

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074070.D
 Acq On : 23 Aug 2022 16:01
 Operator : JC\MD
 Sample : N4291-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Y-7

Quant Time: Aug 24 01:21:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

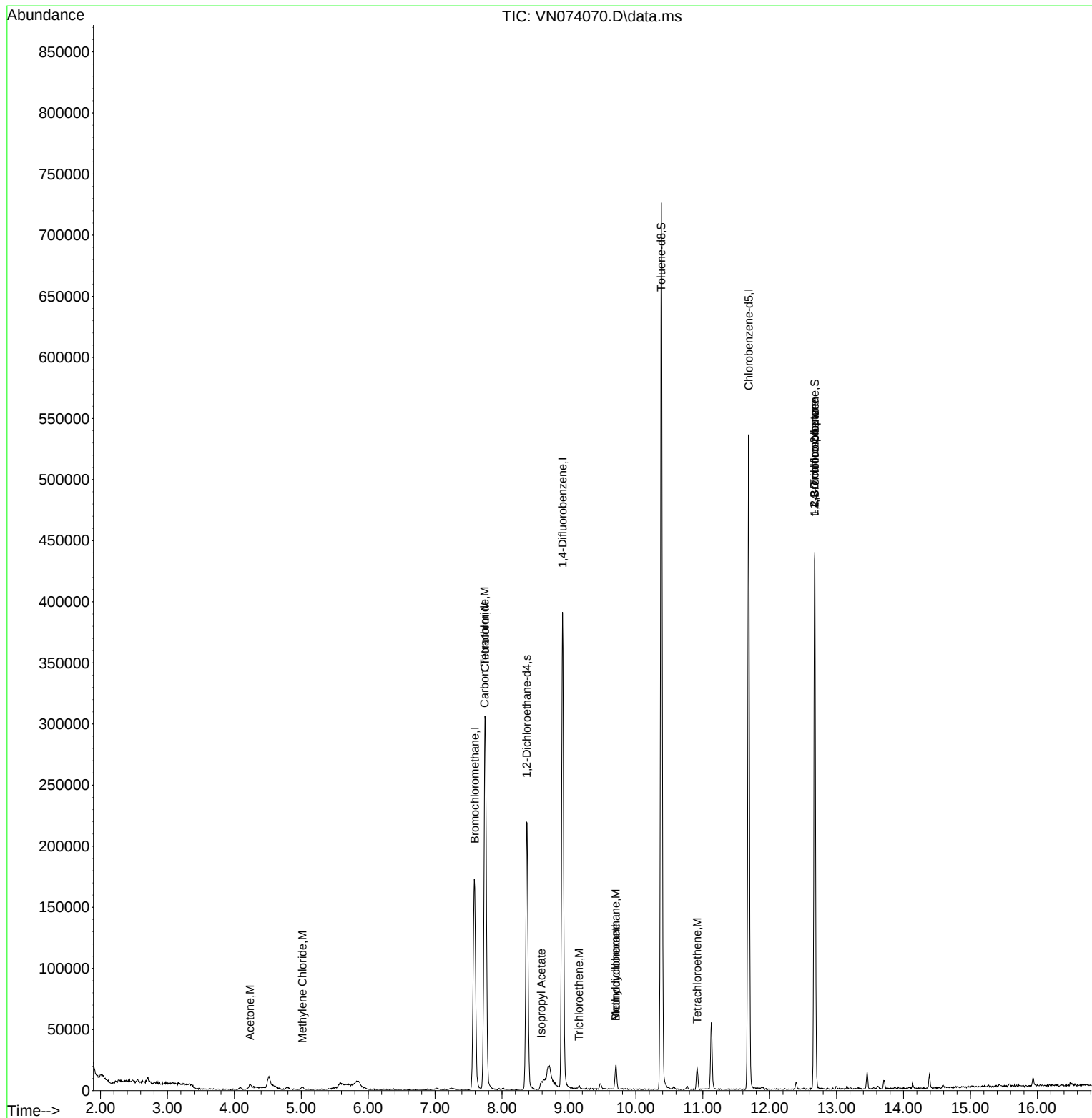
Internal Standards						
1) Bromochloromethane	7.593	128	69984	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	361534	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	319229	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	183902	30.392	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.300%
60) 4-Bromofluorobenzene	12.675	95	148595	26.289	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.633%
63) Toluene-d8	10.381	98	508868	28.310	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.367%
Target Compounds						
					Qvalue	
15) Acetone	4.234	58	1524	1.595	ug/l #	64
18) Methylene Chloride	5.016	84	1405	0.253	ug/l	92
25) Chloroform	7.745	83	324677	33.529	ug/l	100
33) Carbon Tetrachloride	7.740	117	2063	0.308	ug/l	90
37) Trichloroethene	9.151	130	1219	0.227	ug/l	90
38) Methylcyclohexane	9.698	83	13943	1.663	ug/l #	21
41) Bromodichloromethane	9.698	83	13943	1.903	ug/l	91
44) Isopropyl Acetate	8.587	43	3188	0.259	ug/l #	59
61) Tetrachloroethene	10.916	164	4495	0.919	ug/l #	77
72) 1,2,3-Trichloropropane	12.669	75	74096	10.954	ug/l	1
77) t-1,4-Dichloro-2-butene	12.669	75	74096	30.057	ug/l #	8

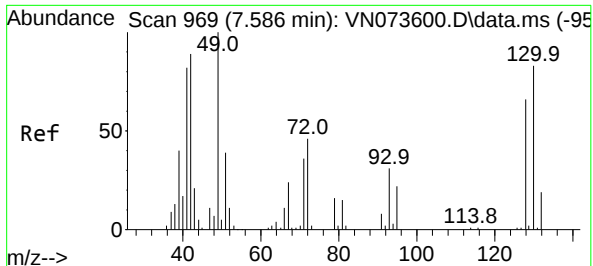
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Y-7

