

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072510.D
 Acq On : 16 May 2022 18:57
 Operator : JC\MD
 Sample : N2804-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: May 17 07:19:57 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)

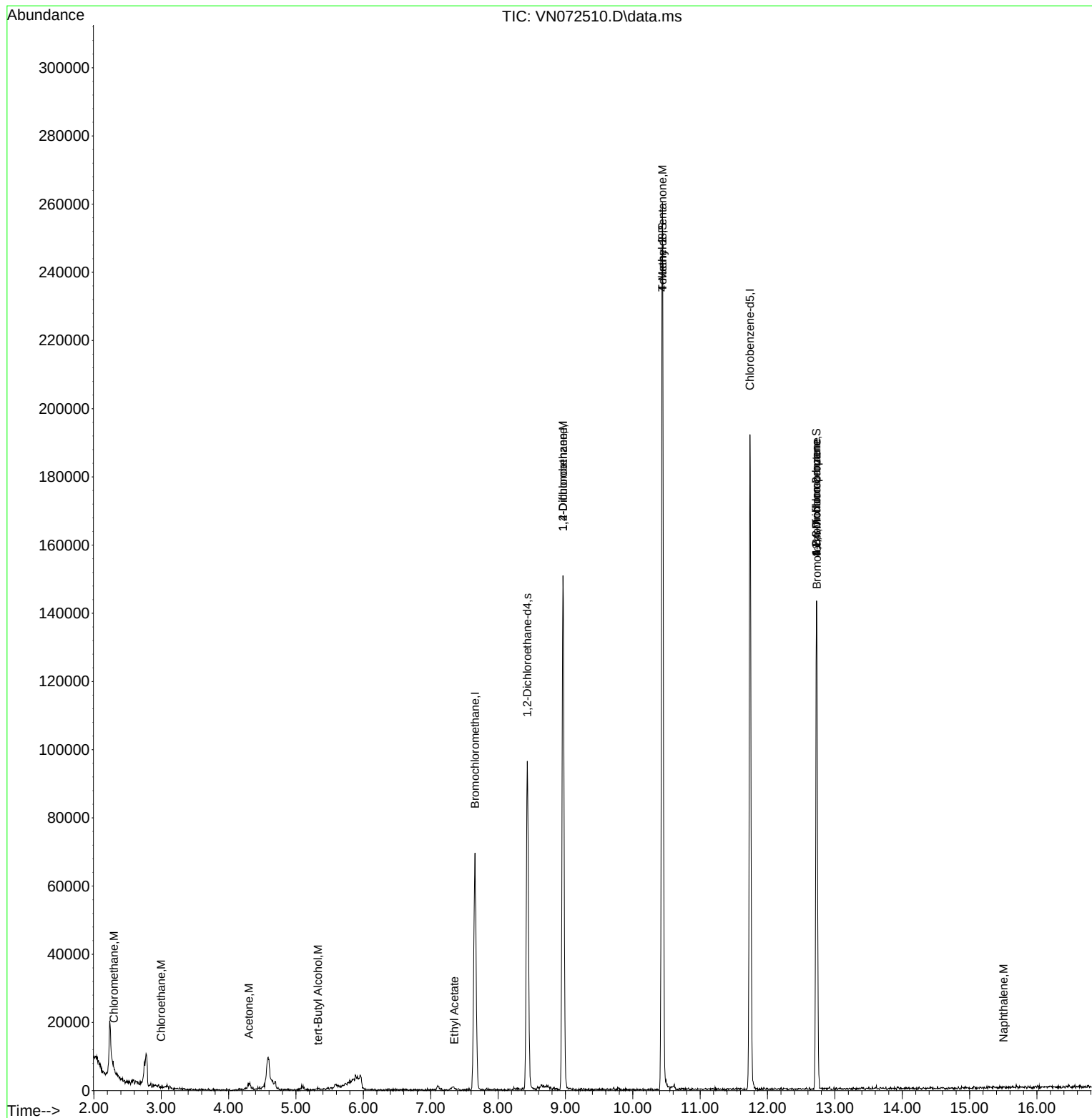
Internal Standards						
1) Bromochloromethane	7.657	128	25806	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	126932	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	105302	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	86543	29.803	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.333%		
60) 4-Bromofluorobenzene	12.727	95	49688	24.167	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	80.567%		
63) Toluene-d8	10.439	98	181231	31.529	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	105.100%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	411	0.212	ug/l #	40
6) Chloroethane	2.999	64	452	0.423	ug/l #	44
15) Acetone	4.298	58	446	1.519	ug/l #	1
23) tert-Butyl Alcohol	5.328	59	138	0.281	ug/l #	100
36) 1,2-Dichloroethane	8.963	62	5197	1.554	ug/l #	77
43) Ethyl Acetate	7.351	43	852	0.298	ug/l #	67
56) Bromoform	12.733	173	552	0.315	ug/l #	1
58) 4-Methyl-2-Pentanone	10.439	43	595	0.240	ug/l #	1
72) 1,2,3-Trichloropropane	12.727	75	27250	11.957	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	27250	36.186	ug/l #	8
91) Naphthalene	15.504	128	483	7.843	ug/l #	68

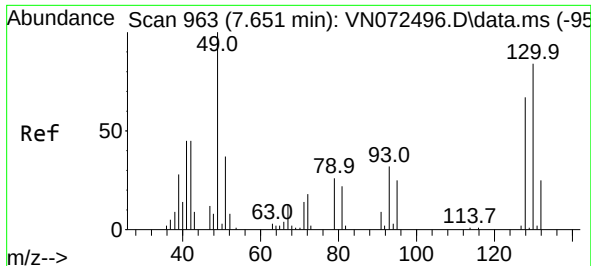
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
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Instrument :
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TB

