

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
 Data File : VN071995.D
 Acq On : 14 Apr 2022 14:18
 Operator : JC\MD
 Sample : N2420-02DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-IDWGW-20220413DL

Quant Time: Apr 15 01:37:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

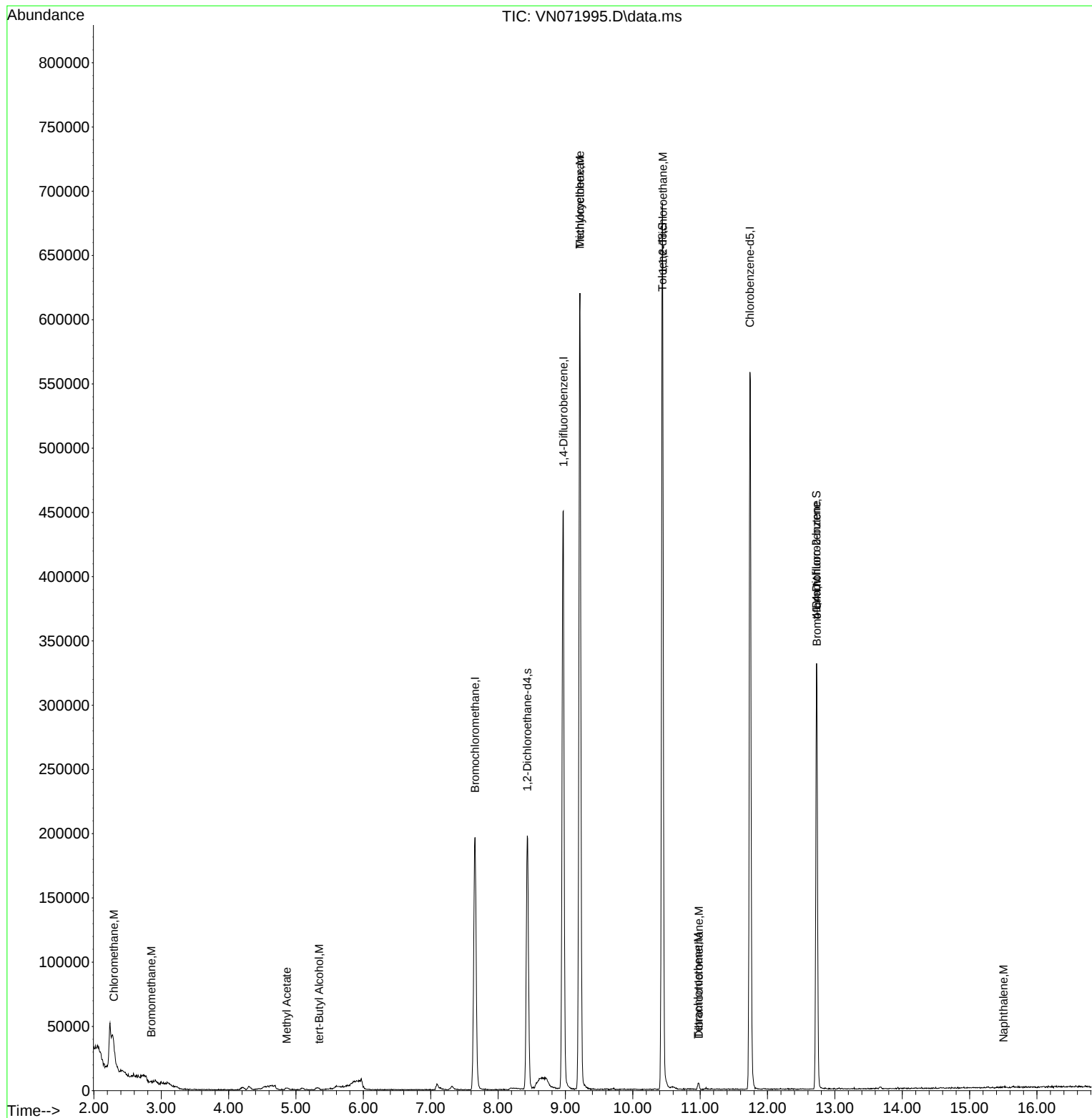
Internal Standards						
1) Bromochloromethane	7.657	128	81707	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.969	114	430106	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	362558	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	165284	28.712	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.700%
60) 4-Bromofluorobenzene	12.727	95	121458	22.593	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	75.300%
63) Toluene-d8	10.439	98	493897	30.009	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.033%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	1648	0.275	ug/l #	67
5) Bromomethane	2.851	94	876	0.216	ug/l	83
12) Methyl Acetate	4.863	43	1641	0.246	ug/l #	83
23) tert-Butyl Alcohol	5.345	59	239	0.222	ug/l #	100
37) Trichloroethene	9.216	130	248310	44.492	ug/l	100
38) Methylcyclohexane	9.216	83	2717	0.310	ug/l #	1
50) 1,1,2-Trichloroethane	10.445	97	18536	3.385	ug/l #	1
53) Dibromochloromethane	10.980	129	1293	0.228	ug/l #	10
56) Bromoform	12.733	173	912	0.209	ug/l #	1
61) Tetrachloroethene	10.969	164	1597	0.362	ug/l #	57
77) t-1,4-Dichloro-2-butene	12.727	75	56418	24.785	ug/l #	8
91) Naphthalene	15.504	128	639	6.917	ug/l #	68

