

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076605.D
 Acq On : 10 Feb 2023 13:21
 Operator : JC\MD
 Sample : 01375-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MANHOLE

Quant Time: Feb 11 00:55:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:40:47 2023
 Response via : Initial Calibration

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

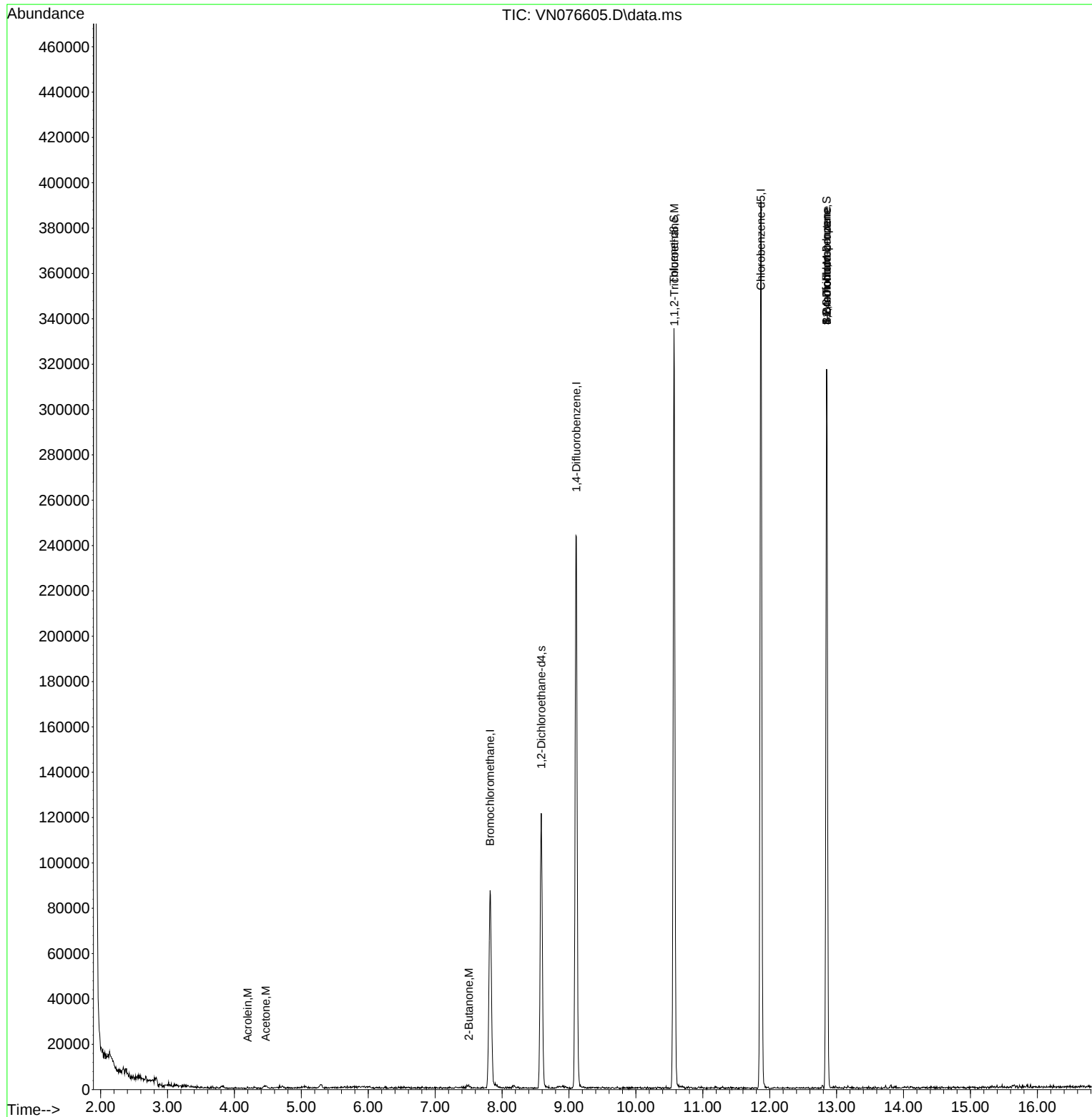
Internal Standards						
1) Bromochloromethane	7.822	128	29594	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.110	114	191805	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.869	117	204620	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.586	65	101960	29.232	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.433%	
60) 4-Bromofluorobenzene	12.851	95	111127	24.056	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	80.200%	
63) Toluene-d8	10.569	98	218900	29.135	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	97.133%	
Target Compounds						
					Qvalue	
13) Acrolein	4.198	56	248	0.279	ug/l #	15
15) Acetone	4.469	58	222	0.379	ug/l #	1
30) 2-Butanone	7.504	43	726	0.271	ug/l #	72
50) 1,1,2-Trichloroethane	10.575	97	7835	2.409	ug/l #	1
56) Bromoform	12.851	173	1390	0.639	ug/l #	1
72) 1,2,3-Trichloropropane	12.851	75	62753	11.962	ug/l	1
77) t-1,4-Dichloro-2-butene	12.851	75	62753	39.659	ug/l #	15

