

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072516.D
 Acq On : 16 May 2022 21:22
 Operator : JC\MD
 Sample : N2804-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FEDUP

Quant Time: May 17 07:21:15 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)

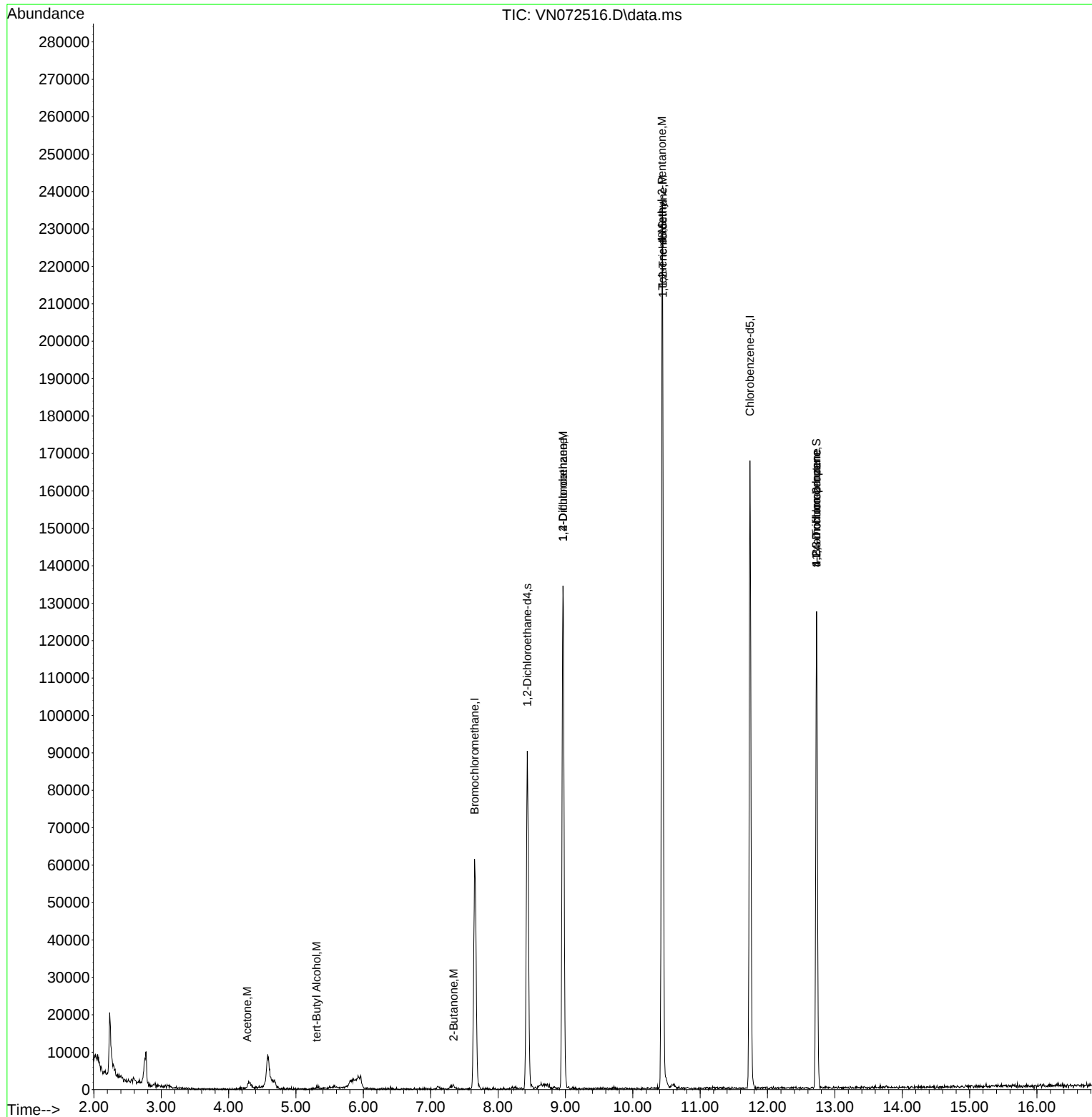
Internal Standards						
1) Bromochloromethane	7.651	128	23035	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	112541	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	96333	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	80707	31.137	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.800%
60) 4-Bromofluorobenzene	12.727	95	42640	22.669	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	75.567%
63) Toluene-d8	10.439	98	160486	30.519	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.733%
Target Compounds						
					Qvalue	
15) Acetone	4.275	58	56	0.214	ug/l #	1
23) tert-Butyl Alcohol	5.304	59	110	0.251	ug/l #	100
30) 2-Butanone	7.340	43	937	0.722	ug/l #	53
36) 1,2-Dichloroethane	8.963	62	5071	1.710	ug/l #	77
50) 1,1,2-Trichloroethane	10.445	97	5568	3.260	ug/l #	1
58) 4-Methyl-2-Pentanone	10.433	43	615	0.271	ug/l #	1
72) 1,2,3-Trichloropropane	12.727	75	24109	11.563	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	24109	34.996	ug/l #	8

