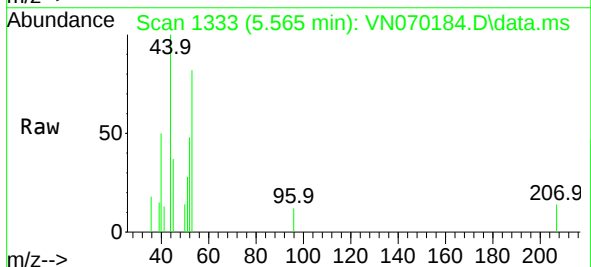


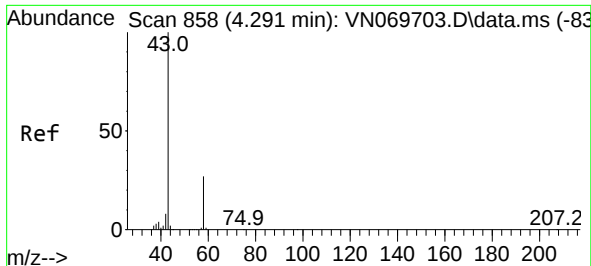
Tgt Ion: 56 Resp: 1130
Ion Ratio Lower Upper
56 100
55 44.6 56.6 85.0#



#15
Acrylonitrile
Concen: 0.225 ug/l
RT: 5.565 min Scan# 1333
Delta R.T. 0.008 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Tgt Ion: 53 Resp: 1918
Ion Ratio Lower Upper
53 100
52 61.8 66.2 99.2#
51 42.6 29.6 44.4

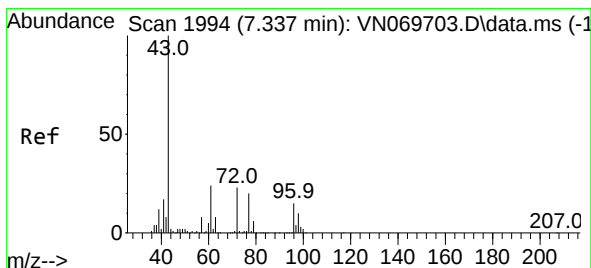
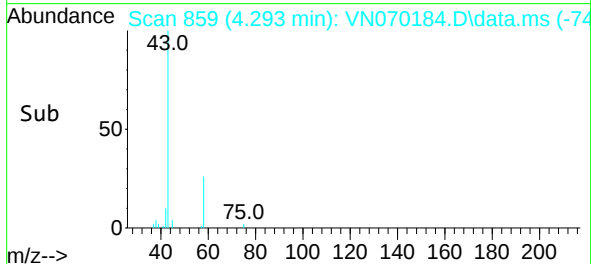
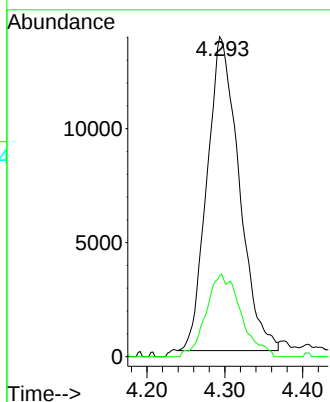
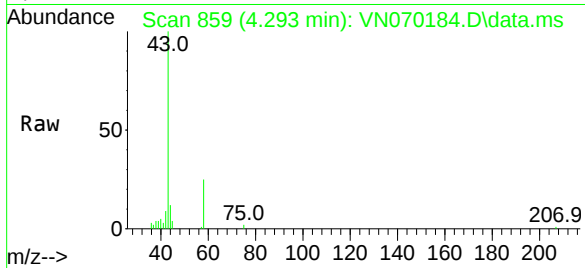




#16
Acetone
Concen: 3.922 ug/l
RT: 4.293 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

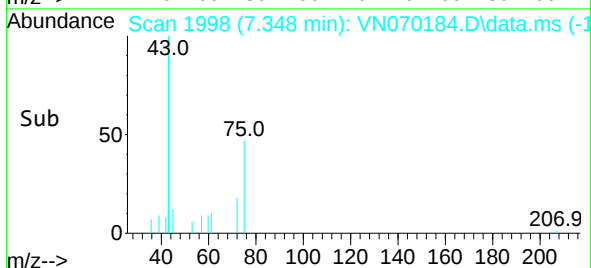
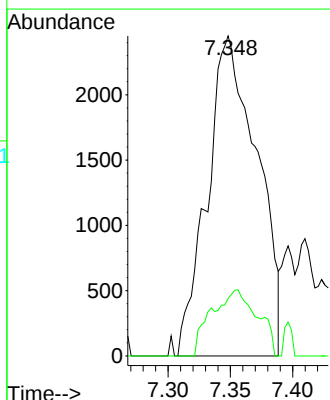
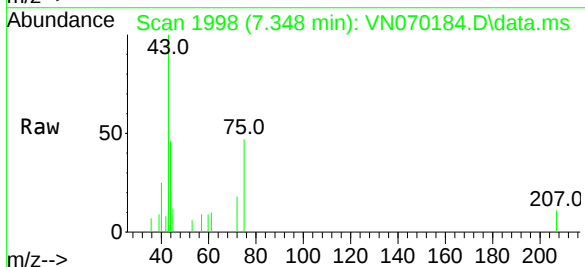
Instrument :
MSVOA_N
ClientSampleId :

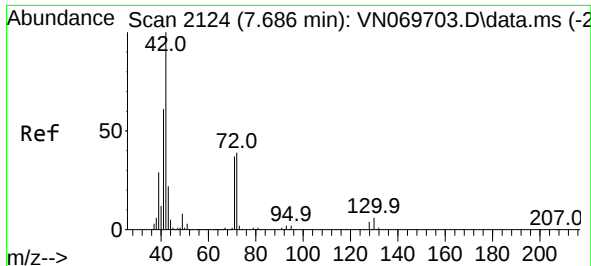
Tgt Ion: 43 Resp: 39447
Ion Ratio Lower Upper
43 100
58 25.9 23.1 34.7



#25
2-Butanone
Concen: 0.498 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Tgt Ion: 43 Resp: 6801
Ion Ratio Lower Upper
43 100
72 18.0 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.244 ug/l

RT: 7.694 min Scan# 21

Delta R.T. 0.008 min

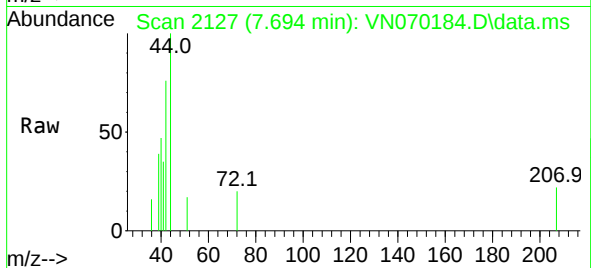
Lab File: VN070184.D

Acq: 18 Dec 2021 00:42

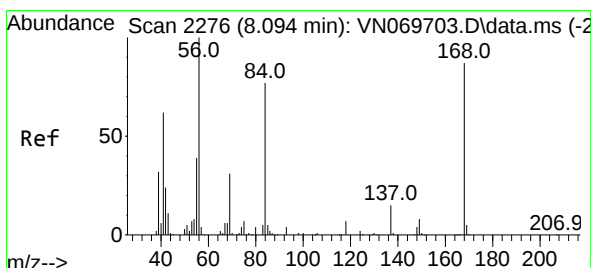
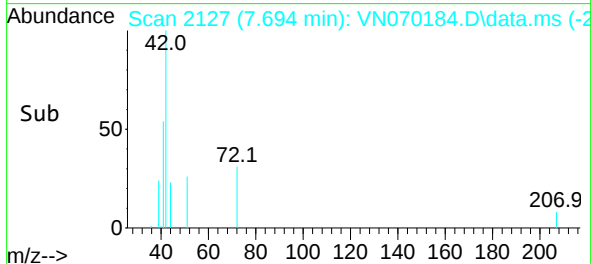
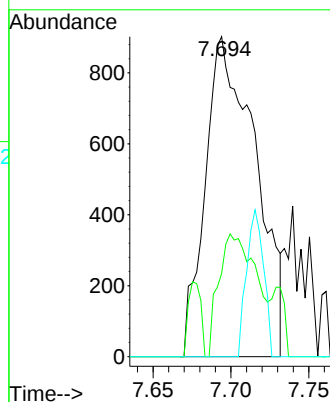
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	2027
Ion	Ratio	Lower	Upper
42	100		
72	28.4	36.3	54.5#
71	0.0	34.7	52.1#