Quant Time: May 17 07:19:57 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

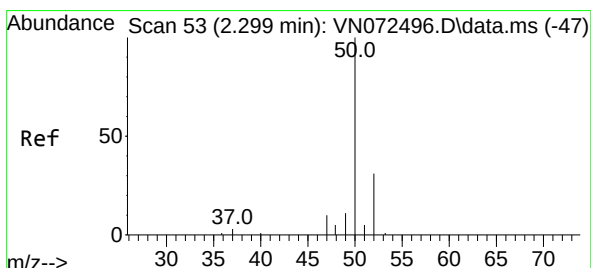
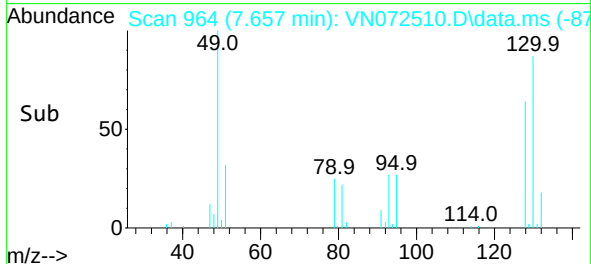
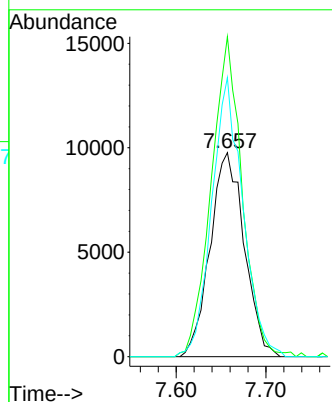
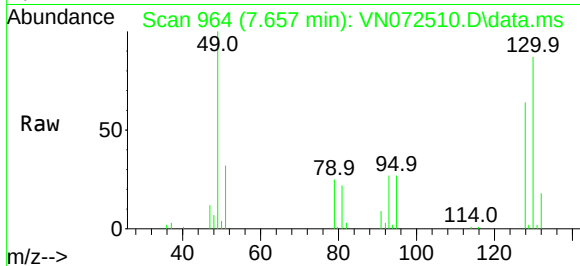




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

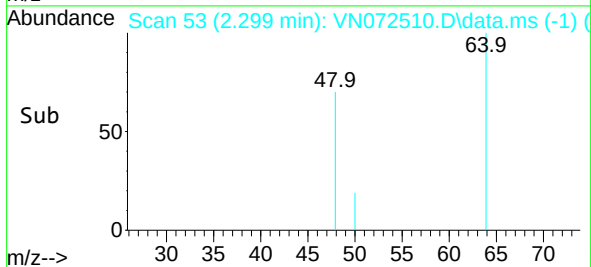
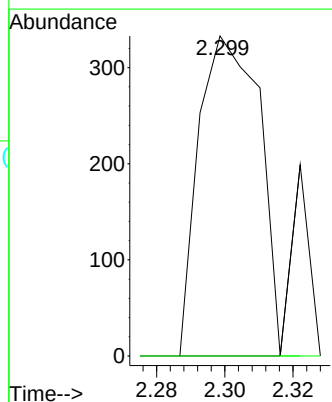
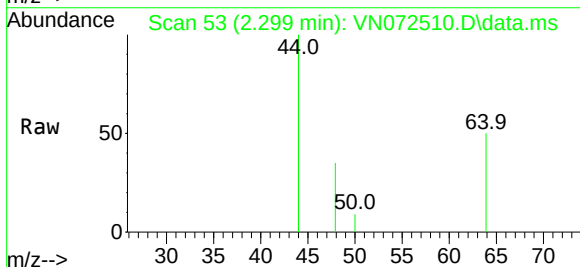
Instrument :
MSVOA_N
ClientSampleId :
TB

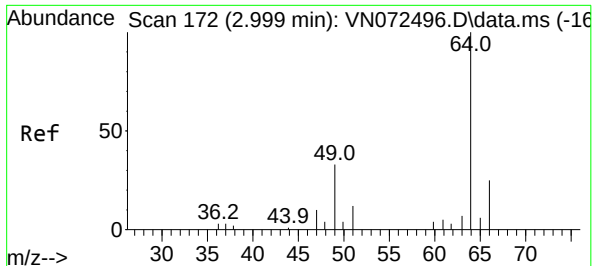
Tgt Ion:128 Resp: 25806
Ion Ratio Lower Upper
128 100
49 142.3 0.0 392.3
130 124.4 0.0 320.2



#3
Chloromethane
Concen: 0.212 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