Quant Time: Aug 24 01:21:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 27 18:07:26 2022
Response via : Initial Calibration

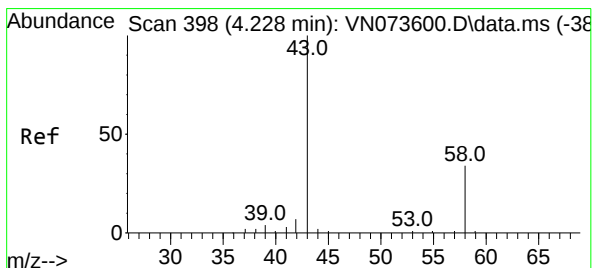
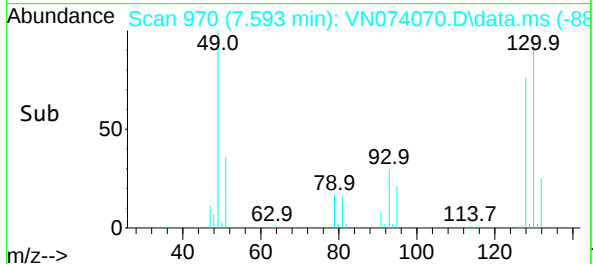
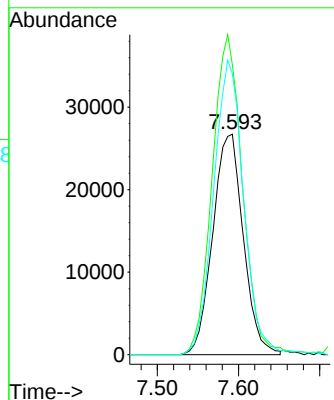
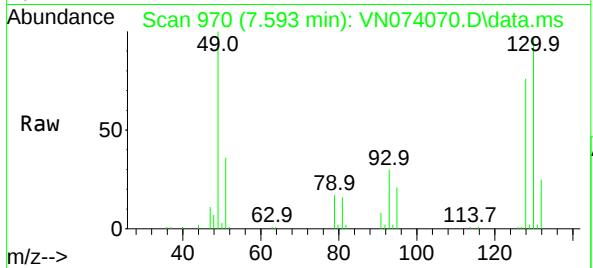




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.593 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074070.D
Acq: 23 Aug 2022 16:01

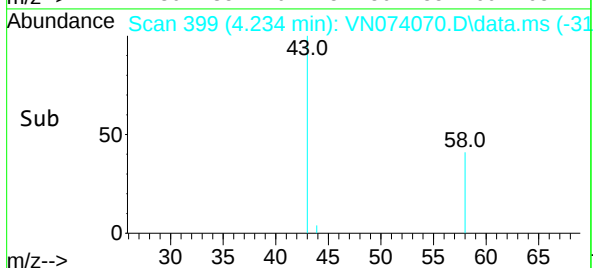
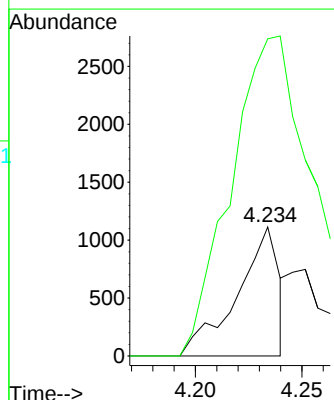
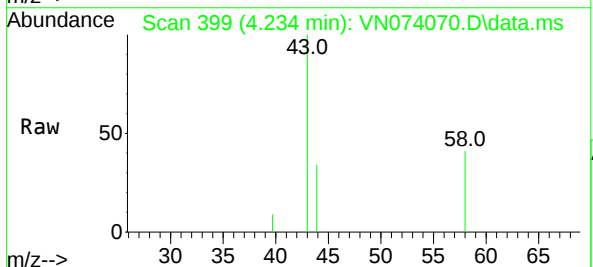
Instrument :
MSVOA_N
ClientSampleId :
Y-7

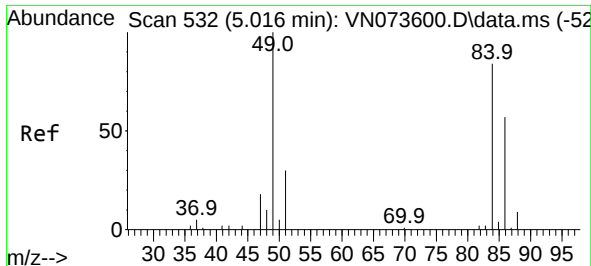
Tgt Ion:128 Resp: 69984
Ion Ratio Lower Upper
128 100
49 142.5 0.0 392.3
130 130.3 0.0 320.2



#15
Acetone
Concen: 1.595 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.006 min
Lab File: VN074070.D
Acq: 23 Aug 2022 16:01

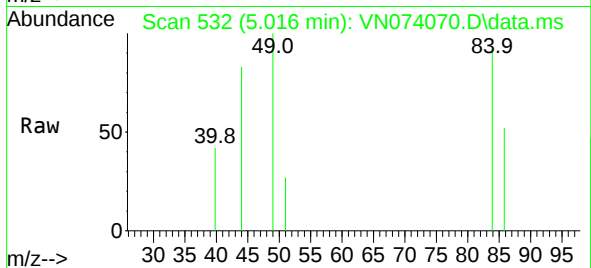
Tgt Ion: 58 Resp: 1524
Ion Ratio Lower Upper
58 100
43 246.0 256.6 384.8#