#31

Cyclohexane

Concen: 1.201 ug/l

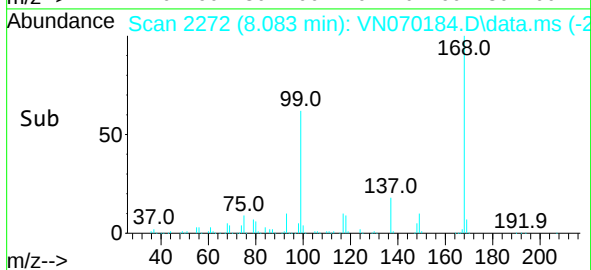
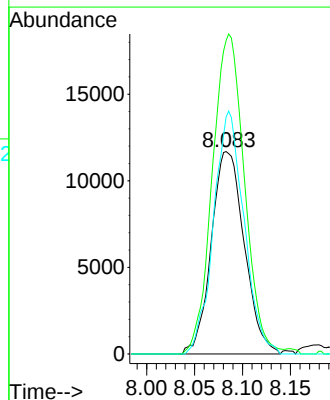
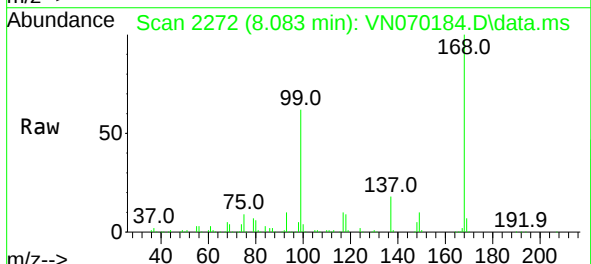
RT: 8.083 min Scan# 2272

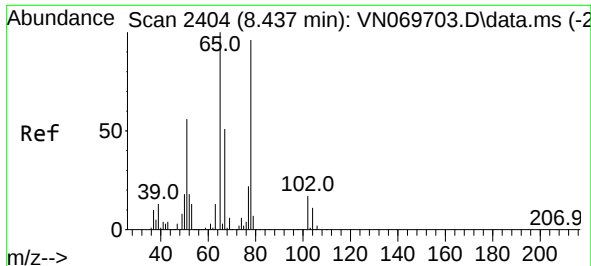
Delta R.T. -0.011 min

Lab File: VN070184.D

Acq: 18 Dec 2021 00:42

Tgt Ion:	56	Resp:	27949
Ion	Ratio	Lower	Upper
56	100		
69	154.9	27.1	40.7#
84	117.1	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 50.179 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070184.D

Acq: 18 Dec 2021 00:42

Instrument :

MSVOA_N

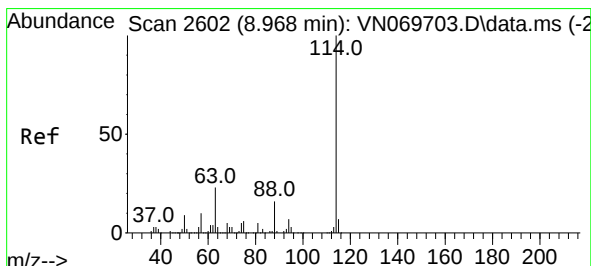
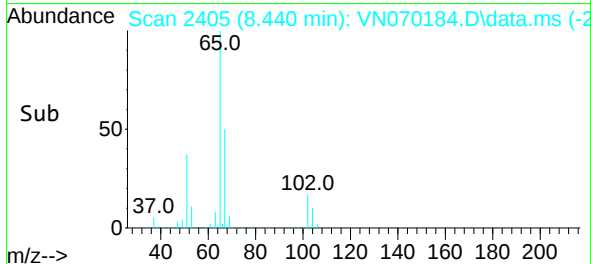
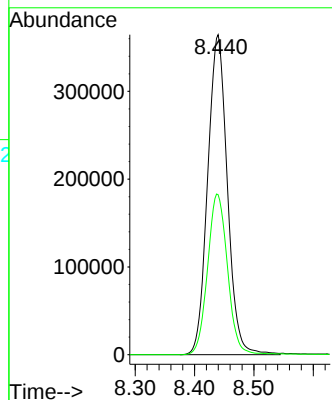
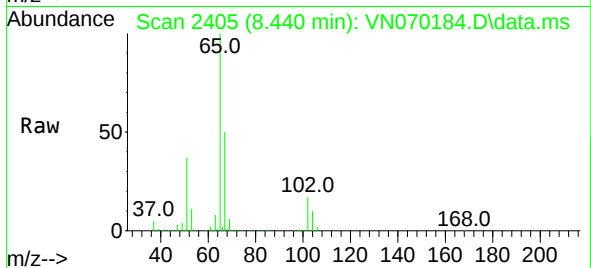
ClientSampleId :

Tgt Ion: 65 Resp: 839046

Ion Ratio Lower Upper

65 100

67 50.7 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: VN070184.D

Acq: 18 Dec 2021 00:42

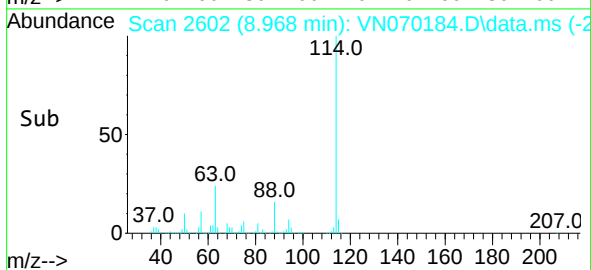
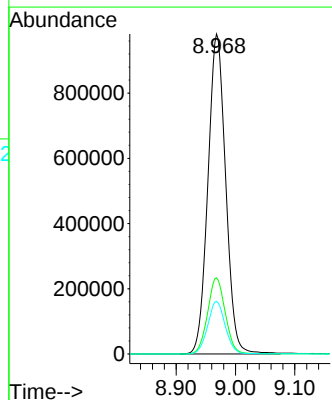
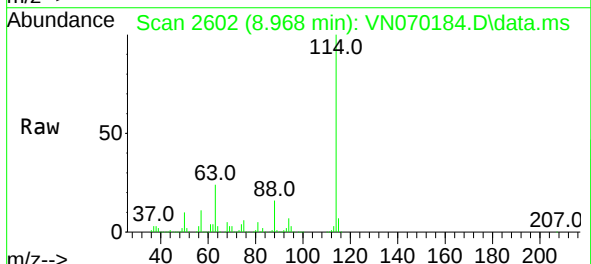
Tgt Ion: 114 Resp: 2036632

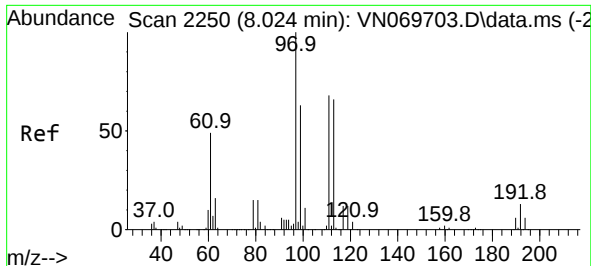
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

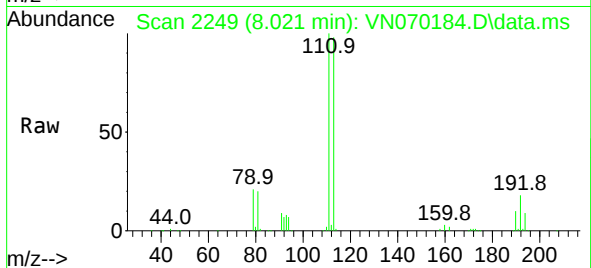
88 16.4 0.0 27.4



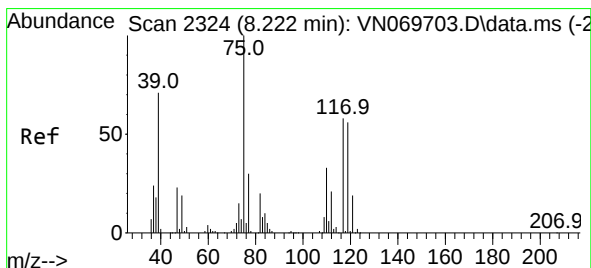
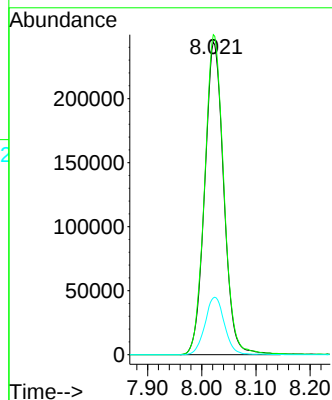
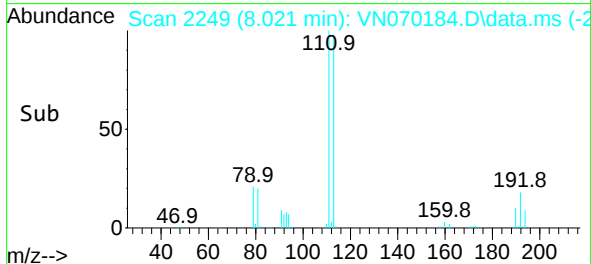


#35
 Dibromofluoromethane
 Concen: 46.733 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VN070184.D
 Acq: 18 Dec 2021 00:42

Instrument :
 MSVOA_N
 ClientSampleId :

