

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072521.D
 Acq On : 16 May 2022 23:23
 Operator : JC\MD
 Sample : N2852-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-725

Quant Time: May 17 07:22:10 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)

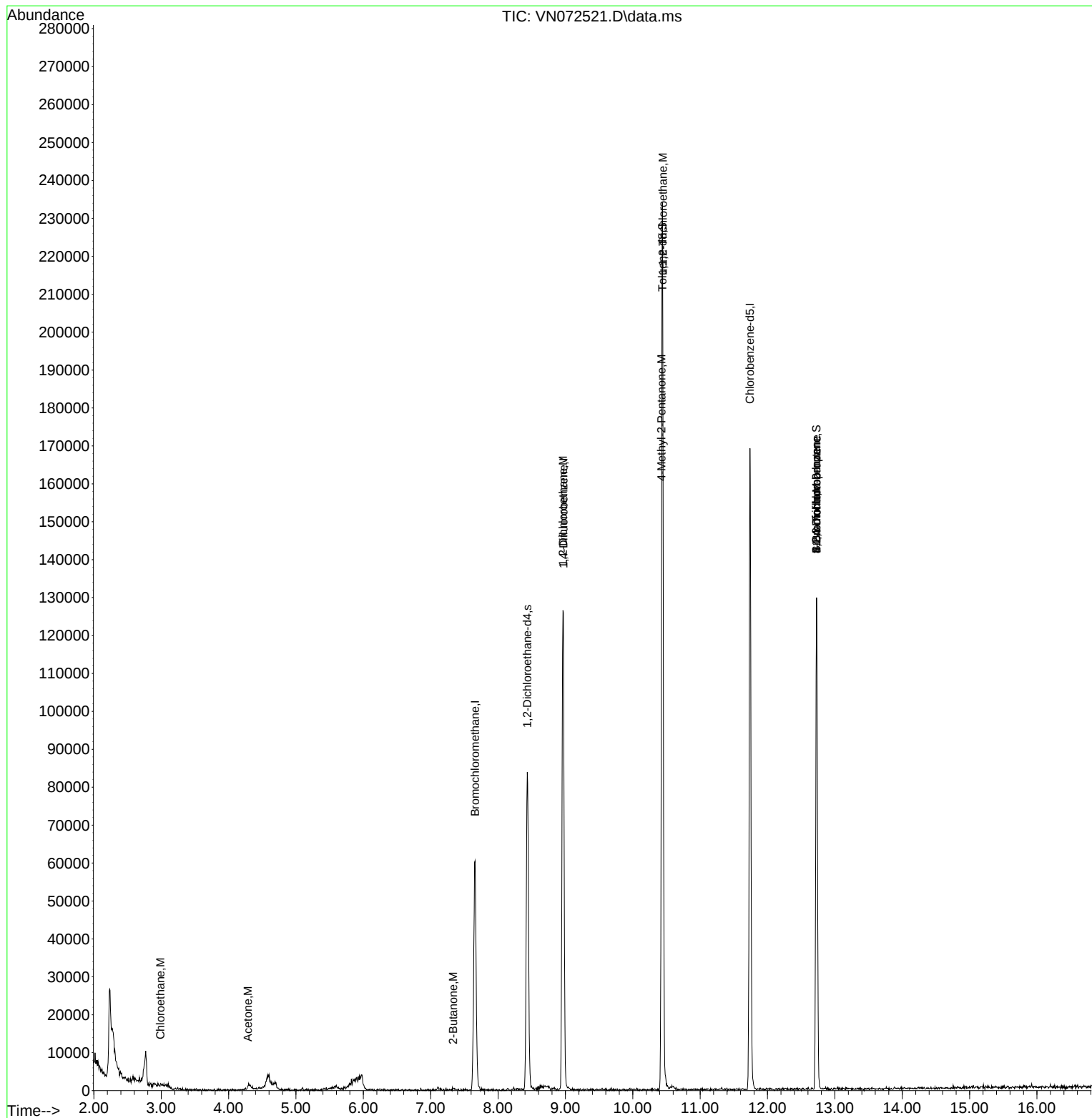
Internal Standards						
1) Bromochloromethane	7.657	128	22698	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.969	114	107385	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	94892	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	79201	31.010	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.367%
60) 4-Bromofluorobenzene	12.727	95	45074	24.327	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.100%
63) Toluene-d8	10.439	98	158003	30.503	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.667%
Target Compounds						
					Qvalue	
6) Chloroethane	2.987	64	1062	1.131	ug/l #	44
15) Acetone	4.287	58	242	0.937	ug/l #	1
30) 2-Butanone	7.333	43	1100	0.889	ug/l #	53
36) 1,2-Dichloroethane	8.963	62	4736	1.673	ug/l #	77
50) 1,1,2-Trichloroethane	10.445	97	5062	3.106	ug/l #	1
56) Bromoform	12.727	173	328	0.221	ug/l #	1
58) 4-Methyl-2-Pentanone	10.427	43	524	0.234	ug/l #	44
72) 1,2,3-Trichloropropane	12.727	75	24268	11.816	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	24268	35.762	ug/l #	8