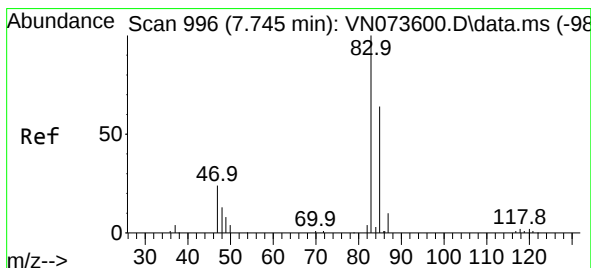
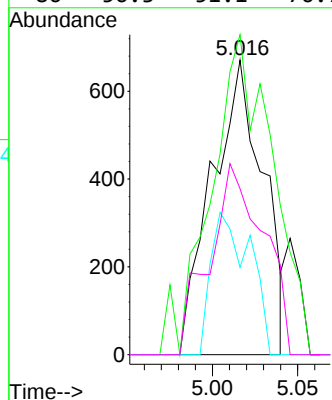


#18
Methylene Chloride
Concen: 0.253 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074070.D
Acq: 23 Aug 2022 16:01

Instrument :
MSVOA_N
ClientSampleId :
Y-7

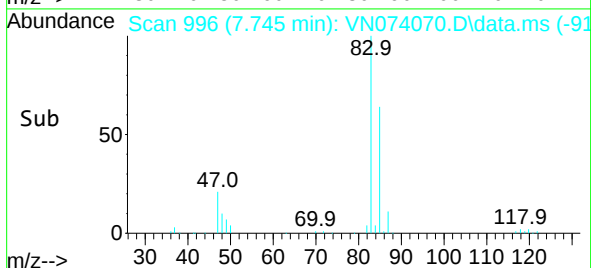
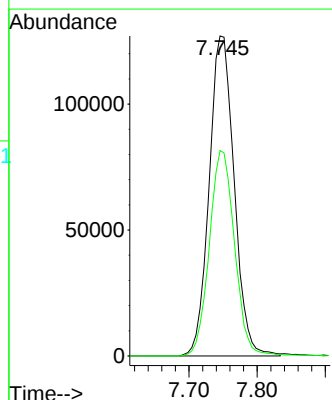
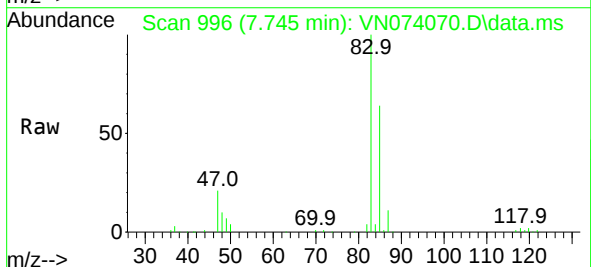


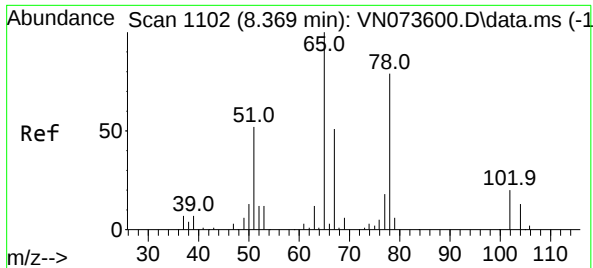
Tgt Ion:	84	Resp:	1405
Ion	Ratio	Lower	Upper
84	100		
49	108.6	91.4	137.0
51	29.7	29.4	44.0
86	56.3	51.1	76.7



#25
Chloroform
Concen: 33.529 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074070.D
Acq: 23 Aug 2022 16:01

Tgt Ion:	83	Resp:	324677
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.3	76.9

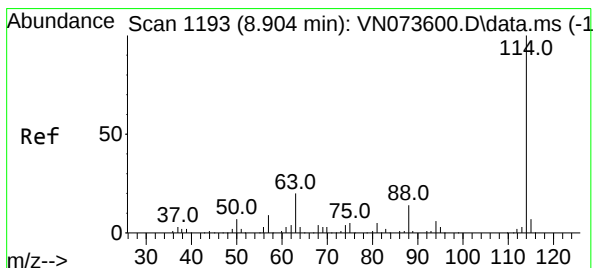
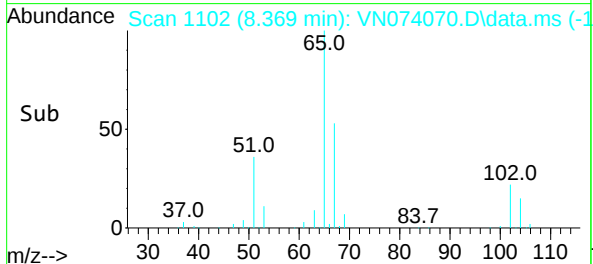
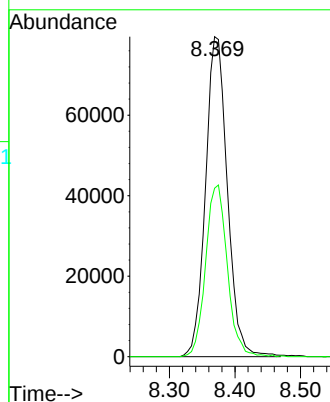
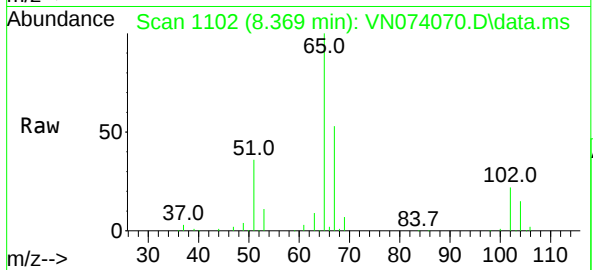




