

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070188.D
 Acq On : 18 Dec 2021 2:24
 Operator : JC/MD
 Sample : M5128-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 06:02:45 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	8.086	168	1110138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2095336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2472708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	1034023	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	869829	50.747	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.500%
35) Dibromofluoromethane	8.021	113	619104	47.171	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.340%
50) Toluene-d8	10.440	98	2791226	52.964	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.920%
62) 4-Bromofluorobenzene	12.731	95	1243106	65.111	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	130.220%

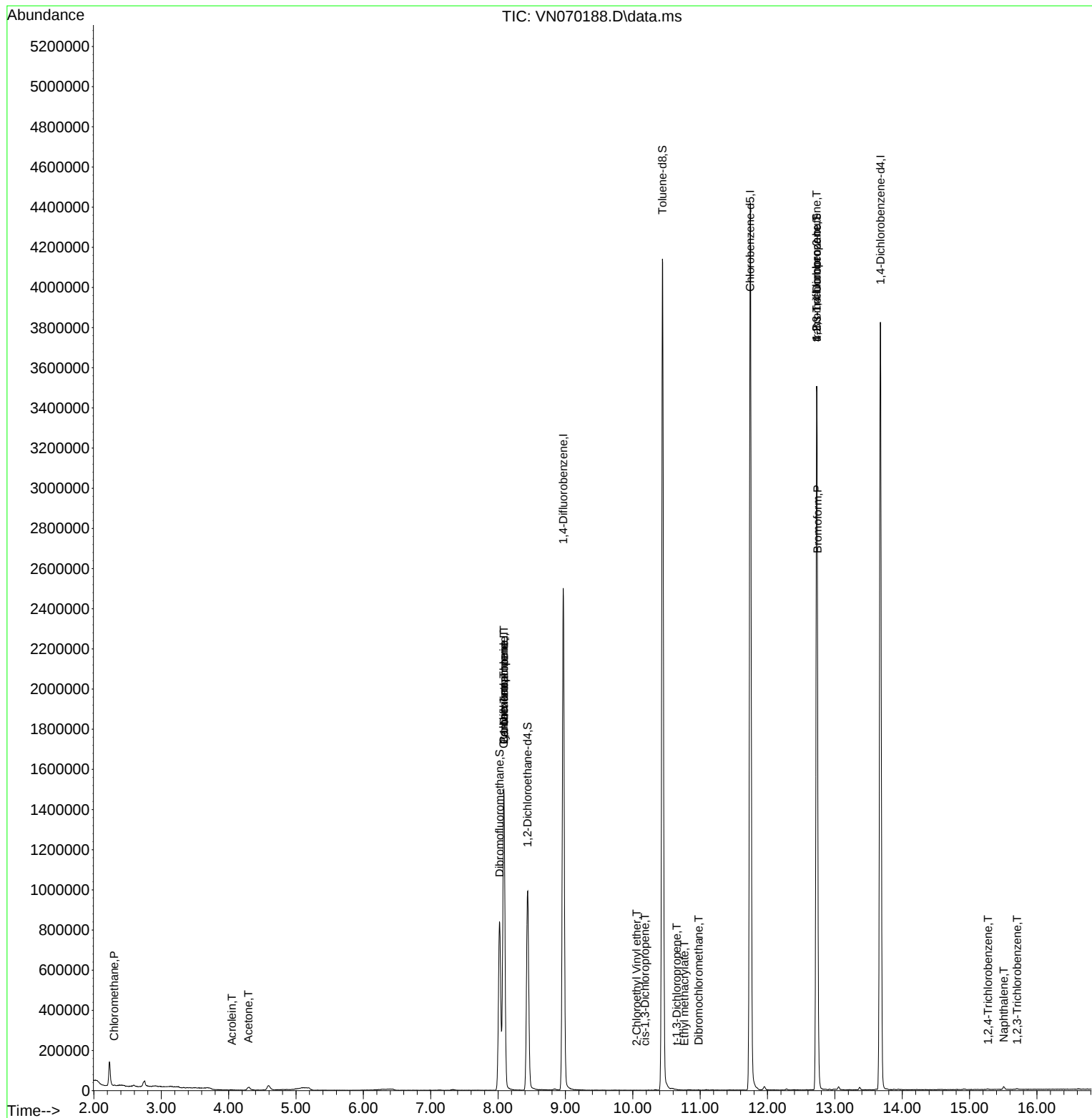
Target Compounds					Qvalue	
3) Chloromethane	2.301	50	3448	0.213	ug/l	93
13) Acrolein	4.049	56	669	0.242	ug/l #	70
16) Acetone	4.293	43	12878	1.249	ug/l	94
31) Cyclohexane	8.083	56	28358	1.189	ug/l #	20
36) 1,1-Dichloropropene	8.086	75	94236	4.724	ug/l #	49
38) Carbon Tetrachloride	8.086	117	112694	5.761	ug/l #	17
53) t-1,3-Dichloropropene	10.652	75	90	2.798	ug/l #	1
54) cis-1,3-Dichloropropene	10.183	75	50	2.001	ug/l #	32
56) Ethyl methacrylate	10.765	69	151	2.284	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.057	63	109	18.402	ug/l #	45
60) Dibromochloromethane	10.977	129	281	2.393	ug/l #	11
71) Bromoform	12.742	173	1304	2.813	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	679914	22.929	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	679914	73.009	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.273	180	1049	2.936	ug/l #	16
95) Naphthalene	15.507	128	12160	4.207	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.705	180	1338	2.513	ug/l #	84

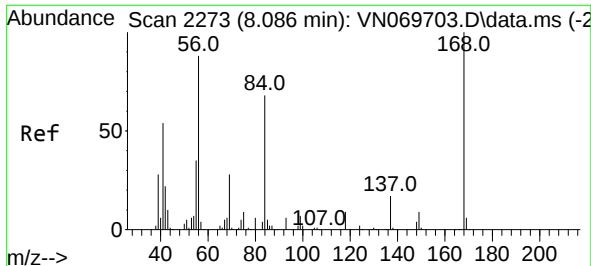
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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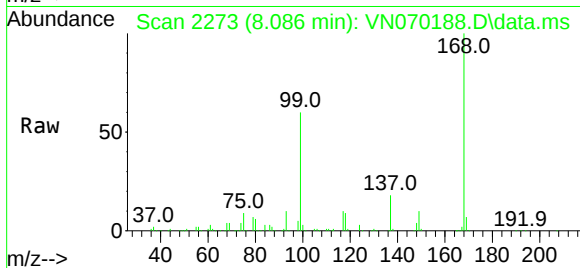
Quant Time: Dec 18 06:02:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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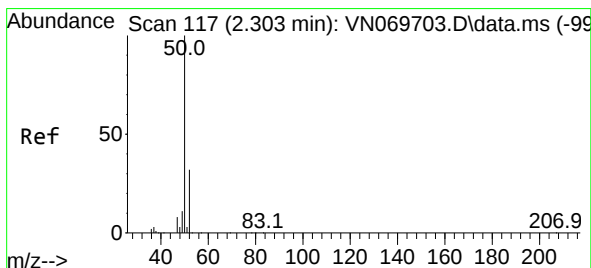
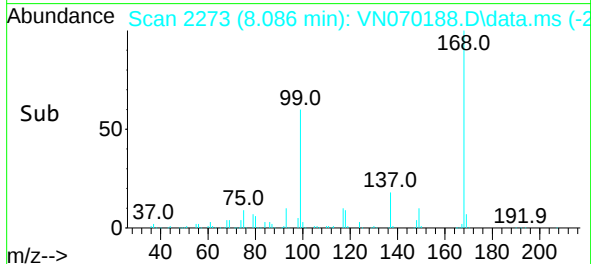
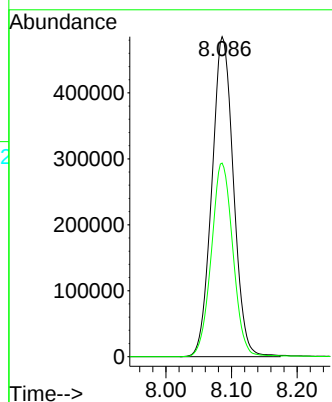


