

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
 Data File : VN076741.D
 Acq On : 17 Feb 2023 18:04
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 18 02:13:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

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

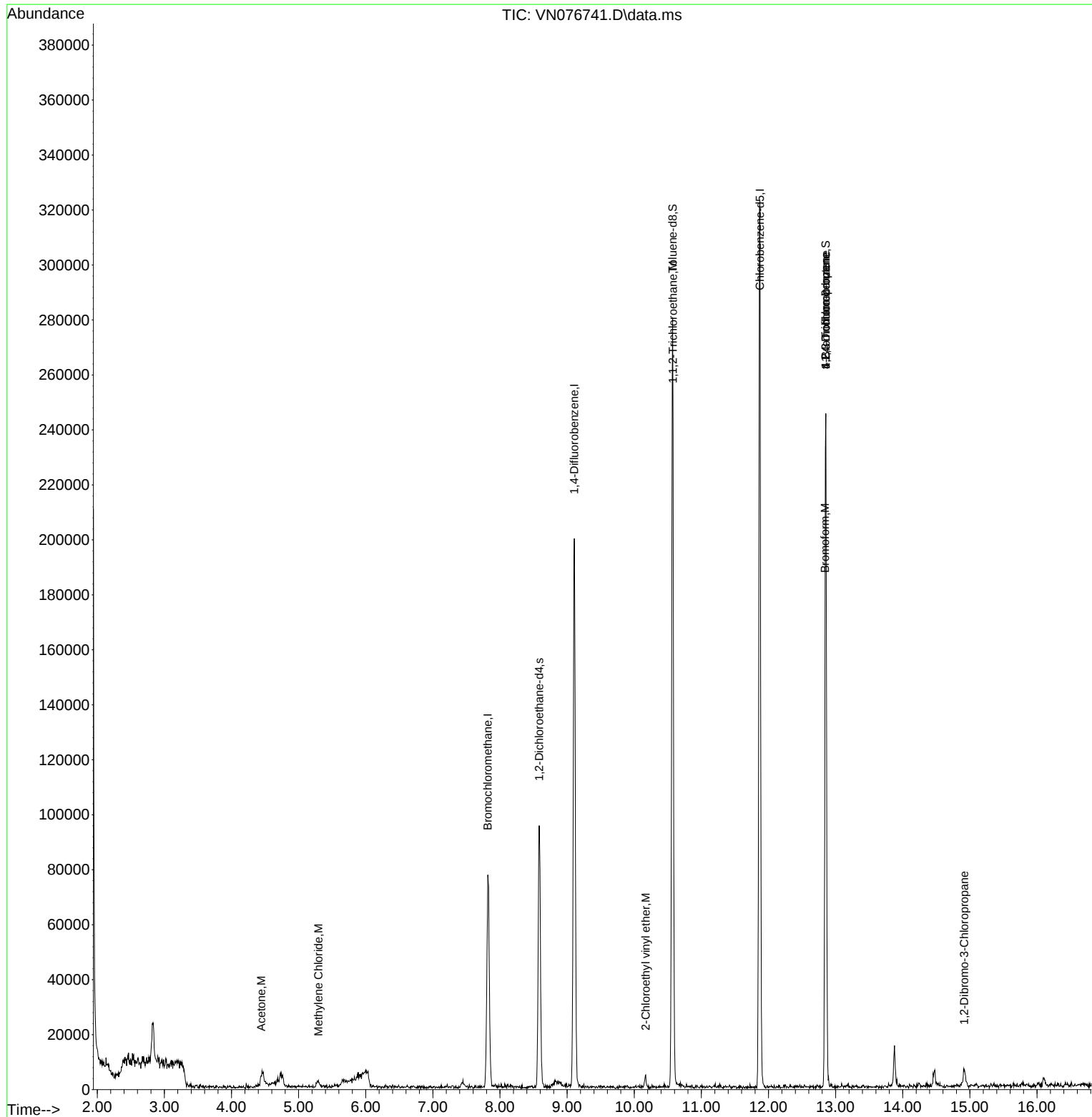
Internal Standards						
1) Bromochloromethane	7.819	128	24812	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	167188	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	177193	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	74985	33.043	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.133%#
60) 4-Bromofluorobenzene	12.854	95	78302	24.983	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.267%
63) Toluene-d8	10.571	98	183977	29.643	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.800%
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	1013	2.031	ug/l #	59
18) Methylene Chloride	5.295	84	1378	0.446	ug/l #	36
50) 1,1,2-Trichloroethane	10.577	97	7764	2.647	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.171	63	1085	0.575	ug/l #	61
56) Bromoform	12.842	173	429	0.207	ug/l #	57
72) 1,2,3-Trichloropropane	12.854	75	44118	11.828	ug/l	1
77) t-1,4-Dichloro-2-butene	12.854	75	44118	36.814	ug/l #	9
88) 1,2-Dibromo-3-Chloropr...	14.918	75	271	0.345	ug/l #	5

