

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072512.D
 Acq On : 16 May 2022 19:45
 Operator : JC\MD
 Sample : N2838-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-044-IDWGW-20220511

Quant Time: May 17 07:20:20 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)

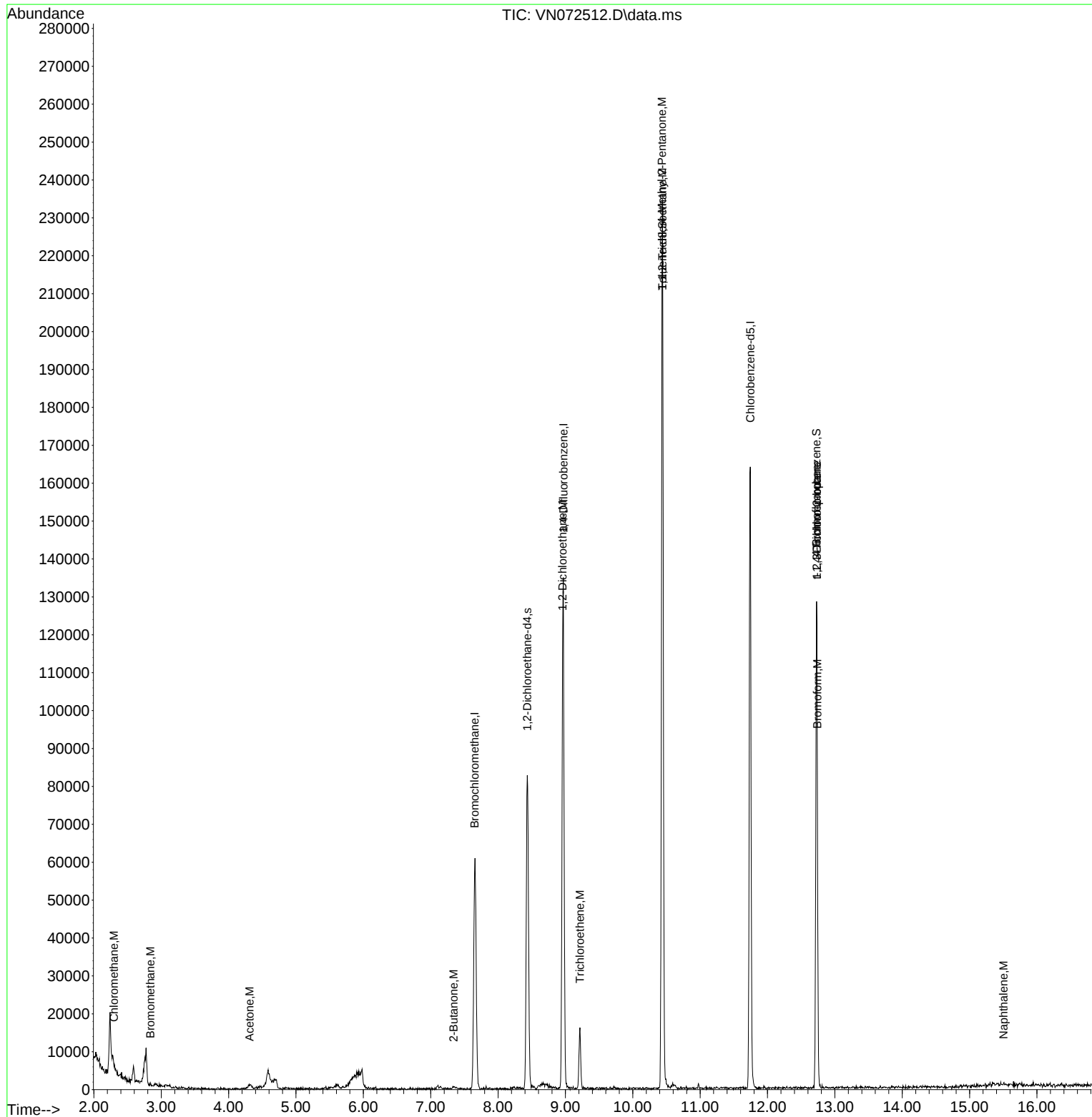
Internal Standards						
1) Bromochloromethane	7.651	128	21443	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.969	114	109883	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	94001	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	77765	32.229	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.433%	
60) 4-Bromofluorobenzene	12.727	95	43759	23.842	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 79.467%	
63) Toluene-d8	10.439	98	160714	31.321	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	646	0.402	ug/l #	40
5) Bromomethane	2.840	94	277	0.251	ug/l	86
15) Acetone	4.310	58	138	0.566	ug/l #	1
30) 2-Butanone	7.340	43	1032	0.815	ug/l #	53
36) 1,2-Dichloroethane	8.957	62	2446	0.845	ug/l #	77
37) Trichloroethene	9.216	130	5267	3.122	ug/l	95
50) 1,1,2-Trichloroethane	10.439	97	5839	3.501	ug/l #	1
56) Bromoform	12.739	173	304	0.200	ug/l #	1
58) 4-Methyl-2-Pentanone	10.433	43	763	0.344	ug/l #	44
72) 1,2,3-Trichloropropane	12.733	75	25947	12.754	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.733	75	25947	38.599	ug/l #	8
91) Naphthalene	15.504	128	325	7.823	ug/l #	68

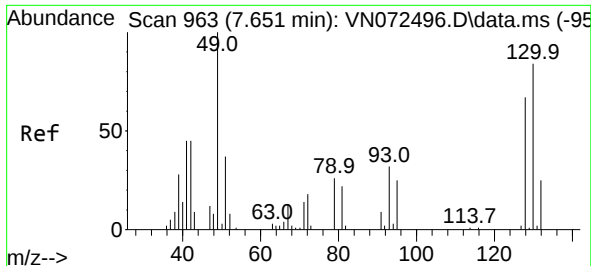
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
Data File : VN072512.D
Acq On : 16 May 2022 19:45
Operator : JC\MD
Sample : N2838-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-044-IDWGW-20220511