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

Instrument :
MSVOA_N
ClientSampleId :

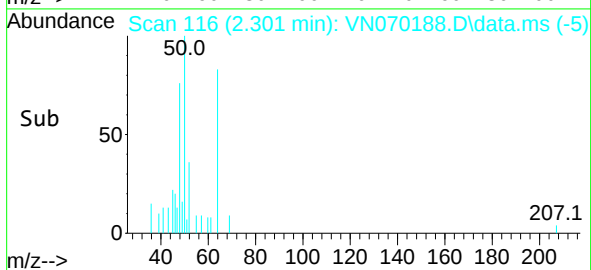
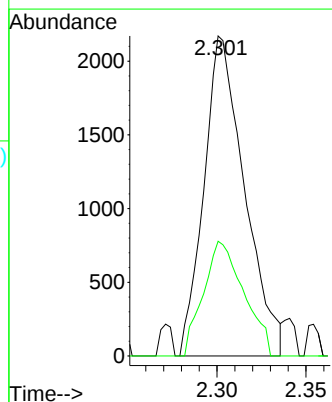
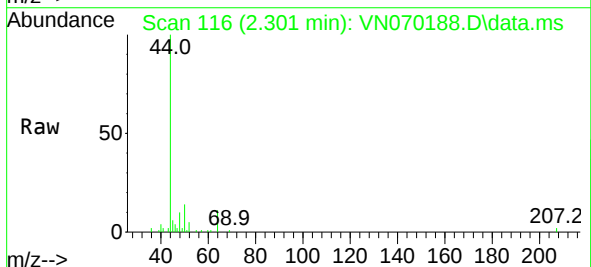


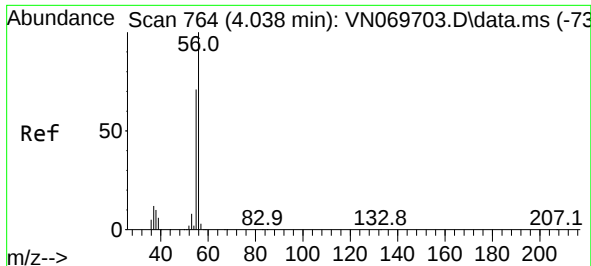
Tgt Ion:168 Resp: 1110138
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#3
Chloromethane
Concen: 0.213 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.003 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

Tgt Ion: 50 Resp: 3448
Ion Ratio Lower Upper
50 100
52 35.8 25.4 38.0

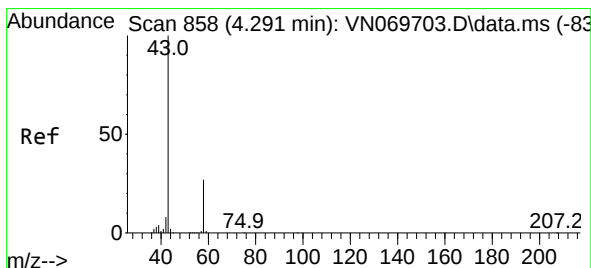
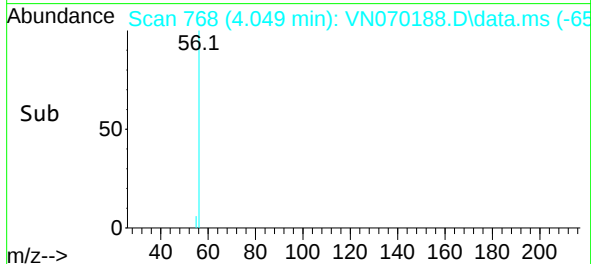
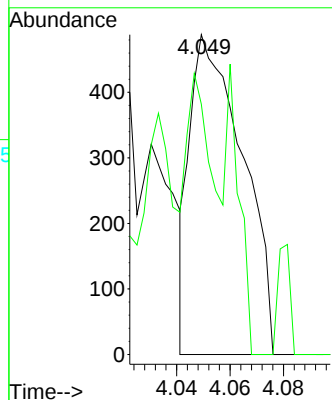
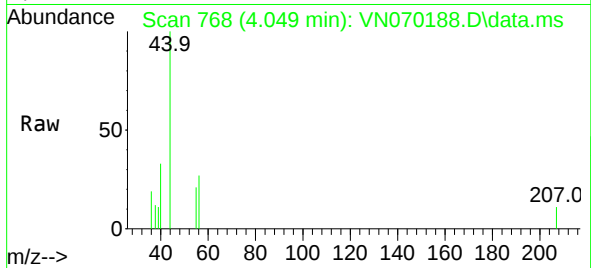




#13
Acrolein
Concen: 0.242 ug/l
RT: 4.049 min Scan# 764
Delta R.T. 0.011 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

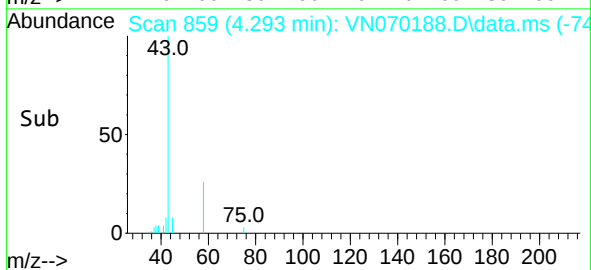
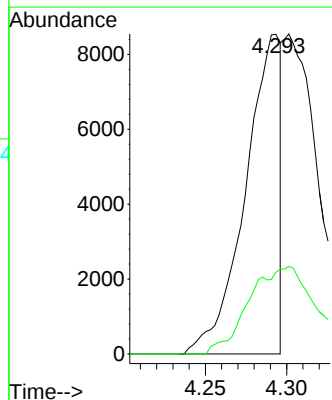
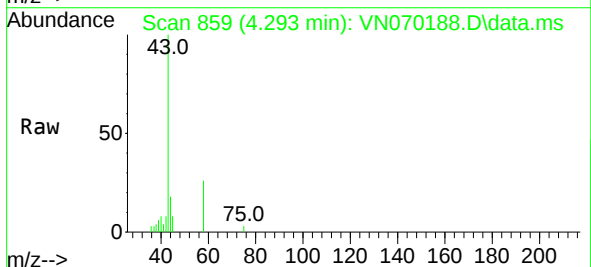
Instrument :
MSVOA_N
ClientSampleId :

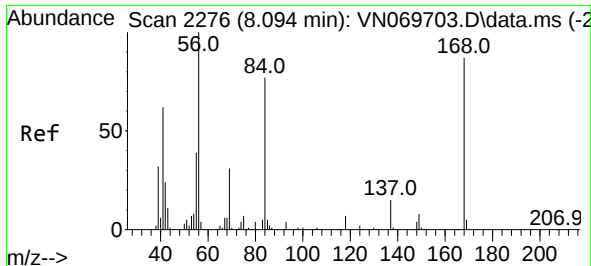
Tgt Ion: 56 Resp: 669
Ion Ratio Lower Upper
56 100
55 46.2 56.6 85.0#



#16
Acetone
Concen: 1.249 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

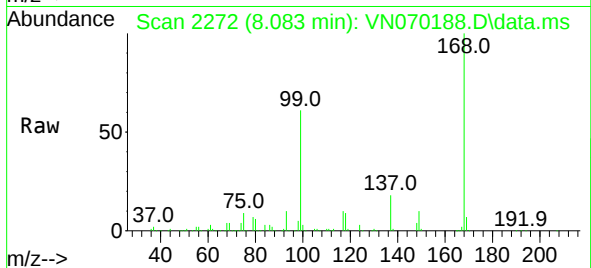
Tgt Ion: 43 Resp: 12878
Ion Ratio Lower Upper
43 100
58 25.5 23.1 34.7