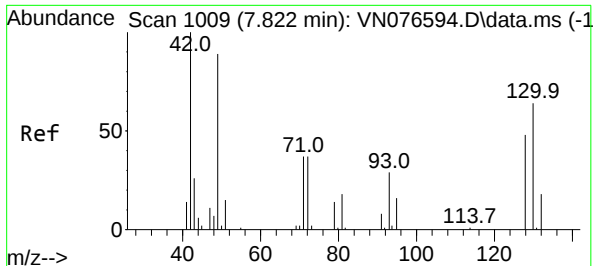
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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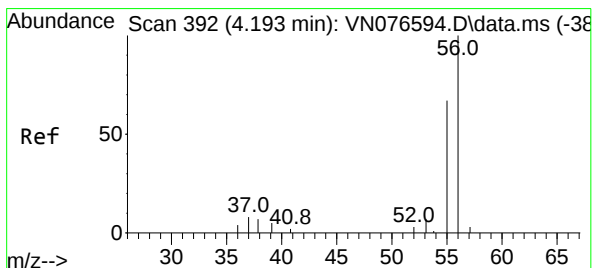
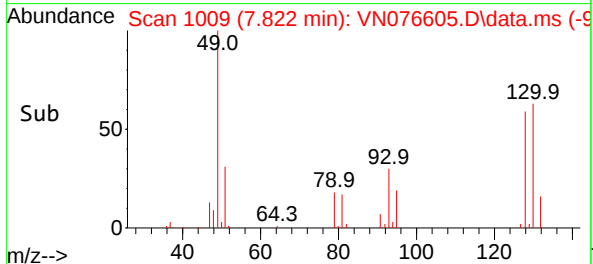
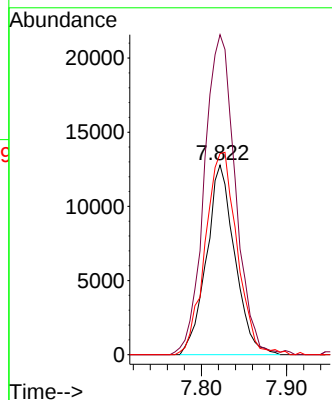
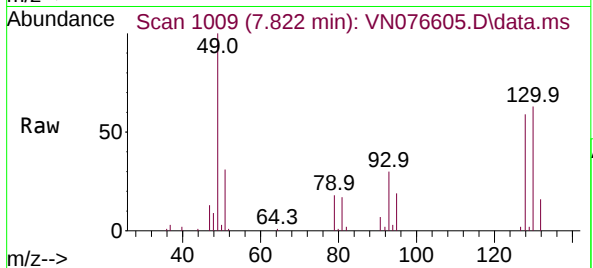




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.822 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN076605.D
Acq: 10 Feb 2023 13:21

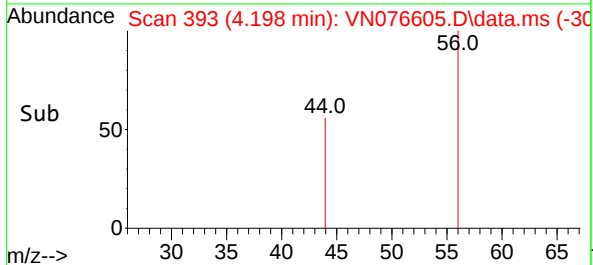
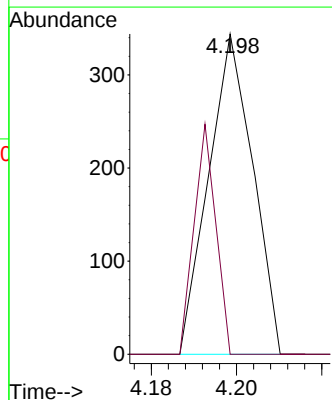
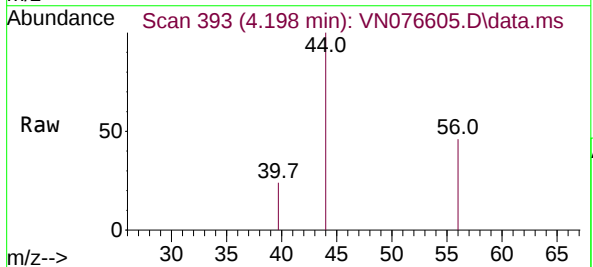
Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