#27
 1,2-Dichloroethane-d4
 Concen: 30.392 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: VN074070.D
 Acq: 23 Aug 2022 16:01

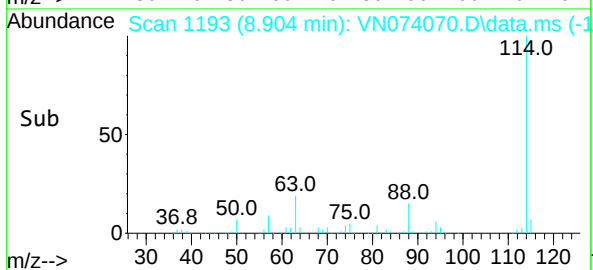
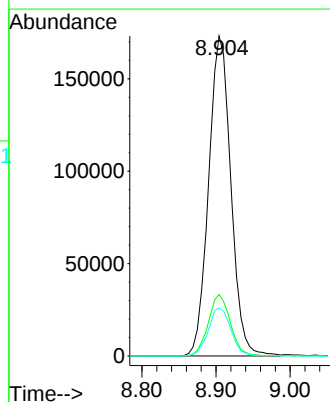
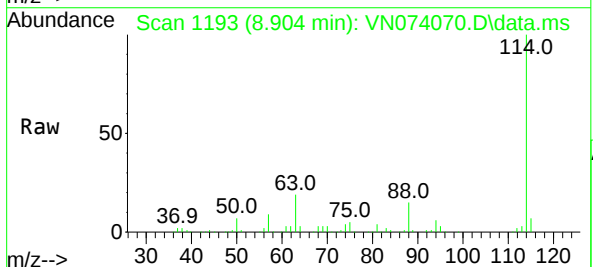
Instrument :
 MSVOA_N
 ClientSampleId :
 Y-7

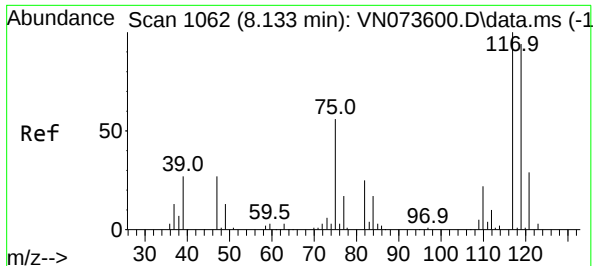
Tgt Ion: 65 Resp: 183902
 Ion Ratio Lower Upper
 65 100
 67 53.1 40.2 60.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VN074070.D
 Acq: 23 Aug 2022 16:01

Tgt Ion: 114 Resp: 361534
 Ion Ratio Lower Upper
 114 100
 63 19.0 15.8 23.6
 88 15.3 11.6 17.4





#33

Carbon Tetrachloride

Concen: 0.308 ug/l

RT: 7.740 min Scan# 91

Delta R.T. -0.394 min

Lab File: VN074070.D

Acq: 23 Aug 2022 16:01

Instrument :

MSVOA_N

ClientSampleId :

Y-7

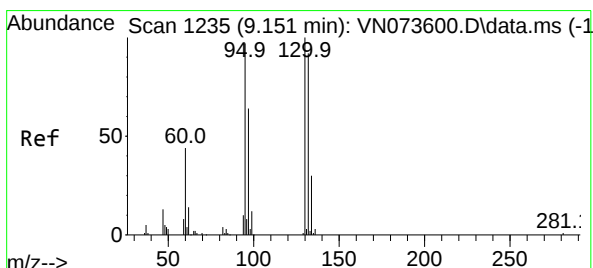
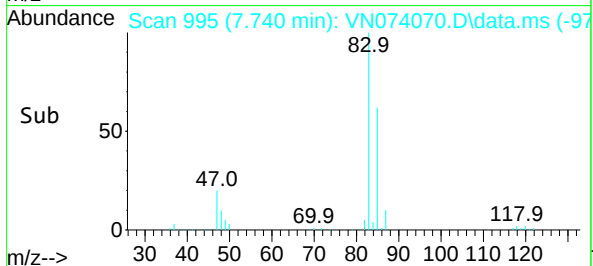
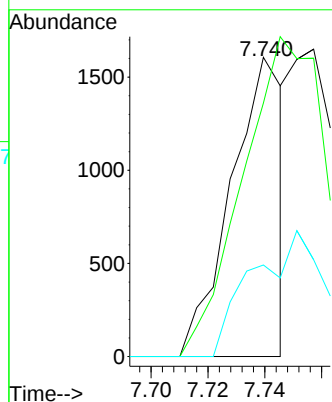
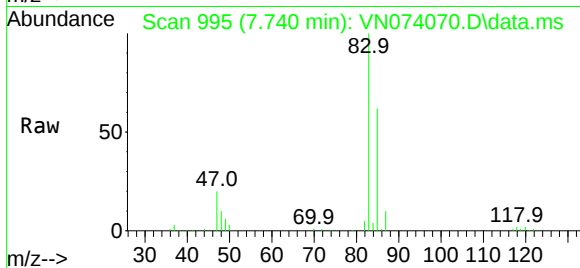
Tgt Ion:117 Resp: 2063

