

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072508.D
 Acq On : 16 May 2022 18:08
 Operator : JC\MD
 Sample : N2838-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20220511

Quant Time: May 17 07:19:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 17 06:34:50 2022
 Response via : Initial Calibration

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

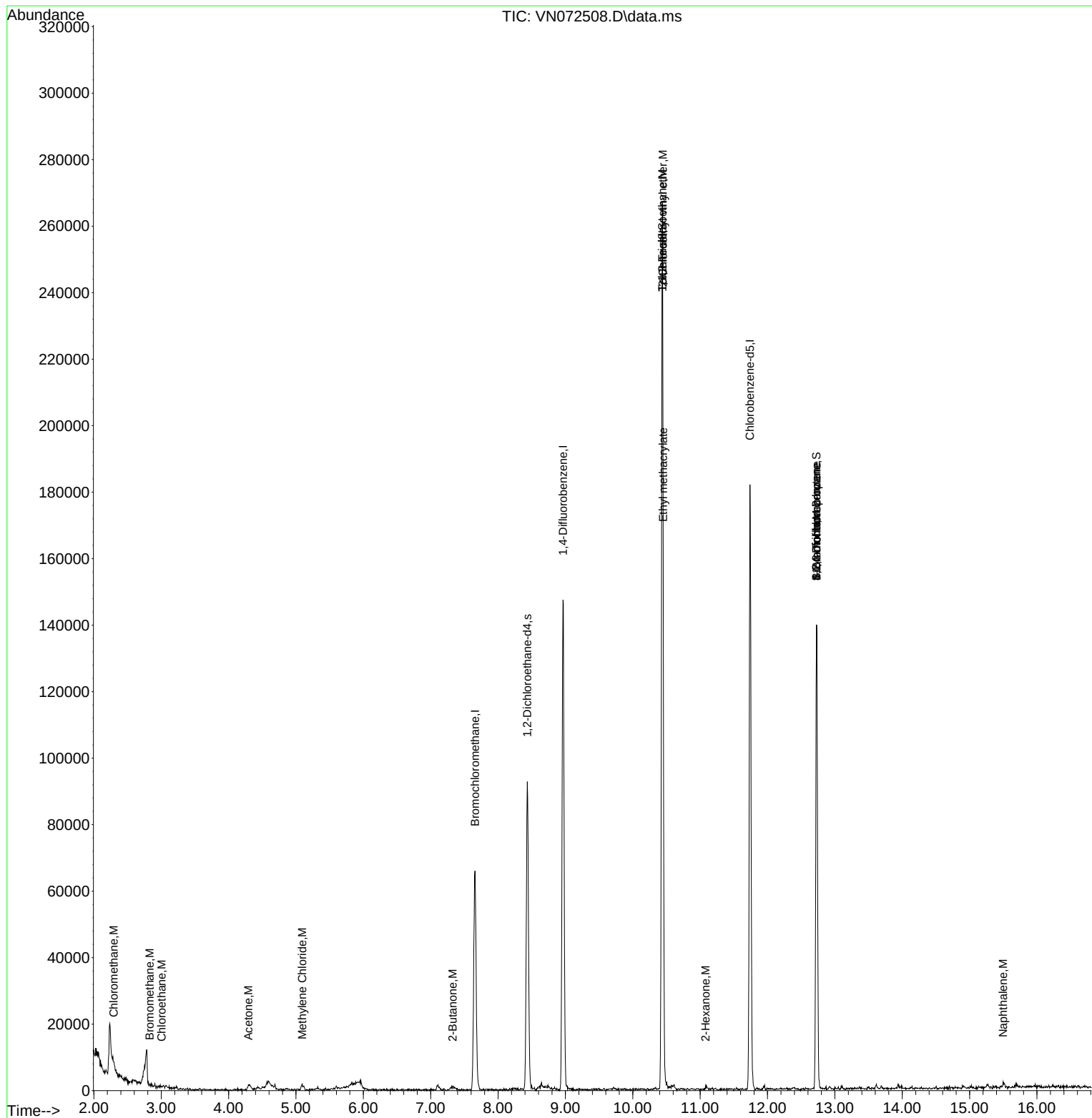
Internal Standards						
1) Bromochloromethane	7.657	128	25455	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	123566	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	102649	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	82745	28.888	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.300%
60) 4-Bromofluorobenzene	12.727	95	48010	23.954	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.833%
63) Toluene-d8	10.439	98	178682	31.888	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	506	0.265	ug/l #	40
5) Bromomethane	2.828	94	285	0.217	ug/l #	3
6) Chloroethane	3.004	64	273	0.259	ug/l #	44
15) Acetone	4.293	58	211	0.729	ug/l #	1
18) Methylene Chloride	5.093	84	1146	0.598	ug/l #	64
30) 2-Butanone	7.328	43	804	0.564	ug/l #	86
50) 1,1,2-Trichloroethane	10.439	97	3876	2.067	ug/l #	1
51) Ethyl methacrylate	10.451	69	651	0.223	ug/l #	54
55) 2-Chloroethyl vinyl ether	10.445	63	152	0.205	ug/l #	1
56) Bromoform	12.727	173	598	0.350	ug/l #	1
59) 2-Hexanone	11.080	43	607	0.342	ug/l #	44
72) 1,2,3-Trichloropropane	12.727	75	28899	13.008	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	28899	39.368	ug/l #	8
91) Naphthalene	15.498	128	2297	8.147	ug/l #	77

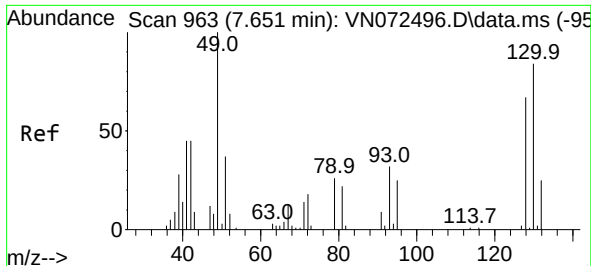
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
Data File : VN072508.D
Acq On : 16 May 2022 18:08
Operator : JC\MD
Sample : N2838-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220511

Quant Time: May 17 07:19:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 17 06:34:50 2022
Response via : Initial Calibration

