

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072518.D
 Acq On : 16 May 2022 22:10
 Operator : JC\MD
 Sample : N2833-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP02

Quant Time: May 17 07:21:38 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)

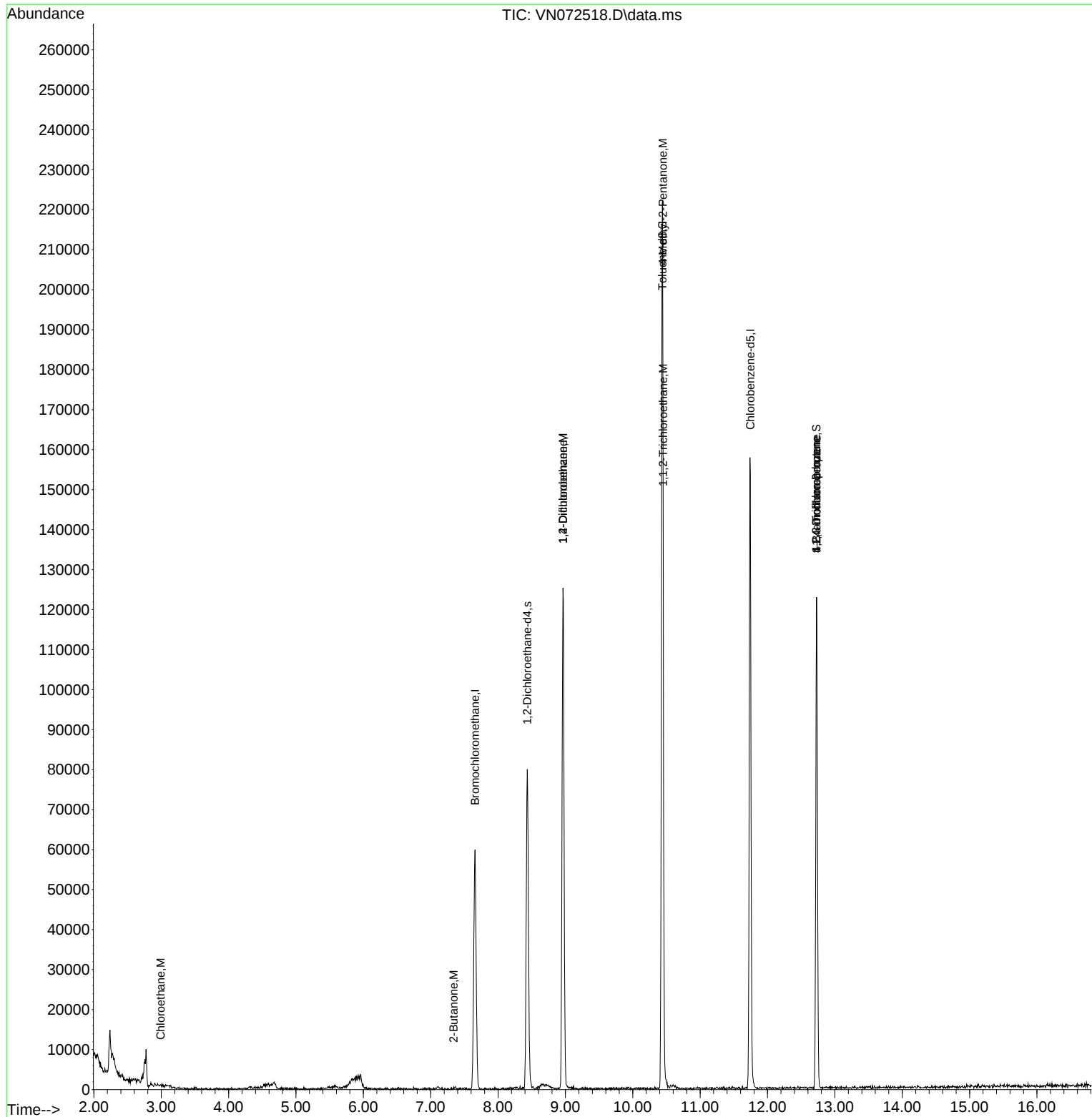
Internal Standards						
1) Bromochloromethane	7.657	128	21402	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	106219	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	90173	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	75047	31.162	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.867%
60) 4-Bromofluorobenzene	12.727	95	40439	22.968	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	76.567%
63) Toluene-d8	10.439	98	151059	30.689	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.300%
Target Compounds						
					Qvalue	
6) Chloroethane	2.993	64	571	0.645	ug/l #	44
30) 2-Butanone	7.339	43	361	0.295	ug/l #	53
36) 1,2-Dichloroethane	8.963	62	3898	1.392	ug/l #	77
50) 1,1,2-Trichloroethane	10.451	97	5346	3.316	ug/l #	1
58) 4-Methyl-2-Pentanone	10.445	43	863	0.406	ug/l #	1
72) 1,2,3-Trichloropropane	12.727	75	22615	11.588	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	22615	35.070	ug/l #	8