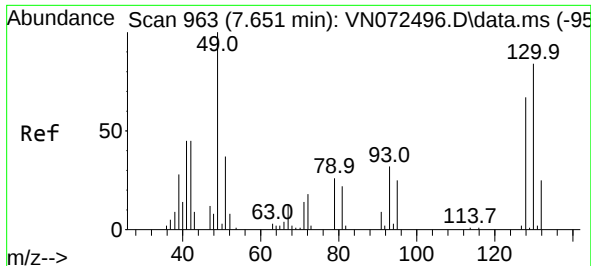
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 17 06:34:50 2022
Response via : Initial Calibration

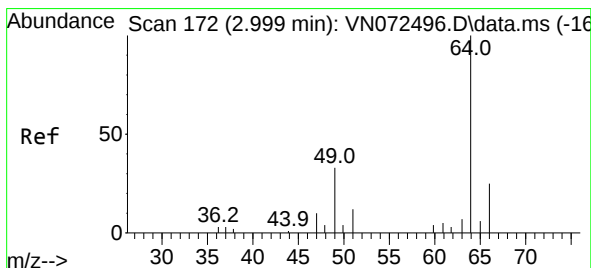
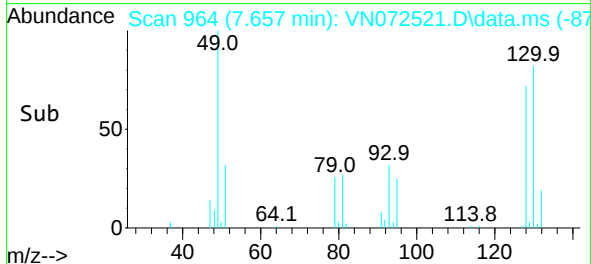
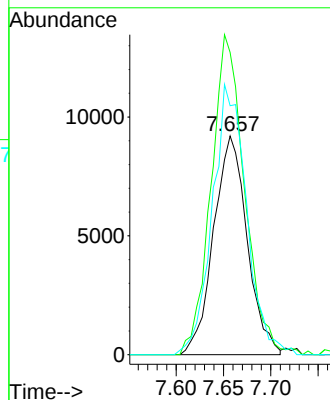
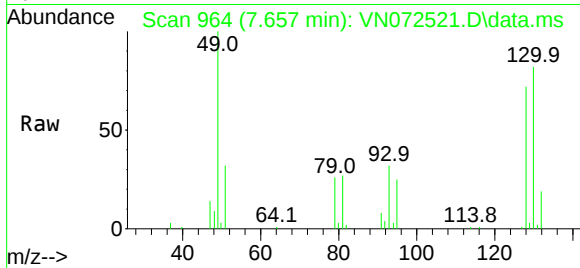




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072521.D
Acq: 16 May 2022 23:23

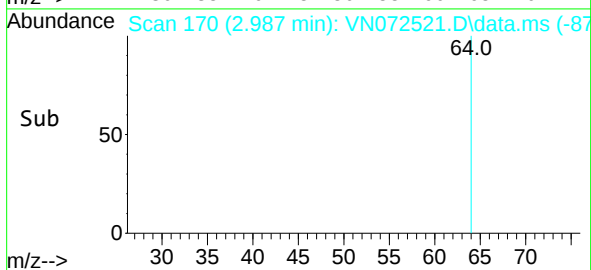
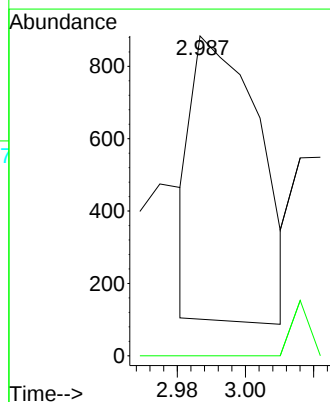
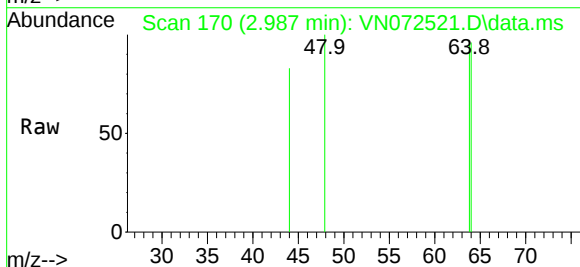
Instrument :
MSVOA_N
ClientSampleId :
MH-725

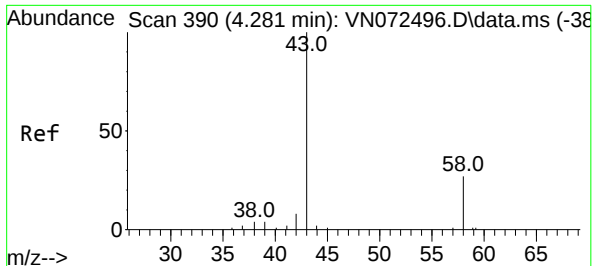
Tgt Ion:128 Resp: 22698
Ion Ratio Lower Upper
128 100
49 144.7 0.0 392.3
130 125.6 0.0 320.2