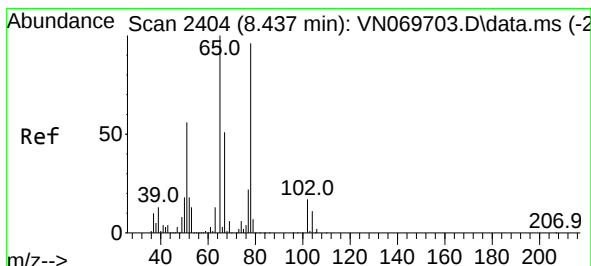
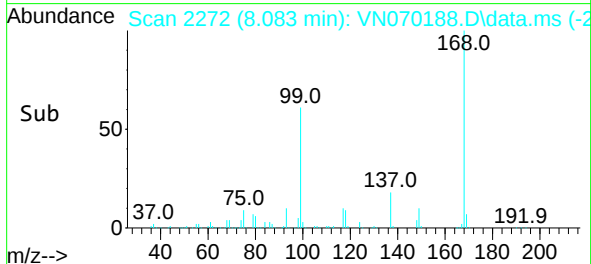
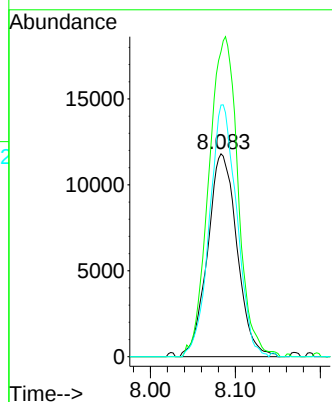


#31
Cyclohexane
Concen: 1.189 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

Instrument :
MSVOA_N
ClientSampleId :

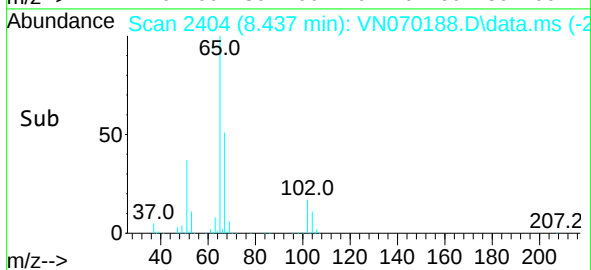
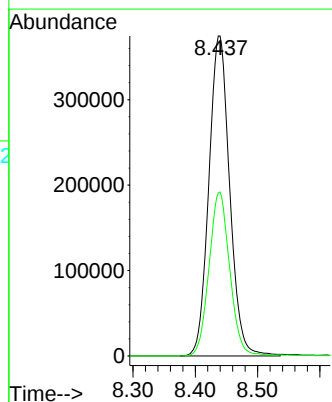
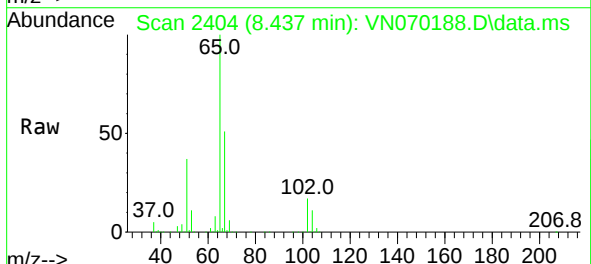


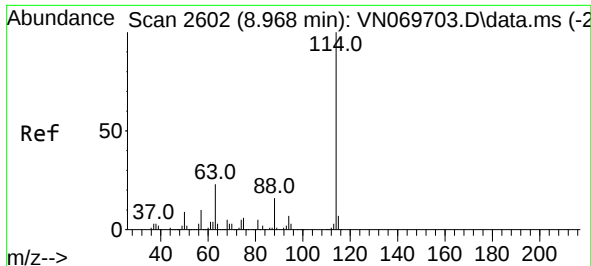
Tgt Ion: 56 Resp: 28358
Ion Ratio Lower Upper
56 100
69 150.4 27.1 40.7#
84 124.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.747 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

Tgt Ion: 65 Resp: 869829
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN070188.D

Acq: 18 Dec 2021 2:24

Instrument :

MSVOA_N

ClientSampleId :

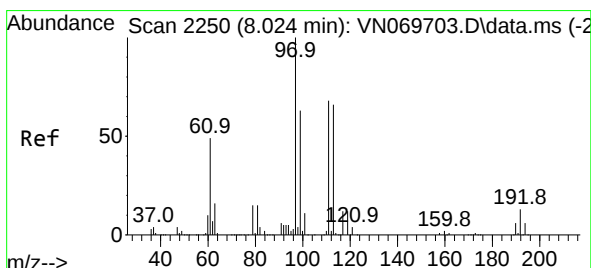
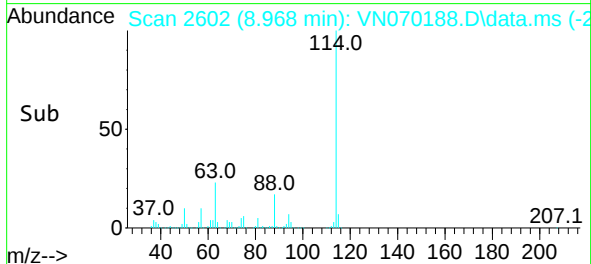
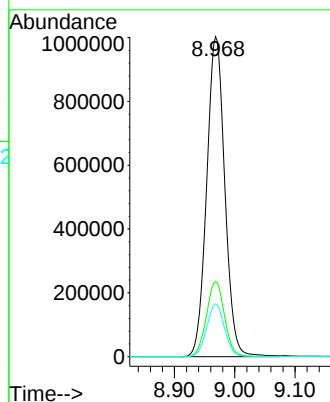
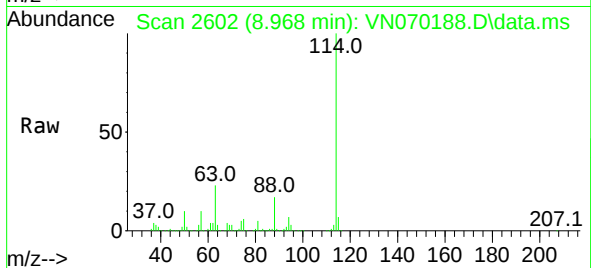
Tgt Ion:114 Resp: 2095336

Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.5 0.0 27.4



#35

Dibromofluoromethane

Concen: 47.171 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. -0.003 min

Lab File: VN070188.D

Acq: 18 Dec 2021 2:24

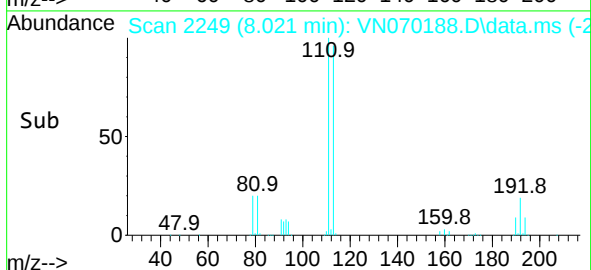
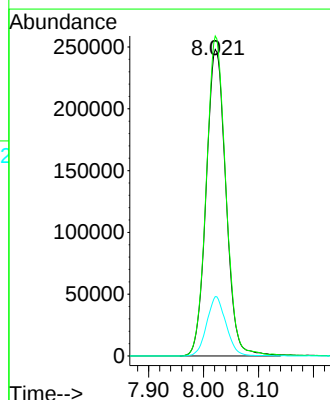
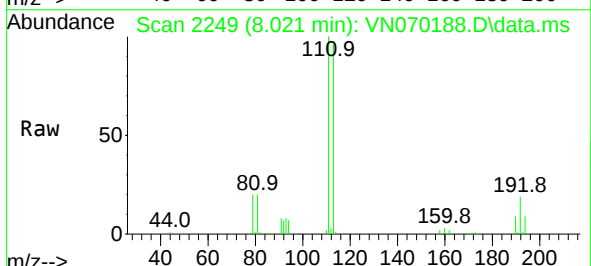
Tgt Ion:113 Resp: 619104