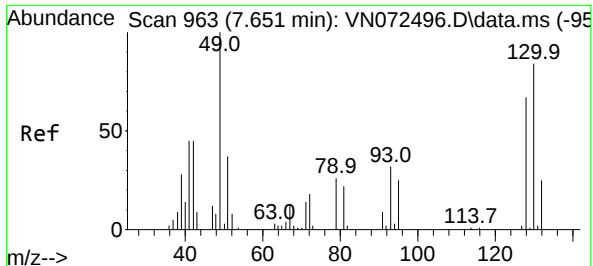
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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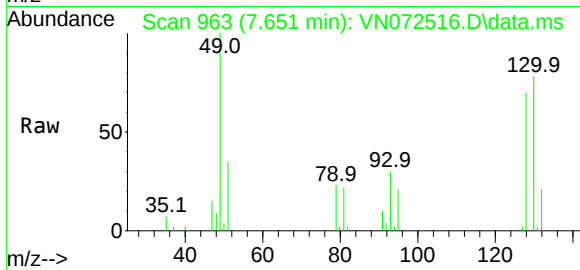
Quant Time: May 17 07:21:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 17 06:34:50 2022
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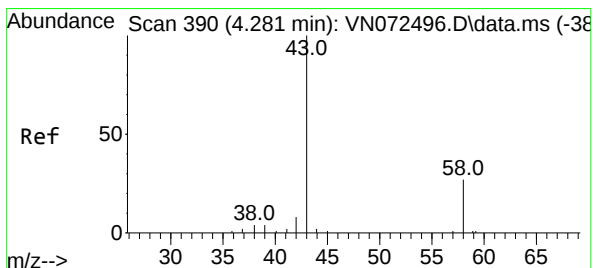
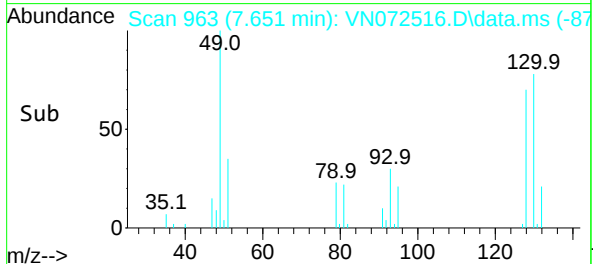
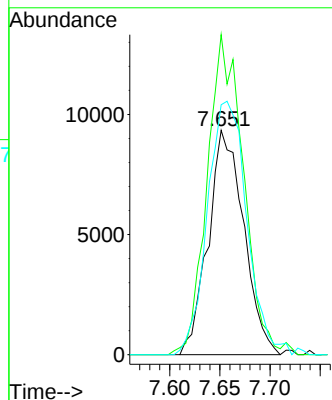


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN072516.D
Acq: 16 May 2022 21:22

Instrument :
MSVOA_N
ClientSampleId :
FEDUP

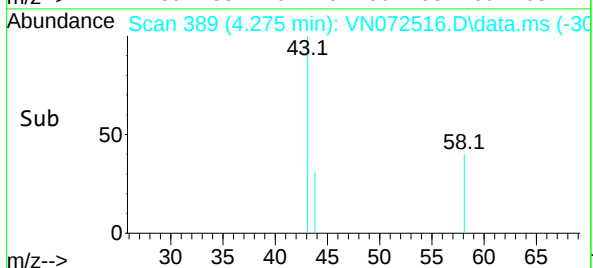
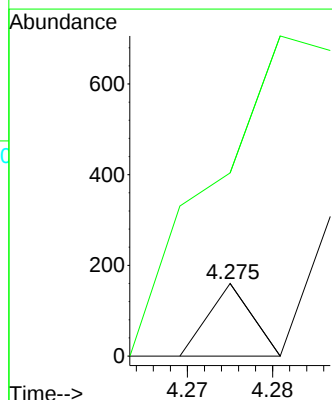
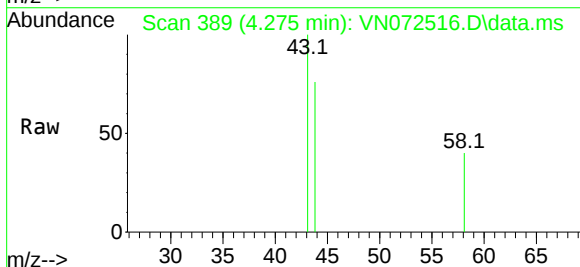