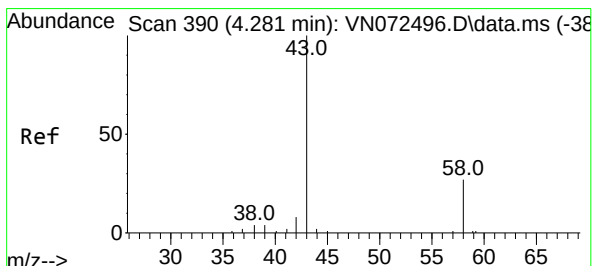
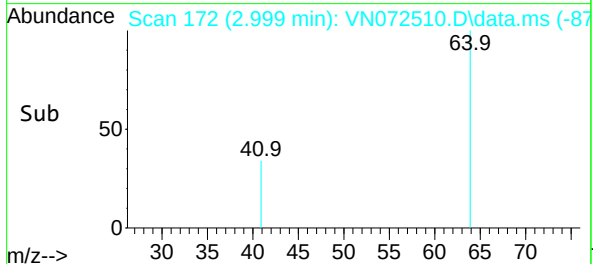
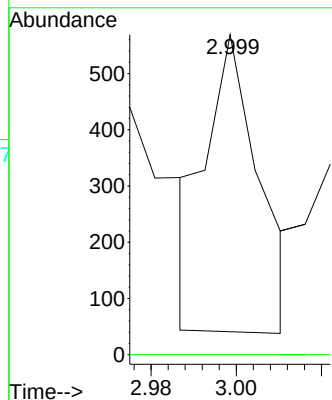
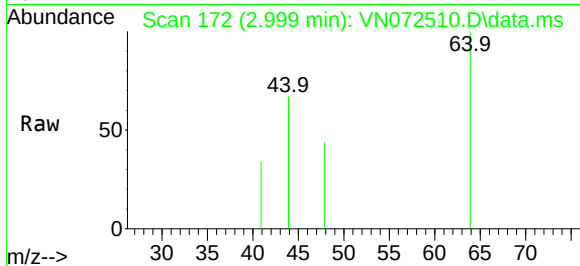




#6
Chloroethane
Concen: 0.423 ug/l
RT: 2.999 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

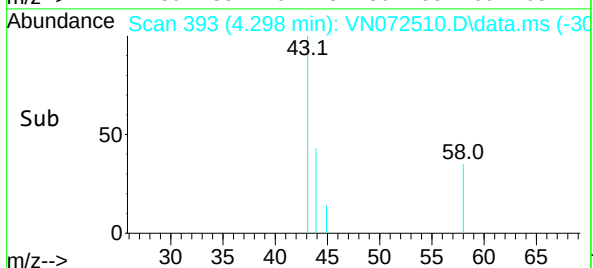
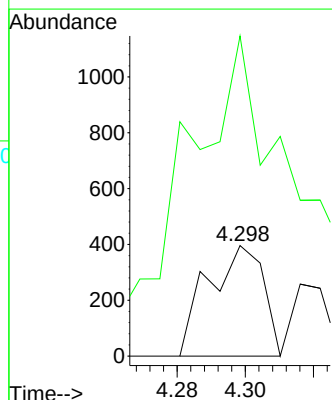
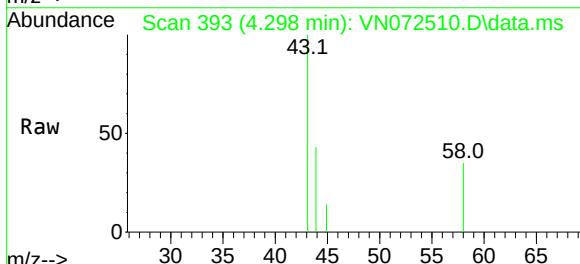
Instrument :
MSVOA_N
ClientSampleId :
TB

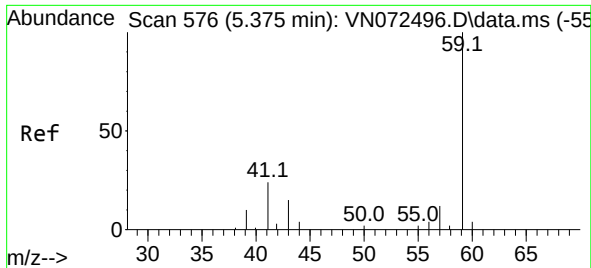
Tgt Ion: 64 Resp: 452
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#15
Acetone
Concen: 1.519 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.018 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

Tgt Ion: 58 Resp: 446
Ion Ratio Lower Upper
58 100
43 90.9 256.6 384.8#

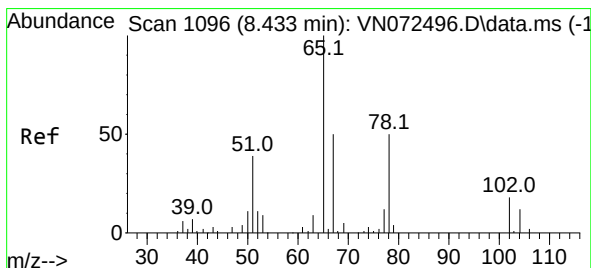
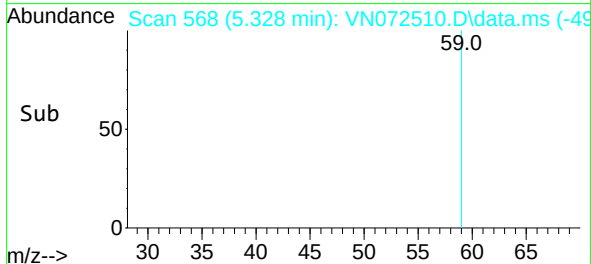
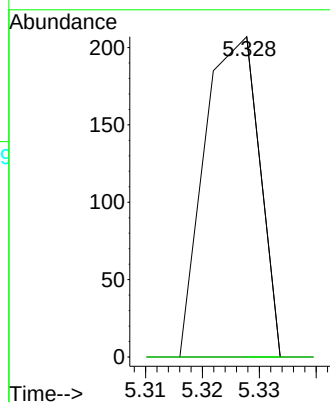
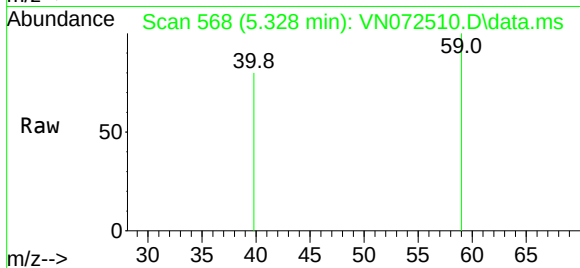




