

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
 Data File : VN071351.D
 Acq On : 17 Mar 2022 14:43
 Operator : JC\MD
 Sample : N1978-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20220315

Quant Time: Mar 30 09:25:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:37:08 2022
 Response via : Initial Calibration

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

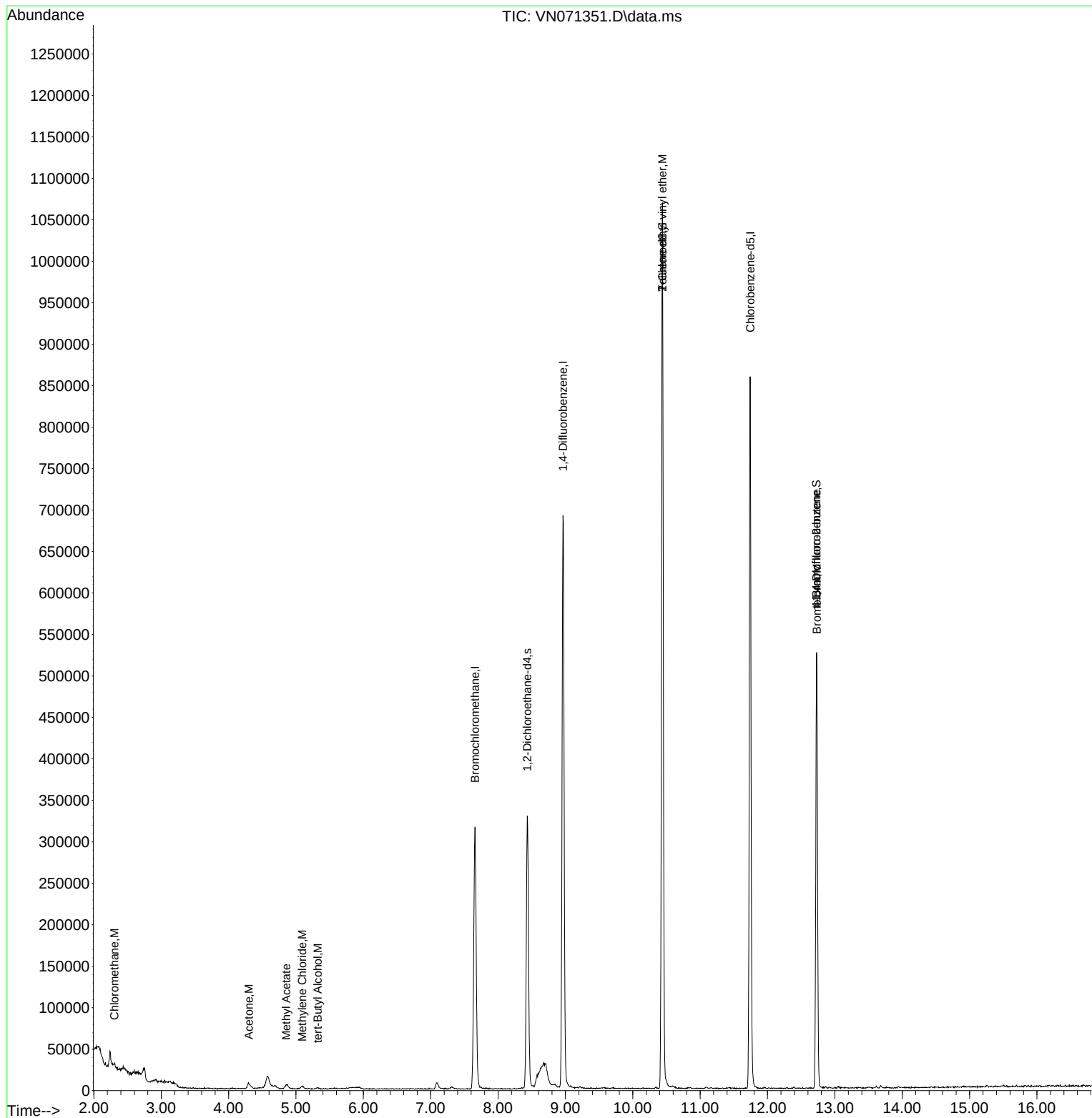
Internal Standards						
1) Bromochloromethane	7.657	128	113124	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	611785	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	508927	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	270469	30.114	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.367%
60) 4-Bromofluorobenzene	12.727	95	189448	24.095	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.333%
63) Toluene-d8	10.439	98	730408	31.199	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.000%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	3351	0.343	ug/l	92
12) Methyl Acetate	4.857	43	5732	0.463	ug/l #	53
15) Acetone	4.298	58	2390	1.762	ug/l	93
18) Methylene Chloride	5.092	84	1858	0.236	ug/l #	85
23) tert-Butyl Alcohol	5.322	59	957	0.501	ug/l #	100
55) 2-Chloroethyl vinyl ether	10.439	63	790	0.203	ug/l #	1
56) Bromoform	12.733	173	1669	0.279	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	98320	30.696	ug/l #	8

