

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070157.D
 Acq On : 17 Dec 2021 12:01
 Operator : JC/MD
 Sample : VN1217WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 05:44:51 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

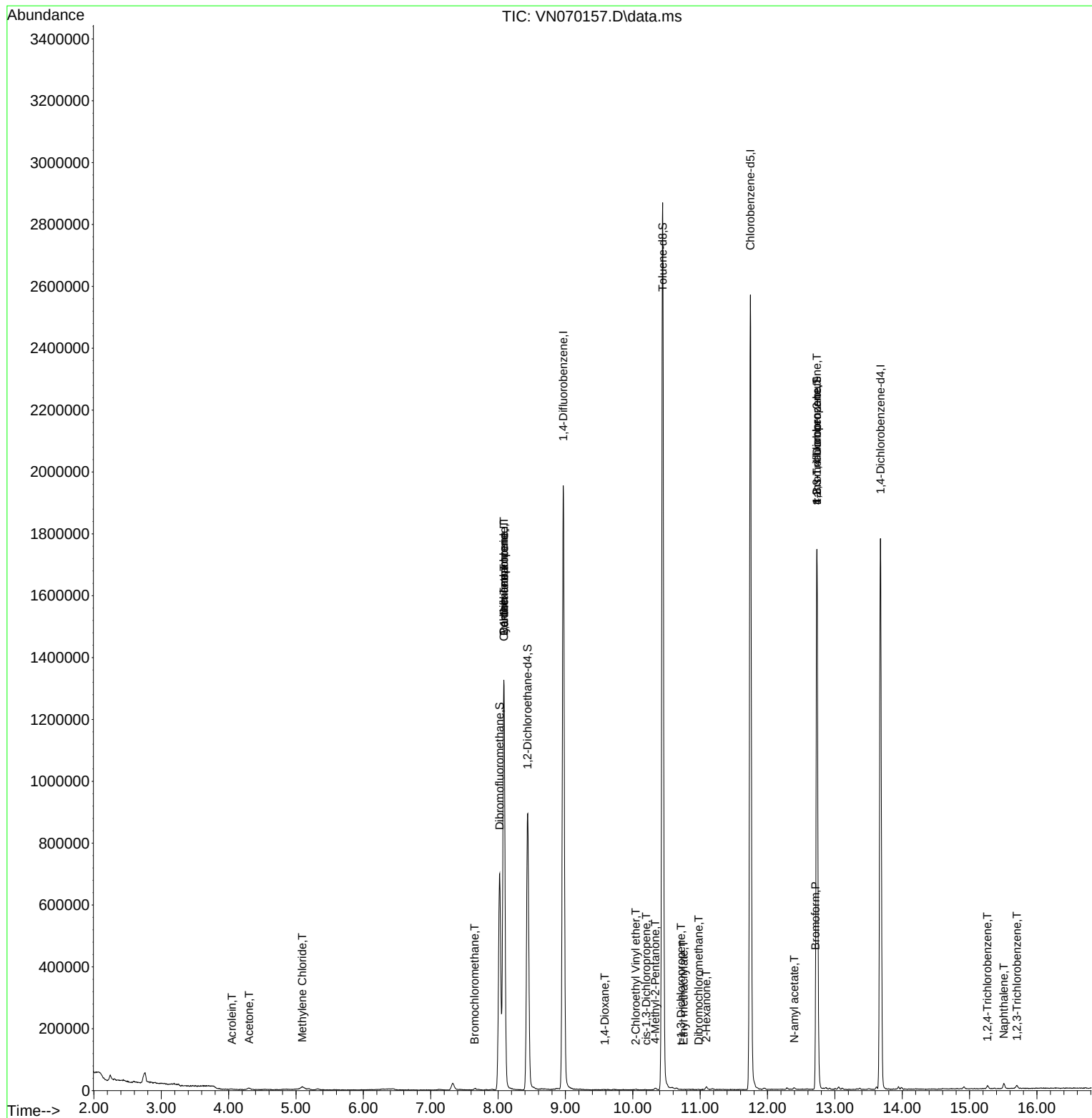
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	988635	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1646883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1443054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	484257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	784650	51.403	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.800%
35) Dibromofluoromethane	8.021	113	509953	49.435	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.860%
50) Toluene-d8	10.443	98	1955949	47.221	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.440%
62) 4-Bromofluorobenzene	12.733	95	628501	41.883	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	83.760%
Target Compounds						
					Qvalue	
13) Acrolein	4.049	56	1222	0.497	ug/l	# 51
16) Acetone	4.301	43	7288	0.794	ug/l	98
20) Methylene Chloride	5.092	84	4997	0.409	ug/l	# 82
28) Bromochloromethane	7.651	49	2699	0.242	ug/l	# 82
31) Cyclohexane	8.088	56	24675	1.162	ug/l	# 20
36) 1,1-Dichloropropene	8.086	75	82170	5.241	ug/l	# 49
38) Carbon Tetrachloride	8.086	117	102361	6.658	ug/l	# 15
49) 1,4-Dioxane	9.582	88	128	0.443	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.336	43	4739	0.212	ug/l	# 68
53) t-1,3-Dichloropropene	10.717	75	266	2.807	ug/l	# 43
54) cis-1,3-Dichloropropene	10.199	75	26	2.000	ug/l	# 32
56) Ethyl methacrylate	10.754	69	187	2.287	ug/l	# 48
58) 2-Chloroethyl Vinyl ether	10.043	63	982	18.540	ug/l	# 81
59) 2-Hexanone	11.092	43	8385	0.495	ug/l	92
60) Dibromochloromethane	10.977	129	190	2.391	ug/l	# 11
71) Bromoform	12.712	173	136	2.745	ug/l	# 29
74) N-amyl acetate	12.395	43	4204	0.221	ug/l	# 67
76) 1,2,3-Trichloropropane	12.733	75	348188	25.072	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.733	75	348188	79.455	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.265	180	3580	3.303	ug/l	88
95) Naphthalene	15.507	128	15890	4.603	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.702	180	4123	2.942	ug/l	# 89

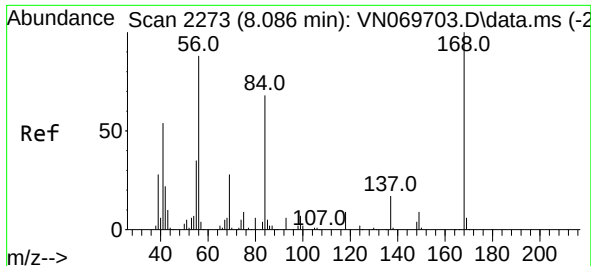
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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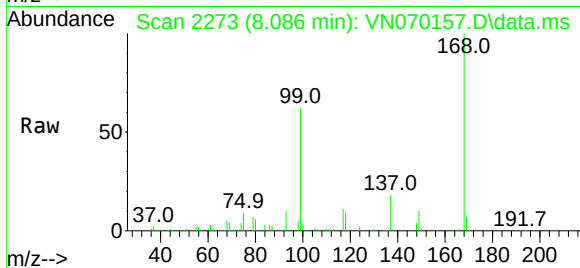
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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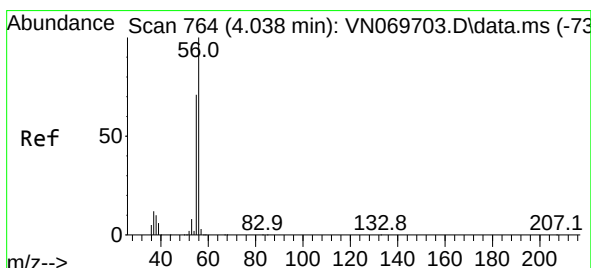
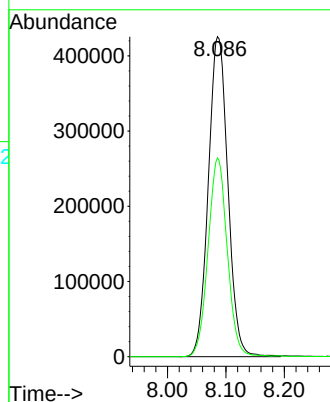
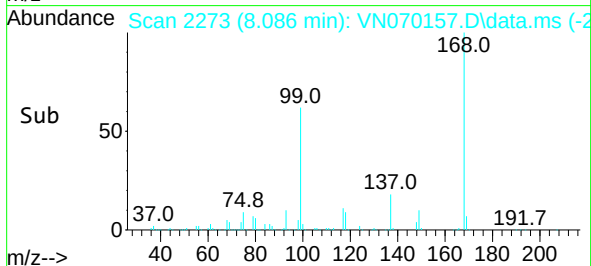


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

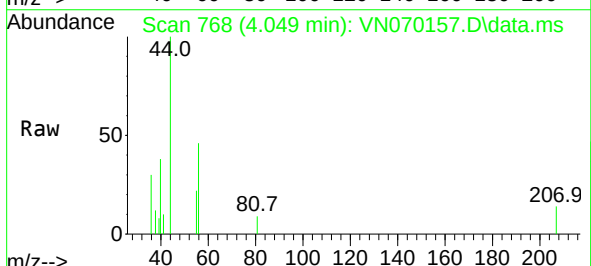
Instrument :
MSVOA_N
ClientSampleId :