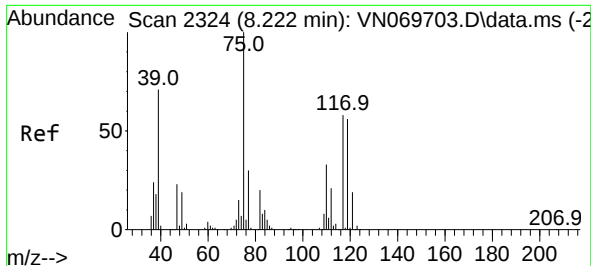
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

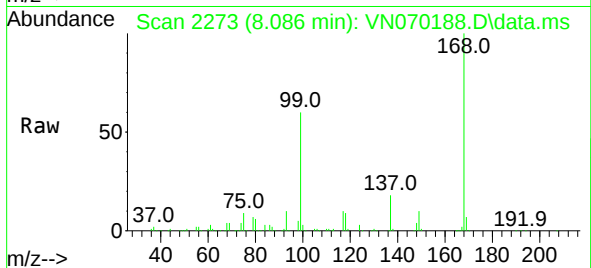
192 18.9 16.9 25.3



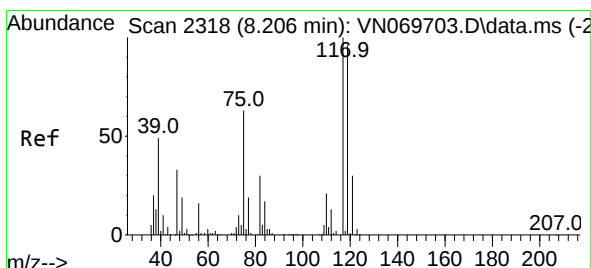
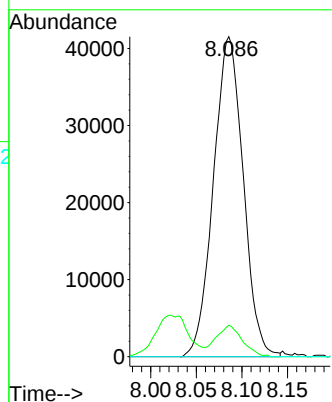
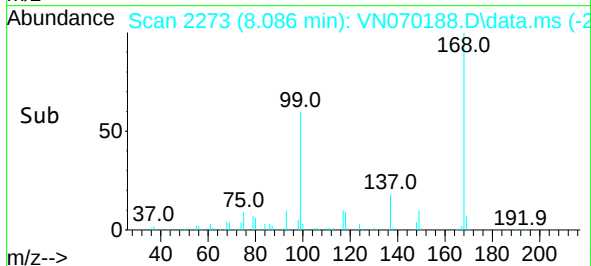


#36
 1,1-Dichloropropene
 Concen: 4.724 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070188.D
 Acq: 18 Dec 2021 2:24

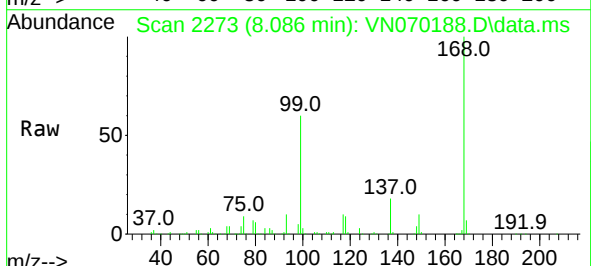
Instrument :
 MSVOA_N
 ClientSampleId :



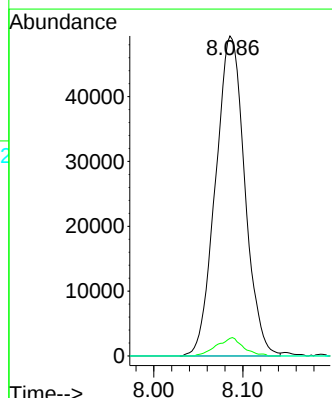
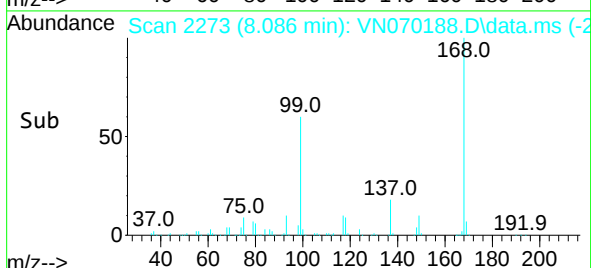
Tgt Ion: 75 Resp: 94236
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.4 55.2#
 77 0.0 24.4 36.6#

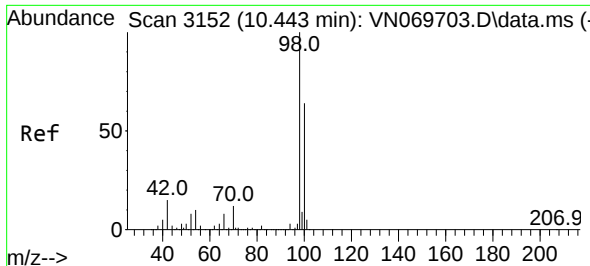


#38
 Carbon Tetrachloride
 Concen: 5.761 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.121 min
 Lab File: VN070188.D
 Acq: 18 Dec 2021 2:24



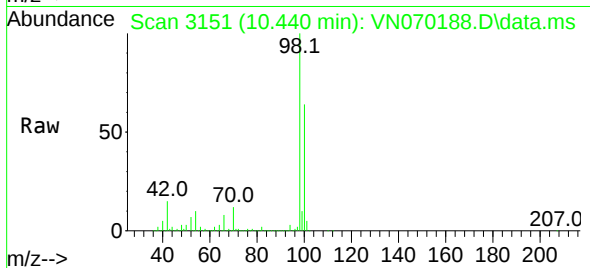
Tgt Ion: 117 Resp: 112694
 Ion Ratio Lower Upper
 117 100
 119 5.5 76.1 114.1#
 121 0.0 24.2 36.2#



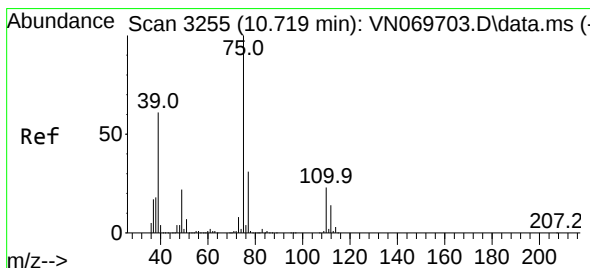
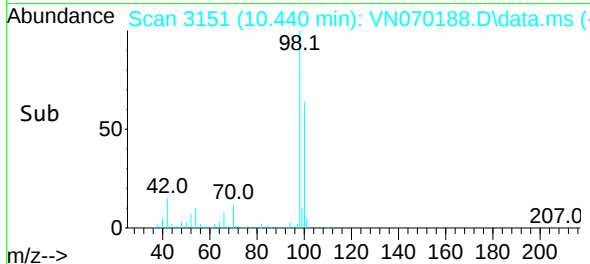
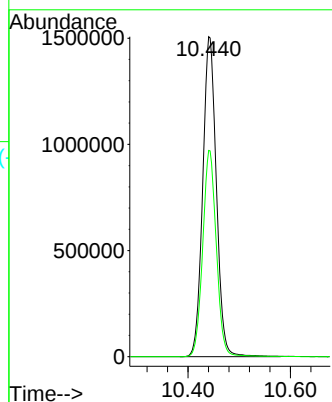