Quant Time: May 17 07:20:20 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

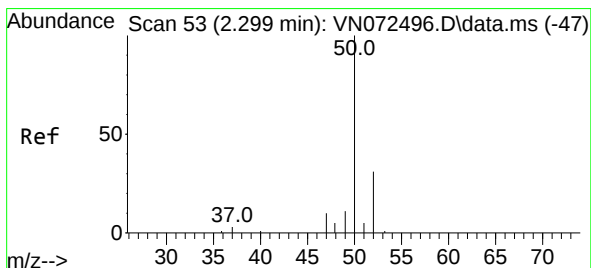
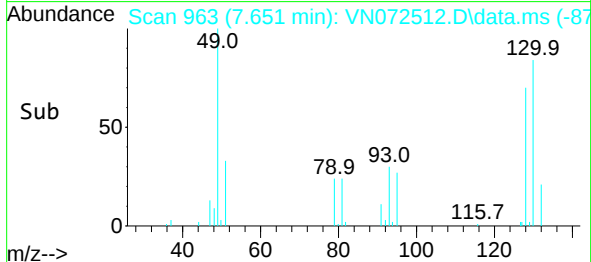
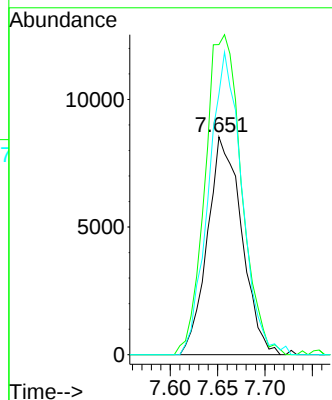
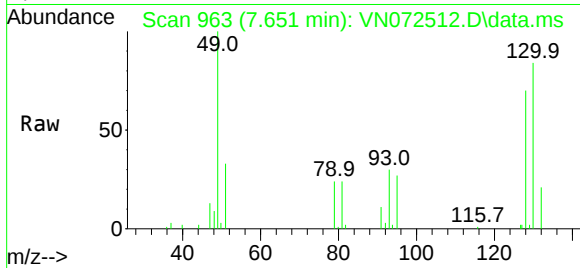




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

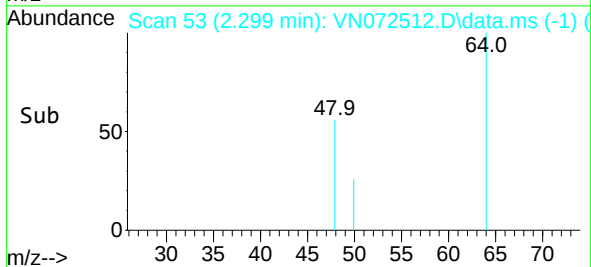
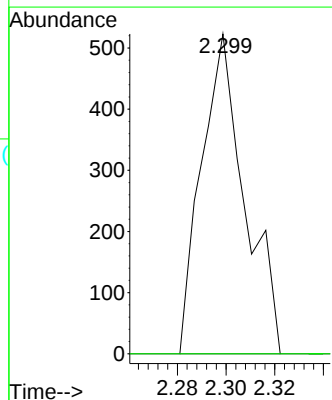
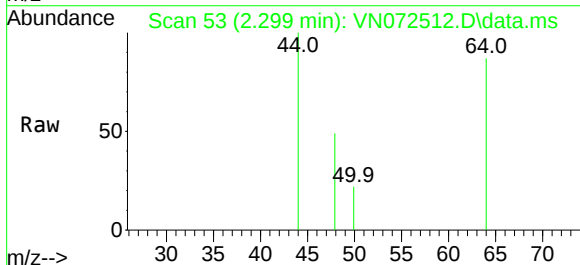
Instrument :
MSVOA_N
ClientSampleId :
TT-044-IDWGW-20220511

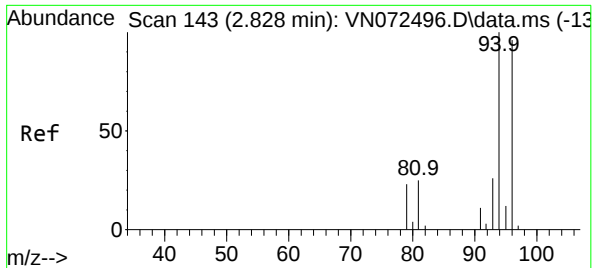
Tgt Ion:	128	Resp:	21443
Ion	Ratio	Lower	Upper
128	100		
49	155.9	0.0	392.3
130	135.6	0.0	320.2



#3
Chloromethane
Concen: 0.402 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