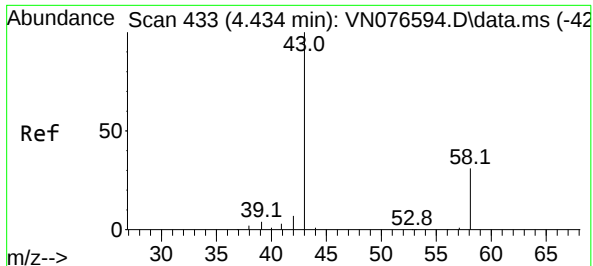
Tgt Ion:128 Resp: 29594
Ion Ratio Lower Upper
128 100
49 184.7 0.0 492.0
130 119.1 0.0 313.3



#13
Acrolein
Concen: 0.279 ug/l
RT: 4.198 min Scan# 393
Delta R.T. -0.008 min
Lab File: VN076605.D
Acq: 10 Feb 2023 13:21

Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#

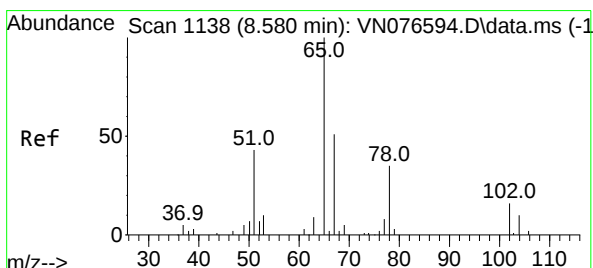
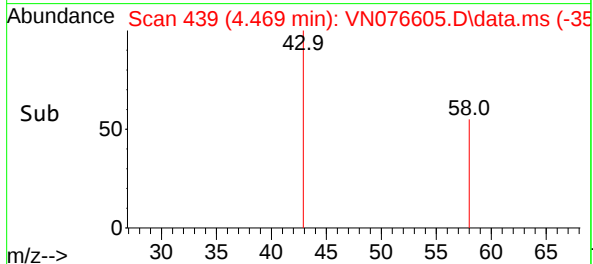
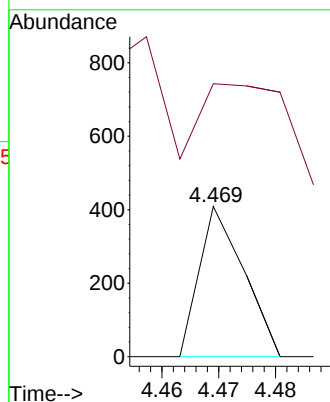
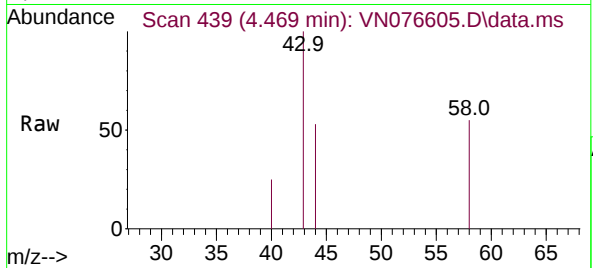




#15
Acetone
Concen: 0.379 ug/l
RT: 4.469 min Scan# 41
Delta R.T. 0.016 min
Lab File: VN076605.D
Acq: 10 Feb 2023 13:21

