

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061122\
 Data File : VN072781.D
 Acq On : 11 Jun 2022 11:19
 Operator : JC\MD
 Sample : VN0611WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBL01

Quant Time: Jun 13 01:18:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

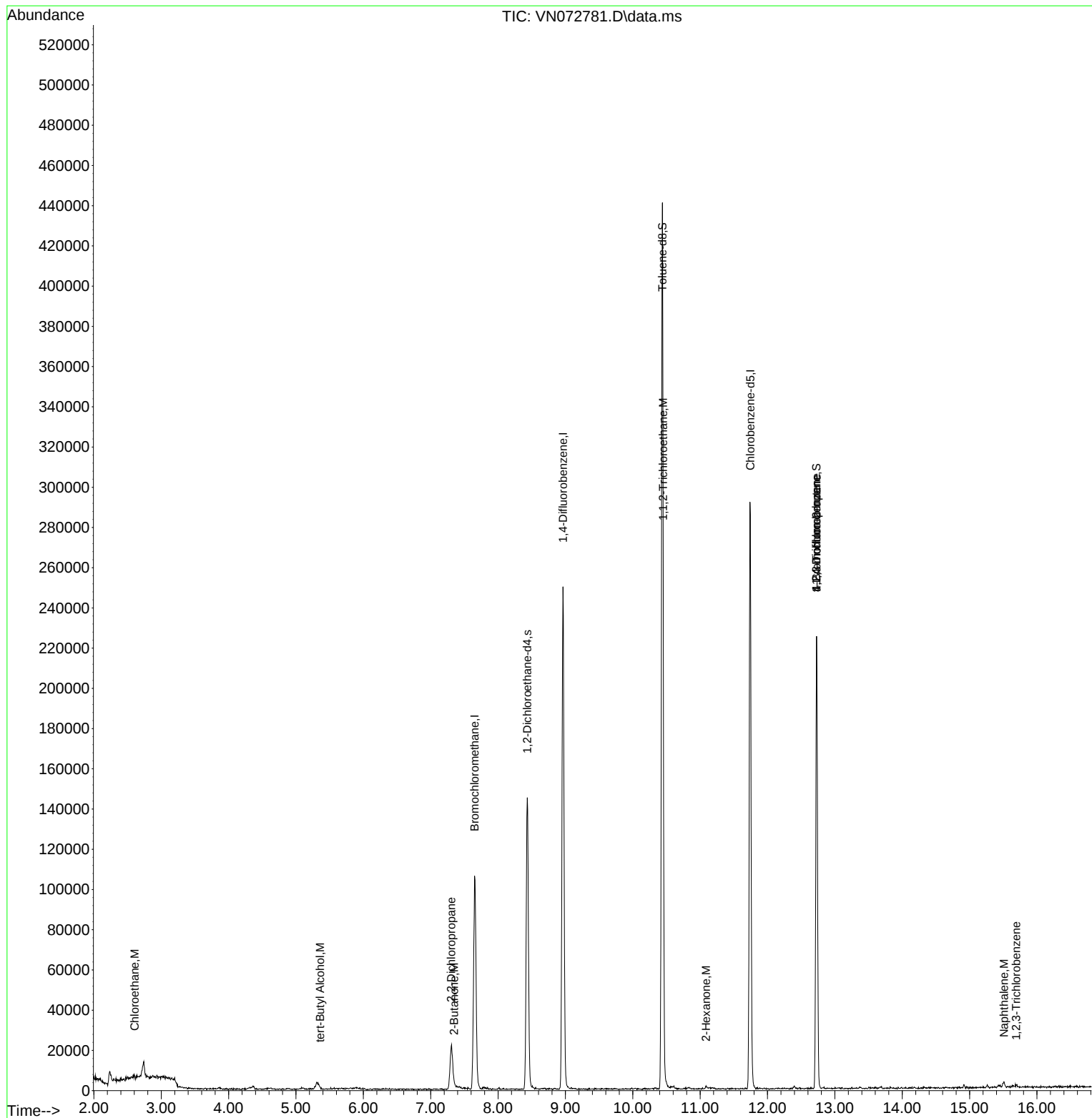
Internal Standards						
1) Bromochloromethane	7.651	128	33444	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	203037	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.745	117	159021	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	121889	31.957	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.533%
60) 4-Bromofluorobenzene	12.727	95	80687	24.670	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.233%
63) Toluene-d8	10.439	98	289889	32.908	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	109.700%
Target Compounds						
					Qvalue	
6) Chloroethane	2.604	64	490	0.299	ug/l	98
23) tert-Butyl Alcohol	5.357	59	497	0.575	ug/l	# 100
30) 2-Butanone	7.345	43	954	0.341	ug/l	# 53
31) 2,2-Dichloropropane	7.304	77	1104	0.211	ug/l	# 53
50) 1,1,2-Trichloroethane	10.451	97	9246	3.028	ug/l	# 1
59) 2-Hexanone	11.086	43	1229	0.340	ug/l	# 54
72) 1,2,3-Trichloropropane	12.727	75	46930	13.198	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	46930	31.315	ug/l	# 9
91) Naphthalene	15.509	128	3723	0.437	ug/l	# 82
92) 1,2,3-Trichlorobenzene	15.692	180	570	0.262	ug/l	# 49