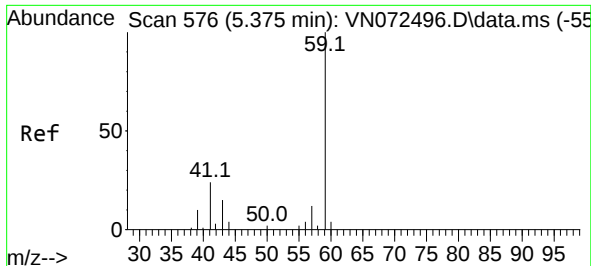
Tgt Ion:128 Resp: 23035
Ion Ratio Lower Upper
128 100
49 144.3 0.0 392.3
130 123.6 0.0 320.2



#15
Acetone
Concen: 0.214 ug/l
RT: 4.275 min Scan# 389
Delta R.T. -0.006 min
Lab File: VN072516.D
Acq: 16 May 2022 21:22

Tgt Ion: 58 Resp: 56
Ion Ratio Lower Upper
58 100
43 45.6 256.6 384.8#

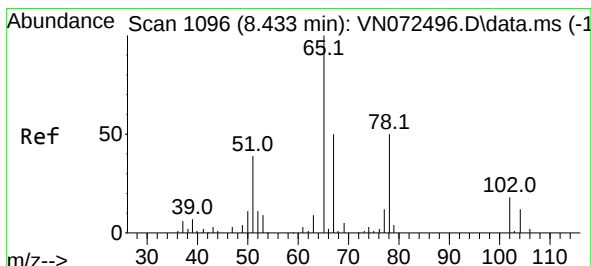
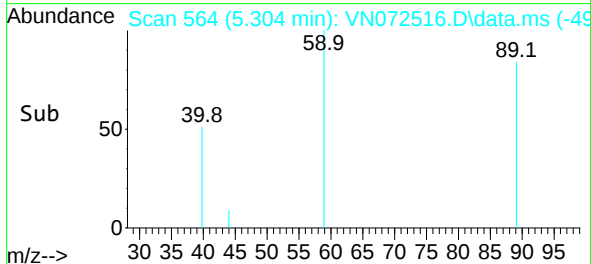
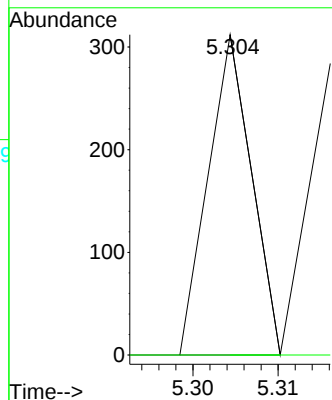
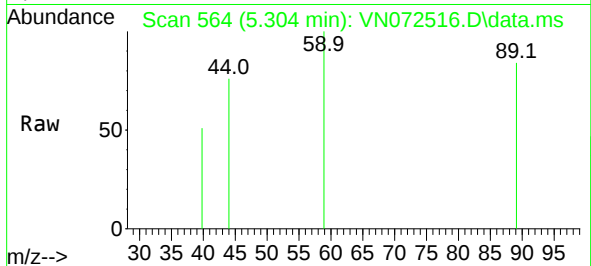




#23
tert-Butyl Alcohol
Concen: 0.251 ug/l
RT: 5.304 min Scan# 51
Delta R.T. -0.071 min
Lab File: VN072516.D
Acq: 16 May 2022 21:22

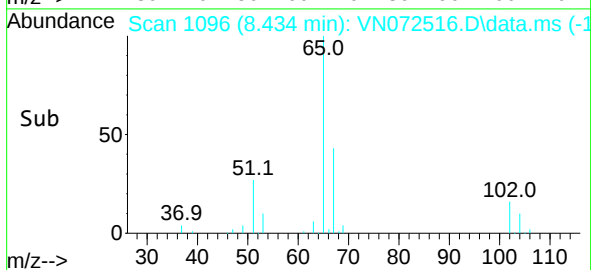
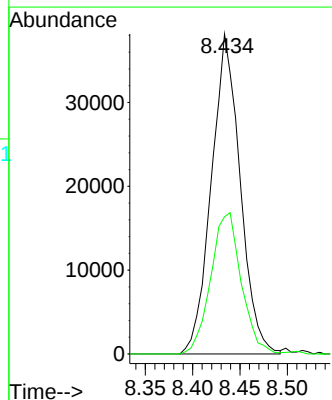
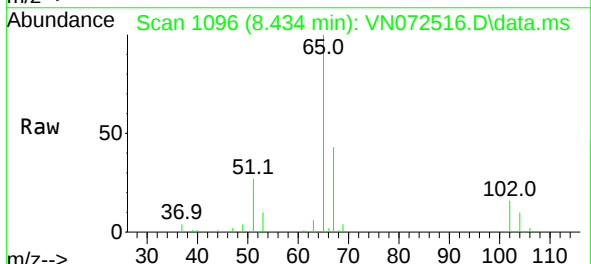
Instrument :
MSVOA_N
ClientSampleId :
FEDUP