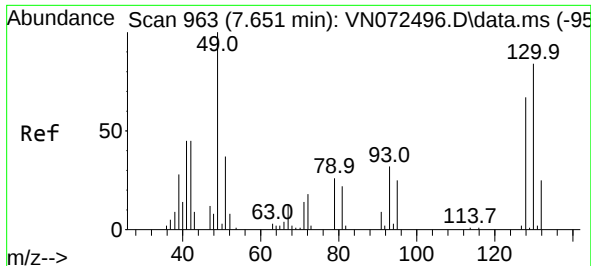
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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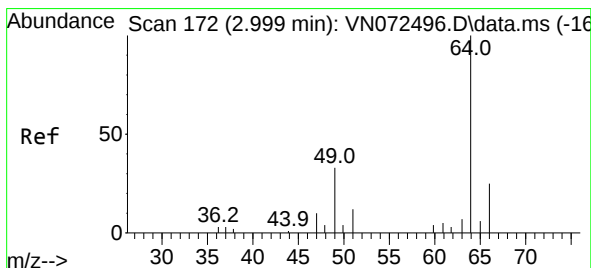
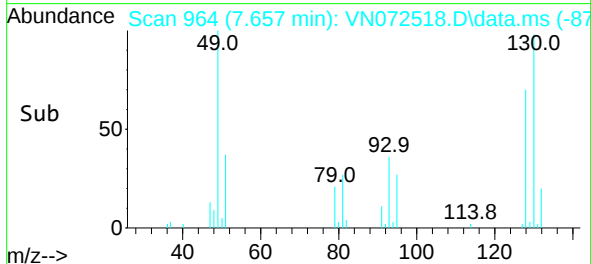
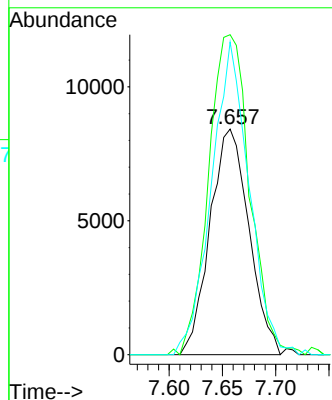
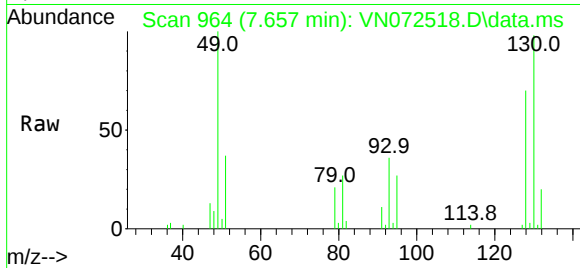




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072518.D
Acq: 16 May 2022 22:10

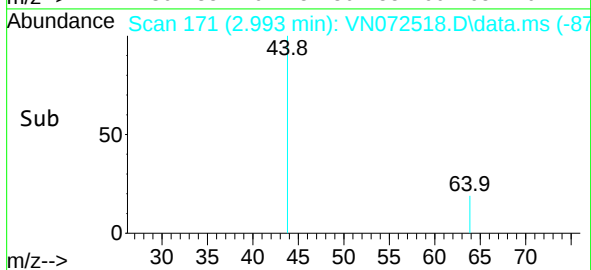
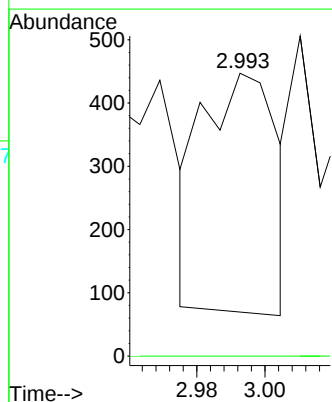
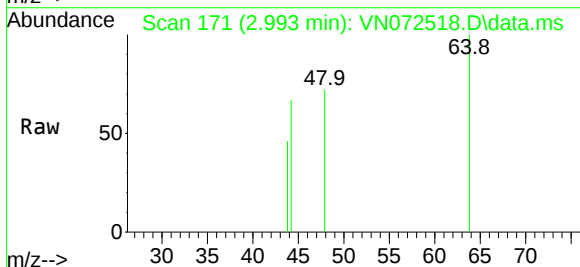
Instrument :
MSVOA_N
ClientSampleId :
TWP02