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

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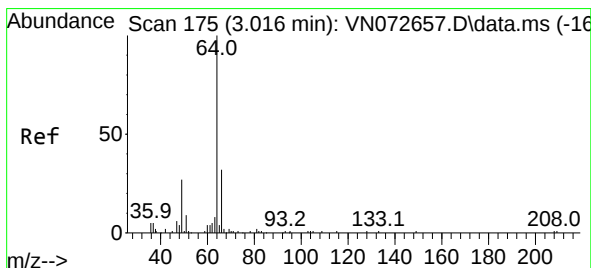
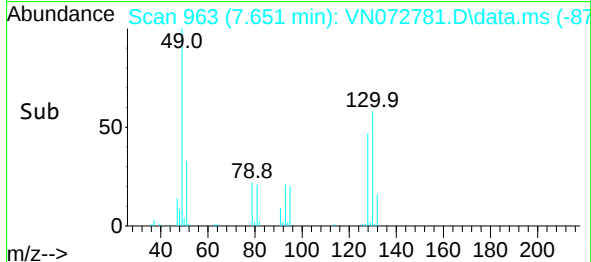
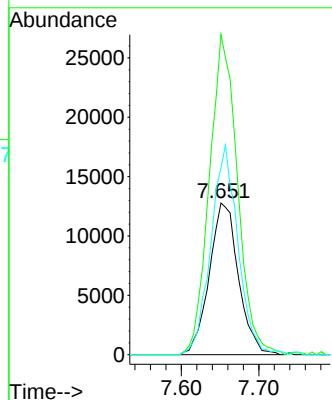
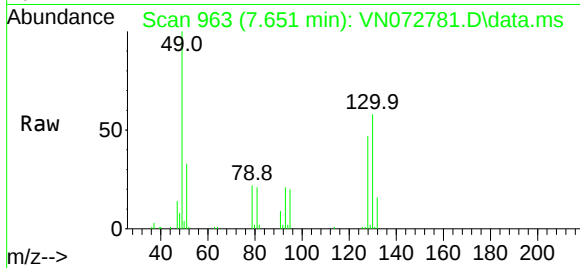




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN072781.D
Acq: 11 Jun 2022 11:19

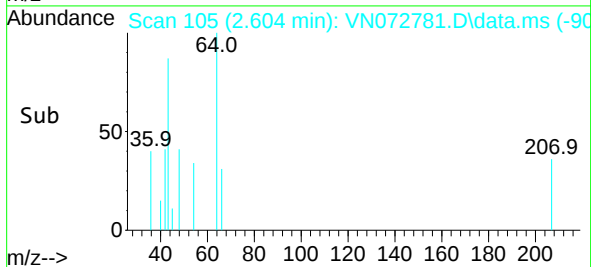
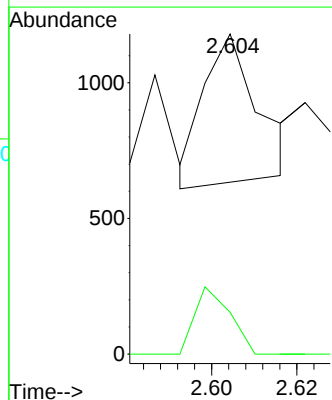
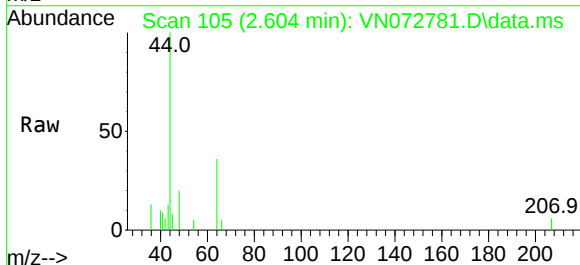
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

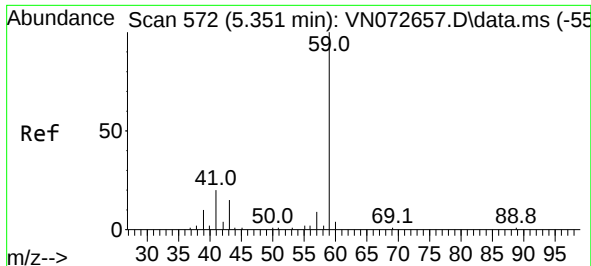
Tgt Ion:128 Resp: 33444
Ion Ratio Lower Upper
128 100
49 203.5 0.0 392.3
130 127.6 0.0 320.2



#6
Chloroethane
Concen: 0.299 ug/l
RT: 2.604 min Scan# 105
Delta R.T. -0.412 min
Lab File: VN072781.D
Acq: 11 Jun 2022 11:19