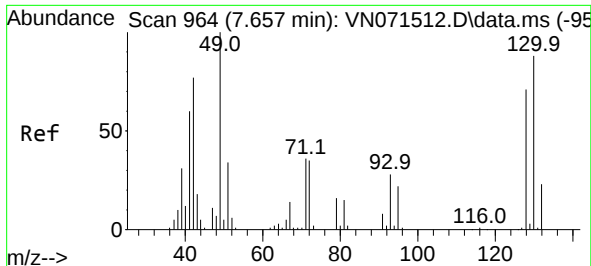
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
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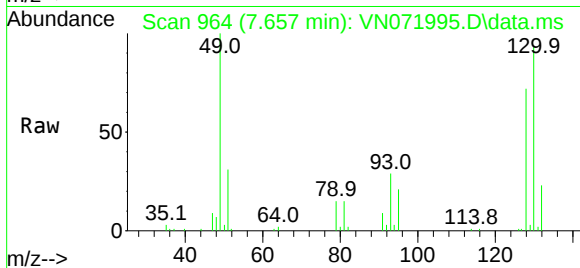
Quant Time: Apr 15 01:37:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 24 12:03:44 2022
Response via : Initial Calibration



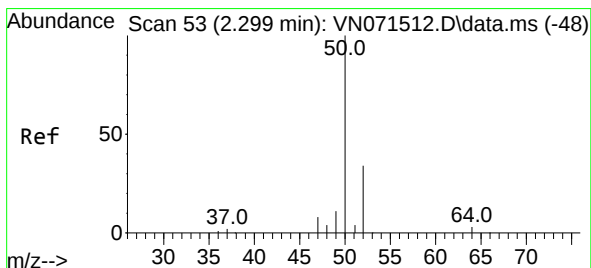
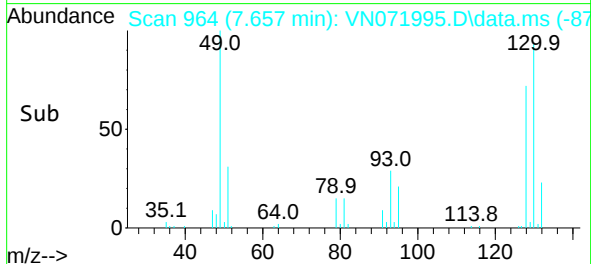
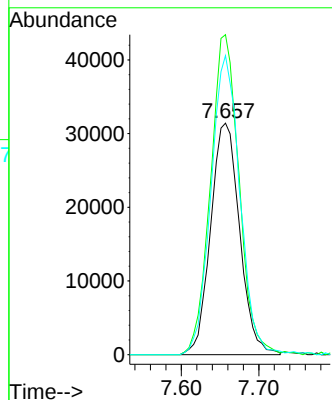


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

Instrument :
MSVOA_N
ClientSampleId :
RW4-IDWGW-20220413DL

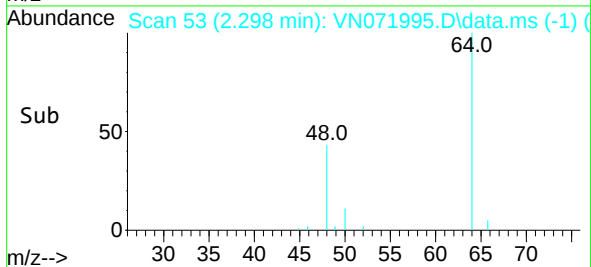
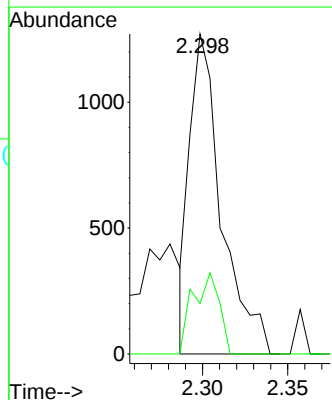
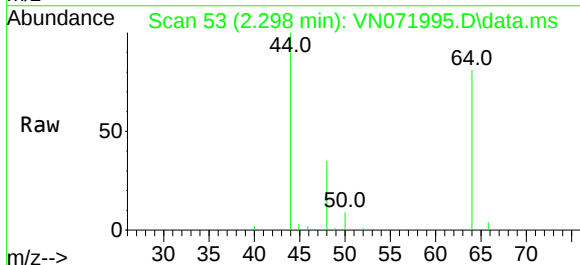


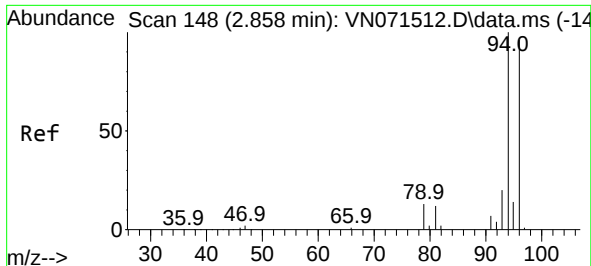
Tgt Ion:128 Resp: 81707
Ion Ratio Lower Upper
128 100
49 136.1 0.0 392.3
130 128.3 0.0 320.2



#3
Chloromethane
Concen: 0.275 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