#23
tert-Butyl Alcohol
Concen: 0.281 ug/l
RT: 5.328 min Scan# 51
Delta R.T. -0.047 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

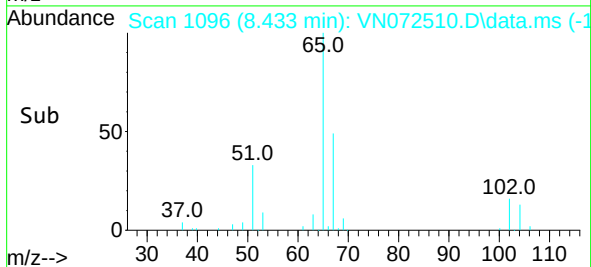
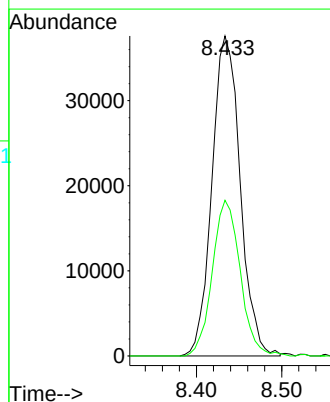
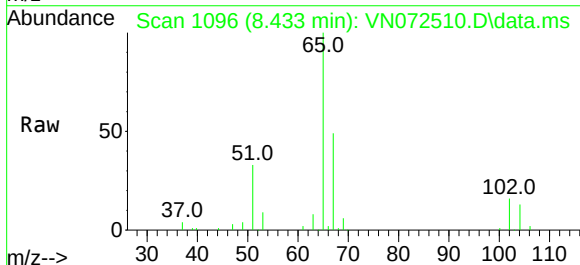
Instrument :
MSVOA_N
ClientSampleId :
TB

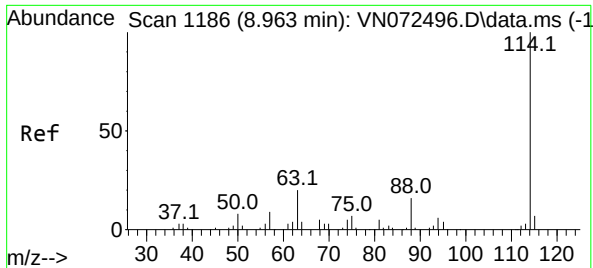
Tgt Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 29.803 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

Tgt Ion: 65 Resp: 86543
Ion Ratio Lower Upper
65 100
67 47.7 40.2 60.2

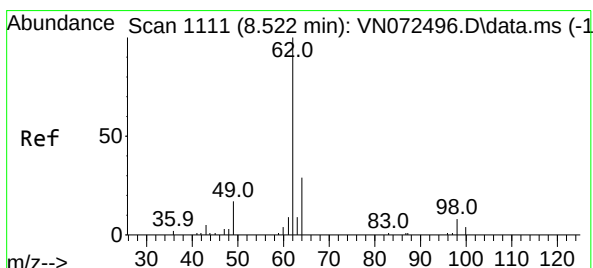
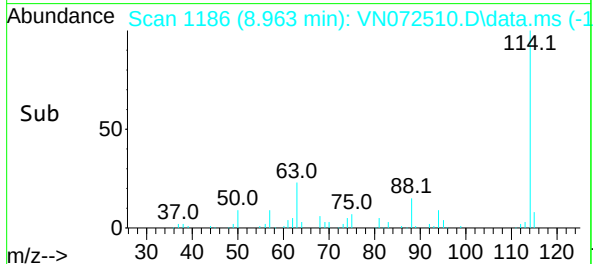
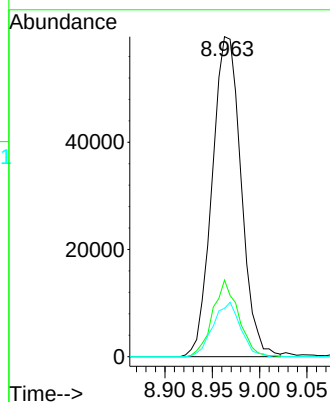
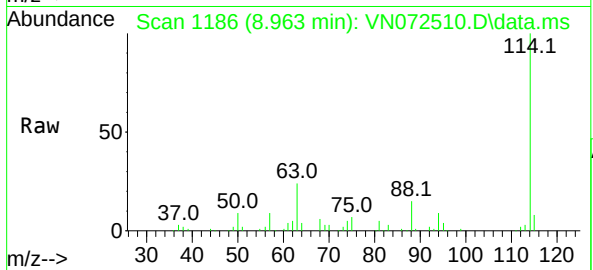




