

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050823\
 Data File : VN077619.D
 Acq On : 08 May 2023 16:08
 Operator : JC\MD
 Sample : 02642-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20230504

Quant Time: May 09 06:03:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 09 05:58:09 2023
 Response via : Initial Calibration

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

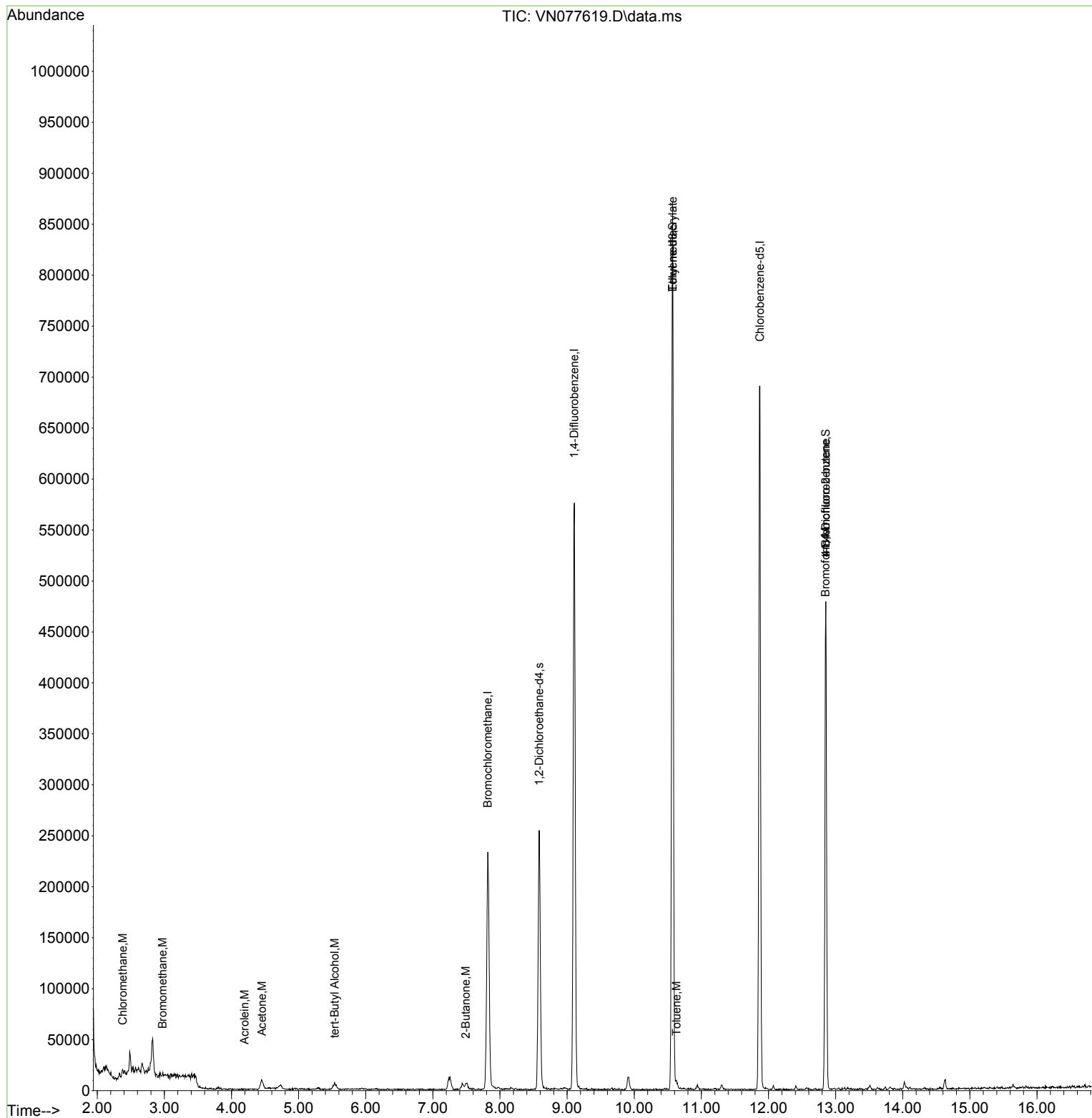
Internal Standards						
1) Bromochloromethane	7.819	128	90458	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	534417	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	430801	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	203523	31.286	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.300%			
60) 4-Bromofluorobenzene	12.854	95	174202	25.431	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 84.767%			
63) Toluene-d8	10.572	98	629148	31.620	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.400%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.378	50	3201	0.709	ug/l #	82
5) Bromomethane	2.972	94	1199	0.259	ug/l #	4
13) Acrolein	4.195	56	319	0.447	ug/l #	81
15) Acetone	4.454	58	5379	10.001	ug/l #	21
23) tert-Butyl Alcohol	5.537	59	4935	7.108	ug/l #	100
30) 2-Butanone	7.489	43	8922	4.351	ug/l #	83
51) Ethyl methacrylate	10.572	69	1966	0.249	ug/l	86
56) Bromoform	12.848	173	827	0.221	ug/l #	1
62) Toluene	10.630	91	5011	0.210	ug/l	99
77) t-1,4-Dichloro-2-butene	12.854	75	91112	44.040	ug/l #	12