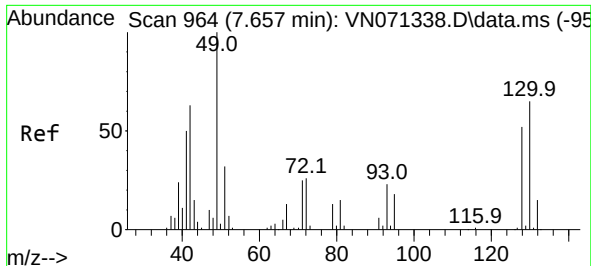
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TT-TB-20220315

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 17 06:37:08 2022
Response via : Initial Calibration

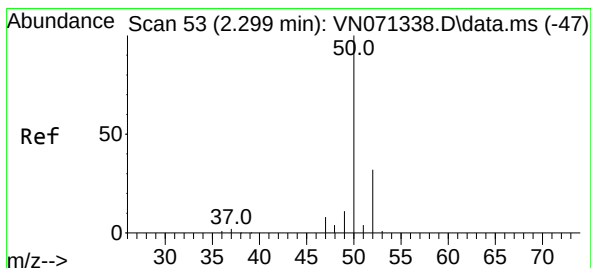
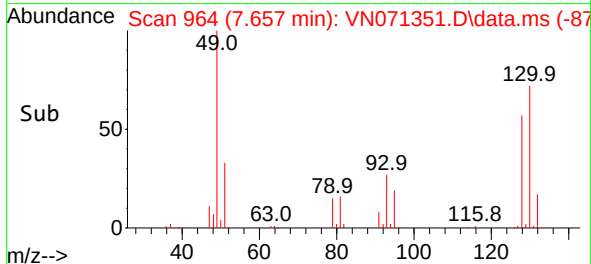
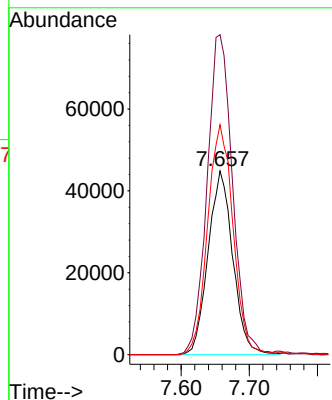
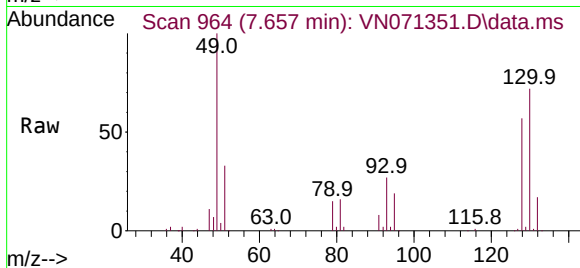




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 964
Delta R.T. -0.000 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

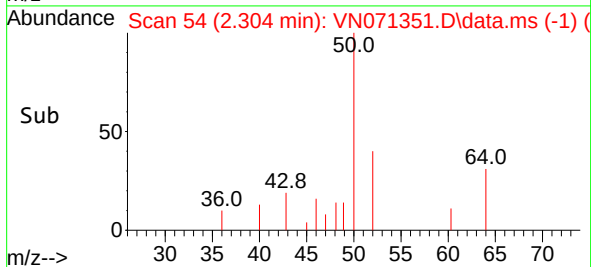
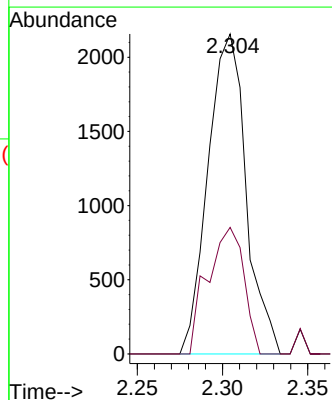
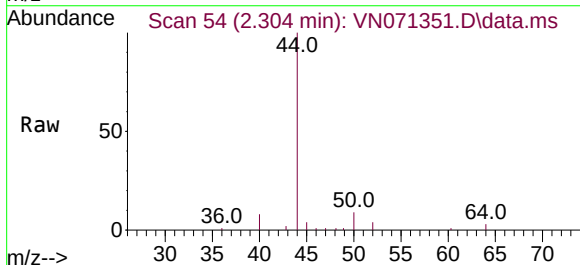
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220315

