

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073079.D
 Acq On : 24 Jun 2022 13:09
 Operator : JC\MD
 Sample : N3376-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 220615002-01-TRIP-BLANK

Quant Time: Jun 24 23:33:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 24 04:54:59 2022
 Response via : Initial Calibration

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

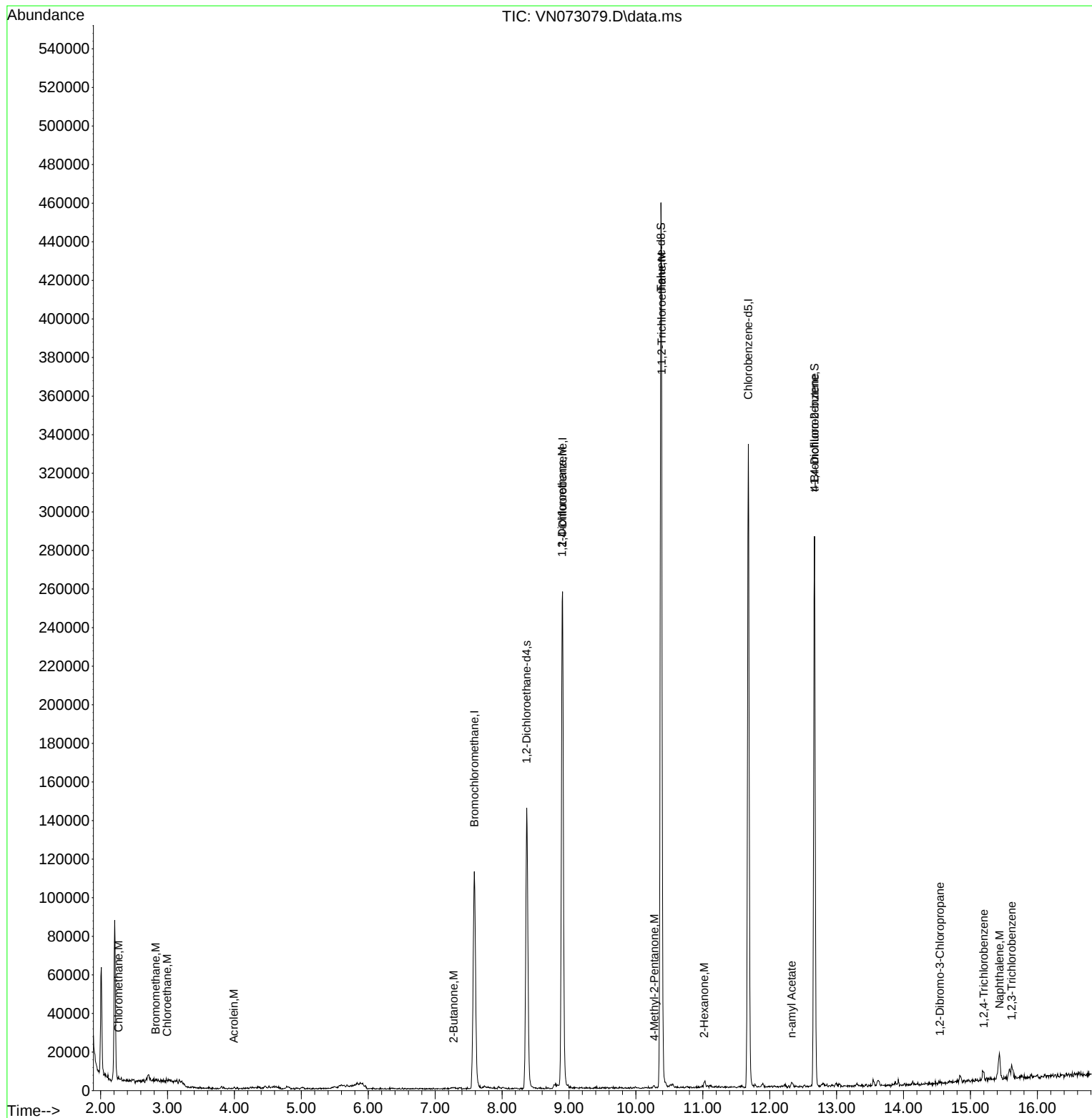
Internal Standards						
1) Bromochloromethane	7.586	128	40713	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	227591	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.680	117	186800	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	118935	30.304	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.000%
60) 4-Bromofluorobenzene	12.668	95	97614	27.313	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.033%
63) Toluene-d8	10.375	98	319967	31.631	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.433%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	845	0.277	ug/l	92
5) Bromomethane	2.822	94	332	0.369	ug/l	82
6) Chloroethane	2.993	64	793	0.470	ug/l #	44
13) Acrolein	3.993	56	385	0.654	ug/l #	14
30) 2-Butanone	7.275	43	701	0.221	ug/l #	83
36) 1,2-Dichloroethane	8.898	62	7753	1.633	ug/l #	77
47) n-amyl Acetate	12.327	43	1870	0.253	ug/l #	77
50) 1,1,2-Trichloroethane	10.386	97	10221	3.148	ug/l #	1
58) 4-Methyl-2-Pentanone	10.275	43	1407	0.259	ug/l #	56
59) 2-Hexanone	11.022	43	2613	0.630	ug/l	98
77) t-1,4-Dichloro-2-butene	12.668	75	49811	45.013	ug/l #	8
88) 1,2-Dibromo-3-Chloropr...	14.545	75	247	0.212	ug/l #	51
89) 1,2,4-Trichlorobenzene	15.198	180	1982	0.663	ug/l #	61
91) Naphthalene	15.433	128	14219	1.218	ug/l #	89
92) 1,2,3-Trichlorobenzene	15.615	180	2686	0.883	ug/l	86

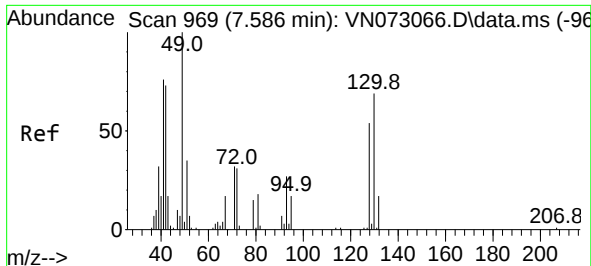
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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220615002-01-TRIP-BLANK