#50
Toluene-d8
Concen: 52.964 ug/l
RT: 10.440 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

Instrument :
MSVOA_N
ClientSampleId :

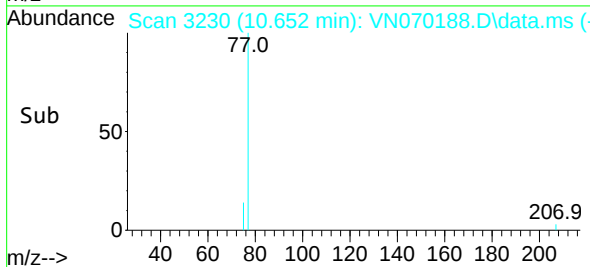
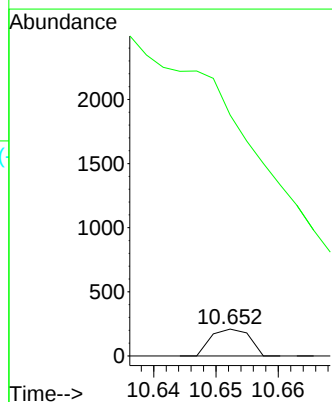
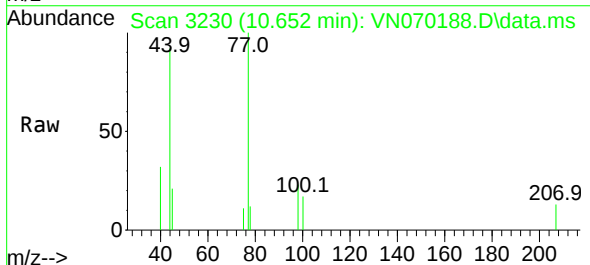


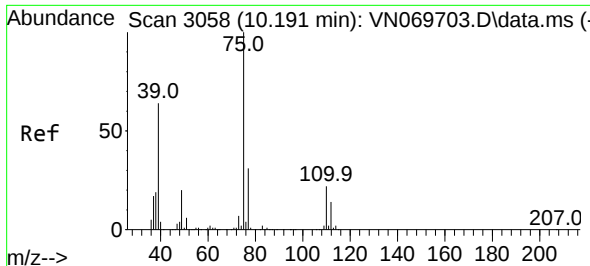
Tgt Ion: 98 Resp: 2791226
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.798 ug/l
RT: 10.652 min Scan# 3230
Delta R.T. -0.067 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

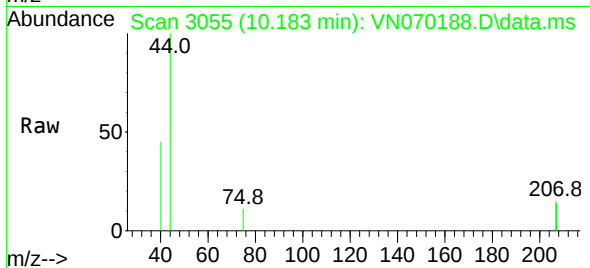
Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
77 261.2 25.6 38.4#



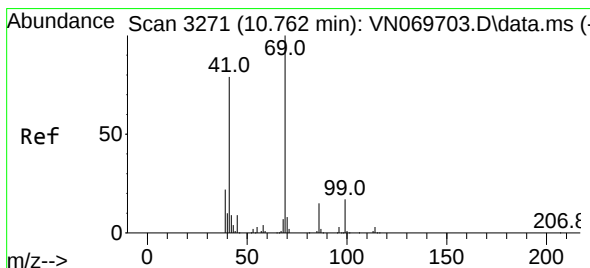
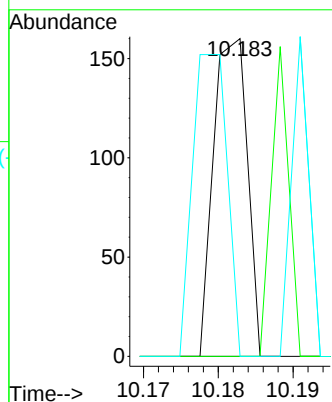
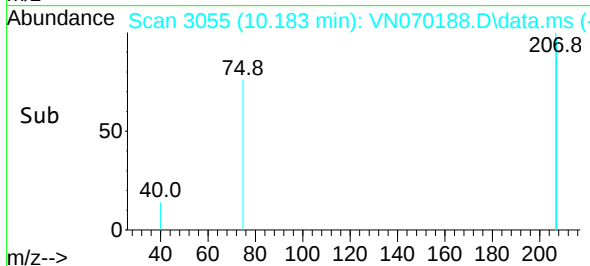


#54
 cis-1,3-Dichloropropene
 Concen: 2.001 ug/l
 RT: 10.183 min Scan# 3055
 Delta R.T. -0.008 min
 Lab File: VN070188.D
 Acq: 18 Dec 2021 2:24

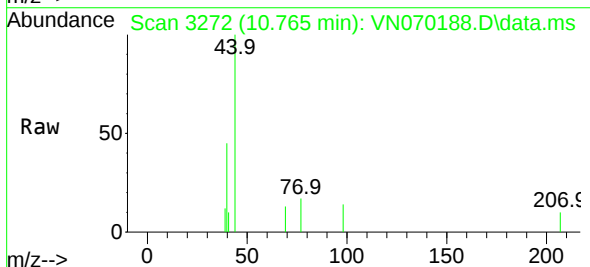
Instrument :
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 ClientSampleId :



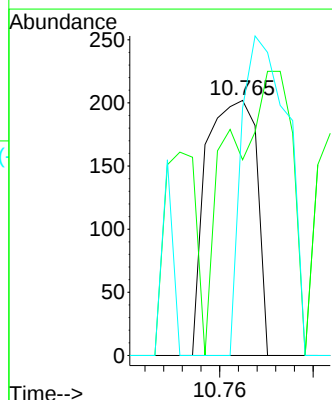
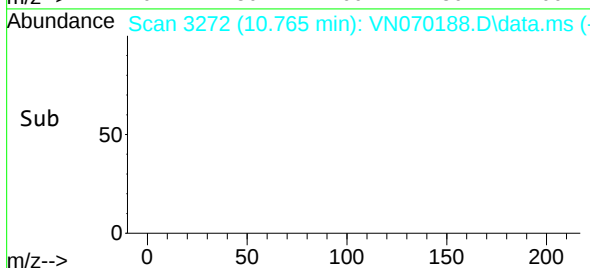
Tgt Ion: 75 Resp: 50
 Ion Ratio Lower Upper
 75 100
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 39 0.0 42.5 63.7#

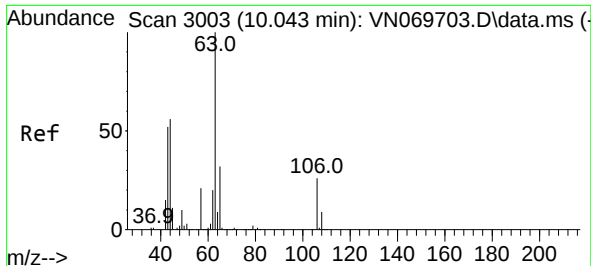


#56
 Ethyl methacrylate
 Concen: 2.284 ug/l
 RT: 10.765 min Scan# 3272
 Delta R.T. 0.003 min
 Lab File: VN070188.D
 Acq: 18 Dec 2021 2:24



Tgt Ion: 69 Resp: 151
 Ion Ratio Lower Upper
 69 100
 41 138.4 51.4 77.0#
 39 114.6 34.6 52.0#

