

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
 Data File : VN076733.D
 Acq On : 17 Feb 2023 14:40
 Operator : JC\MD
 Sample : 01578-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230215017-01-TRIP-BLANK

Quant Time: Feb 18 02:07:54 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)

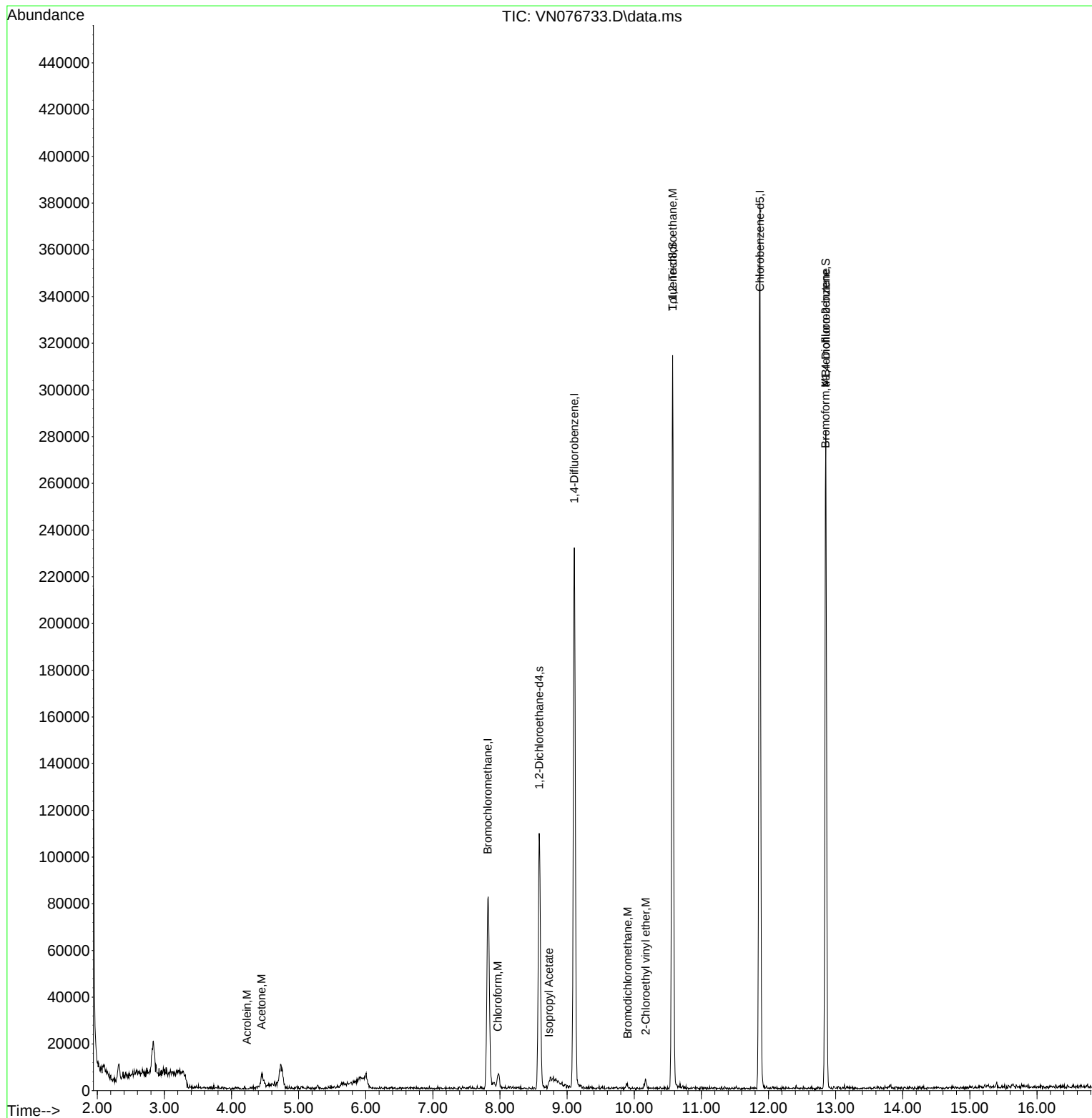
Internal Standards						
1) Bromochloromethane	7.819	128	20640	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	191484	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	198066	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	84692	44.864	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	149.533%#
60) 4-Bromofluorobenzene	12.854	95	86293	24.631	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.100%
63) Toluene-d8	10.571	98	206468	29.761	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.200%
Target Compounds						
					Qvalue	
13) Acrolein	4.231	56	139	0.280	ug/l #	76
15) Acetone	4.448	58	3196	7.703	ug/l #	22
25) Chloroform	7.966	83	2811	0.636	ug/l	97
41) Bromodichloromethane	9.901	83	1347	0.291	ug/l #	94
44) Isopropyl Acetate	8.730	43	1634	0.204	ug/l #	70
50) 1,1,2-Trichloroethane	10.571	97	6996	2.082	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.171	63	786	0.363	ug/l	99
56) Bromoform	12.848	173	548	0.231	ug/l #	37
77) t-1,4-Dichloro-2-butene	12.854	75	50125	37.418	ug/l #	9