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062322W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 24 04:54:59 2022
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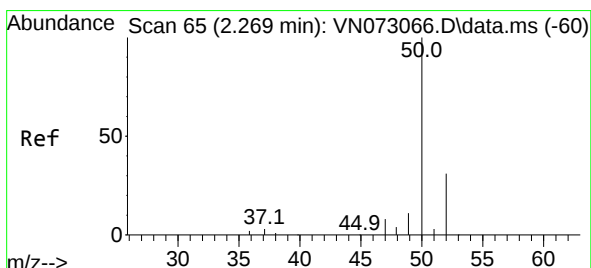
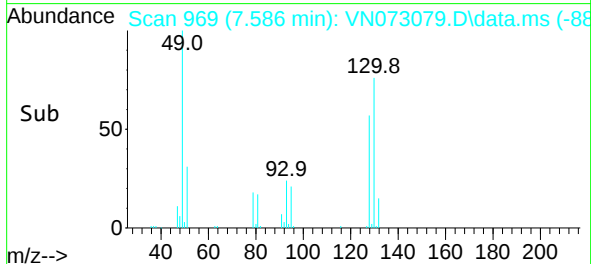
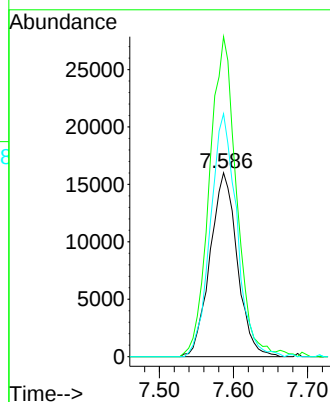
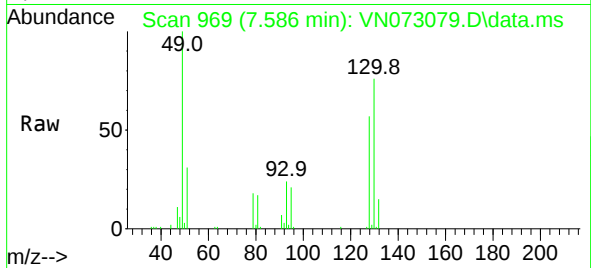




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.586 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

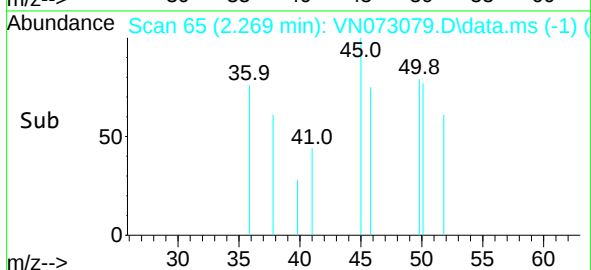
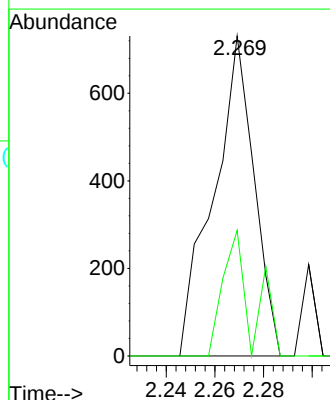
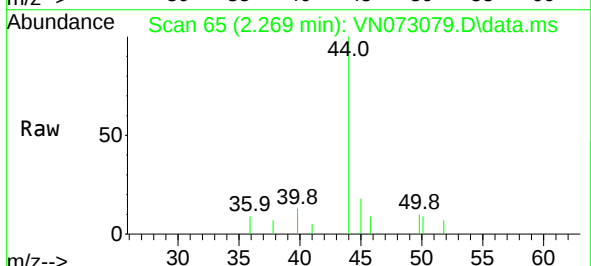
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MSVOA_N
ClientSampleId :
220615002-01-TRIP-BLANK

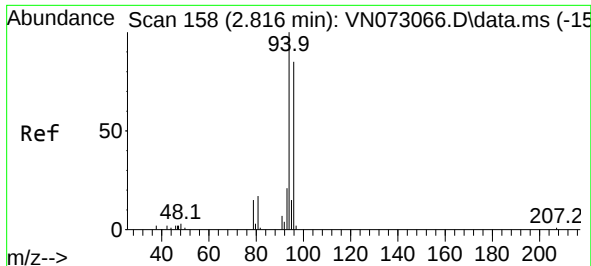
Tgt Ion:128 Resp: 40713
Ion Ratio Lower Upper
128 100
49 172.6 0.0 392.3
130 128.2 0.0 320.2



#3
Chloromethane
Concen: 0.277 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

Tgt Ion: 50 Resp: 845
Ion Ratio Lower Upper
50 100
52 39.3 27.8 41.6

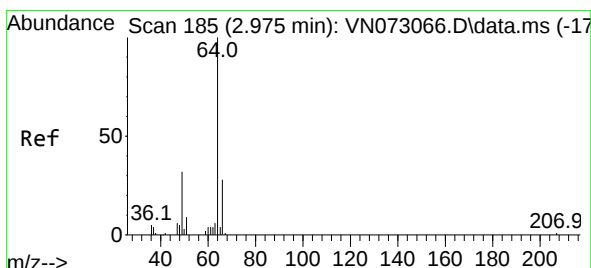
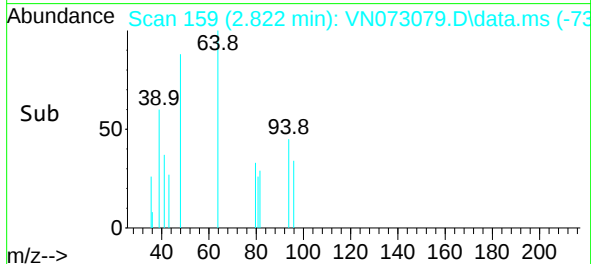
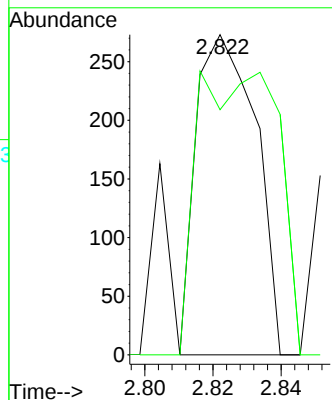
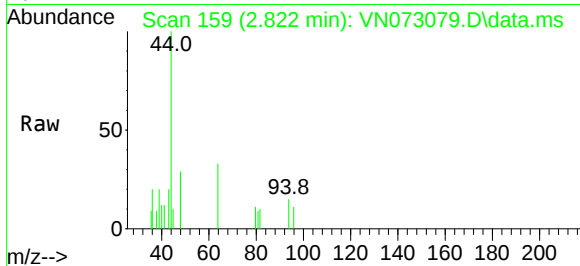




#5
Bromomethane
Concen: 0.369 ug/l
RT: 2.822 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