Tgt Ion:	50	Resp:	646
Ion	Ratio	Lower	Upper
50	100		
52	0.0	27.8	41.6

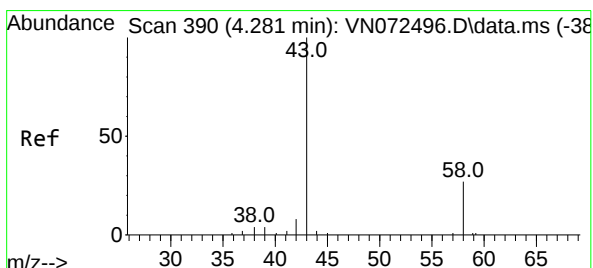
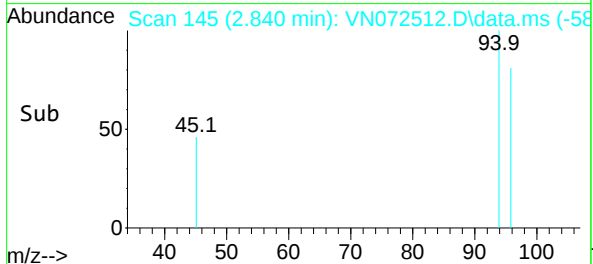
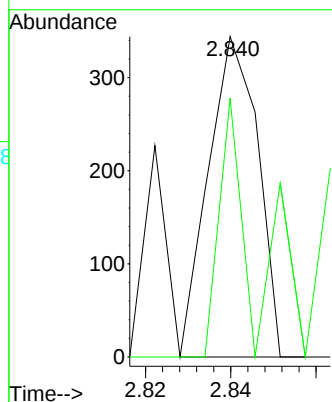
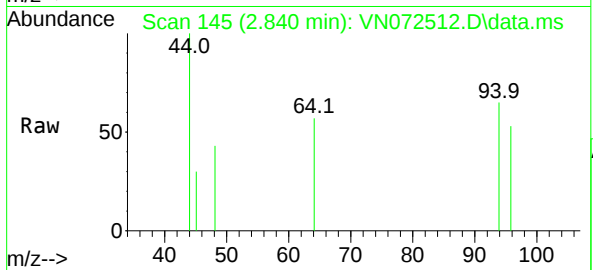




#5
Bromomethane
Concen: 0.251 ug/l
RT: 2.840 min Scan# 14
Delta R.T. 0.012 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

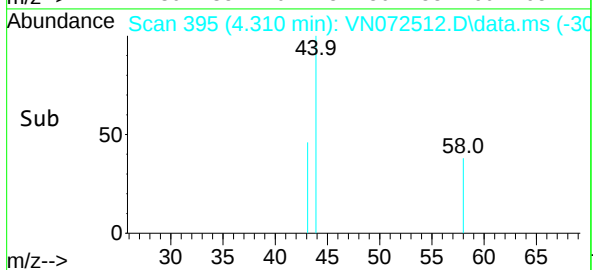
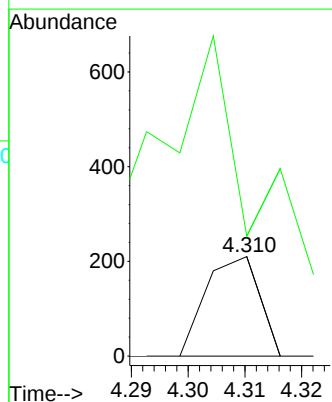
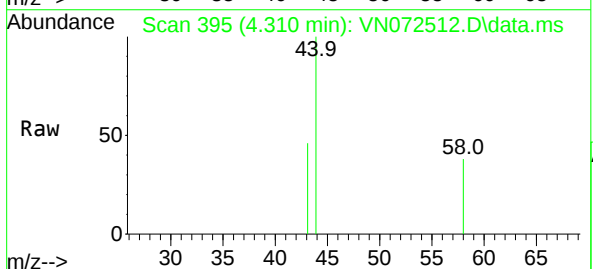
Instrument :
MSVOA_N
ClientSampleId :
TT-044-IDWGW-20220511

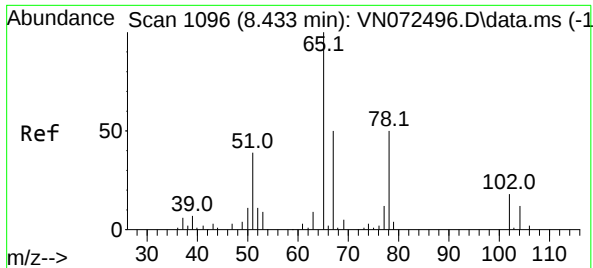
Tgt Ion: 94 Resp: 277
Ion Ratio Lower Upper
94 100
96 80.8 75.2 112.8



#15
Acetone
Concen: 0.566 ug/l
RT: 4.310 min Scan# 395
Delta R.T. 0.030 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

Tgt Ion: 58 Resp: 138
Ion Ratio Lower Upper
58 100
43 0.0 256.6 384.8#

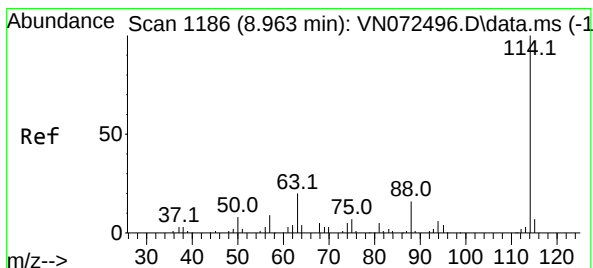
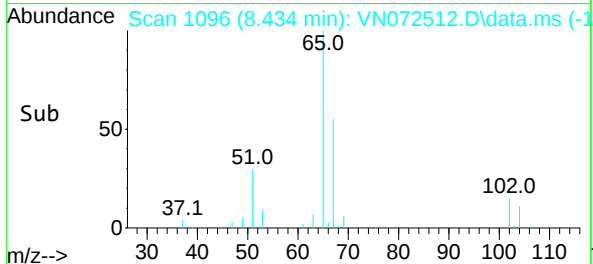
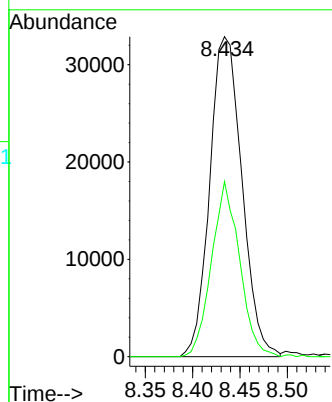
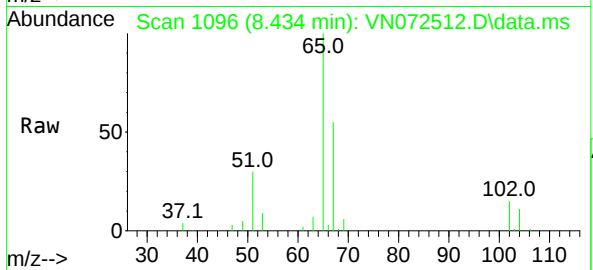