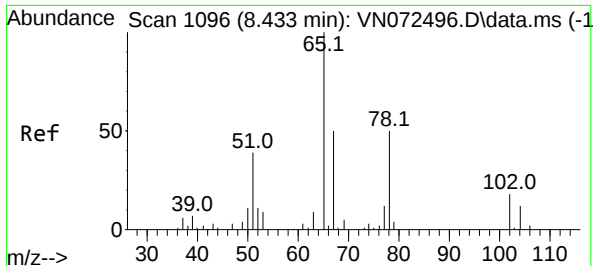
Tgt Ion:128 Resp: 21402
Ion Ratio Lower Upper
128 100
49 149.6 0.0 392.3
130 133.4 0.0 320.2



#6
Chloroethane
Concen: 0.645 ug/l
RT: 2.993 min Scan# 171
Delta R.T. -0.006 min
Lab File: VN072518.D
Acq: 16 May 2022 22:10

Tgt Ion: 64 Resp: 571
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

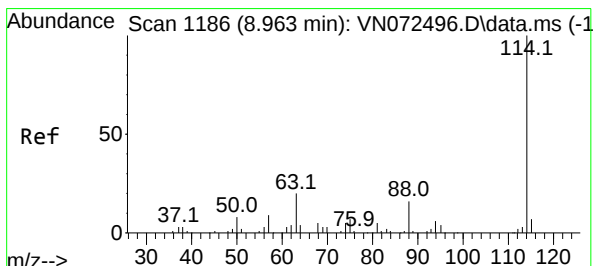
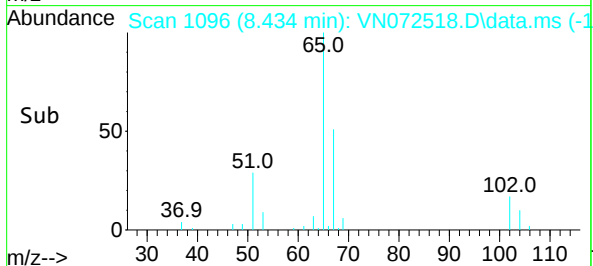
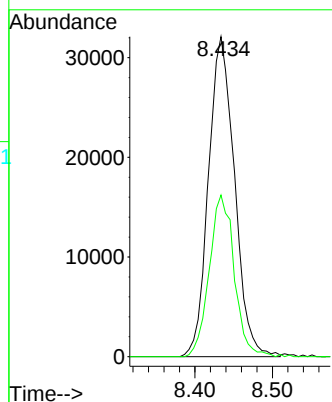
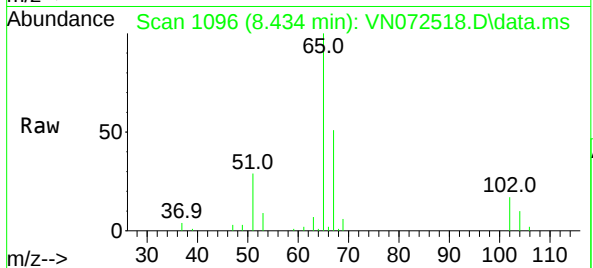




#27
1,2-Dichloroethane-d4
Concen: 31.162 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072518.D
Acq: 16 May 2022 22:10

