

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072511.D
 Acq On : 16 May 2022 19:21
 Operator : JC\MD
 Sample : N2837-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW8-IDWGW-20220512

Quant Time: May 17 07:20:09 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)

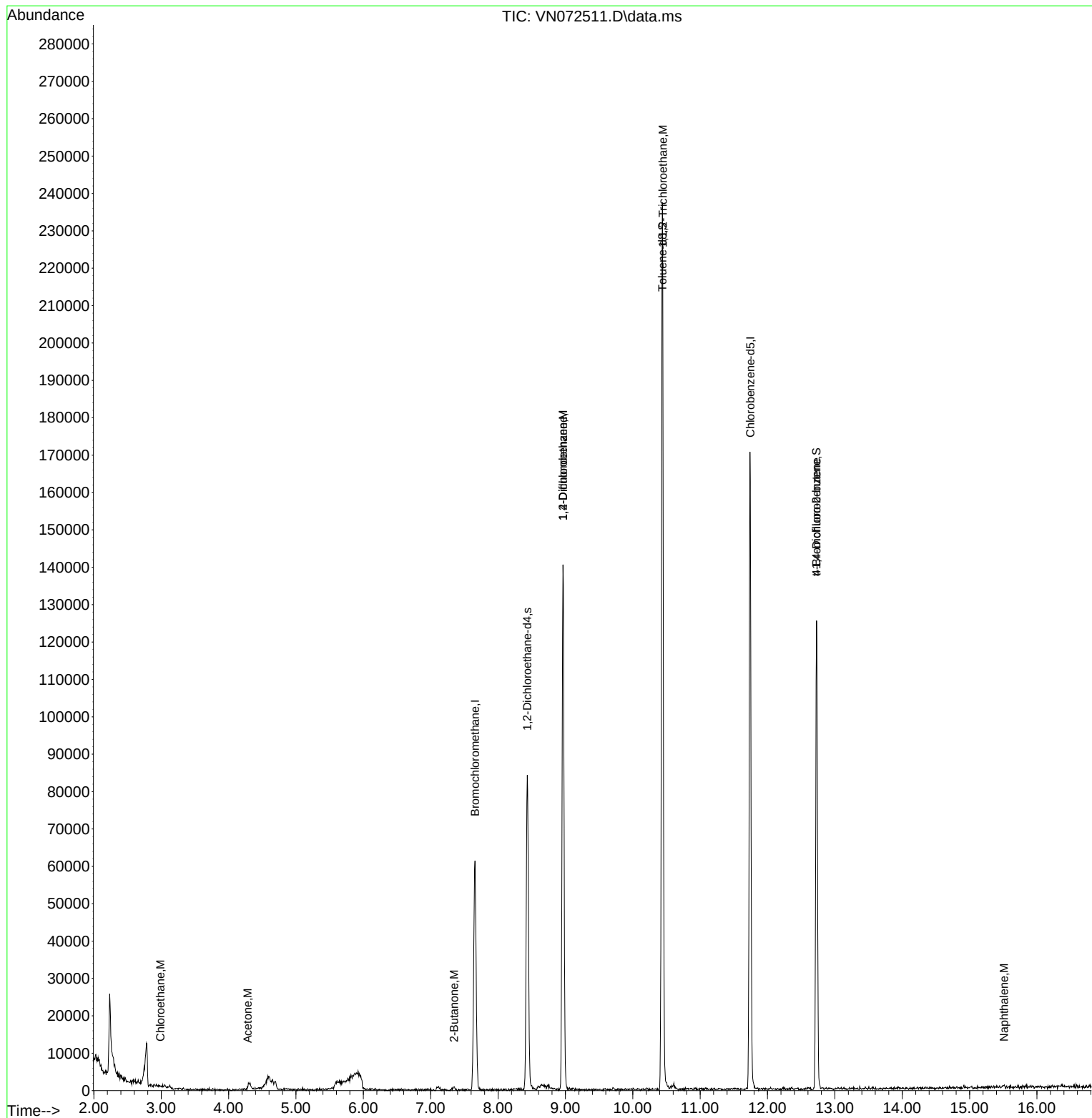
Internal Standards						
1) Bromochloromethane	7.657	128	22034	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	114623	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	96477	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	78725	31.752	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.833%
60) 4-Bromofluorobenzene	12.727	95	42908	22.778	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	75.933%
63) Toluene-d8	10.439	98	161152	30.600	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.000%
Target Compounds						
					Qvalue	
6) Chloroethane	2.987	64	275	0.302	ug/l #	44
15) Acetone	4.281	58	178	0.710	ug/l #	35
30) 2-Butanone	7.345	43	1312	0.993	ug/l #	61
36) 1,2-Dichloroethane	8.963	62	4631	1.533	ug/l #	77
50) 1,1,2-Trichloroethane	10.445	97	4810	2.765	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	25931	37.585	ug/l #	8
91) Naphthalene	15.510	128	195	7.799	ug/l #	68