Ion Ratio Lower Upper

117 100

119 84.7 77.5 116.3

121 30.6 23.5 35.3



#37

Trichloroethene

Concen: 0.227 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VN074070.D

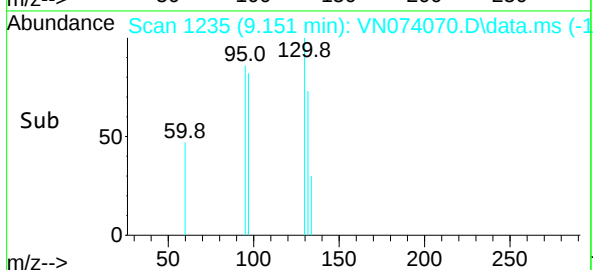
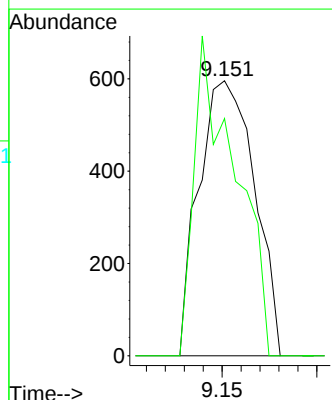
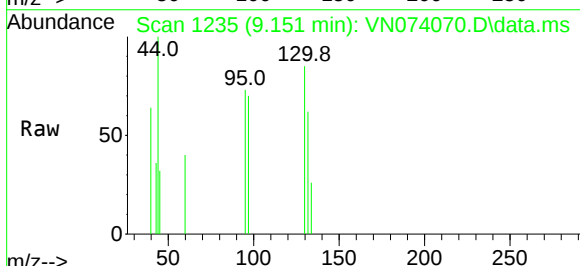
Acq: 23 Aug 2022 16:01

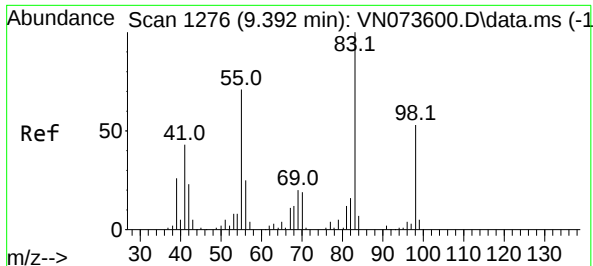
Tgt Ion:130 Resp: 1219

Ion Ratio Lower Upper

130 100

95 86.2 76.6 115.0





#38

Methylcyclohexane

Concen: 1.663 ug/l

RT: 9.698 min Scan# 1328

Delta R.T. 0.306 min

Lab File: VN074070.D

Acq: 23 Aug 2022 16:01

Instrument :

MSVOA_N

ClientSampleId :

Y-7

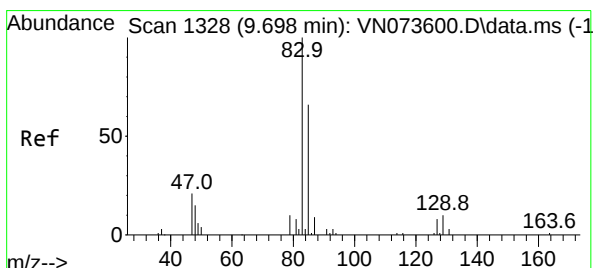
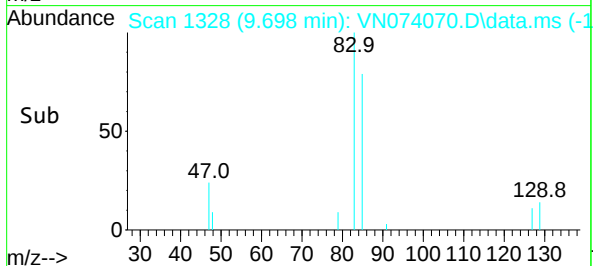
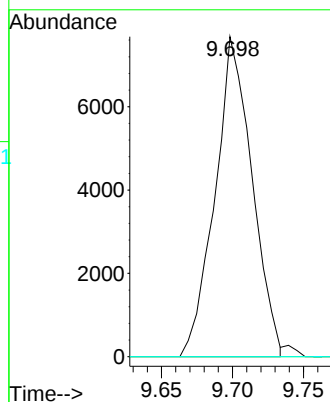
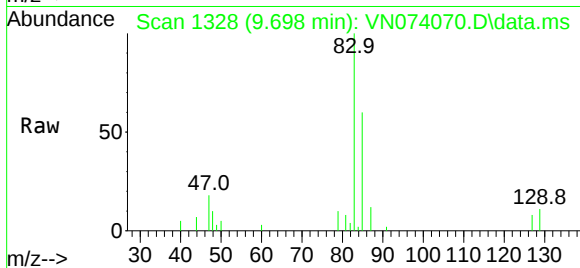
Tgt Ion: 83 Resp: 13943