#27
1,2-Dichloroethane-d4
Concen: 32.229 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

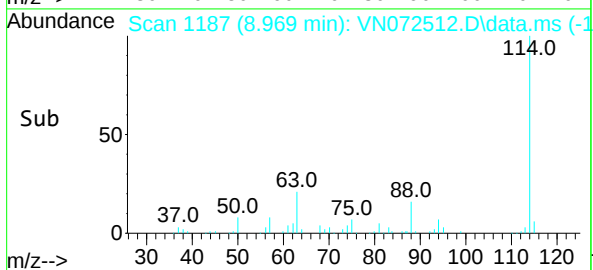
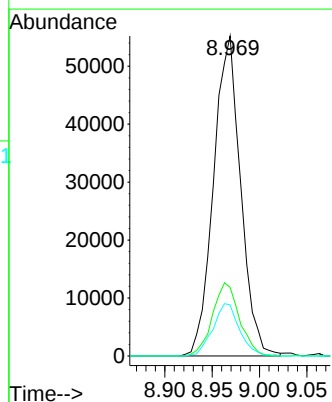
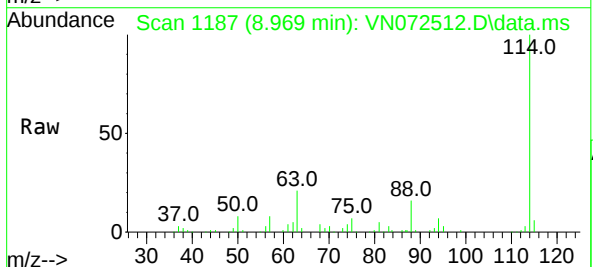
Instrument :
MSVOA_N
ClientSampleId :
TT-044-IDWGW-20220511

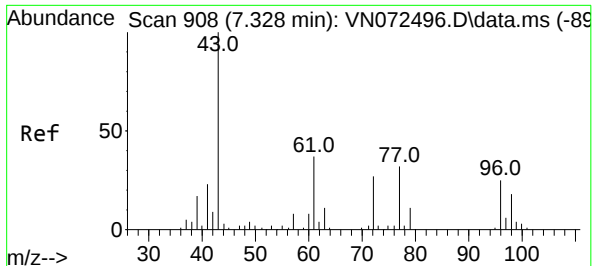
Tgt Ion: 65 Resp: 77765
Ion Ratio Lower Upper
65 100
67 47.6 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

Tgt Ion: 114 Resp: 109883
Ion Ratio Lower Upper
114 100
63 22.7 15.8 23.6
88 16.0 11.6 17.4





#30

2-Butanone

Concen: 0.815 ug/l

RT: 7.340 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN072512.D

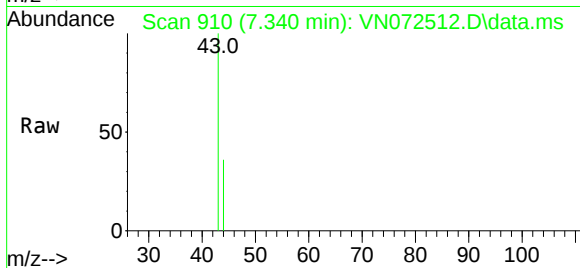
Acq: 16 May 2022 19:45

Instrument :

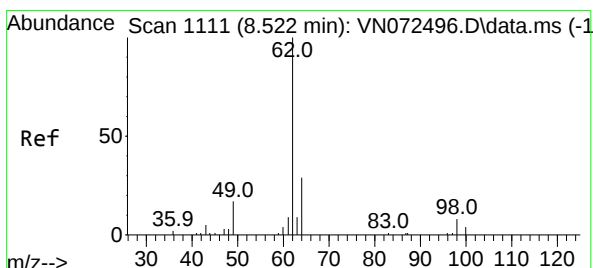
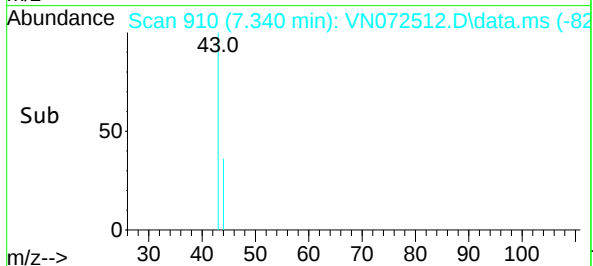
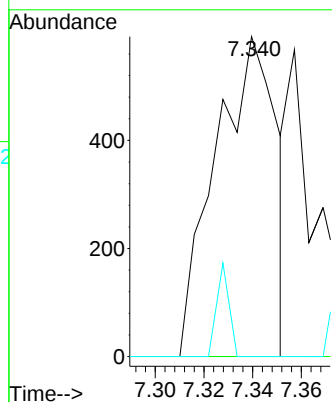
MSVOA_N

ClientSampleId :

TT-044-IDWGW-20220511



Tgt Ion: 43	Resp: 1032
Ion Ratio	Lower Upper
43	100
57	0.0 6.7 10.1#
72	0.0 23.2 34.8#