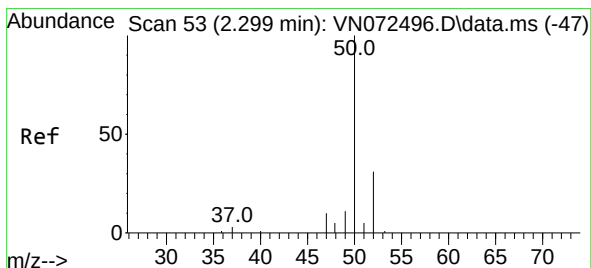
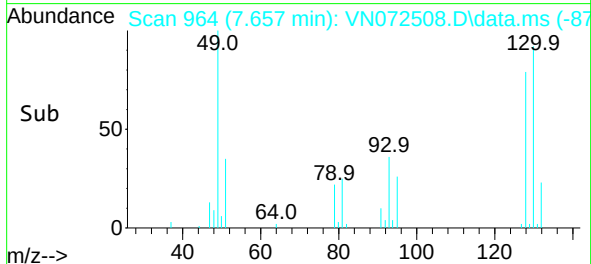
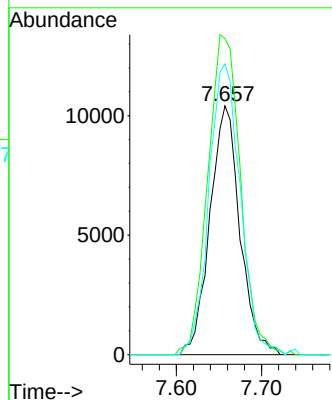
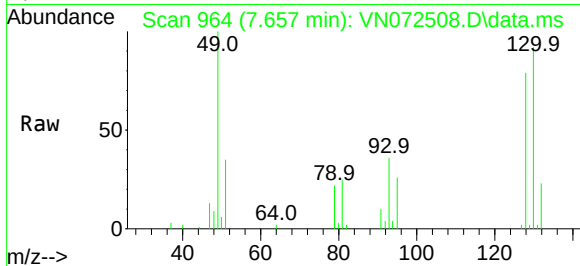




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

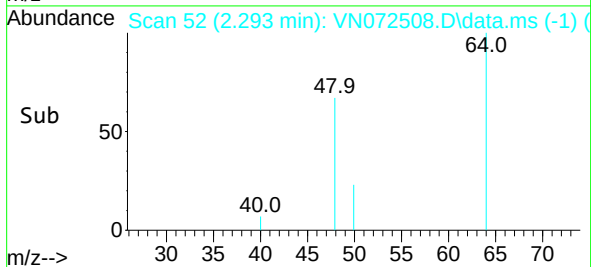
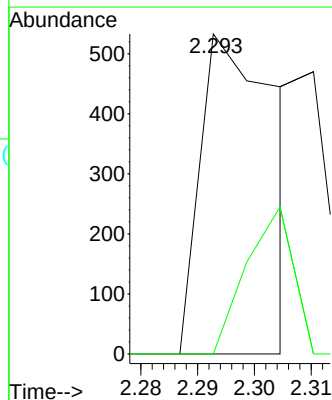
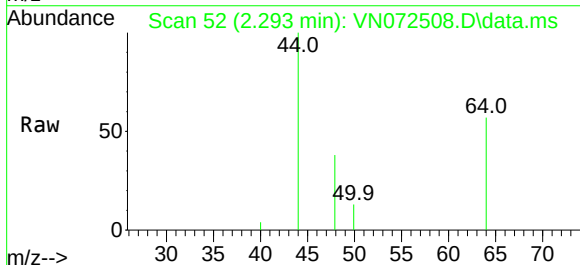
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220511

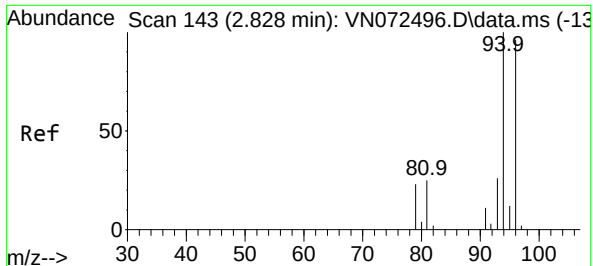
Tgt Ion:128 Resp: 25455
Ion Ratio Lower Upper
128 100
49 140.0 0.0 392.3
130 122.5 0.0 320.2



#3
Chloromethane
Concen: 0.265 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

Tgt Ion: 50 Resp: 506
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

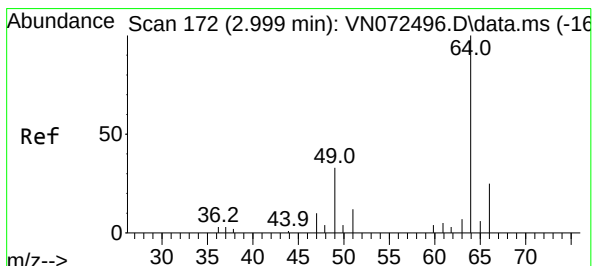
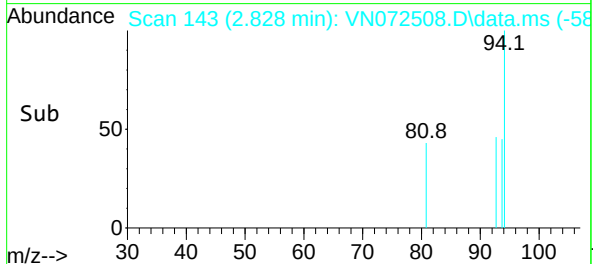
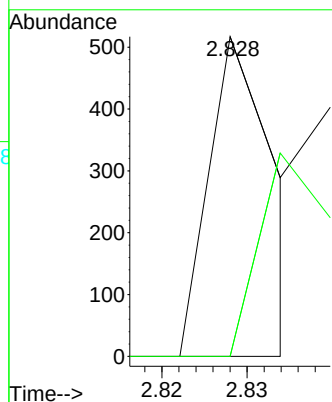
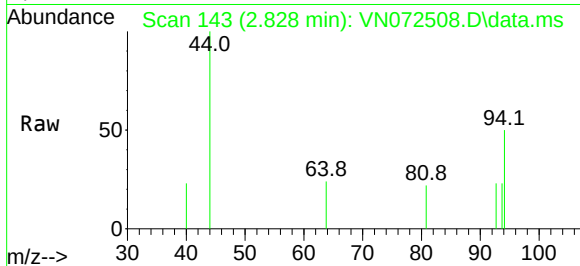