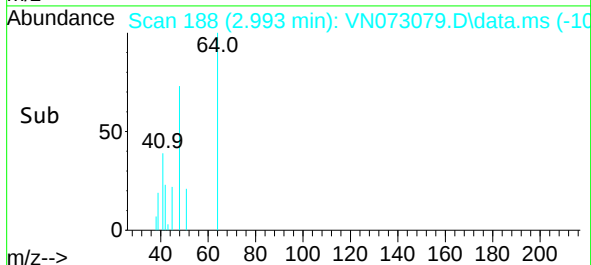
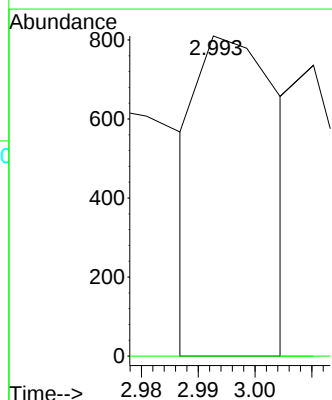
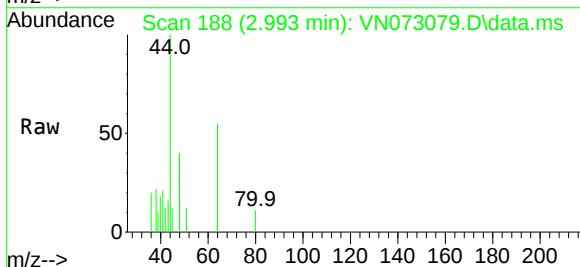
Instrument :
MSVOA_N
ClientSampleId :
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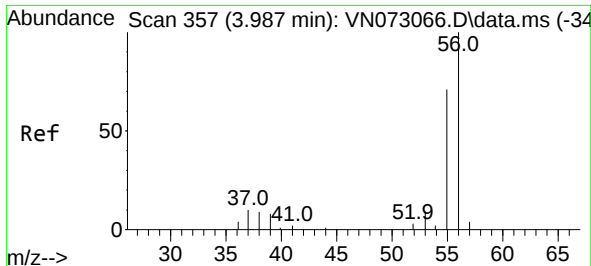
Tgt Ion: 94 Resp: 332
Ion Ratio Lower Upper
94 100
96 76.6 75.2 112.8



#6
Chloroethane
Concen: 0.470 ug/l
RT: 2.993 min Scan# 188
Delta R.T. 0.018 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

Tgt Ion: 64 Resp: 793
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

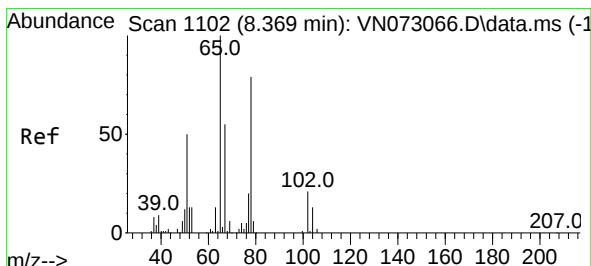
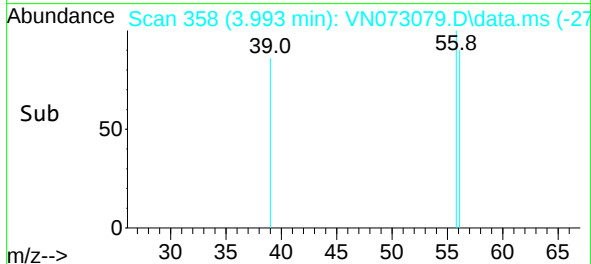
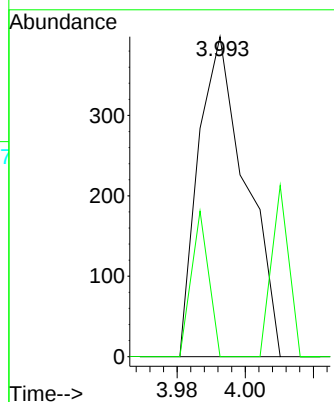
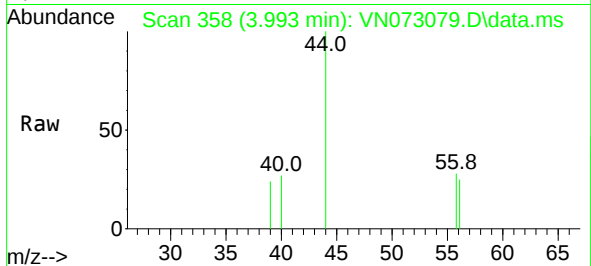




#13
Acrolein
Concen: 0.654 ug/l
RT: 3.993 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

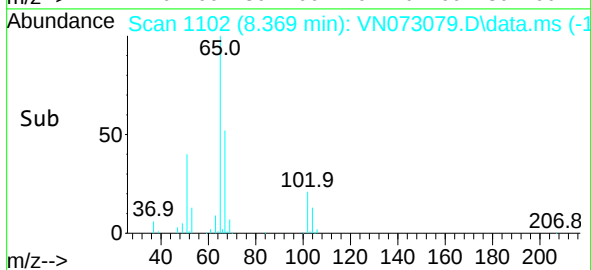
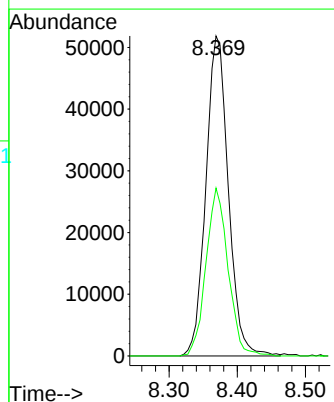
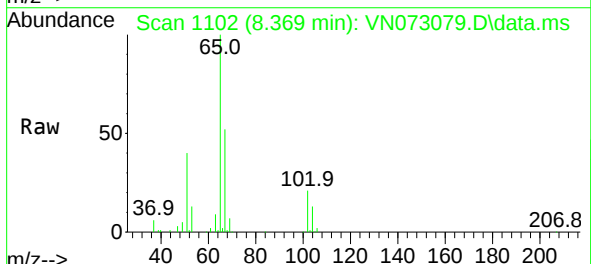
Instrument :
MSVOA_N
ClientSampleId :
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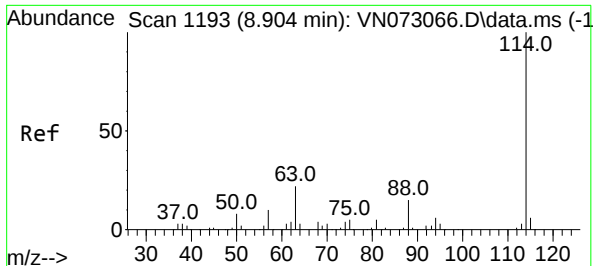
Tgt Ion: 56 Resp: 385
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#27
1,2-Dichloroethane-d4
Concen: 30.304 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

Tgt Ion: 65 Resp: 118935
Ion Ratio Lower Upper
65 100
67 51.7 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: VN073079.D

Acq: 24 Jun 2022 13:09

Instrument :

MSVOA_N

ClientSampleId :