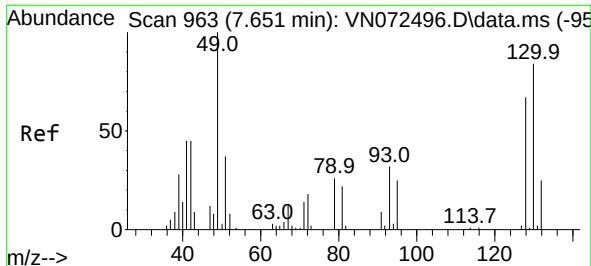
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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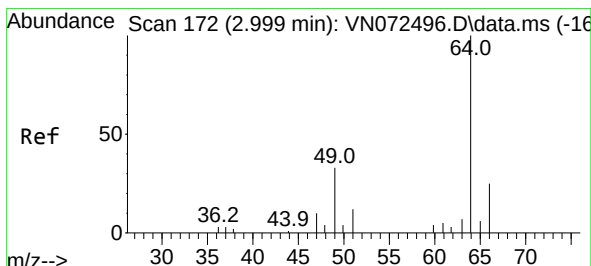
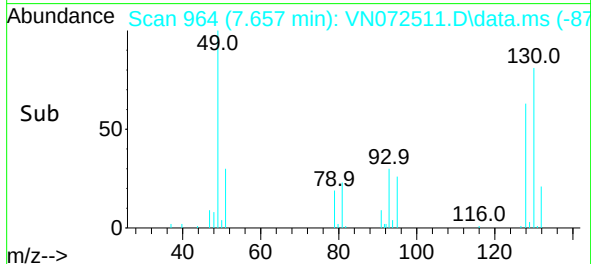
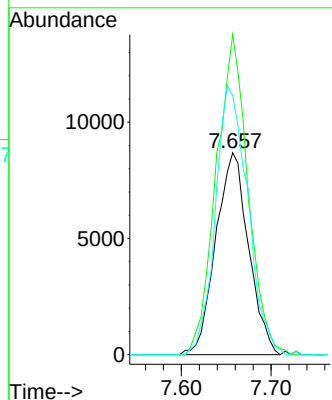
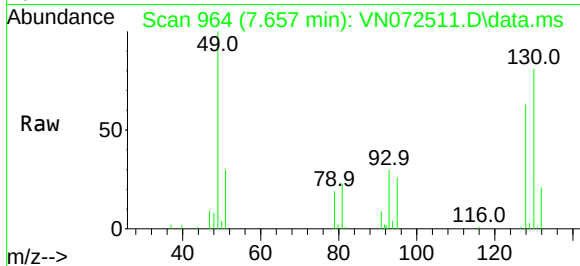




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072511.D
Acq: 16 May 2022 19:21

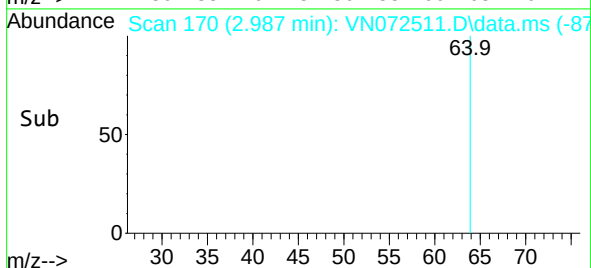
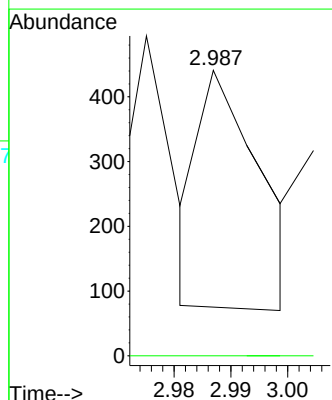
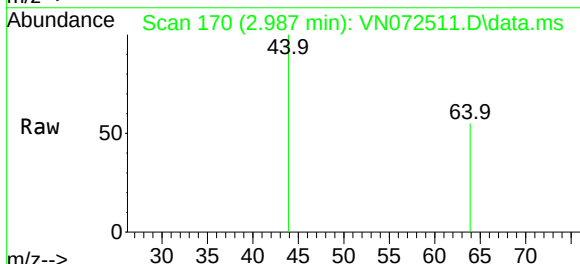
Instrument :
MSVOA_N
ClientSampleId :
RW8-IDWGW-20220512