#6
Chloroethane
Concen: 1.131 ug/l
RT: 2.987 min Scan# 170
Delta R.T. -0.012 min
Lab File: VN072521.D
Acq: 16 May 2022 23:23

Tgt Ion: 64 Resp: 1062
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#





#15

Acetone

Concen: 0.937 ug/l

RT: 4.287 min Scan# 390

Delta R.T. 0.006 min

Lab File: VN072521.D

Acq: 16 May 2022 23:23

Instrument :

MSVOA_N

ClientSampleId :

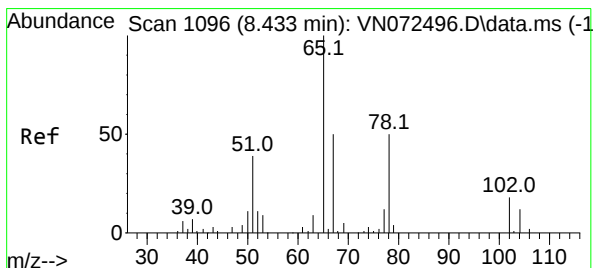
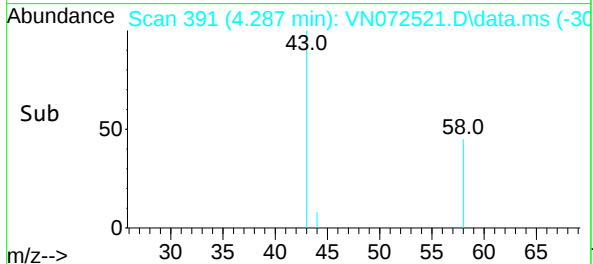
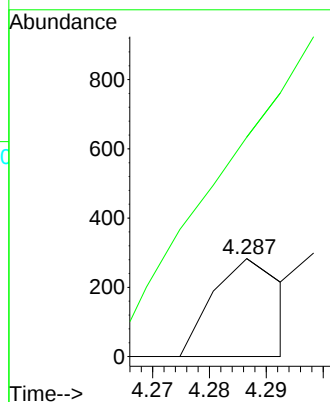
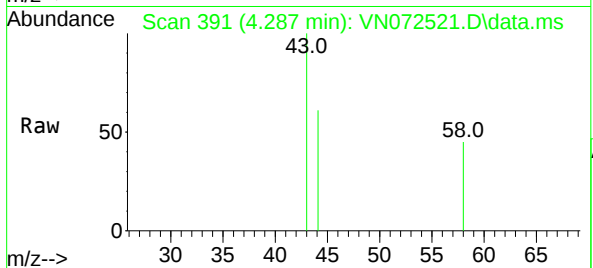
MH-725

Tgt Ion: 58 Resp: 242

Ion Ratio Lower Upper

58 100

43 94.3 256.6 384.8#



#27

1,2-Dichloroethane-d4

Concen: 31.010 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072521.D

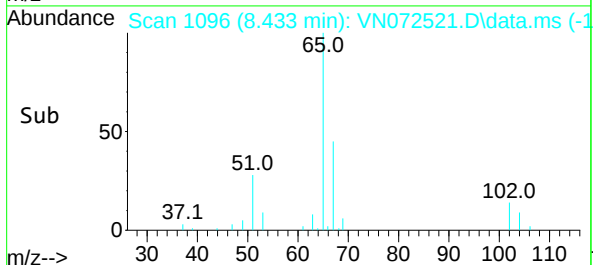
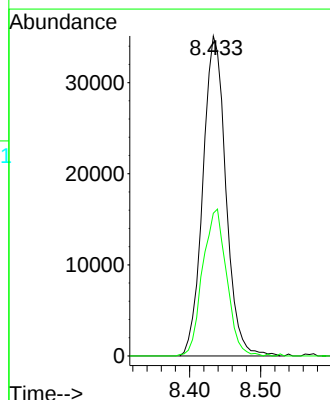
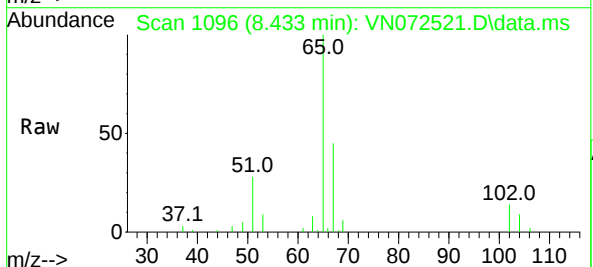
Acq: 16 May 2022 23:23