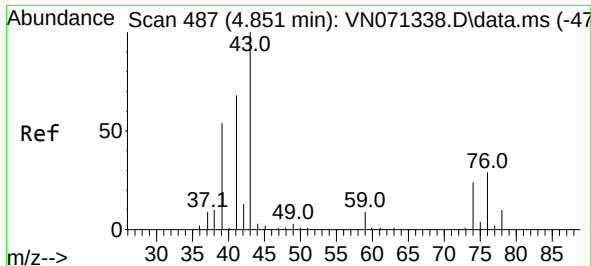
Tgt Ion:128 Resp: 113124
Ion Ratio Lower Upper
128 100
49 179.2 0.0 392.3
130 129.0 0.0 320.2



#3
Chloromethane
Concen: 0.343 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

Tgt Ion: 50 Resp: 3351
Ion Ratio Lower Upper
50 100
52 39.5 27.8 41.6

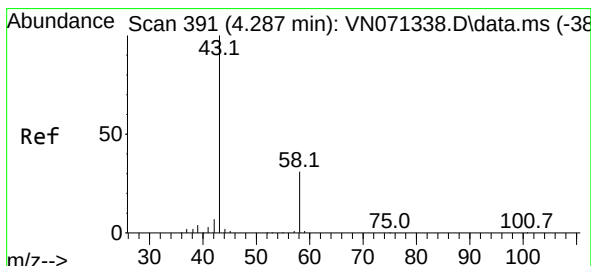
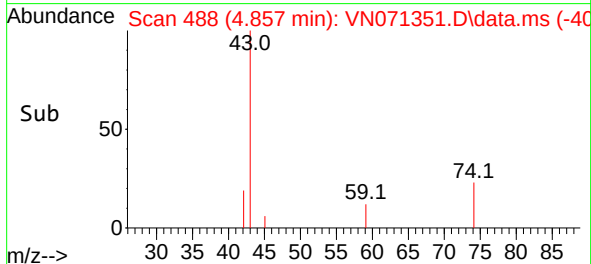
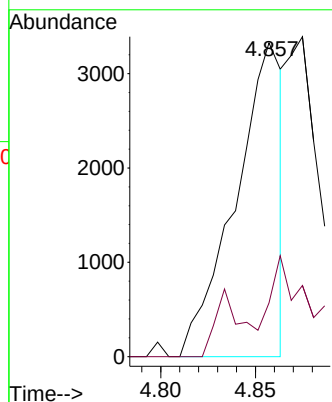
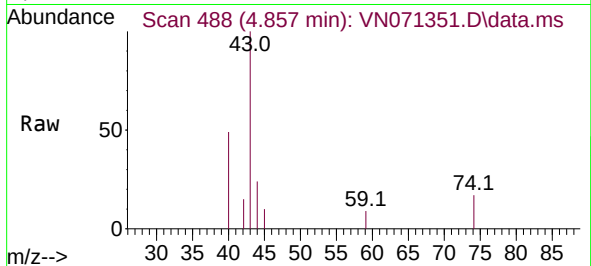




#12
Methyl Acetate
Concen: 0.463 ug/l
RT: 4.857 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

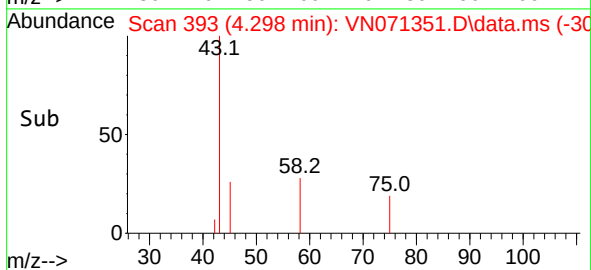
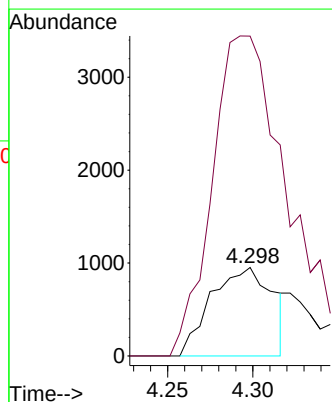
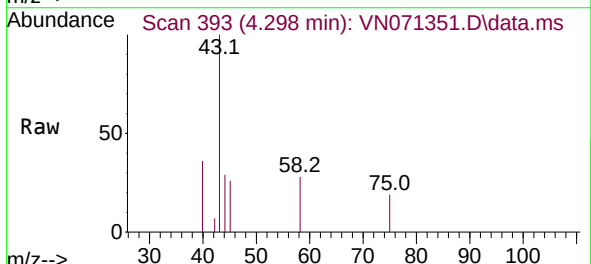
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220315