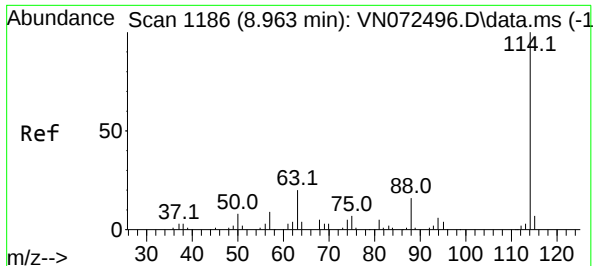
Tgt Ion: 59 Resp: 110
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 31.137 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072516.D
Acq: 16 May 2022 21:22

Tgt Ion: 65 Resp: 80707
Ion Ratio Lower Upper
65 100
67 46.8 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: VN072516.D

Acq: 16 May 2022 21:22

Instrument :

MSVOA_N

ClientSampleId :

FEDUP

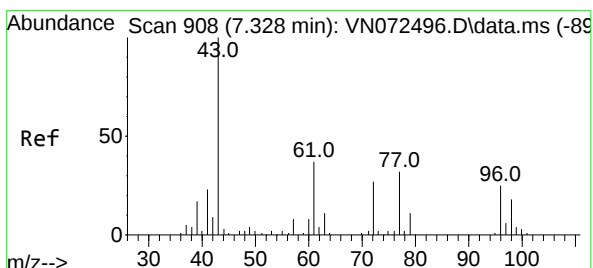
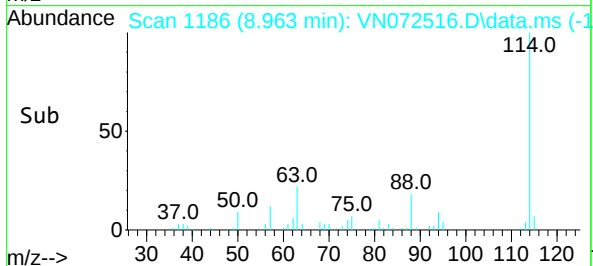
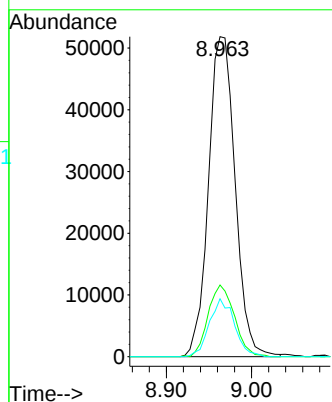
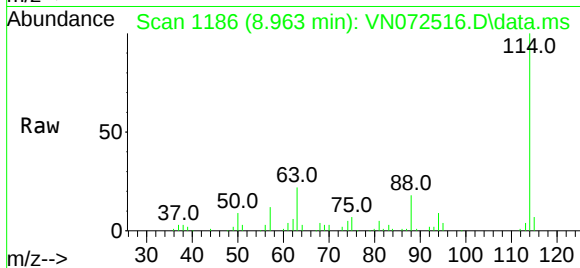
Tgt Ion:114 Resp: 112541