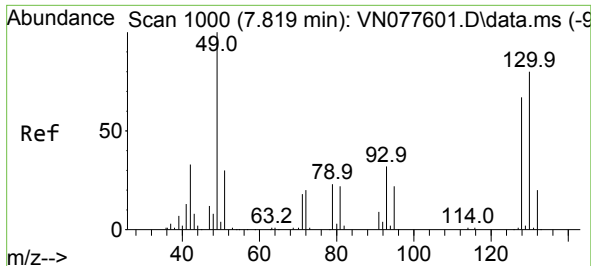
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TT-TB-20230504

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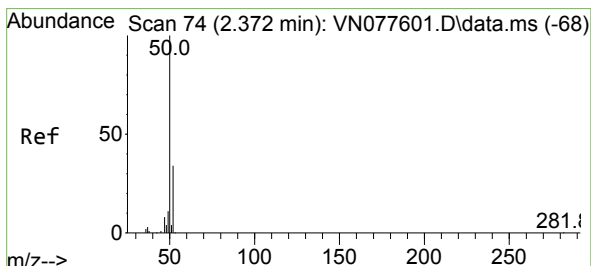
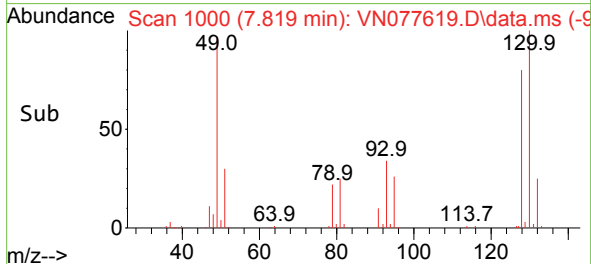
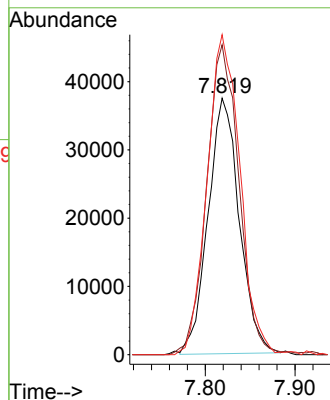
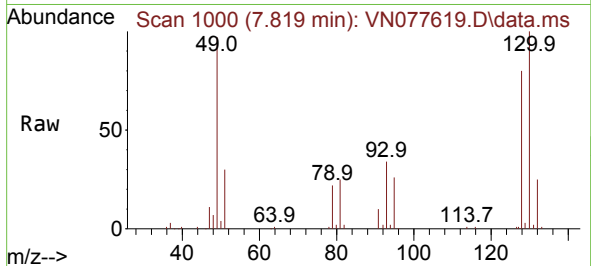




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

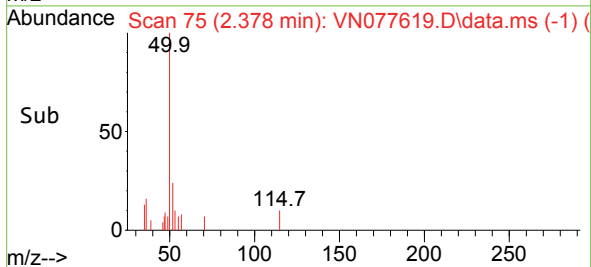
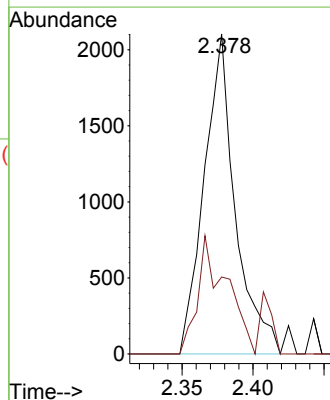
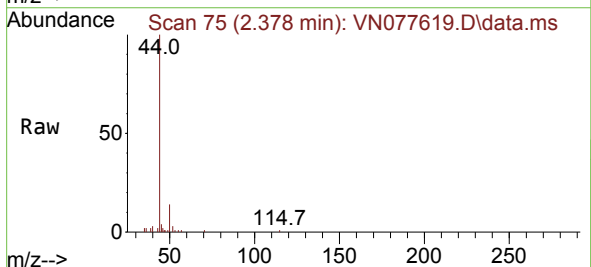
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20230504

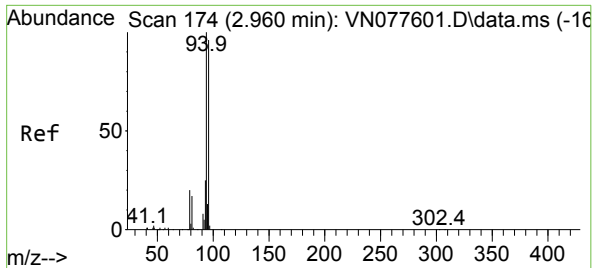
Tgt Ion:128 Resp: 90458
Ion Ratio Lower Upper
128 100
49 125.3 0.0 369.8
130 131.4 0.0 317.8



#3
Chloromethane
Concen: 0.709 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