#5
Bromomethane
Concen: 0.217 ug/l
RT: 2.828 min Scan# 143
Delta R.T. 0.000 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

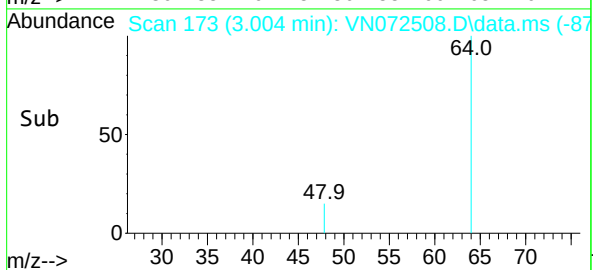
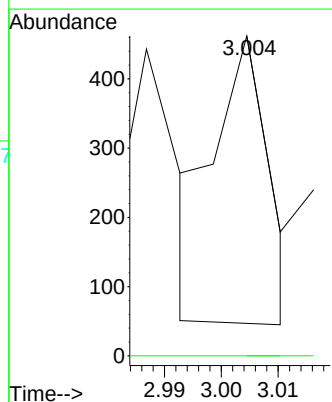
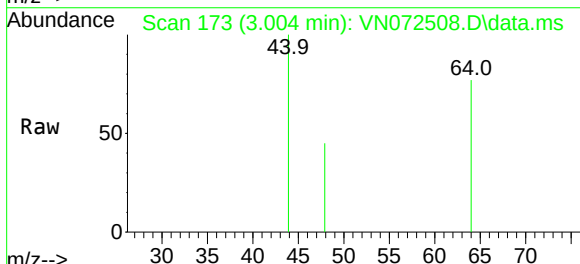
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220511

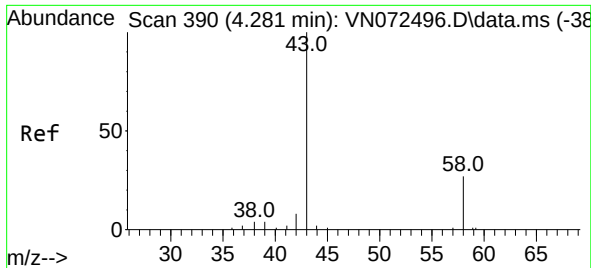
Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 0.0 75.2 112.8#



#6
Chloroethane
Concen: 0.259 ug/l
RT: 3.004 min Scan# 173
Delta R.T. 0.006 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

Tgt Ion: 64 Resp: 273
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#





#15

Acetone

Concen: 0.729 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.012 min

Lab File: VN072508.D

Acq: 16 May 2022 18:08

Instrument :

MSVOA_N

ClientSampleId :

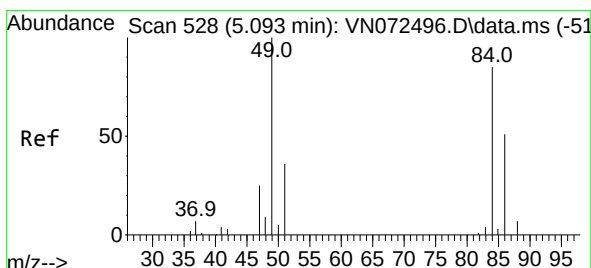
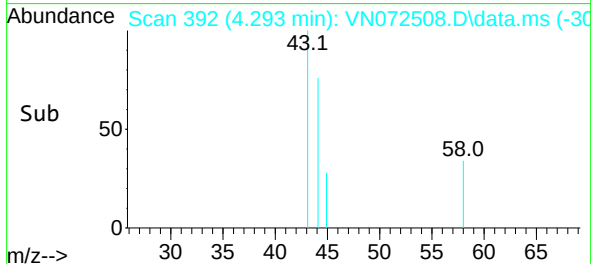
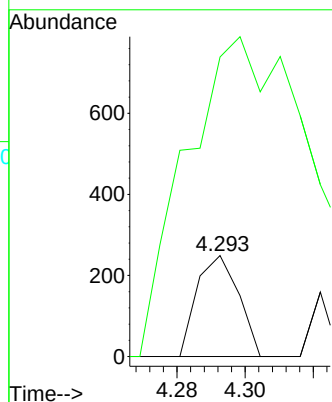
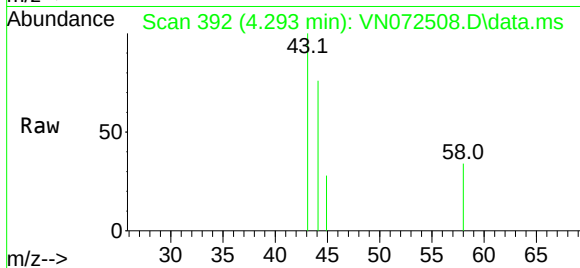
TT-TB-20220511

Tgt Ion: 58 Resp: 211

Ion Ratio Lower Upper

58 100

43 92.4 256.6 384.8#



#18

Methylene Chloride

Concen: 0.598 ug/l

RT: 5.093 min Scan# 528

Delta R.T. 0.000 min

Lab File: VN072508.D

Acq: 16 May 2022 18:08

Tgt Ion: 84 Resp: 1146

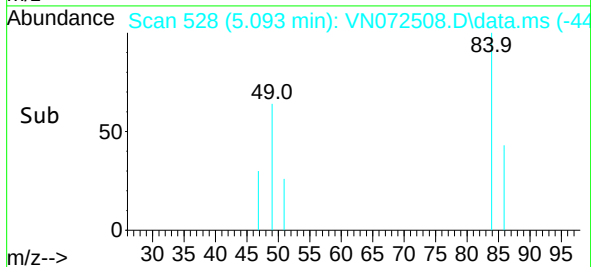
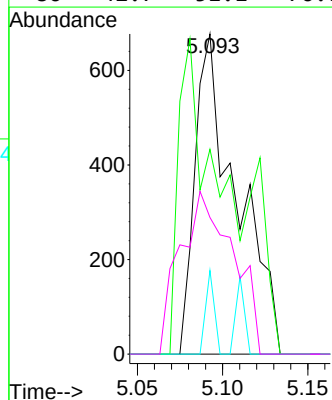
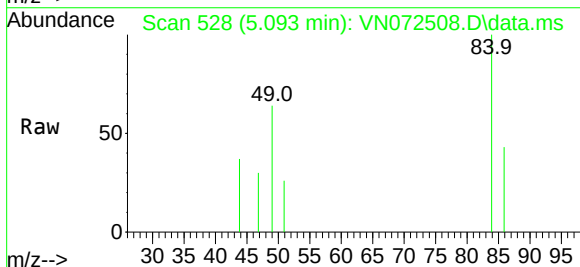
Ion Ratio Lower Upper