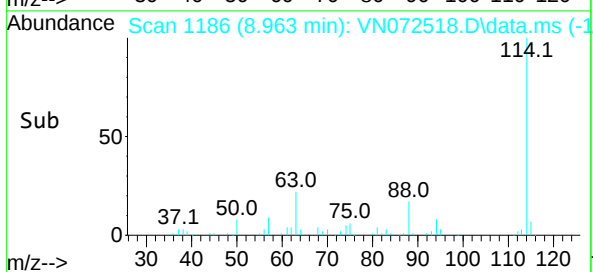
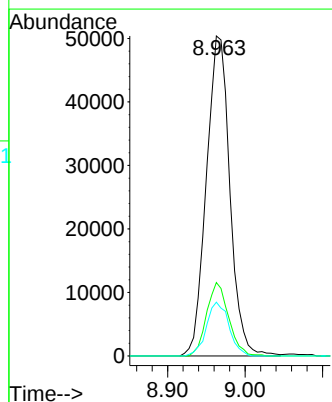
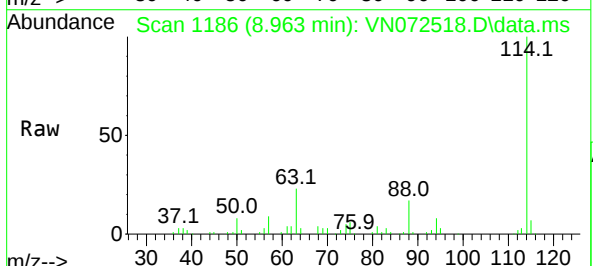
Instrument :
MSVOA_N
ClientSampleId :
TWP02

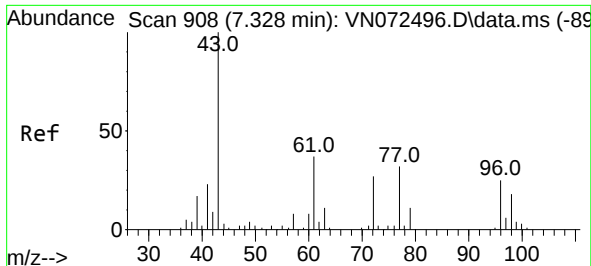
Tgt Ion: 65 Resp: 75047
Ion Ratio Lower Upper
65 100
67 48.2 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072518.D
Acq: 16 May 2022 22:10

Tgt Ion: 114 Resp: 106219
Ion Ratio Lower Upper
114 100
63 21.4 15.8 23.6
88 16.1 11.6 17.4





#30

2-Butanone

Concen: 0.295 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN072518.D

Acq: 16 May 2022 22:10

Instrument :

MSVOA_N

ClientSampleId :

TWP02

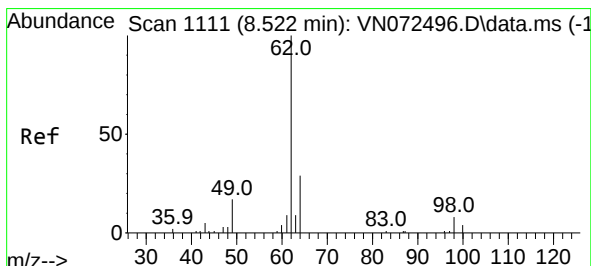
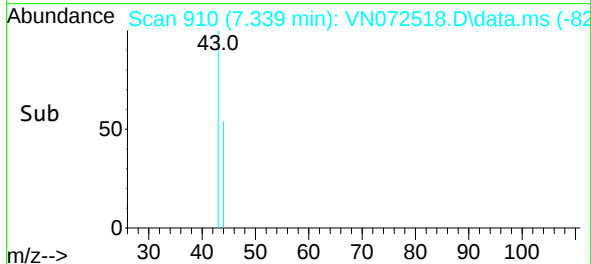
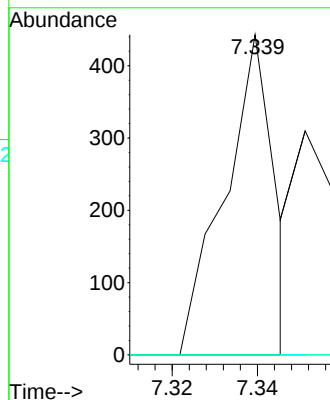
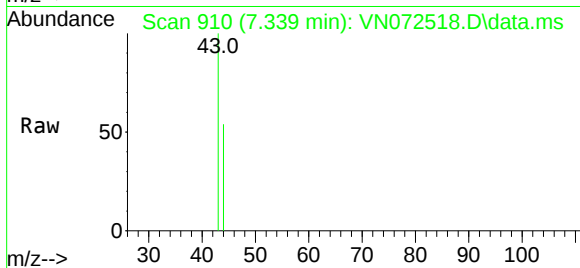
Tgt Ion: 43 Resp: 361

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: 1.392 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.441 min