Tgt Ion: 50 Resp: 1648
Ion Ratio Lower Upper
50 100
52 15.8 27.8 41.6#

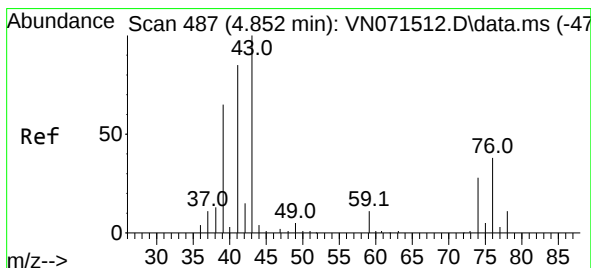
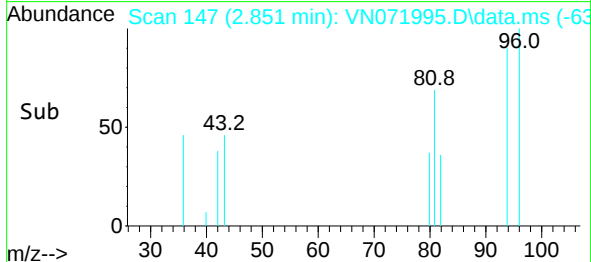
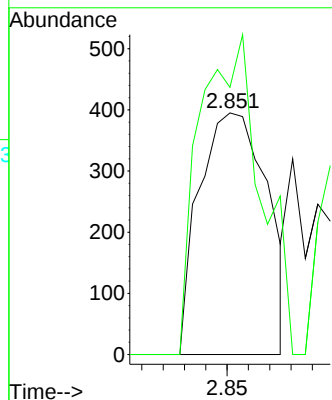
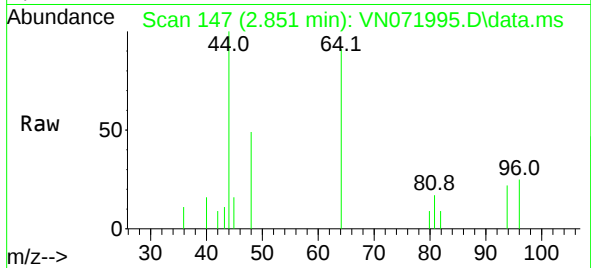




#5
Bromomethane
Concen: 0.216 ug/l
RT: 2.851 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

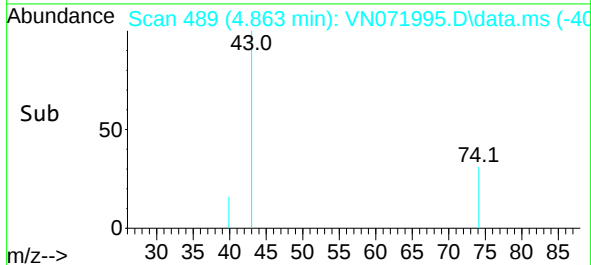
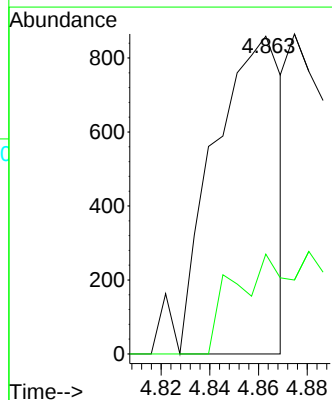
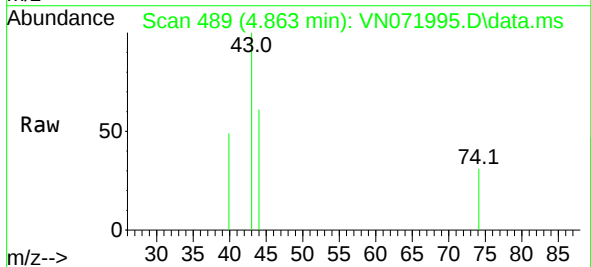
Instrument :
MSVOA_N
ClientSampleId :
RW4-IDWGW-20220413DL

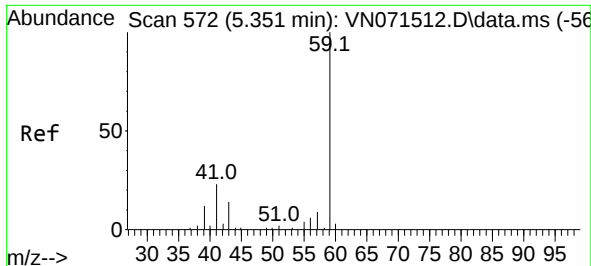
Tgt Ion: 94 Resp: 876
Ion Ratio Lower Upper
94 100
96 110.6 75.2 112.8



#12
Methyl Acetate
Concen: 0.246 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.011 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

Tgt Ion: 43 Resp: 1641
Ion Ratio Lower Upper
43 100
74 34.6 20.8 31.2#

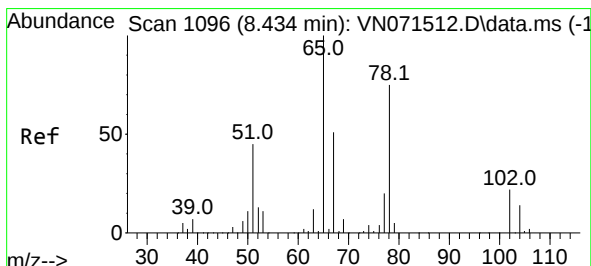
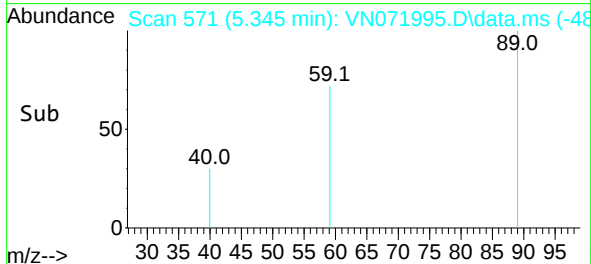
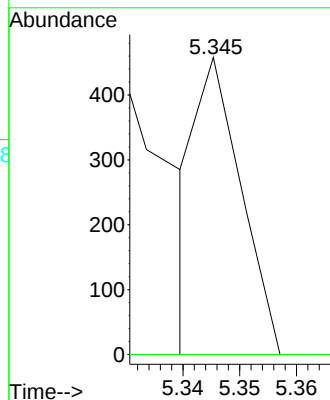
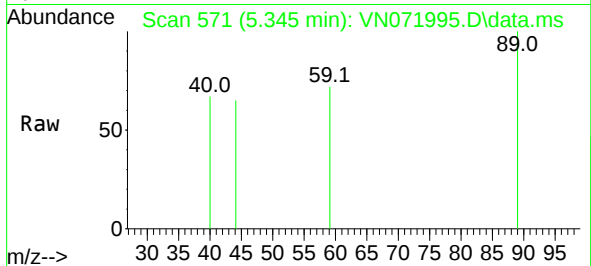