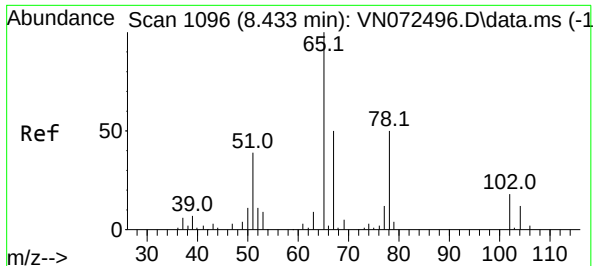
84 100

49 64.0 91.4 137.0#

51 26.1 29.4 44.0#

86 42.7 51.1 76.7#

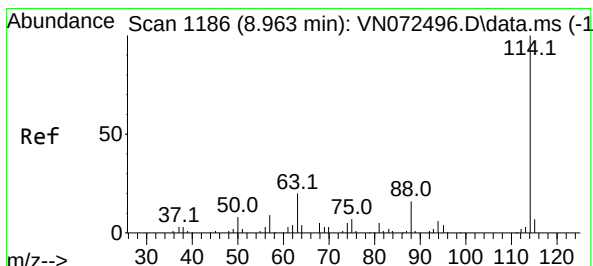
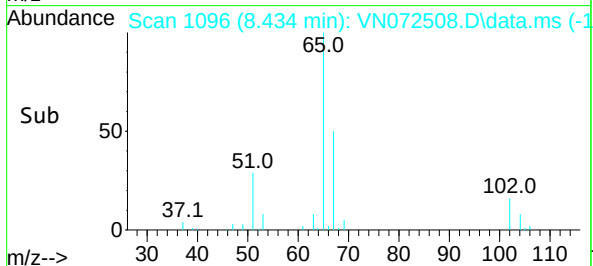
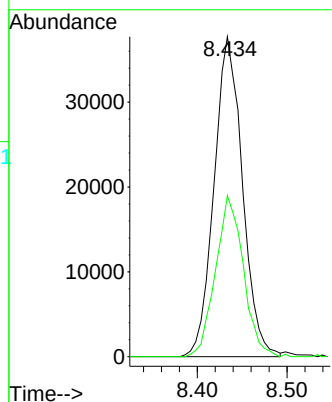
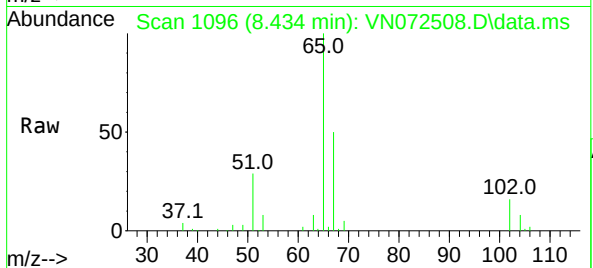




#27
1,2-Dichloroethane-d4
Concen: 28.888 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

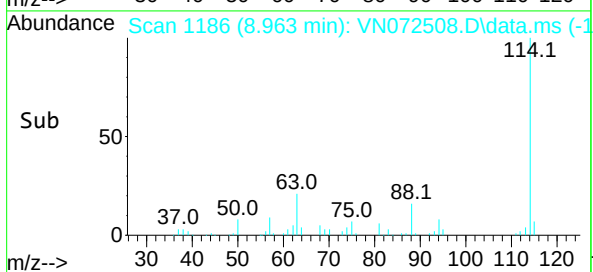
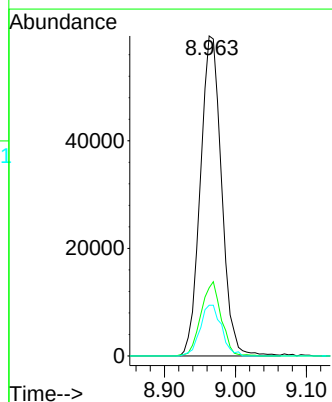
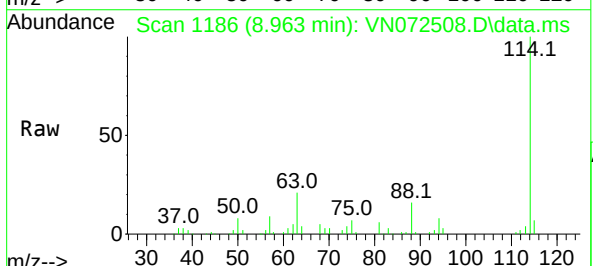
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220511

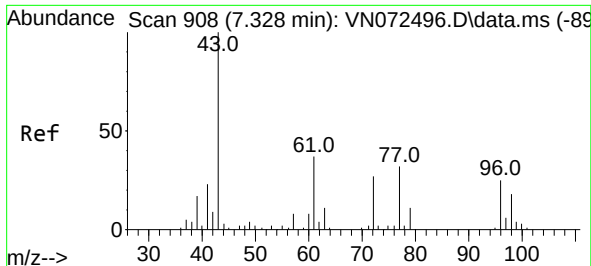
Tgt Ion: 65 Resp: 82745
Ion Ratio Lower Upper
65 100
67 49.2 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

Tgt Ion: 114 Resp: 123566
Ion Ratio Lower Upper
114 100
63 22.2 15.8 23.6
88 16.0 11.6 17.4