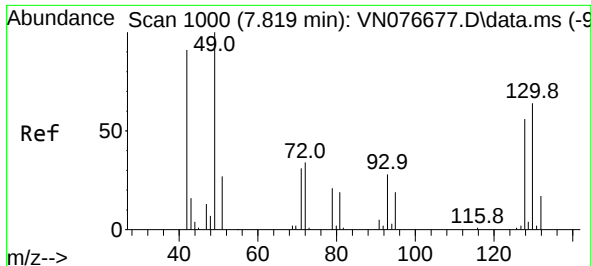
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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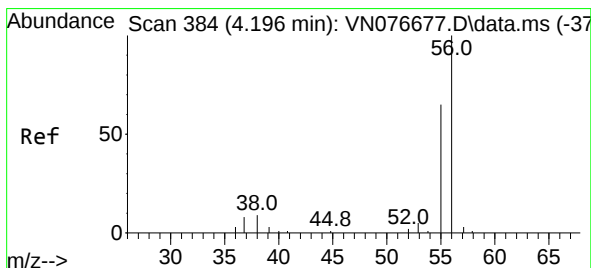
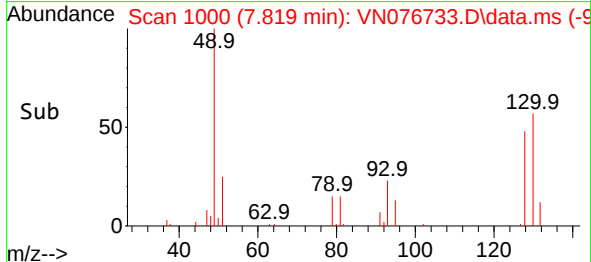
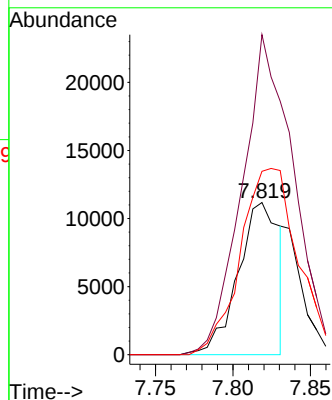
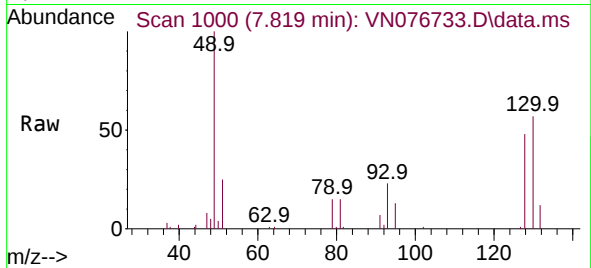




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076733.D
Acq: 17 Feb 2023 14:40

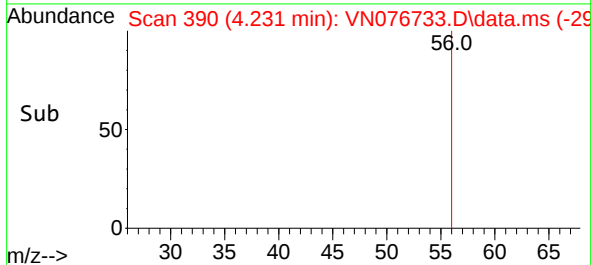
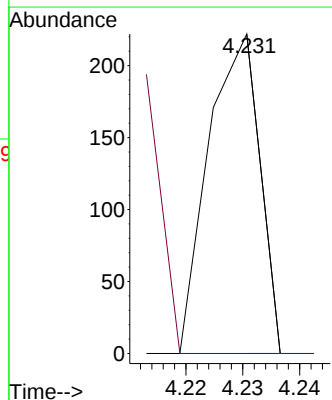
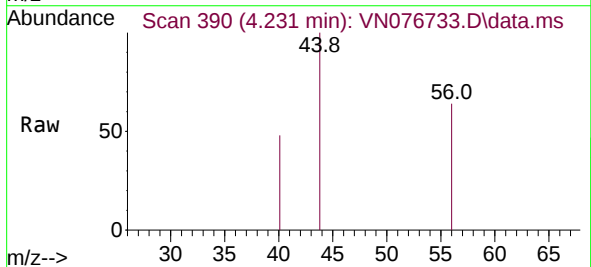
Instrument :
MSVOA_N
ClientSampleId :
230215017-01-TRIP-BLANK

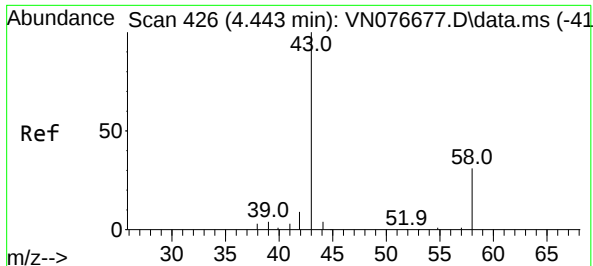
Tgt Ion:128 Resp: 20640
Ion Ratio Lower Upper
128 100
49 265.1 0.0 461.8
130 172.2 0.0 295.3