Tgt Ion: 50 Resp: 3201
Ion Ratio Lower Upper
50 100
52 24.0 27.3 40.9#

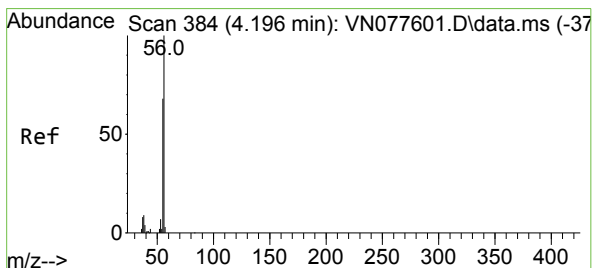
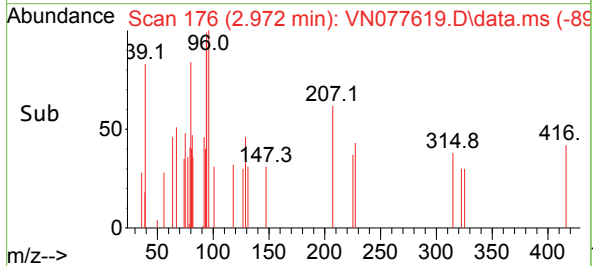
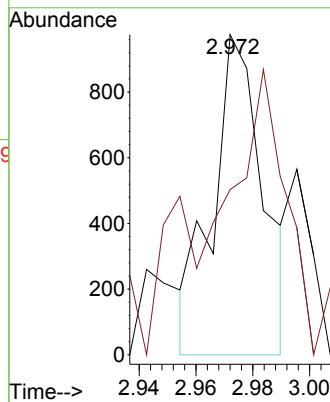
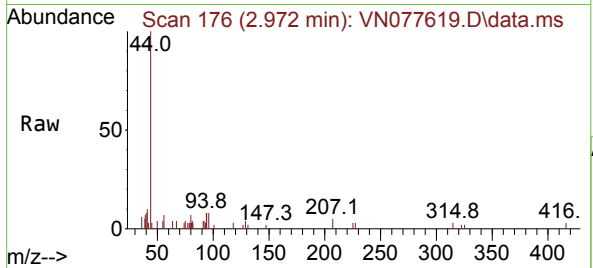




#5
Bromomethane
Concen: 0.259 ug/l
RT: 2.972 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

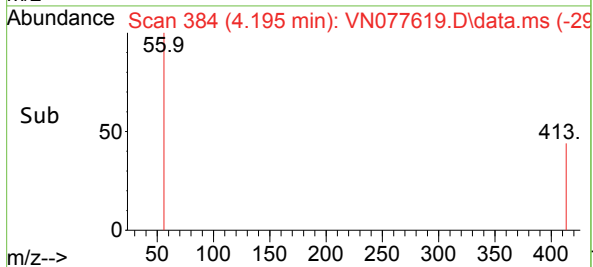
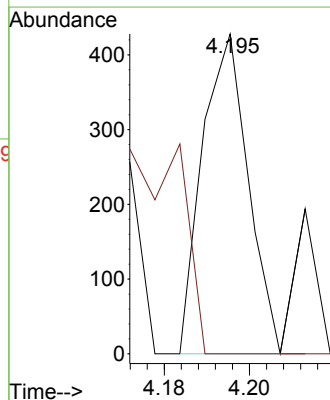
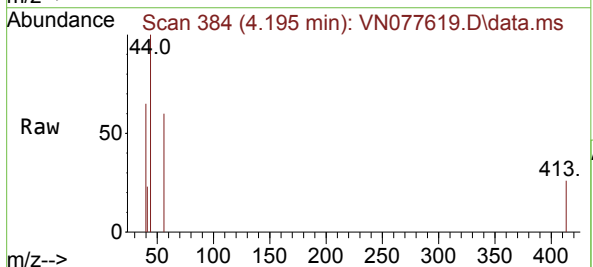
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20230504

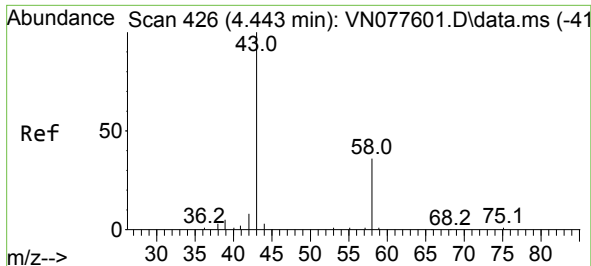
Tgt Ion: 94 Resp: 1199
Ion Ratio Lower Upper
94 100
96 2.6 76.7 115.1#



#13
Acrolein
Concen: 0.447 ug/l
RT: 4.195 min Scan# 384
Delta R.T. -0.001 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

Tgt Ion: 56 Resp: 319
Ion Ratio Lower Upper
56 100
55 84.0 54.8 82.2#





#15

Acetone

Concen: 10.001 ug/l

RT: 4.454 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN077619.D

Acq: 08 May 2023 16:08

Instrument :

MSVOA_N

ClientSampleId :