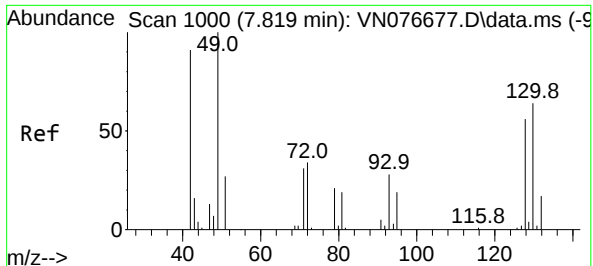
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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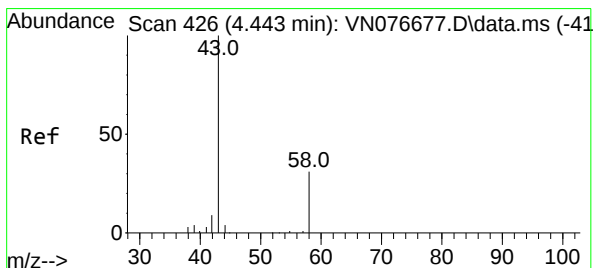
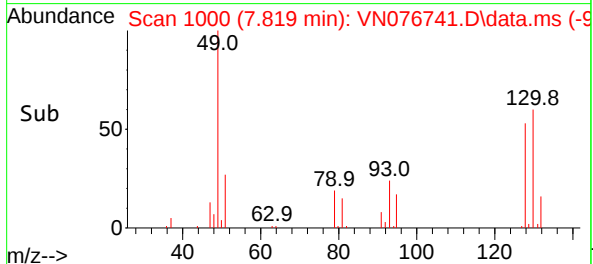
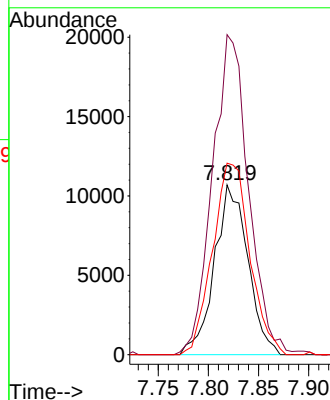
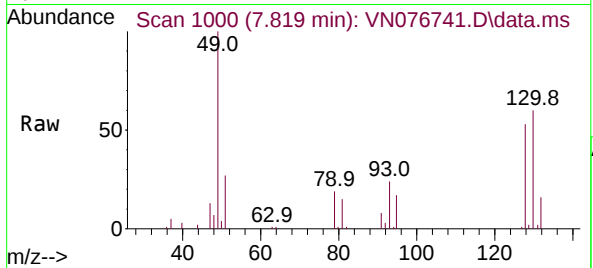




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN076741.D
Acq: 17 Feb 2023 18:04

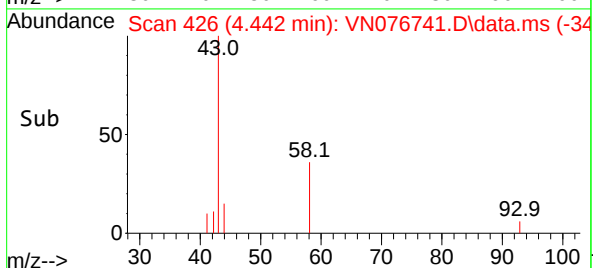
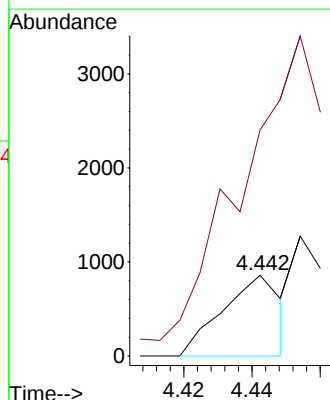
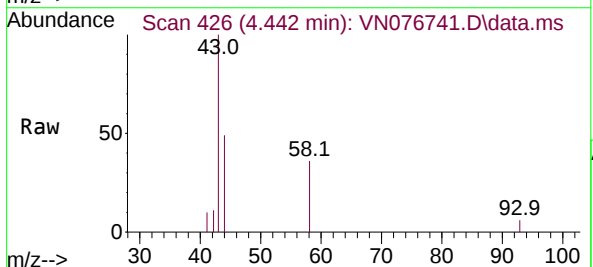
Instrument :
MSVOA_N
ClientSampleId :
IBLK