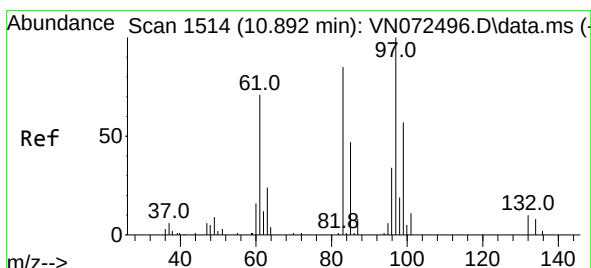
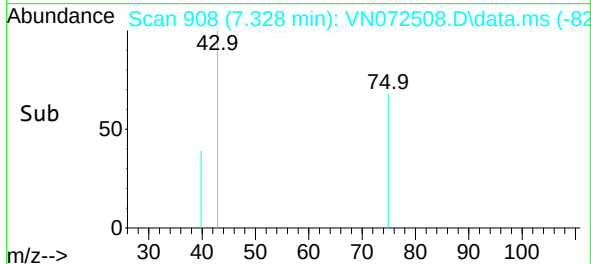
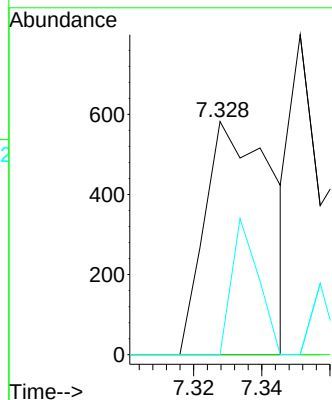
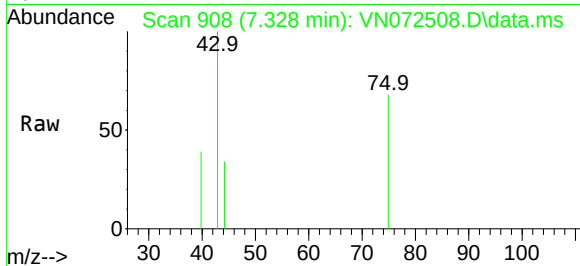




#30
2-Butanone
Concen: 0.564 ug/l
RT: 7.328 min Scan# 908
Delta R.T. 0.000 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

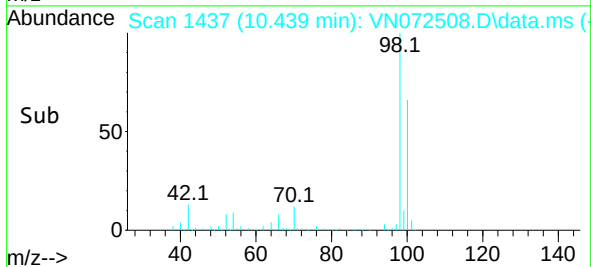
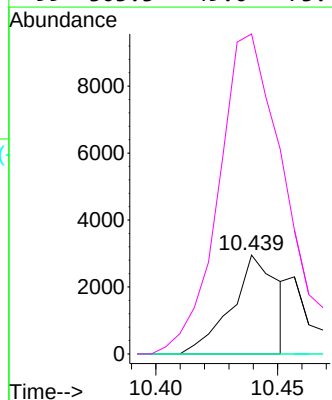
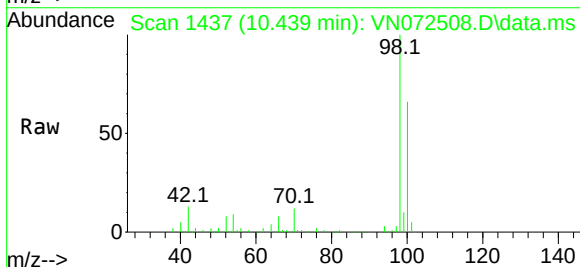
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220511

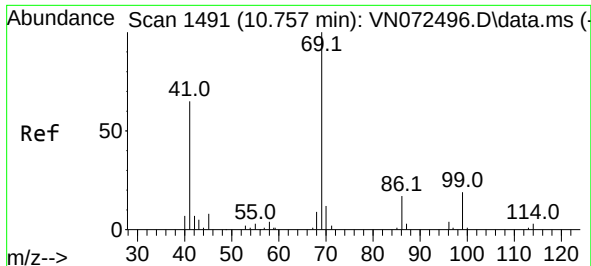
Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 23.0 23.2 34.8#



#50
1,1,2-Trichloroethane
Concen: 2.067 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.453 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

Tgt Ion: 97 Resp: 3876
Ion Ratio Lower Upper
97 100
83 0.0 67.2 100.8#
85 0.0 43.0 64.4#
99 303.3 49.0 73.4#

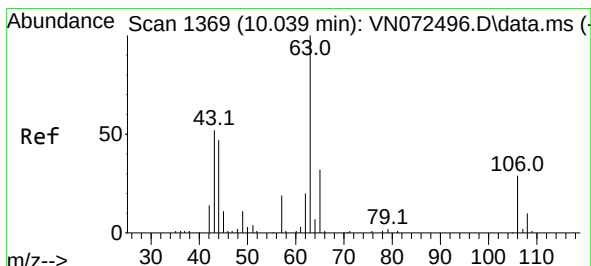
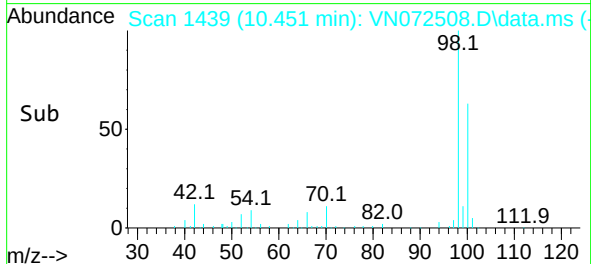
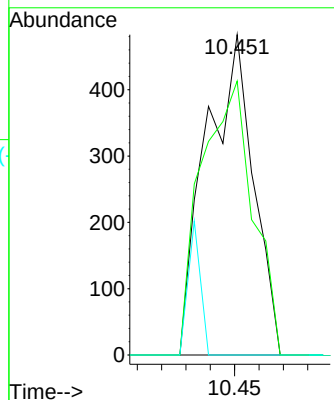
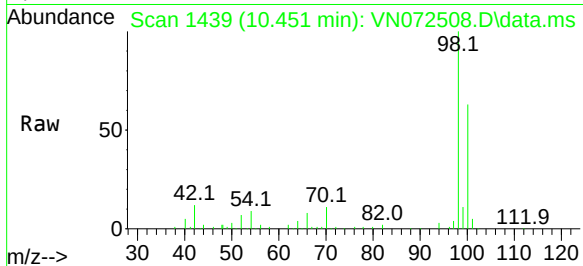