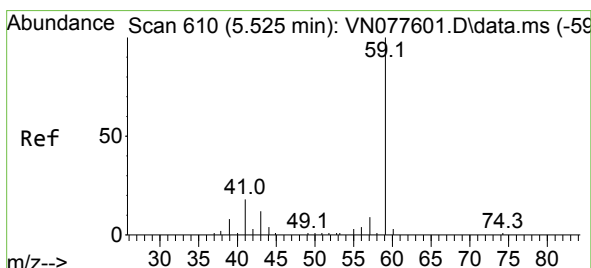
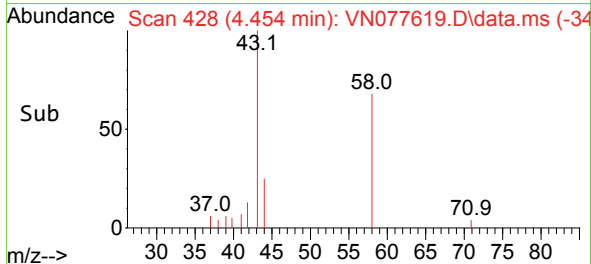
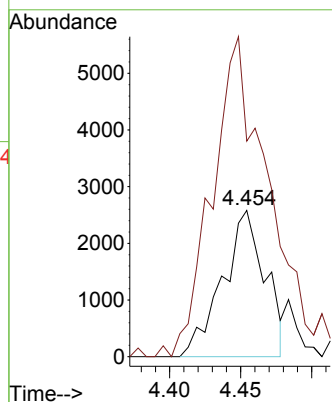
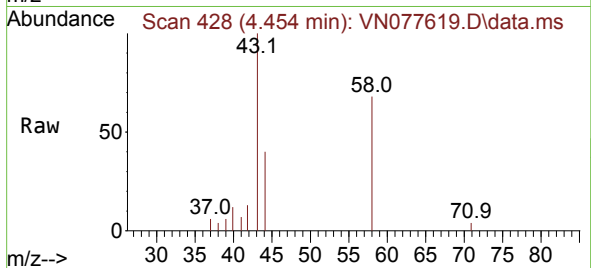
TT-TB-20230504

Tgt Ion: 58 Resp: 5379

Ion Ratio Lower Upper

58 100

43 131.5 223.2 334.8#



#23

tert-Butyl Alcohol

Concen: 7.108 ug/l

RT: 5.537 min Scan# 612

Delta R.T. 0.012 min

Lab File: VN077619.D

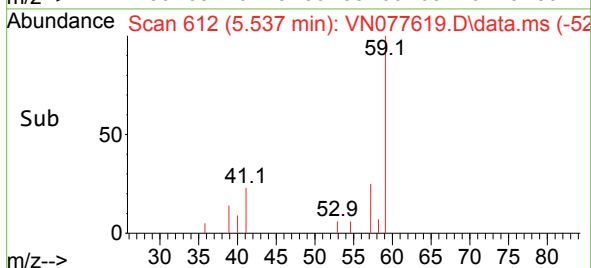
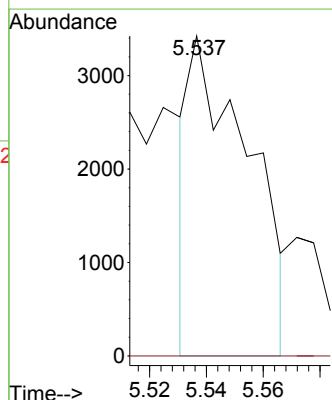
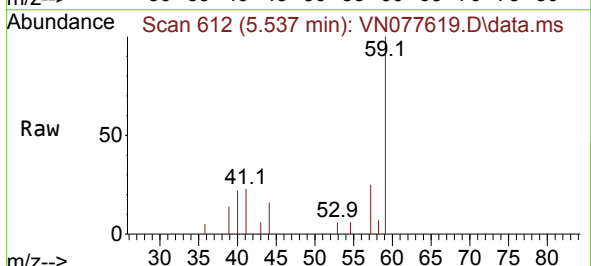
Acq: 08 May 2023 16:08

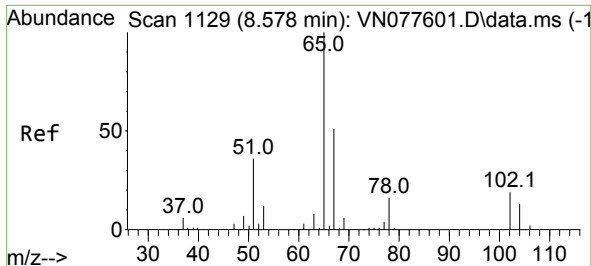
Tgt Ion: 59 Resp: 4935

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 31.286 ug/l

RT: 8.583 min Scan# 1129

Delta R.T. 0.005 min

Lab File: VN077619.D

Acq: 08 May 2023 16:08

Instrument :

MSVOA_N

ClientSampleId :