#36

1,2-Dichloroethane

Concen: 0.845 ug/l

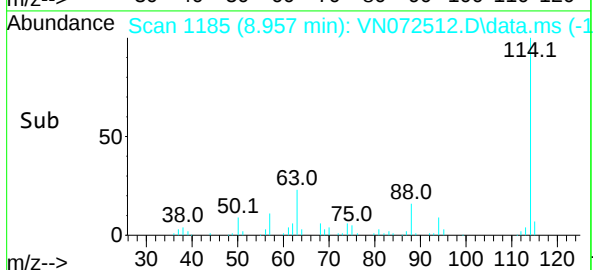
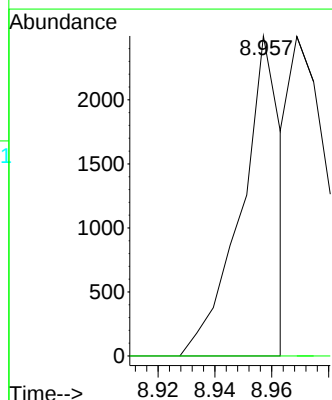
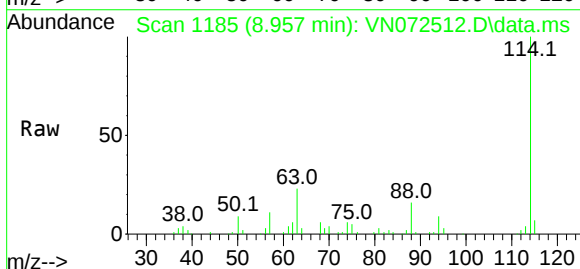
RT: 8.957 min Scan# 1185

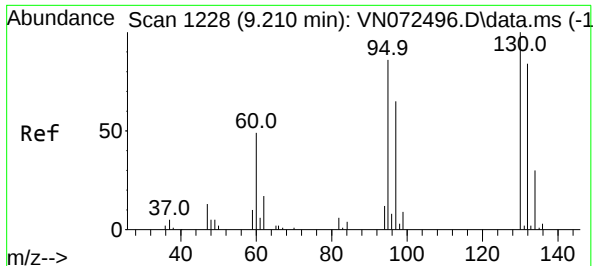
Delta R.T. 0.435 min

Lab File: VN072512.D

Acq: 16 May 2022 19:45

Tgt Ion: 62	Resp: 2446
Ion Ratio	Lower Upper
62	100
98	0.0 6.6 10.0#





#37

Trichloroethene

Concen: 3.122 ug/l

RT: 9.216 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN072512.D

Acq: 16 May 2022 19:45

Instrument :

MSVOA_N

ClientSampleId :

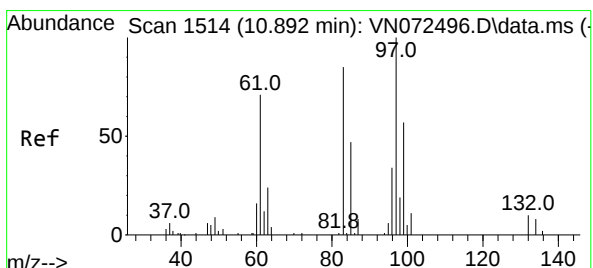
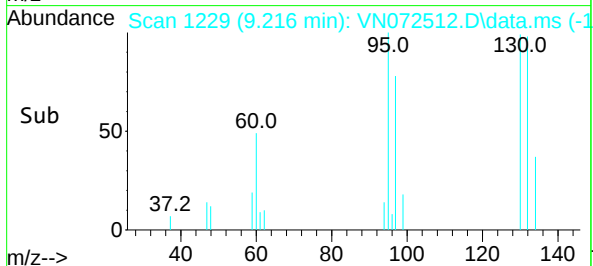
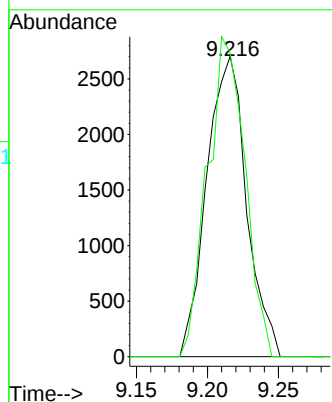
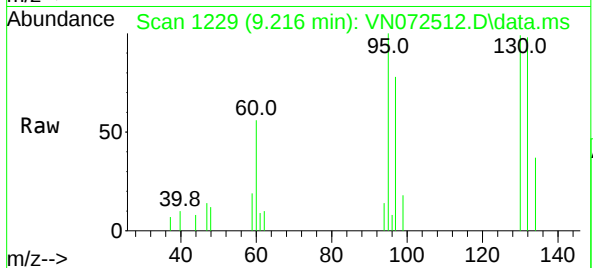
TT-044-IDWGW-20220511

Tgt Ion:130 Resp: 5267

Ion Ratio Lower Upper

130 100

95 101.1 76.6 115.0



#50

1,1,2-Trichloroethane

Concen: 3.501 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. -0.453 min

Lab File: VN072512.D

Acq: 16 May 2022 19:45

Tgt Ion: 97 Resp: 5839

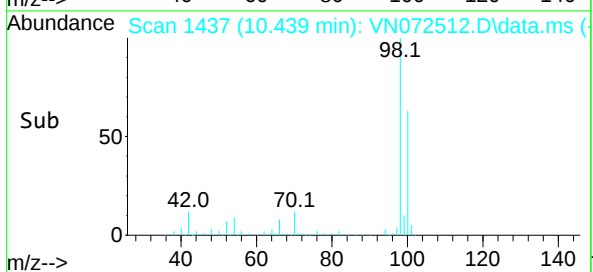
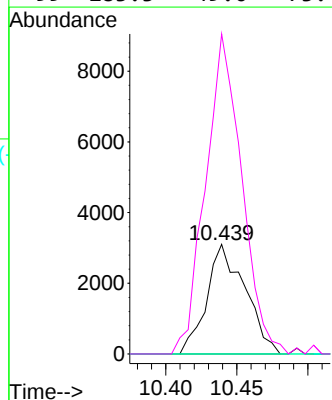
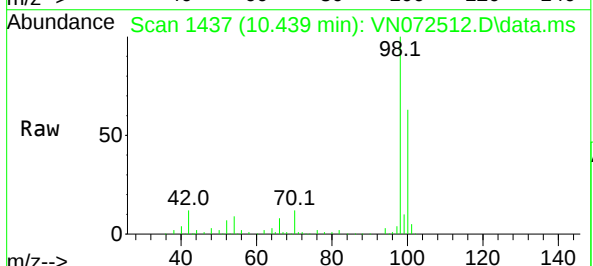
Ion Ratio Lower Upper