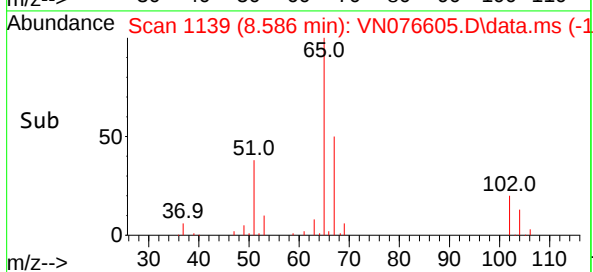
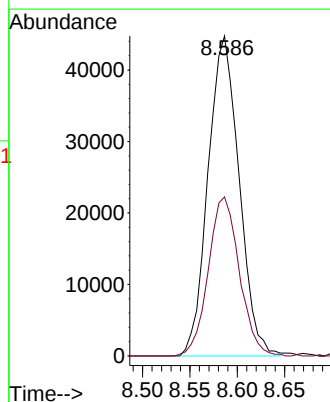
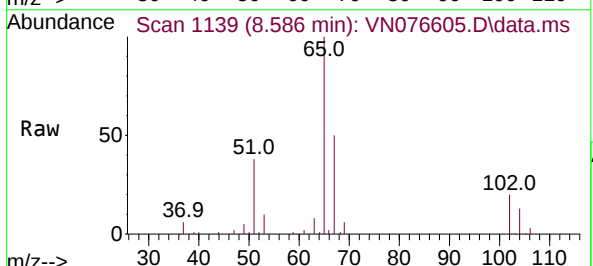
Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

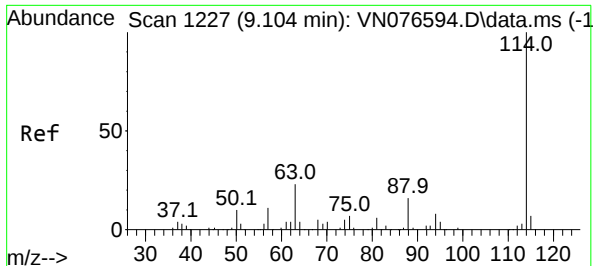
Tgt Ion: 58 Resp: 222
Ion Ratio Lower Upper
58 100
43 50.1 232.2 348.4#



#27
1,2-Dichloroethane-d4
Concen: 29.232 ug/l
RT: 8.586 min Scan# 1139
Delta R.T. -0.002 min
Lab File: VN076605.D
Acq: 10 Feb 2023 13:21

Tgt Ion: 65 Resp: 101960
Ion Ratio Lower Upper
65 100
67 49.7 45.2 67.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.110 min Scan# 1

Delta R.T. 0.004 min

Lab File: VN076605.D

Acq: 10 Feb 2023 13:21

Instrument :

MSVOA_N

ClientSampleId :

MANHOLE

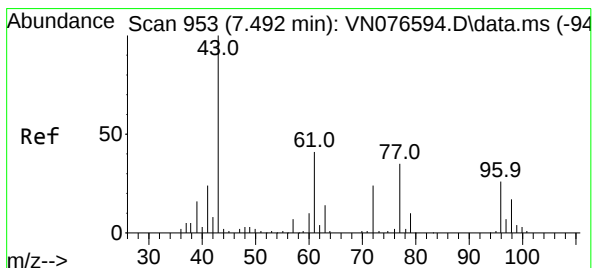
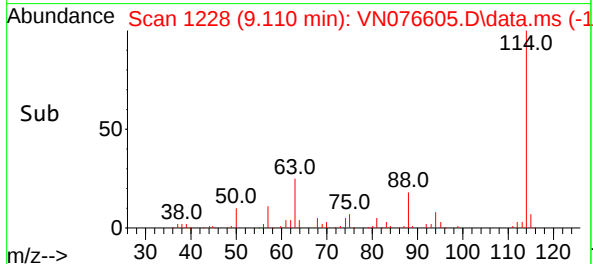
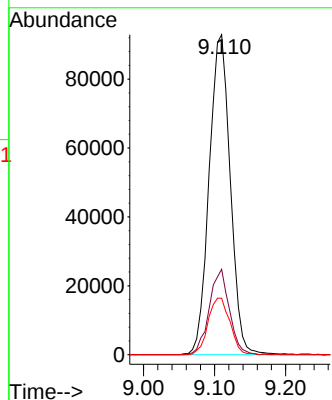
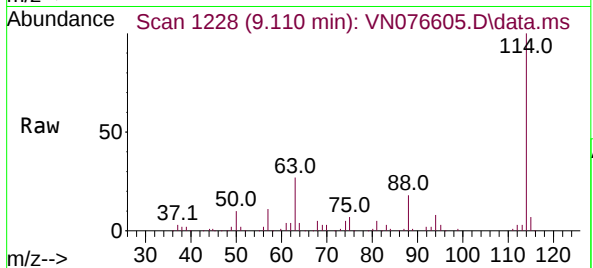
Tgt Ion:114 Resp: 191805

