

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072009.D
 Acq On : 15 Apr 2022 18:26
 Operator : JC\MD
 Sample : N2441-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20220413

Quant Time: Apr 15 23:29:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

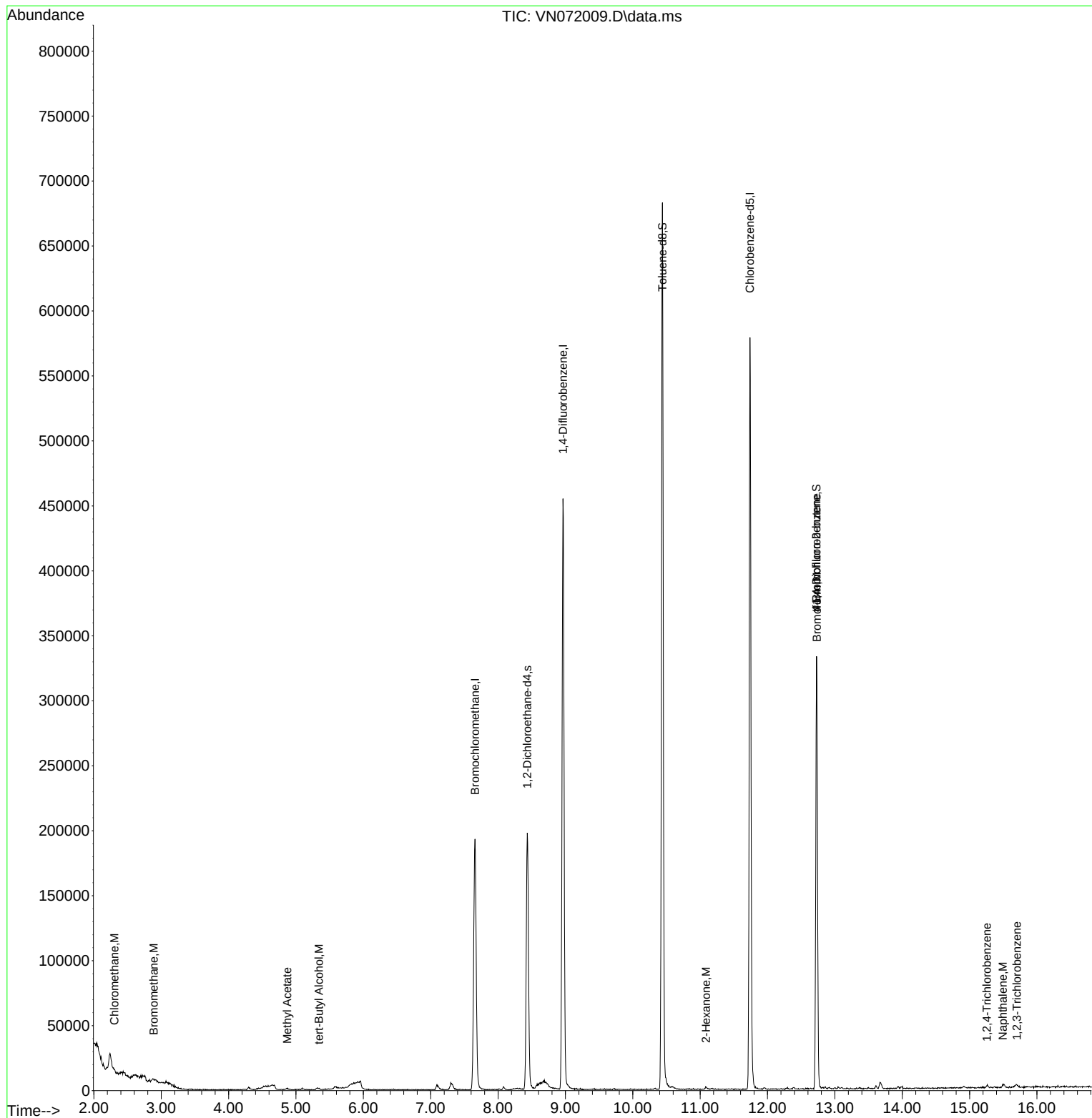
Internal Standards						
1) Bromochloromethane	7.657	128	81805	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	430082	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	365333	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	162444	28.184	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.933%
60) 4-Bromofluorobenzene	12.727	95	122342	22.585	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	75.267%
63) Toluene-d8	10.439	98	503196	30.342	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.133%
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	1247	0.208	ug/l	88
5) Bromomethane	2.887	94	1834	0.452	ug/l #	80
12) Methyl Acetate	4.869	43	1810	0.271	ug/l	96
23) tert-Butyl Alcohol	5.340	59	379	0.351	ug/l #	100
56) Bromoform	12.733	173	894	0.205	ug/l #	1
59) 2-Hexanone	11.086	43	1371	0.271	ug/l #	89
77) t-1,4-Dichloro-2-butene	12.727	75	56453	24.612	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.257	180	1294	0.310	ug/l #	36
91) Naphthalene	15.492	128	1733	6.984	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.704	180	1241	0.304	ug/l	66