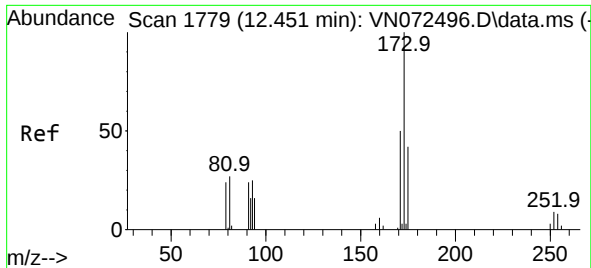
97 100

83 0.0 67.2 100.8#

85 0.0 43.0 64.4#

99 283.3 49.0 73.4#

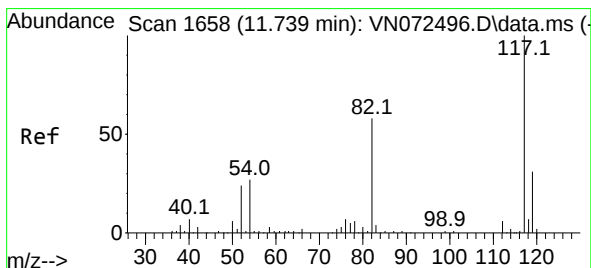
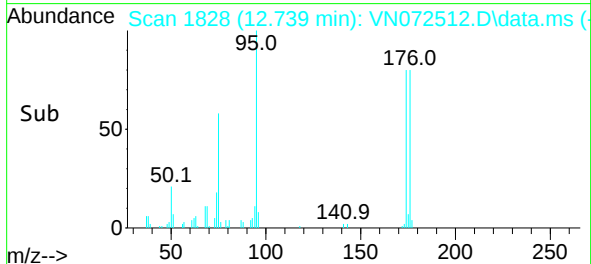
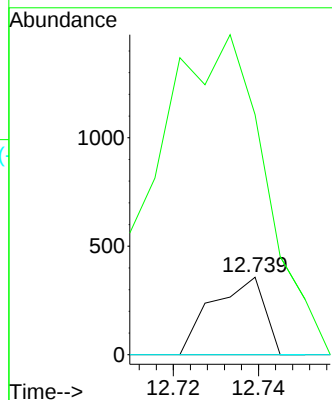
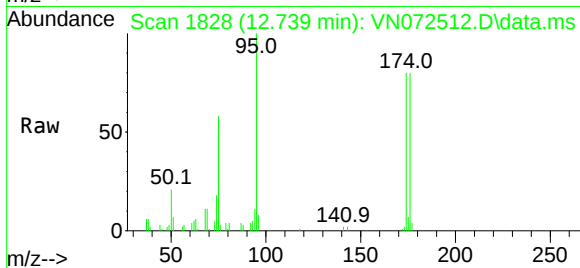




#56
Bromoform
Concen: 0.200 ug/l
RT: 12.739 min Scan# 1779
Delta R.T. 0.288 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

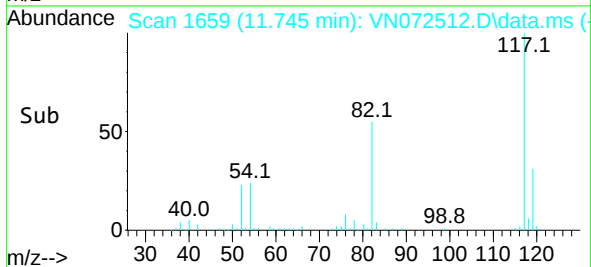
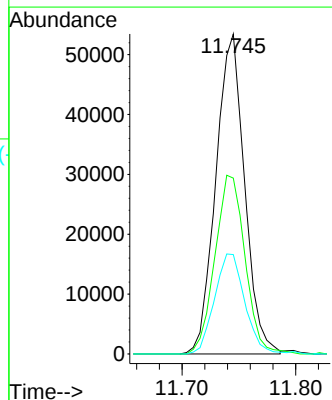
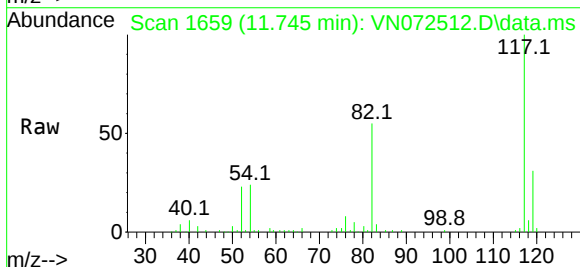
Instrument :
MSVOA_N
ClientSampleId :
TT-044-IDWGW-20220511

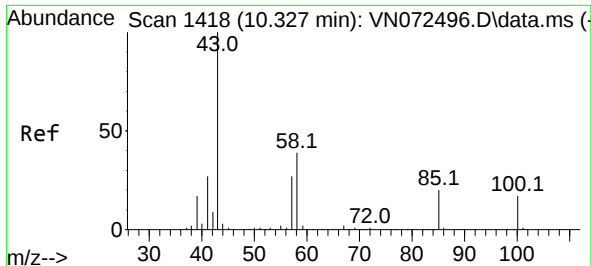
Tgt Ion:173 Resp: 304
Ion Ratio Lower Upper
173 100
175 844.7 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

Tgt Ion:117 Resp: 94001
Ion Ratio Lower Upper
117 100
82 58.4 43.6 65.4
119 32.8 25.8 38.6