Tgt Ion: 64 Resp: 490
Ion Ratio Lower Upper
64 100
66 32.0 24.6 36.8

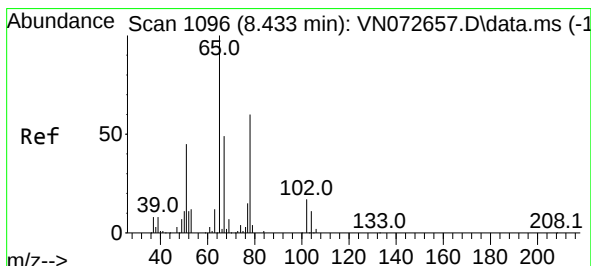
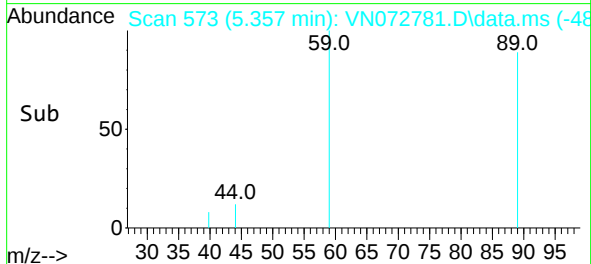
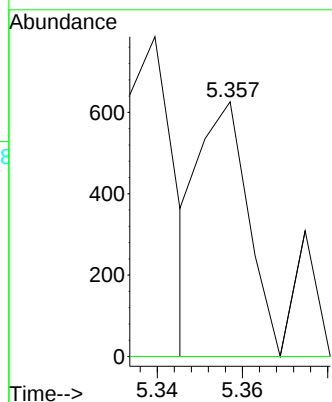
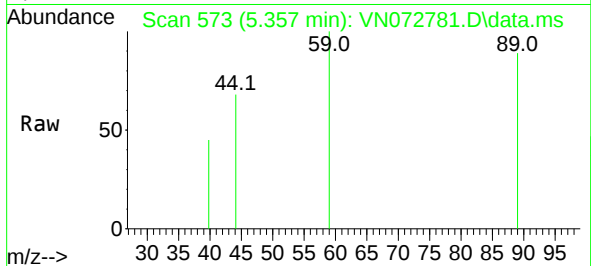




#23
tert-Butyl Alcohol
Concen: 0.575 ug/l
RT: 5.357 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN072781.D
Acq: 11 Jun 2022 11:19

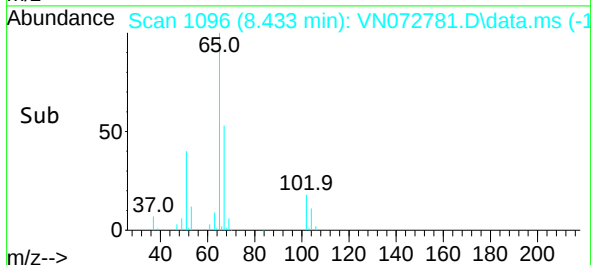
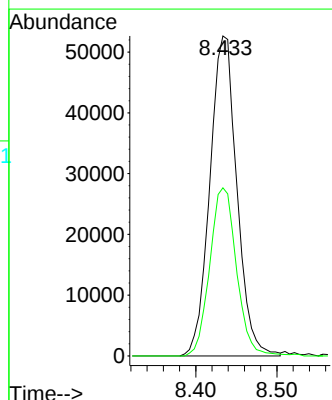
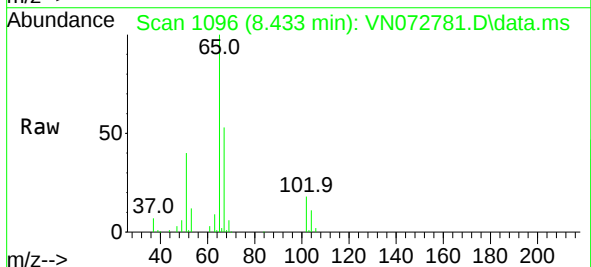
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

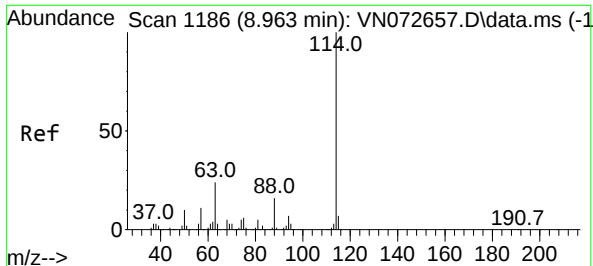
Tgt Ion: 59 Resp: 497
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 31.957 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072781.D
Acq: 11 Jun 2022 11:19

Tgt Ion: 65 Resp: 121889
Ion Ratio Lower Upper
65 100
67 51.9 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: VN072781.D