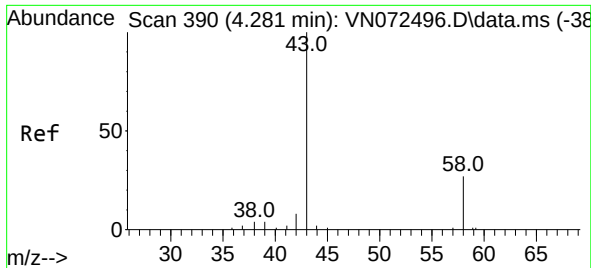
Tgt Ion:128 Resp: 22034
Ion Ratio Lower Upper
128 100
49 153.6 0.0 392.3
130 131.5 0.0 320.2



#6
Chloroethane
Concen: 0.302 ug/l
RT: 2.987 min Scan# 170
Delta R.T. -0.012 min
Lab File: VN072511.D
Acq: 16 May 2022 19:21

Tgt Ion: 64 Resp: 275
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#





#15

Acetone

Concen: 0.710 ug/l

RT: 4.281 min Scan# 390

Delta R.T. 0.000 min

Lab File: VN072511.D

Acq: 16 May 2022 19:21

Instrument :

MSVOA_N

ClientSampleId :

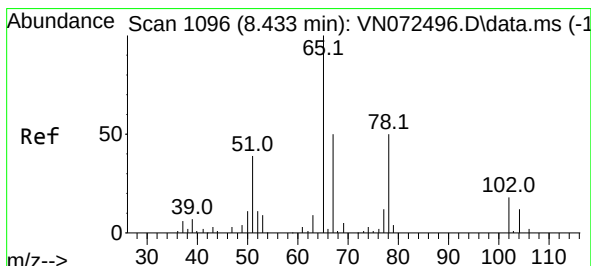
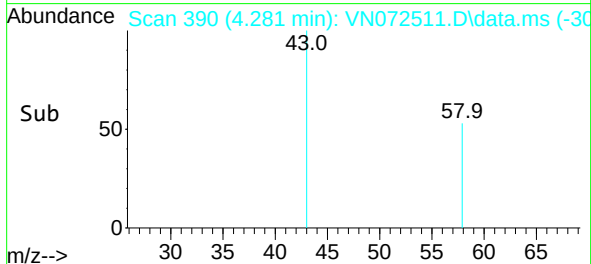
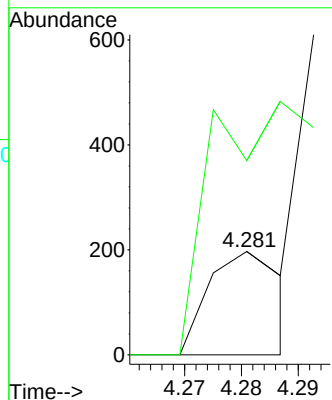
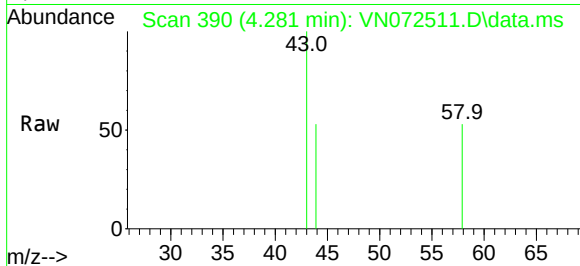
RW8-IDWGW-20220512