Ion Ratio Lower Upper

114 100

63 22.0 15.8 23.6

88 17.1 11.6 17.4



#30

2-Butanone

Concen: 0.722 ug/l

RT: 7.340 min Scan# 910

Delta R.T. 0.012 min

Lab File: VN072516.D

Acq: 16 May 2022 21:22

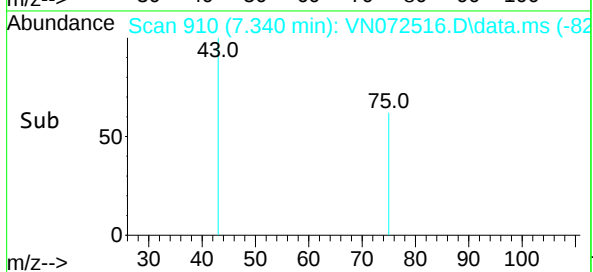
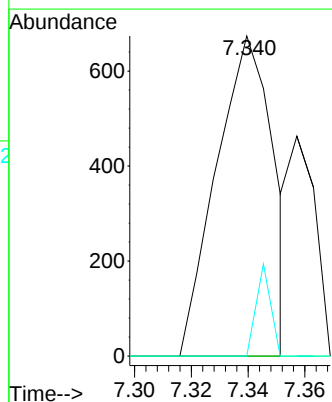
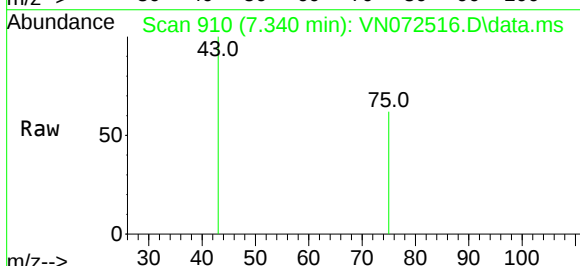
Tgt Ion: 43 Resp: 937

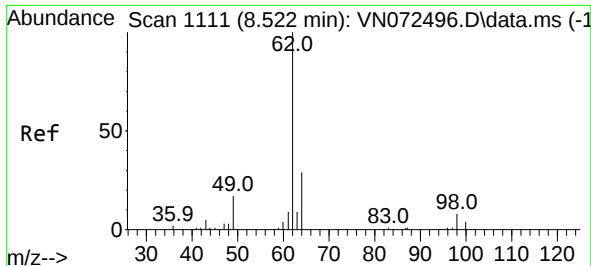
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 0.0 23.2 34.8#





#36

1,2-Dichloroethane

Concen: 1.710 ug/l

RT: 8.963 min Scan# 1111

Delta R.T. 0.441 min

Lab File: VN072516.D

Acq: 16 May 2022 21:22

Instrument :

MSVOA_N

ClientSampleId :

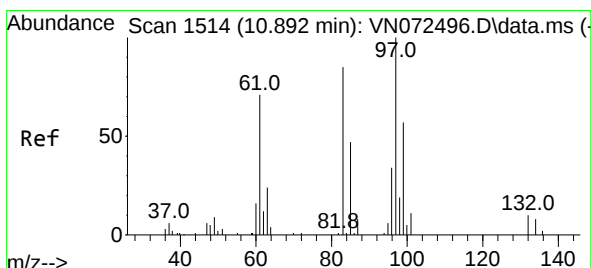
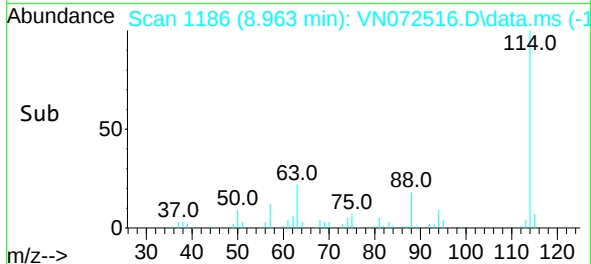
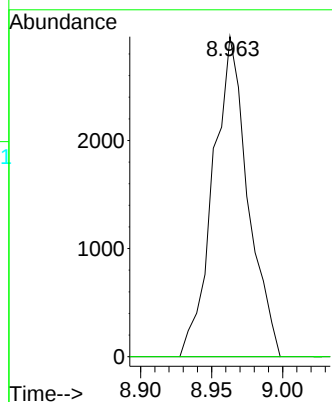
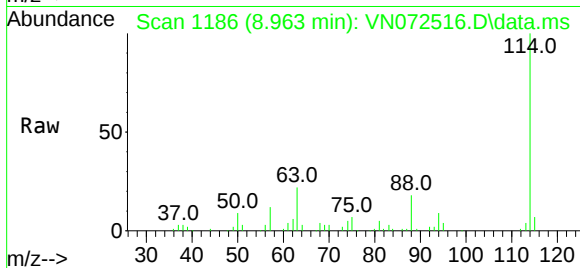
FEDUP