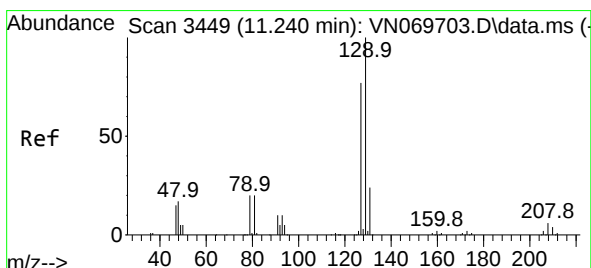
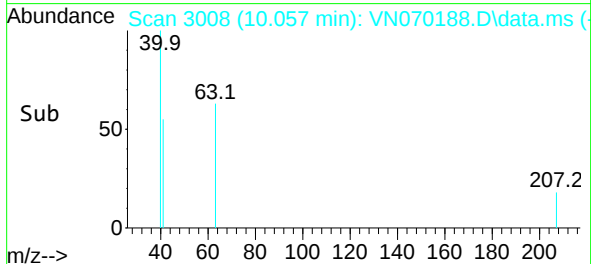
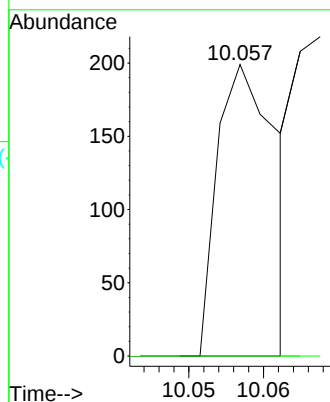
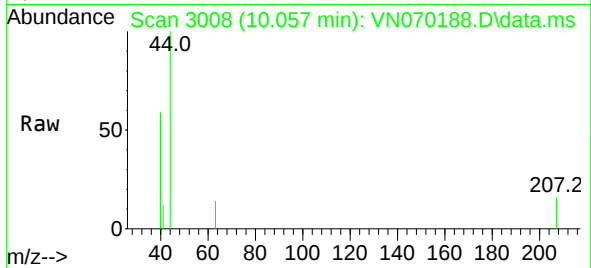




#58
2-Chloroethyl Vinyl ether
Concen: 18.402 ug/l
RT: 10.057 min Scan# 3003
Delta R.T. 0.014 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

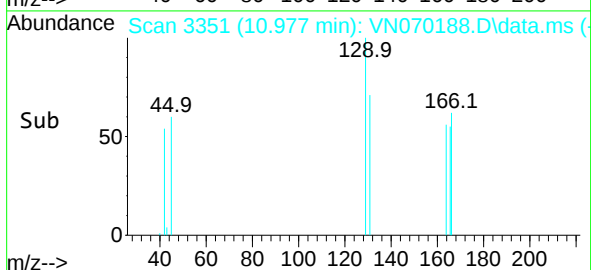
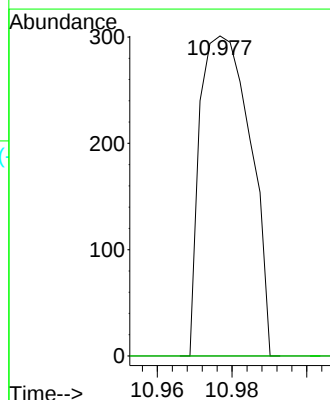
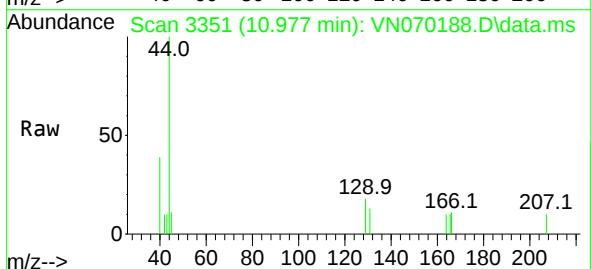
Instrument :
MSVOA_N
ClientSampleId :

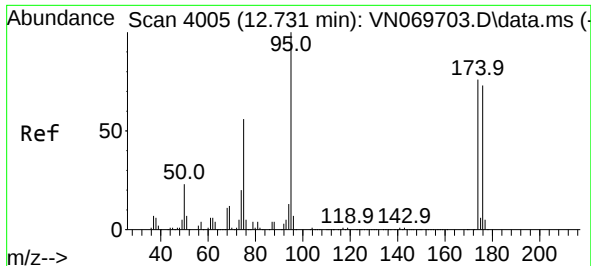
Tgt Ion: 63 Resp: 109
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.393 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

Tgt Ion: 129 Resp: 281
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

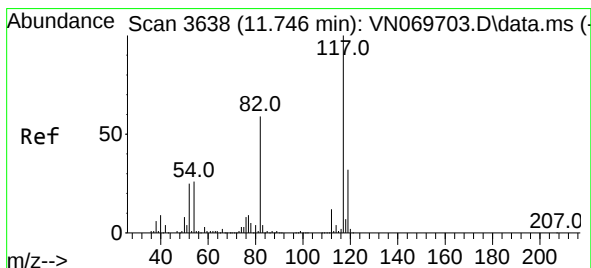
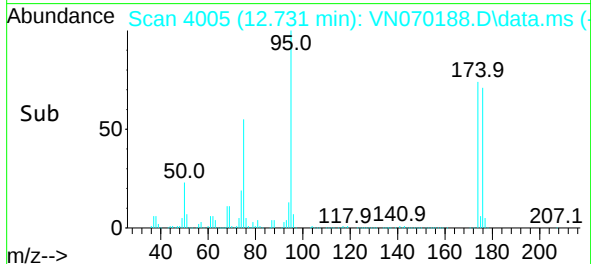
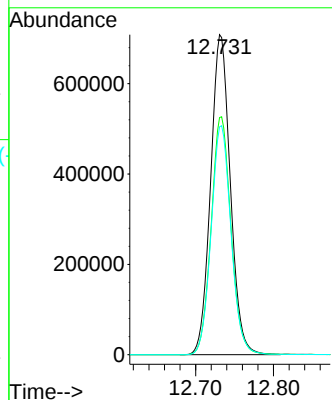
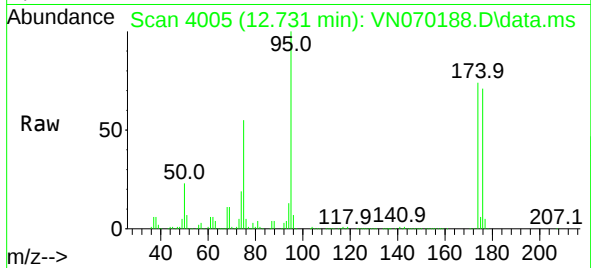




#62
4-Bromofluorobenzene
Concen: 65.111 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

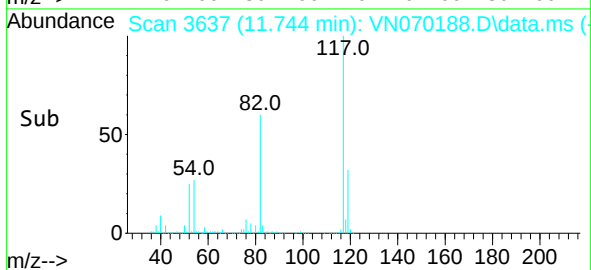
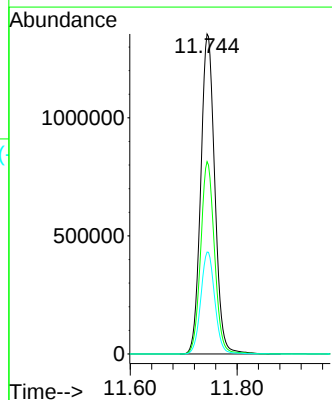
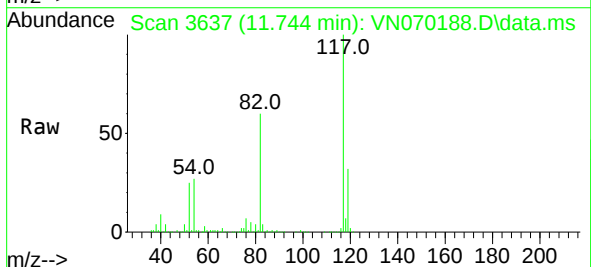
Instrument :
MSVOA_N
ClientSampleId :