#13
Acrolein
Concen: 0.280 ug/l
RT: 4.231 min Scan# 390
Delta R.T. 0.035 min
Lab File: VN076733.D
Acq: 17 Feb 2023 14:40

Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 48.9 55.0 82.4#





#15

Acetone

Concen: 7.703 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN076733.D

Acq: 17 Feb 2023 14:40

Instrument :

MSVOA_N

ClientSampleId :

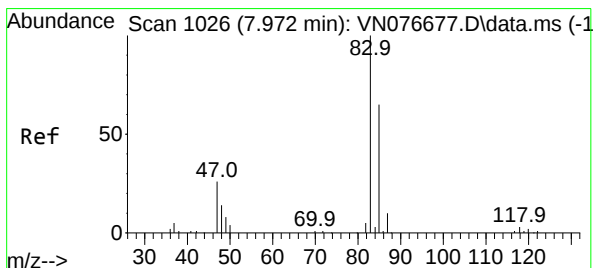
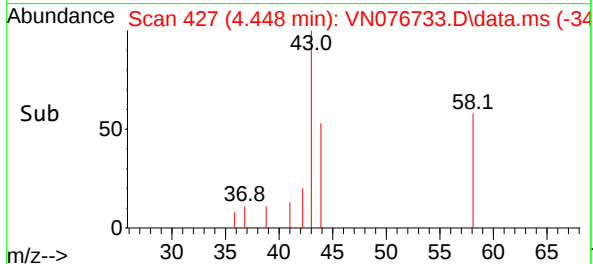
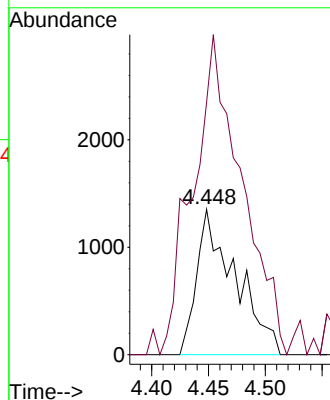
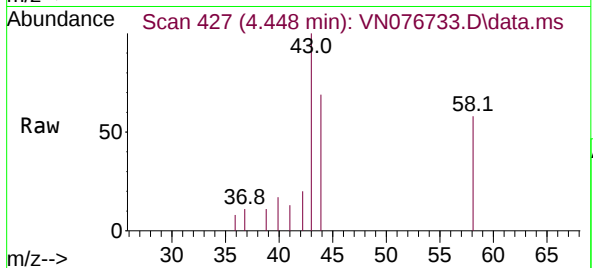
230215017-01-TRIP-BLANK

Tgt Ion: 58 Resp: 3196

Ion Ratio Lower Upper

58 100

43 160.3 255.4 383.0#



#25

Chloroform

Concen: 0.636 ug/l

RT: 7.966 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN076733.D

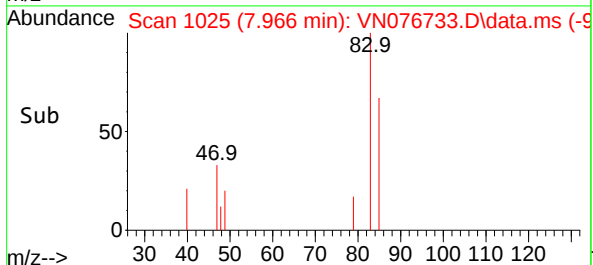
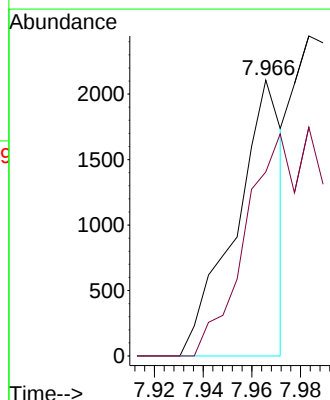
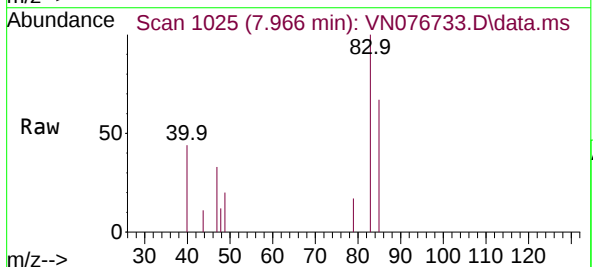
Acq: 17 Feb 2023 14:40