Tgt Ion: 62 Resp: 5071

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#50

1,1,2-Trichloroethane

Concen: 3.260 ug/l

RT: 10.445 min Scan# 1438

Delta R.T. -0.447 min

Lab File: VN072516.D

Acq: 16 May 2022 21:22

Tgt Ion: 97 Resp: 5568

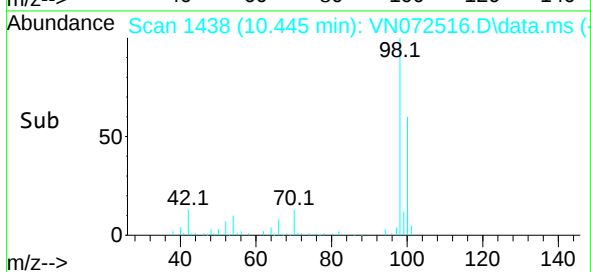
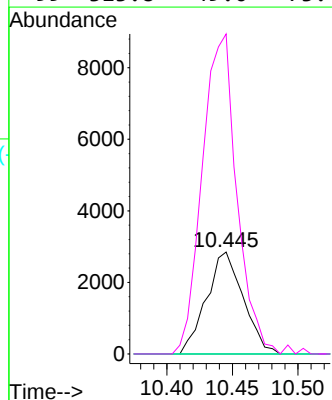
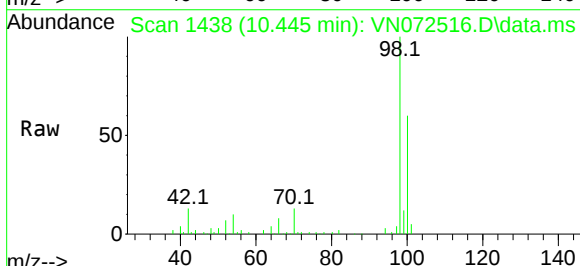
Ion Ratio Lower Upper

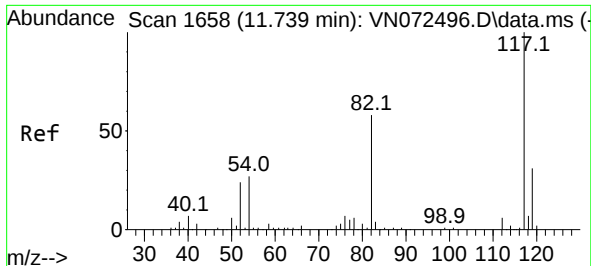
97 100

83 0.0 67.2 100.8#

85 0.0 43.0 64.4#

99 313.8 49.0 73.4#

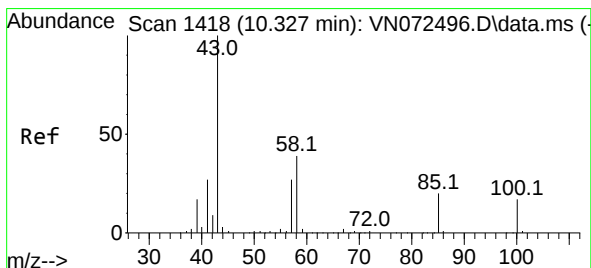
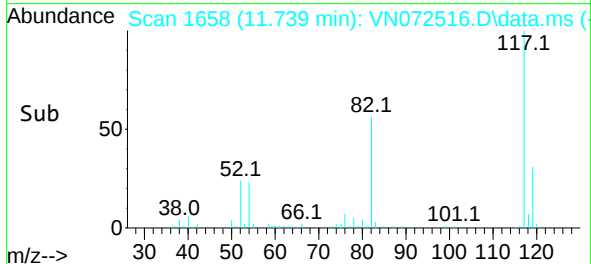
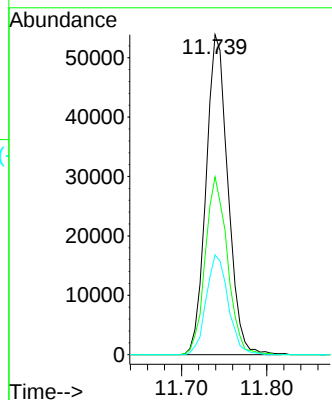
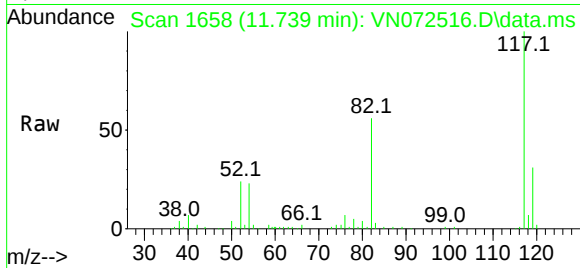




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072516.D
Acq: 16 May 2022 21:22