#23
tert-Butyl Alcohol
Concen: 0.222 ug/l
RT: 5.345 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

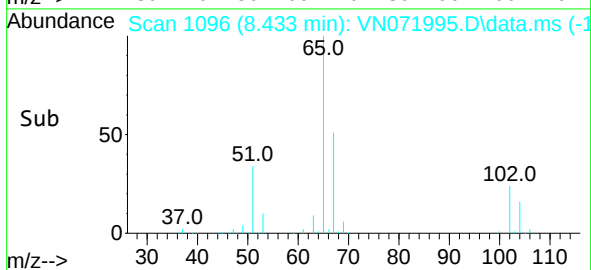
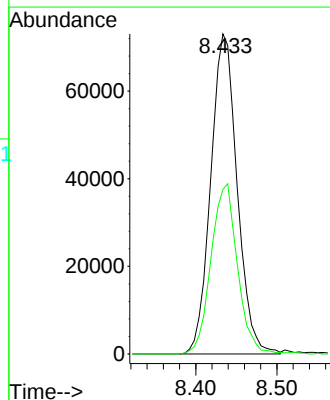
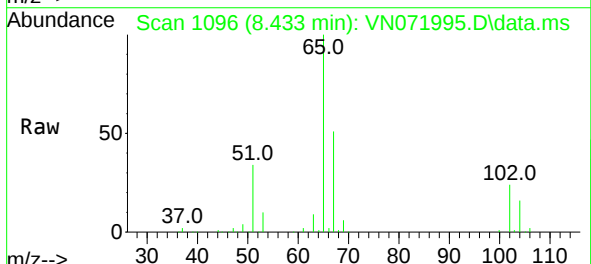
Instrument :
MSVOA_N
ClientSampleId :
RW4-IDWGW-20220413DL

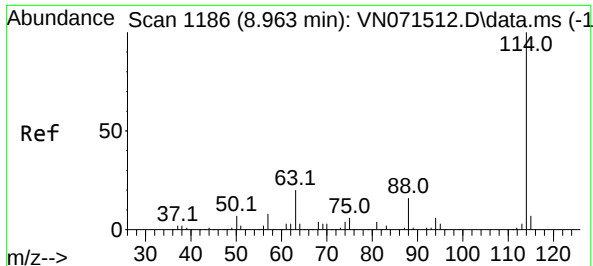
Tgt Ion: 59 Resp: 239
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 28.712 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

Tgt Ion: 65 Resp: 165284
Ion Ratio Lower Upper
65 100
67 53.1 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.969 min Scan# 1187

Delta R.T. 0.006 min

Lab File: VN071995.D

Acq: 14 Apr 2022 14:18

Instrument :

MSVOA_N

ClientSampleId :

RW4-IDWGW-20220413DL

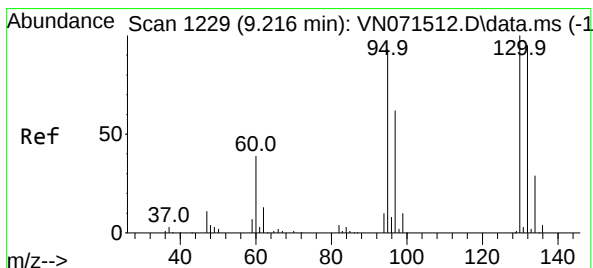
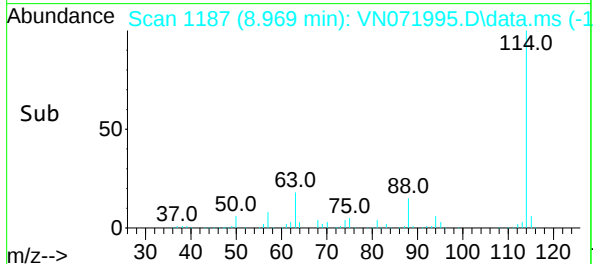
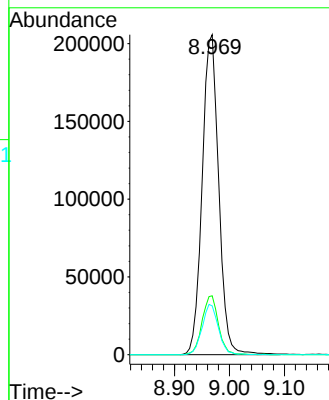
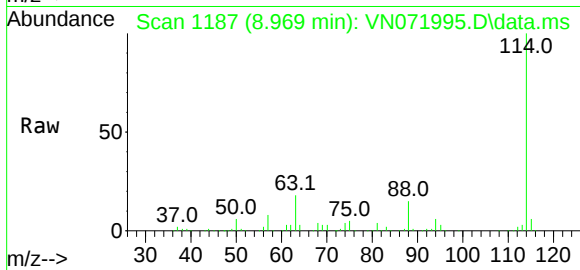
Tgt Ion:114 Resp: 430106

Ion Ratio Lower Upper

114 100

63 18.0 15.8 23.6

88 15.4 11.6 17.4



#37

Trichloroethene

Concen: 44.492 ug/l

RT: 9.216 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VN071995.D

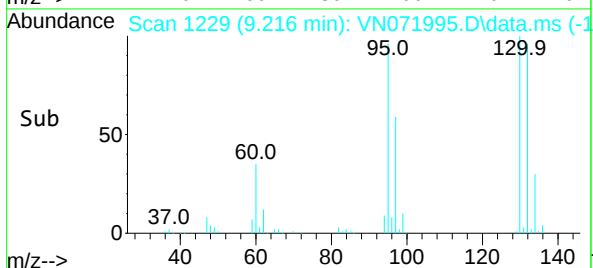
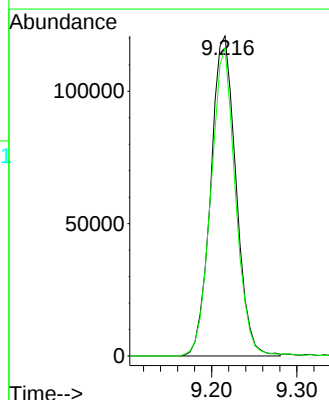
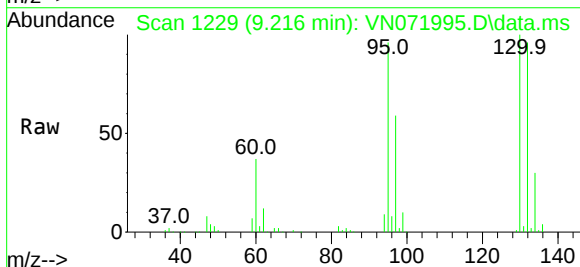
Acq: 14 Apr 2022 14:18