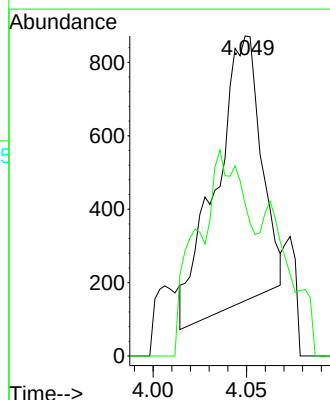
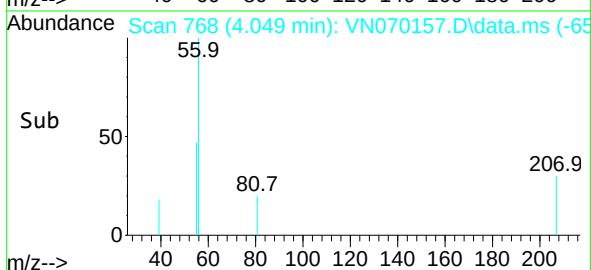
Tgt Ion:168 Resp: 988635
Ion Ratio Lower Upper
168 100
99 62.1 41.3 61.9#

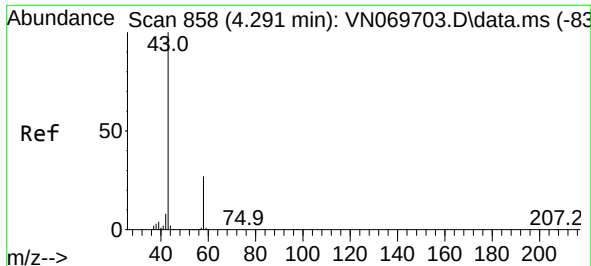


#13
Acrolein
Concen: 0.497 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.011 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01



Tgt Ion: 56 Resp: 1222
Ion Ratio Lower Upper
56 100
55 30.6 56.6 85.0#

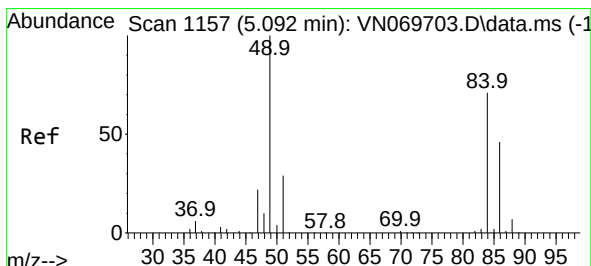
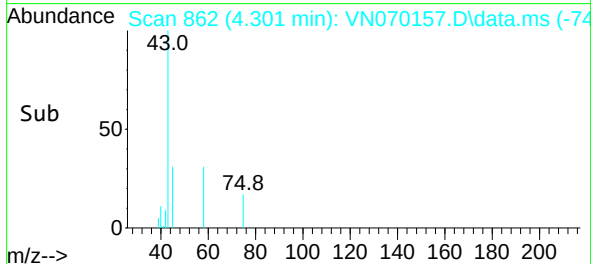
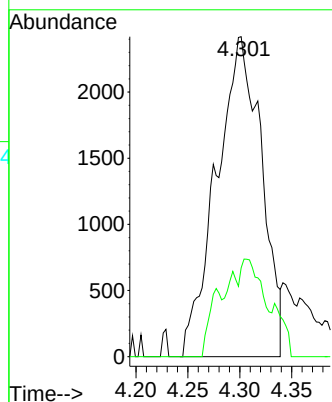
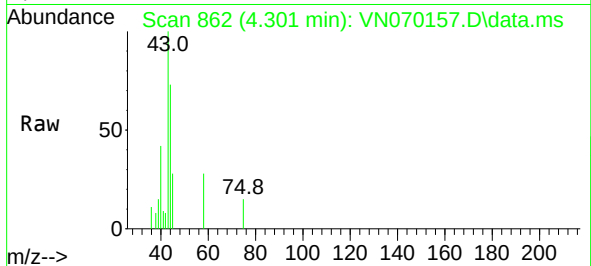




#16
Acetone
Concen: 0.794 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

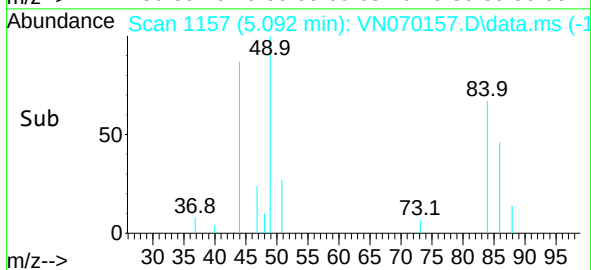
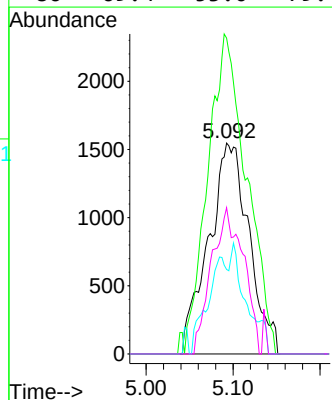
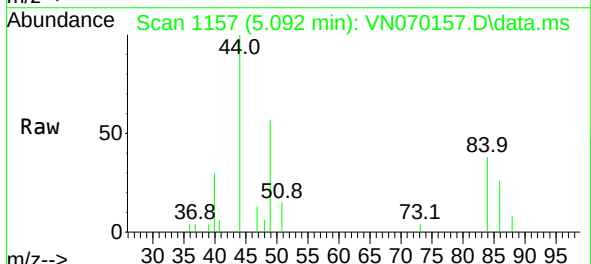
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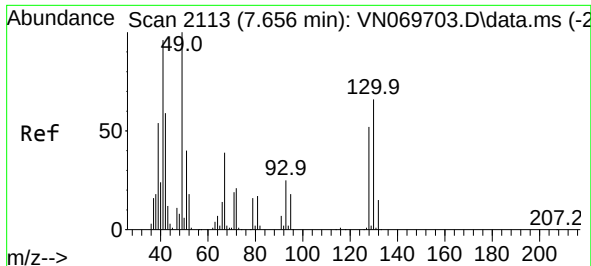
Tgt Ion: 43 Resp: 7288
Ion Ratio Lower Upper
43 100
58 27.7 23.1 34.7



#20
Methylene Chloride
Concen: 0.409 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. 0.000 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

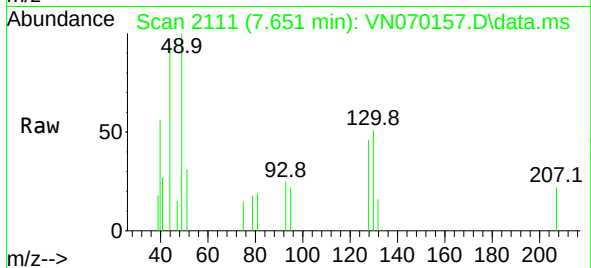
Tgt Ion: 84 Resp: 4997
Ion Ratio Lower Upper
84 100
49 149.8 93.5 140.3#
51 40.1 29.4 44.2
86 69.4 53.0 79.4



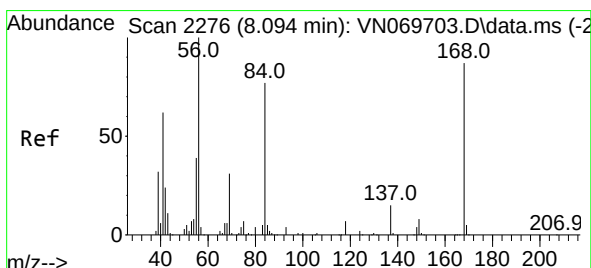
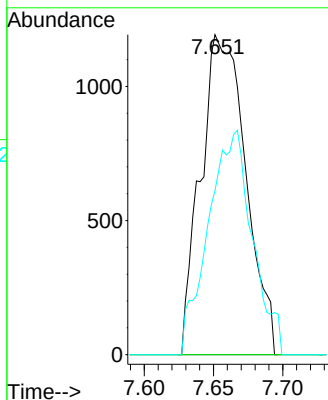
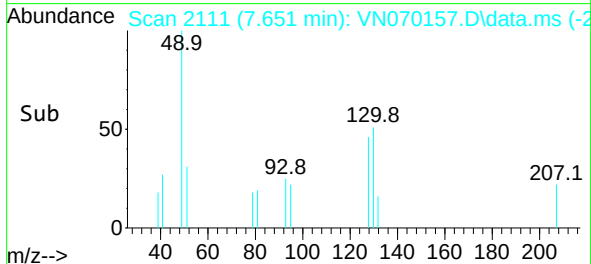


#28
Bromochloromethane
Concen: 0.242 ug/l
RT: 7.651 min Scan# 2111
Delta R.T. -0.005 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

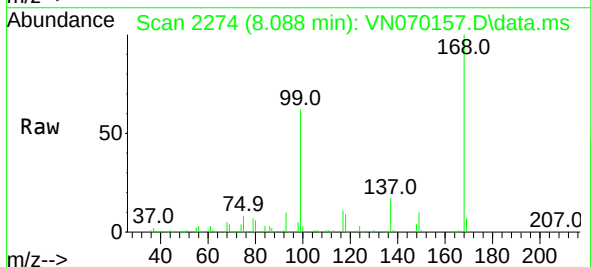
Instrument :
MSVOA_N
ClientSampleId :