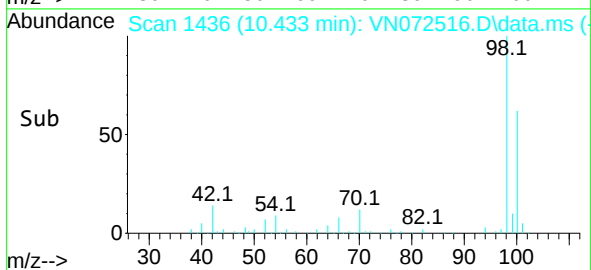
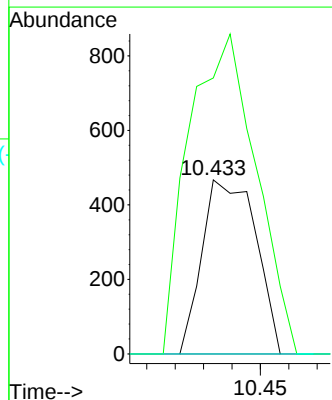
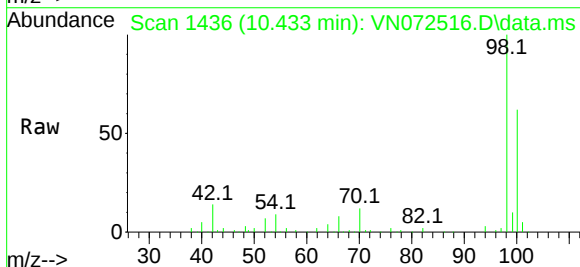
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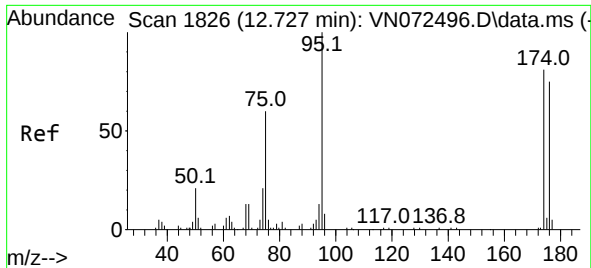
Tgt Ion:117 Resp: 96333
Ion Ratio Lower Upper
117 100
82 55.8 43.6 65.4
119 31.4 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.271 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. 0.106 min
Lab File: VN072516.D
Acq: 16 May 2022 21:22

Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
58 229.6 30.0 45.0#
85 0.0 15.0 22.6#

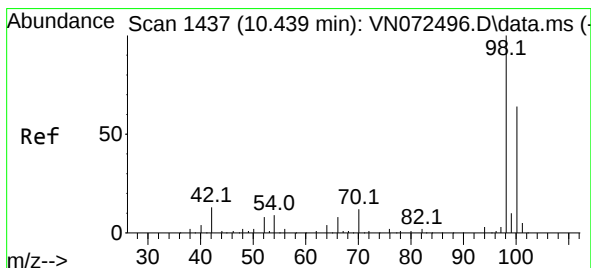
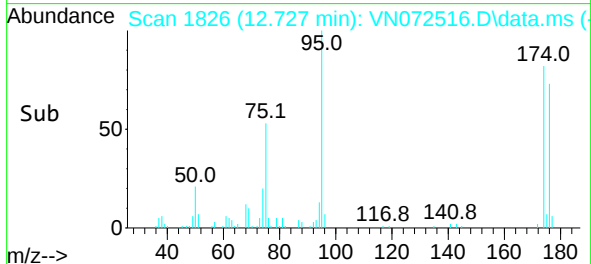
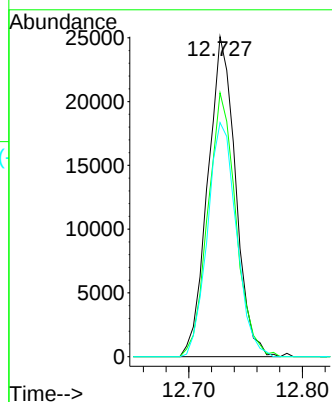
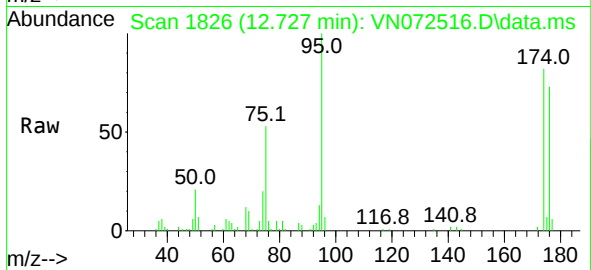




#60
4-Bromofluorobenzene
Concen: 22.669 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072516.D
Acq: 16 May 2022 21:22