220615002-01-TRIP-BLANK

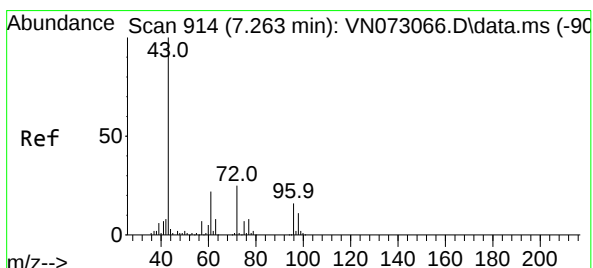
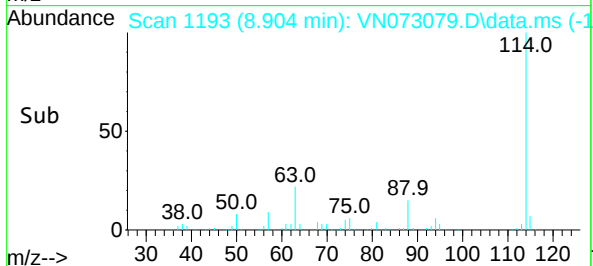
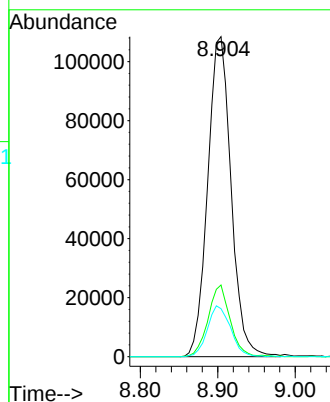
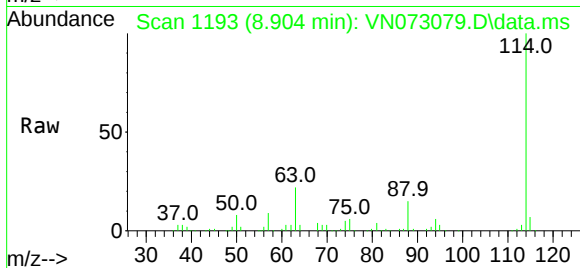
Tgt Ion:114 Resp: 227591

Ion Ratio Lower Upper

114 100

63 20.9 15.8 23.6

88 15.7 11.6 17.4



#30

2-Butanone

Concen: 0.221 ug/l

RT: 7.275 min Scan# 916

Delta R.T. 0.012 min

Lab File: VN073079.D

Acq: 24 Jun 2022 13:09

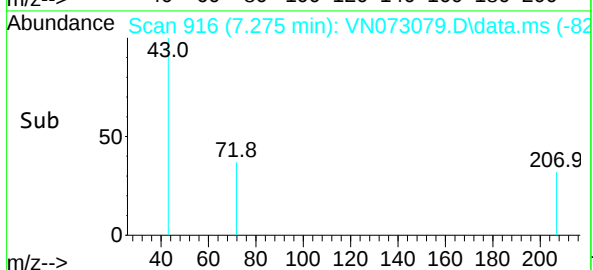
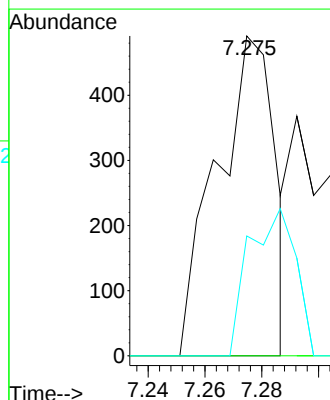
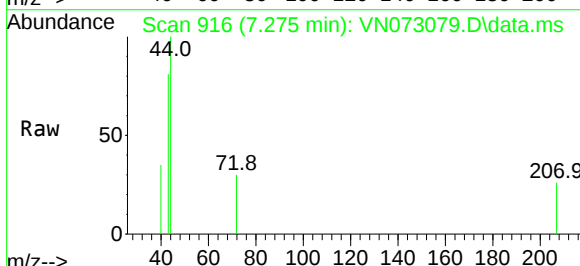
Tgt Ion: 43 Resp: 701

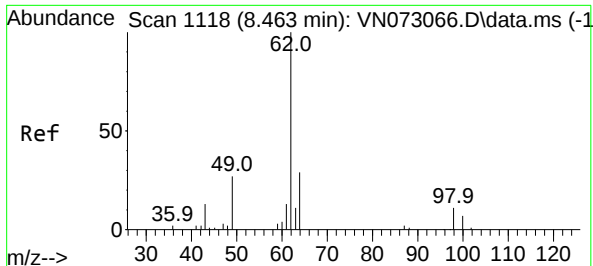
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 36.8 23.2 34.8#

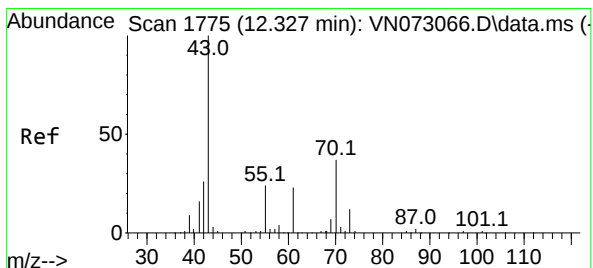
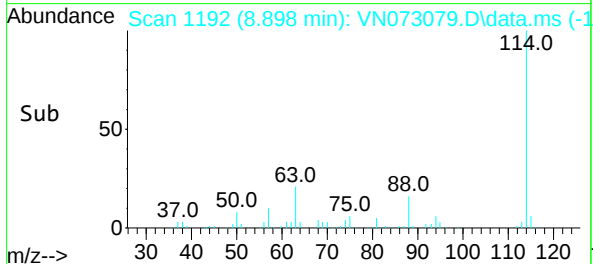
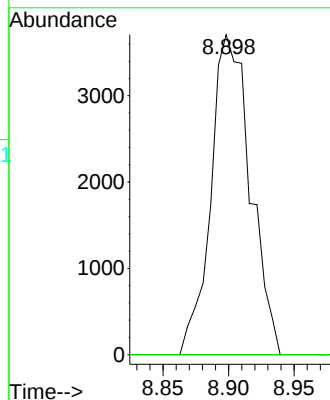
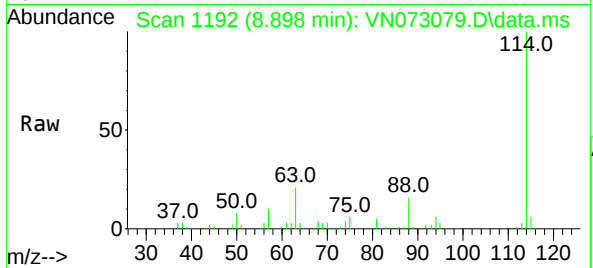




#36
1,2-Dichloroethane
Concen: 1.633 ug/l
RT: 8.898 min Scan# 1118
Delta R.T. 0.435 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