Lab File: VN072518.D

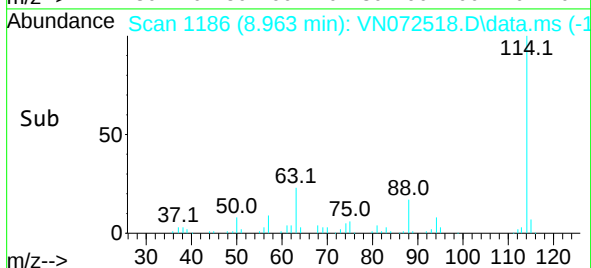
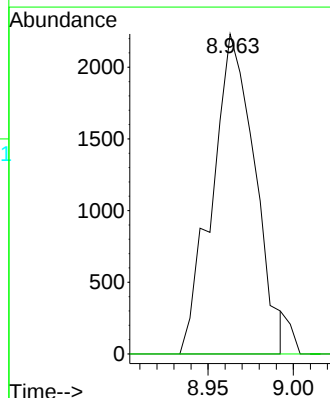
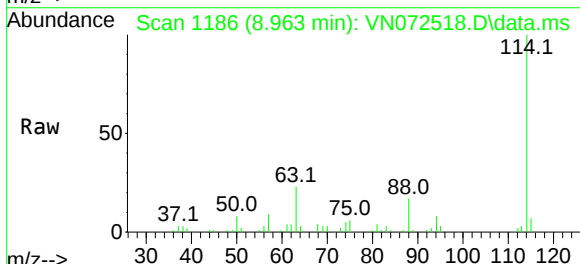
Acq: 16 May 2022 22:10

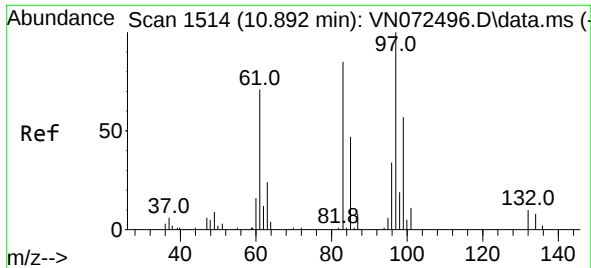
Tgt Ion: 62 Resp: 3898

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#

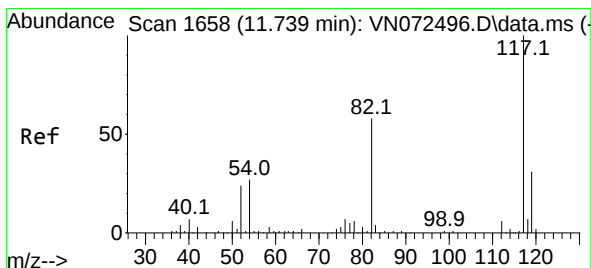
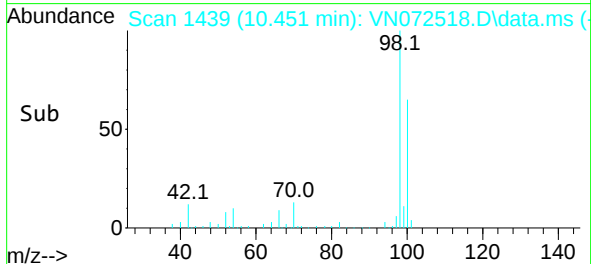
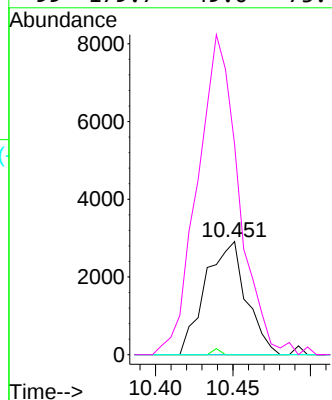
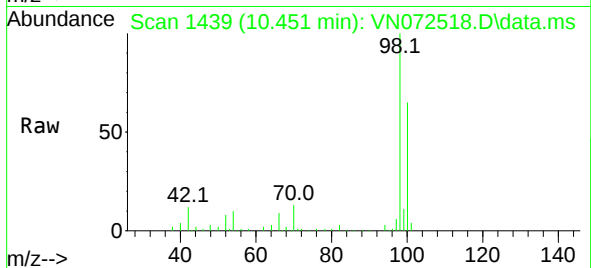