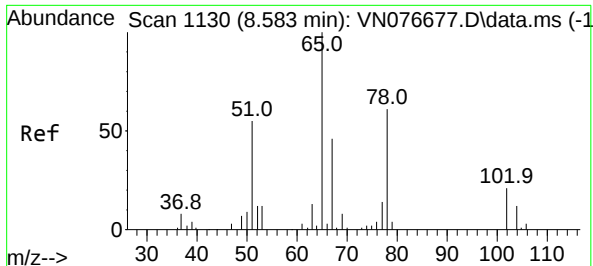
Tgt Ion: 83 Resp: 2811

Ion Ratio Lower Upper

83 100

85 66.7 51.8 77.6

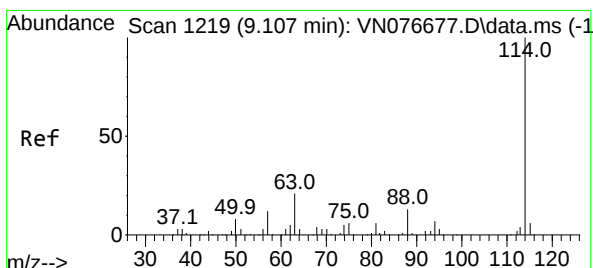
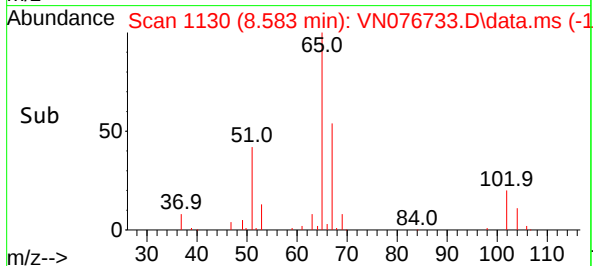
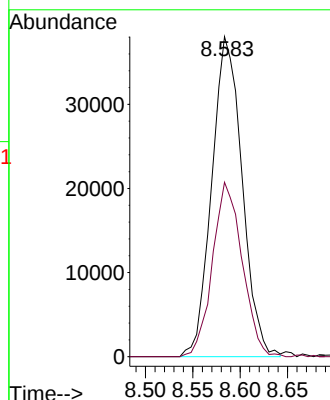
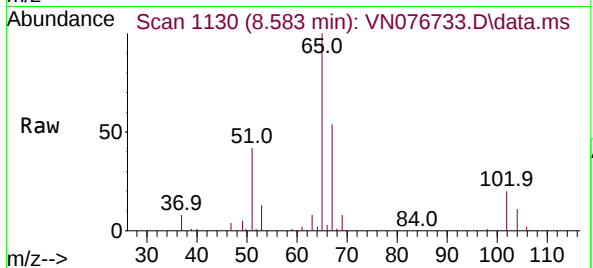




#27
1,2-Dichloroethane-d4
Concen: 44.864 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076733.D
Acq: 17 Feb 2023 14:40

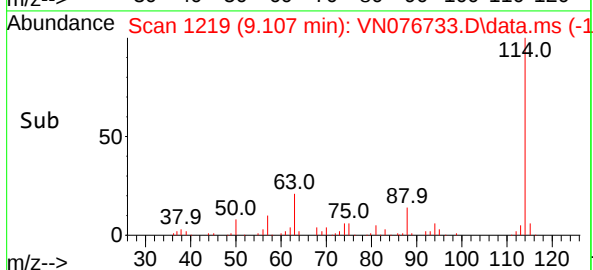
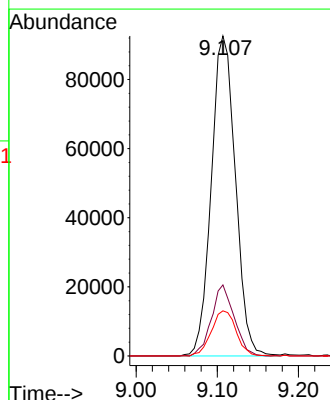
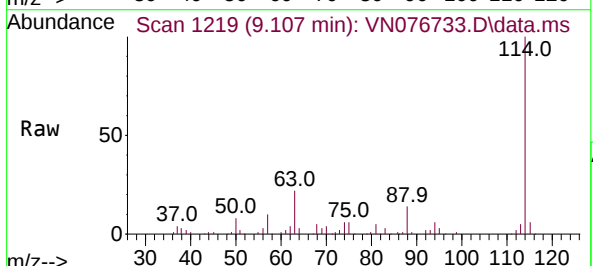
Instrument :
MSVOA_N
ClientSampleId :
230215017-01-TRIP-BLANK

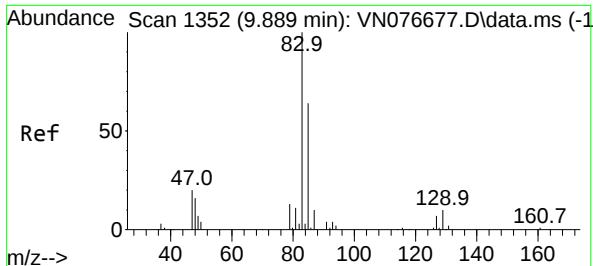
Tgt Ion: 65 Resp: 84692
Ion Ratio Lower Upper
65 100
67 53.1 40.9 61.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN076733.D
Acq: 17 Feb 2023 14:40

Tgt Ion: 114 Resp: 191484
Ion Ratio Lower Upper
114 100
63 20.9 17.0 25.4
88 14.4 11.6 17.4