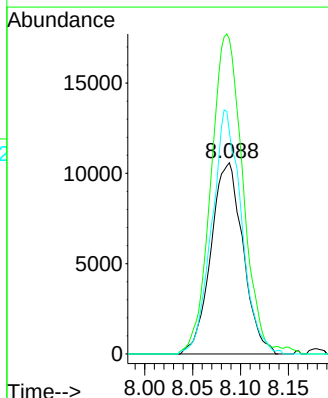
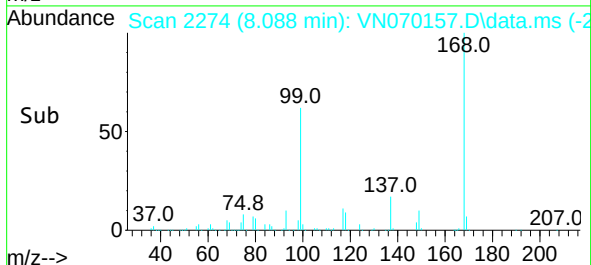
Tgt Ion: 49 Resp: 2699
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 68.6 67.8 101.8

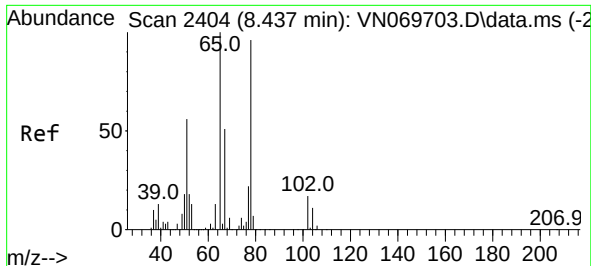


#31
Cyclohexane
Concen: 1.162 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.005 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01



Tgt Ion: 56 Resp: 24675
Ion Ratio Lower Upper
56 100
69 164.6 27.1 40.7#
84 115.9 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.403 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070157.D

Acq: 17 Dec 2021 12:01

Instrument :

MSVOA_N

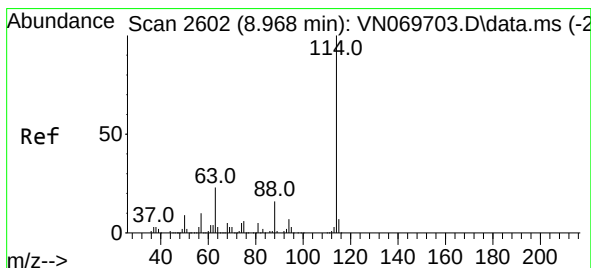
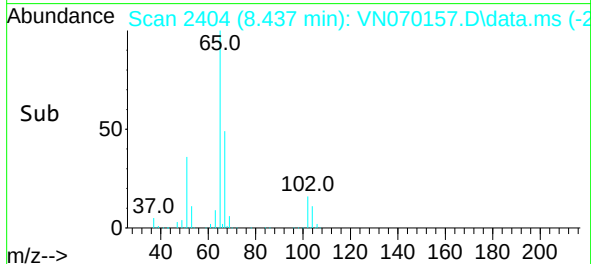
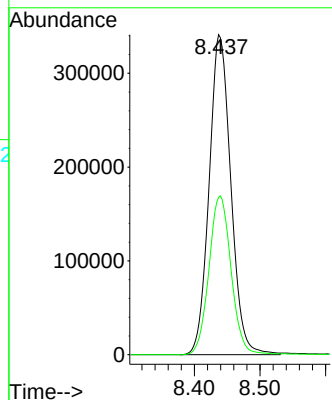
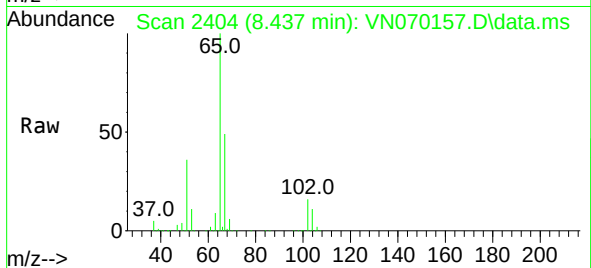
ClientSampleId :

Tgt Ion: 65 Resp: 784650

Ion Ratio Lower Upper

65 100

67 50.5 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: VN070157.D

Acq: 17 Dec 2021 12:01

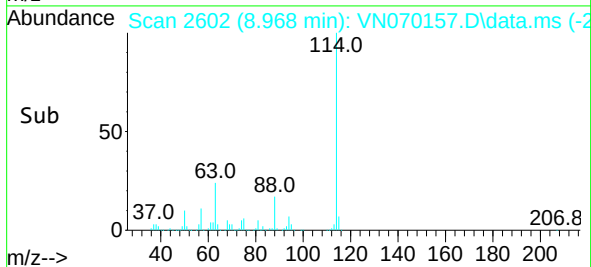
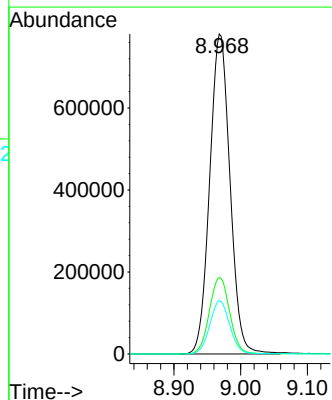
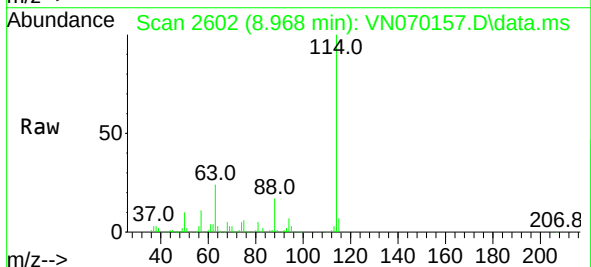
Tgt Ion: 114 Resp: 1646883

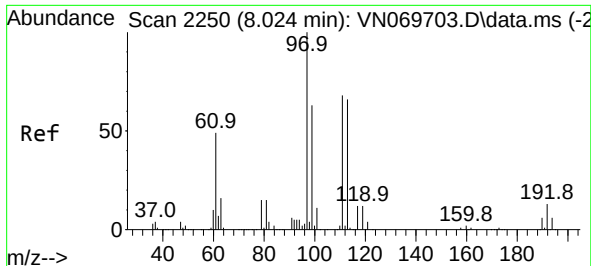
Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

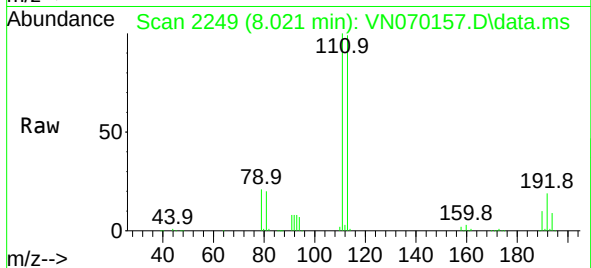
88 16.7 0.0 27.4



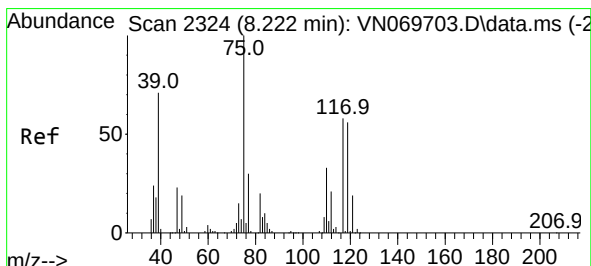
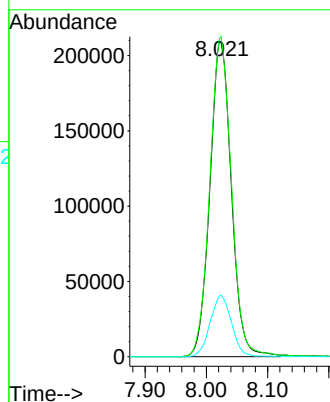
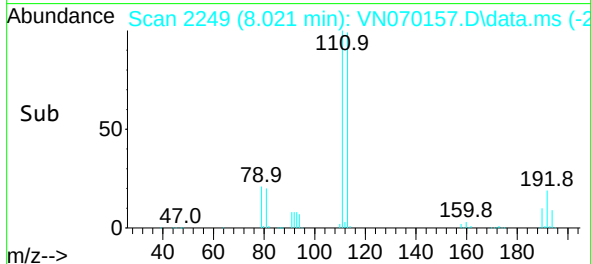


#35
 Dibromofluoromethane
 Concen: 49.435 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VN070157.D
 Acq: 17 Dec 2021 12:01