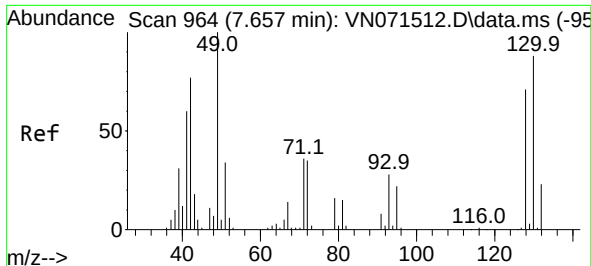
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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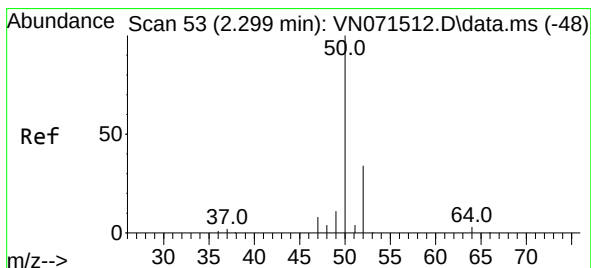
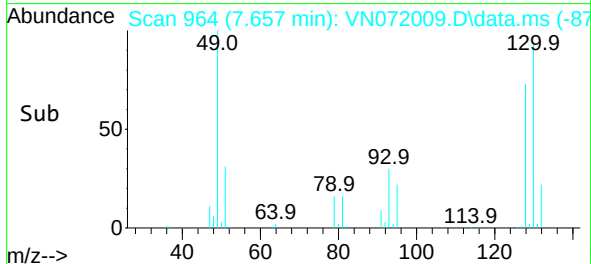
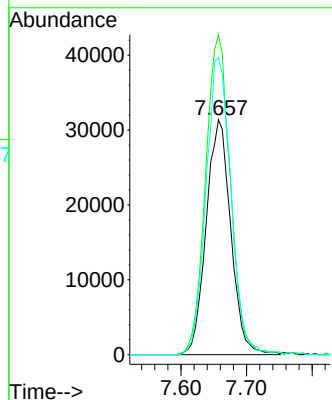
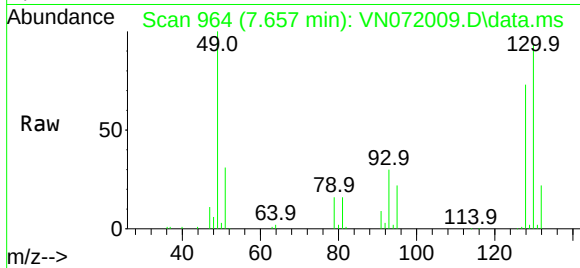




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

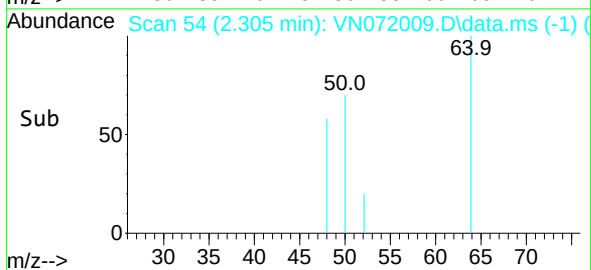
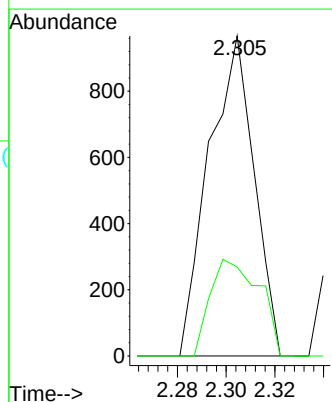
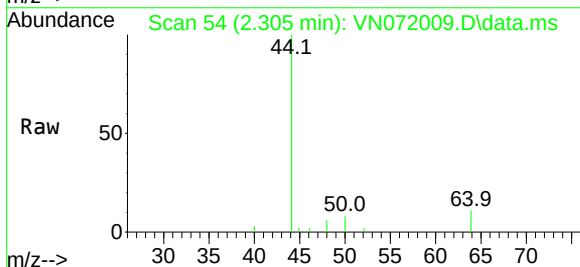
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220413

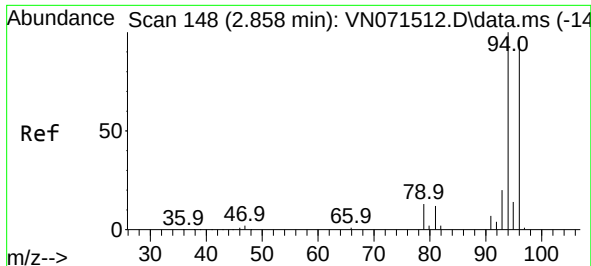
Tgt Ion:128 Resp: 81805
Ion Ratio Lower Upper
128 100
49 136.2 0.0 392.3
130 127.9 0.0 320.2