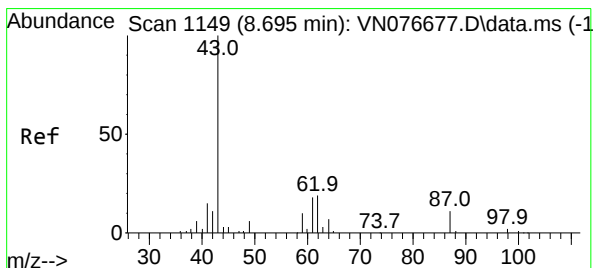
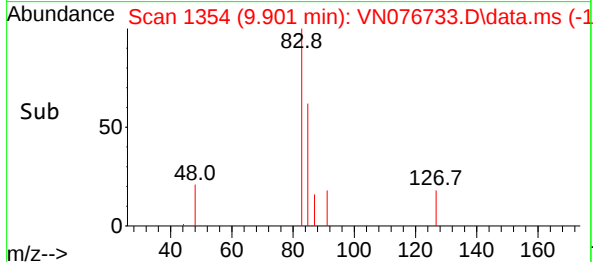
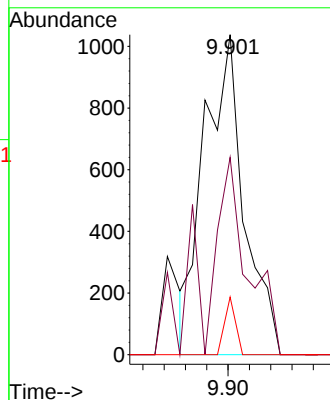
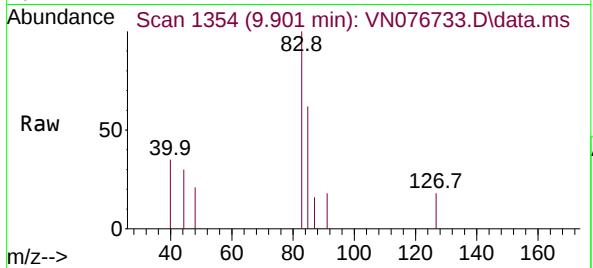




#41
Bromodichloromethane
Concen: 0.291 ug/l
RT: 9.901 min Scan# 1155
Delta R.T. 0.012 min
Lab File: VN076733.D
Acq: 17 Feb 2023 14:40

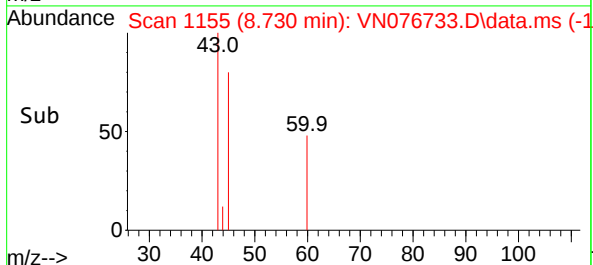
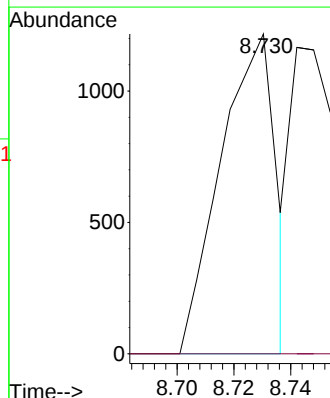
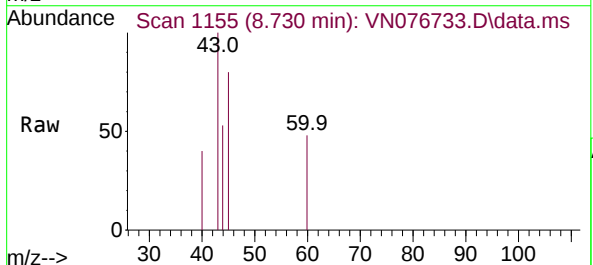
Instrument :
MSVOA_N
ClientSampleId :
230215017-01-TRIP-BLANK

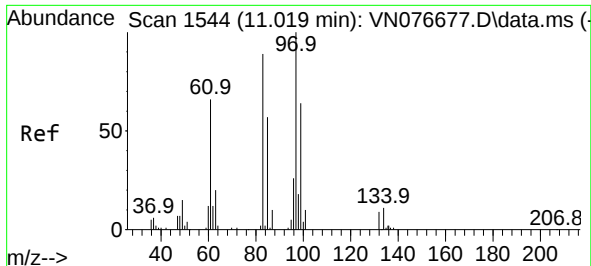
Tgt Ion:	83	Resp:	1347
Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.0	76.4
127	18.0	6.2	9.2#



#44
Isopropyl Acetate
Concen: 0.204 ug/l
RT: 8.730 min Scan# 1155
Delta R.T. 0.035 min
Lab File: VN076733.D
Acq: 17 Feb 2023 14:40

Tgt Ion:	43	Resp:	1634
Ion	Ratio	Lower	Upper
43	100		
61	9.4	19.5	29.3#





#50

1,1,2-Trichloroethane

Concen: 2.082 ug/l

RT: 10.571 min Scan# 14

Delta R.T. -0.447 min

Lab File: VN076733.D

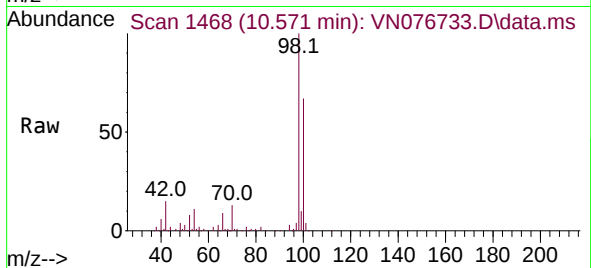
Acq: 17 Feb 2023 14:40

Instrument :