#51
Ethyl methacrylate
Concen: 0.223 ug/l
RT: 10.451 min Scan# 1491
Delta R.T. -0.306 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

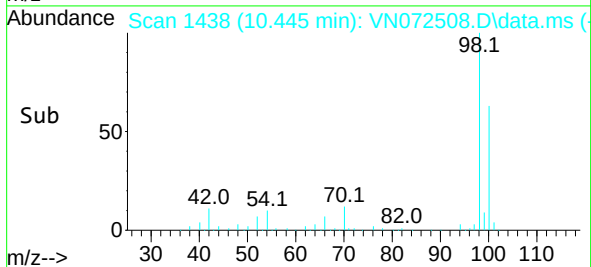
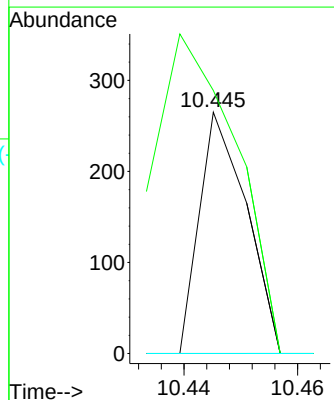
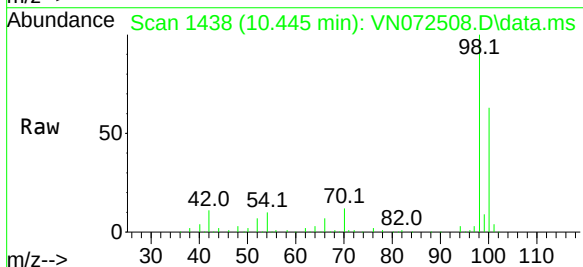
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220511

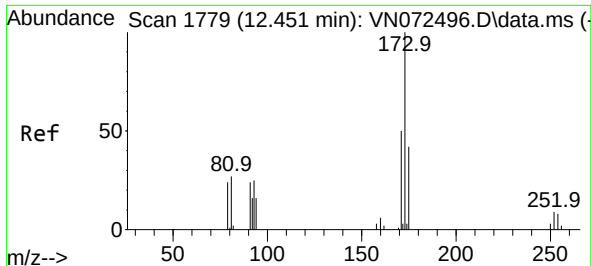
Tgt Ion: 69 Resp: 651
Ion Ratio Lower Upper
69 100
41 85.5 33.0 98.9
39 0.0 25.4 76.4#



#55
2-Chloroethyl vinyl ether
Concen: 0.205 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. 0.406 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

Tgt Ion: 63 Resp: 152
Ion Ratio Lower Upper
63 100
65 280.9 25.4 38.0#
106 0.0 23.2 34.8#

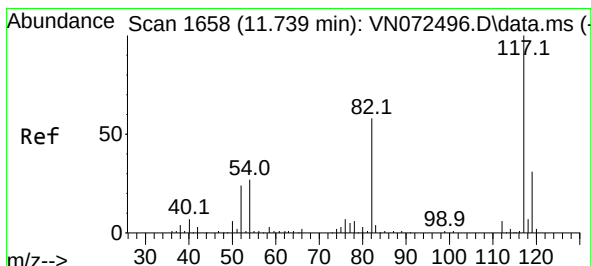
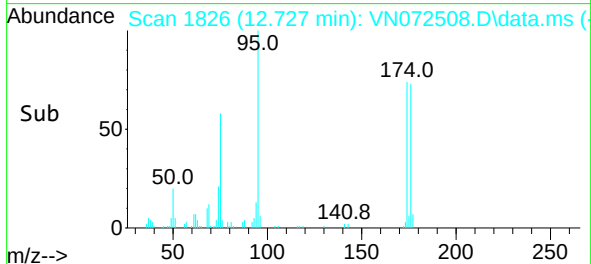
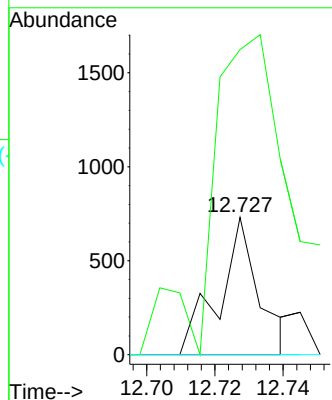
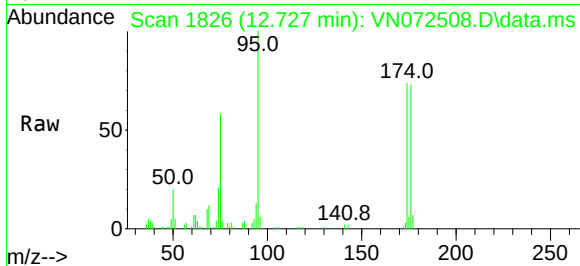




#56
Bromoform
Concen: 0.350 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.277 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

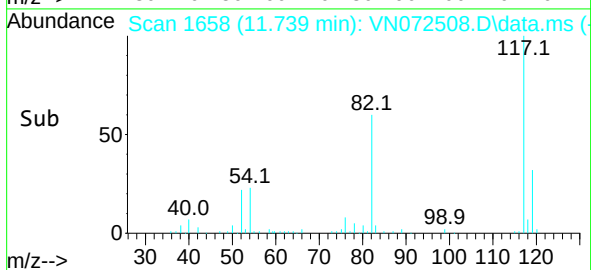
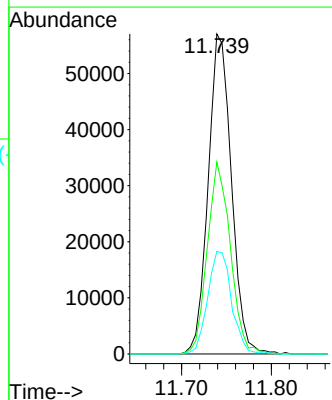
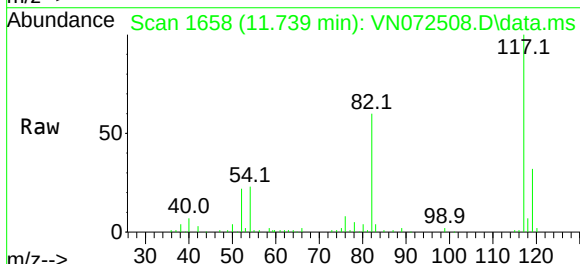
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220511