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

Tgt Ion: 50 Resp: 1247
Ion Ratio Lower Upper
50 100
52 27.8 27.8 41.6

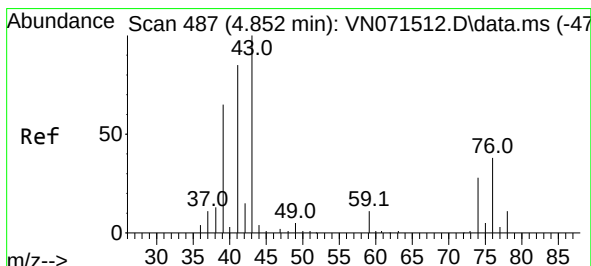
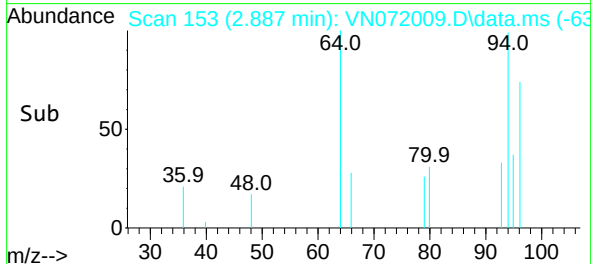
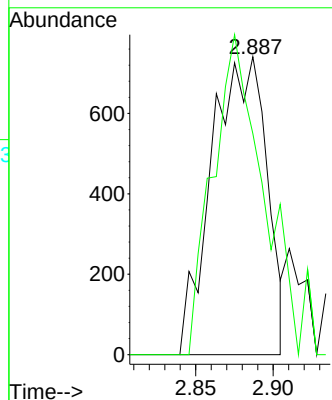
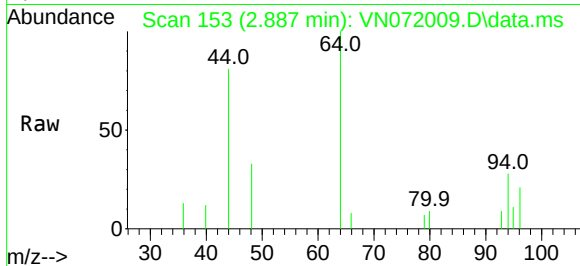




#5
Bromomethane
Concen: 0.452 ug/l
RT: 2.887 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

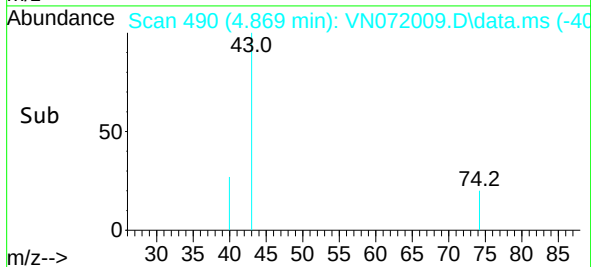
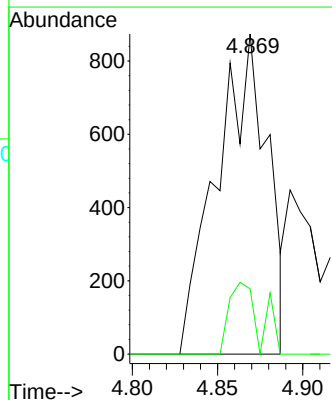
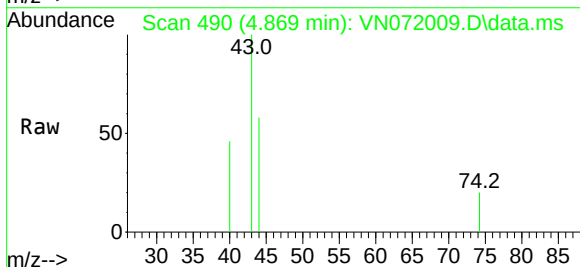
Instrument :
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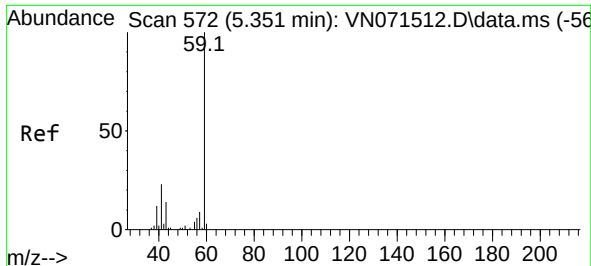
Tgt Ion: 94 Resp: 1834
Ion Ratio Lower Upper
94 100
96 74.2 75.2 112.8#



#12
Methyl Acetate
Concen: 0.271 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