Acq: 11 Jun 2022 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBL01

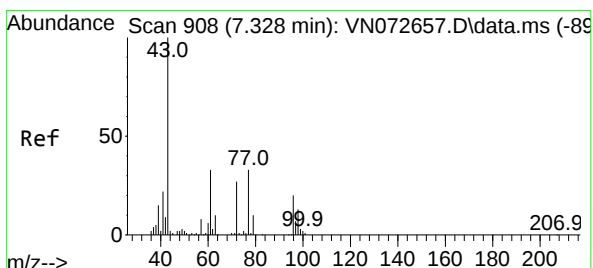
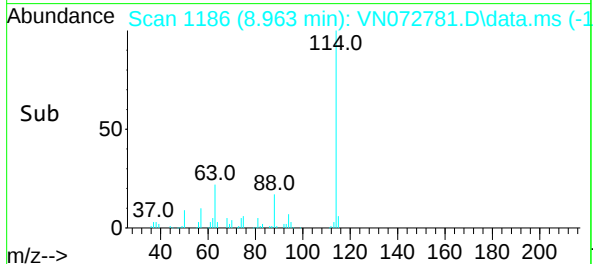
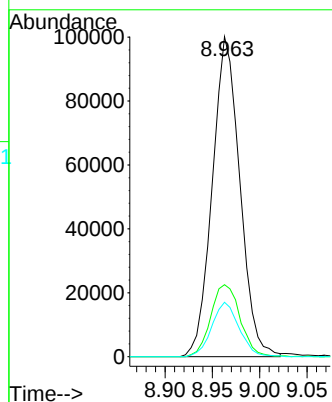
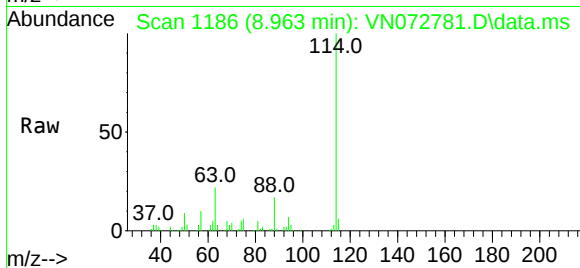
Tgt Ion:114 Resp: 203037

Ion Ratio Lower Upper

114 100

63 23.8 15.8 23.6#

88 16.9 11.6 17.4



#30

2-Butanone

Concen: 0.341 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.018 min

Lab File: VN072781.D

Acq: 11 Jun 2022 11:19

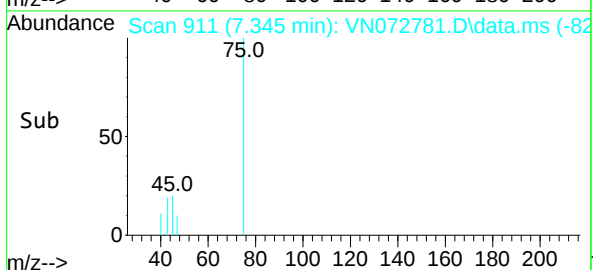
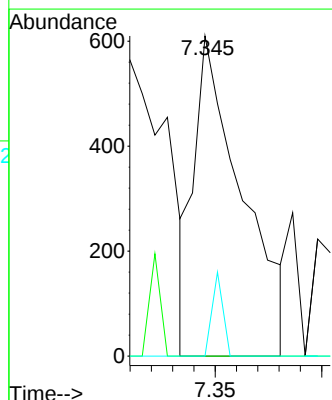
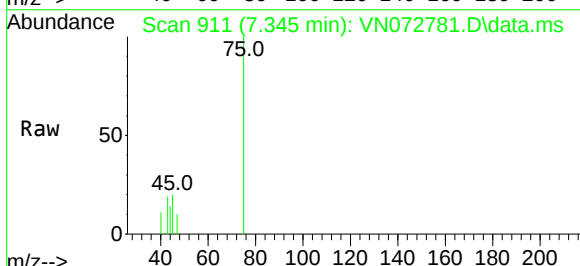
Tgt Ion: 43 Resp: 954

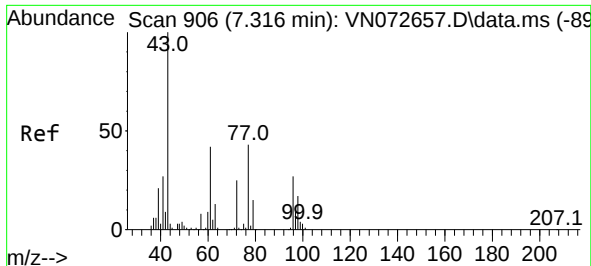
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 0.0 23.2 34.8#





#31

2,2-Dichloropropane

Concen: 0.211 ug/l

RT: 7.304 min Scan# 906

Delta R.T. -0.012 min

Lab File: VN072781.D

Acq: 11 Jun 2022 11:19

Instrument :

MSVOA_N

ClientSampleId :