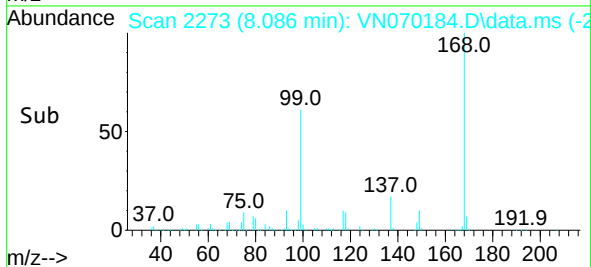
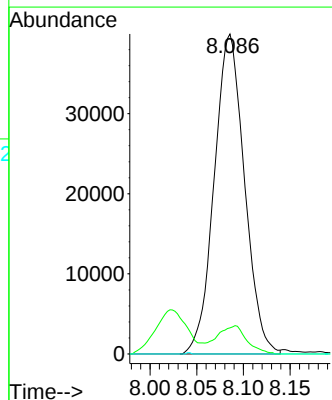
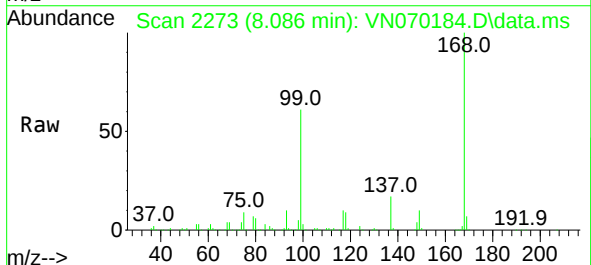


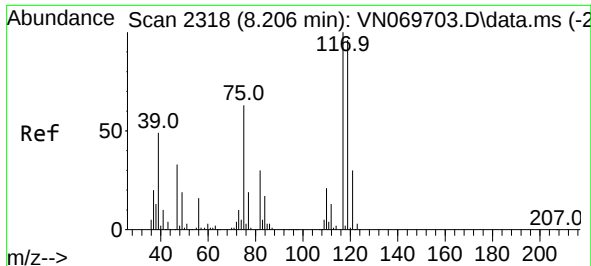
Tgt Ion:113 Resp: 596177
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.2
 192 18.7 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.645 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN070184.D
 Acq: 18 Dec 2021 00:42

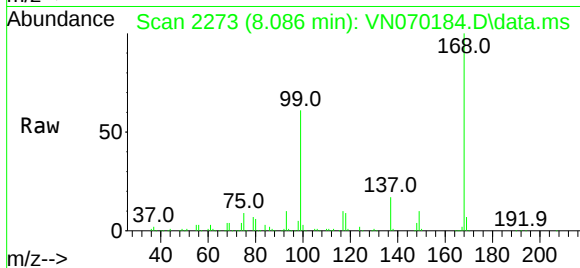
Tgt Ion: 75 Resp: 90067
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.2#
 77 0.0 24.4 36.6#



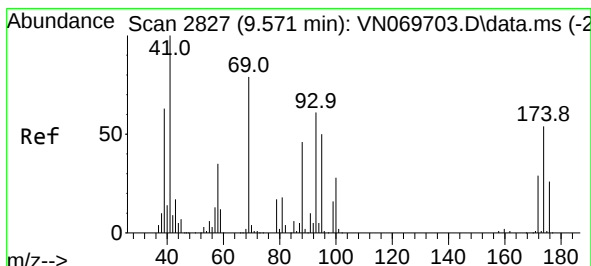
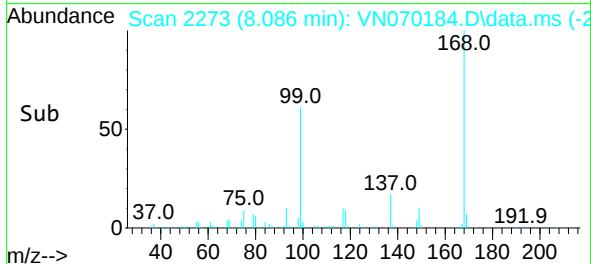
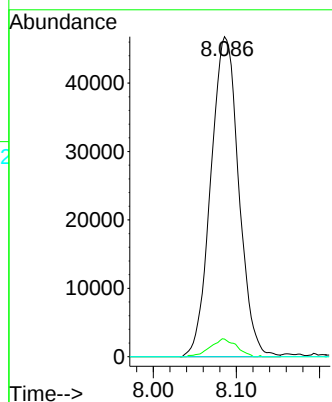


#38
Carbon Tetrachloride
Concen: 5.754 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Instrument :
MSVOA_N
ClientSampleId :

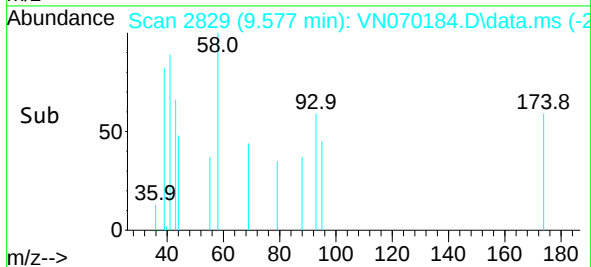
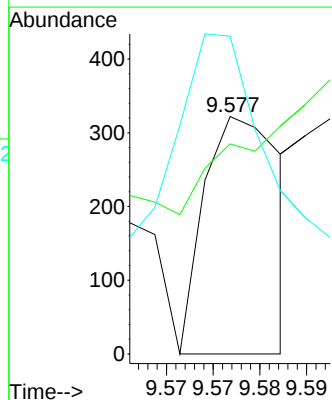
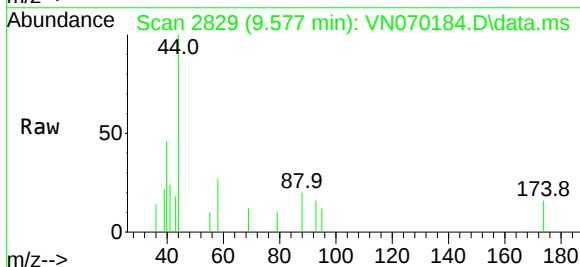


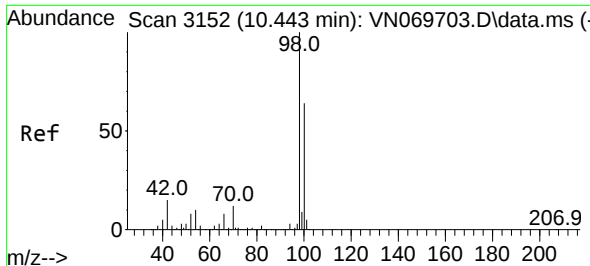
Tgt Ion:117 Resp: 109392
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.512 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.005 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Tgt Ion: 88 Resp: 183
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 224.6 50.6 75.8#

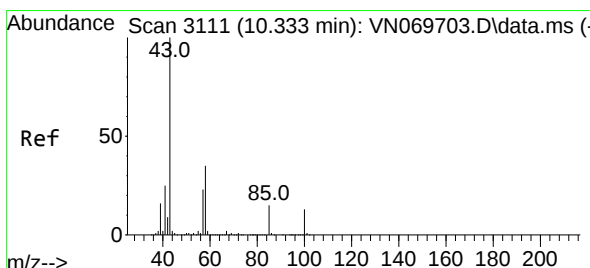
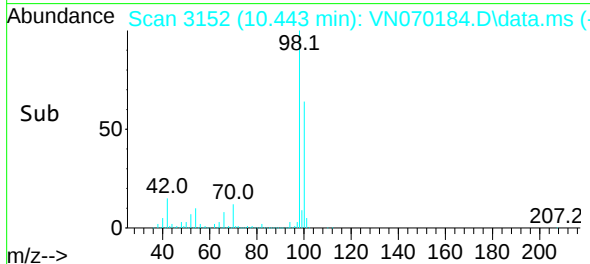
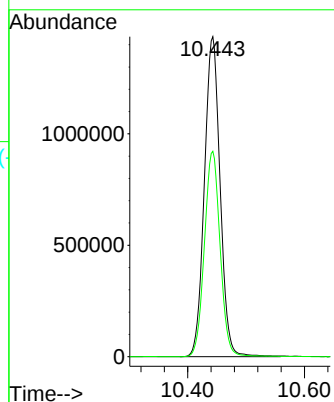
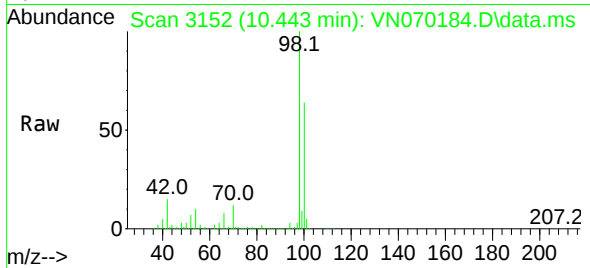




#50
Toluene-d8
Concen: 52.452 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

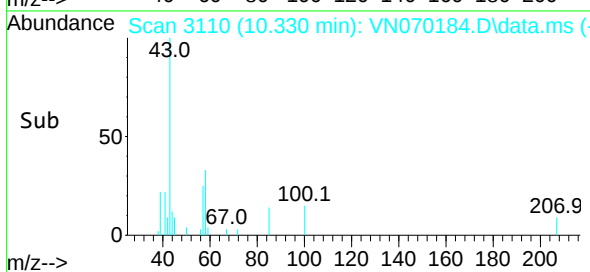
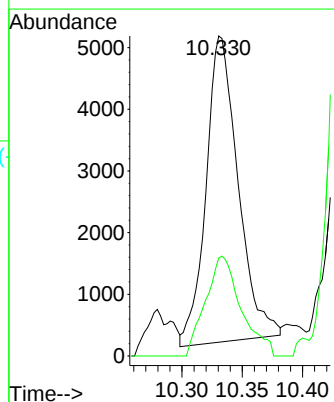
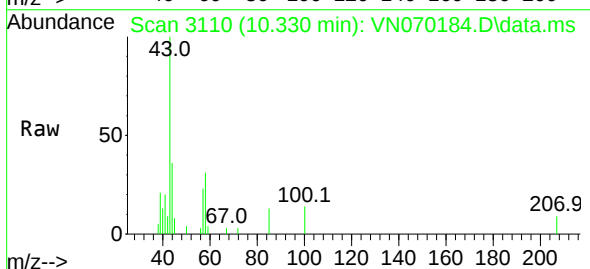
Instrument :
MSVOA_N
ClientSampleId :