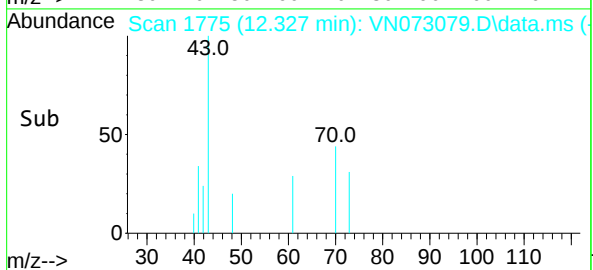
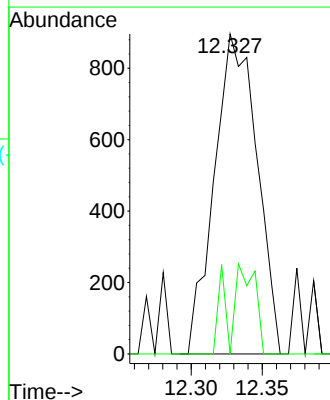
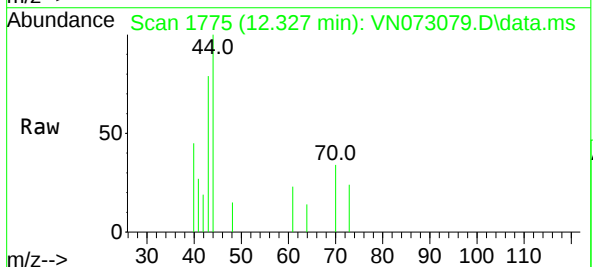
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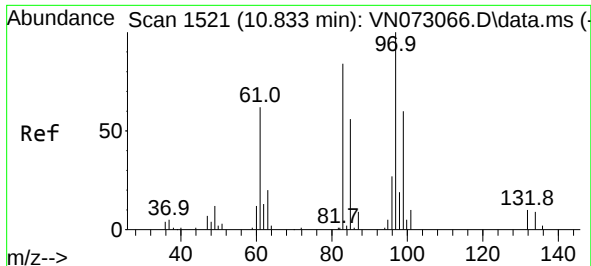
Tgt Ion: 62 Resp: 7753
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#



#47
n-amy1 Acetate
Concen: 0.253 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

Tgt Ion: 43 Resp: 1870
Ion Ratio Lower Upper
43 100
55 12.7 19.0 28.6#

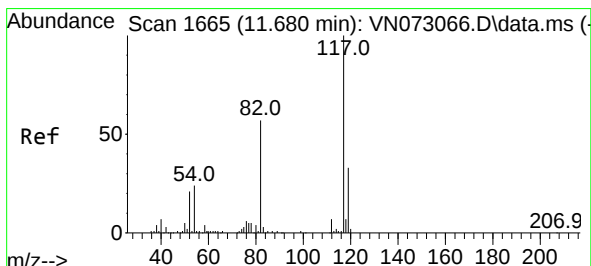
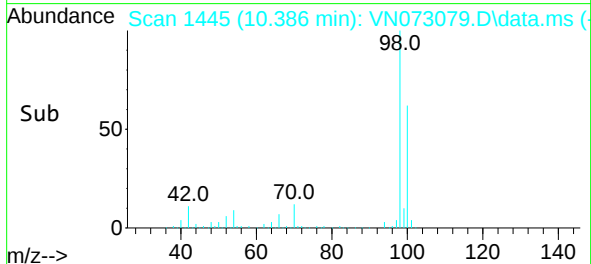
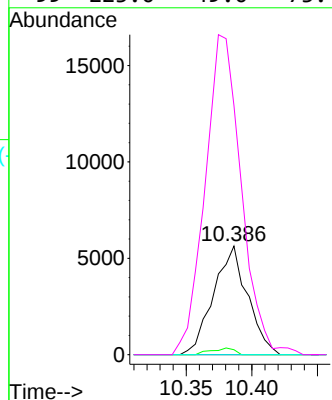
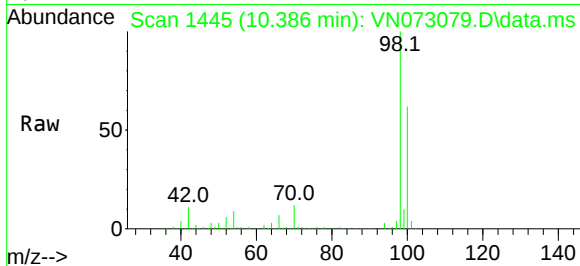




#50
1,1,2-Trichloroethane
Concen: 3.148 ug/l
RT: 10.386 min Scan# 1445
Delta R.T. -0.447 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

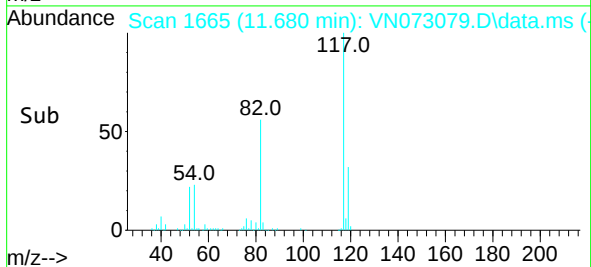
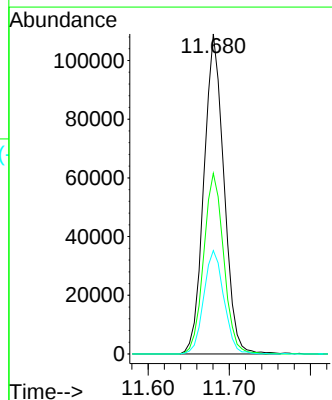
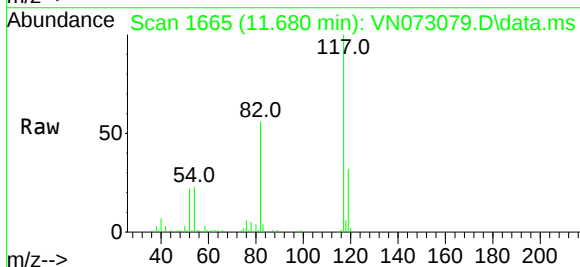
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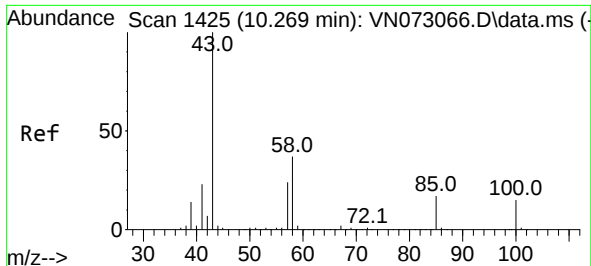
Tgt Ion: 97 Resp: 10221
Ion Ratio Lower Upper
97 100
83 4.5 67.2 100.8#
85 0.0 43.0 64.4#
99 223.0 49.0 73.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