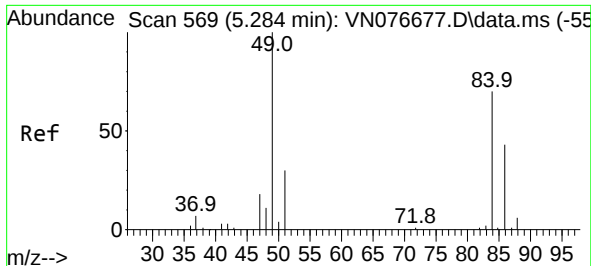
Tgt Ion:128 Resp: 24812
Ion Ratio Lower Upper
128 100
49 203.3 0.0 461.8
130 126.0 0.0 295.3



#15
Acetone
Concen: 2.031 ug/l
RT: 4.442 min Scan# 426
Delta R.T. -0.000 min
Lab File: VN076741.D
Acq: 17 Feb 2023 18:04

Tgt Ion: 58 Resp: 1013
Ion Ratio Lower Upper
58 100
43 235.8 255.4 383.0#

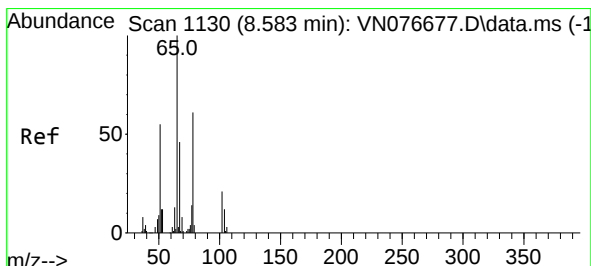
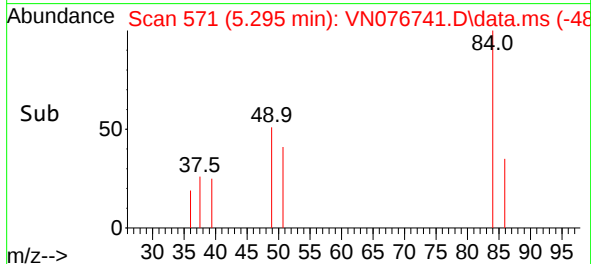
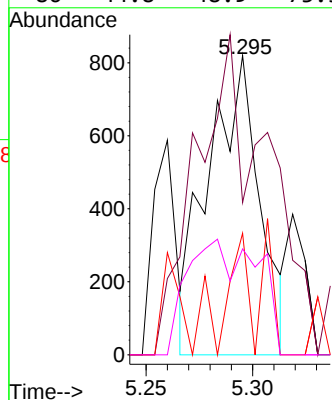
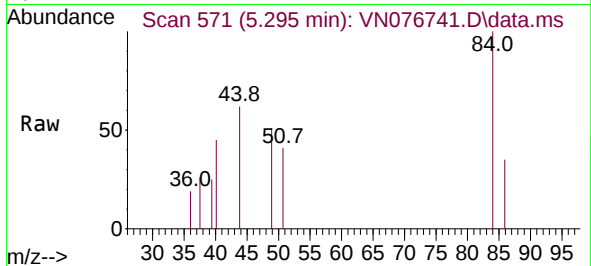




#18
Methylene Chloride
Concen: 0.446 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN076741.D
Acq: 17 Feb 2023 18:04

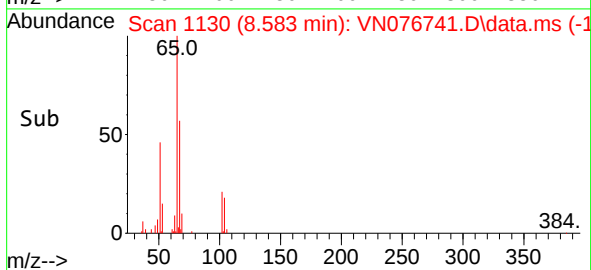
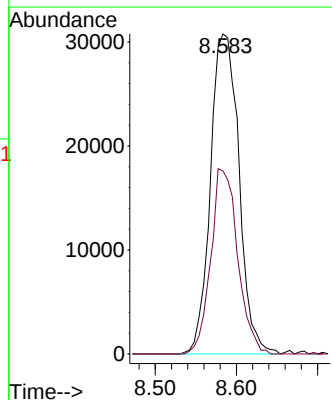
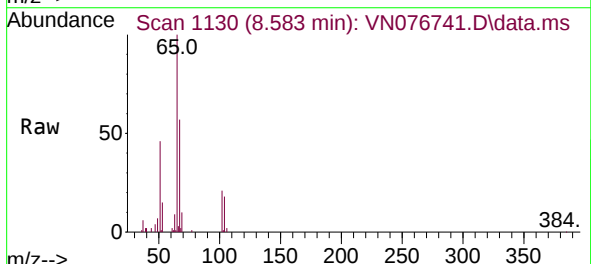
Instrument :
MSVOA_N
ClientSampleId :
IBLK