Ion Ratio Lower Upper

83 100

55 0.0 35.1 105.3#

98 0.0 23.4 70.2#



#41

Bromodichloromethane

Concen: 1.903 ug/l

RT: 9.698 min Scan# 1328

Delta R.T. 0.000 min

Lab File: VN074070.D

Acq: 23 Aug 2022 16:01

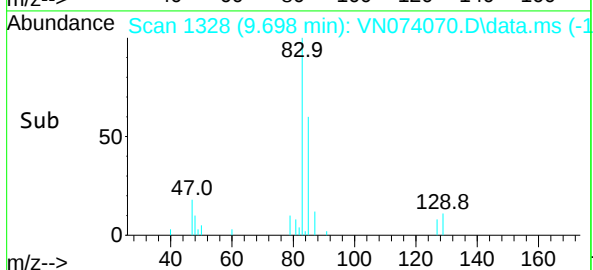
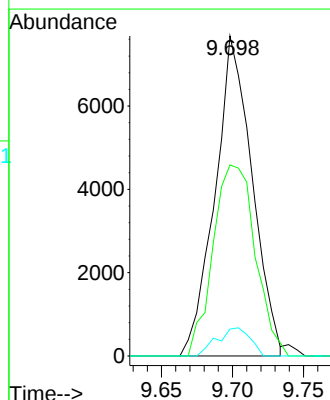
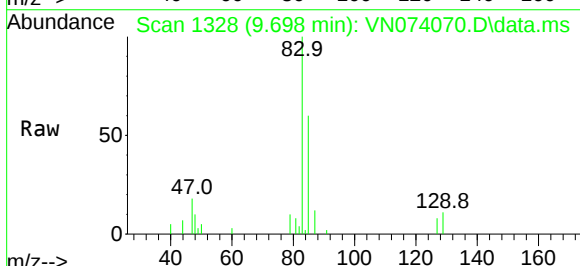
Tgt Ion: 83 Resp: 13943

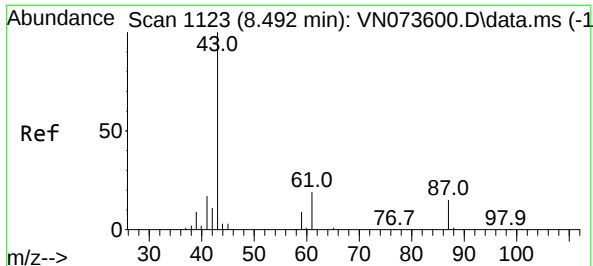
Ion Ratio Lower Upper

83 100

85 59.7 54.1 81.1

127 8.4 7.6 11.4





#44

Isopropyl Acetate

Concen: 0.259 ug/l

RT: 8.587 min Scan# 1139

Delta R.T. 0.094 min

Lab File: VN074070.D

Acq: 23 Aug 2022 16:01

Instrument :

MSVOA_N

ClientSampleId :

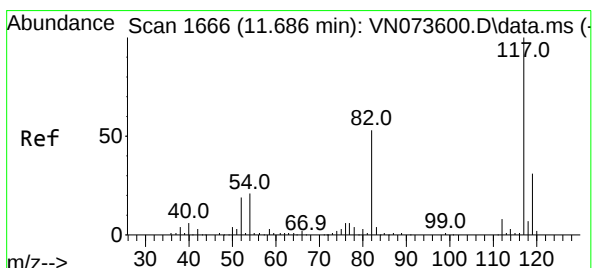
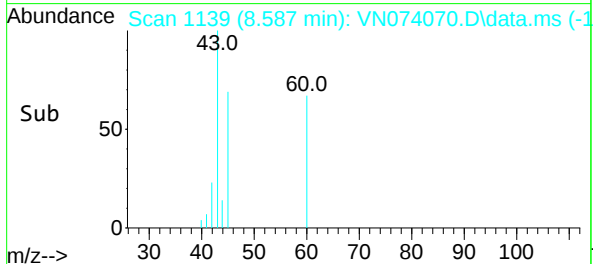
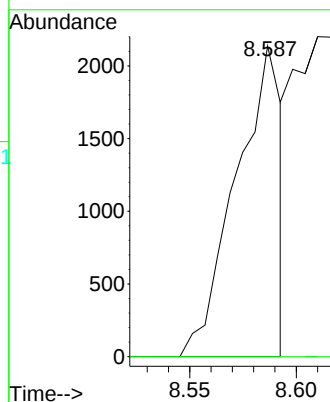
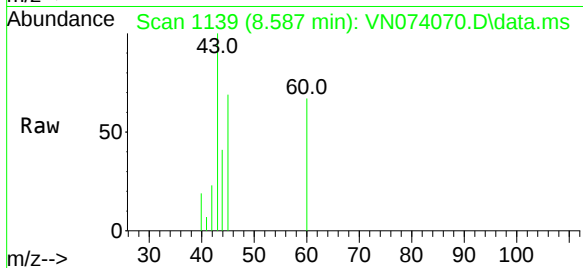
Y-7

Tgt Ion: 43 Resp: 3188

Ion Ratio Lower Upper

43 100

61 4.5 20.1 30.1#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.686 min Scan# 1666

Delta R.T. 0.000 min

Lab File: VN074070.D

Acq: 23 Aug 2022 16:01

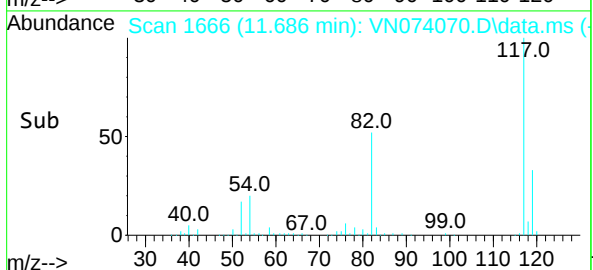
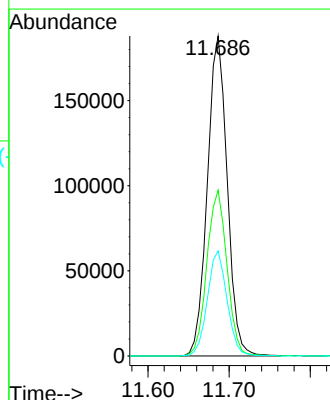
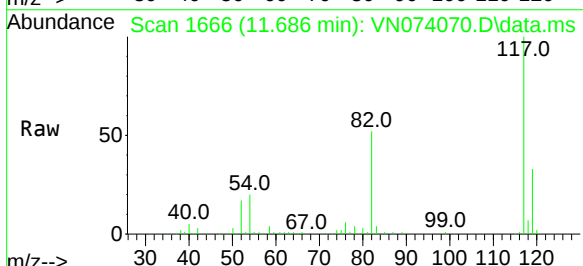
Tgt Ion: 117 Resp: 319229