Tgt Ion: 117 Resp: 186800
Ion Ratio Lower Upper
117 100
82 56.4 43.6 65.4
119 32.5 25.8 38.6





#58

4-Methyl-2-Pentanone

Concen: 0.259 ug/l

RT: 10.275 min Scan# 1425

Delta R.T. 0.006 min

Lab File: VN073079.D

Acq: 24 Jun 2022 13:09

Instrument :

MSVOA_N

ClientSampleId :

220615002-01-TRIP-BLANK

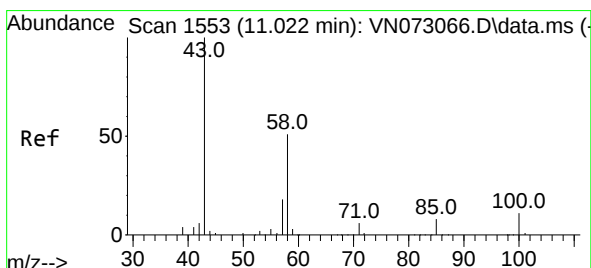
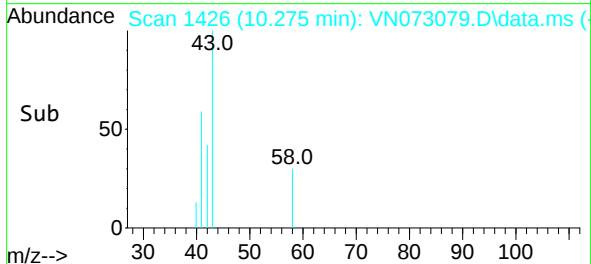
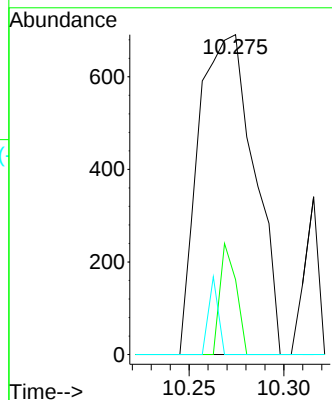
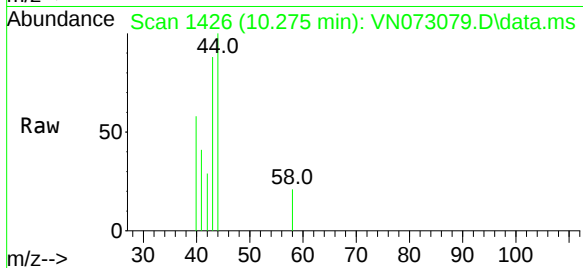
Tgt Ion: 43 Resp: 1407

Ion Ratio Lower Upper

43 100

58 10.1 30.0 45.0#

85 0.0 15.0 22.6#



#59

2-Hexanone

Concen: 0.630 ug/l

RT: 11.022 min Scan# 1553

Delta R.T. 0.000 min

Lab File: VN073079.D

Acq: 24 Jun 2022 13:09

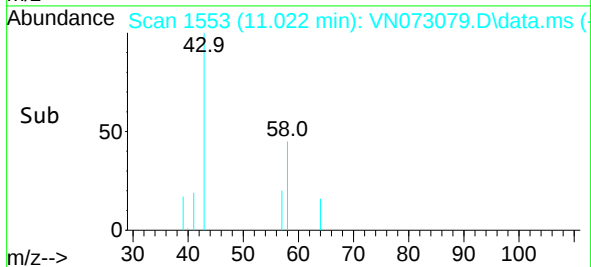
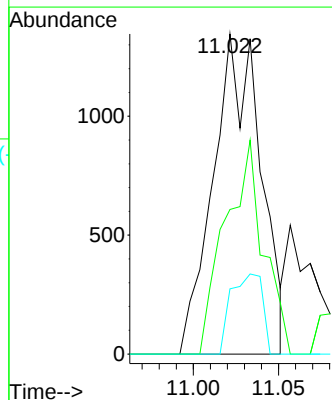
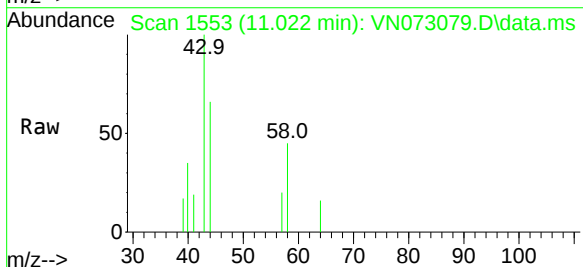
Tgt Ion: 43 Resp: 2613

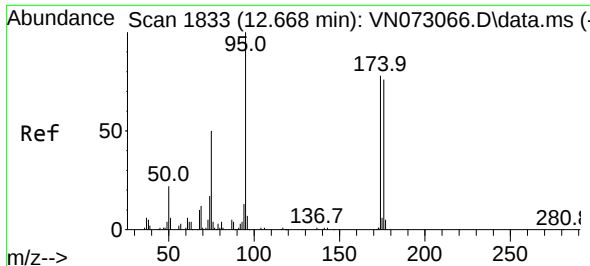
Ion Ratio Lower Upper

43 100

58 53.7 42.2 63.2

57 16.5 15.0 22.4

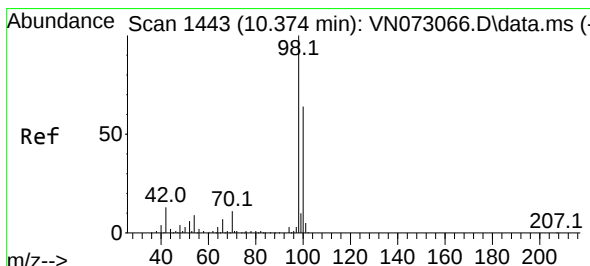
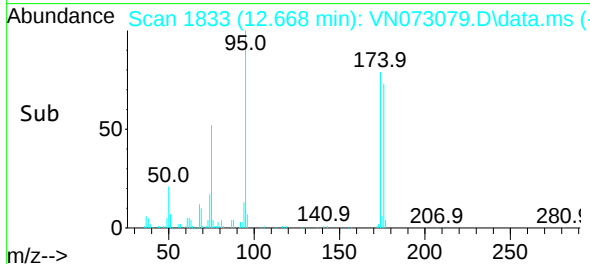
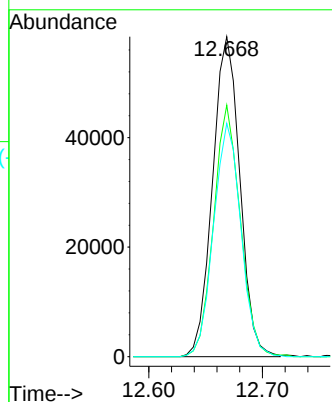
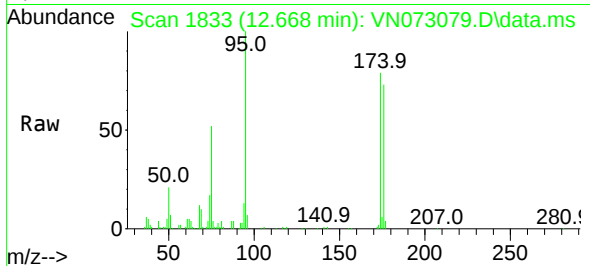