Tgt Ion: 43 Resp: 1810
Ion Ratio Lower Upper
43 100
74 24.2 20.8 31.2

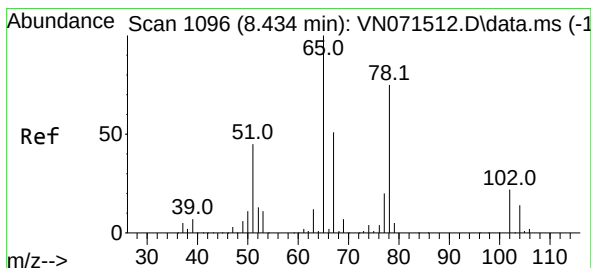
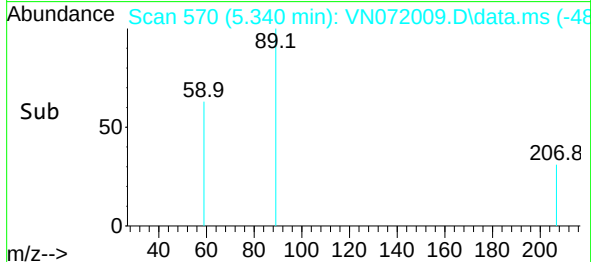
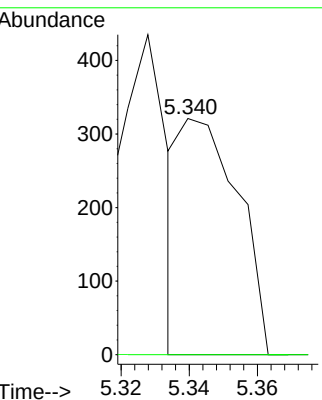
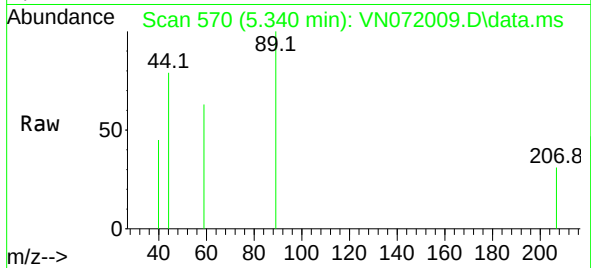




#23
tert-Butyl Alcohol
Concen: 0.351 ug/l
RT: 5.340 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

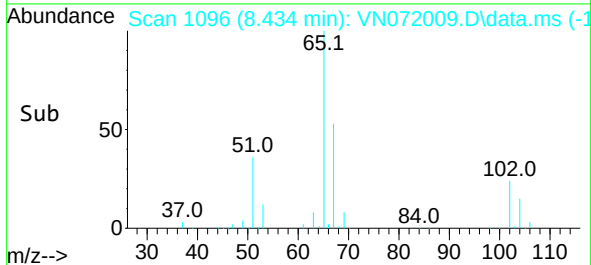
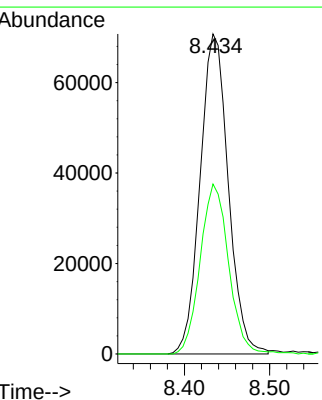
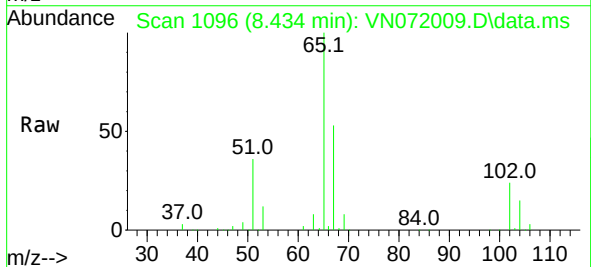
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220413

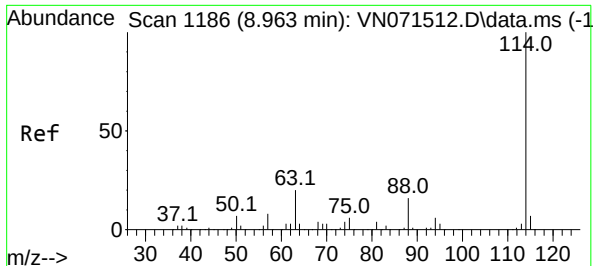
Tgt Ion: 59 Resp: 379
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 28.184 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

Tgt Ion: 65 Resp: 162444
Ion Ratio Lower Upper
65 100
67 53.6 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072009.D