Tgt Ion: 58 Resp: 178

Ion Ratio Lower Upper

58 100

43 187.8 256.6 384.8#



#27

1,2-Dichloroethane-d4

Concen: 31.752 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. 0.000 min

Lab File: VN072511.D

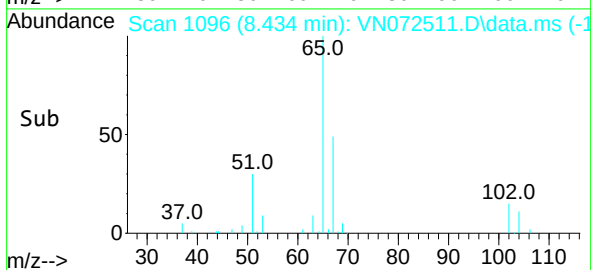
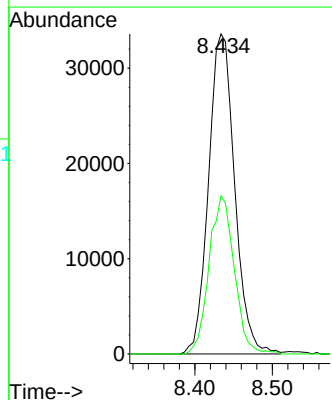
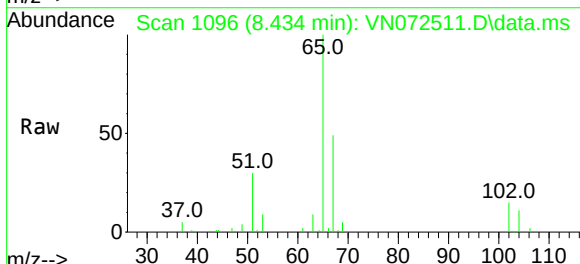
Acq: 16 May 2022 19:21

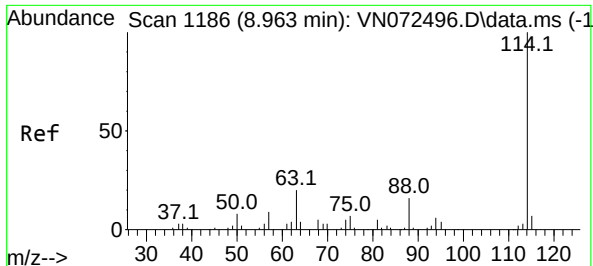
Tgt Ion: 65 Resp: 78725

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: VN072511.D

Acq: 16 May 2022 19:21

Instrument :

MSVOA_N

ClientSampleId :

RW8-IDWGW-20220512

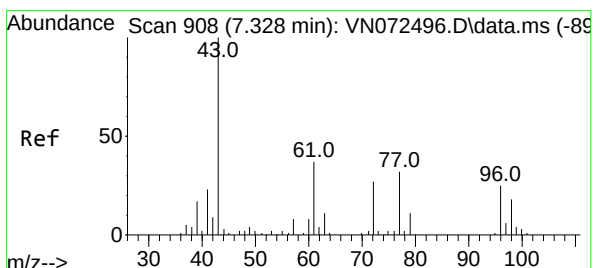
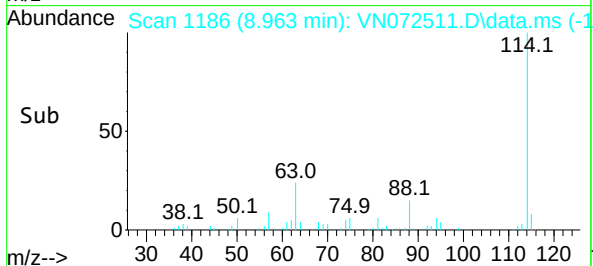
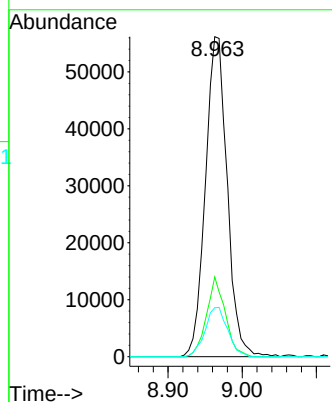
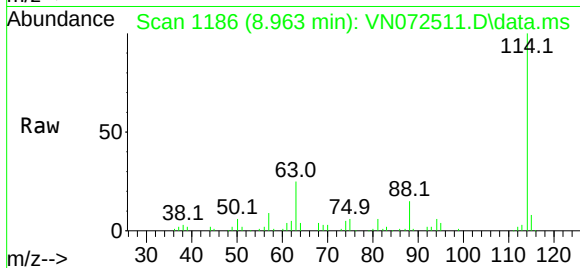
Tgt Ion:114 Resp: 114623