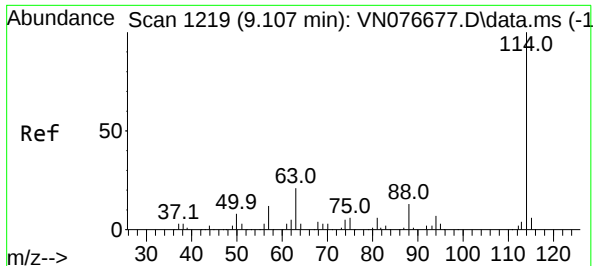
Tgt Ion: 84 Resp: 1378
Ion Ratio Lower Upper
84 100
49 23.0 113.8 170.6#
51 51.5 34.2 51.4#
86 44.8 48.9 73.3#



#27
1,2-Dichloroethane-d4
Concen: 33.043 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076741.D
Acq: 17 Feb 2023 18:04

Tgt Ion: 65 Resp: 74985
Ion Ratio Lower Upper
65 100
67 54.7 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076741.D

Acq: 17 Feb 2023 18:04

Instrument :

MSVOA_N

ClientSampleId :

IBLK

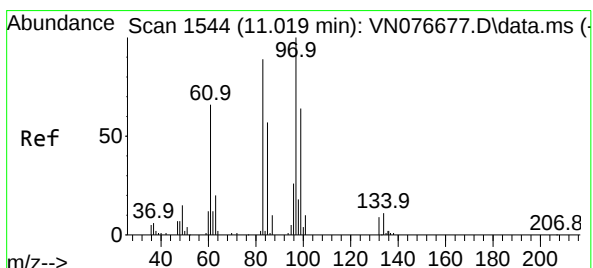
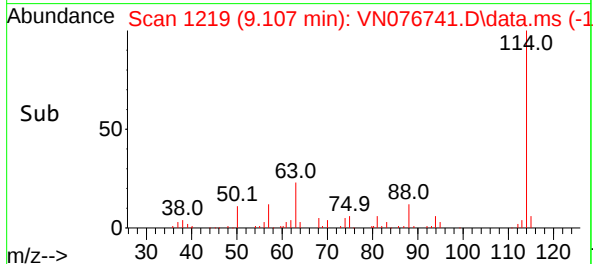
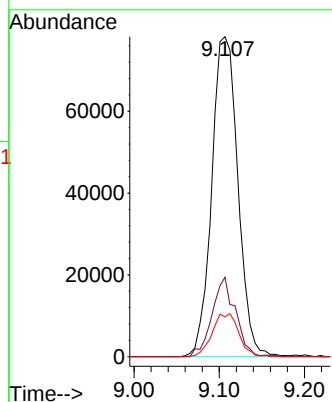
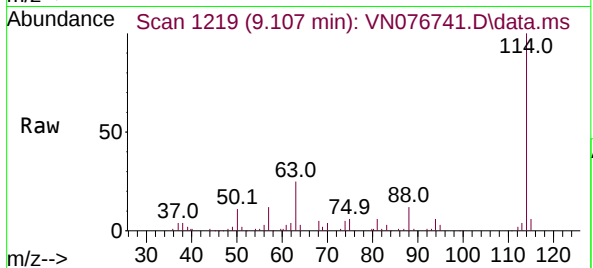
Tgt Ion:114 Resp: 167188