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

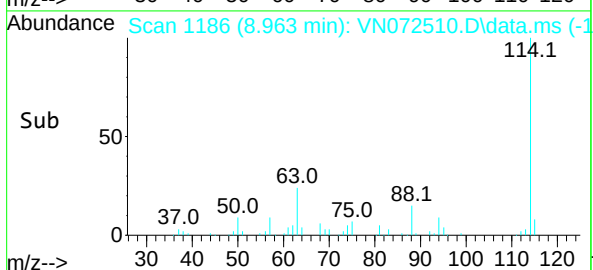
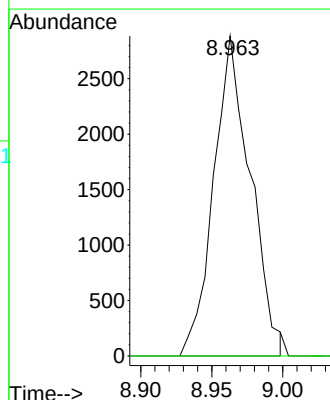
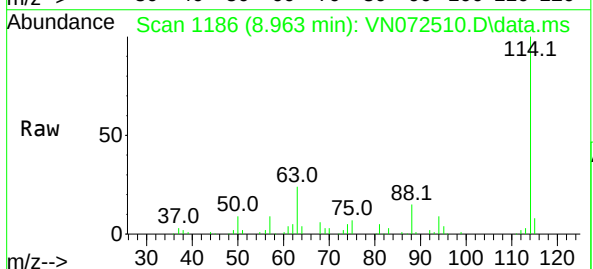
Instrument :
MSVOA_N
ClientSampleId :
TB

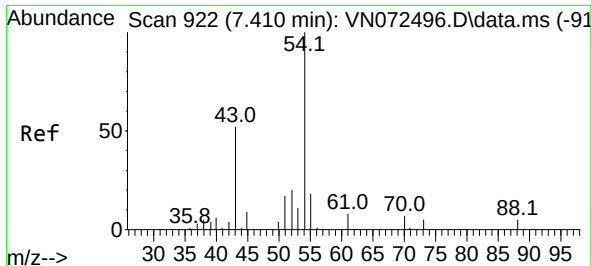
Tgt Ion:114 Resp: 126932
Ion Ratio Lower Upper
114 100
63 21.4 15.8 23.6
88 16.1 11.6 17.4



#36
1,2-Dichloroethane
Concen: 1.554 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.441 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

Tgt Ion: 62 Resp: 5197
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

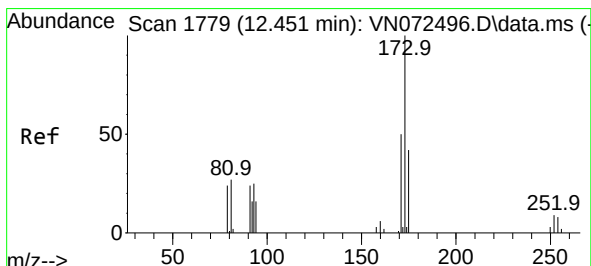
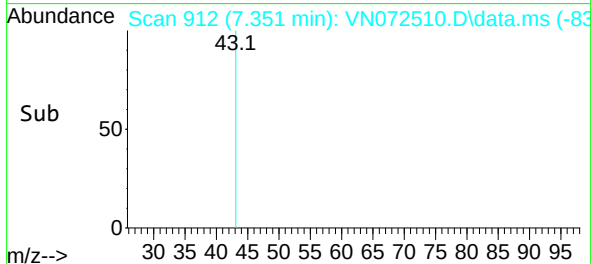
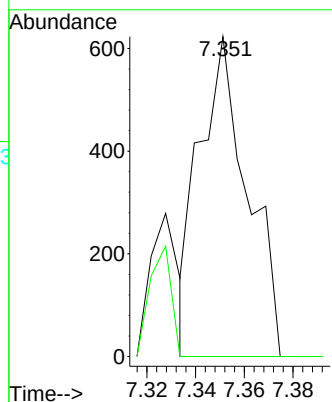
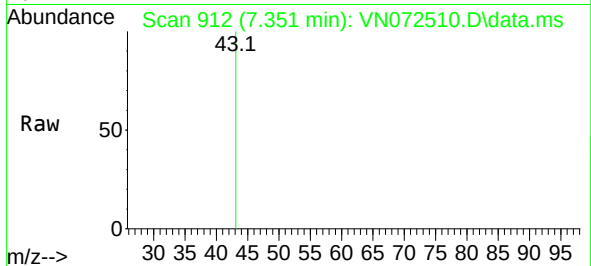




#43
Ethyl Acetate
Concen: 0.298 ug/l
RT: 7.351 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

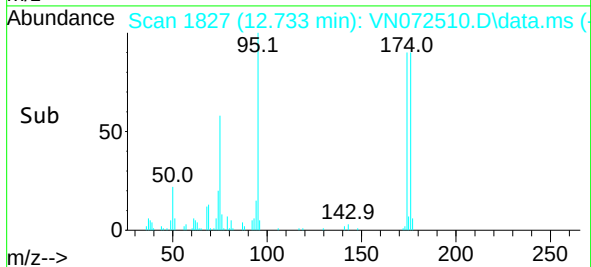
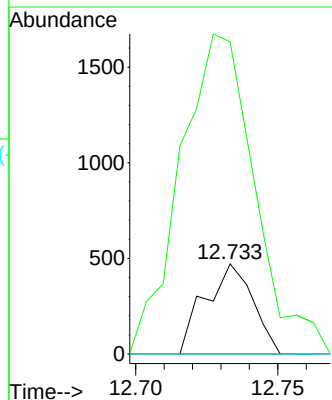
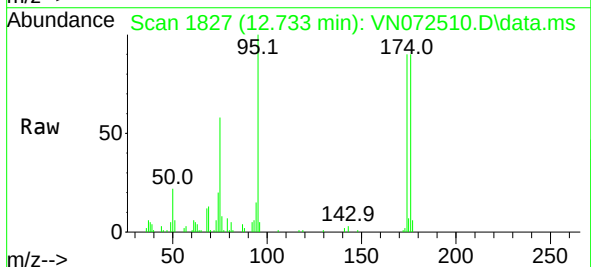
Instrument :
MSVOA_N
ClientSampleId :
TB