Ion Ratio Lower Upper

114 100

63 25.4 16.6 25.0#

88 18.2 12.2 18.4



#30

2-Butanone

Concen: 0.271 ug/l

RT: 7.504 min Scan# 955

Delta R.T. -0.002 min

Lab File: VN076605.D

Acq: 10 Feb 2023 13:21

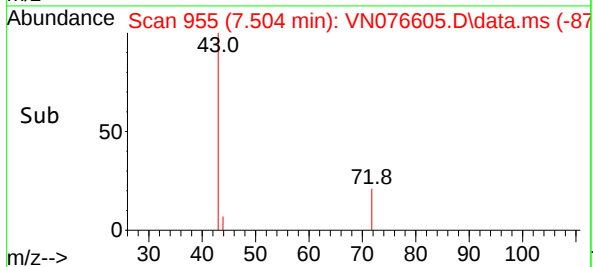
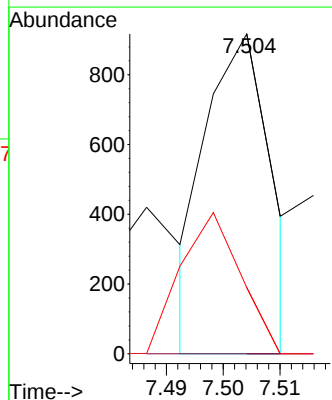
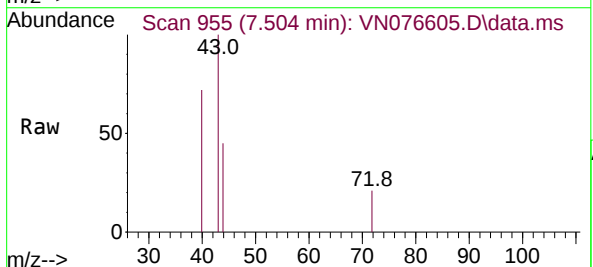
Tgt Ion: 43 Resp: 726

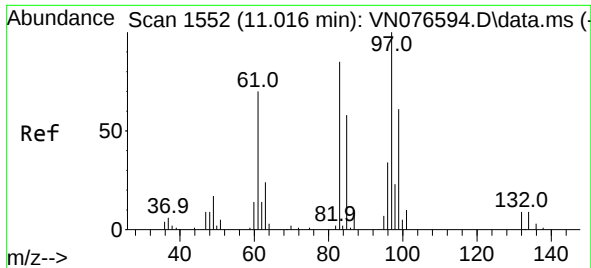
Ion Ratio Lower Upper

43 100

57 0.0 6.3 9.5#

72 41.2 21.0 31.4#

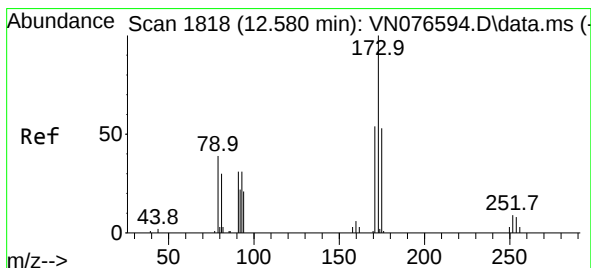
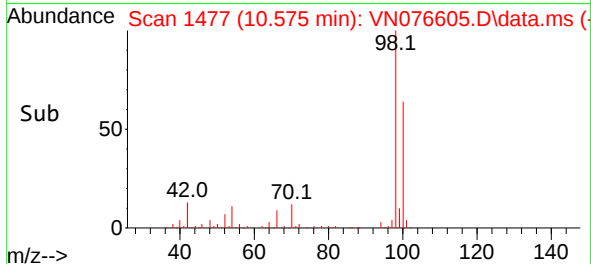
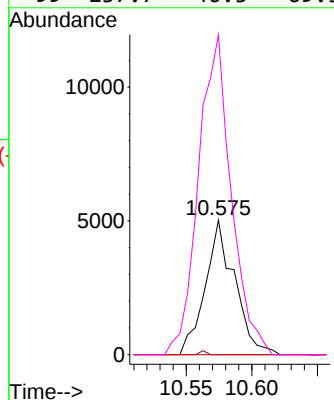
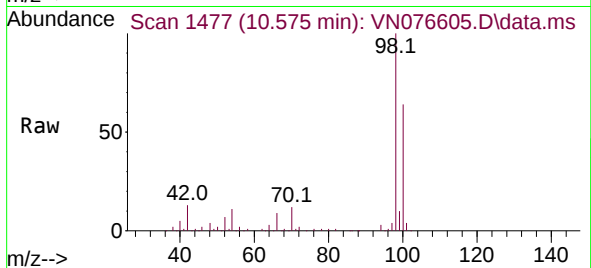