Ion Ratio Lower Upper

114 100

63 22.1 17.0 25.4

88 13.7 11.6 17.4



#50

1,1,2-Trichloroethane

Concen: 2.647 ug/l

RT: 10.577 min Scan# 1469

Delta R.T. -0.441 min

Lab File: VN076741.D

Acq: 17 Feb 2023 18:04

Tgt Ion: 97 Resp: 7764

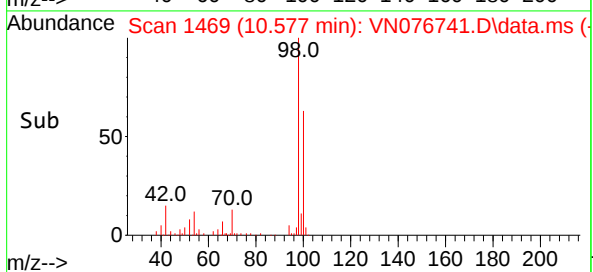
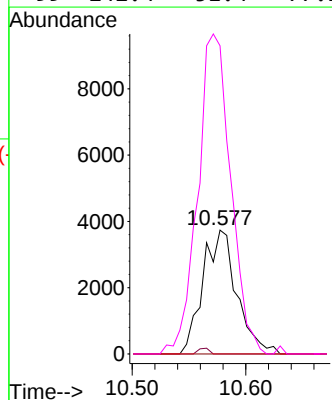
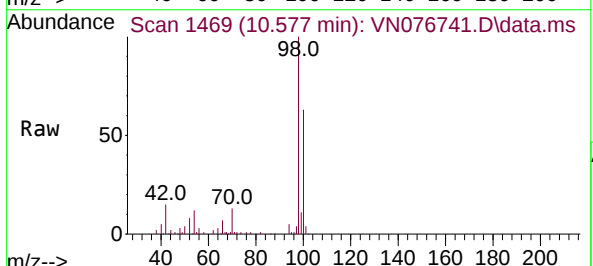
Ion Ratio Lower Upper

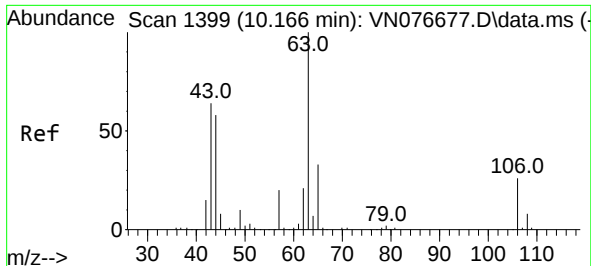
97 100

83 0.0 71.0 106.4#

85 0.0 45.5 68.3#

99 242.4 51.4 77.2#

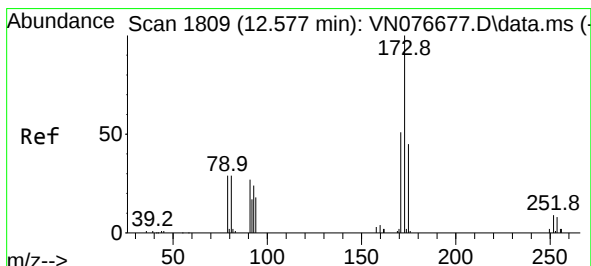
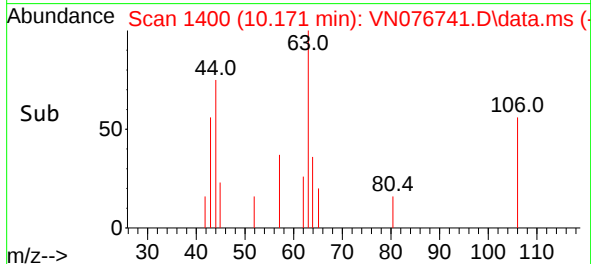
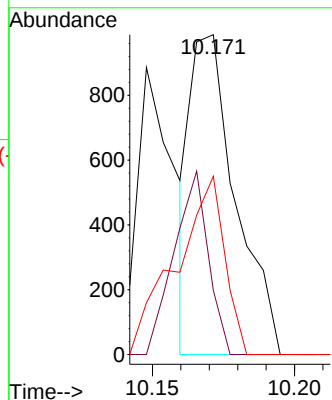
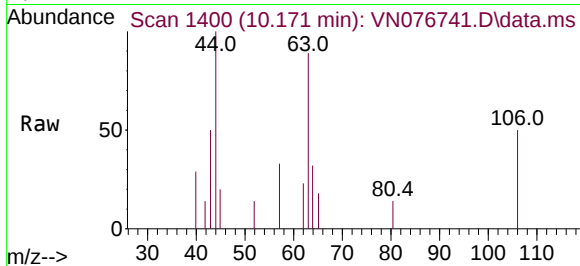




#55
2-Chloroethyl vinyl ether
Concen: 0.575 ug/l
RT: 10.171 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN076741.D
Acq: 17 Feb 2023 18:04

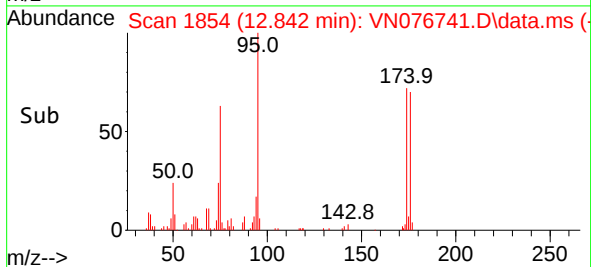
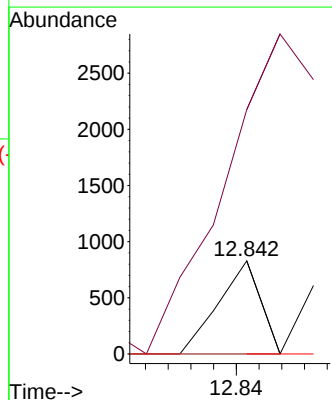
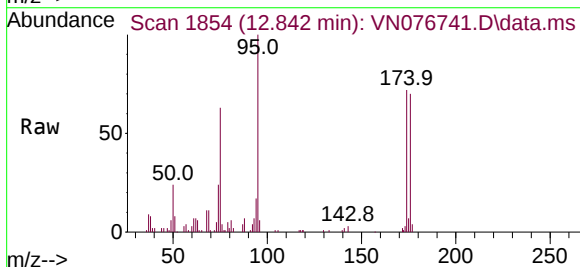
Instrument :
MSVOA_N
ClientSampleId :
IBLK