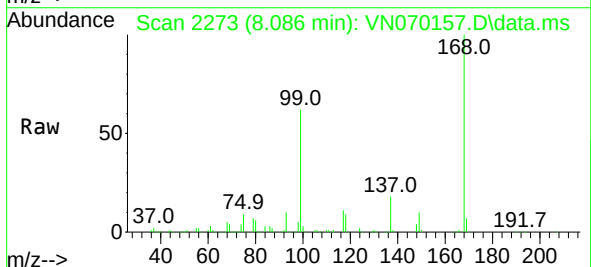
Instrument :
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 ClientSampleId :



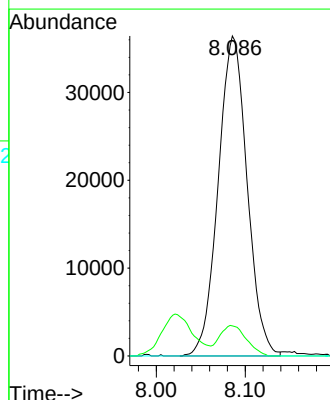
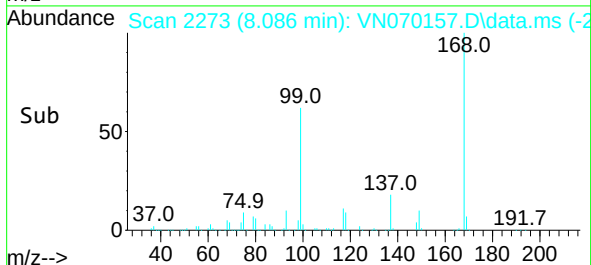
Tgt Ion:113 Resp: 509953
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.2
 192 19.3 16.9 25.3

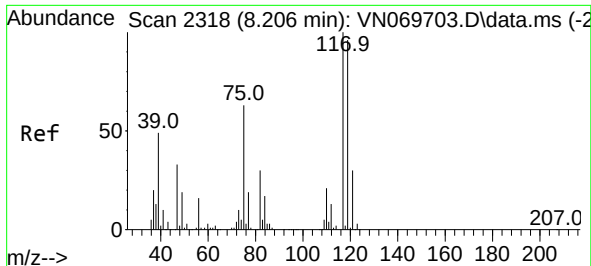


#36
 1,1-Dichloropropene
 Concen: 5.241 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN070157.D
 Acq: 17 Dec 2021 12:01



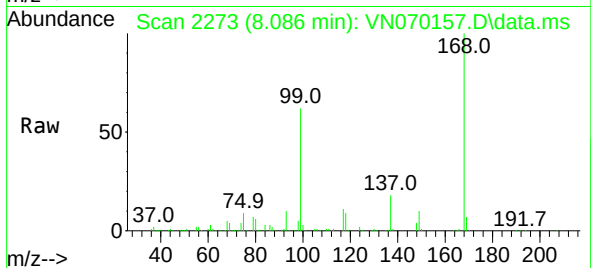
Tgt Ion: 75 Resp: 82170
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.2#
 77 0.0 24.4 36.6#



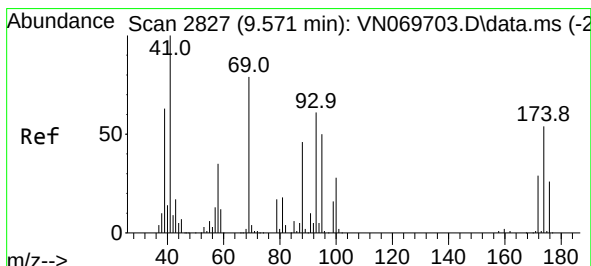
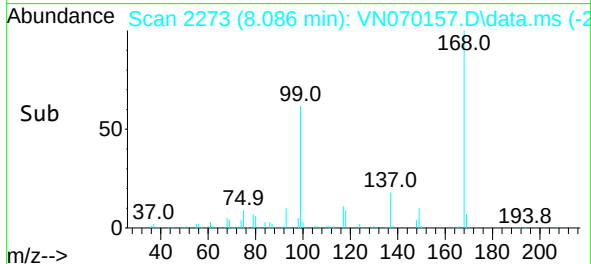
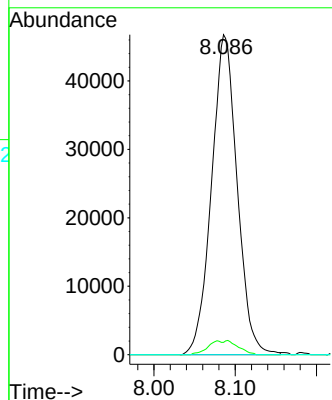


#38
Carbon Tetrachloride
Concen: 6.658 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :

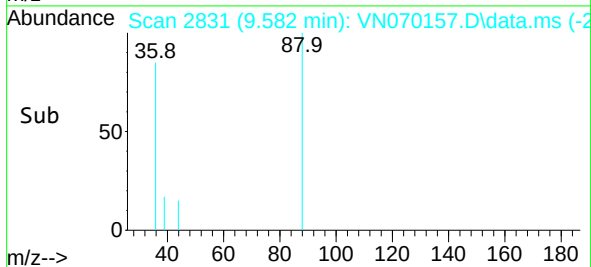
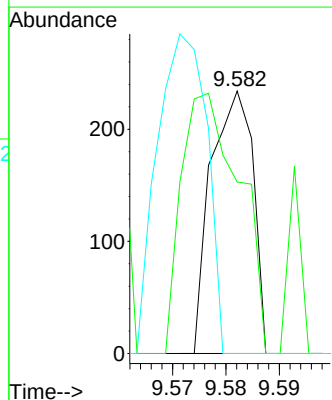
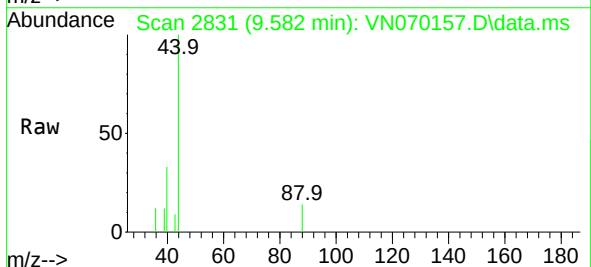


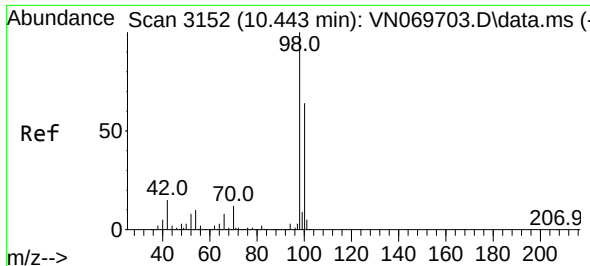
Tgt Ion:117 Resp: 102361
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.443 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.011 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 137.5 23.4 35.2#
58 143.8 50.6 75.8#

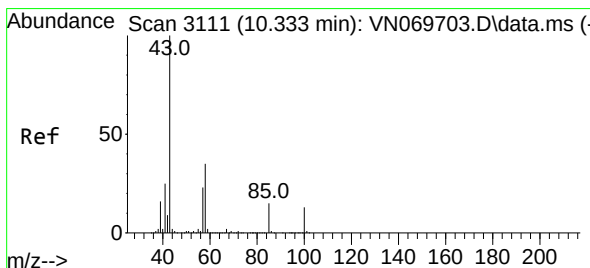
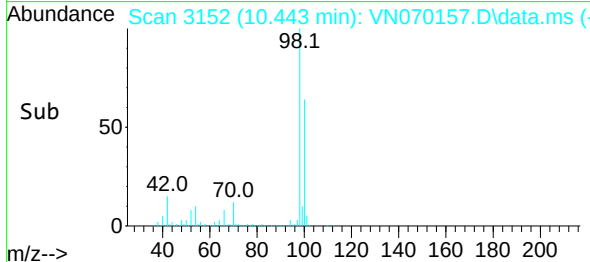
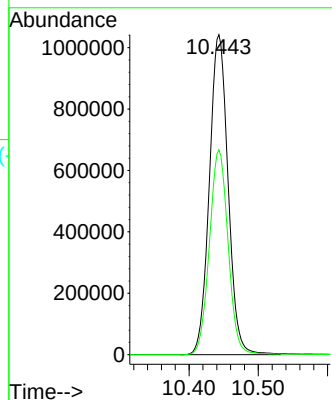
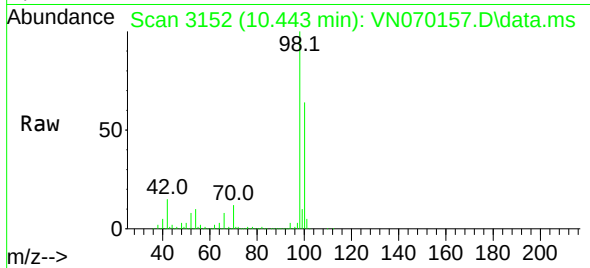




#50
Toluene-d8
Concen: 47.221 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