MSVOA_N

ClientSampleId :

230215017-01-TRIP-BLANK



Tgt Ion: 97 Resp: 6996

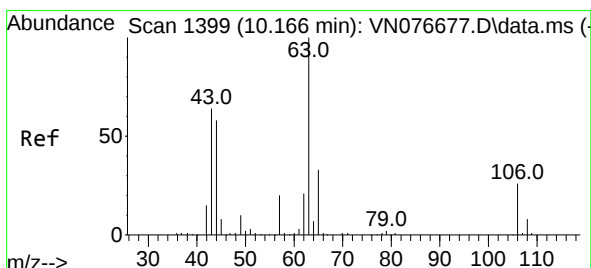
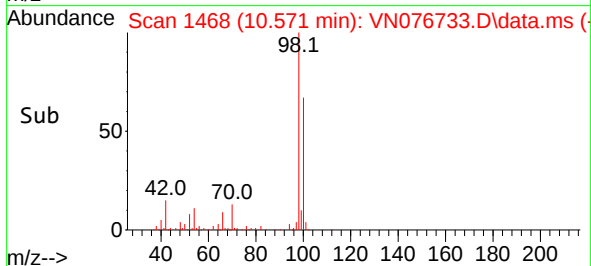
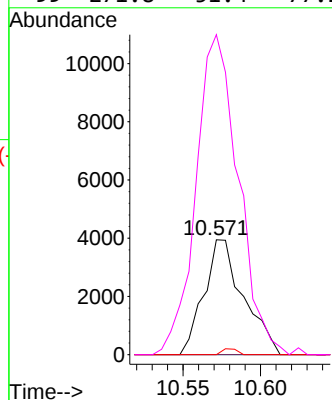
Ion Ratio Lower Upper

97 100

83 0.0 71.0 106.4#

85 0.0 45.5 68.3#

99 271.8 51.4 77.2#



#55

2-Chloroethyl vinyl ether

Concen: 0.363 ug/l

RT: 10.171 min Scan# 1400

Delta R.T. 0.006 min

Lab File: VN076733.D

Acq: 17 Feb 2023 14:40

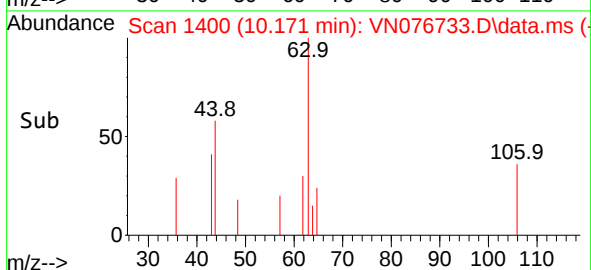
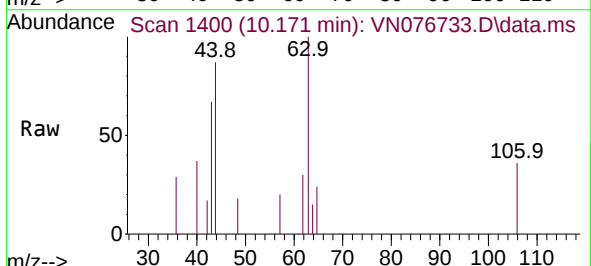
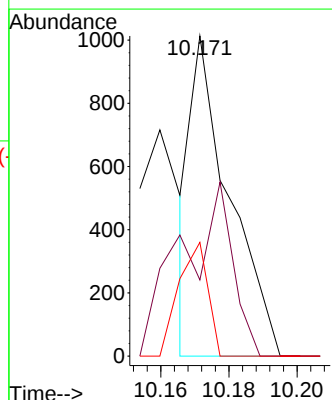
Tgt Ion: 63 Resp: 786

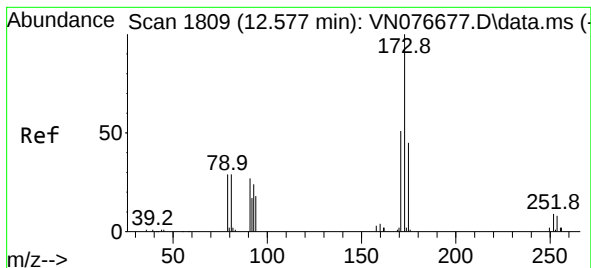
Ion Ratio Lower Upper

63 100

65 32.2 26.3 39.5

106 27.2 21.6 32.4





#56

Bromoform

Concen: 0.231 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. 0.270 min

Lab File: VN076733.D

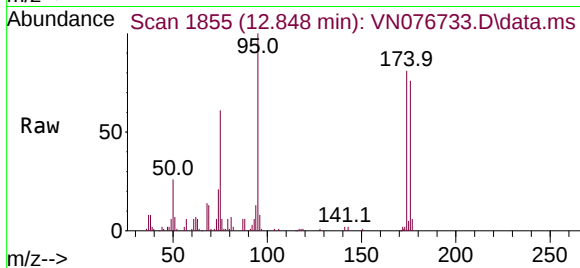
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Instrument :