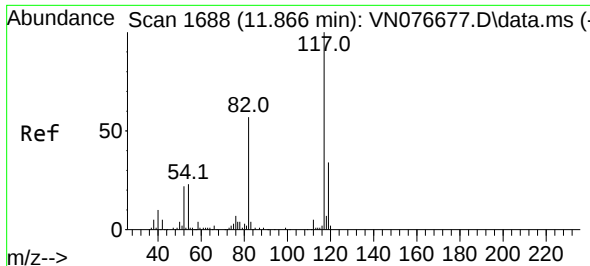
Tgt Ion: 63 Resp: 1085
Ion Ratio Lower Upper
63 100
65 43.5 26.3 39.5#
106 60.3 21.6 32.4#



#56
Bromoform
Concen: 0.207 ug/l
RT: 12.842 min Scan# 1854
Delta R.T. 0.264 min
Lab File: VN076741.D
Acq: 17 Feb 2023 18:04

Tgt Ion: 173 Resp: 429
Ion Ratio Lower Upper
173 100
175 15.9 37.8 56.6#
254 0.0 7.3 10.9#

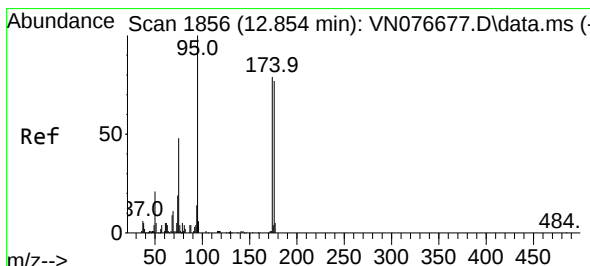
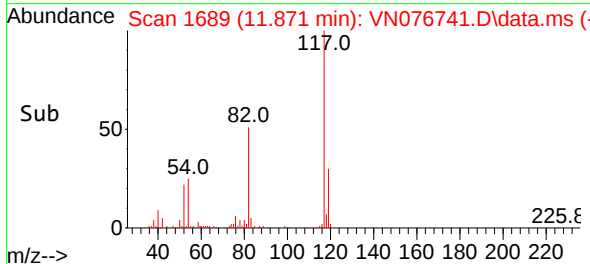
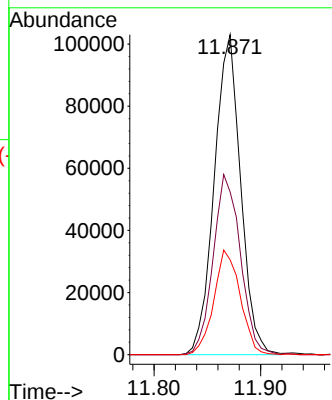
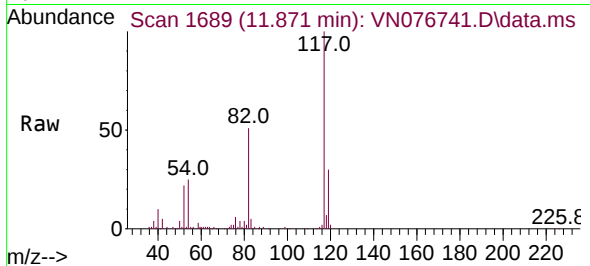




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117193
Delta R.T. 0.006 min
Lab File: VN076741.D
Acq: 17 Feb 2023 18:04