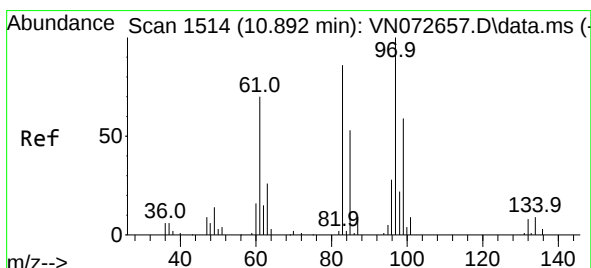
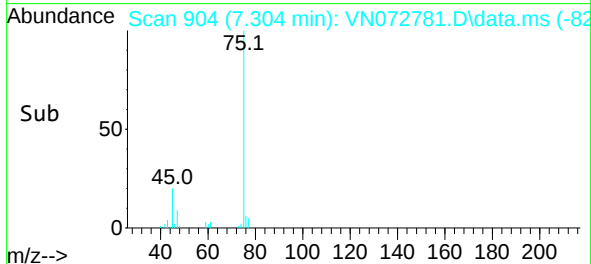
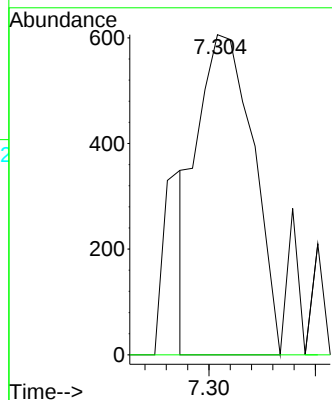
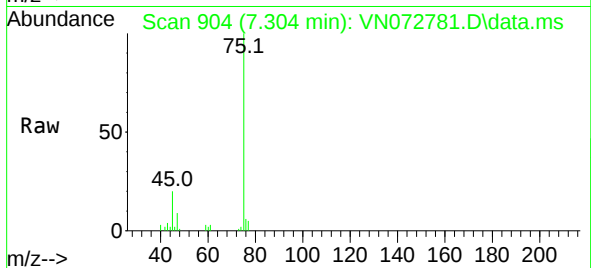
VN0611WBL01

Tgt Ion: 77 Resp: 1104

Ion Ratio Lower Upper

77 100

97 0.0 18.3 27.5#



#50

1,1,2-Trichloroethane

Concen: 3.028 ug/l

RT: 10.451 min Scan# 1439

Delta R.T. -0.441 min

Lab File: VN072781.D

Acq: 11 Jun 2022 11:19

Tgt Ion: 97 Resp: 9246

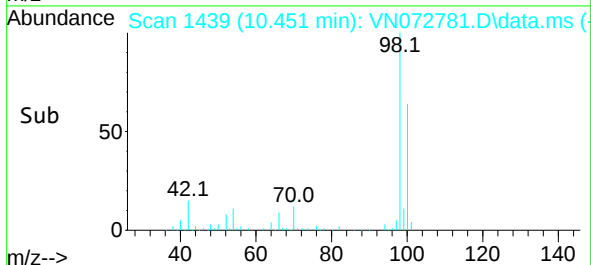
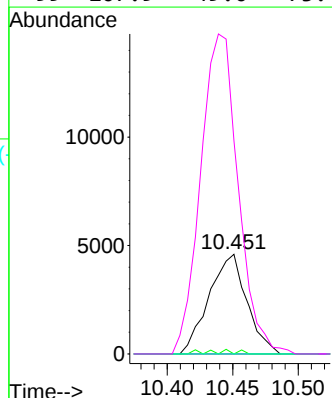
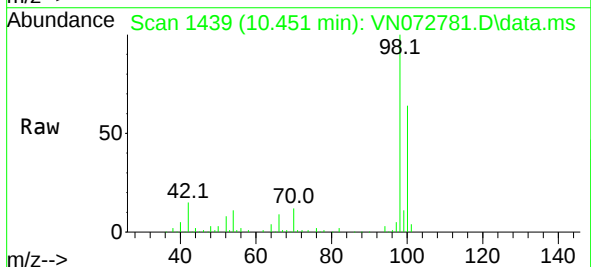
Ion Ratio Lower Upper

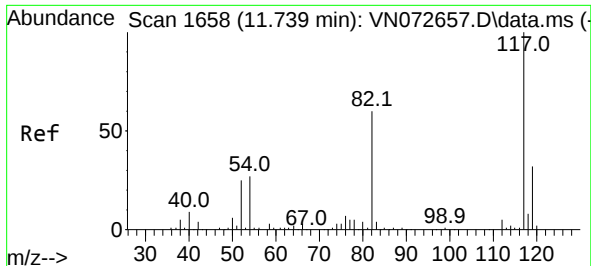
97 100

83 0.0 67.2 100.8#

85 0.0 43.0 64.4#

99 207.9 49.0 73.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.745 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN072781.D

Acq: 11 Jun 2022 11:19

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MSVOA_N

ClientSampleId :

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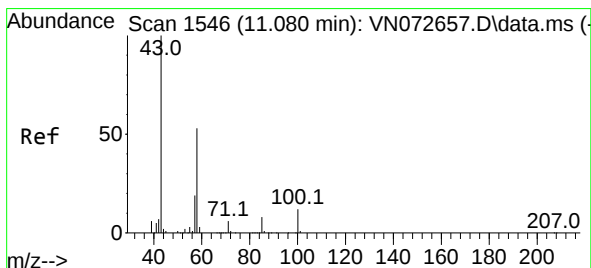
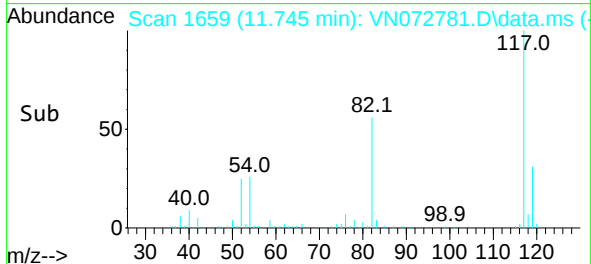
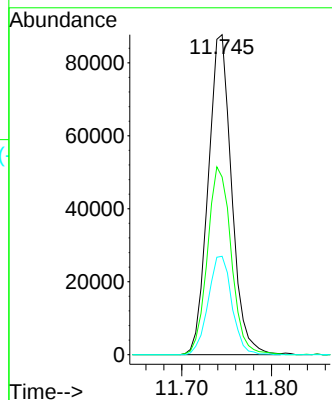
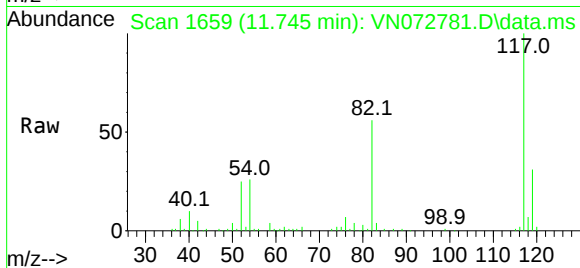
Tgt Ion:117 Resp: 159021