Acq: 15 Apr 2022 18:26

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20220413

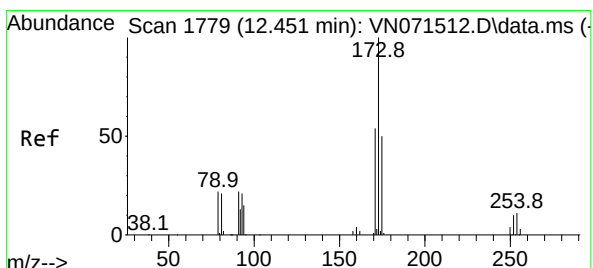
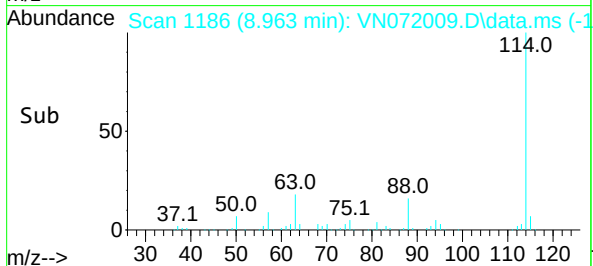
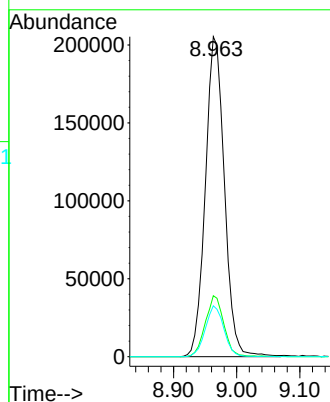
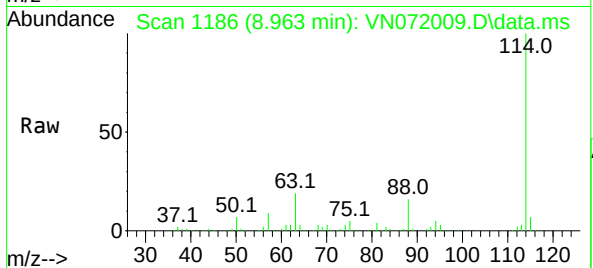
Tgt Ion:114 Resp: 430082

Ion Ratio Lower Upper

114 100

63 18.4 15.8 23.6

88 15.5 11.6 17.4



#56

Bromoform

Concen: 0.205 ug/l

RT: 12.733 min Scan# 1827

Delta R.T. 0.282 min

Lab File: VN072009.D

Acq: 15 Apr 2022 18:26

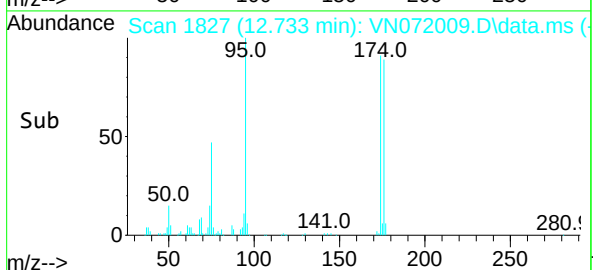
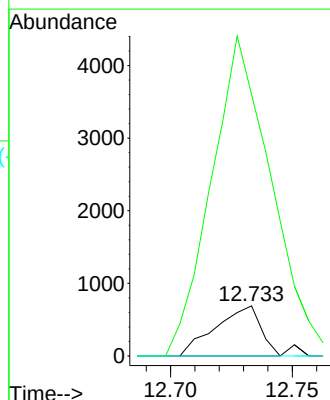
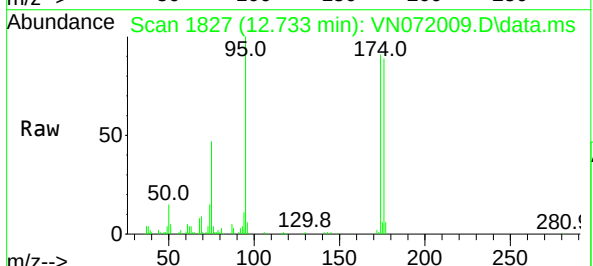
Tgt Ion:173 Resp: 894

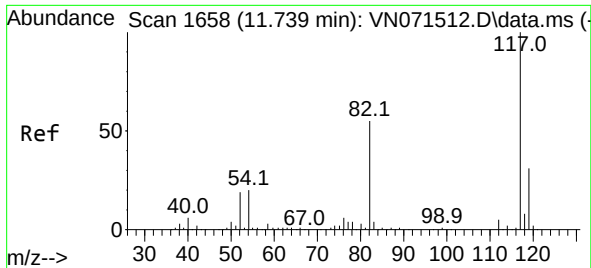
Ion Ratio Lower Upper

173 100

175 843.1 38.6 58.0#

254 0.0 0.0 0.0

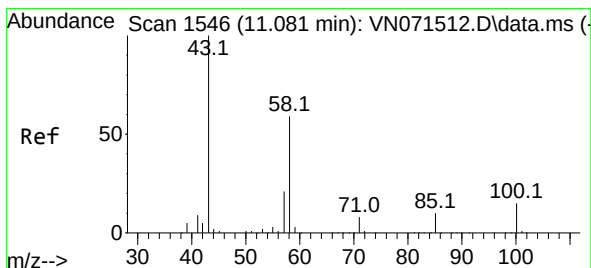
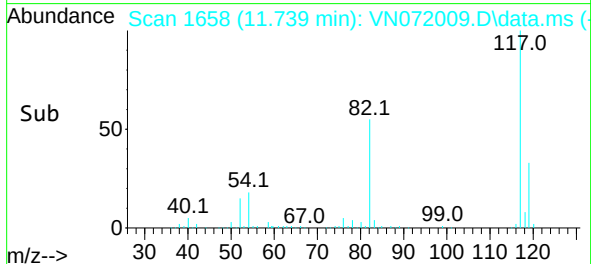
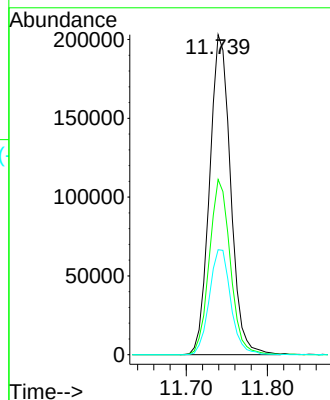
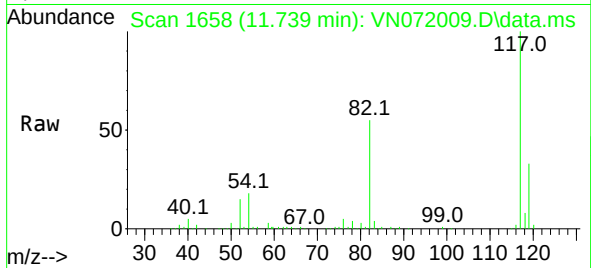