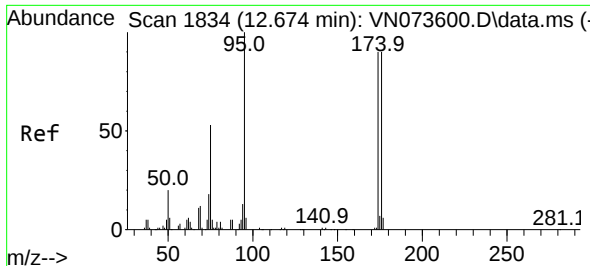
Ion Ratio Lower Upper

117 100

82 52.5 43.6 65.4

119 32.5 25.8 38.6

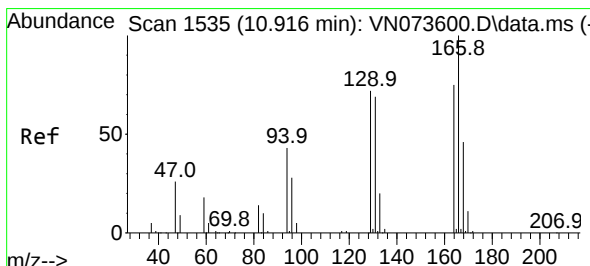
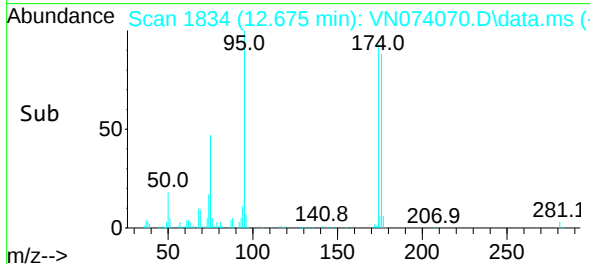
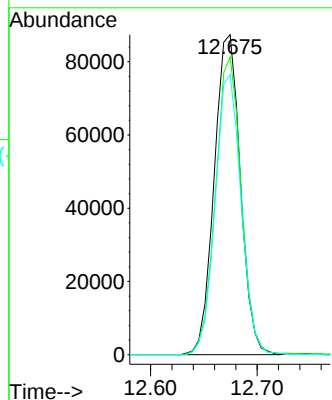
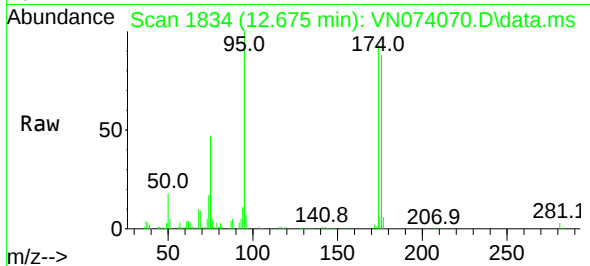




#60
4-Bromofluorobenzene
Concen: 26.289 ug/l
RT: 12.675 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074070.D
Acq: 23 Aug 2022 16:01

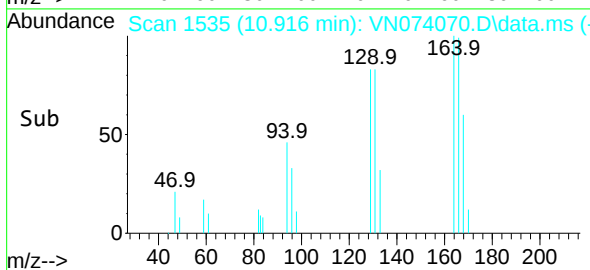
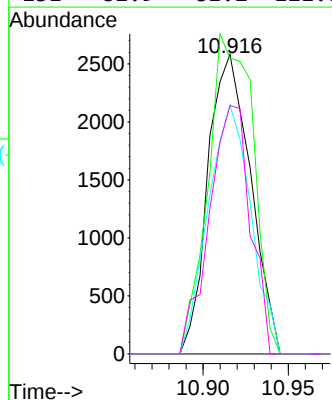
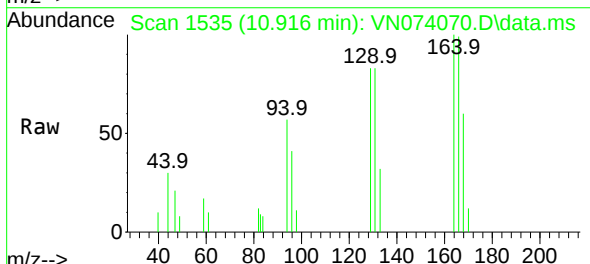
Instrument :
MSVOA_N
ClientSampleId :
Y-7

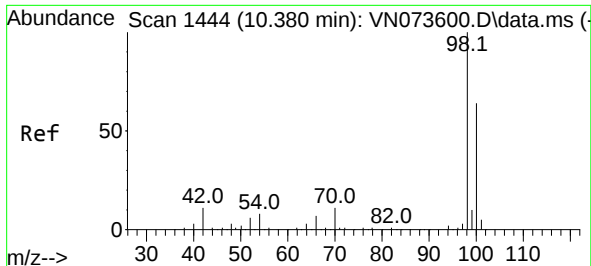
Tgt Ion: 95 Resp: 148595
Ion Ratio Lower Upper
95 100
174 92.1 62.9 94.3
176 86.7 61.0 91.4



#61
Tetrachloroethene
Concen: 0.919 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.000 min
Lab File: VN074070.D
Acq: 23 Aug 2022 16:01