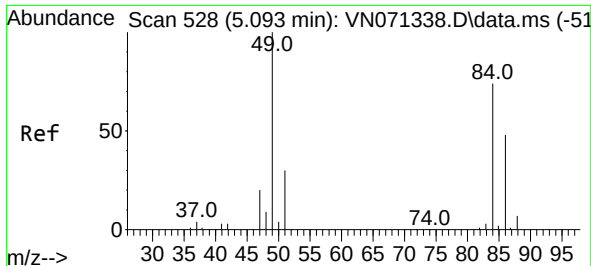
Tgt Ion: 43 Resp: 5732
Ion Ratio Lower Upper
43 100
74 1.9 20.8 31.2#



#15
Acetone
Concen: 1.762 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.012 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

Tgt Ion: 58 Resp: 2390
Ion Ratio Lower Upper
58 100
43 335.0 256.6 384.8

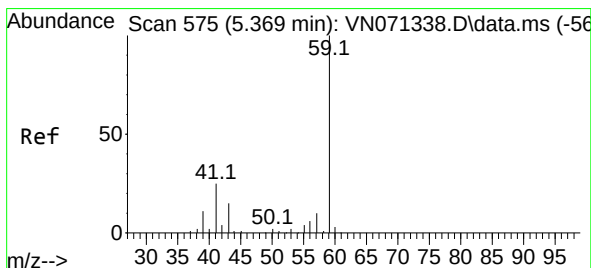
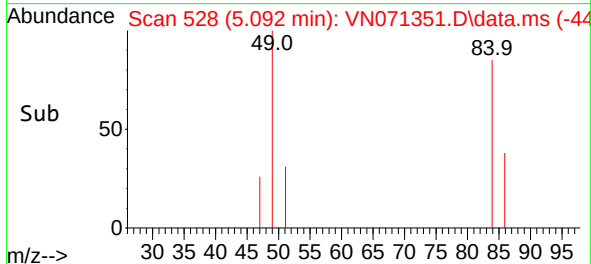
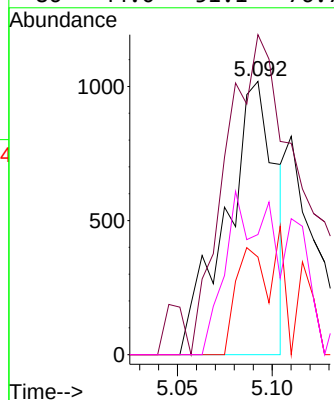
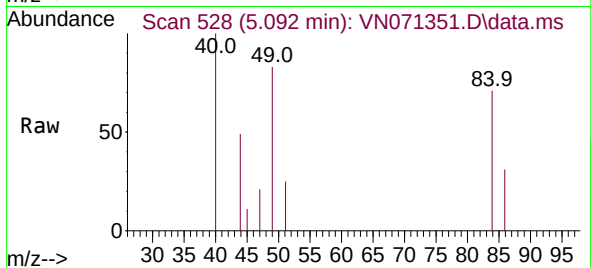




#18
Methylene Chloride
Concen: 0.236 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

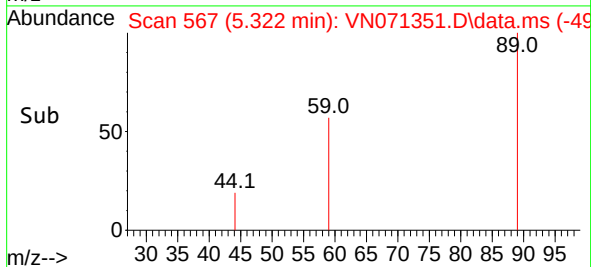
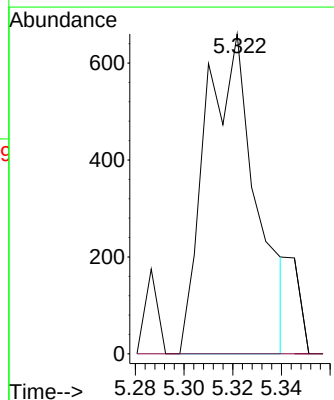
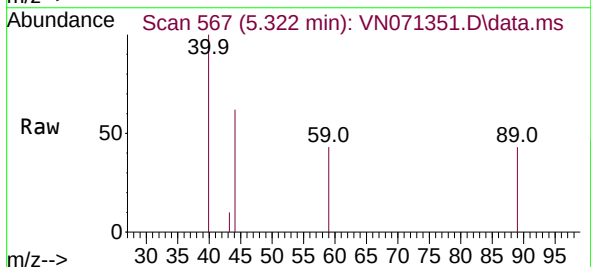
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220315