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

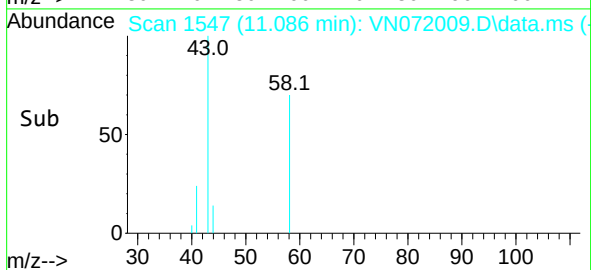
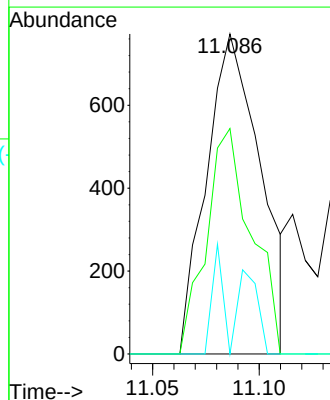
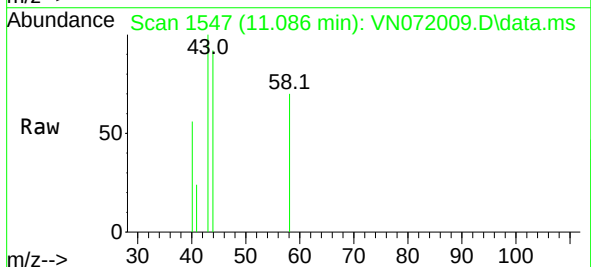
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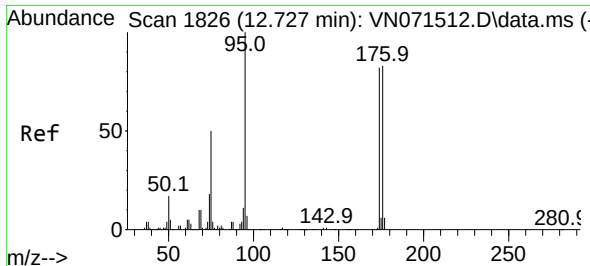
Tgt Ion:117 Resp: 365333
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 33.4 25.8 38.6



#59
2-Hexanone
Concen: 0.271 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

Tgt Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
58 58.4 42.2 63.2
57 9.6 15.0 22.4#

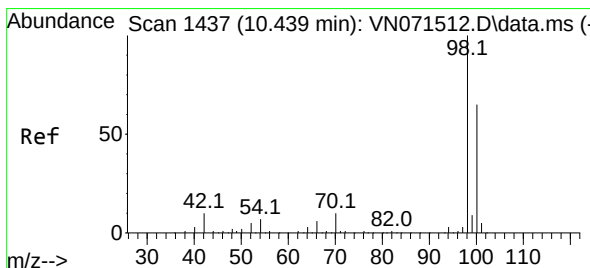
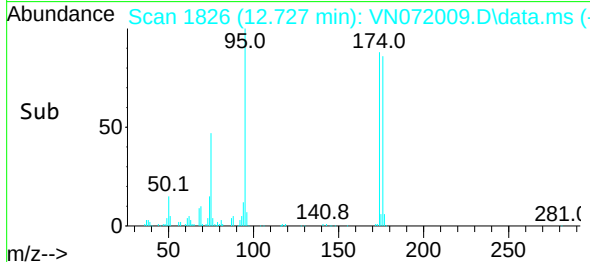
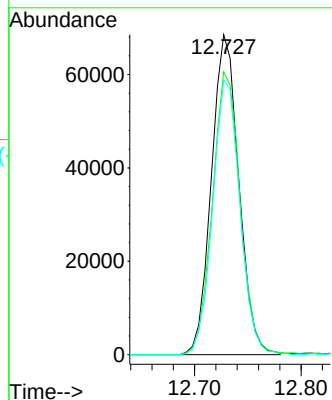
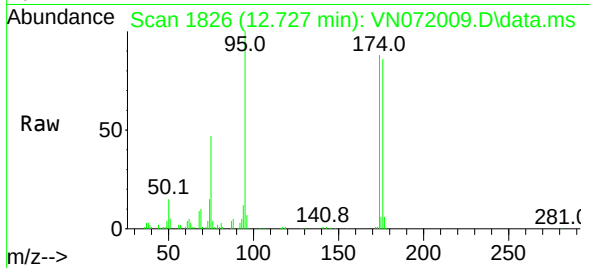