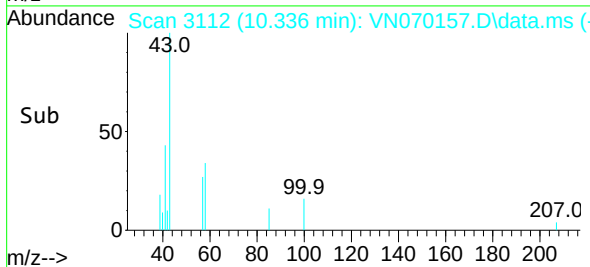
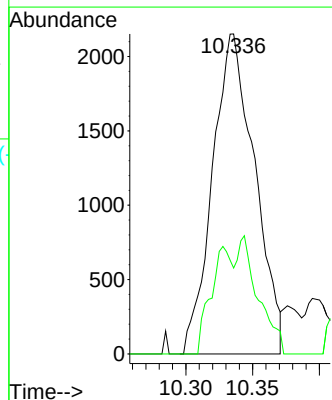
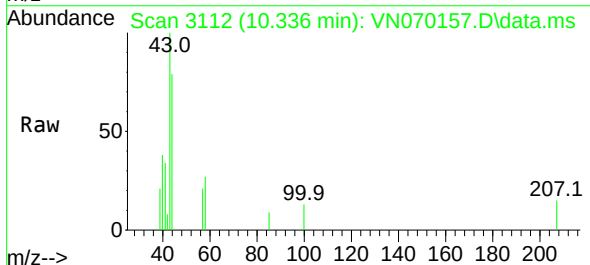
Instrument :
MSVOA_N
ClientSampleId :

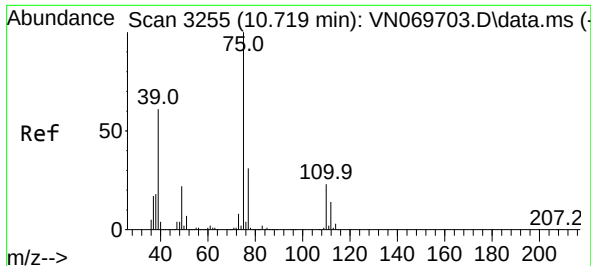
Tgt Ion: 98 Resp: 1955949
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.212 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

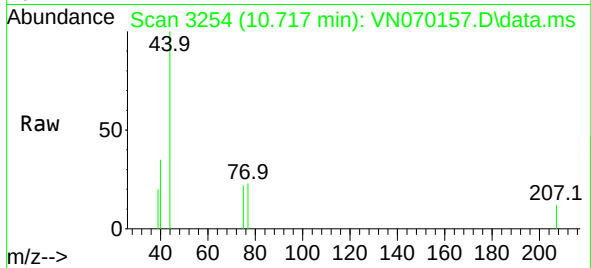
Tgt Ion: 43 Resp: 4739
Ion Ratio Lower Upper
43 100
58 18.6 30.4 45.6#



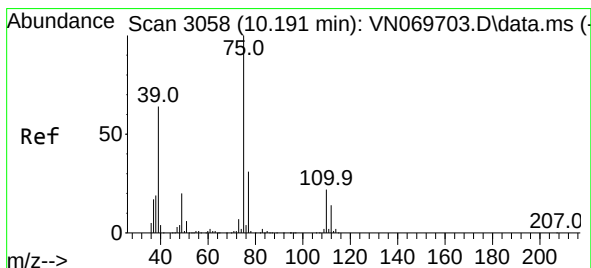
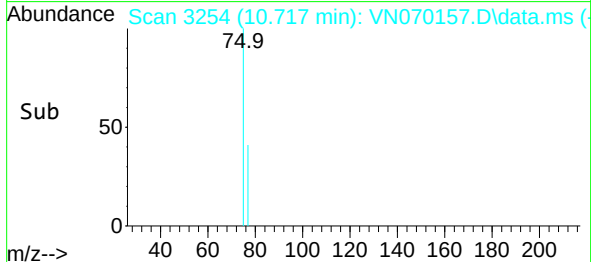
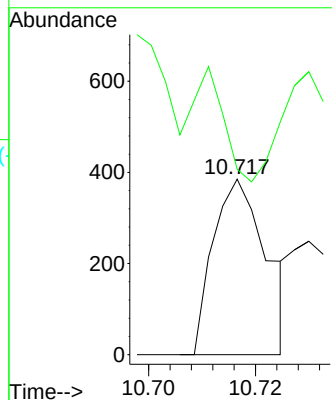


#53
t-1,3-Dichloropropene
Concen: 2.807 ug/l
RT: 10.717 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :

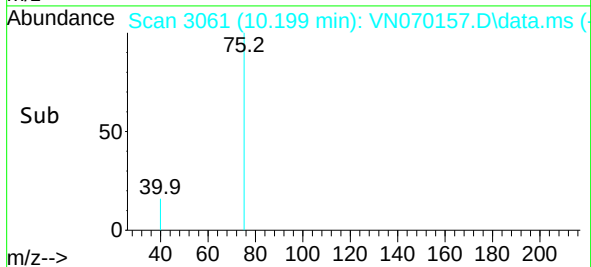
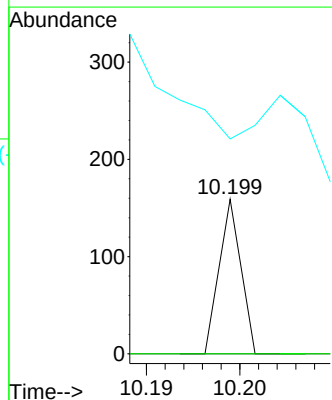
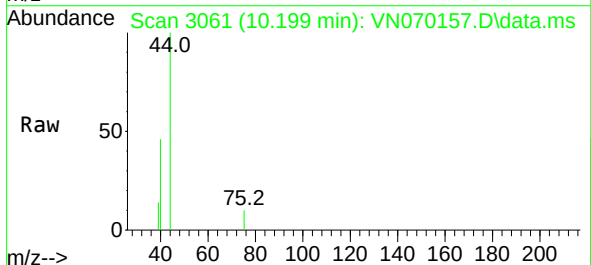


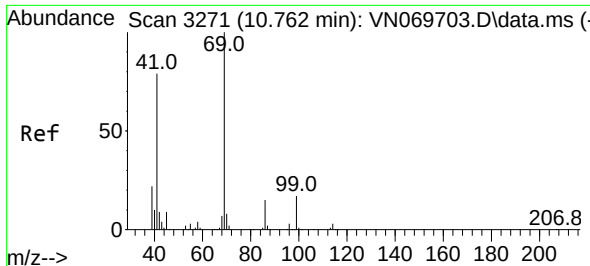
Tgt Ion: 75 Resp: 266
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.000 ug/l
RT: 10.199 min Scan# 3061
Delta R.T. 0.008 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

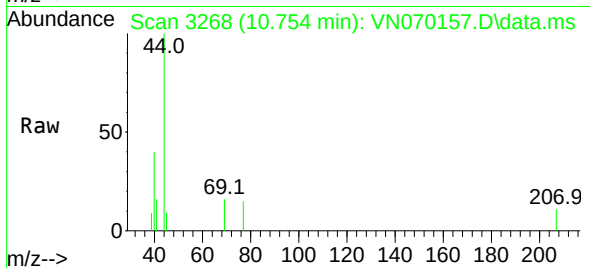
Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#



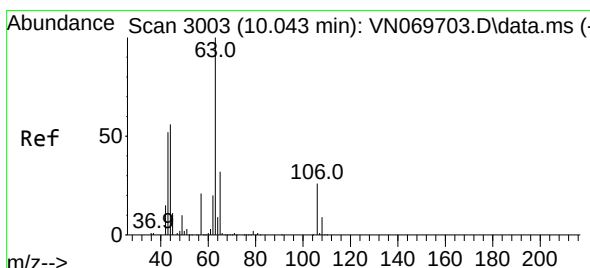
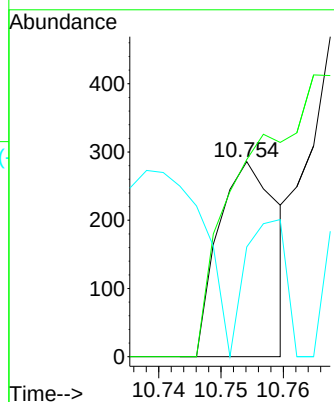
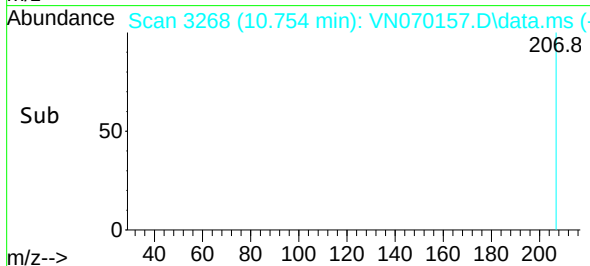


#56
Ethyl methacrylate
Concen: 2.287 ug/l
RT: 10.754 min Scan# 31
Delta R.T. -0.008 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :