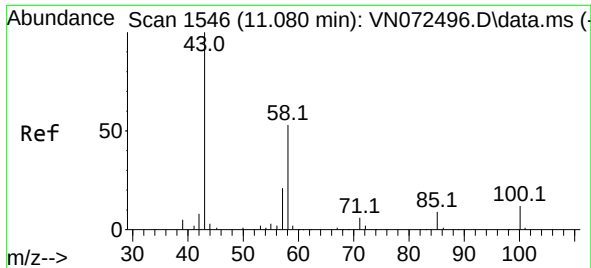
Tgt Ion:173 Resp: 598
Ion Ratio Lower Upper
173 100
175 427.8 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

Tgt Ion:117 Resp: 102649
Ion Ratio Lower Upper
117 100
82 59.5 43.6 65.4
119 32.9 25.8 38.6

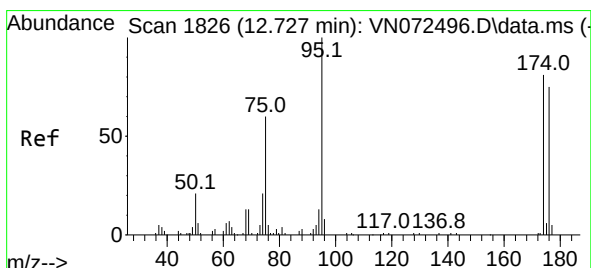
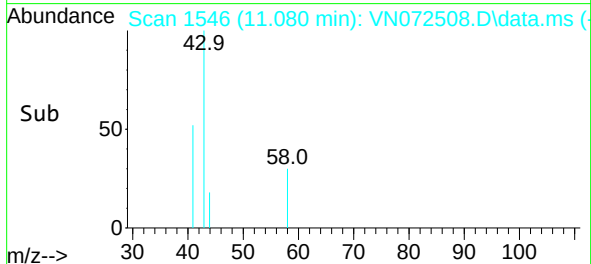
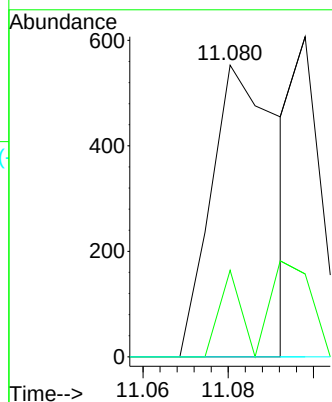
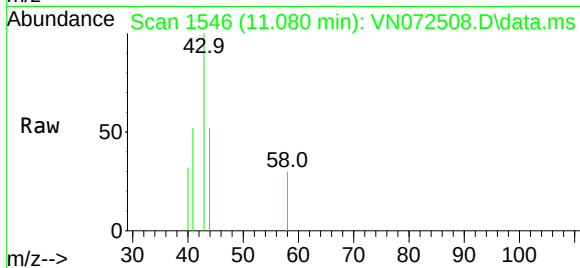




#59
2-Hexanone
Concen: 0.342 ug/l
RT: 11.080 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

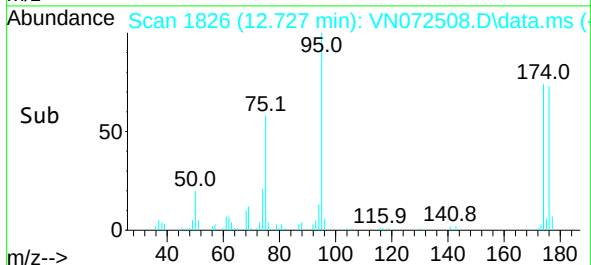
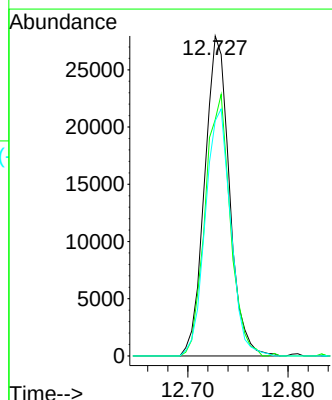
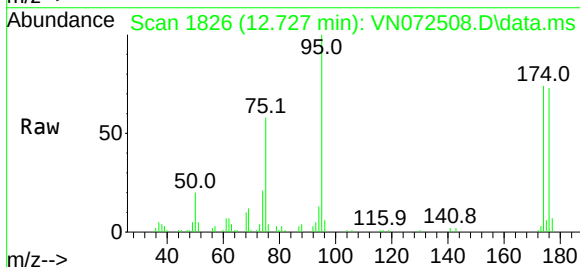
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220511

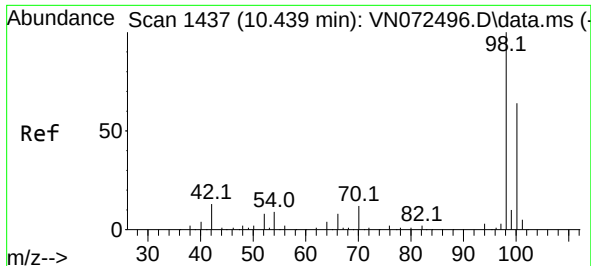
Tgt Ion: 43 Resp: 607
Ion Ratio Lower Upper
43 100
58 9.6 42.2 63.2#
57 0.0 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 23.954 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

Tgt Ion: 95 Resp: 48010
Ion Ratio Lower Upper
95 100
174 82.7 62.9 94.3
176 79.0 61.0 91.4