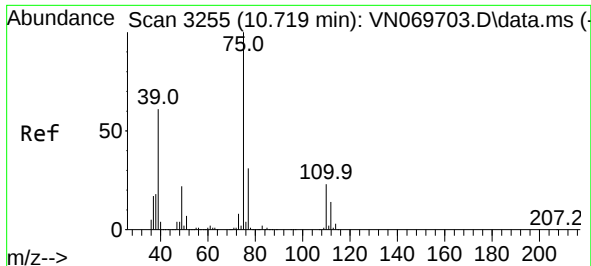
Tgt Ion: 98 Resp: 2686761
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.332 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Tgt Ion: 43 Resp: 9189
Ion Ratio Lower Upper
43 100
58 36.0 30.4 45.6





#53

t-1,3-Dichloropropene

Concen: 2.824 ug/l

RT: 10.722 min Scan# 31

Delta R.T. 0.003 min

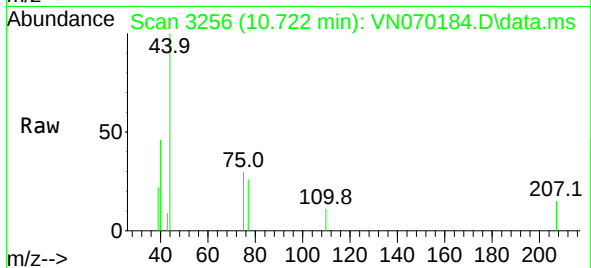
Lab File: VN070184.D

Acq: 18 Dec 2021 00:42

Instrument :

MSVOA_N

ClientSampleId :

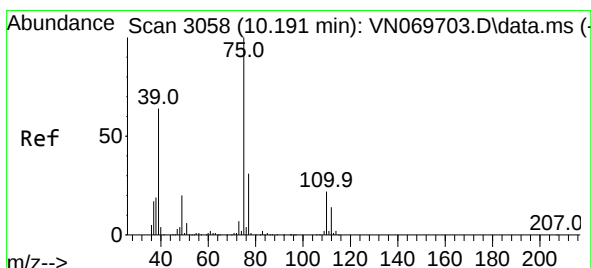
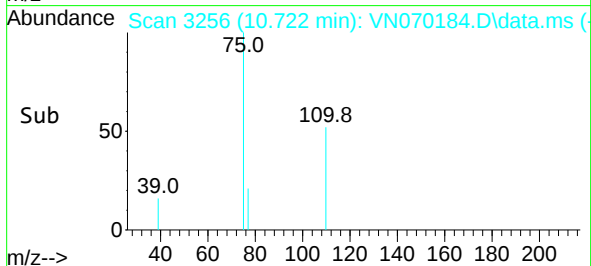
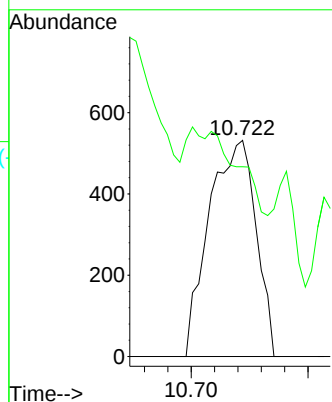


Tgt Ion: 75 Resp: 741

Ion Ratio Lower Upper

75 100

77 8.6 25.6 38.4#



#54

cis-1,3-Dichloropropene

Concen: 2.024 ug/l

RT: 10.194 min Scan# 3059

Delta R.T. 0.003 min

Lab File: VN070184.D

Acq: 18 Dec 2021 00:42

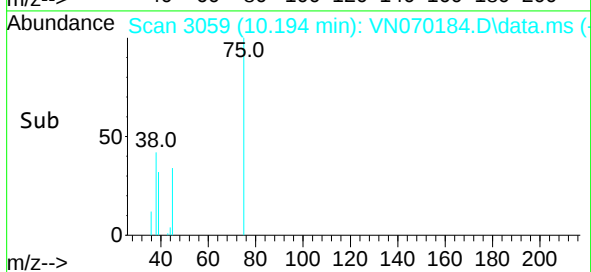
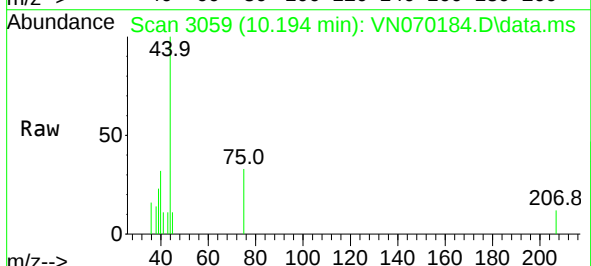
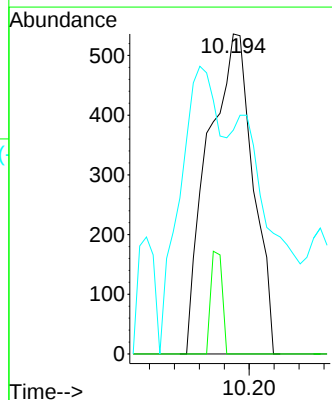
Tgt Ion: 75 Resp: 670

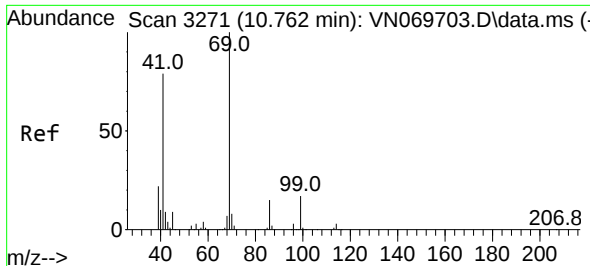
Ion Ratio Lower Upper

75 100

77 0.0 26.4 39.6#

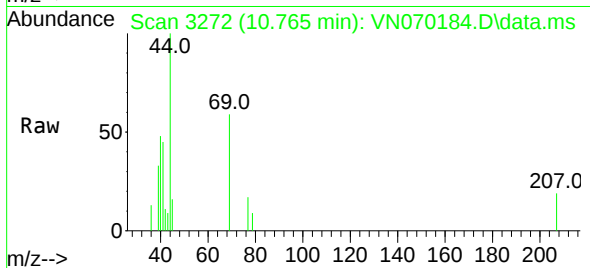
39 33.4 42.5 63.7#



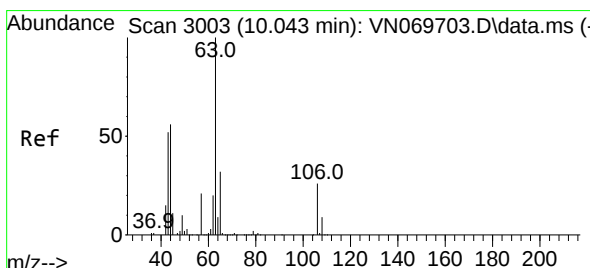
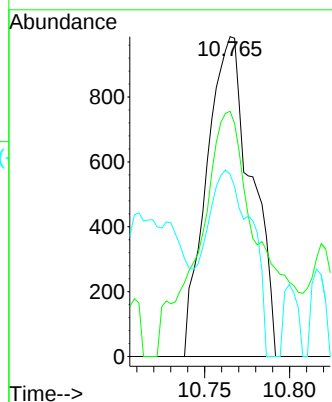
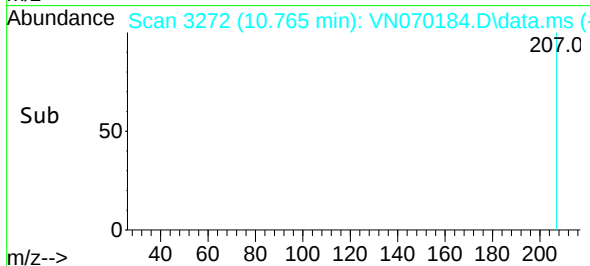


#56
 Ethyl methacrylate
 Concen: 2.342 ug/l
 RT: 10.765 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VN070184.D
 Acq: 18 Dec 2021 00:42

Instrument :
 MSVOA_N
 ClientSampleId :