Ion Ratio Lower Upper

117 100

82 59.8 43.6 65.4

119 31.0 25.8 38.6



#59

2-Hexanone

Concen: 0.340 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN072781.D

Acq: 11 Jun 2022 11:19

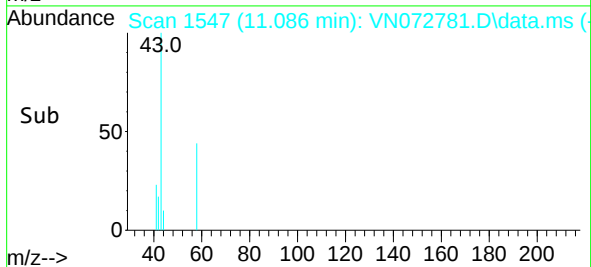
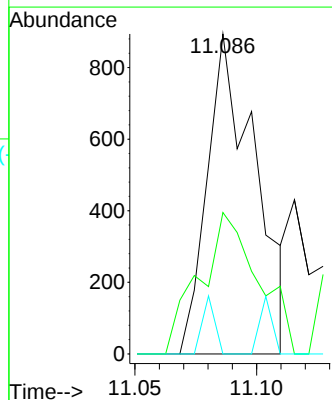
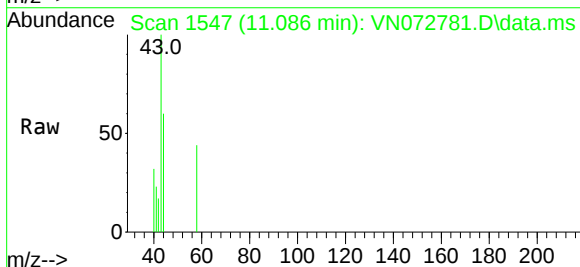
Tgt Ion: 43 Resp: 1229

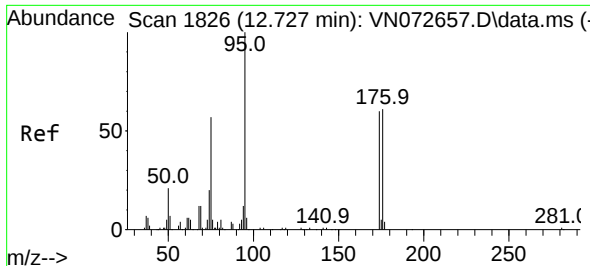
Ion Ratio Lower Upper

43 100

58 19.1 42.2 63.2#

57 0.0 15.0 22.4#

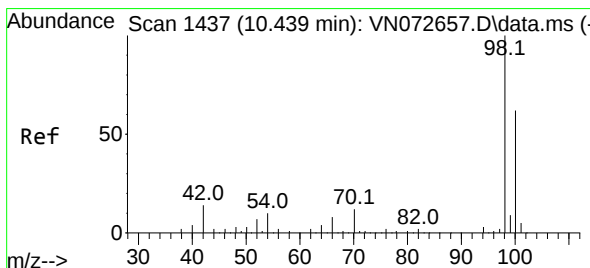
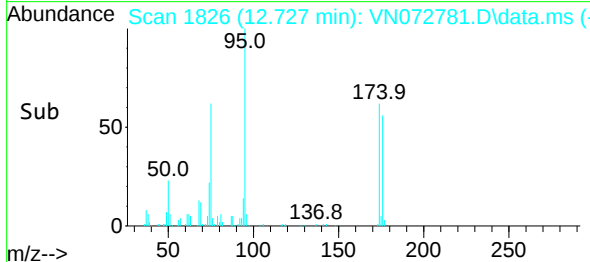
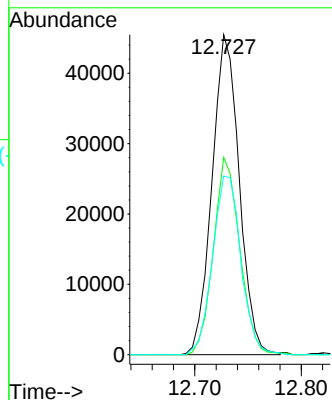
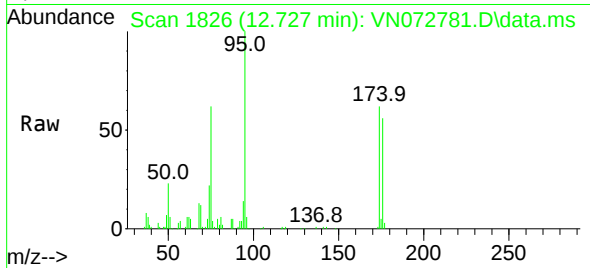