Ion Ratio Lower Upper

114 100

63 21.5 15.8 23.6

88 16.0 11.6 17.4



#30

2-Butanone

Concen: 0.993 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.018 min

Lab File: VN072511.D

Acq: 16 May 2022 19:21

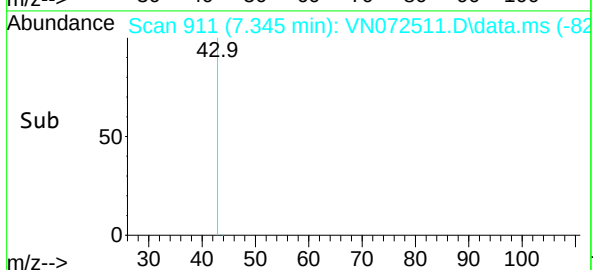
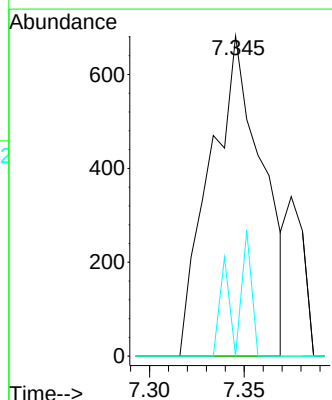
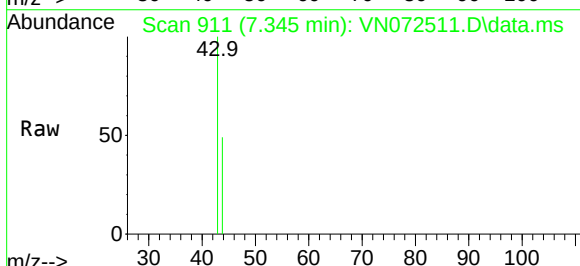
Tgt Ion: 43 Resp: 1312

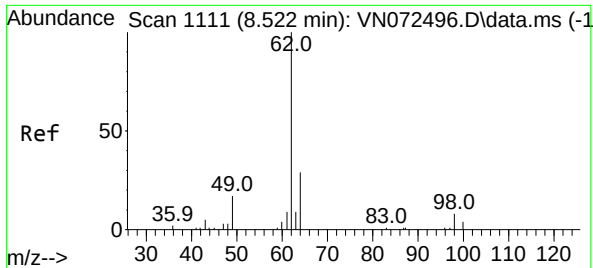
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 5.6 23.2 34.8#

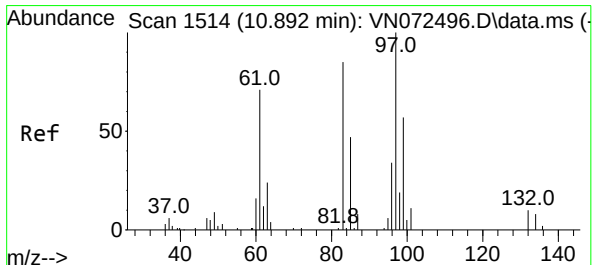
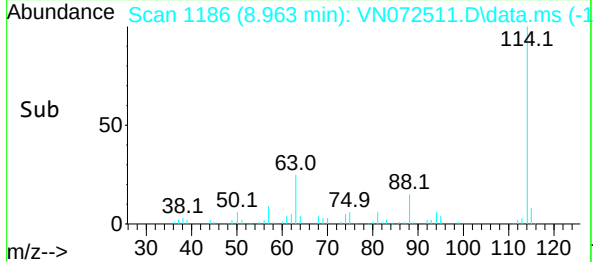
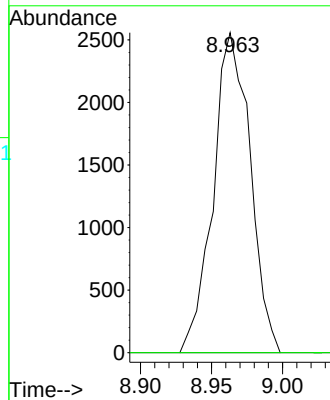
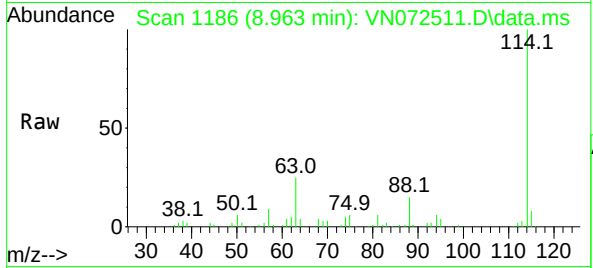