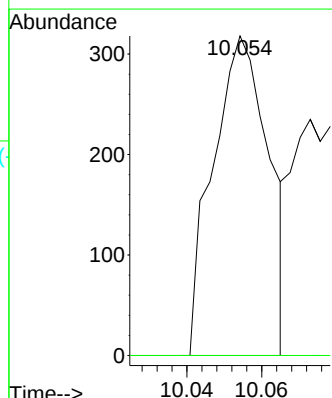
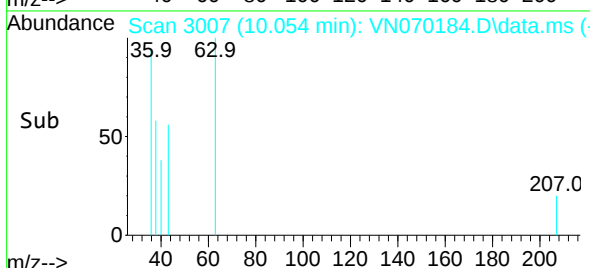
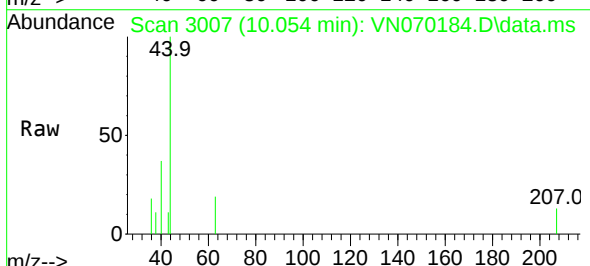


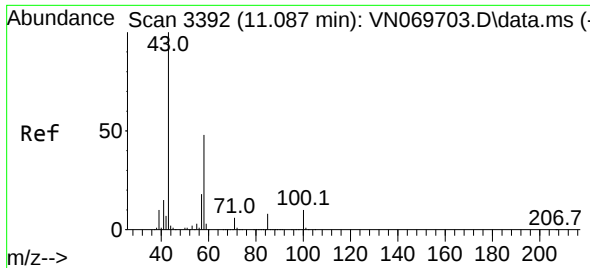
Tgt Ion: 69 Resp: 1807
 Ion Ratio Lower Upper
 69 100
 41 105.5 51.4 77.0#
 39 58.8 34.6 52.0#



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.430 ug/l
 RT: 10.054 min Scan# 3007
 Delta R.T. 0.011 min
 Lab File: VN070184.D
 Acq: 18 Dec 2021 00:42

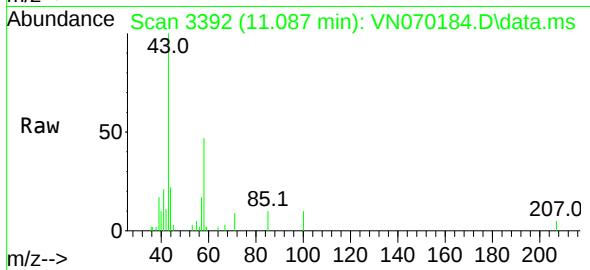
Tgt Ion: 63 Resp: 329
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



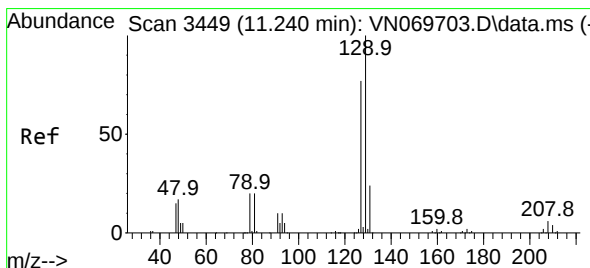
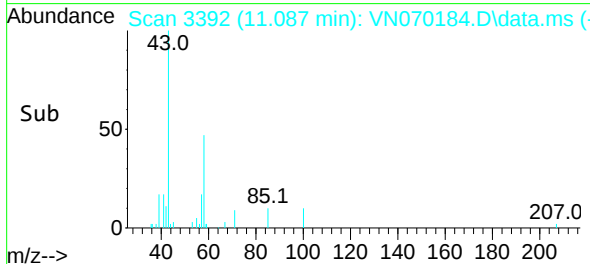
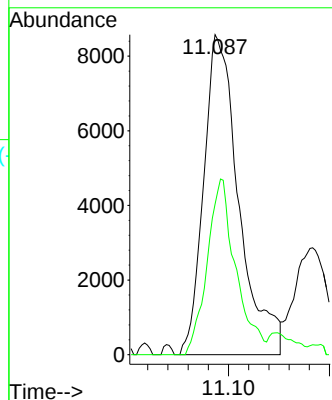


#59
2-Hexanone
Concen: 0.989 ug/l
RT: 11.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Instrument :
MSVOA_N
ClientSampleId :

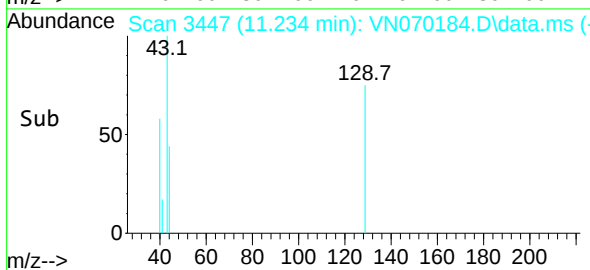
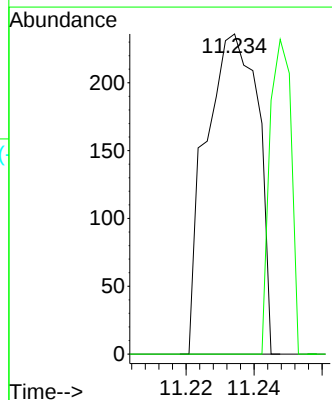
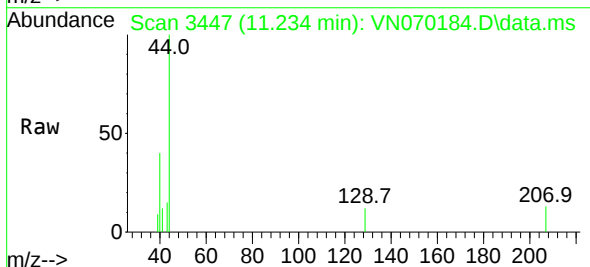


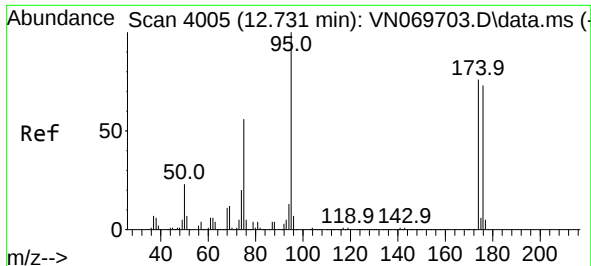
Tgt Ion: 43 Resp: 20736
Ion Ratio Lower Upper
43 100
58 44.8 26.9 80.7



#60
Dibromochloromethane
Concen: 2.391 ug/l
RT: 11.234 min Scan# 3447
Delta R.T. -0.006 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Tgt Ion: 129 Resp: 251
Ion Ratio Lower Upper
129 100
127 40.2 38.6 116.0

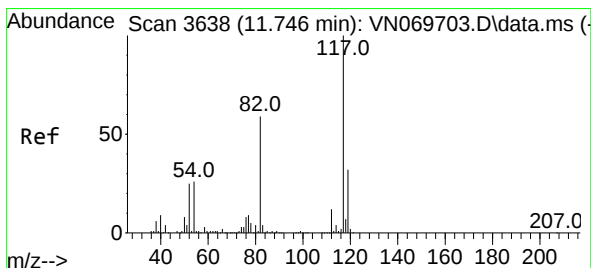
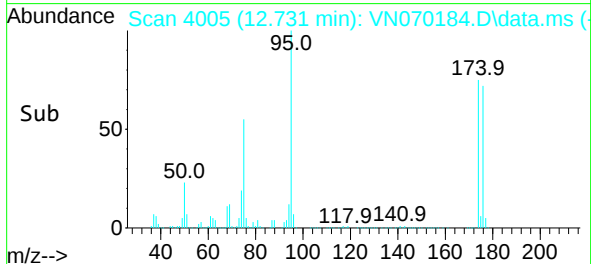
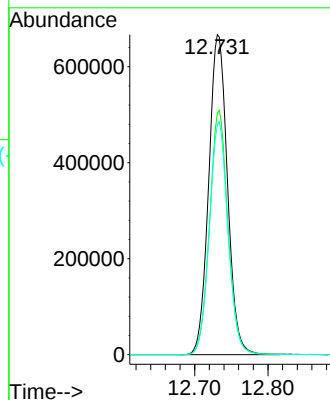
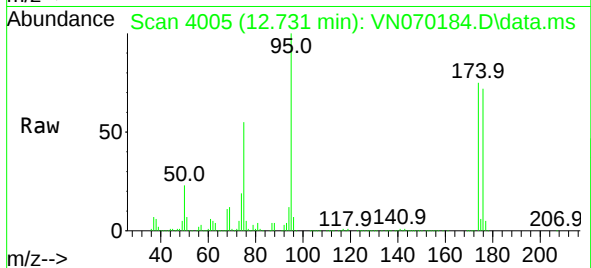




#62
4-Bromofluorobenzene
Concen: 63.779 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