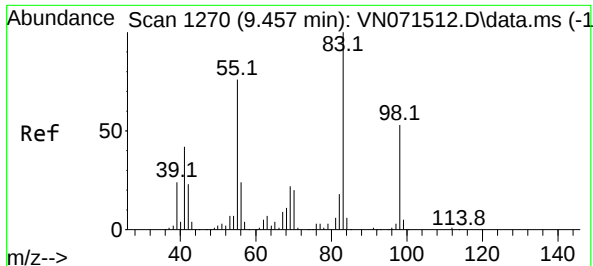
Tgt Ion:130 Resp: 248310

Ion Ratio Lower Upper

130 100

95 96.1 76.6 115.0





#38

Methylcyclohexane

Concen: 0.310 ug/l

RT: 9.216 min Scan# 11

Delta R.T. -0.241 min

Lab File: VN071995.D

Acq: 14 Apr 2022 14:18

Instrument :

MSVOA_N

ClientSampleId :

RW4-IDWGW-20220413DL

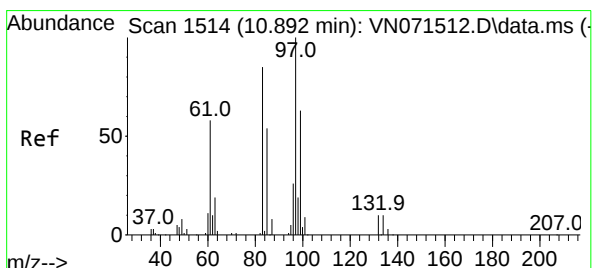
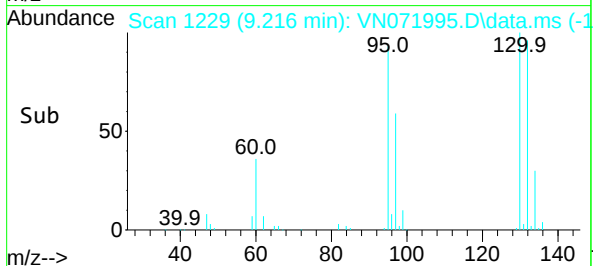
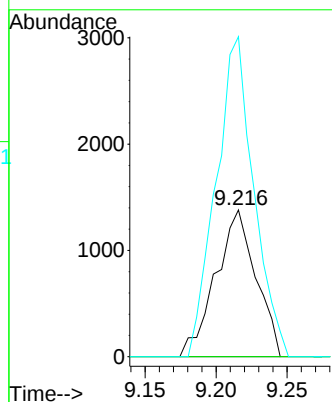
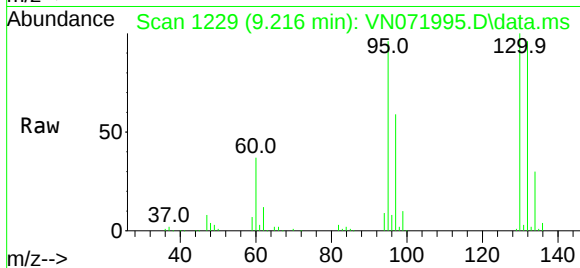
Tgt Ion: 83 Resp: 2717

Ion Ratio Lower Upper

83 100

55 0.0 35.1 105.3#

98 205.2 23.4 70.2#



#50

1,1,2-Trichloroethane

Concen: 3.385 ug/l

RT: 10.445 min Scan# 1438

Delta R.T. -0.447 min

Lab File: VN071995.D

Acq: 14 Apr 2022 14:18

Tgt Ion: 97 Resp: 18536

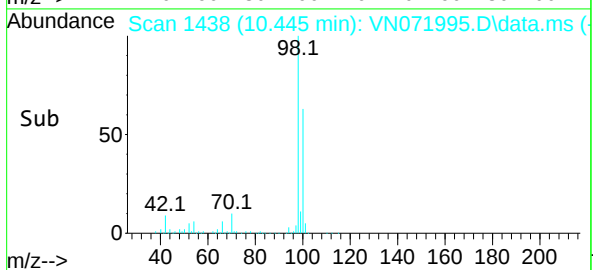
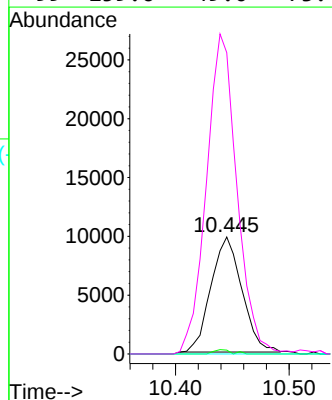
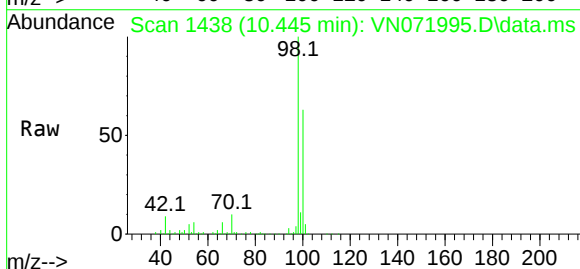
Ion Ratio Lower Upper