#36
1,2-Dichloroethane
Concen: 1.533 ug/l
RT: 8.963 min Scan# 1111
Delta R.T. 0.441 min
Lab File: VN072511.D
Acq: 16 May 2022 19:21

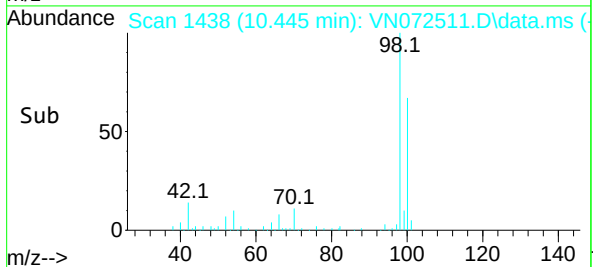
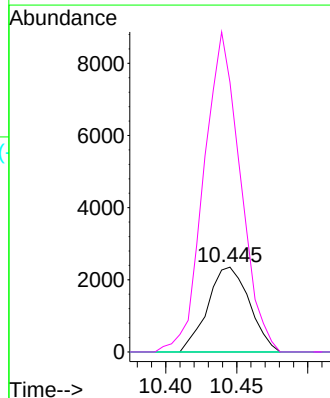
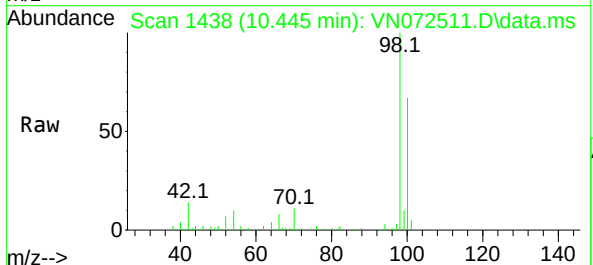
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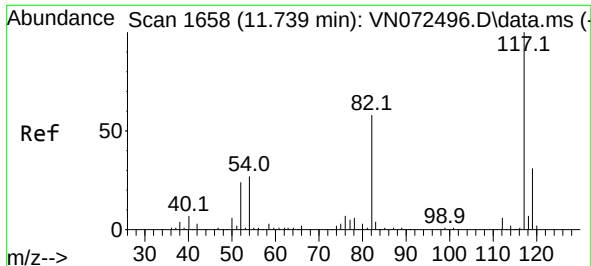
Tgt Ion: 62 Resp: 4631
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#



#50
1,1,2-Trichloroethane
Concen: 2.765 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.447 min
Lab File: VN072511.D
Acq: 16 May 2022 19:21

Tgt Ion: 97 Resp: 4810
Ion Ratio Lower Upper
97 100
83 0.0 67.2 100.8#
85 0.0 43.0 64.4#
99 318.1 49.0 73.4#

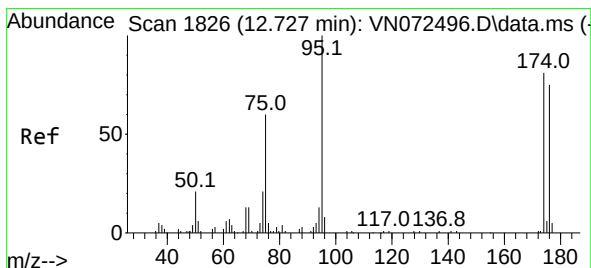
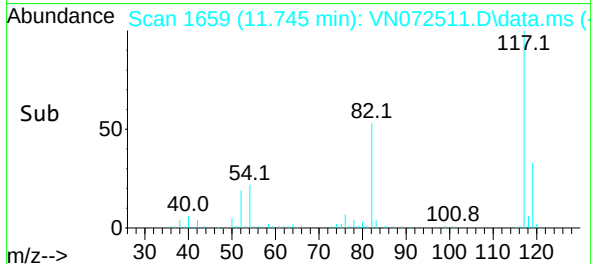
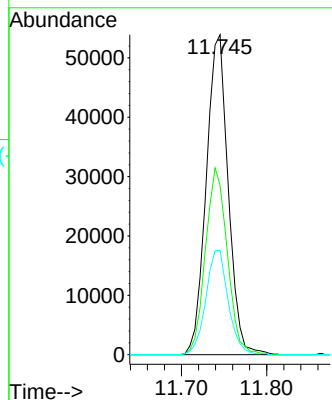
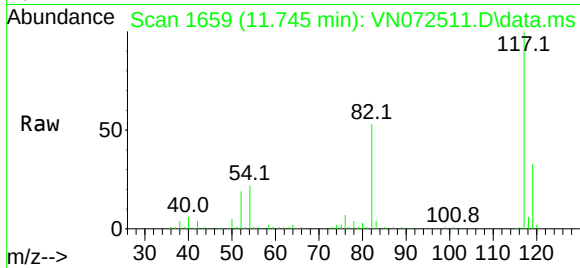