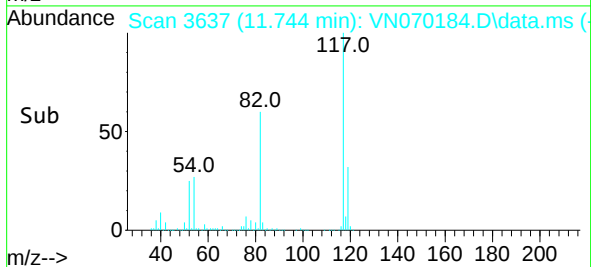
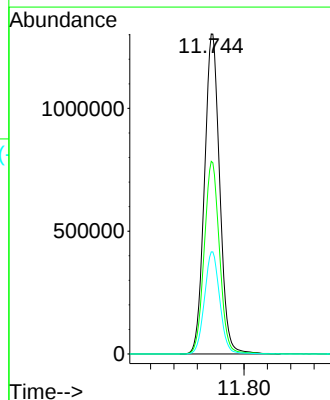
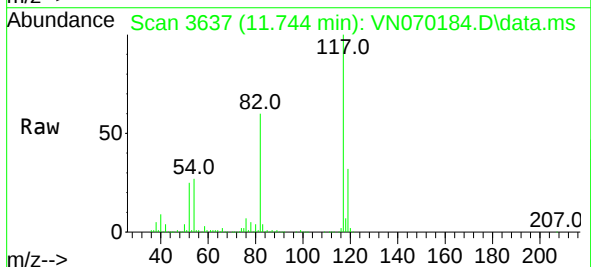
Instrument :
MSVOA_N
ClientSampleId :

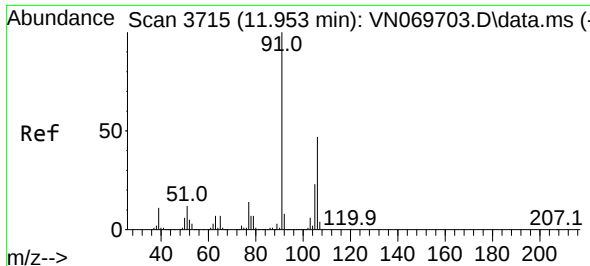
Tgt Ion: 95 Resp: 1183569
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 72.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Tgt Ion: 117 Resp: 2360605
Ion Ratio Lower Upper
117 100
82 60.2 42.4 63.6
119 31.9 25.4 38.2

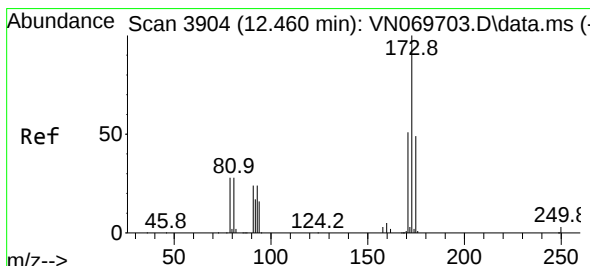
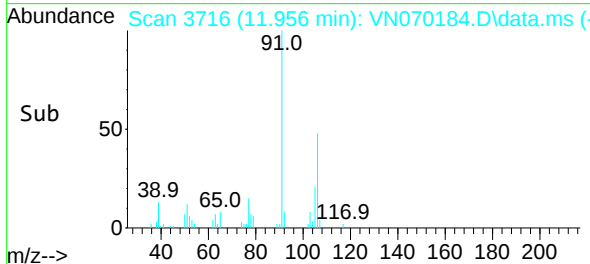
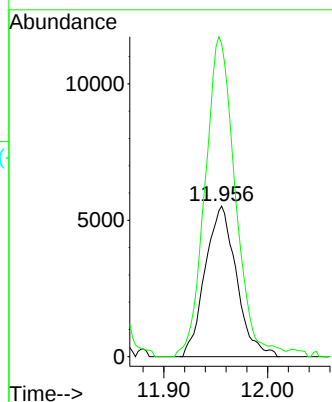
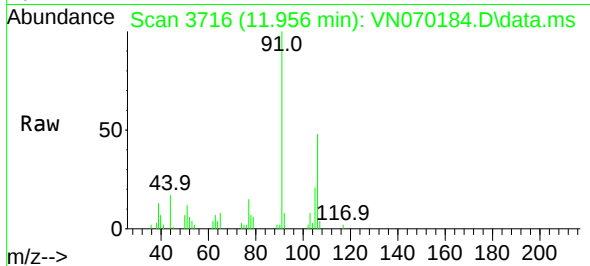




#68
m/p-Xylenes
Concen: 0.365 ug/l
RT: 11.956 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

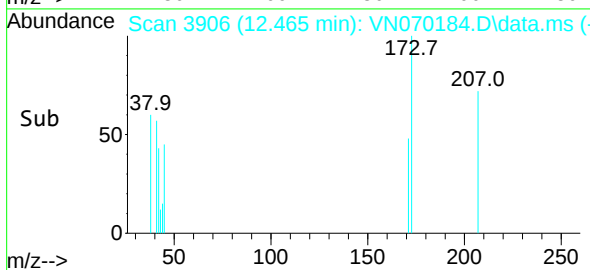
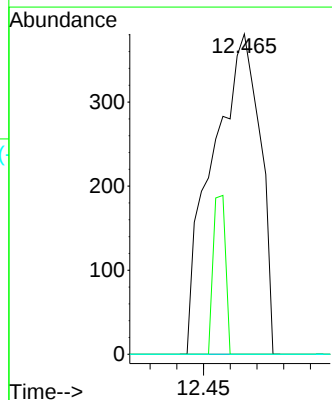
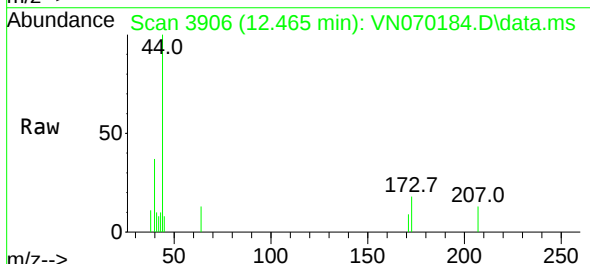
Instrument :
MSVOA_N
ClientSampleId :

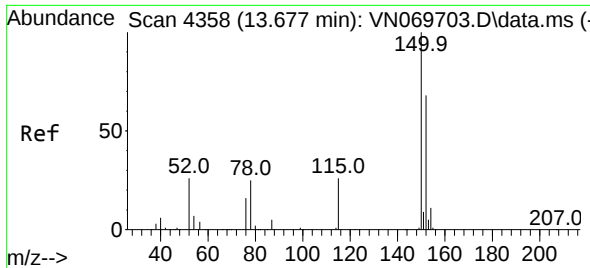
Tgt Ion:106 Resp: 11556
Ion Ratio Lower Upper
106 100
91 205.2 160.6 240.8



#71
Bromoform
Concen: 2.762 ug/l
RT: 12.465 min Scan# 3906
Delta R.T. 0.005 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Tgt Ion:173 Resp: 471
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0

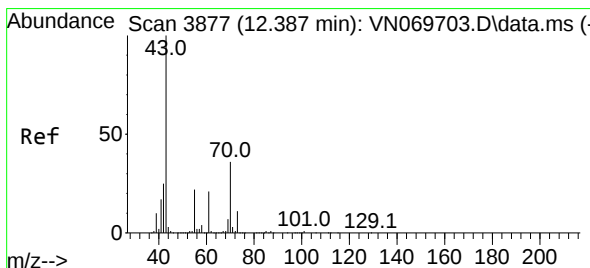
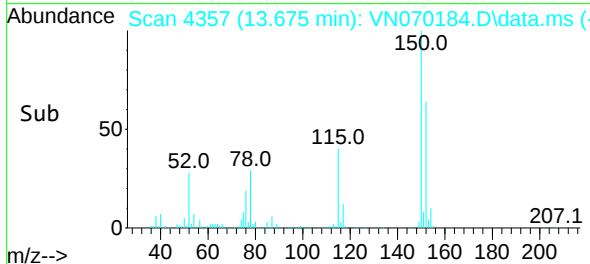
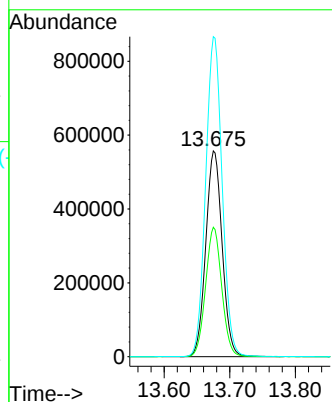
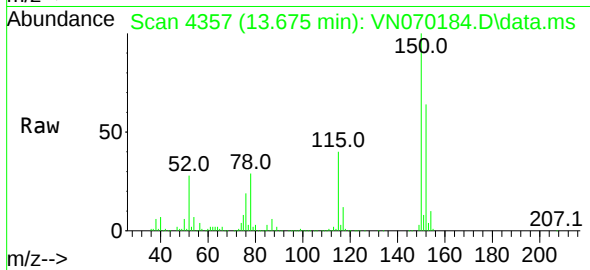