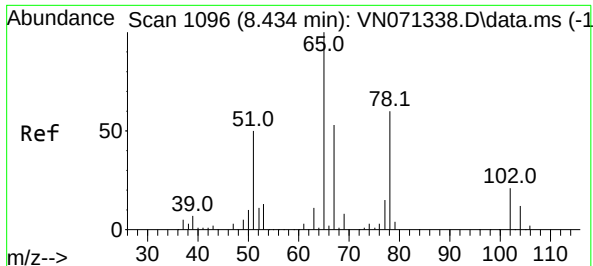
Tgt Ion:	84	Resp:	1858
Ion	Ratio	Lower	Upper
84	100		
49	99.7	91.4	137.0
51	35.7	29.4	44.0
86	44.0	51.1	76.7



#23
tert-Butyl Alcohol
Concen: 0.501 ug/l
RT: 5.322 min Scan# 567
Delta R.T. -0.047 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

Tgt Ion:	59	Resp:	957
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

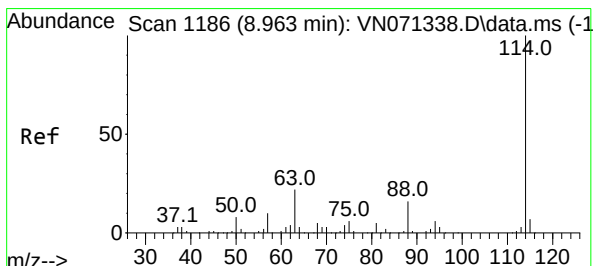
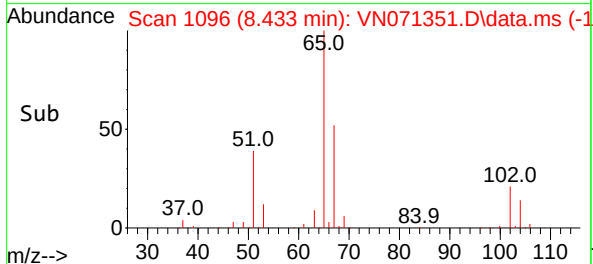
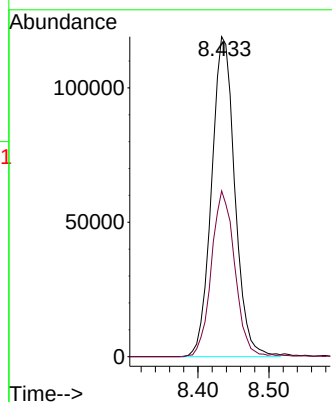
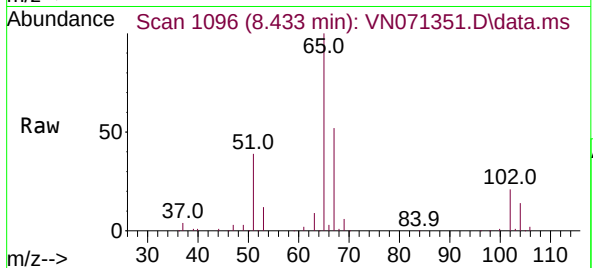




#27
1,2-Dichloroethane-d4
Concen: 30.114 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