#60
4-Bromofluorobenzene
Concen: 27.313 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

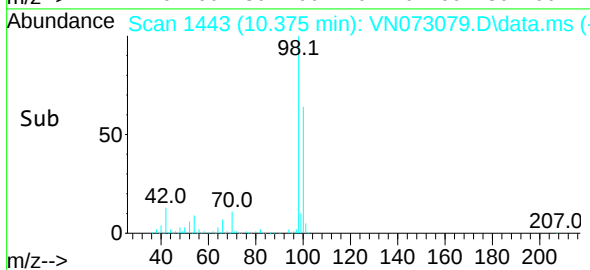
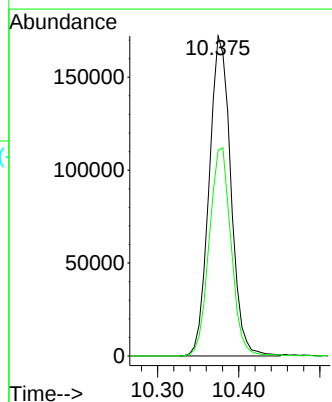
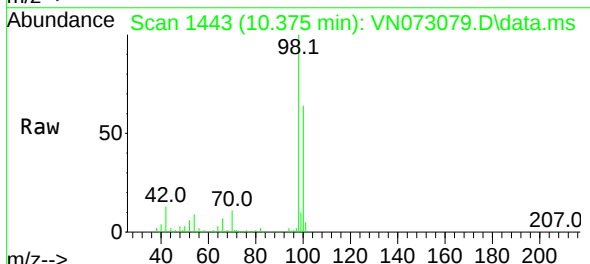
Instrument :
MSVOA_N
ClientSampleId :
220615002-01-TRIP-BLANK

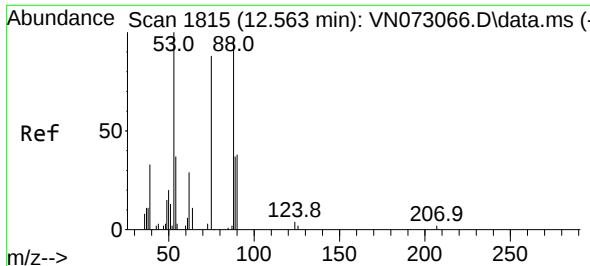
Tgt Ion: 95 Resp: 97614
Ion Ratio Lower Upper
95 100
174 76.6 62.9 94.3
176 73.0 61.0 91.4



#63
Toluene-d8
Concen: 31.631 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

Tgt Ion: 98 Resp: 319967
Ion Ratio Lower Upper
98 100
100 65.1 50.6 76.0

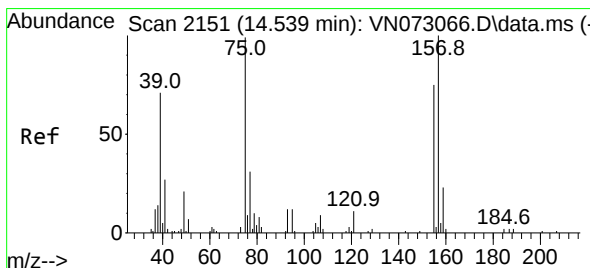
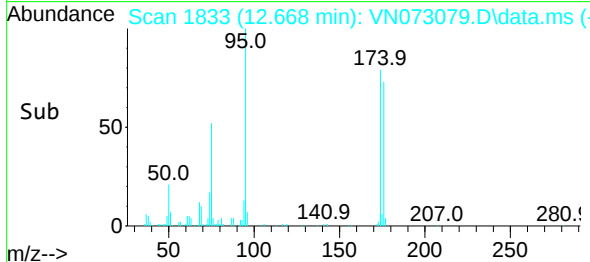
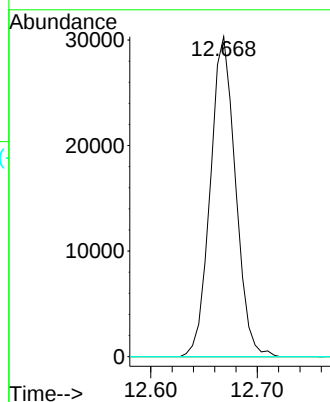
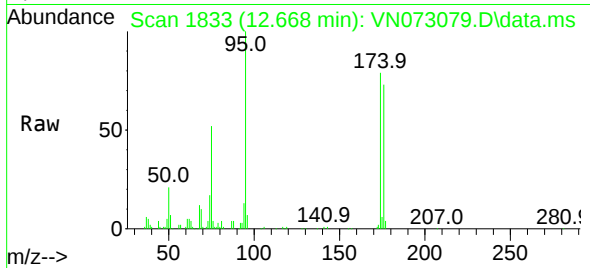




#77
t-1,4-Dichloro-2-butene
Concen: 45.013 ug/l
RT: 12.668 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

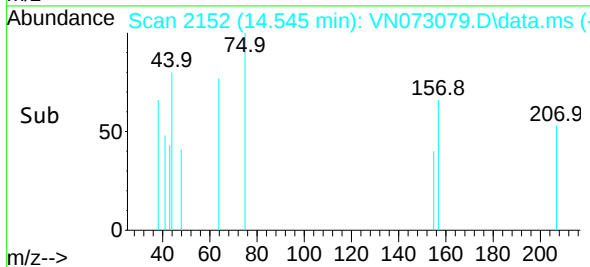
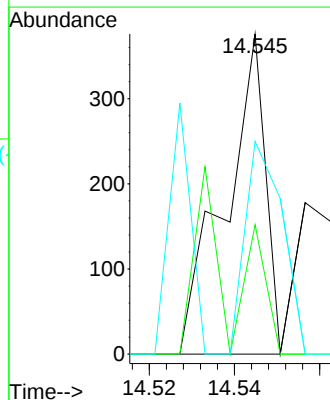
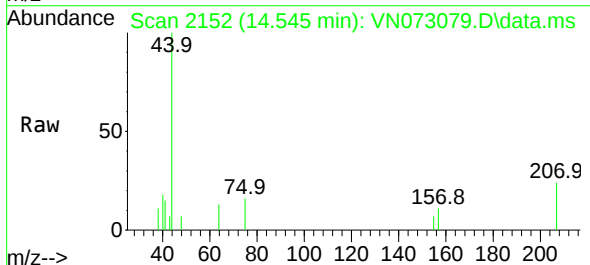
Instrument :
MSVOA_N
ClientSampleId :
220615002-01-TRIP-BLANK