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

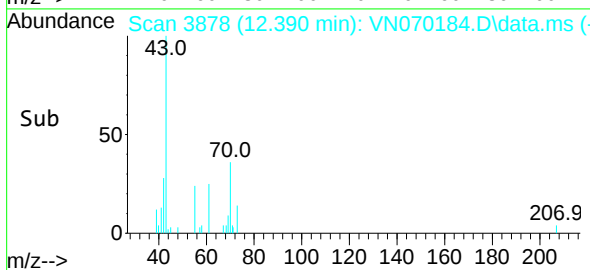
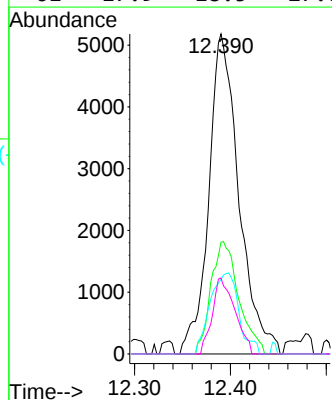
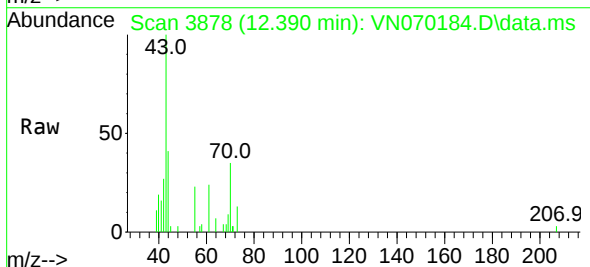
Instrument :
MSVOA_N
ClientSampleId :

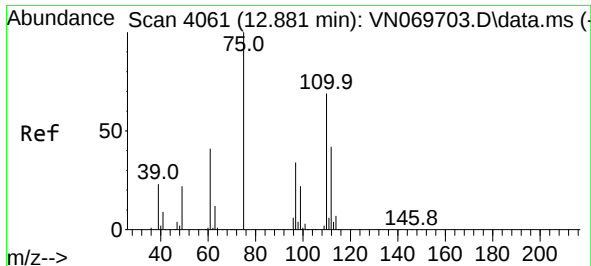
Tgt Ion:152 Resp: 966056
Ion Ratio Lower Upper
152 100
115 61.8 27.5 82.5
150 156.2 0.0 344.4



#74
N-ethyl acetate
Concen: 0.297 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Tgt Ion: 43 Resp: 11305
Ion Ratio Lower Upper
43 100
70 32.5 33.4 50.0#
55 24.1 19.3 28.9
61 17.9 18.5 27.7#

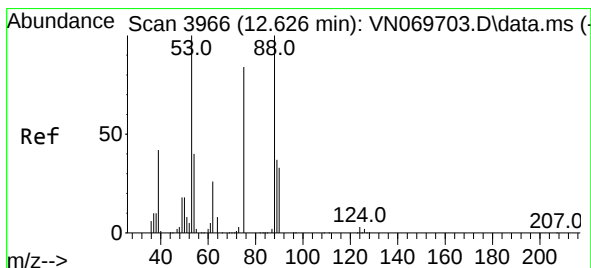
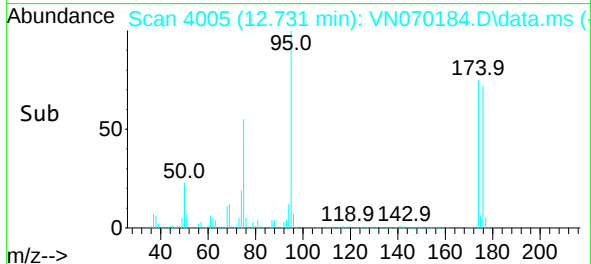
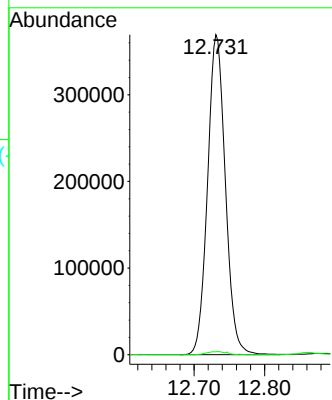
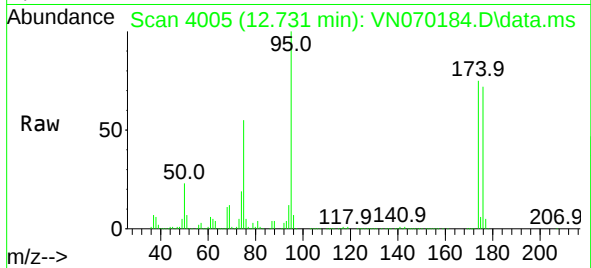




#76
1,2,3-Trichloropropane
Concen: 23.385 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

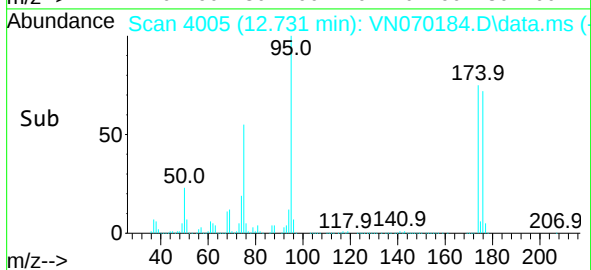
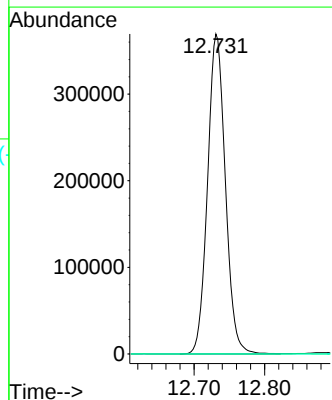
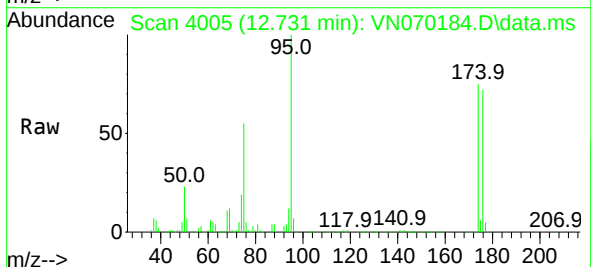
Instrument :
MSVOA_N
ClientSampleId :

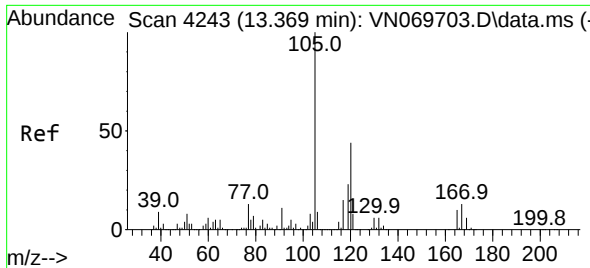
Tgt Ion: 75 Resp: 647851
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.379 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Tgt Ion: 75 Resp: 647851
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

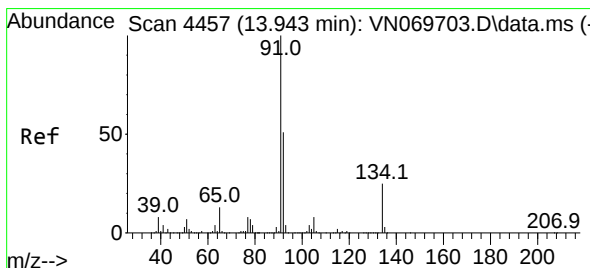
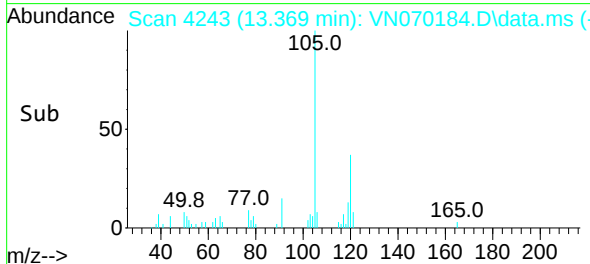
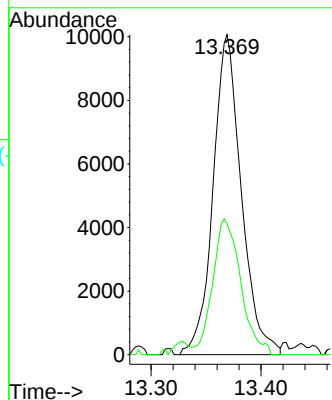
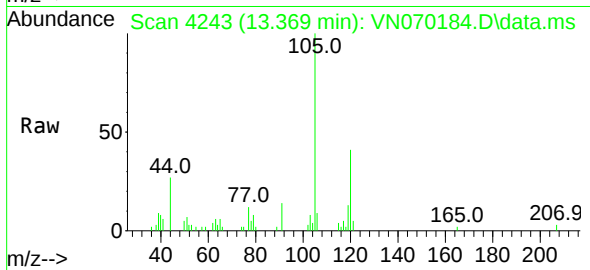




#84
1,2,4-Trimethylbenzene
Concen: 0.273 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

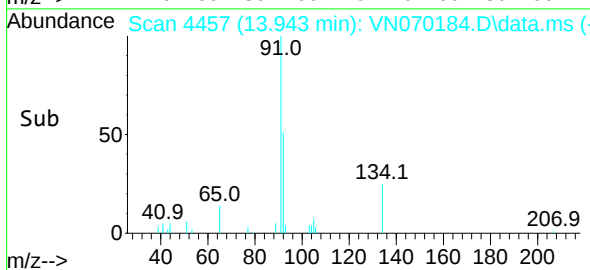
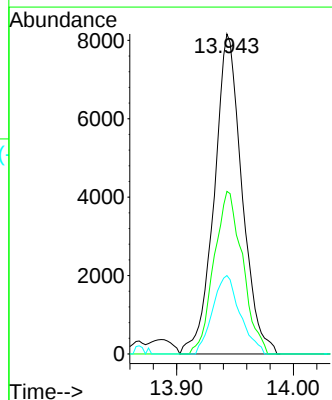
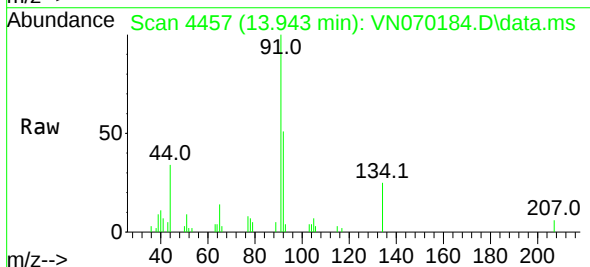
Instrument :
MSVOA_N
ClientSampleId :