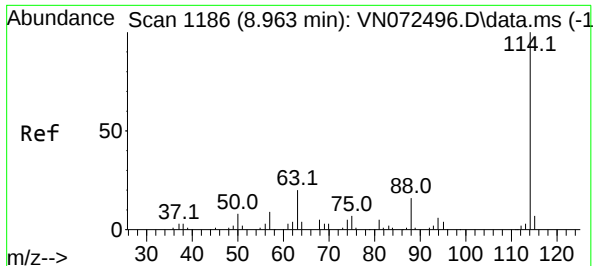
Tgt Ion: 65 Resp: 79201

Ion Ratio Lower Upper

65 100

67 47.8 40.2 60.2

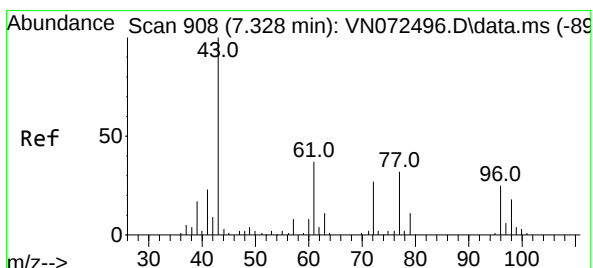
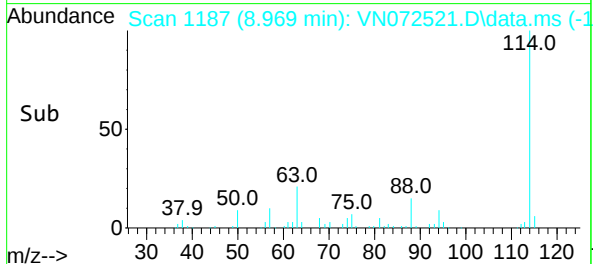
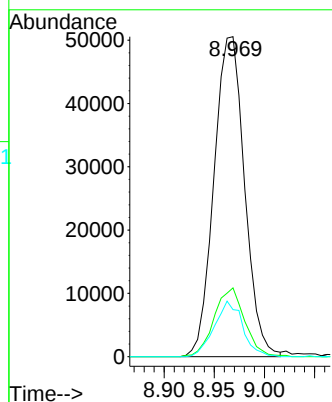
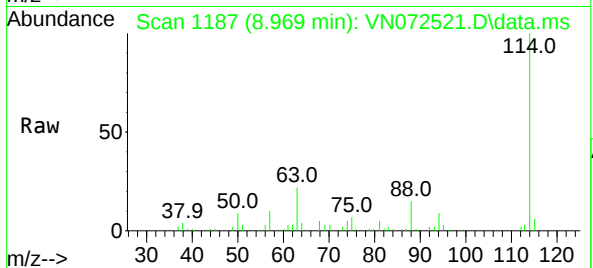




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN072521.D
Acq: 16 May 2022 23:23

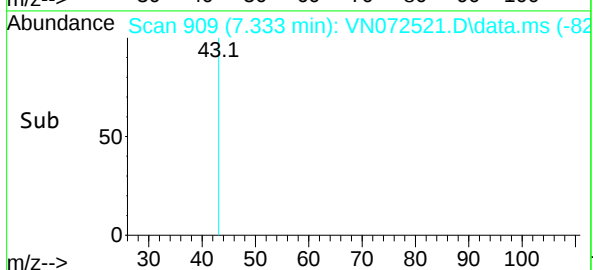
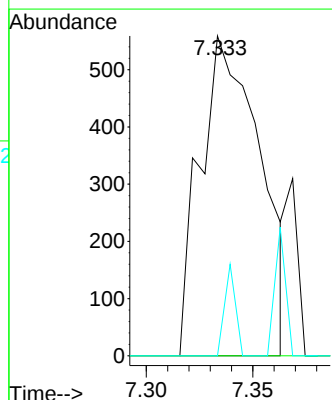
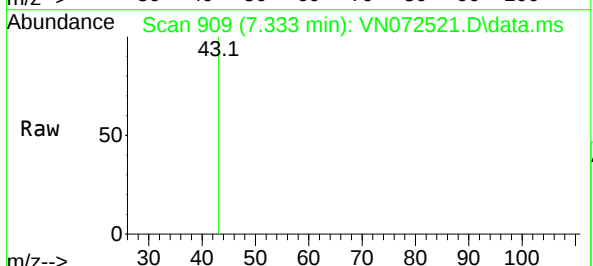
Instrument :
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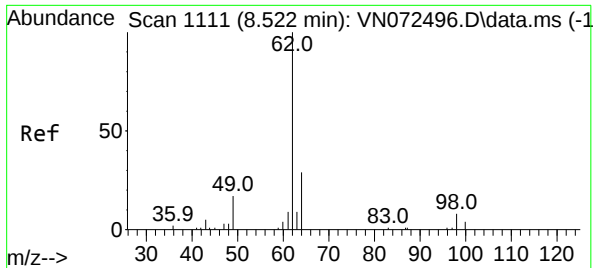
Tgt Ion:114 Resp: 107385
Ion Ratio Lower Upper
114 100
63 21.4 15.8 23.6
88 16.1 11.6 17.4