#50
1,1,2-Trichloroethane
Concen: 2.409 ug/l
RT: 10.575 min Scan# 1477
Delta R.T. -0.443 min
Lab File: VN076605.D
Acq: 10 Feb 2023 13:21

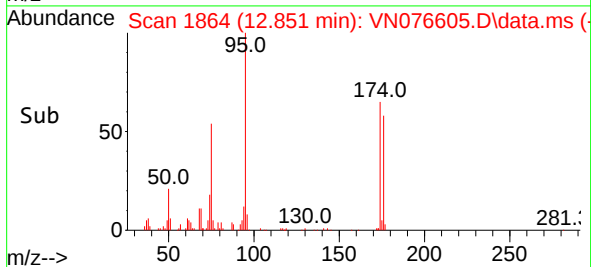
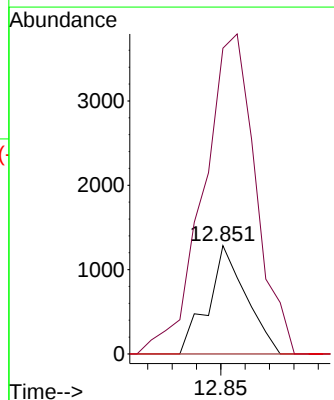
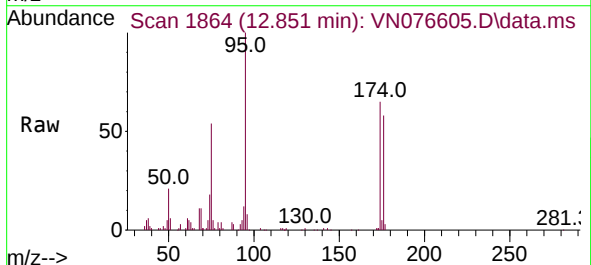
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ClientSampleId :
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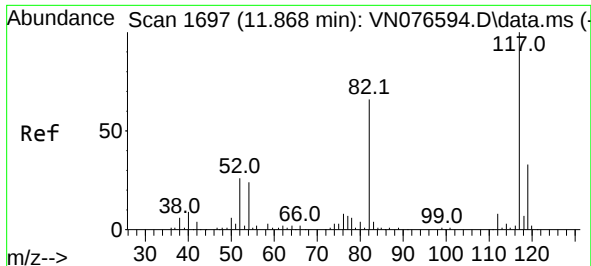
Tgt Ion: 97	Resp: 7835
Ion Ratio	Lower Upper
97 100	
83 0.0	69.2 103.8#
85 0.0	41.4 62.2#
99 237.7	46.3 69.5#



#56
Bromoform
Concen: 0.639 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. 0.275 min
Lab File: VN076605.D
Acq: 10 Feb 2023 13:21

Tgt Ion: 173	Resp: 1390
Ion Ratio	Lower Upper
173 100	
175 406.8	39.1 58.7#
254 0.0	7.0 10.6#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.869 min Scan# 1

Delta R.T. -0.002 min

Lab File: VN076605.D

Acq: 10 Feb 2023 13:21

Instrument :

MSVOA_N

ClientSampleId :

MANHOLE

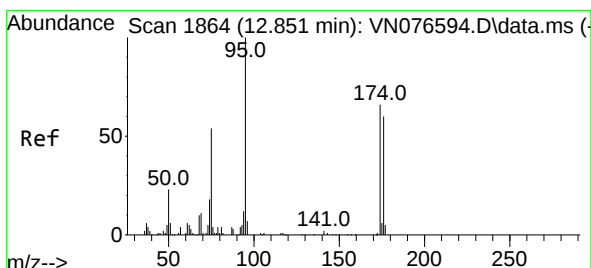
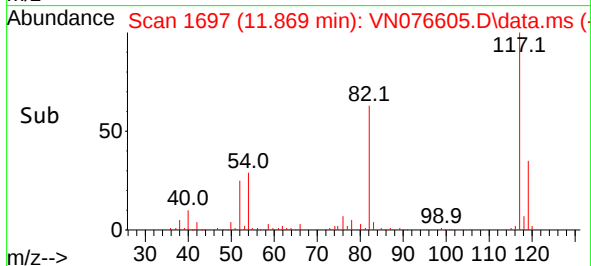
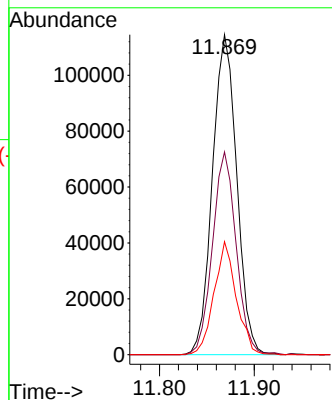
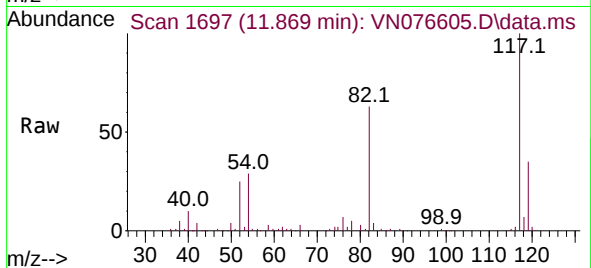
Tgt Ion:117 Resp: 204620