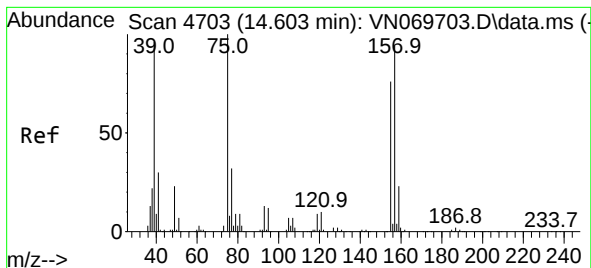
Tgt Ion:105 Resp: 17959
Ion Ratio Lower Upper
105 100
120 42.2 22.8 68.4



#89
n-Butylbenzene
Concen: 0.255 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

Tgt Ion: 91 Resp: 13437
Ion Ratio Lower Upper
91 100
92 52.6 25.4 76.0
134 24.3 13.6 40.8

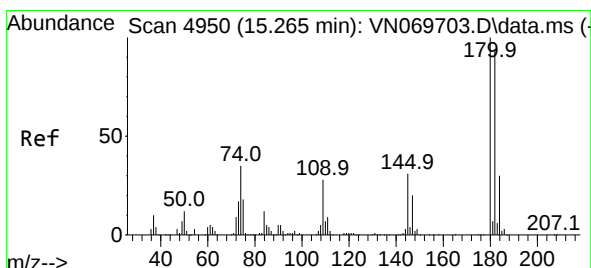
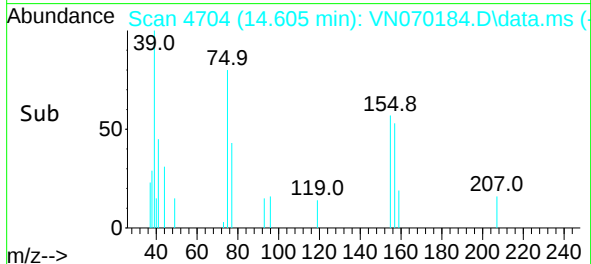
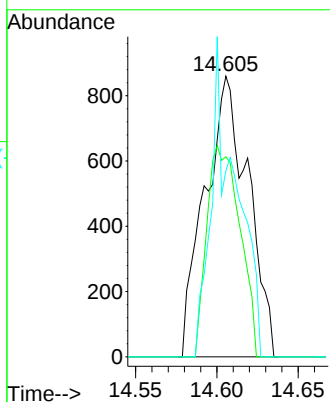
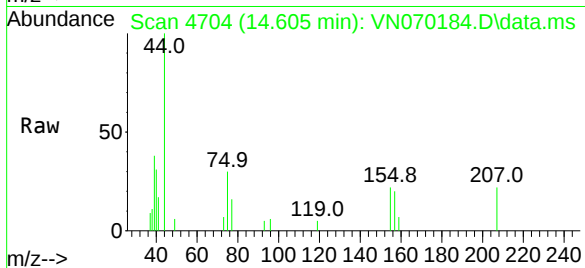




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.295 ug/l
 RT: 14.605 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070184.D
 Acq: 18 Dec 2021 00:42

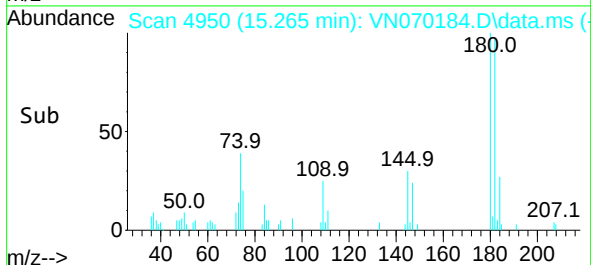
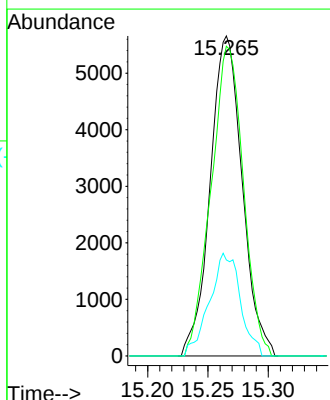
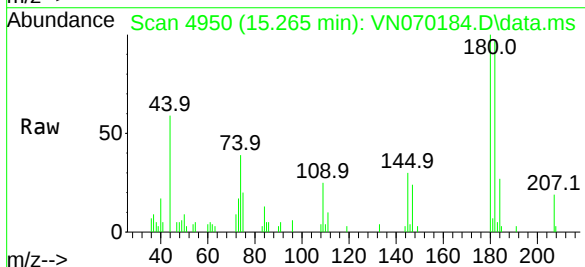
Instrument :
 MSVOA_N
 ClientSampleId :

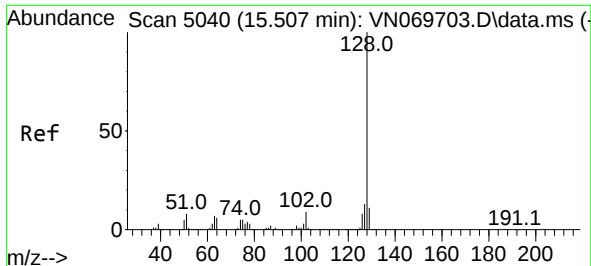
Tgt Ion: 75 Resp: 1585
 Ion Ratio Lower Upper
 75 100
 155 57.6 46.9 140.7
 157 33.8 60.6 181.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.500 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN070184.D
 Acq: 18 Dec 2021 00:42

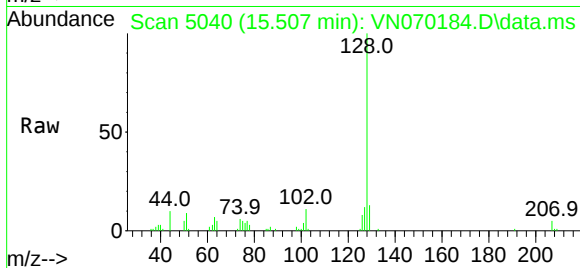
Tgt Ion:180 Resp: 10455
 Ion Ratio Lower Upper
 180 100
 182 97.6 48.3 144.9
 145 30.9 14.5 43.5



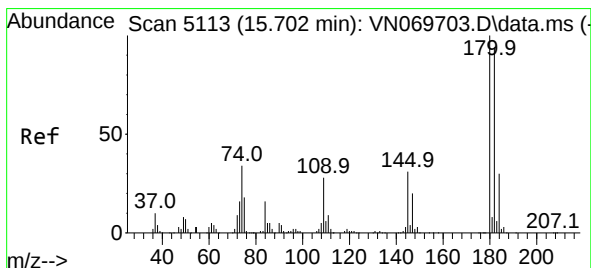
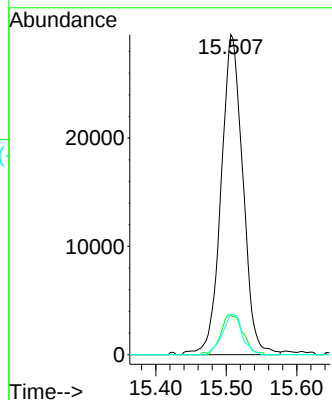
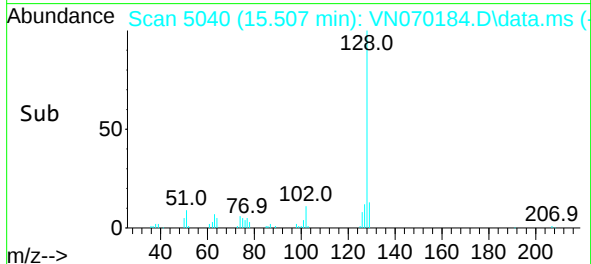


#95
Naphthalene
Concen: 5.221 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42

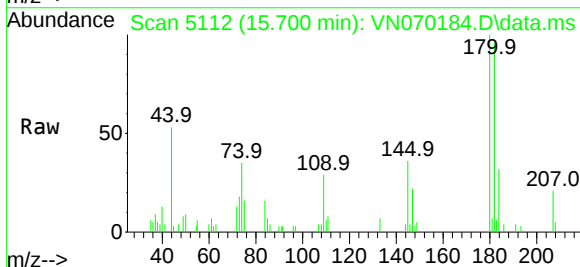
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 63420
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 11.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.218 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070184.D
Acq: 18 Dec 2021 00:42



Tgt Ion:180 Resp: 12706
Ion Ratio Lower Upper
180 100
182 93.1 47.4 142.2
145 32.7 15.0 45.1