#50
1,1,2-Trichloroethane
Concen: 3.316 ug/l
RT: 10.451 min Scan# 14
Delta R.T. -0.441 min
Lab File: VN072518.D
Acq: 16 May 2022 22:10

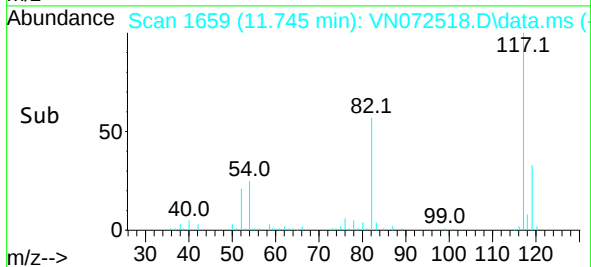
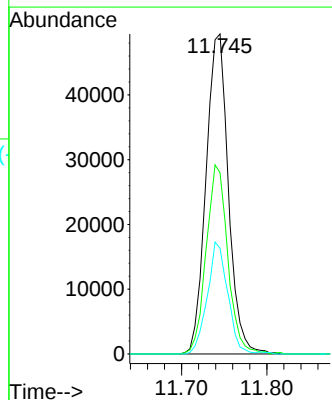
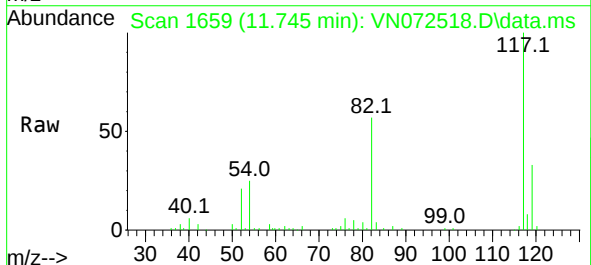
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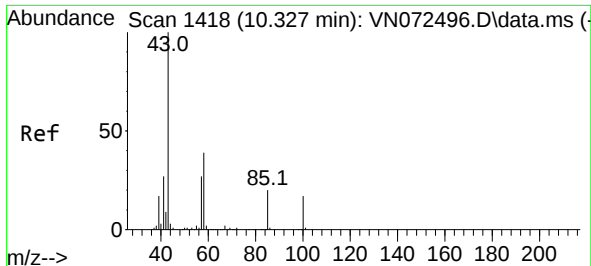
Tgt Ion: 97 Resp: 5346
Ion Ratio Lower Upper
97 100
83 0.0 67.2 100.8#
85 0.0 43.0 64.4#
99 179.7 49.0 73.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072518.D
Acq: 16 May 2022 22:10

Tgt Ion: 117 Resp: 90173
Ion Ratio Lower Upper
117 100
82 57.1 43.6 65.4
119 31.8 25.8 38.6

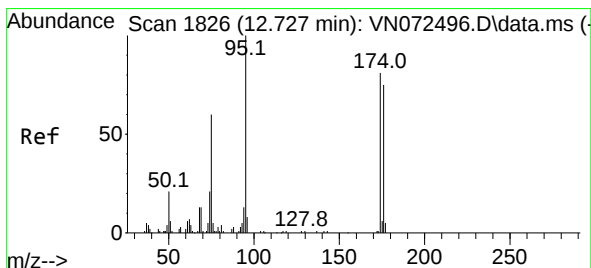
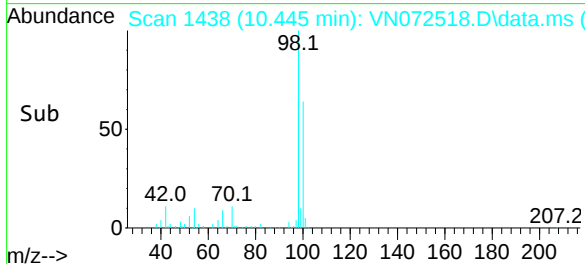
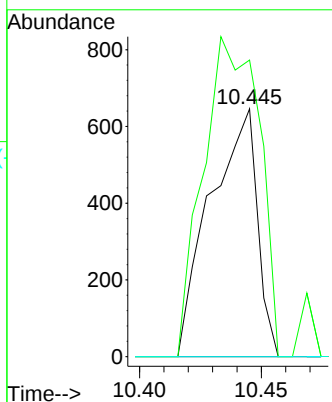
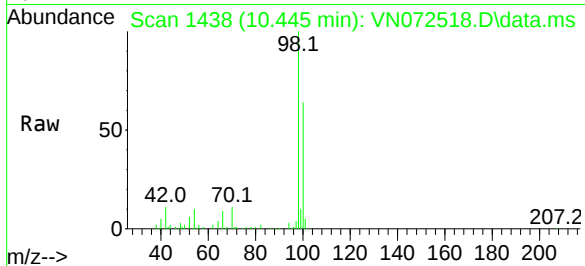