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN072511.D
Acq: 16 May 2022 19:21

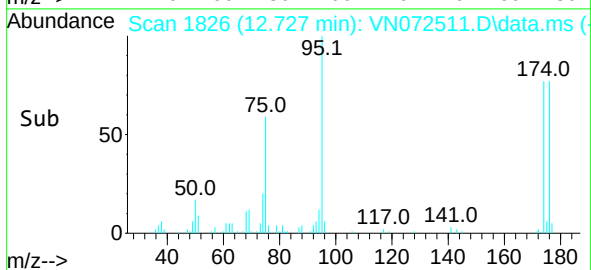
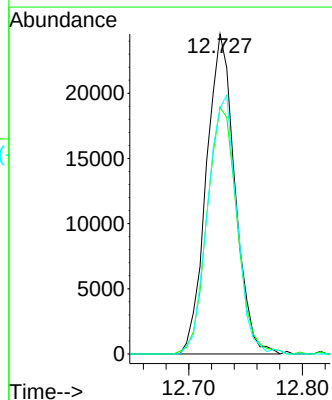
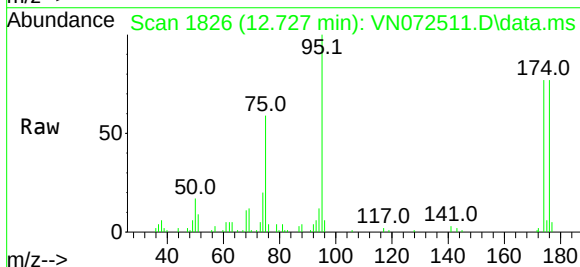
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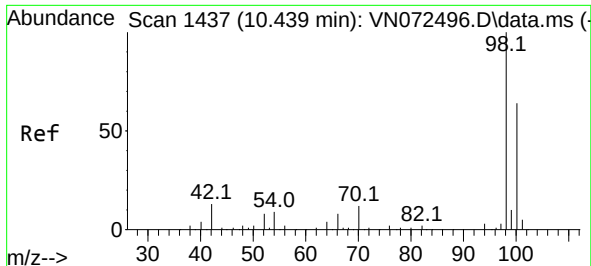
Tgt Ion:117 Resp: 96477
Ion Ratio Lower Upper
117 100
82 58.2 43.6 65.4
119 33.3 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 22.778 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072511.D
Acq: 16 May 2022 19:21

Tgt Ion: 95 Resp: 42908
Ion Ratio Lower Upper
95 100
174 80.9 62.9 94.3
176 81.8 61.0 91.4