Tgt Ion: 164 Resp: 4495
Ion Ratio Lower Upper
164 100
166 98.7 105.8 158.8#
129 83.1 82.5 123.7
131 82.9 81.2 121.8

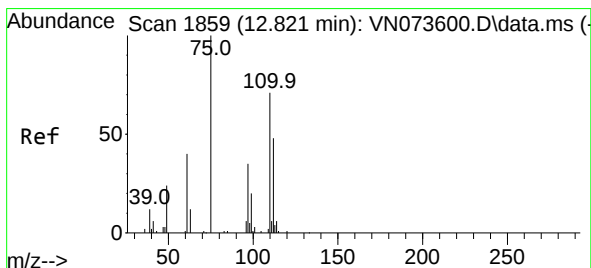
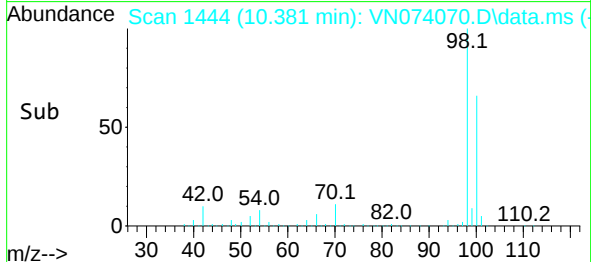
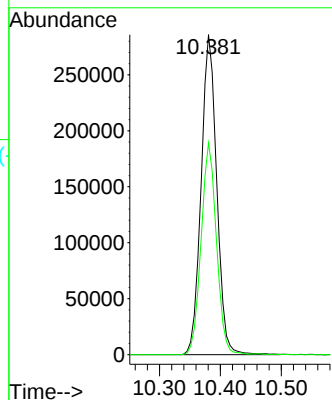
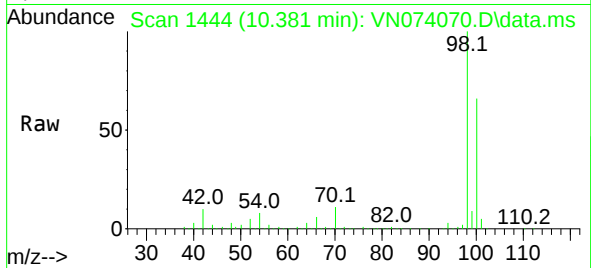




#63
Toluene-d8
Concen: 28.310 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074070.D
Acq: 23 Aug 2022 16:01

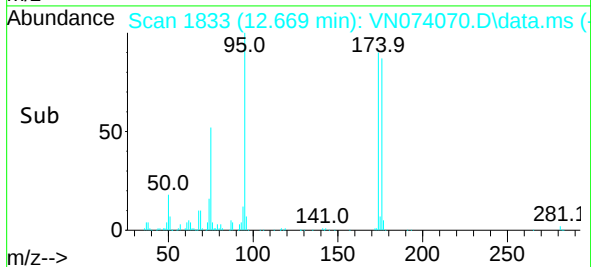
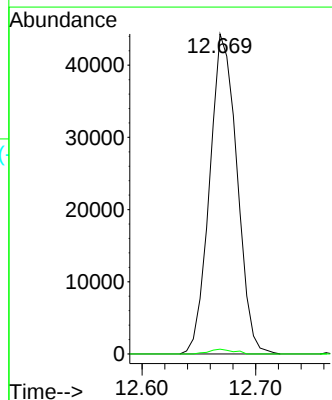
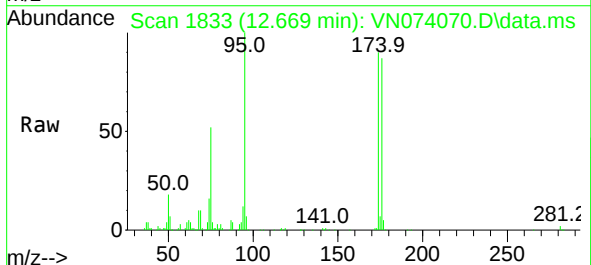
Instrument :
MSVOA_N
ClientSampleId :
Y-7

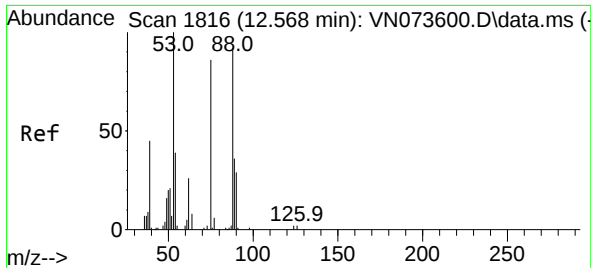
Tgt Ion: 98 Resp: 508868
Ion Ratio Lower Upper
98 100
100 65.1 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 10.954 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074070.D
Acq: 23 Aug 2022 16:01

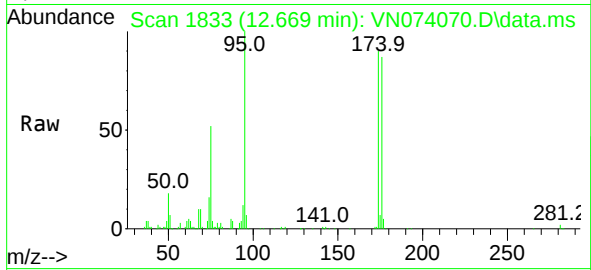
Tgt Ion: 75 Resp: 74096
Ion Ratio Lower Upper
75 100
77 1.3 0.0 378.0





#77
t-1,4-Dichloro-2-butene
Concen: 30.057 ug/l
RT: 12.669 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN074070.D
Acq: 23 Aug 2022 16:01

Instrument :
MSVOA_N
ClientSampleId :
Y-7



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