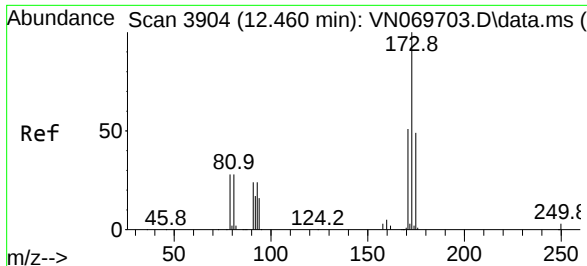
Tgt Ion: 95 Resp: 1243106
Ion Ratio Lower Upper
95 100
174 75.0 0.0 187.2
176 72.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

Tgt Ion: 117 Resp: 2472708
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 31.8 25.4 38.2





#71

Bromoform

Concen: 2.813 ug/l

RT: 12.742 min Scan# 4009

Delta R.T. 0.281 min

Lab File: VN070188.D

Acq: 18 Dec 2021 2:24

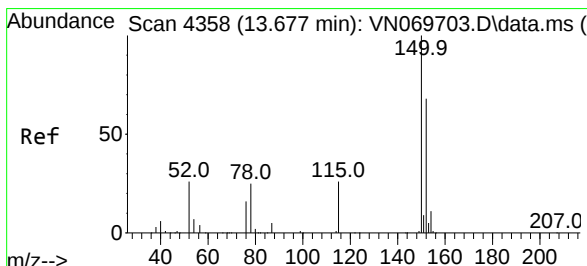
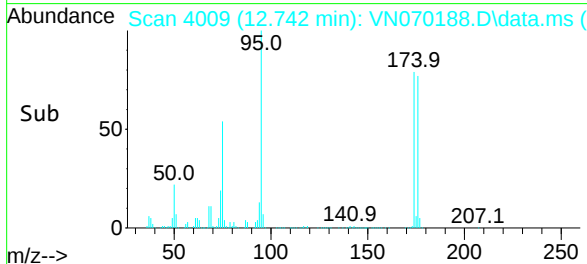
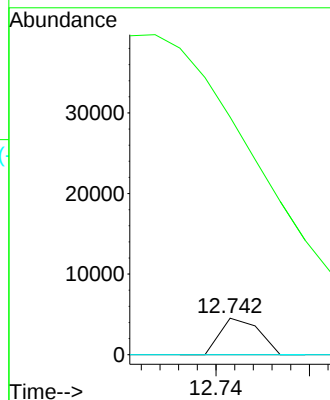
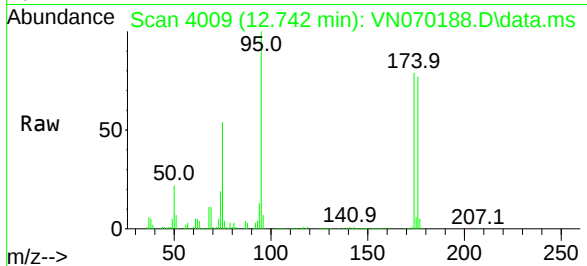
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1304

Ion	Ratio	Lower	Upper
173	100		
175	5084.9	24.2	72.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

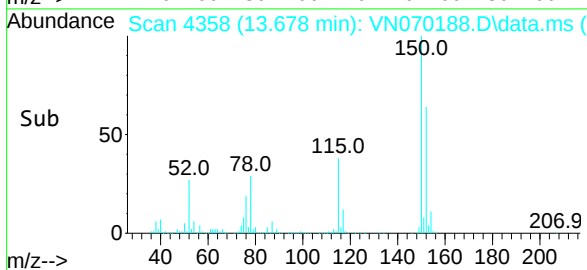
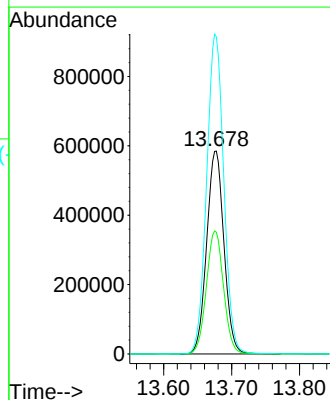
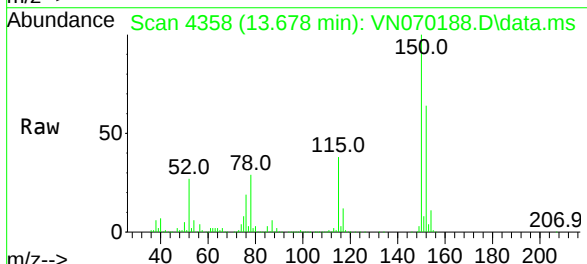
Delta R.T. 0.000 min

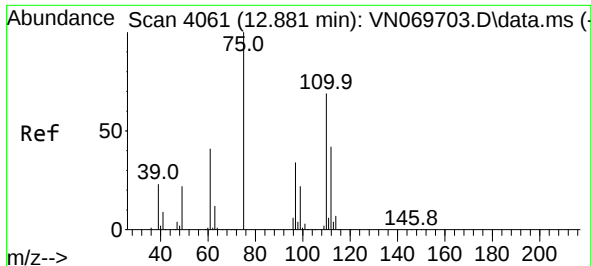
Lab File: VN070188.D

Acq: 18 Dec 2021 2:24

Tgt Ion:152 Resp: 1034023

Ion	Ratio	Lower	Upper
152	100		
115	60.3	27.5	82.5
150	156.1	0.0	344.4

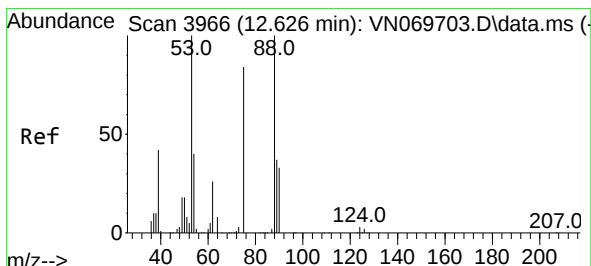
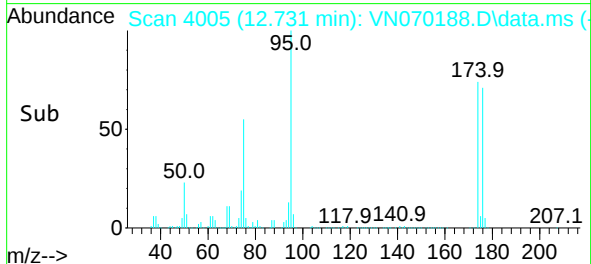
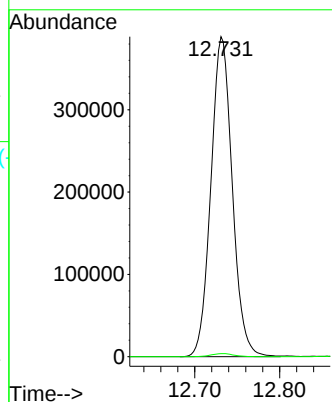
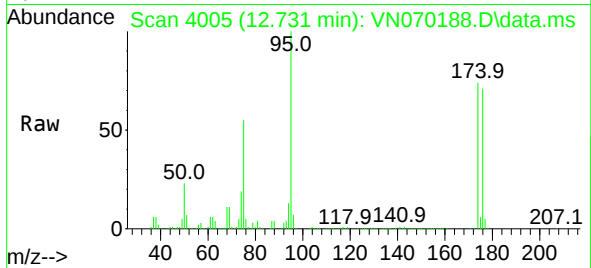