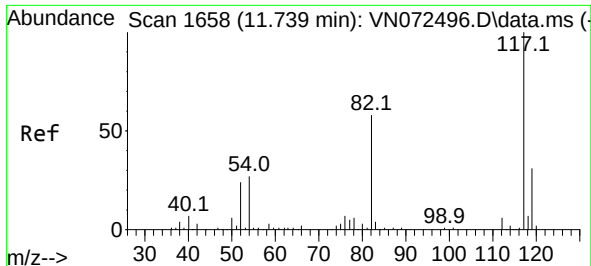
Tgt Ion: 43 Resp: 852
Ion Ratio Lower Upper
43 100
45 0.0 10.6 16.0#



#56
Bromoform
Concen: 0.315 ug/l
RT: 12.733 min Scan# 1827
Delta R.T. 0.282 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

Tgt Ion: 173 Resp: 552
Ion Ratio Lower Upper
173 100
175 528.8 38.6 58.0#
254 0.0 0.0 0.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN072510.D

Acq: 16 May 2022 18:57

Instrument :

MSVOA_N

ClientSampleId :

TB

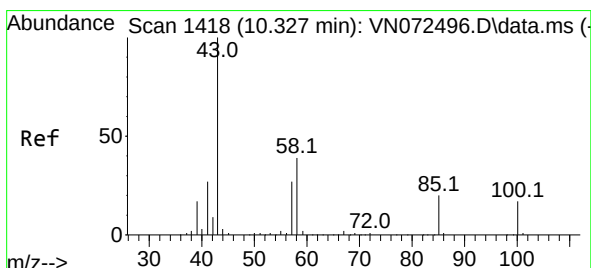
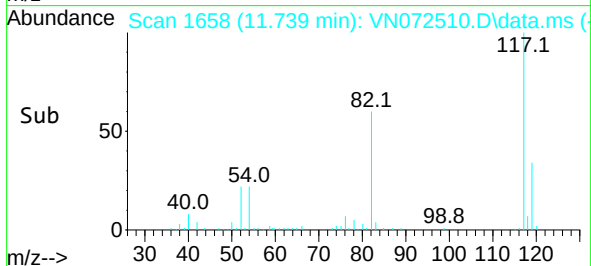
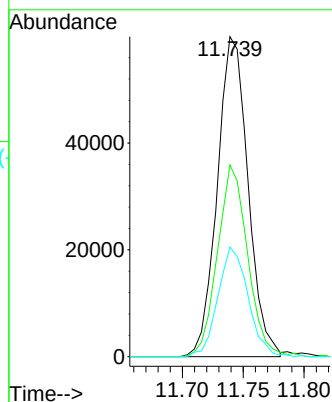
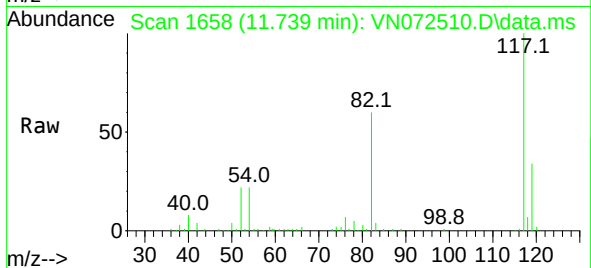
Tgt Ion:117 Resp: 105302

Ion Ratio Lower Upper

117 100

82 58.8 43.6 65.4

119 33.6 25.8 38.6



#58

4-Methyl-2-Pentanone

Concen: 0.240 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.112 min

Lab File: VN072510.D

Acq: 16 May 2022 18:57

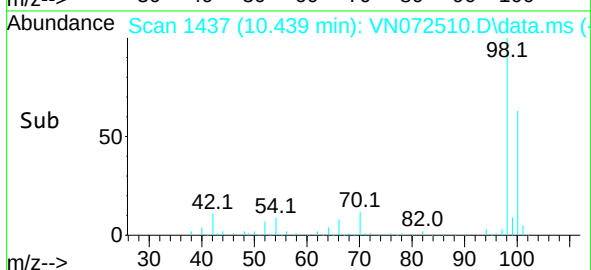
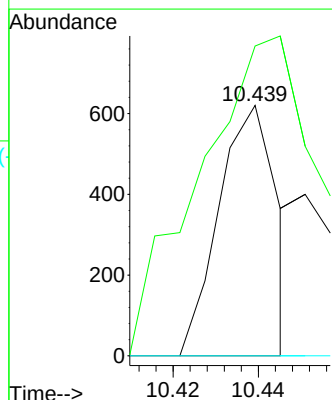
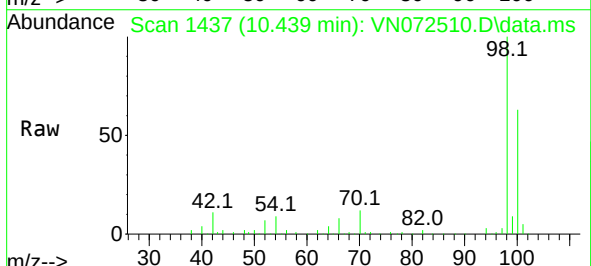
Tgt Ion: 43 Resp: 595