#60
4-Bromofluorobenzene
Concen: 22.585 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

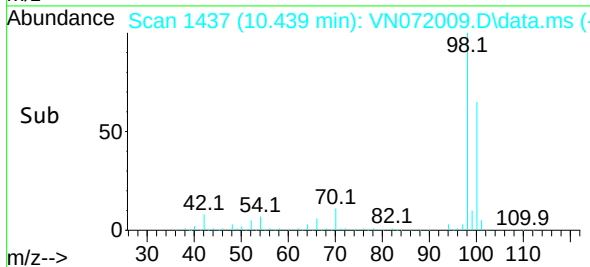
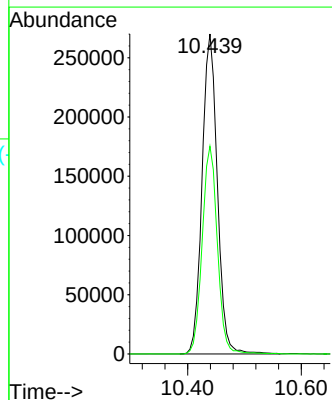
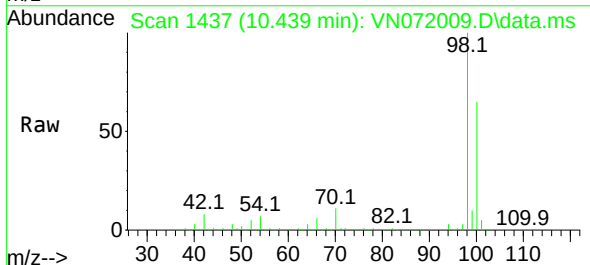
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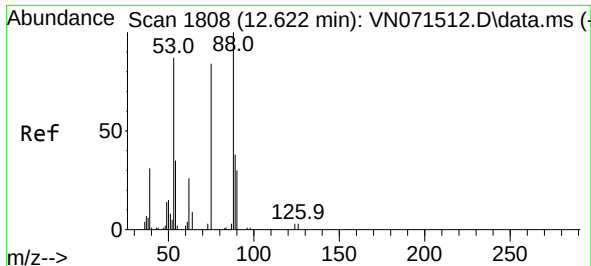
Tgt Ion: 95 Resp: 122342
Ion Ratio Lower Upper
95 100
174 89.9 62.9 94.3
176 85.4 61.0 91.4



#63
Toluene-d8
Concen: 30.342 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

Tgt Ion: 98 Resp: 503196
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0

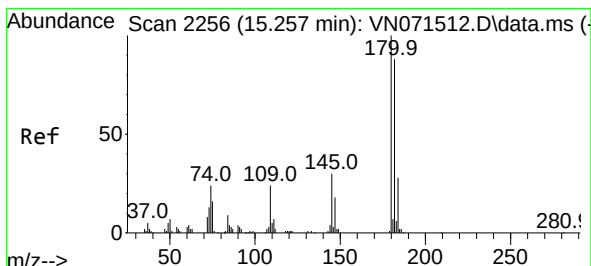
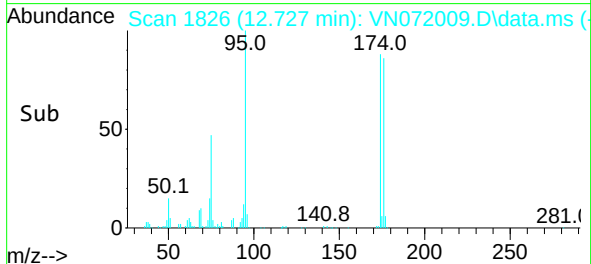
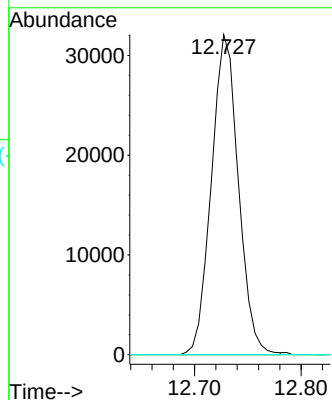
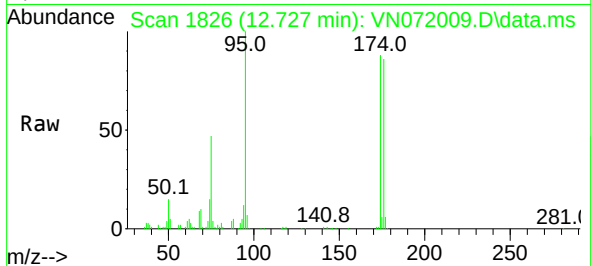