Ion Ratio Lower Upper

117 100

82 61.6 44.6 67.0

119 32.5 25.6 38.4



#60

4-Bromofluorobenzene

Concen: 24.056 ug/l

RT: 12.851 min Scan# 1864

Delta R.T. -0.002 min

Lab File: VN076605.D

Acq: 10 Feb 2023 13:21

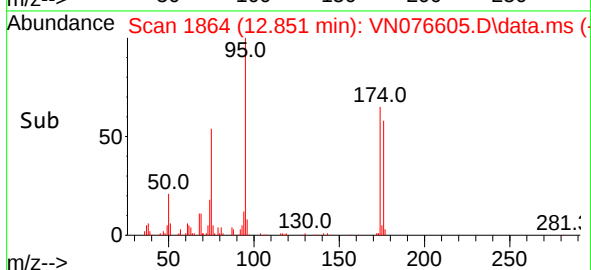
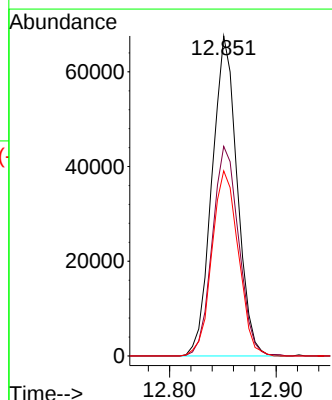
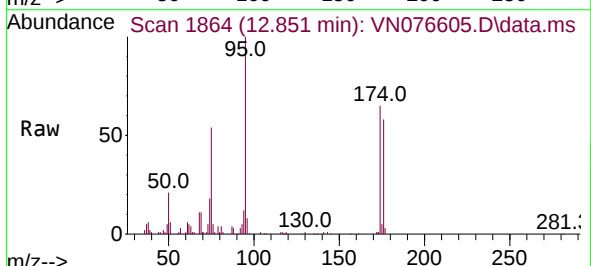
Tgt Ion: 95 Resp: 111127

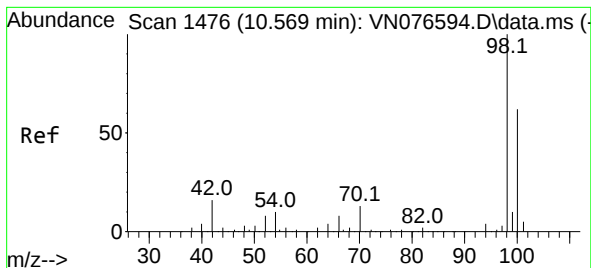
Ion Ratio Lower Upper

95 100

174 68.3 57.8 86.8

176 60.6 57.0 85.4





#63

Toluene-d8

Concen: 29.135 ug/l

RT: 10.569 min Scan# 1476

Delta R.T. -0.002 min

Lab File: VN076605.D

Acq: 10 Feb 2023 13:21

Instrument :

MSVOA_N

ClientSampleId :