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ClientSampleId :

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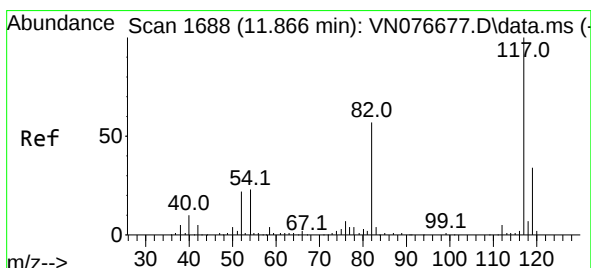
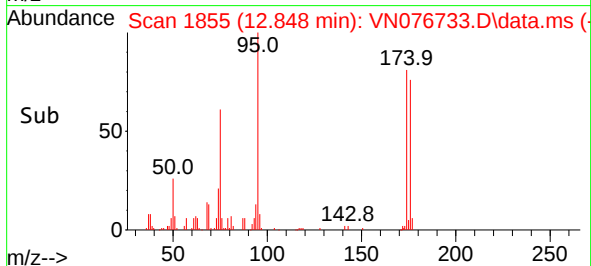
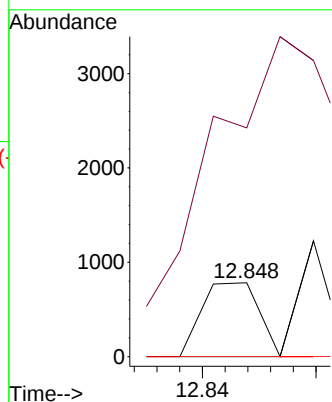
Tgt Ion:173 Resp: 548

Ion Ratio Lower Upper

173 100

175 0.0 37.8 56.6#

254 0.0 7.3 10.9#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1689

Delta R.T. 0.006 min

Lab File: VN076733.D

Acq: 17 Feb 2023 14:40

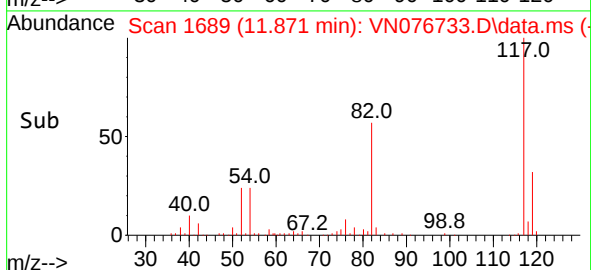
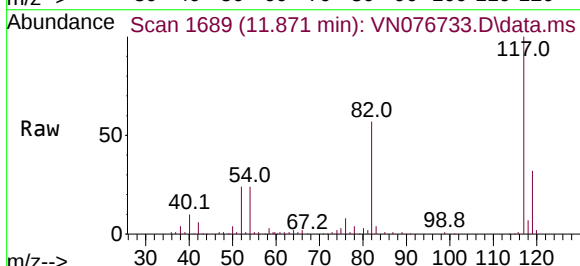
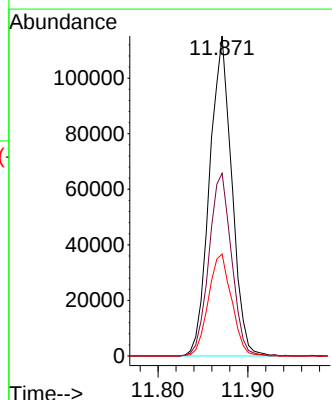
Tgt Ion:117 Resp: 198066