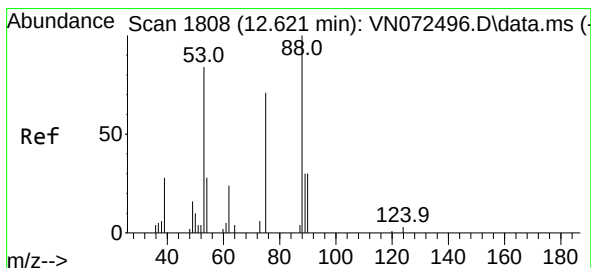
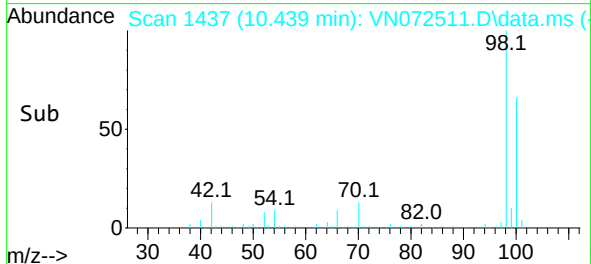
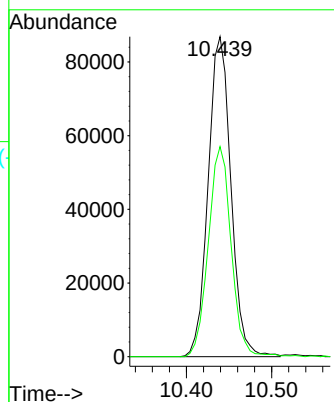
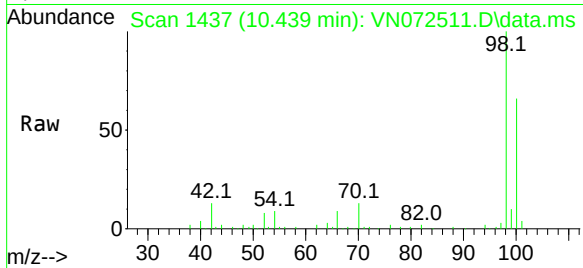




#63
Toluene-d8
Concen: 30.600 ug/l
RT: 10.439 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN072511.D
Acq: 16 May 2022 19:21

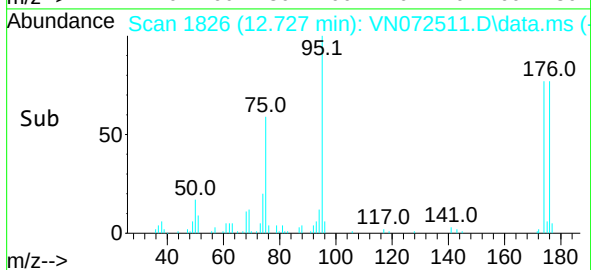
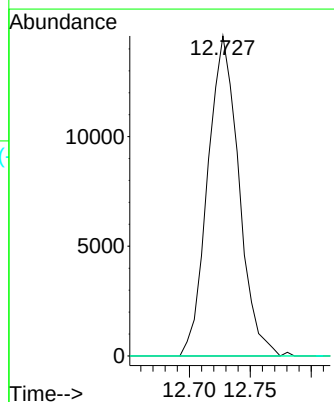
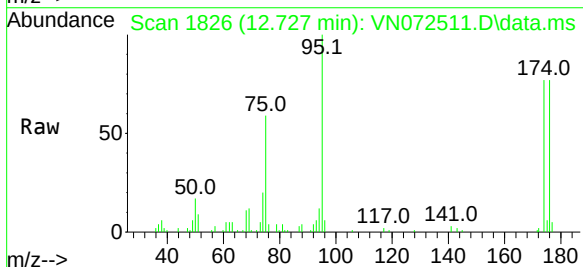
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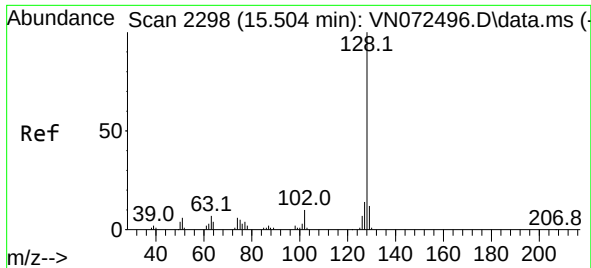
Tgt Ion: 98 Resp: 161152
Ion Ratio Lower Upper
98 100
100 65.4 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 37.585 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072511.D
Acq: 16 May 2022 19:21

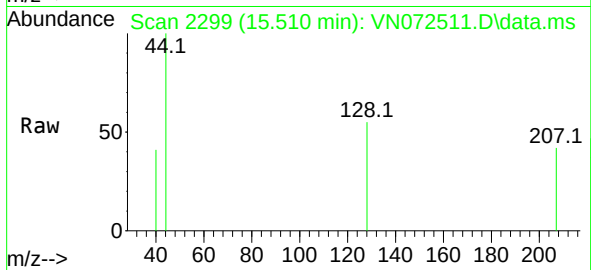
Tgt Ion: 75 Resp: 25931
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 7.799 ug/l
RT: 15.510 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072511.D
Acq: 16 May 2022 19:21

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:128 Resp: 195
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.6#