#60
4-Bromofluorobenzene
Concen: 24.670 ug/l
RT: 12.727 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072781.D
Acq: 11 Jun 2022 11:19

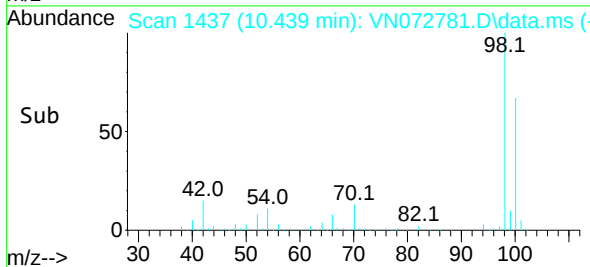
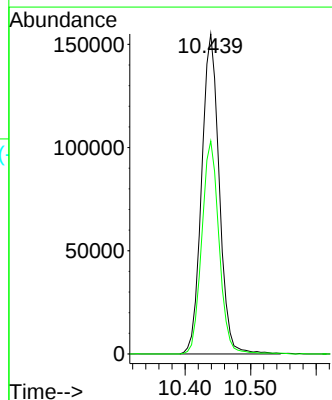
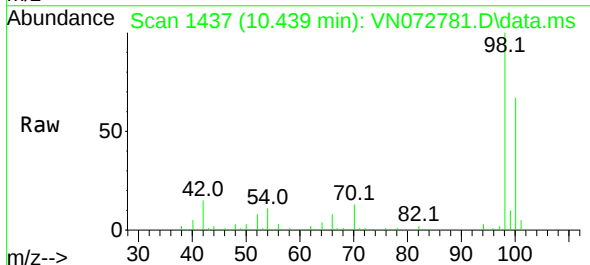
Instrument :
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VN0611WBL01

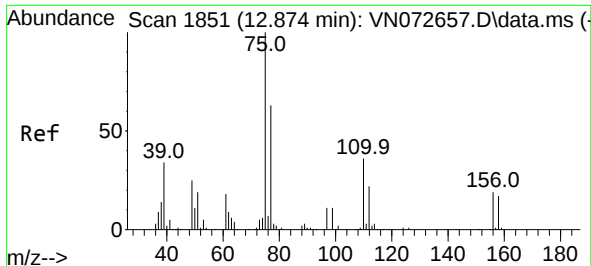
Tgt Ion: 95 Resp: 80687
Ion Ratio Lower Upper
95 100
174 59.6 62.9 94.3#
176 58.2 61.0 91.4#



#63
Toluene-d8
Concen: 32.908 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072781.D
Acq: 11 Jun 2022 11:19

Tgt Ion: 98 Resp: 289889
Ion Ratio Lower Upper
98 100
100 65.2 50.6 76.0

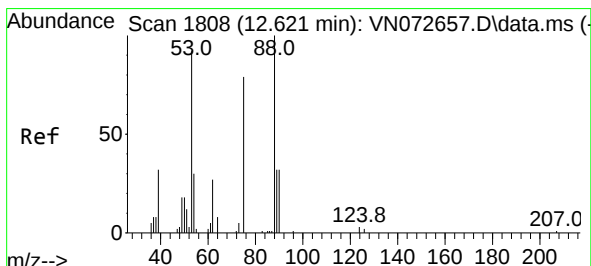
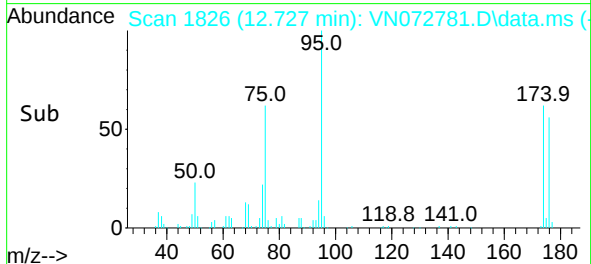
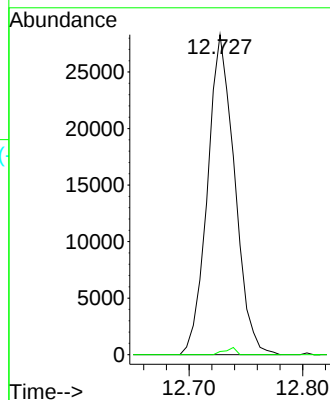
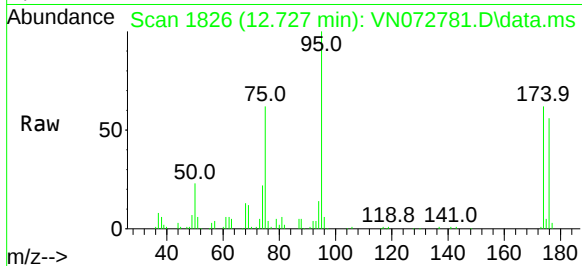