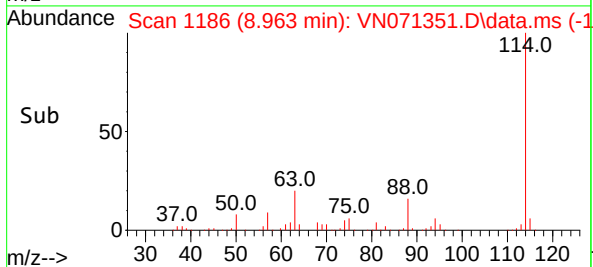
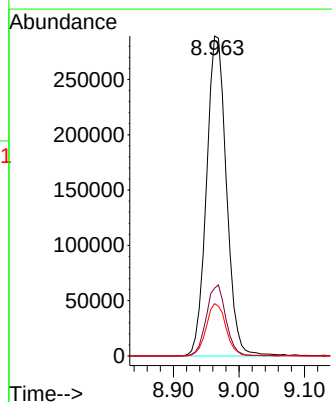
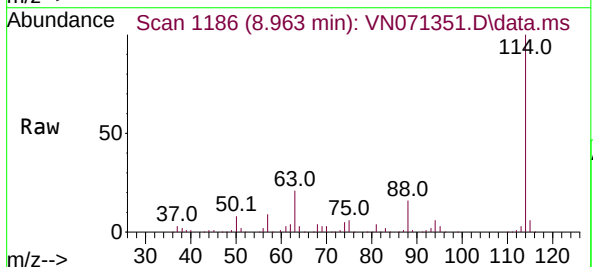
Instrument :
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ClientSampleId :
TT-TB-20220315

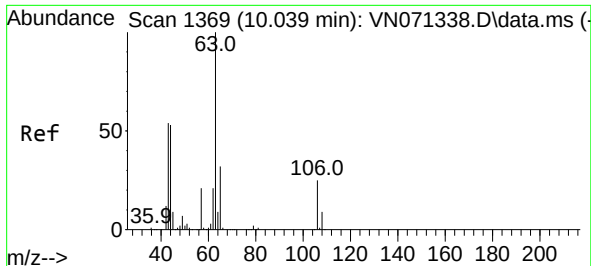
Tgt Ion: 65 Resp: 270469
Ion Ratio Lower Upper
65 100
67 52.1 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

Tgt Ion: 114 Resp: 611785
Ion Ratio Lower Upper
114 100
63 21.8 15.8 23.6
88 16.2 11.6 17.4

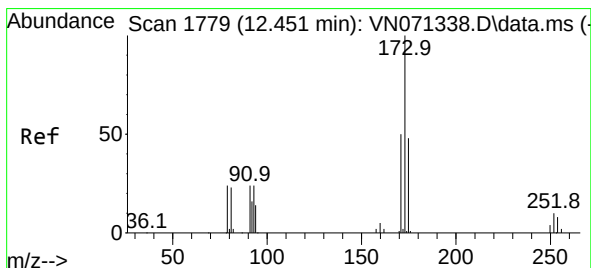
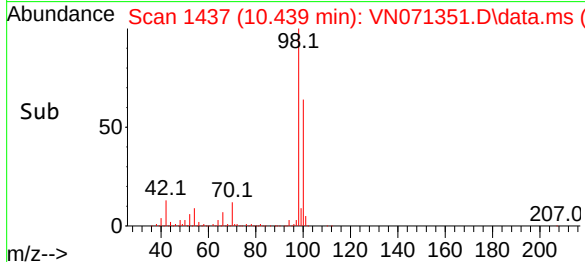
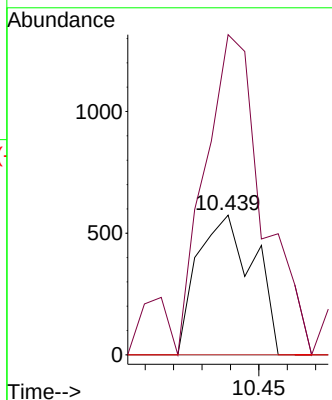
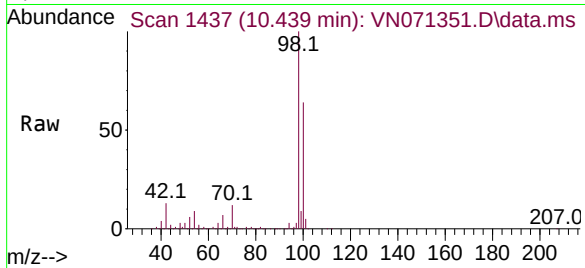




#55
2-Chloroethyl vinyl ether
Concen: 0.203 ug/l
RT: 10.439 min Scan# 14
Delta R.T. 0.400 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