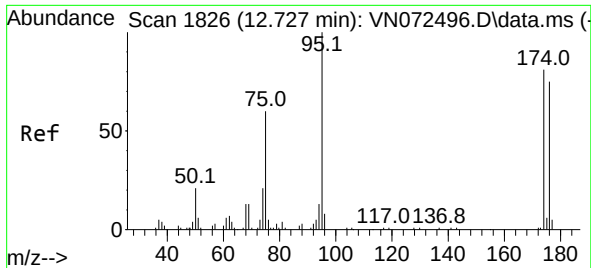
Ion Ratio Lower Upper

43 100

58 246.1 30.0 45.0#

85 0.0 15.0 22.6#

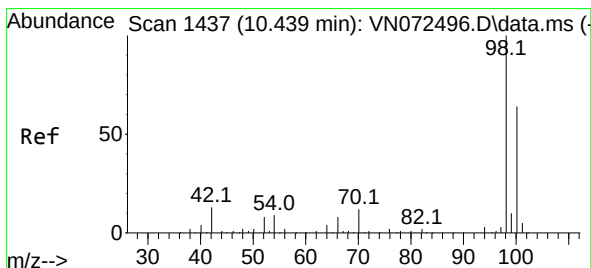
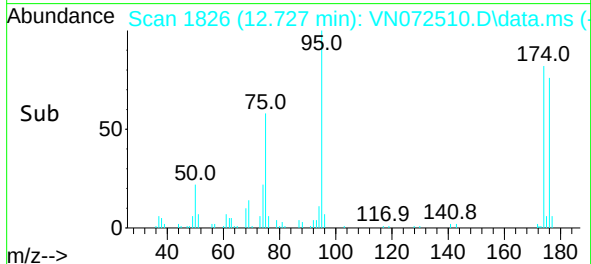
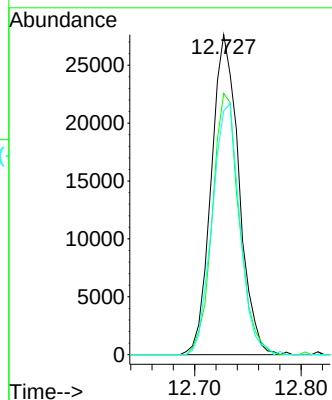
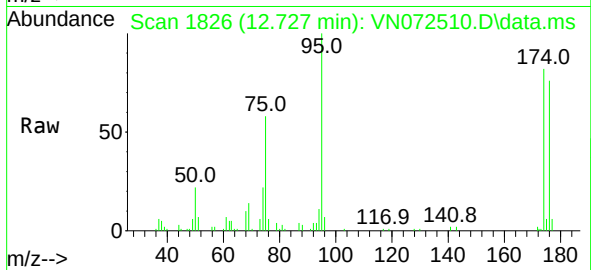




#60
4-Bromofluorobenzene
Concen: 24.167 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

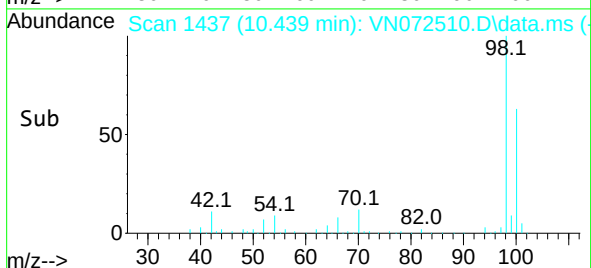
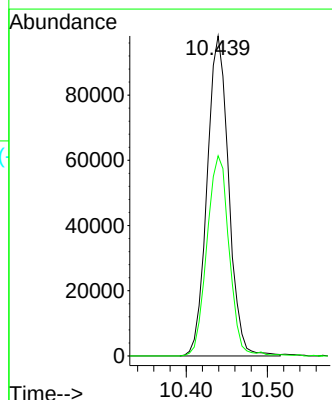
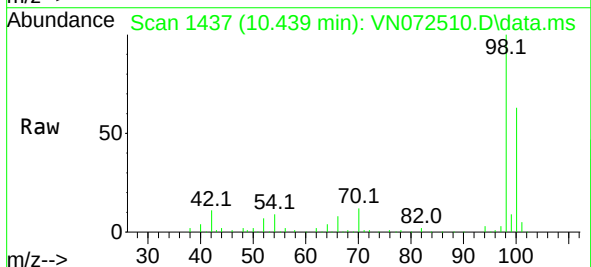
Instrument :
MSVOA_N
ClientSampleId :
TB

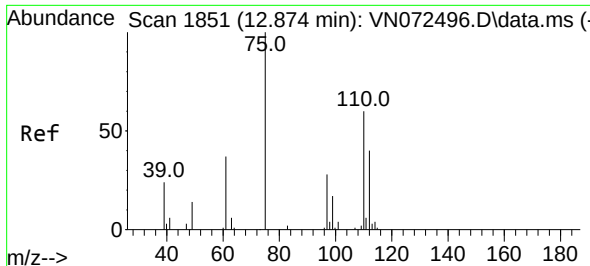
Tgt Ion: 95 Resp: 49688
Ion Ratio Lower Upper
95 100
174 79.3 62.9 94.3
176 78.0 61.0 91.4



#63
Toluene-d8
Concen: 31.529 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