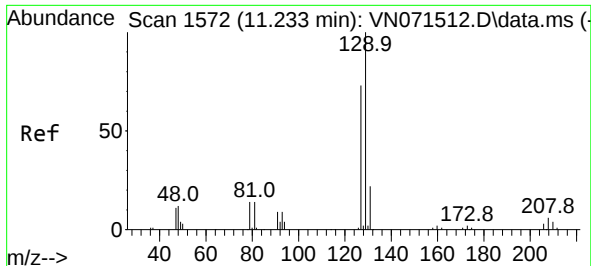
97 100

83 3.4 67.2 100.8#

85 0.0 43.0 64.4#

99 259.6 49.0 73.4#

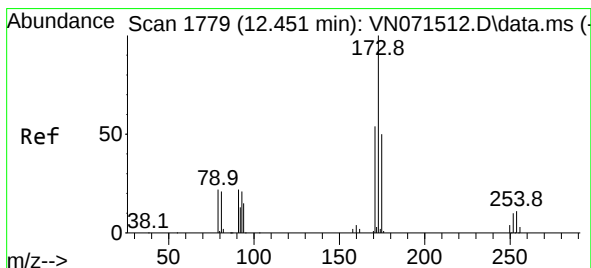
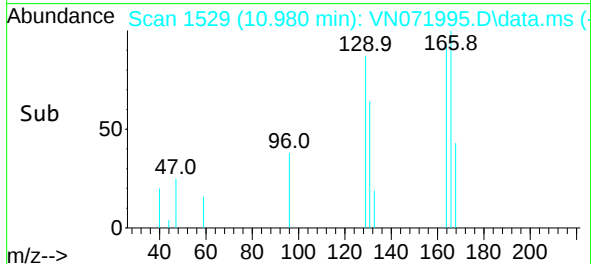
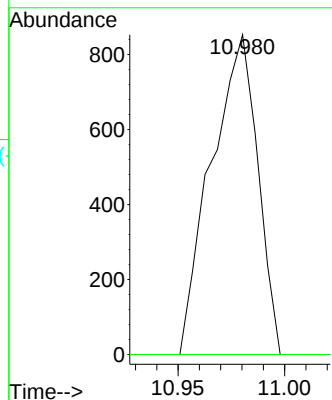
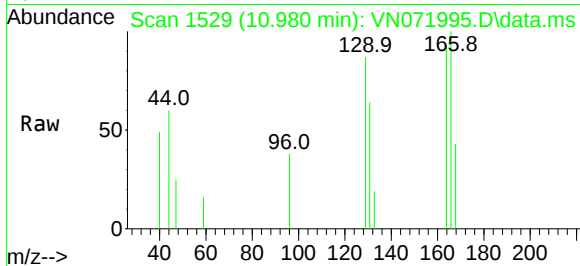




#53
Dibromochloromethane
Concen: 0.228 ug/l
RT: 10.980 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

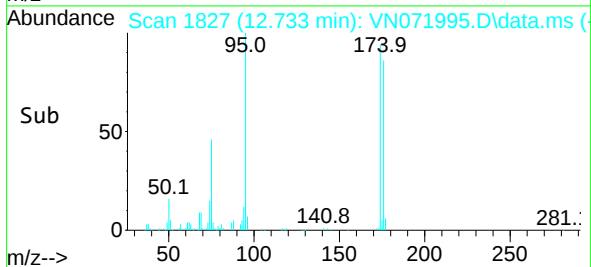
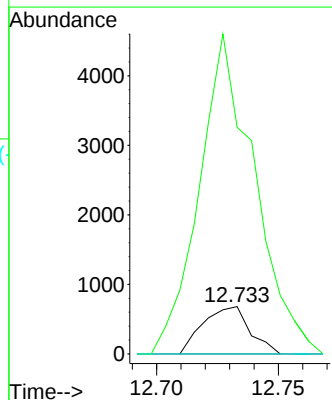
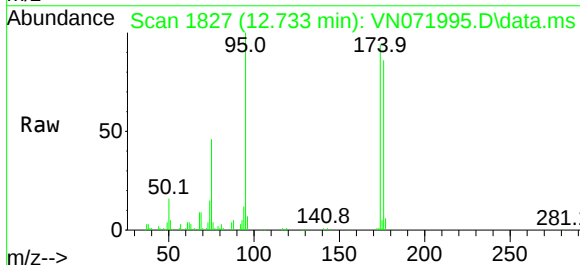
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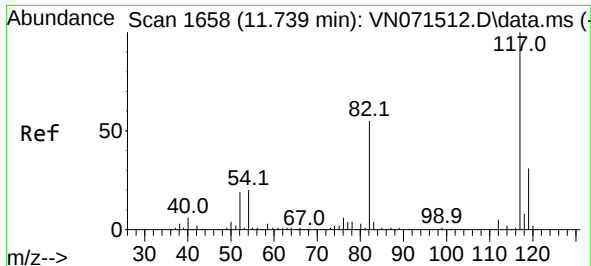
Tgt Ion:129 Resp: 1293
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#56
Bromoform
Concen: 0.209 ug/l
RT: 12.733 min Scan# 1827
Delta R.T. 0.282 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

Tgt Ion:173 Resp: 912
Ion Ratio Lower Upper
173 100
175 796.6 38.6 58.0#
254 0.0 0.0 0.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN071995.D

Acq: 14 Apr 2022 14:18

Instrument :

MSVOA_N

ClientSampleId :