#58
4-Methyl-2-Pentanone
Concen: 0.406 ug/l
RT: 10.445 min Scan# 1418
Delta R.T. 0.118 min
Lab File: VN072518.D
Acq: 16 May 2022 22:10

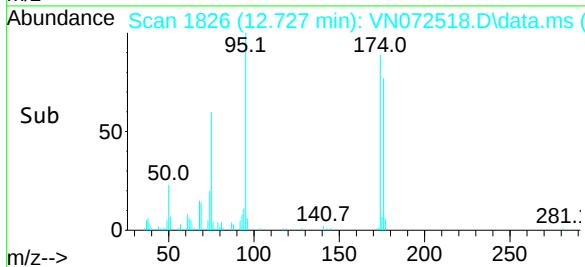
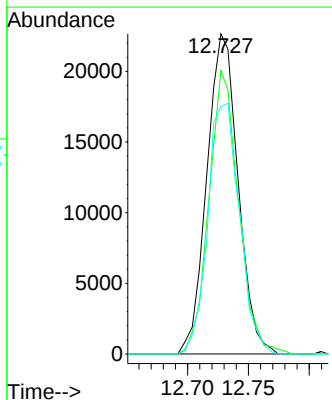
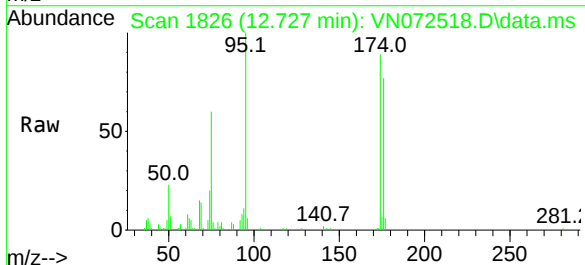
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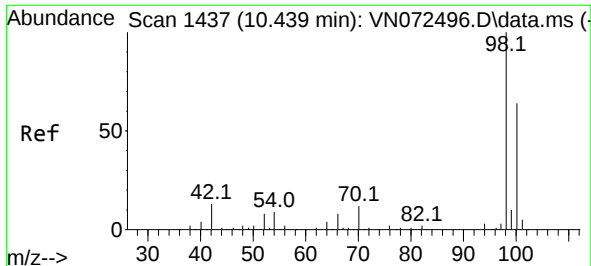
Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
58 154.5 30.0 45.0#
85 0.0 15.0 22.6#



#60
4-Bromofluorobenzene
Concen: 22.968 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072518.D
Acq: 16 May 2022 22:10

Tgt Ion: 95 Resp: 40439
Ion Ratio Lower Upper
95 100
174 84.0 62.9 94.3
176 79.9 61.0 91.4

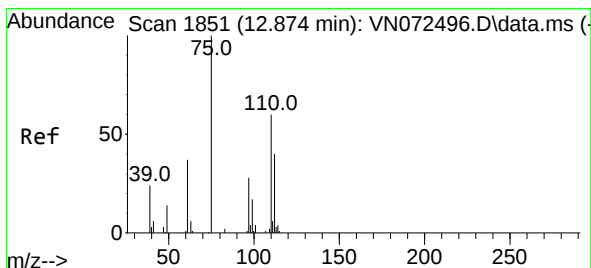
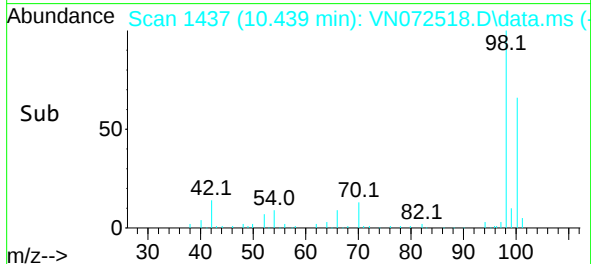
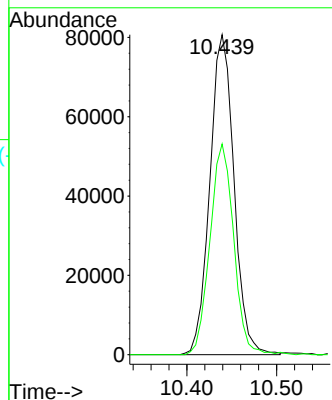
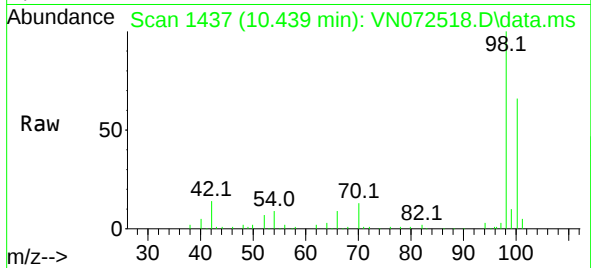