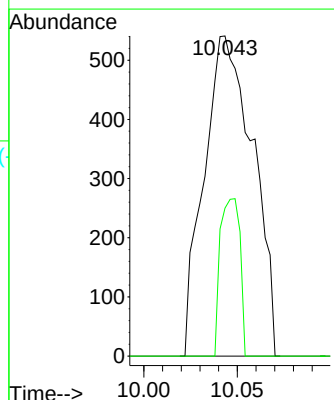
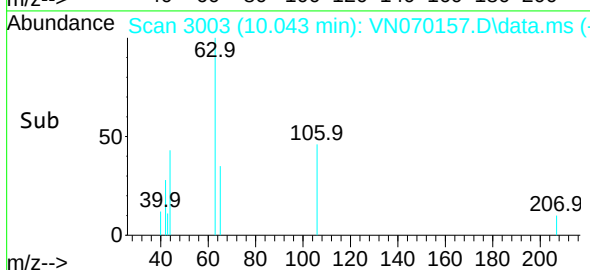
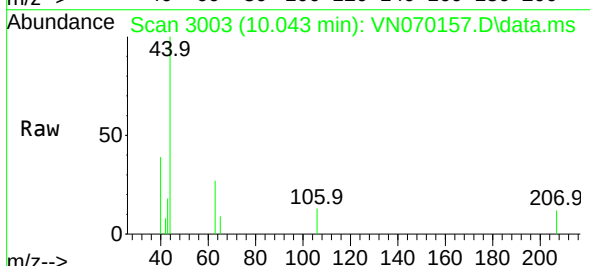


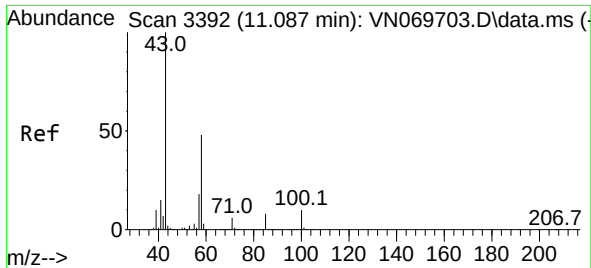
Tgt Ion: 69 Resp: 187
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 48.1 34.6 52.0



#58
2-Chloroethyl Vinyl ether
Concen: 18.540 ug/l
RT: 10.043 min Scan# 3003
Delta R.T. 0.000 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

Tgt Ion: 63 Resp: 982
Ion Ratio Lower Upper
63 100
106 19.8 23.9 35.9#

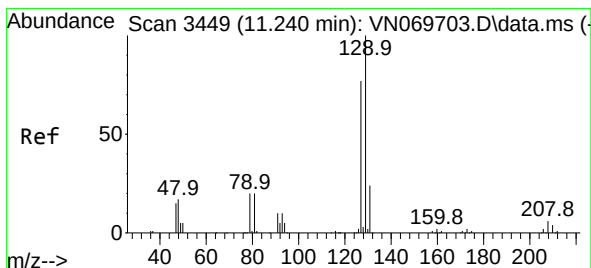
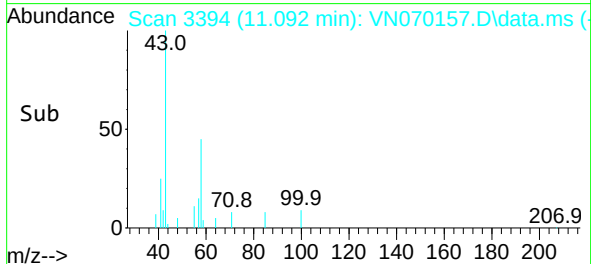
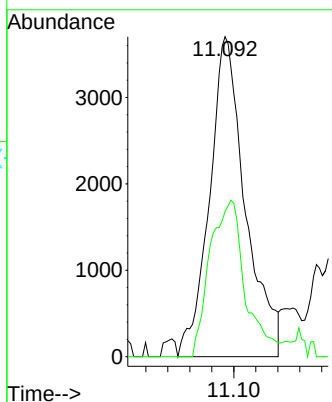
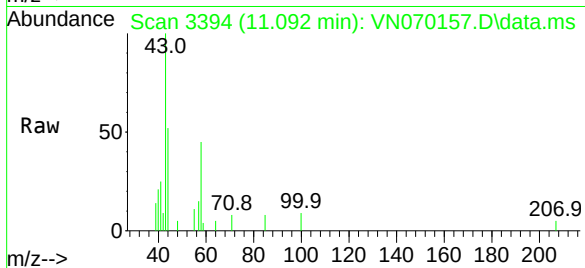




#59
2-Hexanone
Concen: 0.495 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

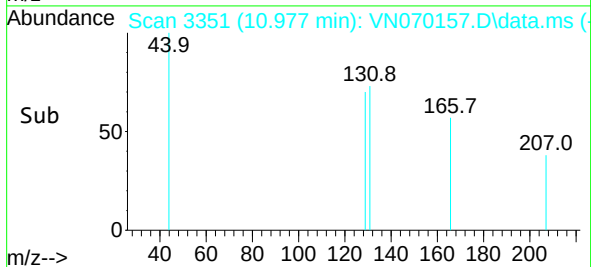
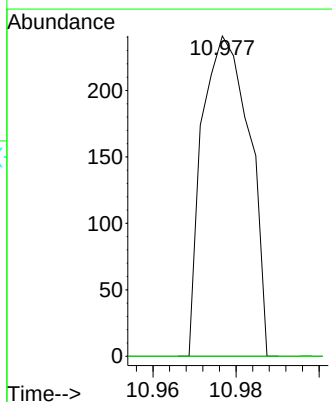
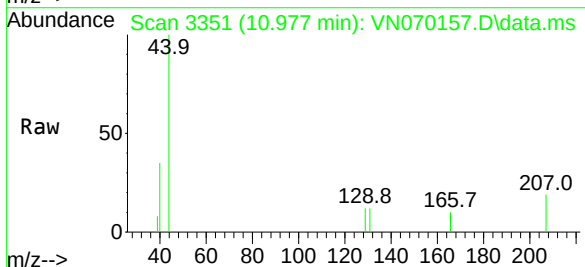
Instrument :
MSVOA_N
ClientSampleId :

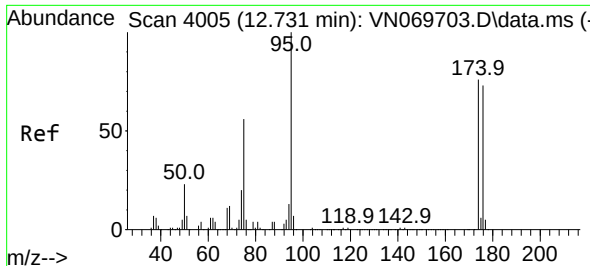
Tgt Ion: 43 Resp: 8385
Ion Ratio Lower Upper
43 100
58 48.3 26.9 80.7



#60
Dibromochloromethane
Concen: 2.391 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

Tgt Ion: 129 Resp: 190
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

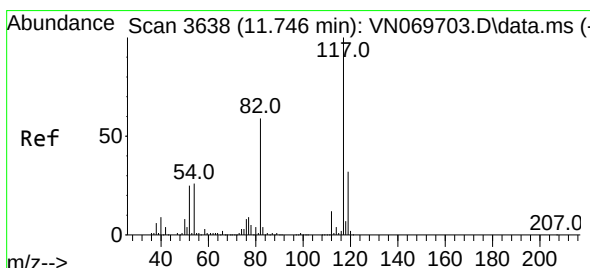
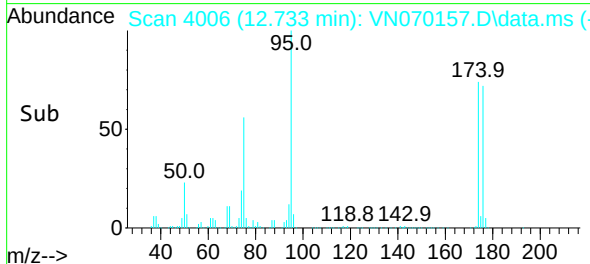
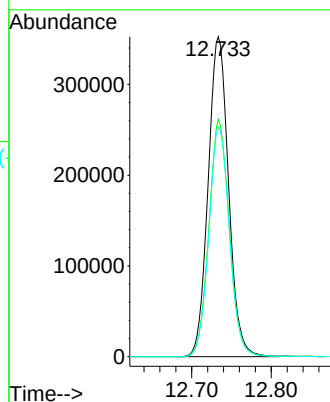
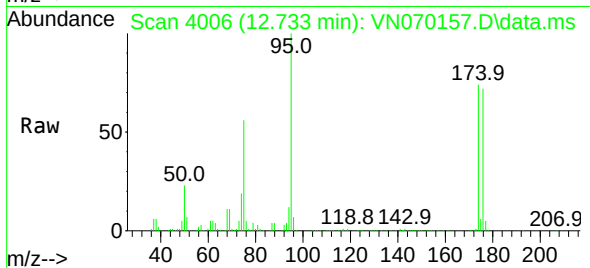




#62
4-Bromofluorobenzene
Concen: 41.883 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