#30
2-Butanone
Concen: 0.889 ug/l
RT: 7.333 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072521.D
Acq: 16 May 2022 23:23

Tgt Ion: 43 Resp: 1100
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 23.2 34.8#

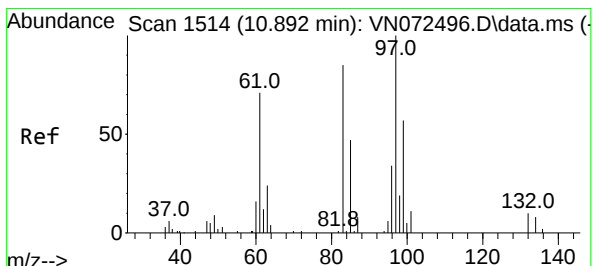
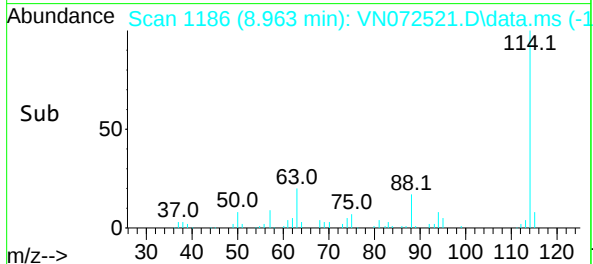
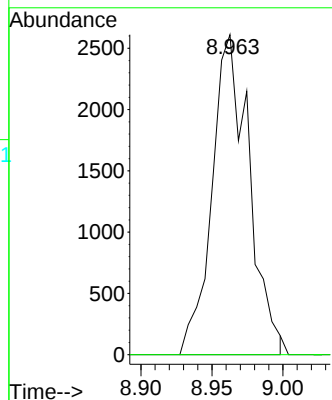
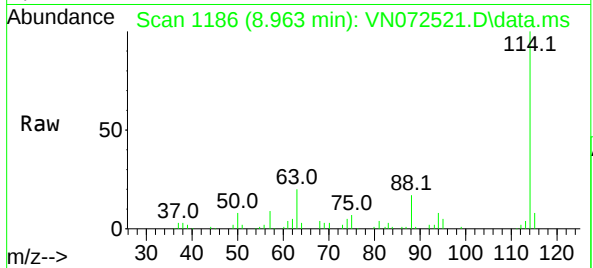




#36
 1,2-Dichloroethane
 Concen: 1.673 ug/l
 RT: 8.963 min Scan# 1111
 Delta R.T. 0.441 min
 Lab File: VN072521.D
 Acq: 16 May 2022 23:23

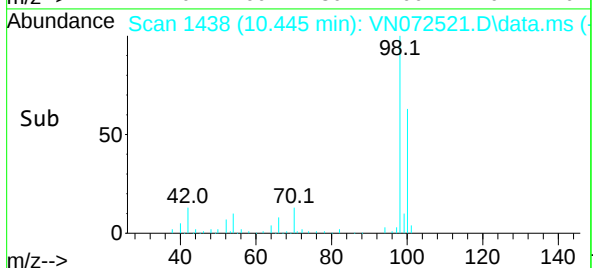
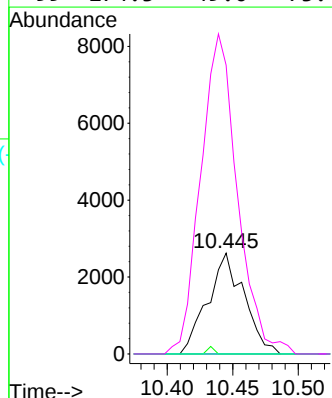
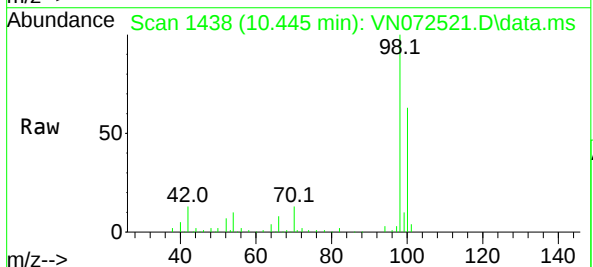
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 MSVOA_N
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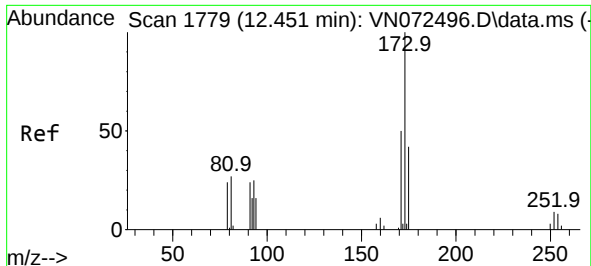
Tgt Ion: 62 Resp: 4736
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#50
 1,1,2-Trichloroethane
 Concen: 3.106 ug/l
 RT: 10.445 min Scan# 1438
 Delta R.T. -0.447 min
 Lab File: VN072521.D
 Acq: 16 May 2022 23:23