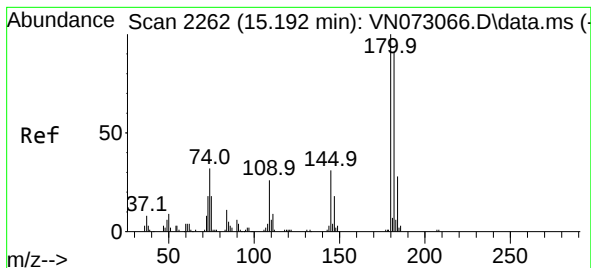
Tgt Ion: 75 Resp: 49811
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.212 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: VN073079.D
Acq: 24 Jun 2022 13:09

Tgt Ion: 75 Resp: 247
Ion Ratio Lower Upper
75 100
155 21.9 63.8 95.8#
157 61.9 77.9 116.9#





#89

1,2,4-Trichlorobenzene

Concen: 0.663 ug/l

RT: 15.198 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN073079.D

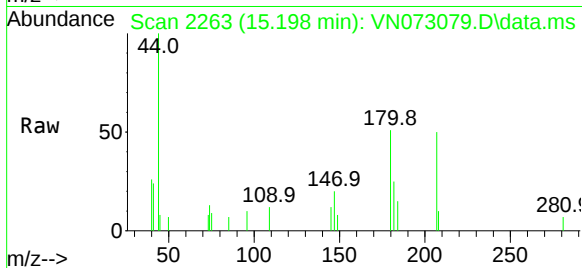
Acq: 24 Jun 2022 13:09

Instrument :

MSVOA_N

ClientSampleId :

220615002-01-TRIP-BLANK



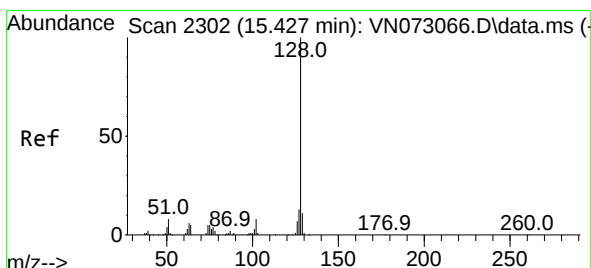
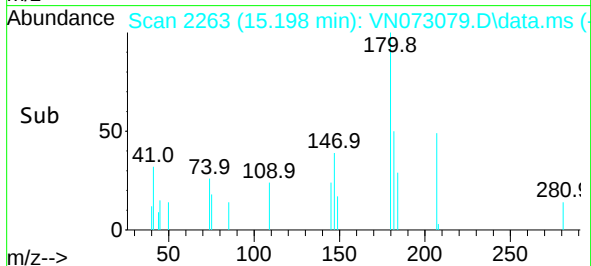
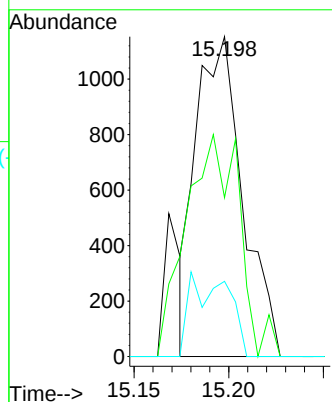
Tgt Ion:180 Resp: 1982

Ion Ratio Lower Upper

180 100

182 57.9 77.7 116.5#

145 12.7 26.6 39.8#



#91

Naphthalene

Concen: 1.218 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073079.D

Acq: 24 Jun 2022 13:09

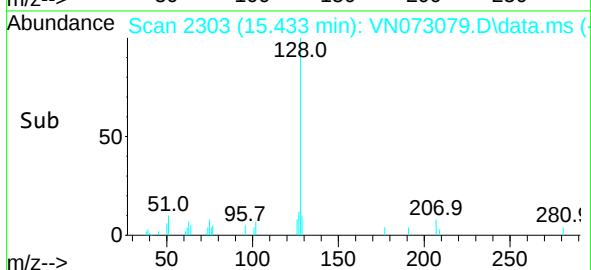
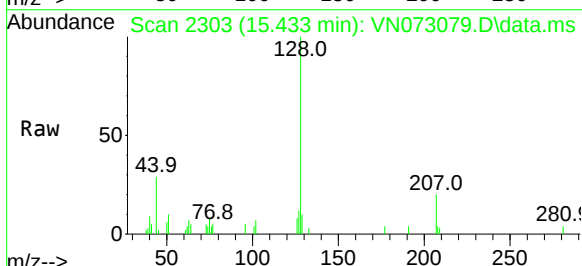
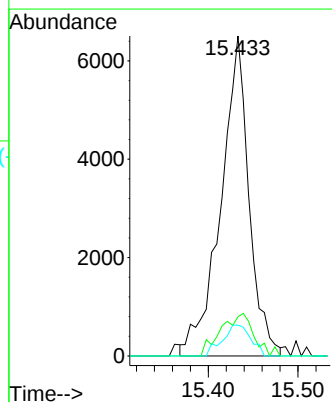
Tgt Ion:128 Resp: 14219

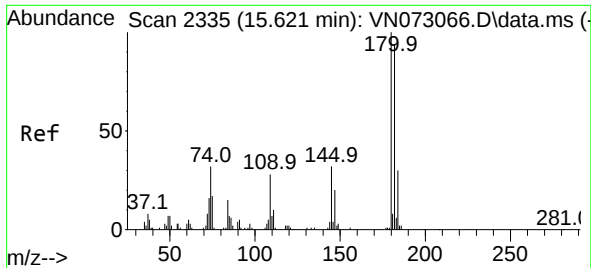
Ion Ratio Lower Upper

128 100

127 8.0 10.7 16.1#

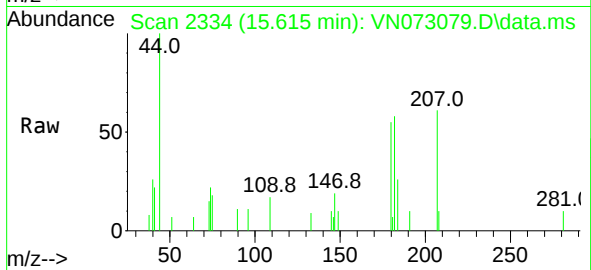
129 8.6 9.0 13.6#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.883 ug/l
 RT: 15.615 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN073079.D
 Acq: 24 Jun 2022 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 220615002-01-TRIP-BLANK



Tgt Ion:	180	Resp:	2686
Ion	Ratio	Lower	Upper
180	100		
182	104.8	0.0	190.0
145	19.5	0.0	67.8