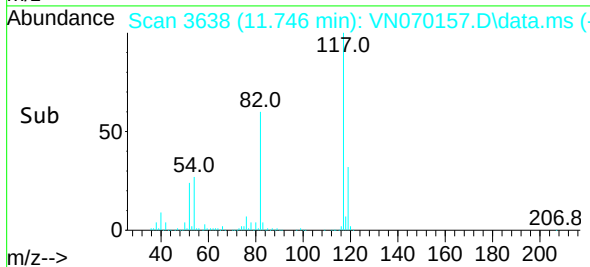
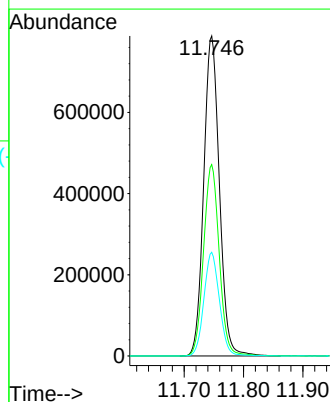
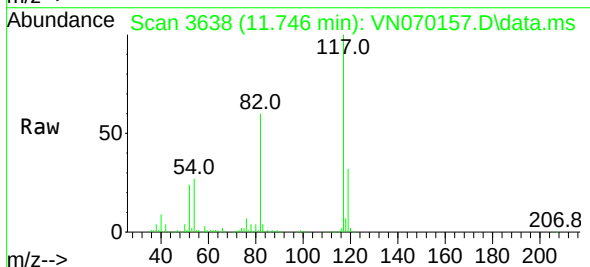
Instrument :
MSVOA_N
ClientSampleId :

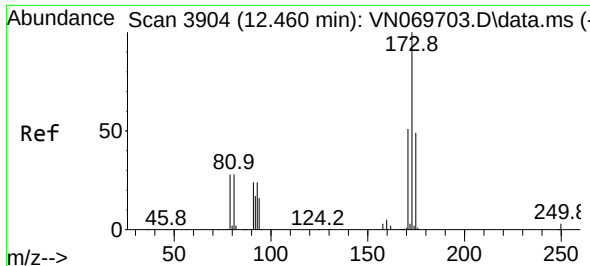
Tgt Ion: 95 Resp: 628501
Ion Ratio Lower Upper
95 100
174 74.5 0.0 187.2
176 72.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

Tgt Ion: 117 Resp: 1443054
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 32.4 25.4 38.2

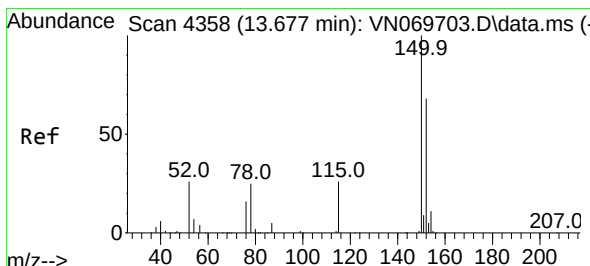
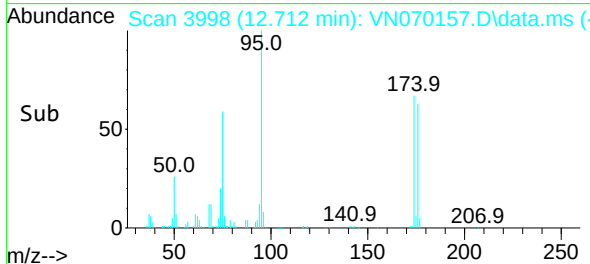
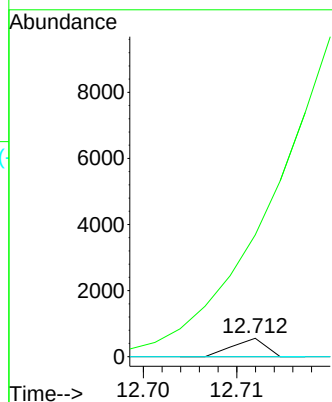
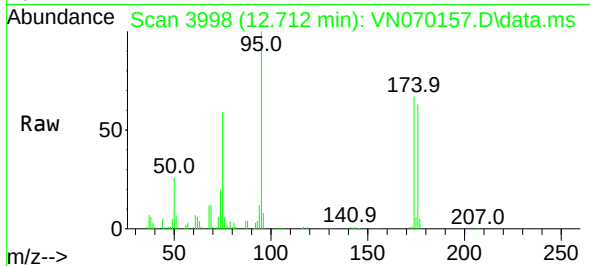




#71
Bromoform
Concen: 2.745 ug/l
RT: 12.712 min Scan# 3904
Delta R.T. 0.252 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

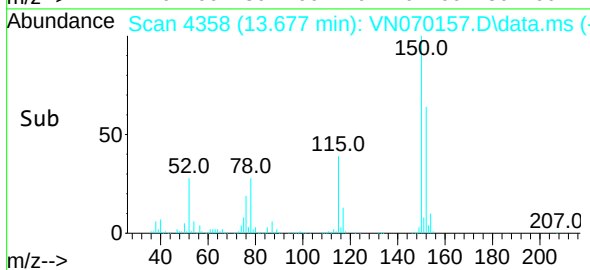
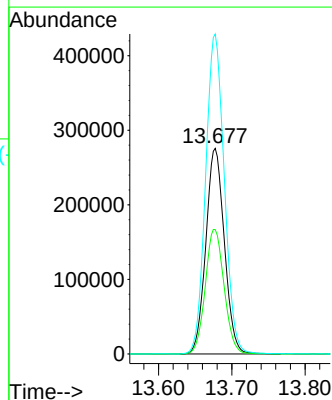
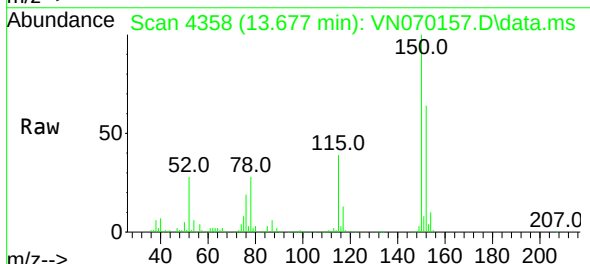
Instrument :
MSVOA_N
ClientSampleId :

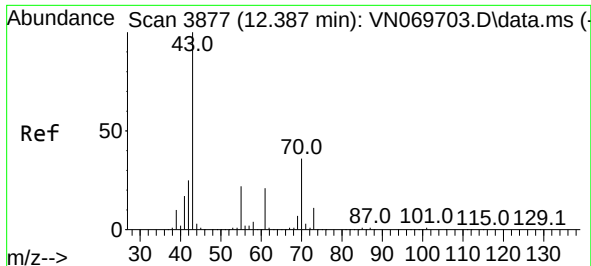
Tgt Ion:173 Resp: 136
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

Tgt Ion:152 Resp: 484257
Ion Ratio Lower Upper
152 100
115 61.5 27.5 82.5
150 156.8 0.0 344.4

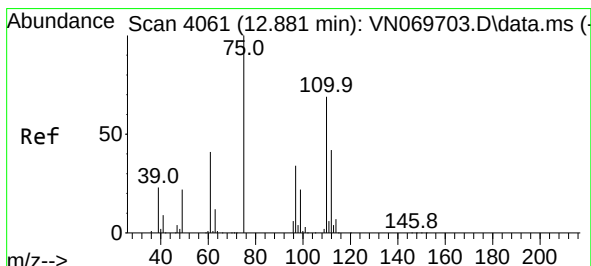
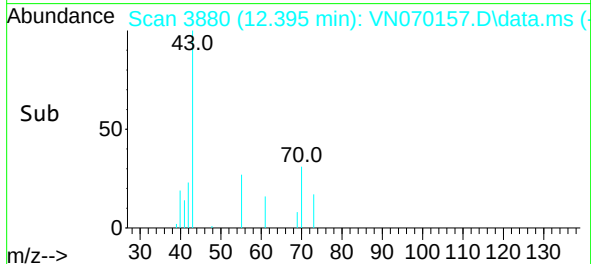
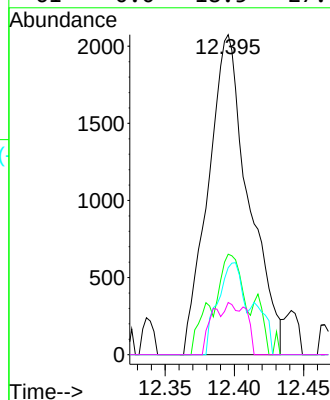
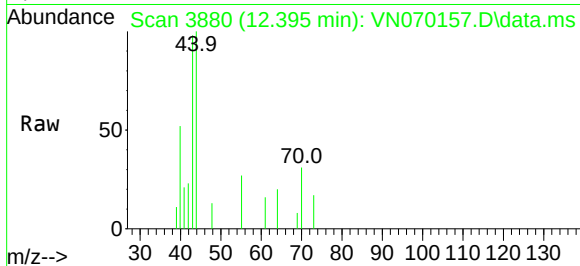




#74
N-amy1 acetate
Concen: 0.221 ug/l
RT: 12.395 min Scan# 3877
Delta R.T. 0.008 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