#72
1,2,3-Trichloropropane
Concen: 13.198 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072781.D
Acq: 11 Jun 2022 11:19

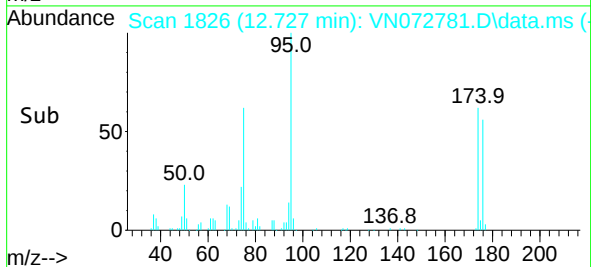
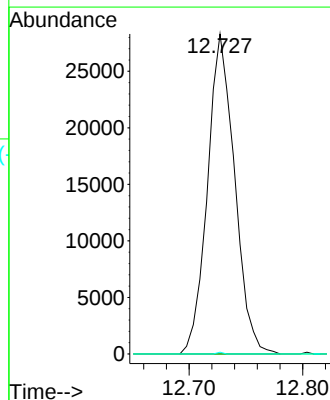
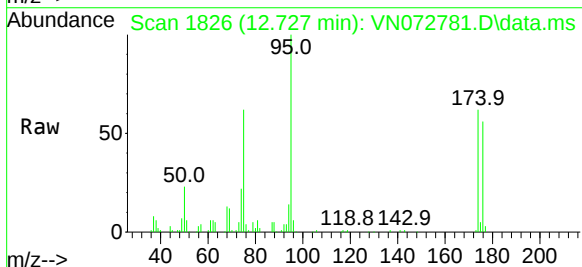
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

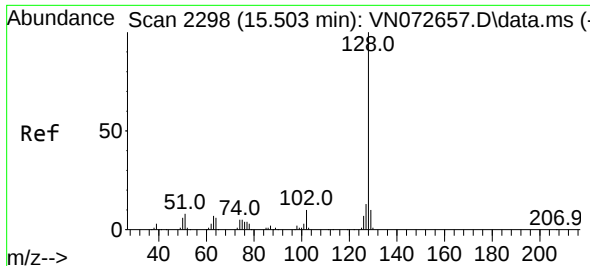
Tgt Ion: 75 Resp: 46930
Ion Ratio Lower Upper
75 100
77 1.0 0.0 378.0



#77
t-1,4-Dichloro-2-butene
Concen: 31.315 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072781.D
Acq: 11 Jun 2022 11:19

Tgt Ion: 75 Resp: 46930
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.6 22.9 68.7#

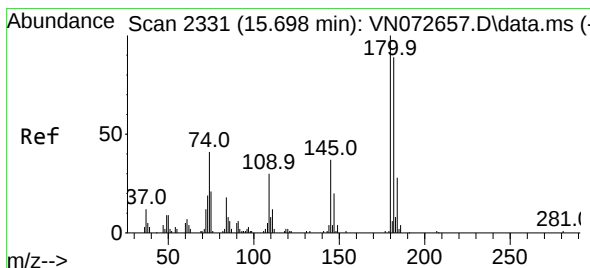
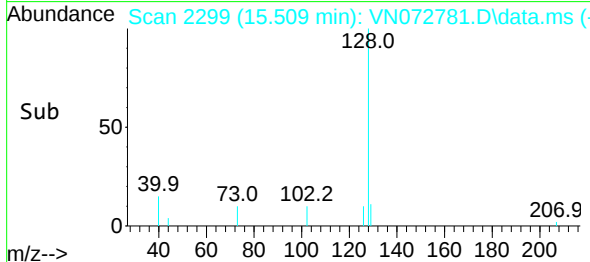
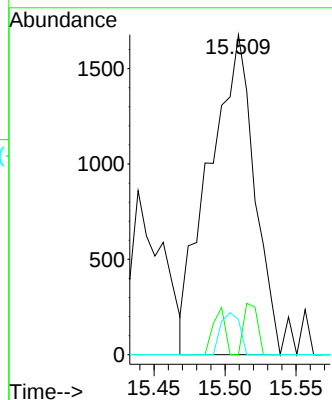
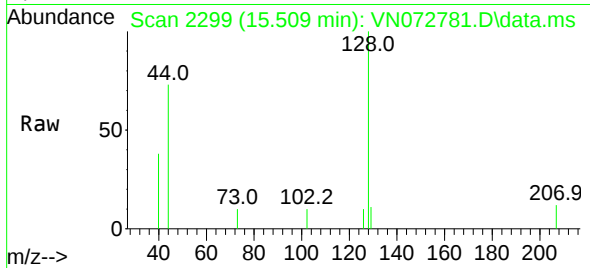




#91
Naphthalene
Concen: 0.437 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072781.D
Acq: 11 Jun 2022 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Tgt Ion:128 Resp: 3723
Ion Ratio Lower Upper
128 100
127 4.9 10.7 16.1#
129 5.5 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.262 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN072781.D
Acq: 11 Jun 2022 11:19

Tgt Ion:180 Resp: 570
Ion Ratio Lower Upper
180 100
182 48.6 0.0 190.0
145 0.0 0.0 67.8