Tgt Ion: 97 Resp: 5062
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.2 100.8#
 85 0.0 43.0 64.4#
 99 274.3 49.0 73.4#

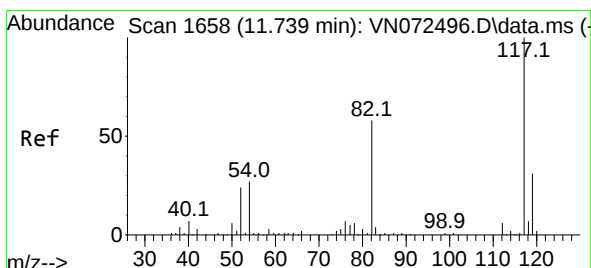
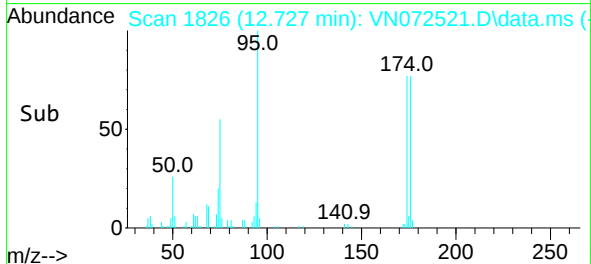
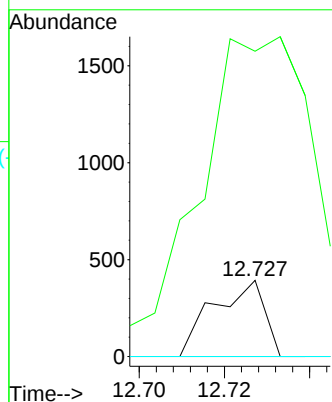
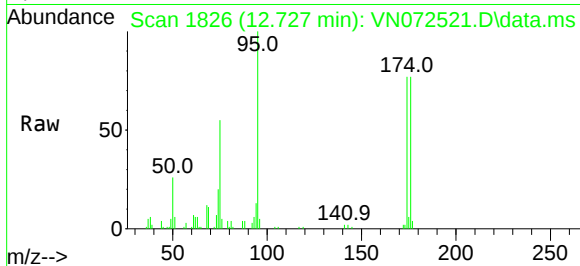




#56
Bromoform
Concen: 0.221 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.276 min
Lab File: VN072521.D
Acq: 16 May 2022 23:23

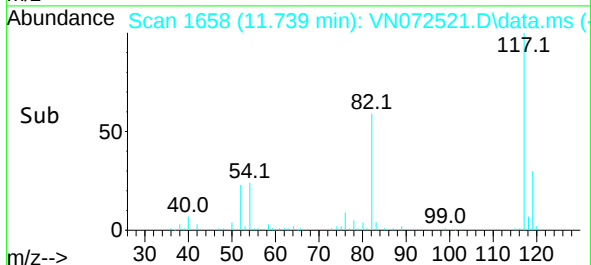
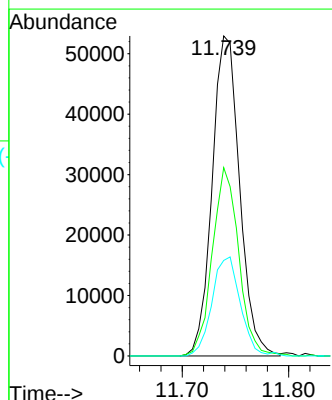
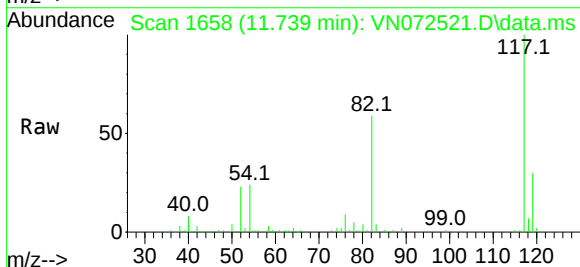
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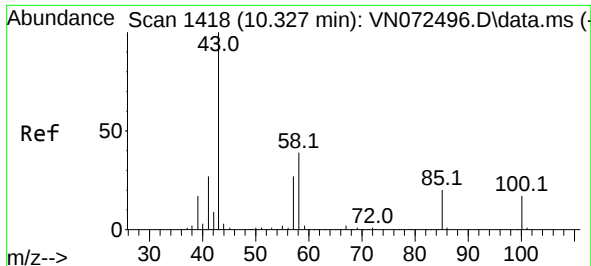
Tgt Ion:173 Resp: 328
Ion Ratio Lower Upper
173 100
175 964.0 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN072521.D
Acq: 16 May 2022 23:23

Tgt Ion:117 Resp: 94892
Ion Ratio Lower Upper
117 100
82 56.5 43.6 65.4
119 31.7 25.8 38.6