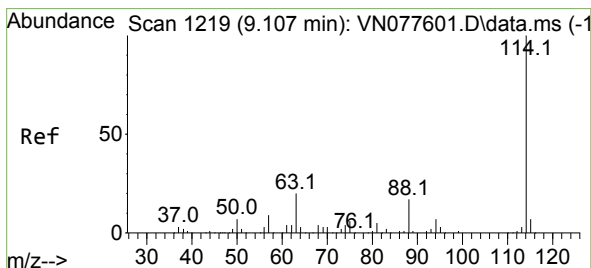
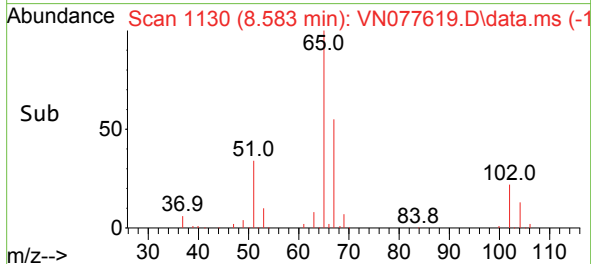
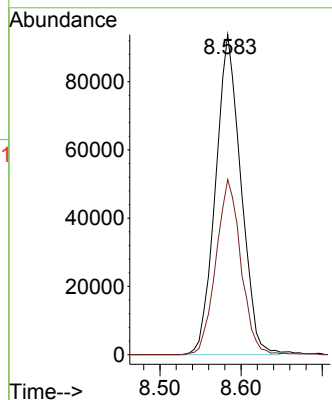
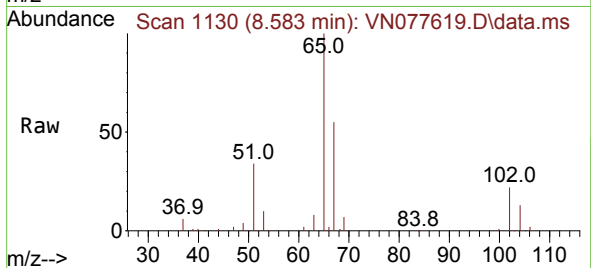
TT-TB-20230504

Tgt Ion: 65 Resp: 203523

Ion Ratio Lower Upper

65 100

67 53.7 41.3 61.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077619.D

Acq: 08 May 2023 16:08

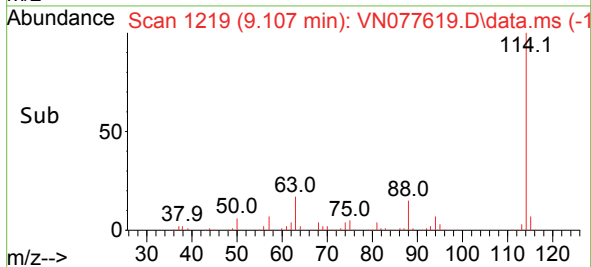
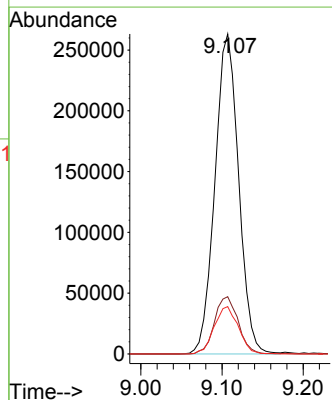
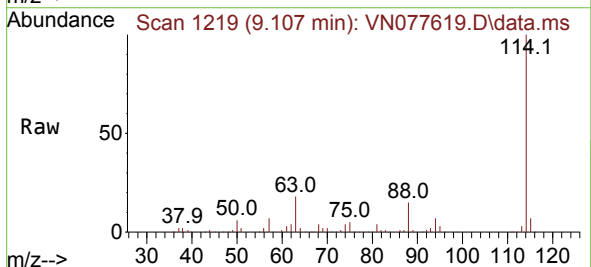
Tgt Ion: 114 Resp: 534417