RW4-IDWGW-20220413DL

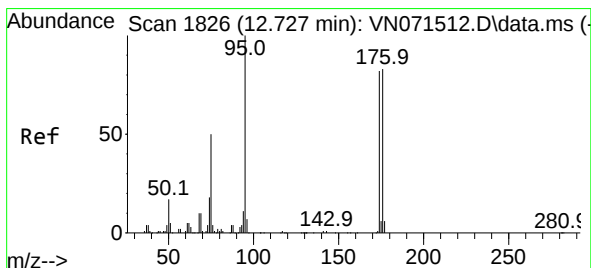
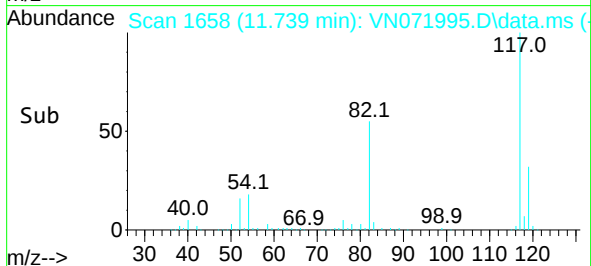
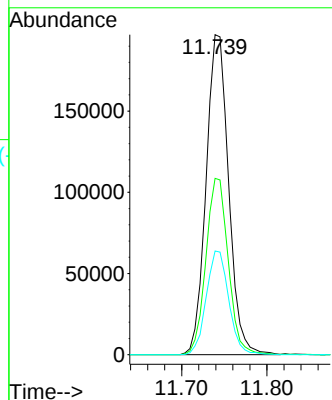
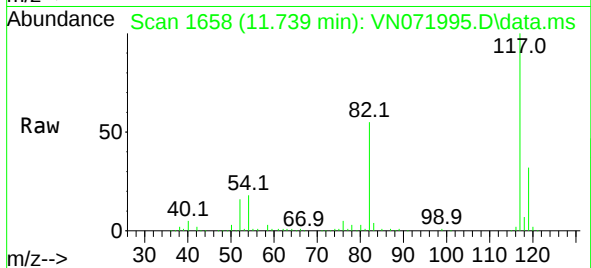
Tgt Ion:117 Resp: 362558

Ion Ratio Lower Upper

117 100

82 54.6 43.6 65.4

119 32.3 25.8 38.6



#60

4-Bromofluorobenzene

Concen: 22.593 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN071995.D

Acq: 14 Apr 2022 14:18

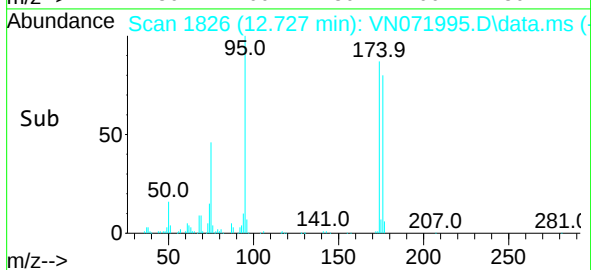
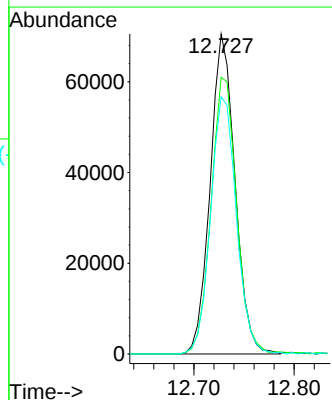
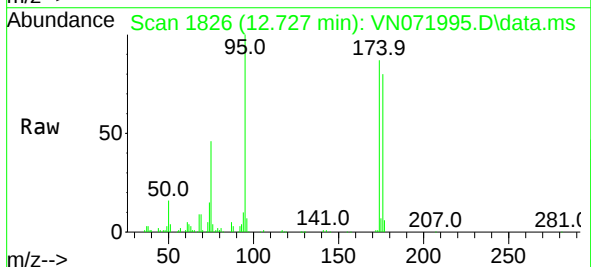
Tgt Ion: 95 Resp: 121458

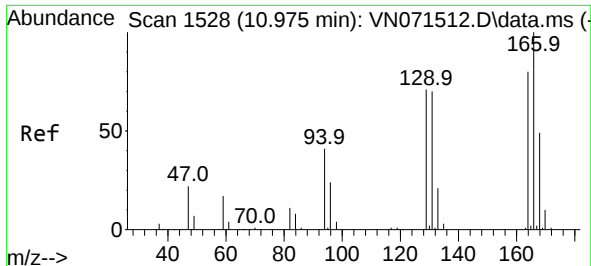
Ion Ratio Lower Upper

95 100

174 88.7 62.9 94.3

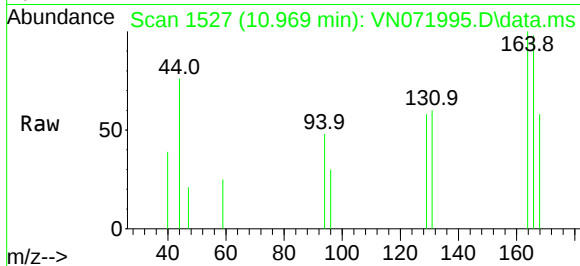
176 83.4 61.0 91.4



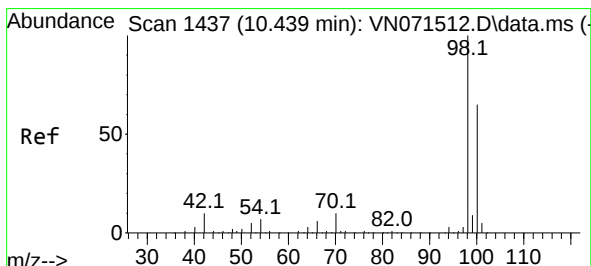
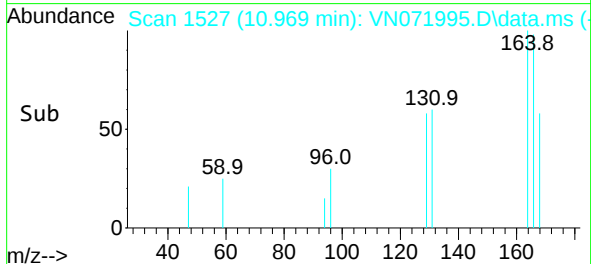
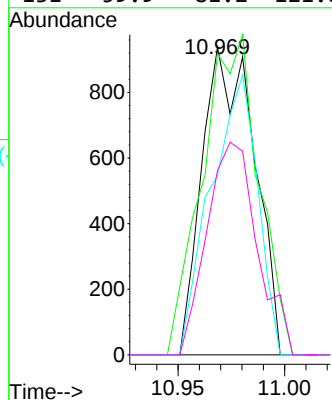