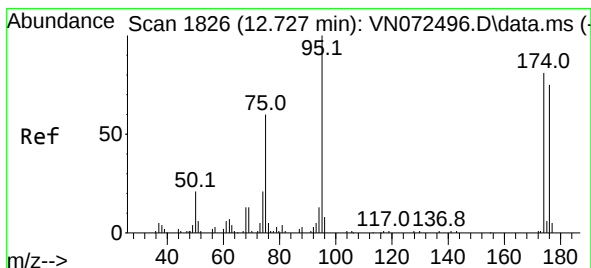
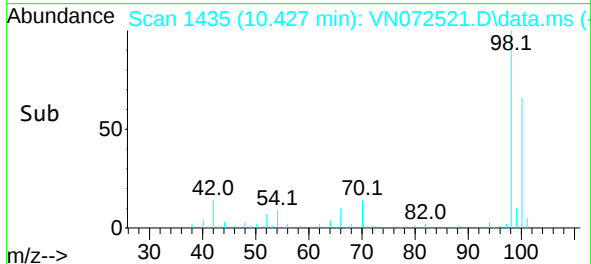
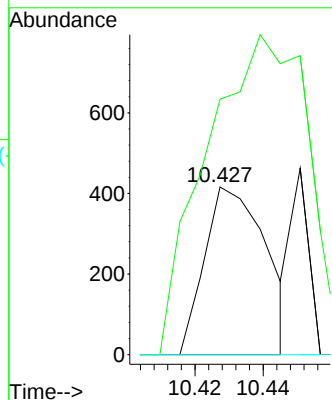
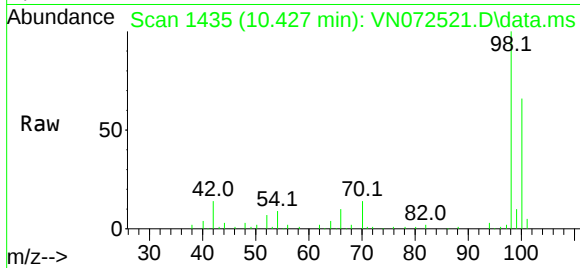




#58
4-Methyl-2-Pentanone
Concen: 0.234 ug/l
RT: 10.427 min Scan# 1418
Delta R.T. 0.100 min
Lab File: VN072521.D
Acq: 16 May 2022 23:23

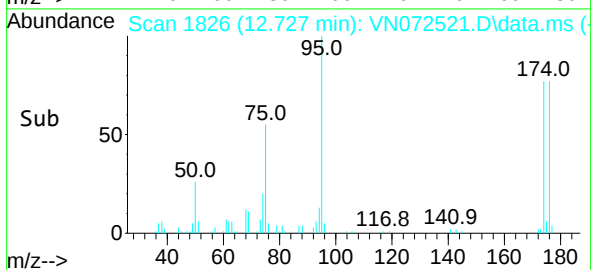
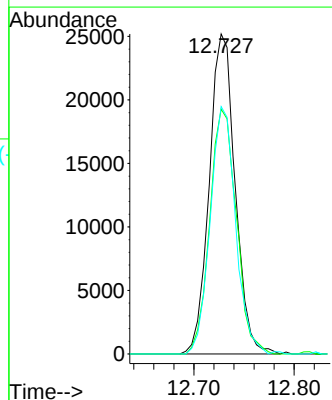
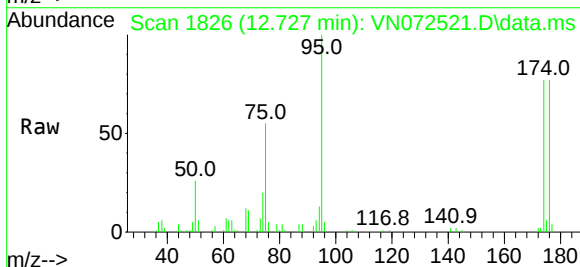
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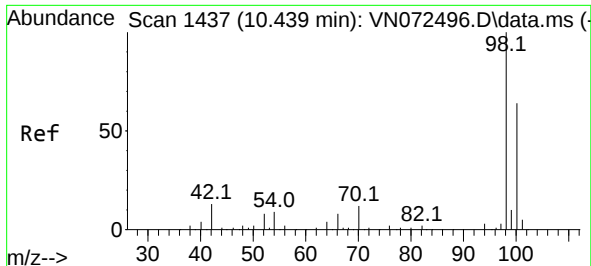
Tgt Ion: 43 Resp: 524
Ion Ratio Lower Upper
43 100
58 0.0 30.0 45.0#
85 0.0 15.0 22.6#



#60
4-Bromofluorobenzene
Concen: 24.327 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN072521.D
Acq: 16 May 2022 23:23

Tgt Ion: 95 Resp: 45074
Ion Ratio Lower Upper
95 100
174 78.7 62.9 94.3
176 75.8 61.0 91.4