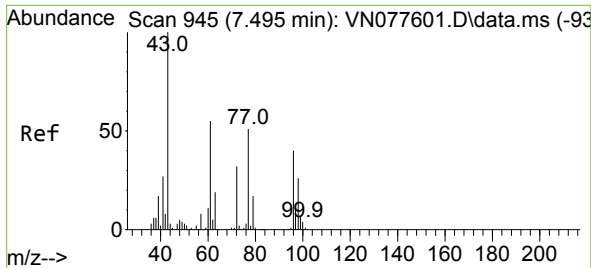
Ion Ratio Lower Upper

114 100

63 17.9 15.8 23.6

88 15.1 13.0 19.4

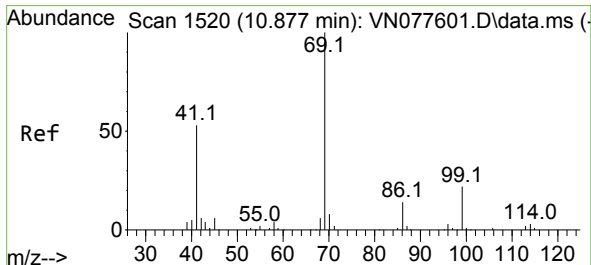
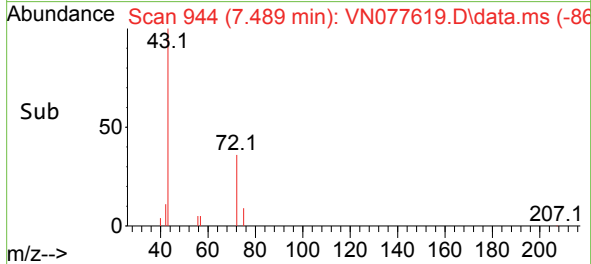
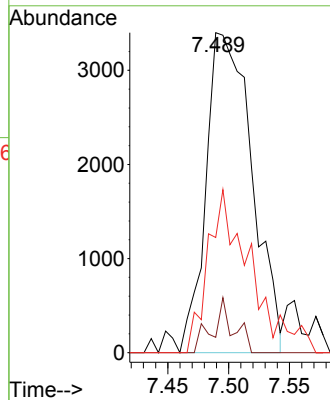
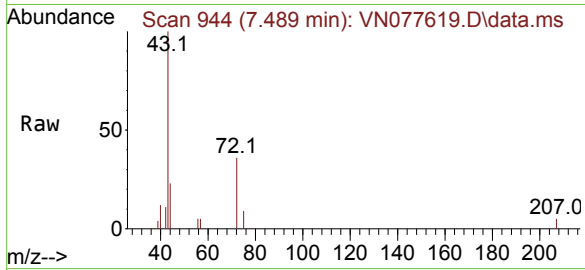




#30
2-Butanone
Concen: 4.351 ug/l
RT: 7.489 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

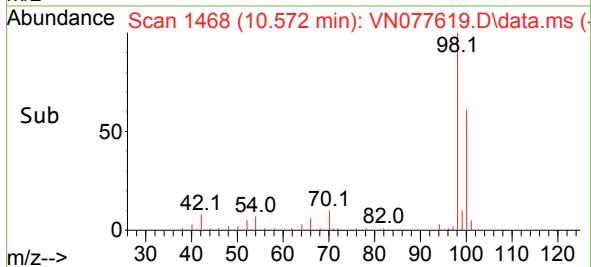
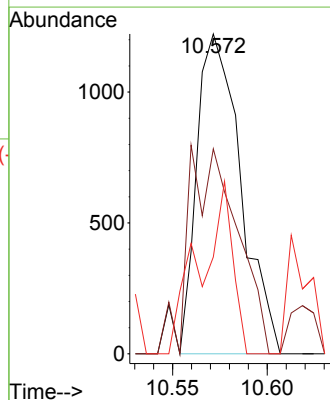
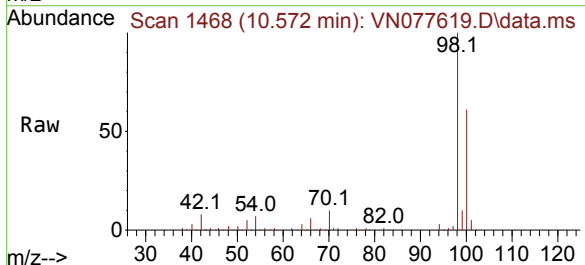
Instrument :
MSVOA_N
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TT-TB-20230504

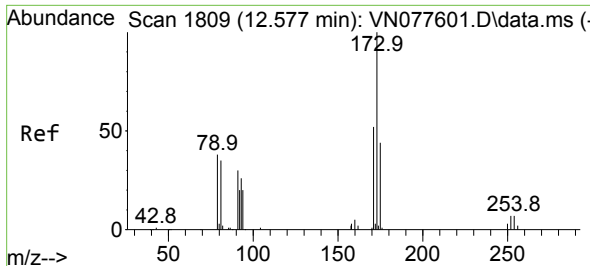
Tgt Ion: 43 Resp: 8922
Ion Ratio Lower Upper
43 100
57 3.0 7.2 10.8#
72 42.4 26.2 39.2#



#51
Ethyl methacrylate
Concen: 0.249 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.306 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

Tgt Ion: 69 Resp: 1966
Ion Ratio Lower Upper
69 100
41 64.1 26.3 78.9
39 30.3 18.1 54.1

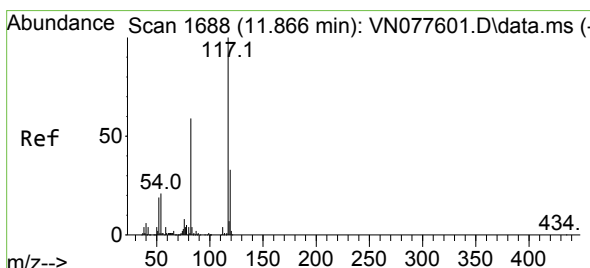
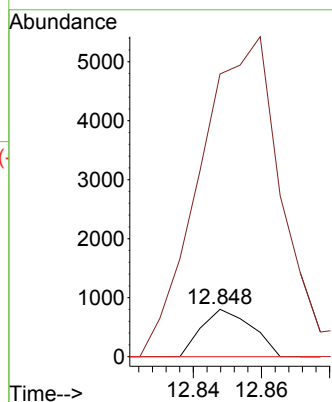
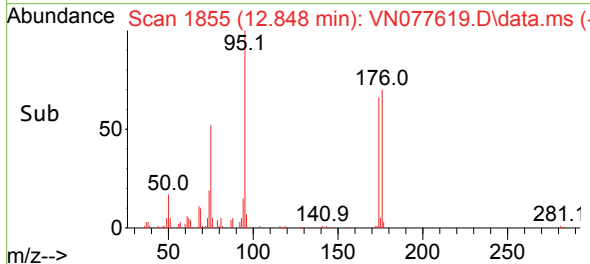
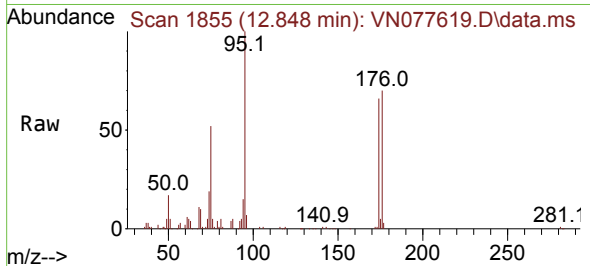