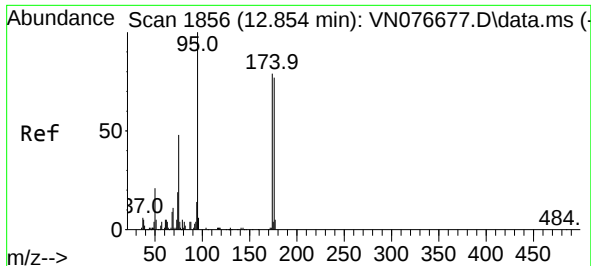
Ion Ratio Lower Upper

117 100

82 58.1 45.4 68.0

119 33.3 26.8 40.2

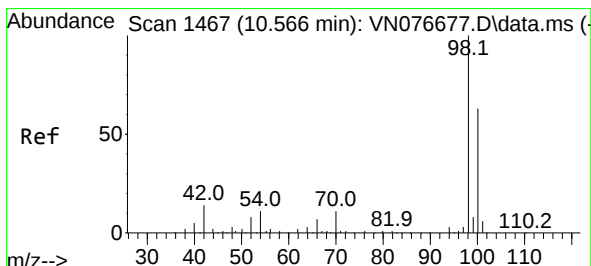
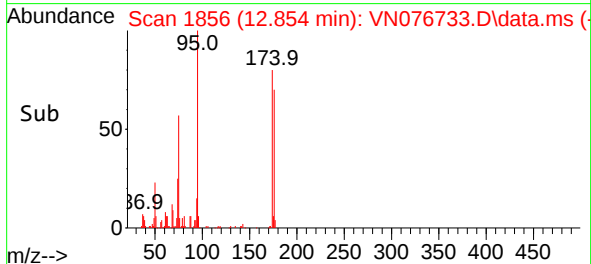
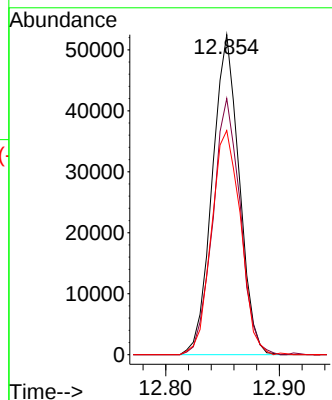
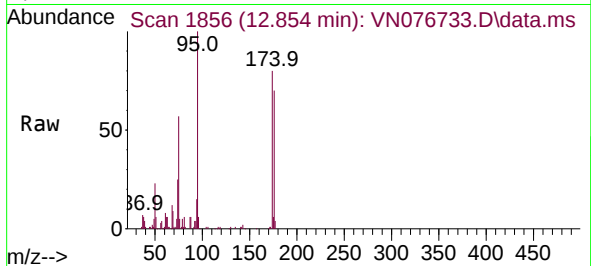




#60
4-Bromofluorobenzene
Concen: 24.631 ug/l
RT: 12.854 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076733.D
Acq: 17 Feb 2023 14:40

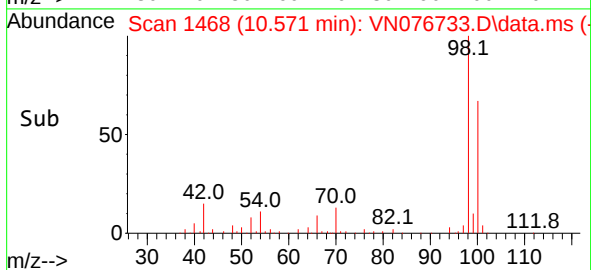
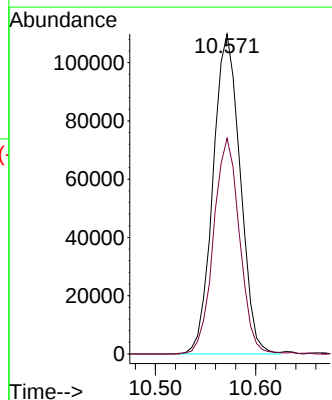
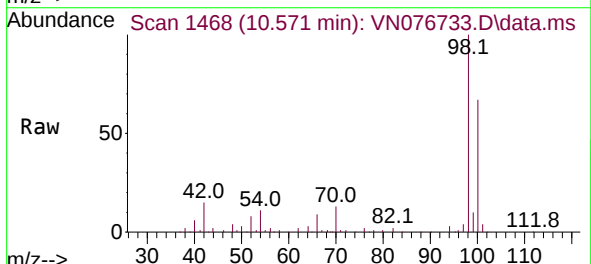
Instrument :
MSVOA_N
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230215017-01-TRIP-BLANK

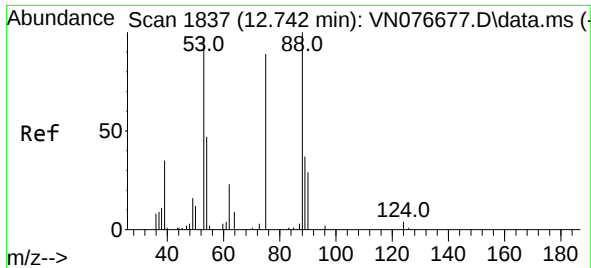
Tgt Ion: 95 Resp: 86293
Ion Ratio Lower Upper
95 100
174 81.3 64.2 96.4
176 75.8 61.4 92.0



#63
Toluene-d8
Concen: 29.761 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076733.D
Acq: 17 Feb 2023 14:40

Tgt Ion: 98 Resp: 206468
Ion Ratio Lower Upper
98 100
100 64.6 53.8 80.6





#77

t-1,4-Dichloro-2-butene

Concen: 37.418 ug/l

RT: 12.854 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN076733.D

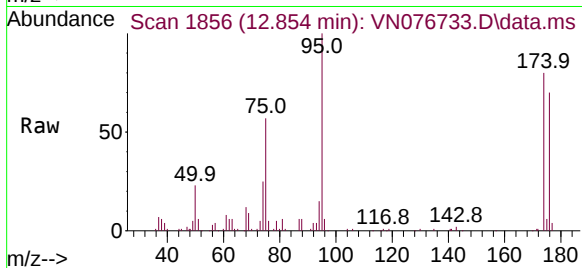
Acq: 17 Feb 2023 14:40

Instrument :

MSVOA_N

ClientSampleId :

230215017-01-TRIP-BLANK



Tgt Ion: 75 Resp: 50125

Ion Ratio Lower Upper

75 100

53 0.0 50.4 151.3#

89 0.0 22.1 66.5#