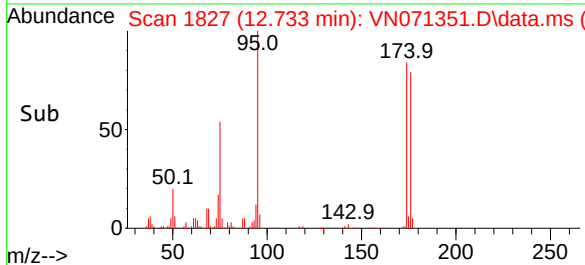
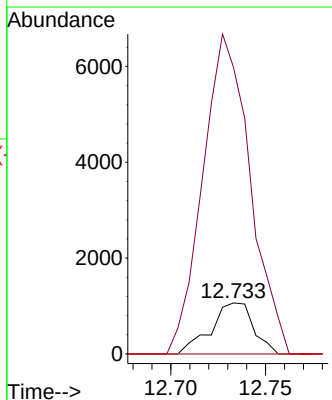
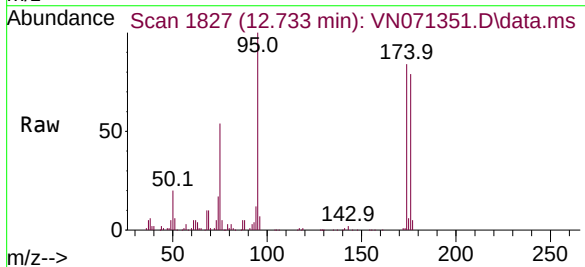
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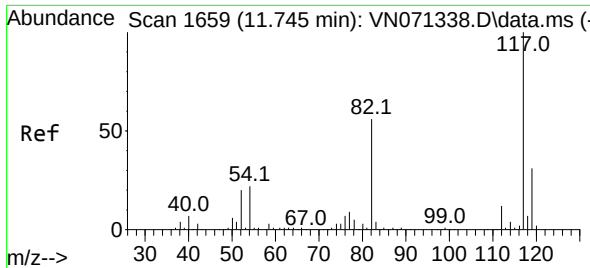
Tgt Ion: 63 Resp: 790
Ion Ratio Lower Upper
63 100
65 236.7 25.4 38.0#
106 0.0 23.2 34.8#



#56
Bromoform
Concen: 0.279 ug/l
RT: 12.733 min Scan# 1827
Delta R.T. 0.282 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

Tgt Ion: 173 Resp: 1669
Ion Ratio Lower Upper
173 100
175 696.3 38.6 58.0#
254 0.0 0.0 0.0

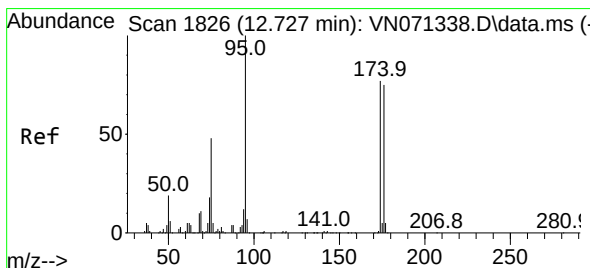
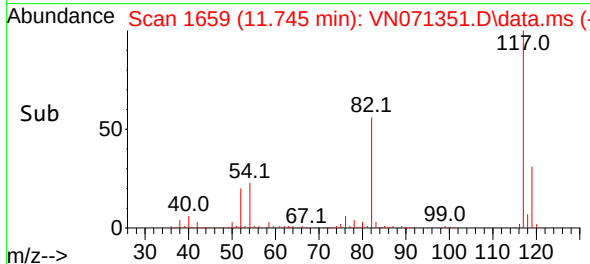
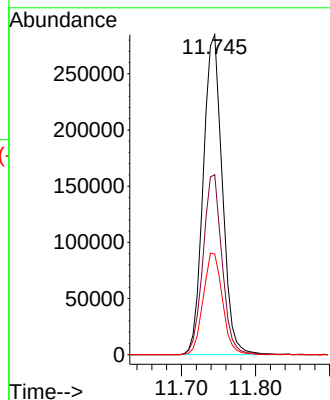
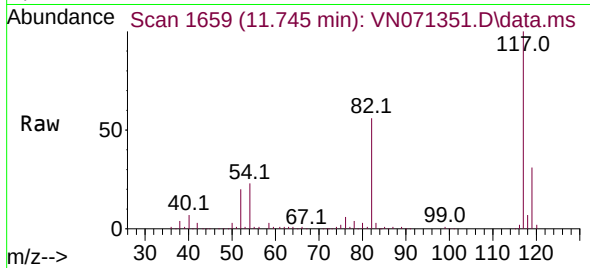