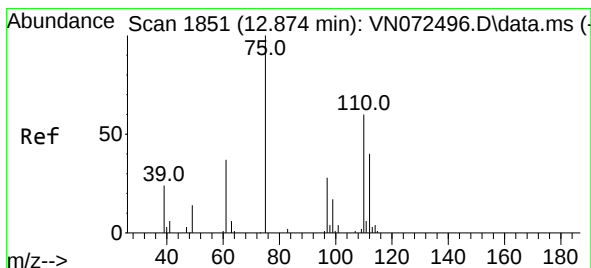
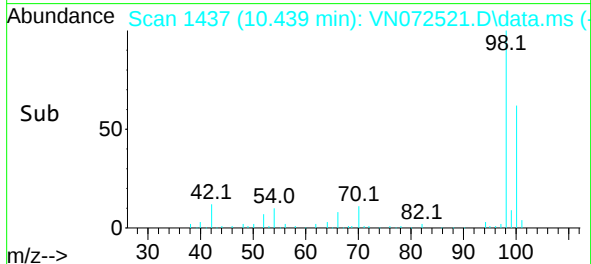
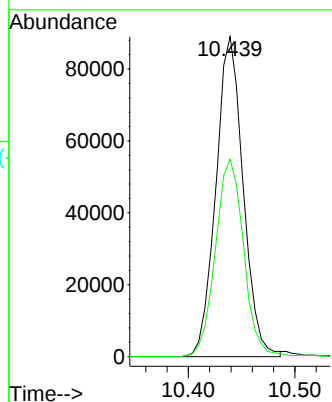
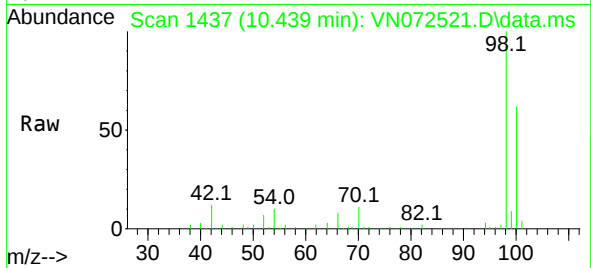




#63
Toluene-d8
Concen: 30.503 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN072521.D
Acq: 16 May 2022 23:23

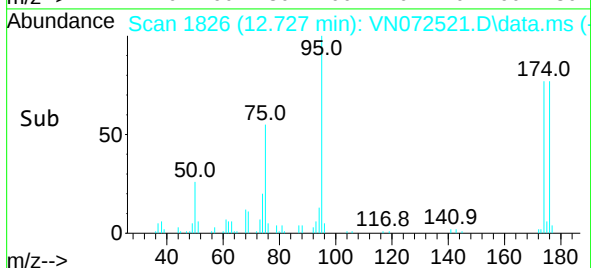
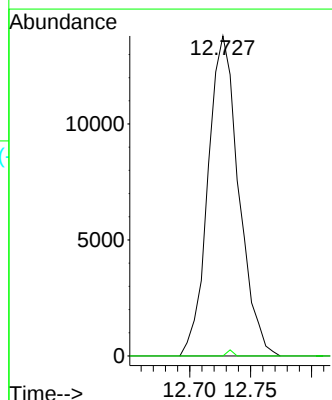
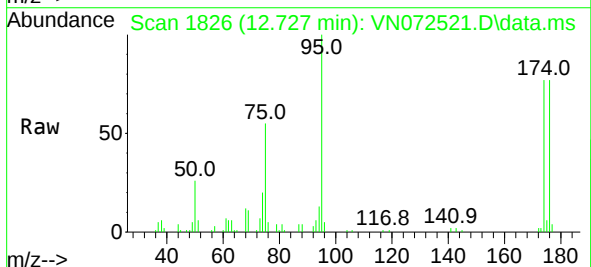
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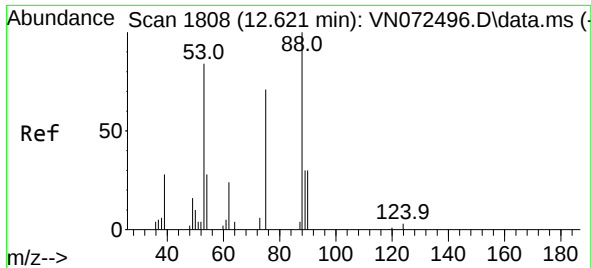
Tgt Ion: 98 Resp: 158003
Ion Ratio Lower Upper
98 100
100 63.7 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 11.816 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072521.D
Acq: 16 May 2022 23:23

Tgt Ion: 75 Resp: 24268
Ion Ratio Lower Upper
75 100
77 0.0 0.0 378.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 35.762 ug/l
 RT: 12.727 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN072521.D
 Acq: 16 May 2022 23:23

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-725

Tgt Ion: 75 Resp: 24268
 Ion Ratio Lower Upper
 75 100
 53 0.0 51.8 155.5#
 89 0.0 22.9 68.7#