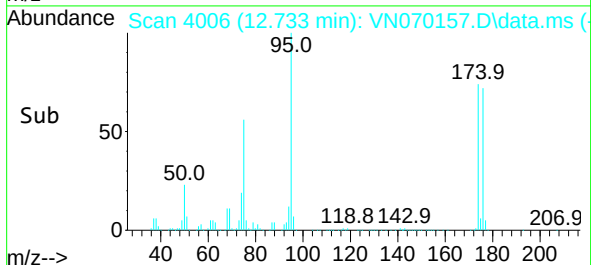
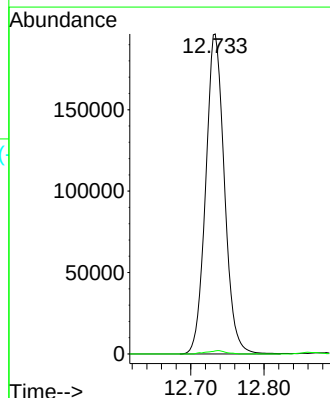
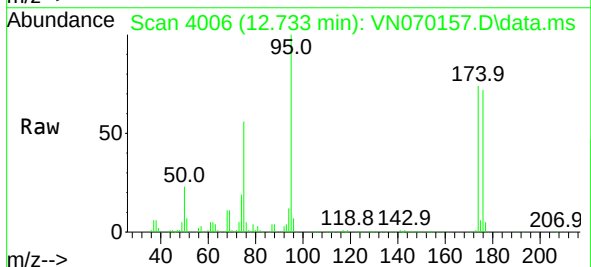
Instrument :
MSVOA_N
ClientSampleId :

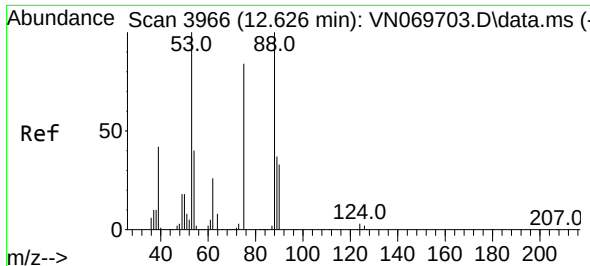
Tgt Ion: 43	Resp: 4204
Ion Ratio	Lower Upper
43 100	
70 18.4	33.4 50.0#
55 17.8	19.3 28.9#
61 0.0	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 25.072 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

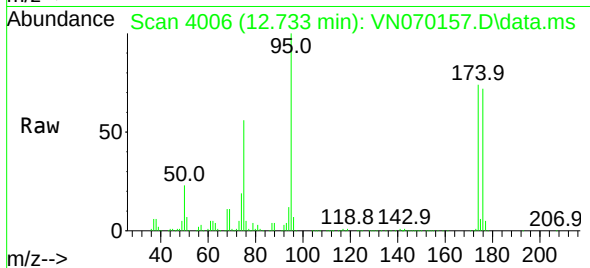
Tgt Ion: 75	Resp: 348188
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#



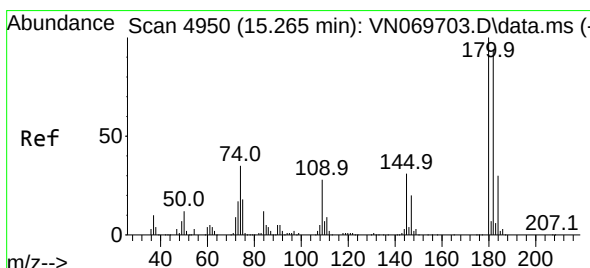
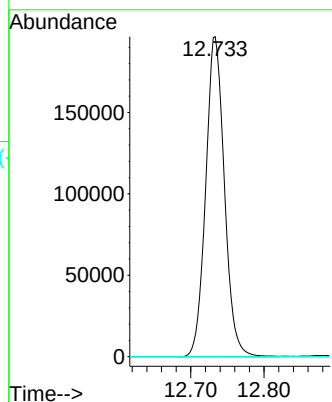
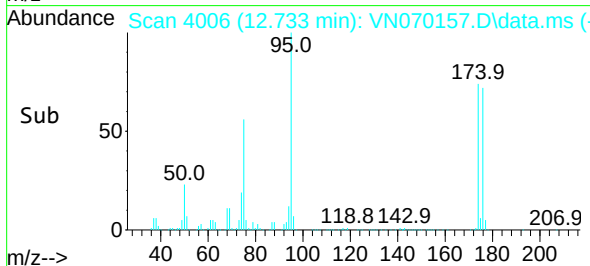


#81
trans-1,4-Dichloro-2-butene
Concen: 79.455 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01

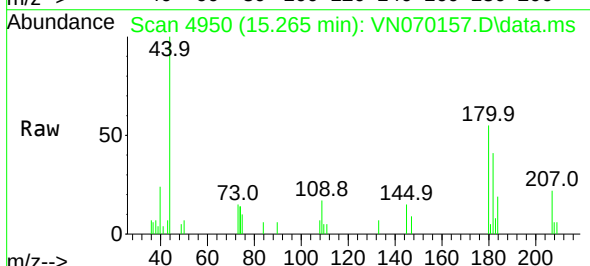
Instrument :
MSVOA_N
ClientSampleId :



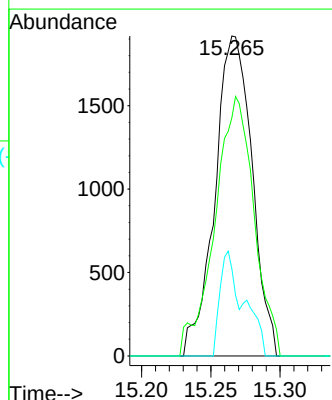
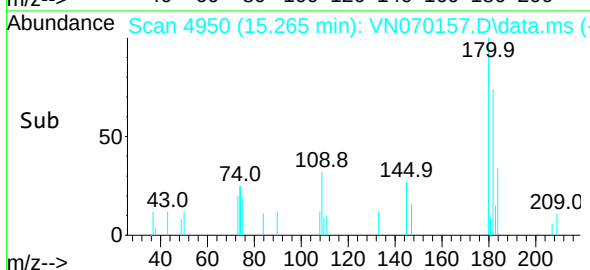
Tgt Ion: 75 Resp: 348188
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

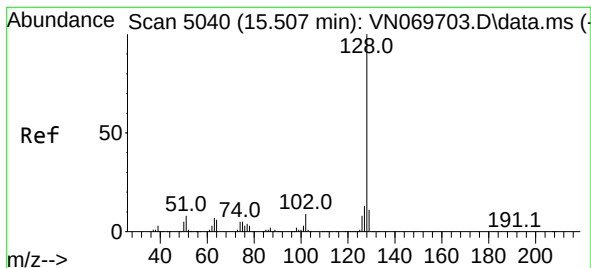


#93
1,2,4-Trichlorobenzene
Concen: 3.303 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070157.D
Acq: 17 Dec 2021 12:01



Tgt Ion: 180 Resp: 3580
Ion Ratio Lower Upper
180 100
182 85.3 48.3 144.9
145 20.7 14.5 43.5





#95

Naphthalene

Concen: 4.603 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN070157.D

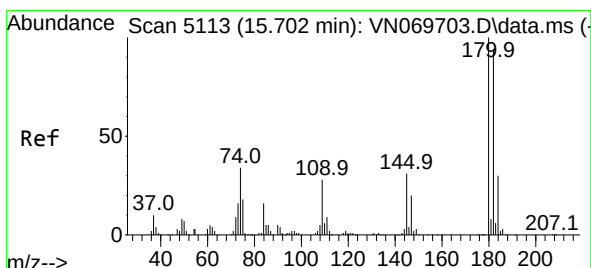
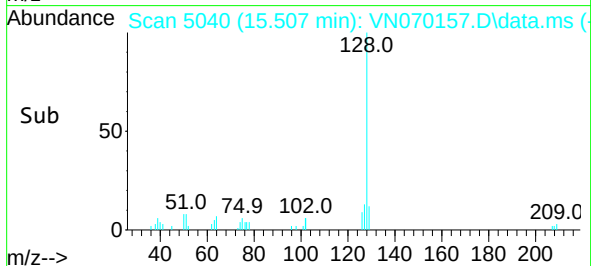
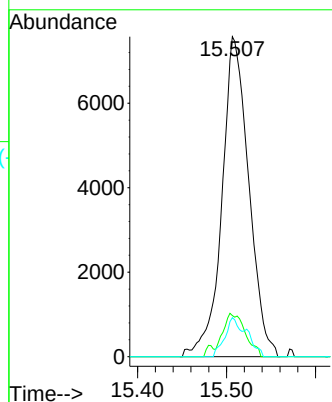
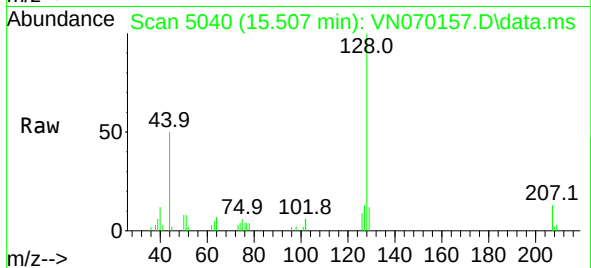
Acq: 17 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	15890
Ion Ratio	Lower	Upper	
128	100		
127	11.2	10.5	15.7
129	6.8	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.942 ug/l

RT: 15.702 min Scan# 5113

Delta R.T. 0.000 min

Lab File: VN070157.D

Acq: 17 Dec 2021 12:01

Tgt Ion:	180	Resp:	4123
Ion Ratio	Lower	Upper	
180	100		
182	92.4	47.4	142.2
145	9.8	15.0	45.1#