#56
Bromoform
Concen: 0.221 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.271 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

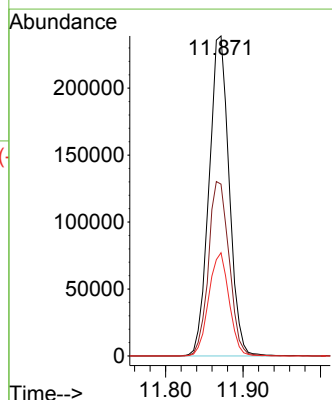
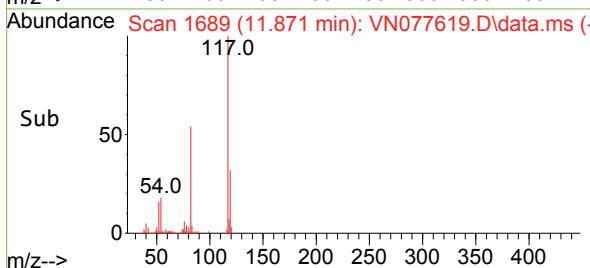
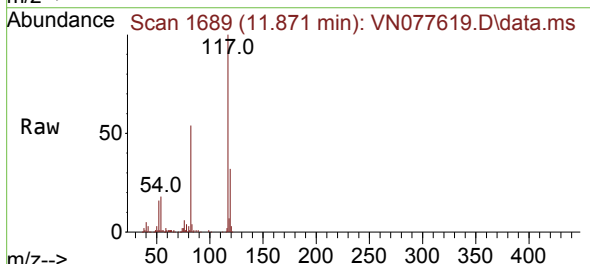
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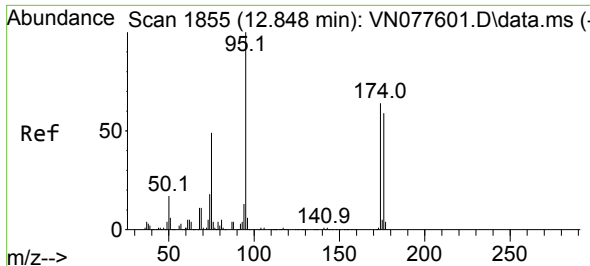
Tgt Ion:173 Resp: 827
Ion Ratio Lower Upper
173 100
175 1094.7 39.4 59.2#
254 0.0 5.8 8.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

Tgt Ion:117 Resp: 430801
Ion Ratio Lower Upper
117 100
82 56.0 47.4 71.2
119 32.6 26.6 39.8

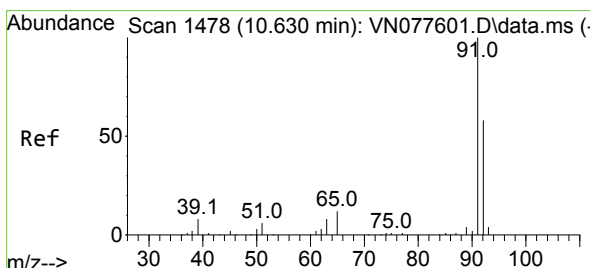
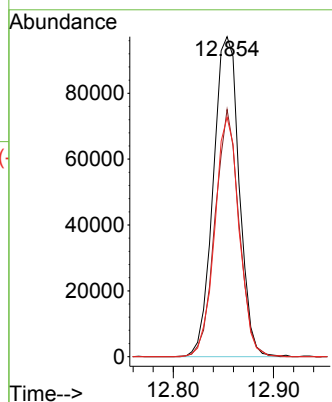
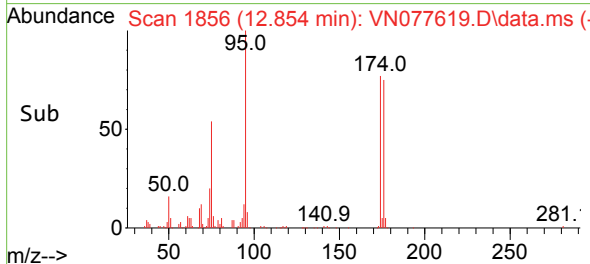
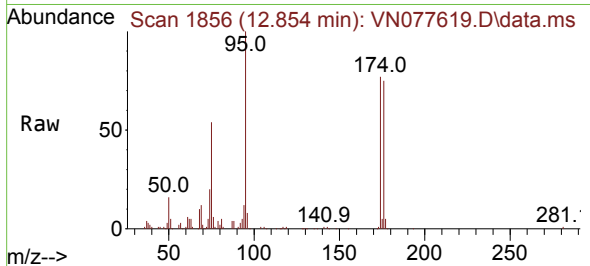