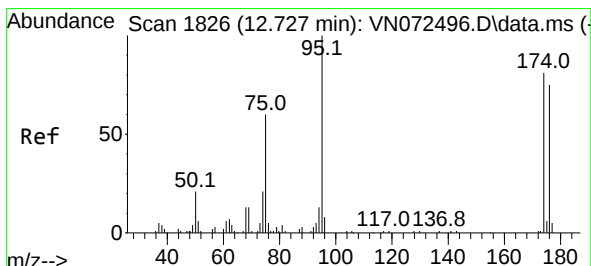
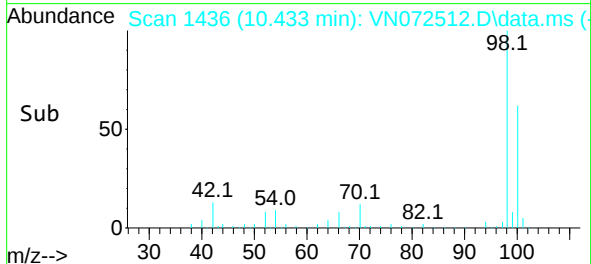
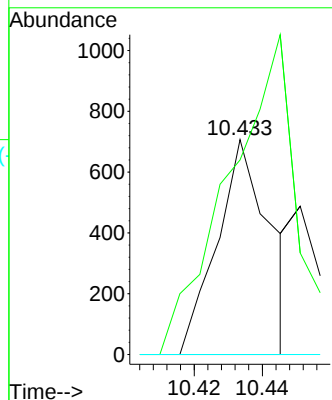
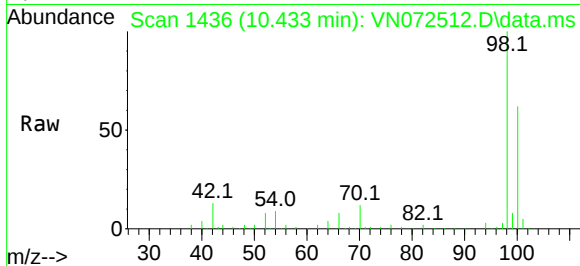




#58
4-Methyl-2-Pentanone
Concen: 0.344 ug/l
RT: 10.433 min Scan# 1418
Delta R.T. 0.106 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

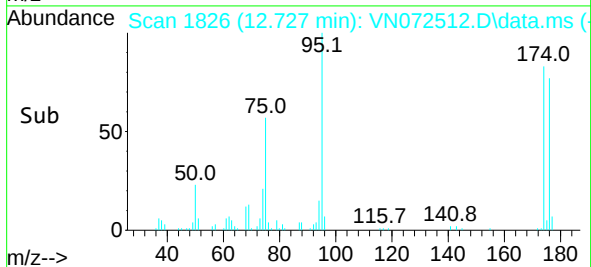
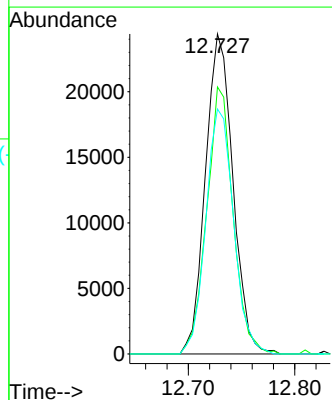
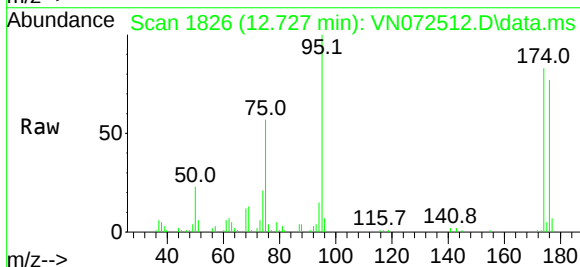
Instrument :
MSVOA_N
ClientSampleId :
TT-044-IDWGW-20220511

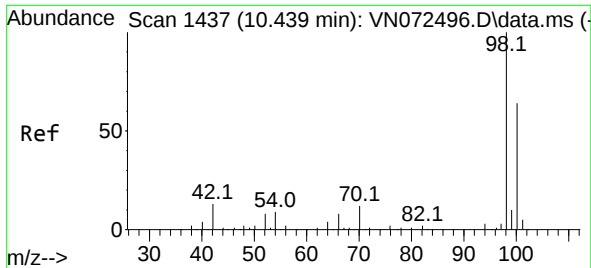
Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
58 0.0 30.0 45.0#
85 0.0 15.0 22.6#



#60
4-Bromofluorobenzene
Concen: 23.842 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

Tgt Ion: 95 Resp: 43759
Ion Ratio Lower Upper
95 100
174 80.1 62.9 94.3
176 77.4 61.0 91.4

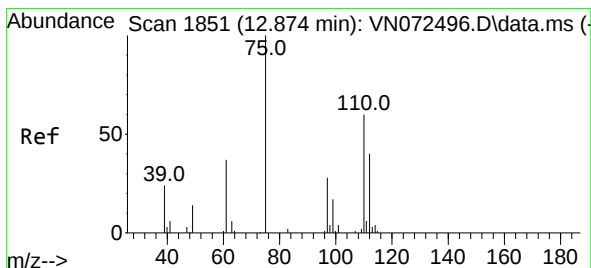
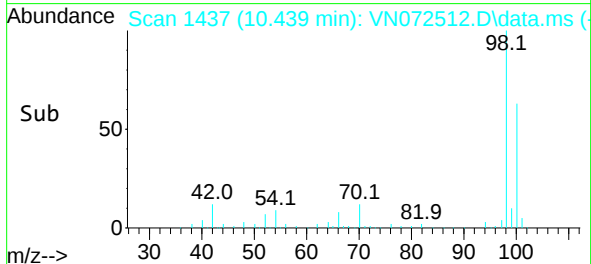
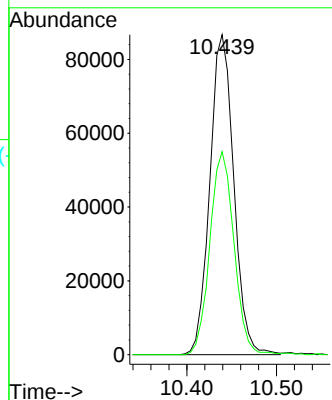
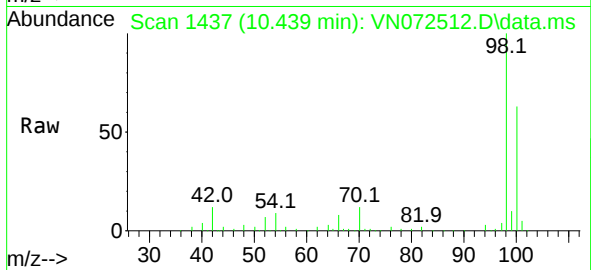