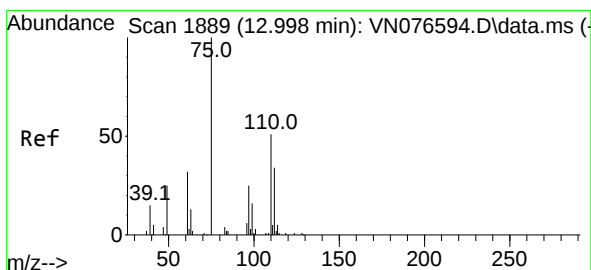
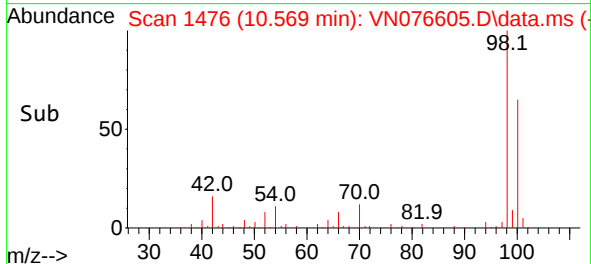
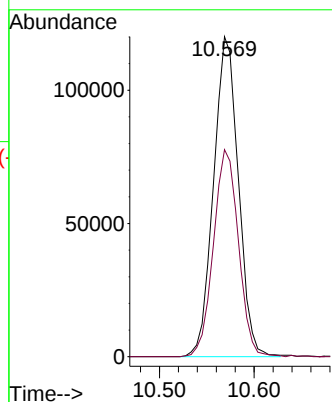
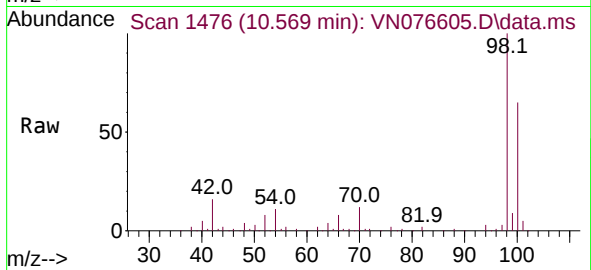
MANHOLE

Tgt Ion: 98 Resp: 218900

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1



#72

1,2,3-Trichloropropane

Concen: 11.962 ug/l

RT: 12.851 min Scan# 1864

Delta R.T. -0.143 min

Lab File: VN076605.D

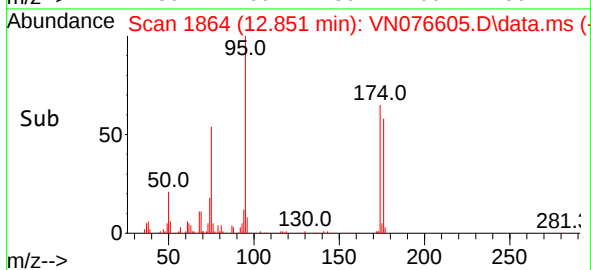
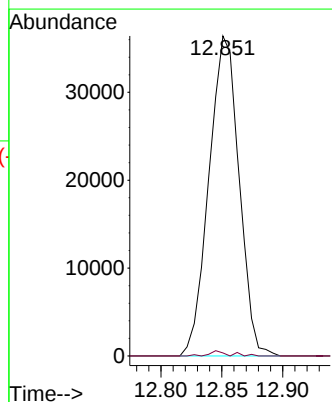
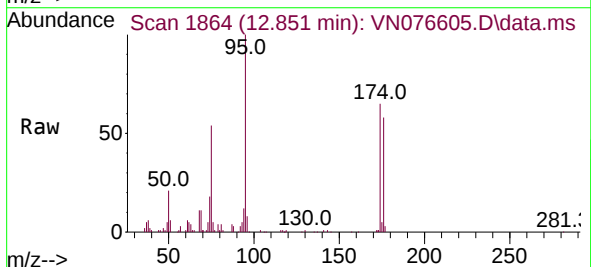
Acq: 10 Feb 2023 13:21

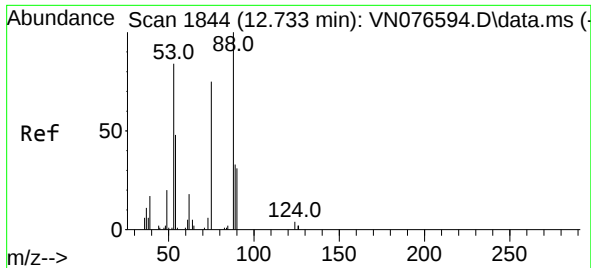
Tgt Ion: 75 Resp: 62753

Ion Ratio Lower Upper

75 100

77 0.6 0.0 372.4





#77
t-1,4-Dichloro-2-butene
Concen: 39.659 ug/l
RT: 12.851 min Scan# 11
Delta R.T. 0.116 min
Lab File: VN076605.D
Acq: 10 Feb 2023 13:21

Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

Tgt Ion: 75 Resp: 62753

Ion	Ratio	Lower	Upper
75	100		
53	0.0	43.3	129.9#
89	0.0	21.1	63.1#