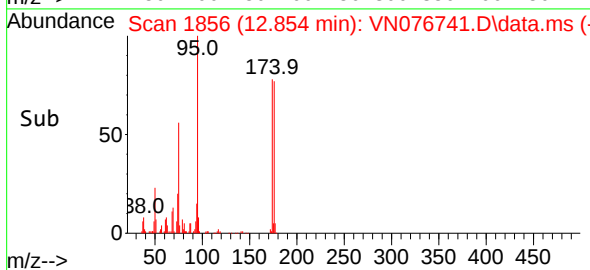
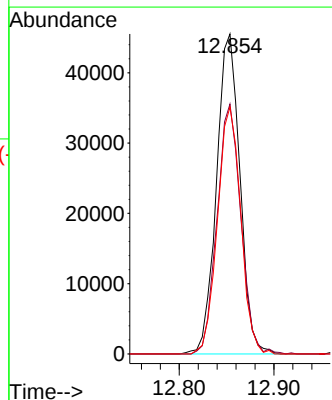
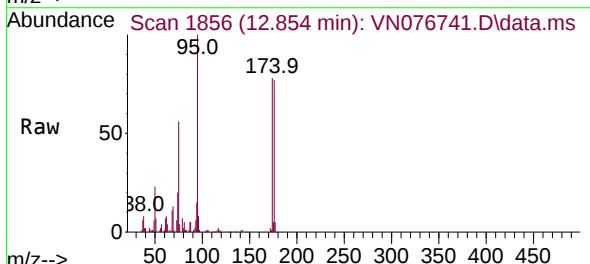
Instrument :
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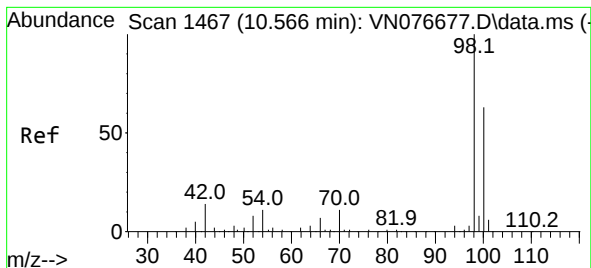
Tgt Ion:117 Resp: 177193
Ion Ratio Lower Upper
117 100
82 58.1 45.4 68.0
119 32.8 26.8 40.2



#60
4-Bromofluorobenzene
Concen: 24.983 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN076741.D
Acq: 17 Feb 2023 18:04

Tgt Ion: 95 Resp: 78302
Ion Ratio Lower Upper
95 100
174 78.5 64.2 96.4
176 76.6 61.4 92.0





#63

Toluene-d8

Concen: 29.643 ug/l

RT: 10.571 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076741.D

Acq: 17 Feb 2023 18:04

Instrument :

MSVOA_N

ClientSampleId :

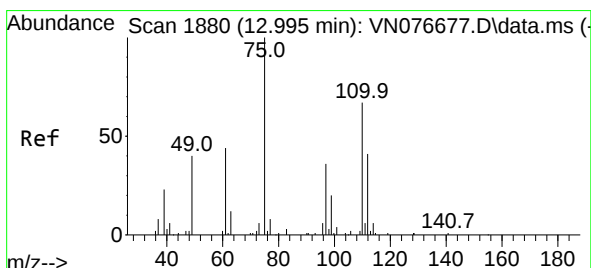
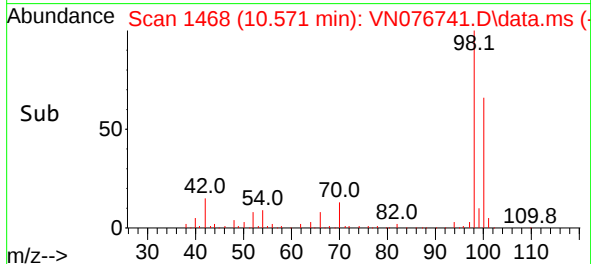
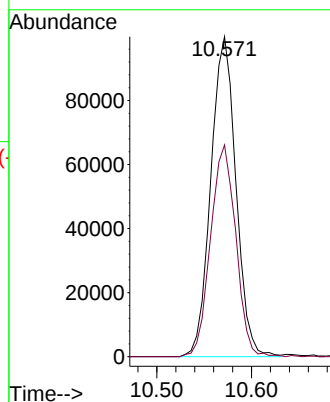
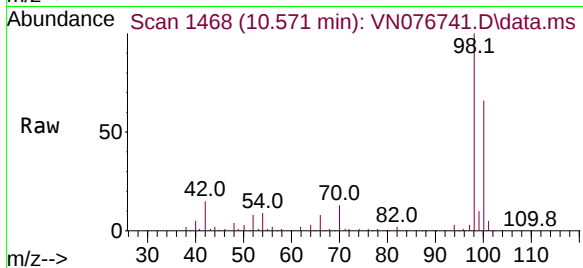
IBLK