#63
Toluene-d8
Concen: 31.321 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

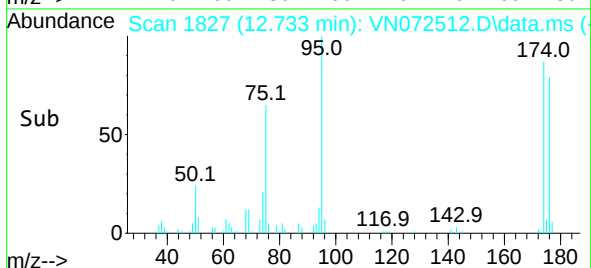
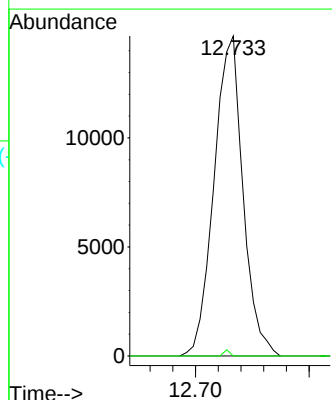
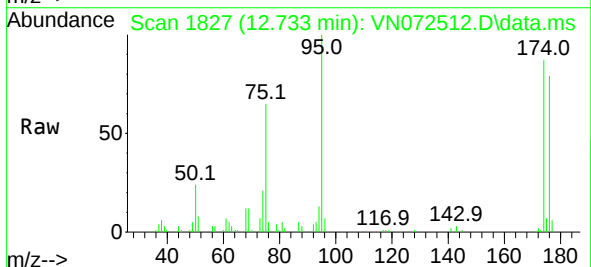
Instrument :
MSVOA_N
ClientSampleId :
TT-044-IDWGW-20220511

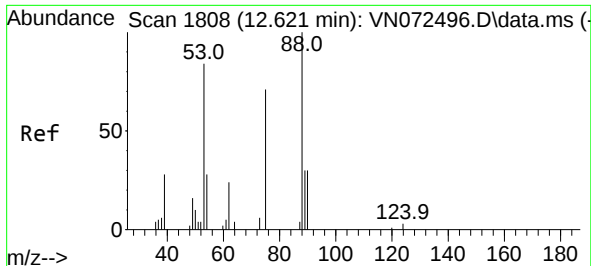
Tgt Ion: 98 Resp: 160714
Ion Ratio Lower Upper
98 100
100 63.5 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 12.754 ug/l
RT: 12.733 min Scan# 1827
Delta R.T. -0.141 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

Tgt Ion: 75 Resp: 25947
Ion Ratio Lower Upper
75 100
77 0.0 0.0 378.0

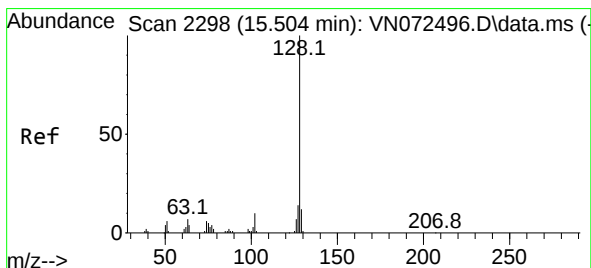
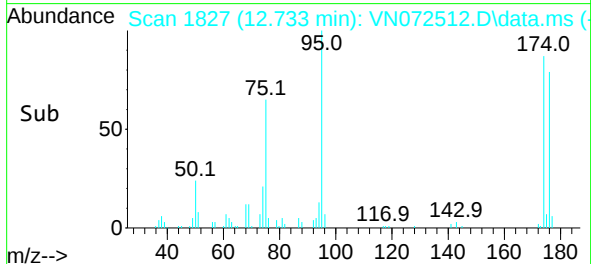
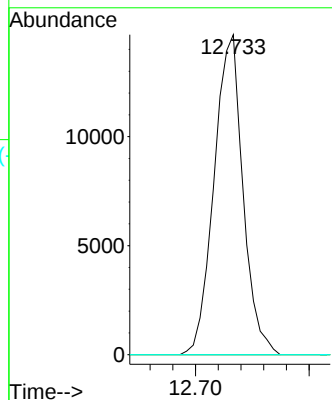
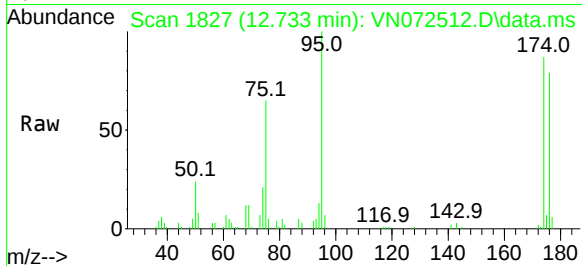




#77
t-1,4-Dichloro-2-butene
Concen: 38.599 ug/l
RT: 12.733 min Scan# 1808
Delta R.T. 0.112 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

Instrument :
MSVOA_N
ClientSampleId :
TT-044-IDWGW-20220511

Tgt Ion: 75 Resp: 25947
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 7.823 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN072512.D
Acq: 16 May 2022 19:45

Tgt Ion:128 Resp: 325
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.6#