#76
1,2,3-Trichloropropane
Concen: 22.929 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

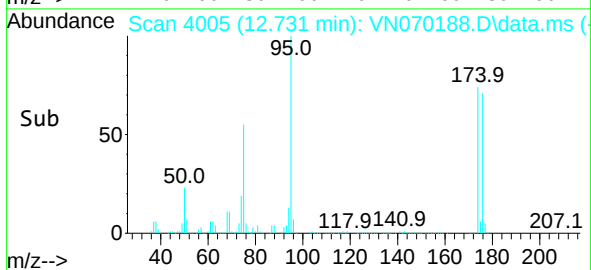
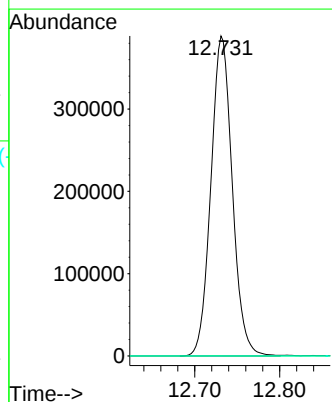
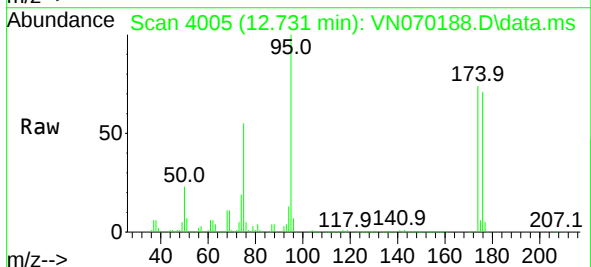
Instrument :
MSVOA_N
ClientSampleId :

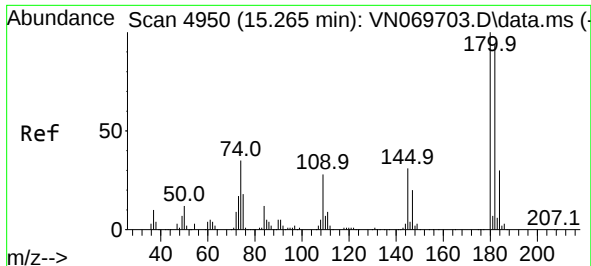
Tgt Ion: 75 Resp: 679914
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.009 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

Tgt Ion: 75 Resp: 679914
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

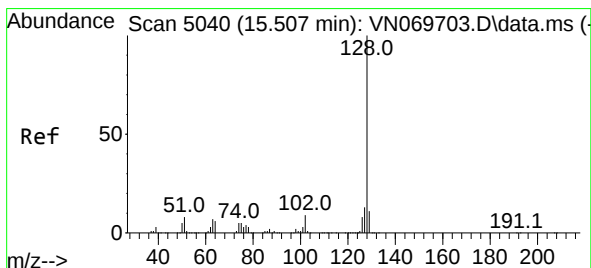
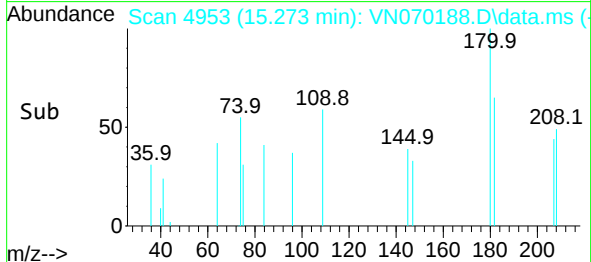
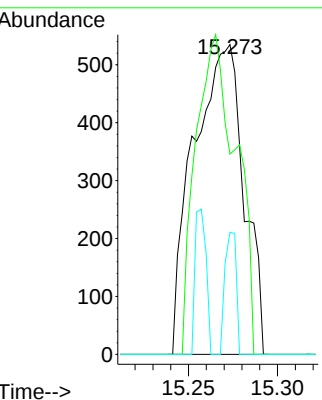
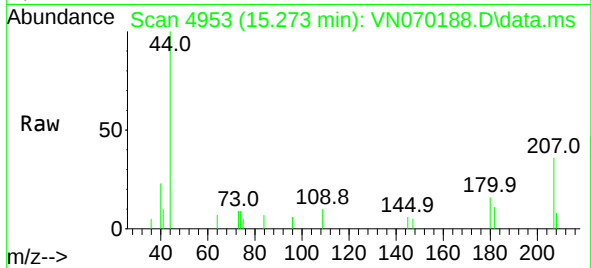




#93
1,2,4-Trichlorobenzene
Concen: 2.936 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

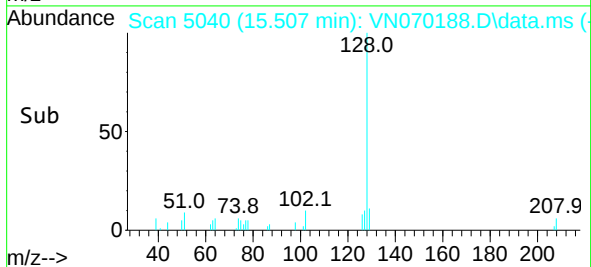
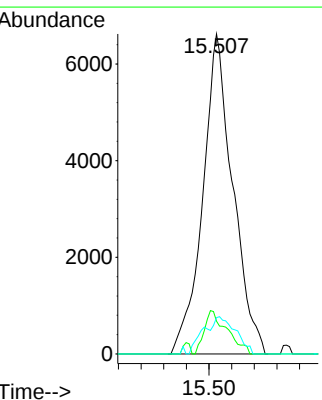
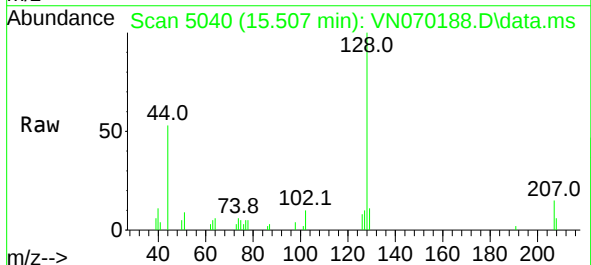
Instrument :
MSVOA_N
ClientSampleId :

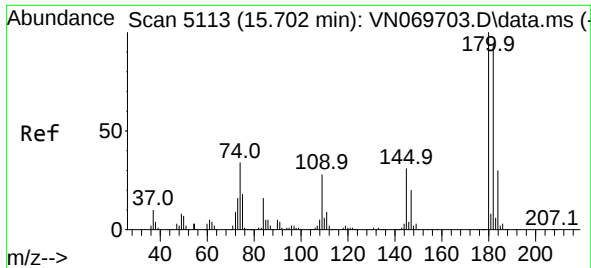
Tgt Ion:180 Resp: 1049
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 8.9 14.5 43.5#



#95
Naphthalene
Concen: 4.207 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070188.D
Acq: 18 Dec 2021 2:24

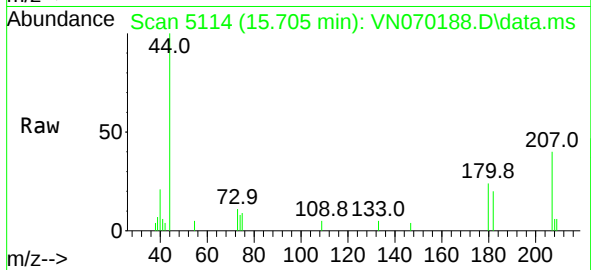
Tgt Ion:128 Resp: 12160
Ion Ratio Lower Upper
128 100
127 10.3 10.5 15.7#
129 8.6 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.513 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN070188.D
 Acq: 18 Dec 2021 2:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1338
 Ion Ratio Lower Upper
 180 100
 182 86.4 47.4 142.2
 145 8.9 15.0 45.1#