#60
4-Bromofluorobenzene
Concen: 25.431 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

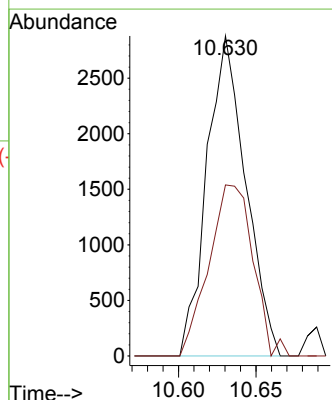
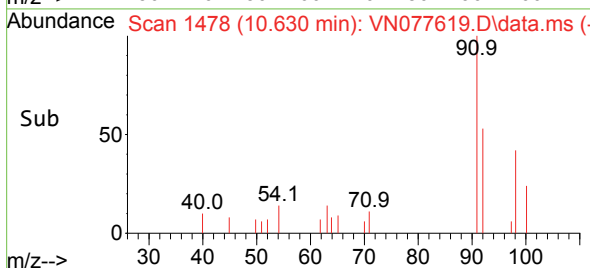
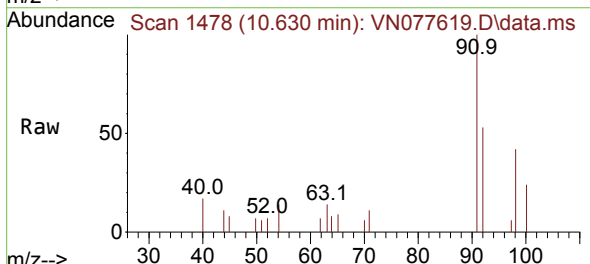
Instrument :
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TT-TB-20230504

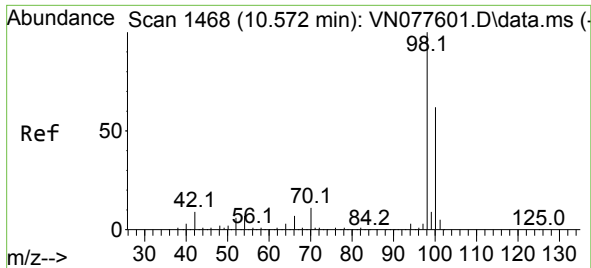
Tgt Ion: 95 Resp: 174202
Ion Ratio Lower Upper
95 100
174 71.5 53.4 80.0
176 70.6 50.0 75.0



#62
Toluene
Concen: 0.210 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

Tgt Ion: 91 Resp: 5011
Ion Ratio Lower Upper
91 100
92 59.7 47.0 70.6

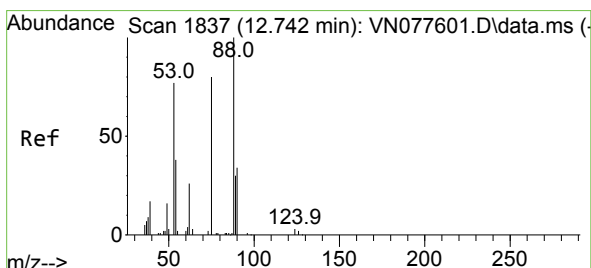
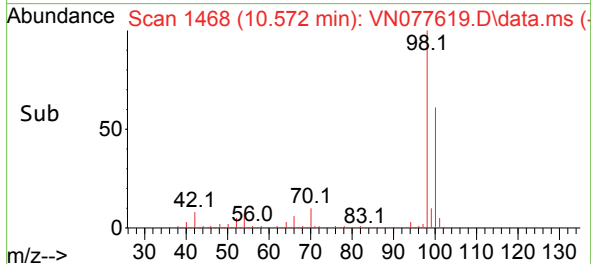
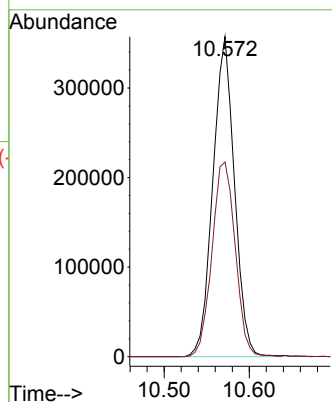
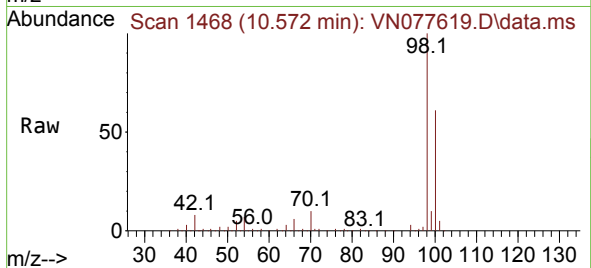




#63
Toluene-d8
Concen: 31.620 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20230504

Tgt Ion: 98 Resp: 629148
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#77
t-1,4-Dichloro-2-butene
Concen: 44.040 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077619.D
Acq: 08 May 2023 16:08

Tgt Ion: 75 Resp: 91112
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.7#
89 0.0 21.0 63.0#