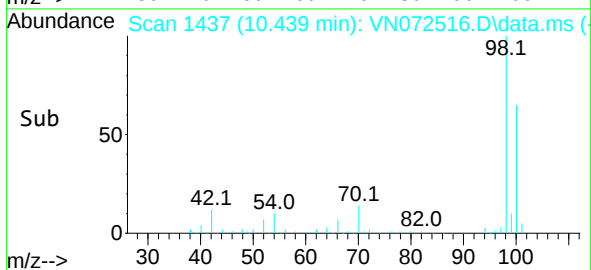
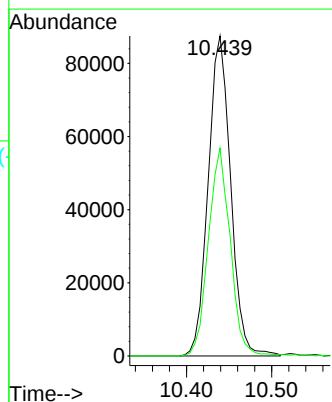
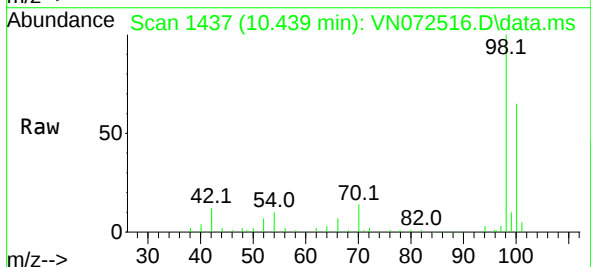
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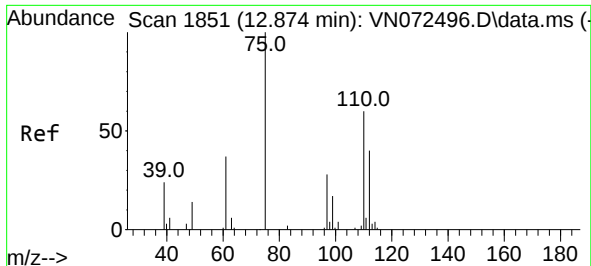
Tgt Ion: 95 Resp: 42640
Ion Ratio Lower Upper
95 100
174 82.8 62.9 94.3
176 75.9 61.0 91.4



#63
Toluene-d8
Concen: 30.519 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072516.D
Acq: 16 May 2022 21:22

Tgt Ion: 98 Resp: 160486
Ion Ratio Lower Upper
98 100
100 63.3 50.6 76.0

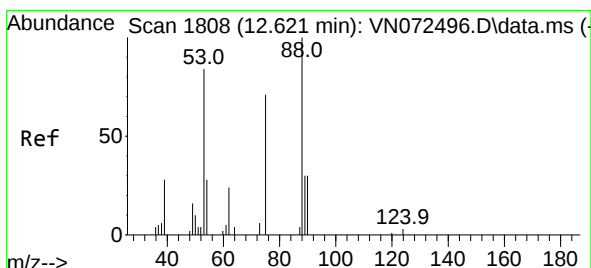
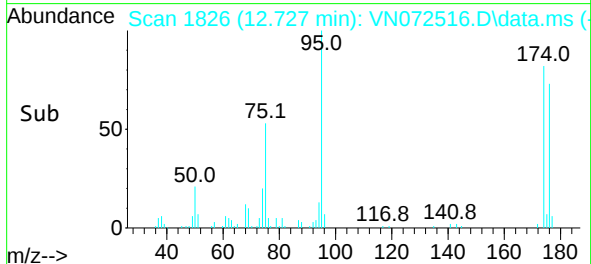
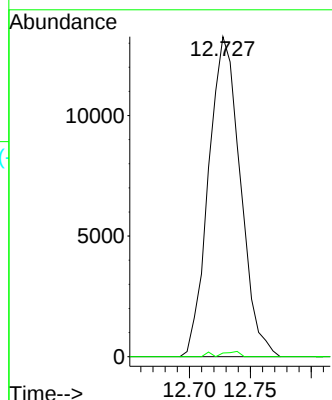
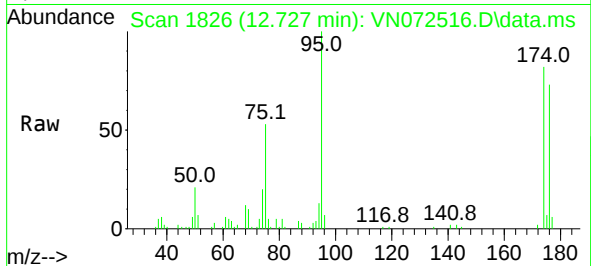




#72
1,2,3-Trichloropropane
Concen: 11.563 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072516.D
Acq: 16 May 2022 21:22

Instrument :
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Tgt Ion: 75 Resp: 24109
Ion Ratio Lower Upper
75 100
77 0.8 0.0 378.0



#77
t-1,4-Dichloro-2-butene
Concen: 34.996 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072516.D
Acq: 16 May 2022 21:22

Tgt Ion: 75 Resp: 24109
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