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

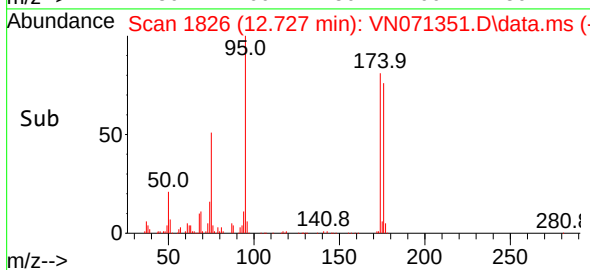
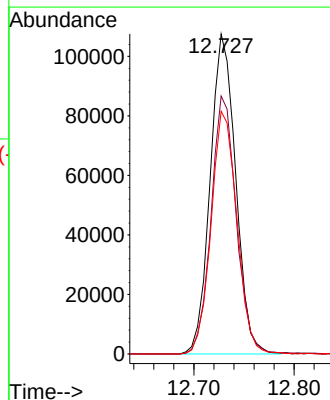
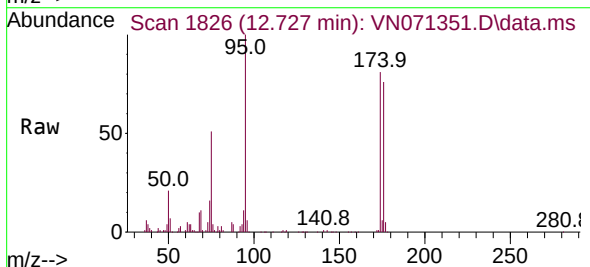
Instrument :
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TT-TB-20220315

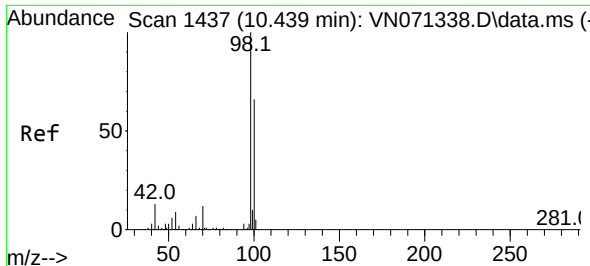
Tgt Ion:117 Resp: 508927
Ion Ratio Lower Upper
117 100
82 56.3 43.6 65.4
119 32.1 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 24.095 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

Tgt Ion: 95 Resp: 189448
Ion Ratio Lower Upper
95 100
174 79.8 62.9 94.3
176 77.0 61.0 91.4

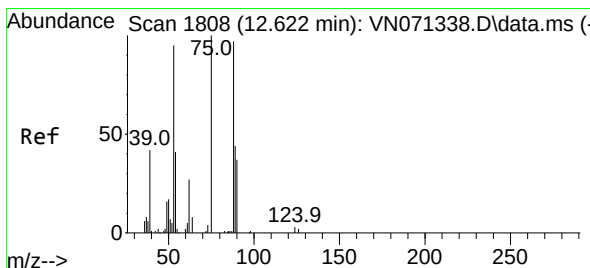
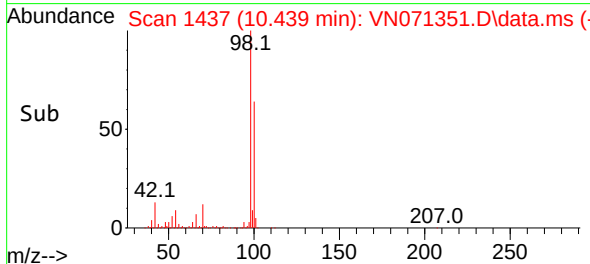
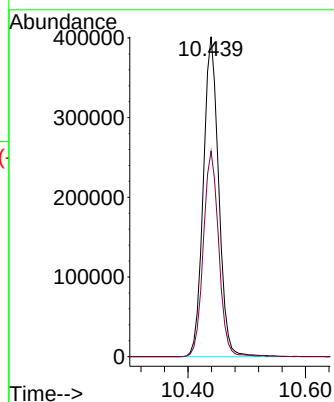
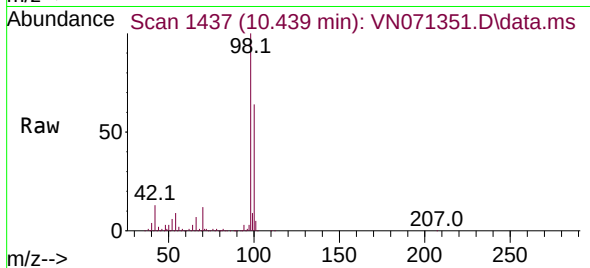




#63
Toluene-d8
Concen: 31.199 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220315

Tgt Ion: 98 Resp: 730408
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 30.696 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071351.D
Acq: 17 Mar 2022 14:43

Tgt Ion: 75 Resp: 98320
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