Tgt Ion: 98 Resp: 183977

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6



#72

1,2,3-Trichloropropane

Concen: 11.828 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN076741.D

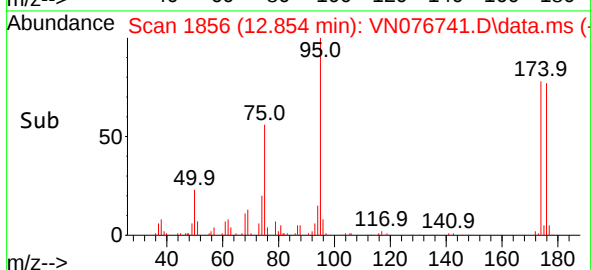
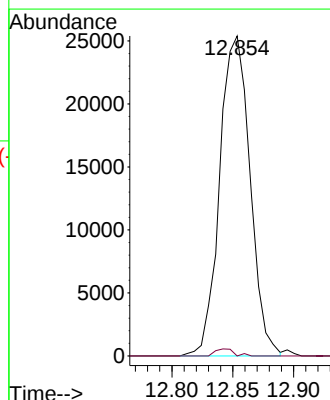
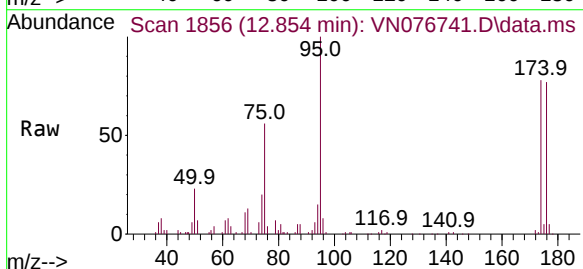
Acq: 17 Feb 2023 18:04

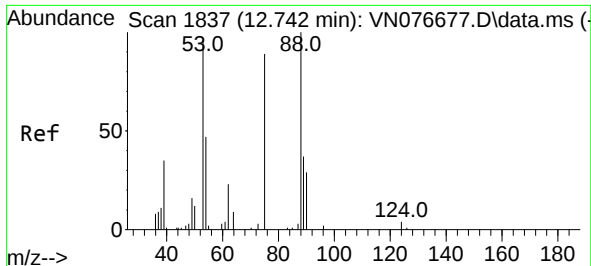
Tgt Ion: 75 Resp: 44118

Ion Ratio Lower Upper

75 100

77 0.2 0.0 332.6

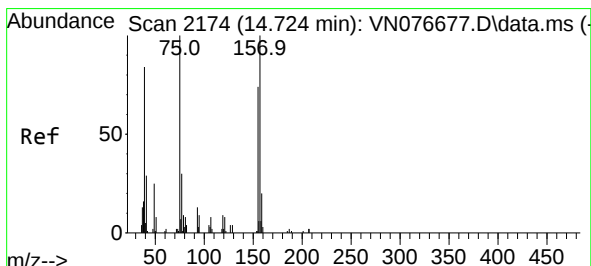
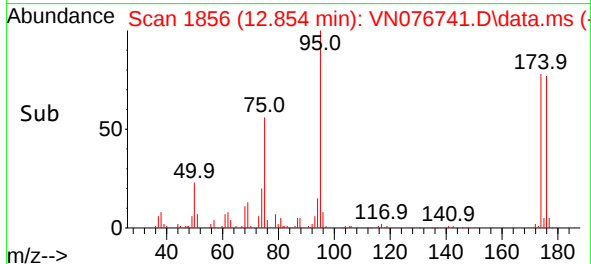
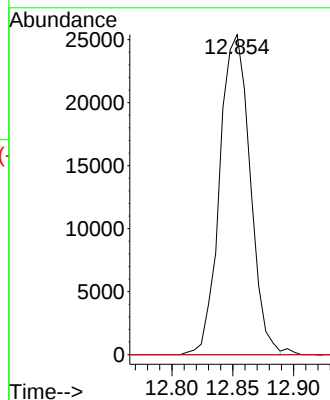
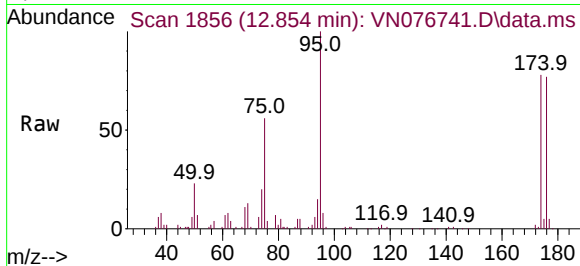




#77
t-1,4-Dichloro-2-butene
Concen: 36.814 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076741.D
Acq: 17 Feb 2023 18:04

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 44118
Ion Ratio Lower Upper
75 100
53 0.0 50.4 151.3#
89 0.0 22.1 66.5#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.345 ug/l
RT: 14.918 min Scan# 2207
Delta R.T. 0.194 min
Lab File: VN076741.D
Acq: 17 Feb 2023 18:04

Tgt Ion: 75 Resp: 271
Ion Ratio Lower Upper
75 100
155 0.0 62.5 93.7#
157 0.0 77.5 116.3#