Tgt Ion: 98 Resp: 181231
Ion Ratio Lower Upper
98 100
100 63.7 50.6 76.0

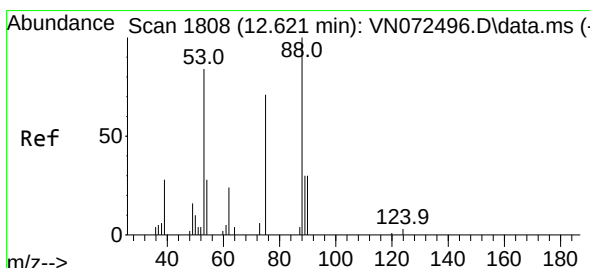
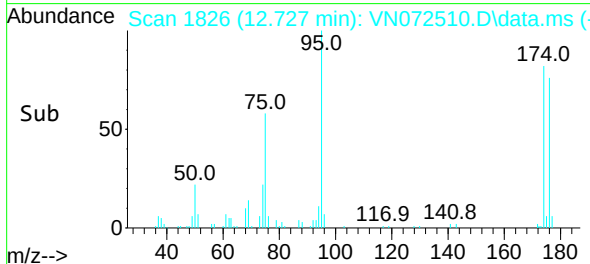
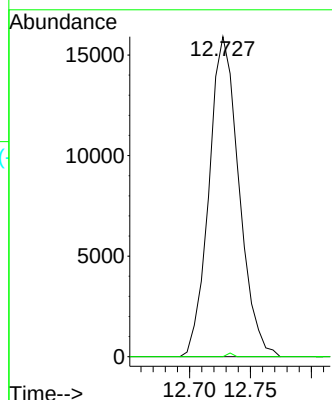
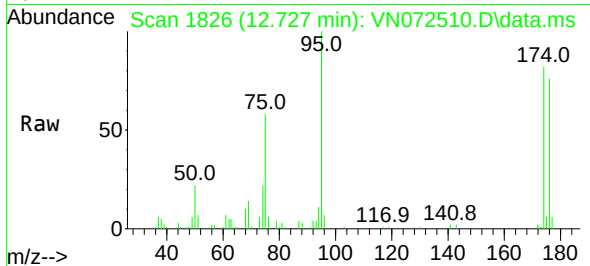




#72
1,2,3-Trichloropropane
Concen: 11.957 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

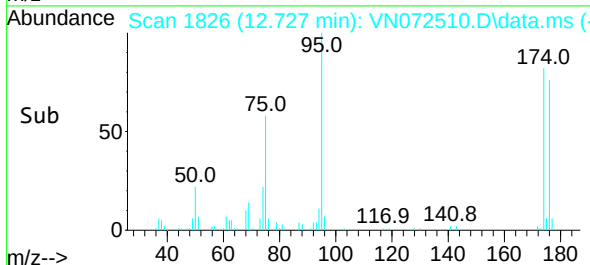
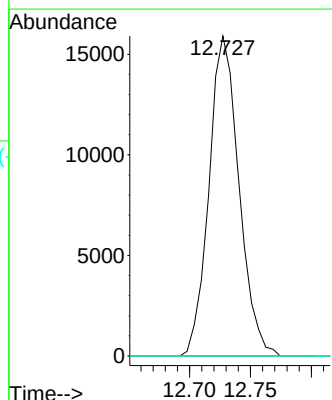
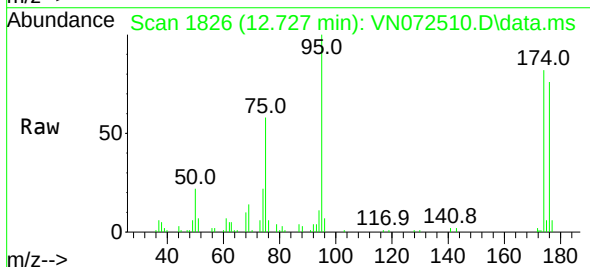
Instrument :
MSVOA_N
ClientSampleId :
TB

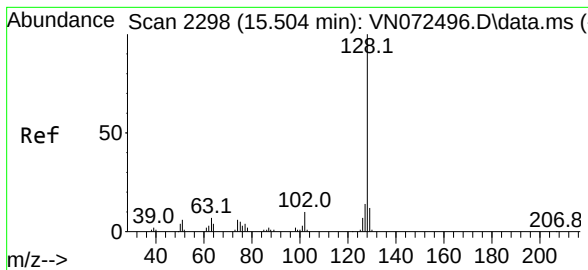
Tgt Ion: 75 Resp: 27250
Ion Ratio Lower Upper
75 100
77 0.0 0.0 378.0



#77
t-1,4-Dichloro-2-butene
Concen: 36.186 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

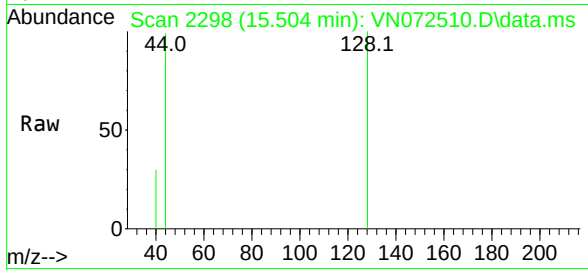
Tgt Ion: 75 Resp: 27250
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 7.843 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072510.D
Acq: 16 May 2022 18:57

Instrument :
MSVOA_N
ClientSampleId :
TB



Tgt Ion:	128	Resp:	483
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	9.0	13.6#