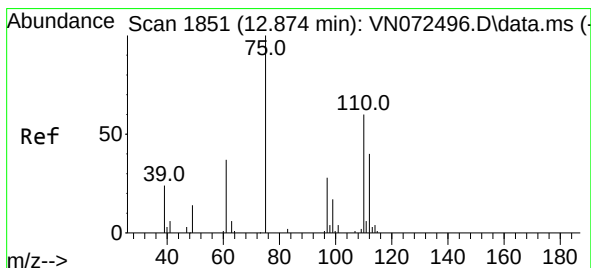
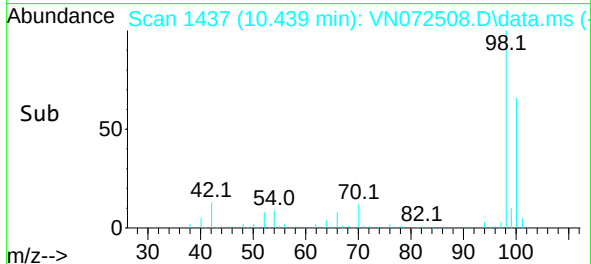
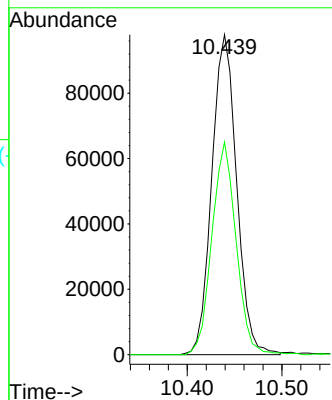
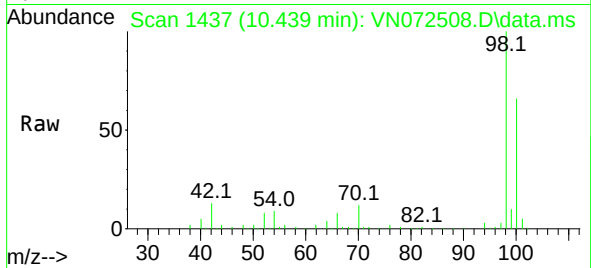




#63
Toluene-d8
Concen: 31.888 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

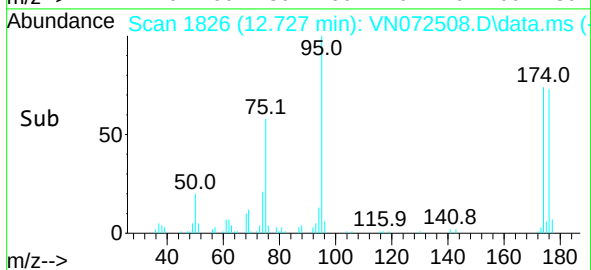
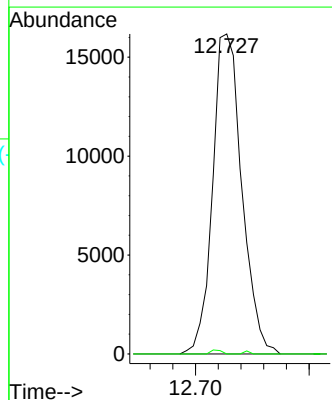
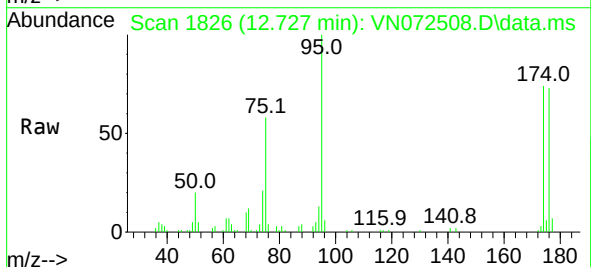
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220511

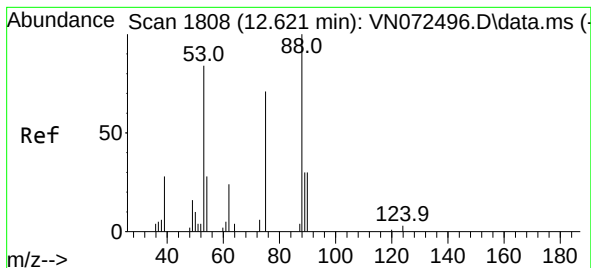
Tgt Ion: 98 Resp: 178682
Ion Ratio Lower Upper
98 100
100 64.7 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 13.008 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

Tgt Ion: 75 Resp: 28899
Ion Ratio Lower Upper
75 100
77 0.5 0.0 378.0

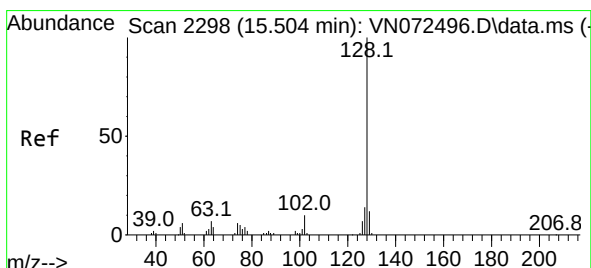
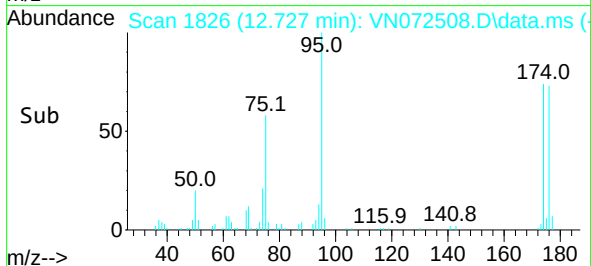
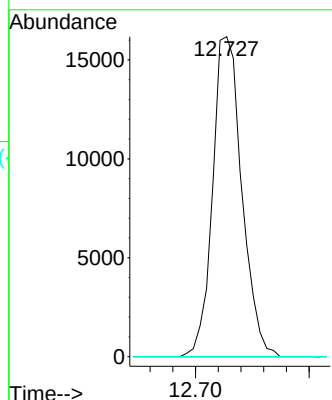
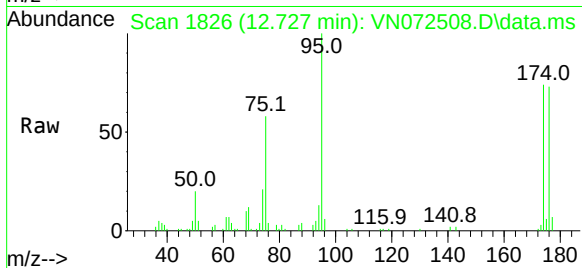




#77
t-1,4-Dichloro-2-butene
Concen: 39.368 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220511

Tgt Ion: 75 Resp: 28899
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 8.147 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN072508.D
Acq: 16 May 2022 18:08

Tgt Ion: 128 Resp: 2297
Ion Ratio Lower Upper
128 100
127 6.4 10.7 16.1#
129 0.0 9.0 13.6#