#77
t-1,4-Dichloro-2-butene
Concen: 24.612 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

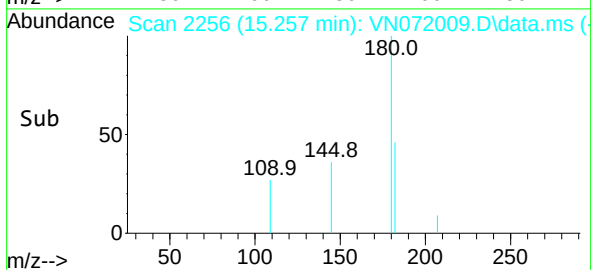
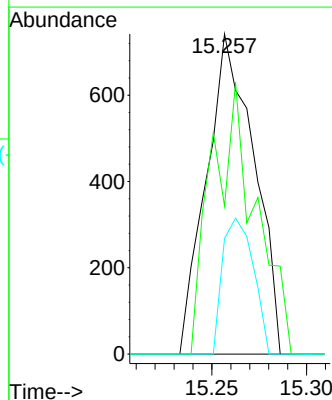
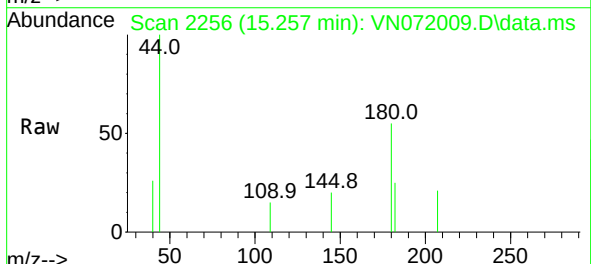
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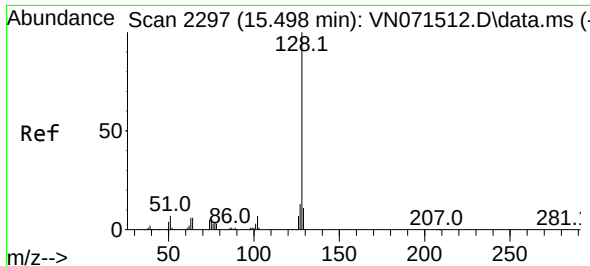
Tgt Ion: 75 Resp: 56453
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.310 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

Tgt Ion:180 Resp: 1294
Ion Ratio Lower Upper
180 100
182 32.2 77.7 116.5#
145 0.0 26.6 39.8#

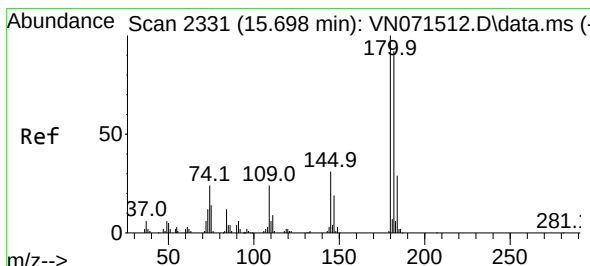
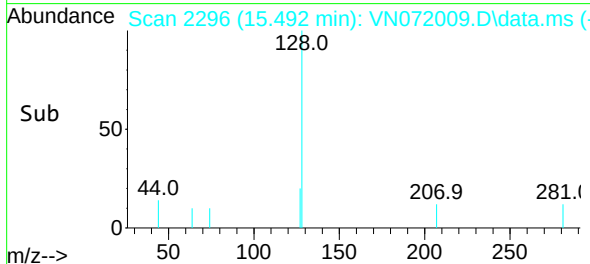
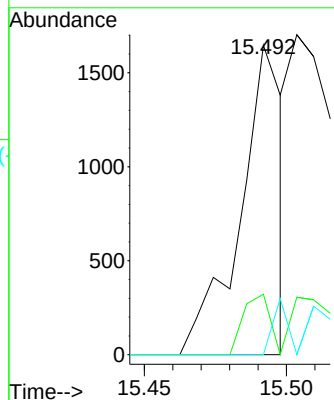
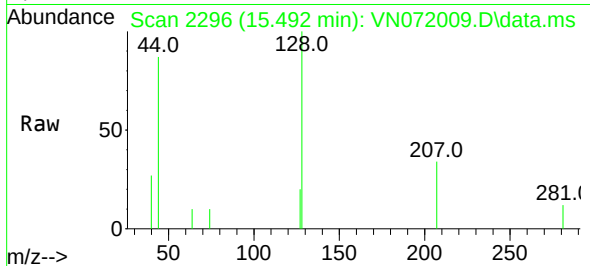




#91
Naphthalene
Concen: 6.984 ug/l
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220413

Tgt Ion:128 Resp: 1733
Ion Ratio Lower Upper
128 100
127 12.1 10.7 16.1
129 6.1 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.304 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.006 min
Lab File: VN072009.D
Acq: 15 Apr 2022 18:26

Tgt Ion:180 Resp: 1241
Ion Ratio Lower Upper
180 100
182 55.8 0.0 190.0
145 25.0 0.0 67.8