#63
Toluene-d8
Concen: 30.689 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072518.D
Acq: 16 May 2022 22:10

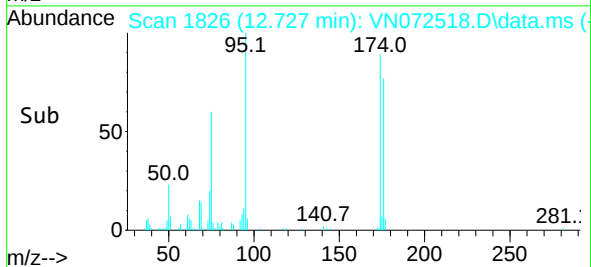
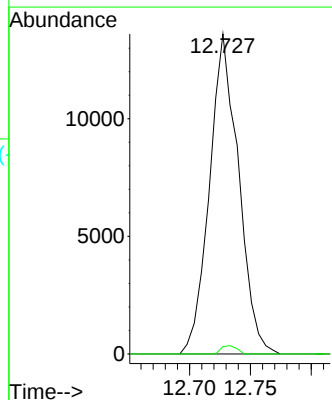
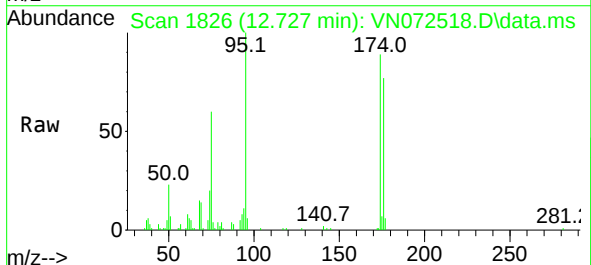
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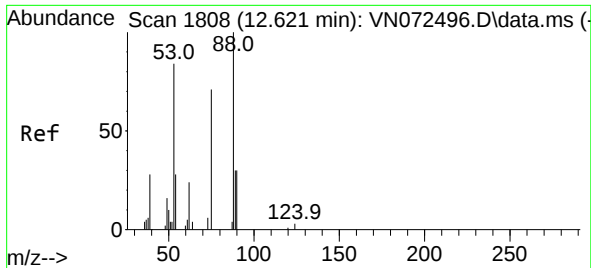
Tgt Ion: 98 Resp: 151059
Ion Ratio Lower Upper
98 100
100 64.5 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 11.588 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072518.D
Acq: 16 May 2022 22:10

Tgt Ion: 75 Resp: 22615
Ion Ratio Lower Upper
75 100
77 1.4 0.0 378.0





#77

t-1,4-Dichloro-2-butene

Concen: 35.070 ug/l

RT: 12.727 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN072518.D

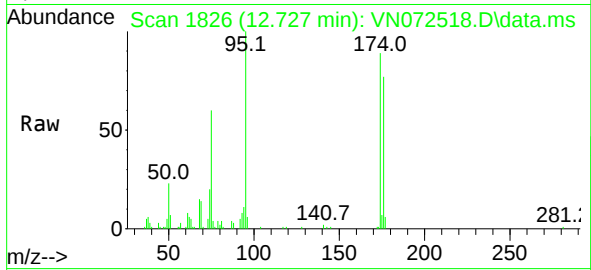
Acq: 16 May 2022 22:10

Instrument :

MSVOA_N

ClientSampleId :

TWP02



Tgt Ion: 75 Resp: 22615

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#