#61
Tetrachloroethene
Concen: 0.362 ug/l
RT: 10.969 min Scan# 1527
Delta R.T. -0.006 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

Instrument :
MSVOA_N
ClientSampleId :
RW4-IDWGW-20220413DL

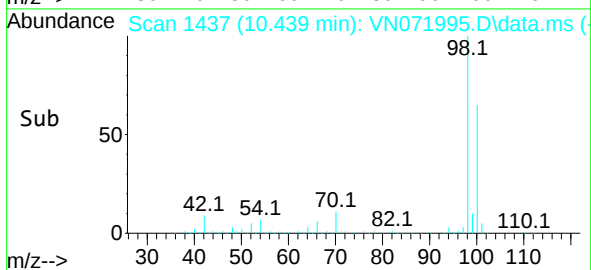
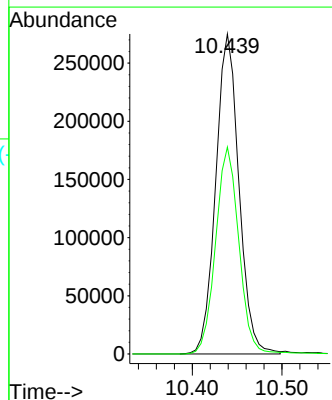
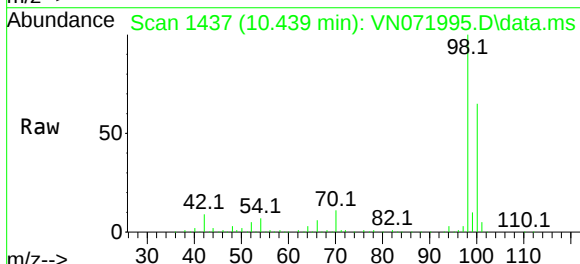


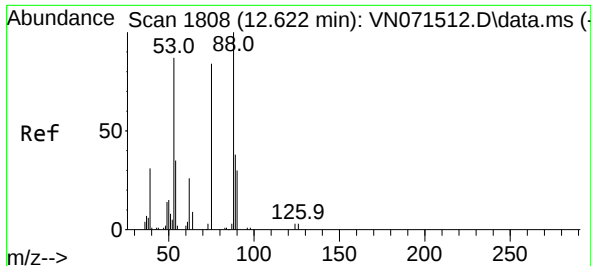
Tgt Ion:164 Resp: 1597
Ion Ratio Lower Upper
164 100
166 79.9 105.8 158.8#
129 58.3 82.5 123.7#
131 59.9 81.2 121.8#



#63
Toluene-d8
Concen: 30.009 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

Tgt Ion: 98 Resp: 493897
Ion Ratio Lower Upper
98 100
100 64.9 50.6 76.0

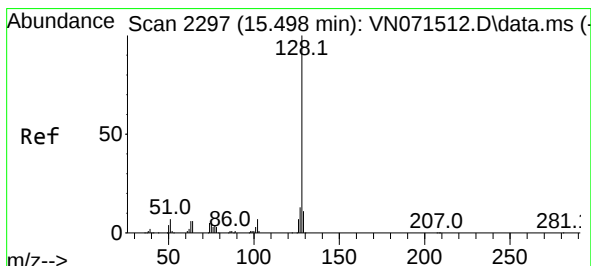
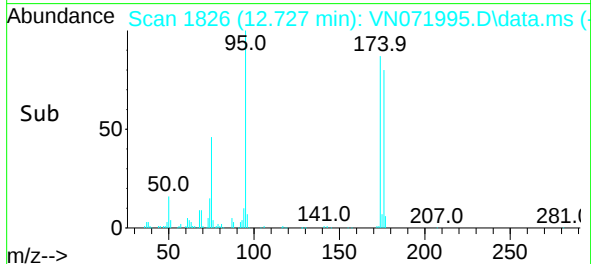
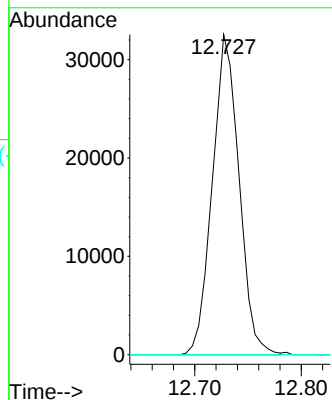
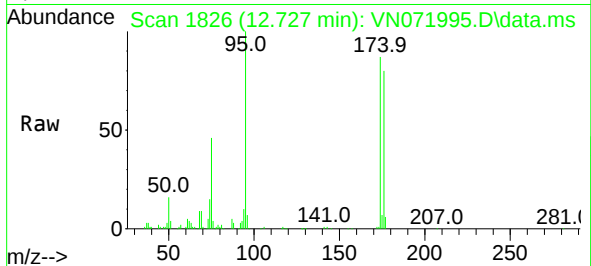




#77
t-1,4-Dichloro-2-butene
Concen: 24.785 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

Instrument :
MSVOA_N
ClientSampleId :
RW4-IDWGW-20220413DL

Tgt Ion: 75 Resp: 56418
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 6.917 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071995.D
Acq: 14 Apr 2022 14:18

Tgt Ion: 128 Resp: 639
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.6#

