

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082422\
 Data File : VN074104.D
 Acq On : 24 Aug 2022 20:23
 Operator : JC\MD
 Sample : N4280-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D2-20220818

Quant Time: Aug 25 07:56:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

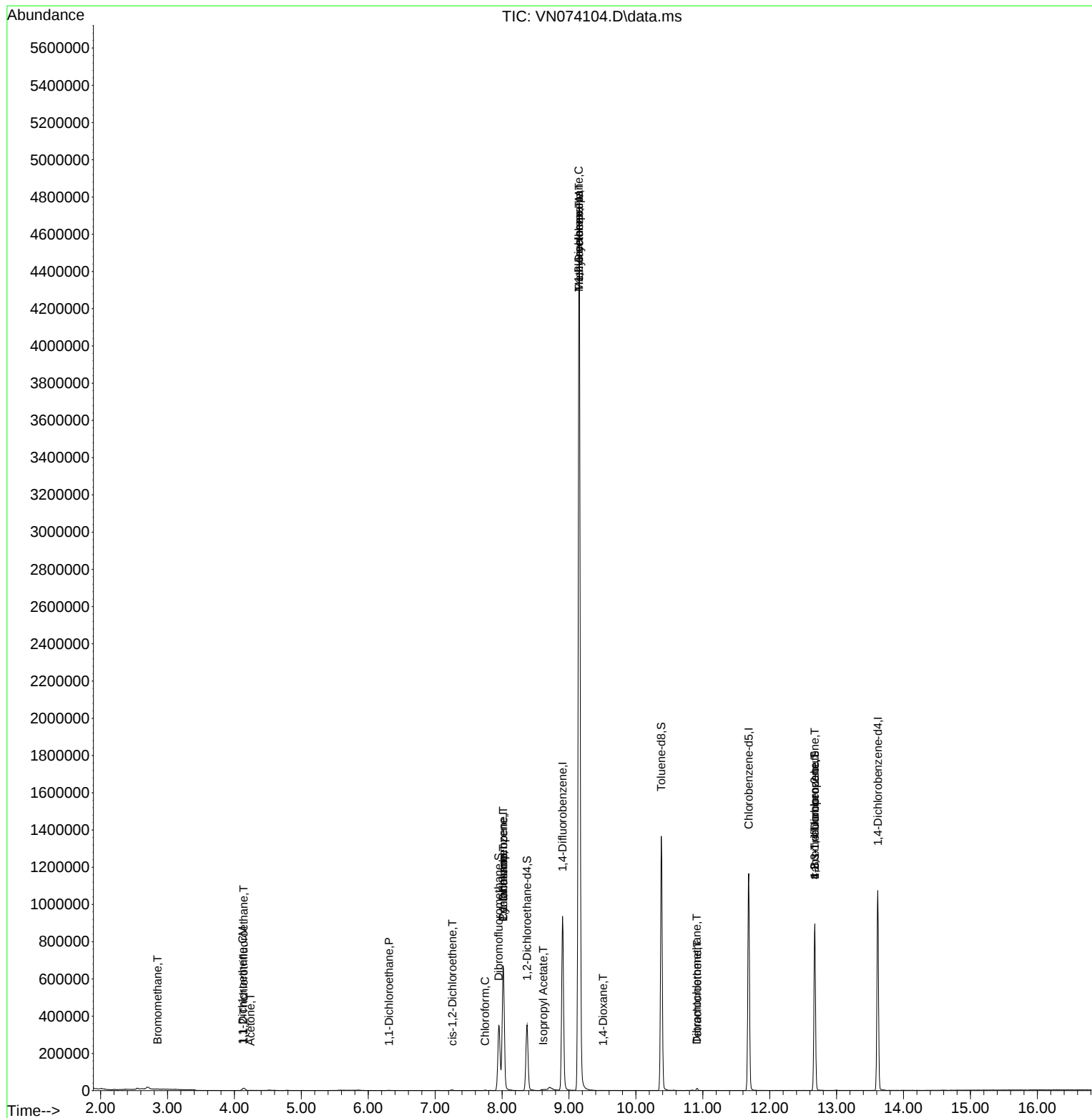
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	564930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	857167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	722992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	310504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	293770	53.389	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.780%
35) Dibromofluoromethane	7.951	113	259602	51.212	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.420%
50) Toluene-d8	10.380	98	960640	48.931	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.674	95	297137	45.603	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.200%
Target Compounds						Qvalue
5) Bromomethane	2.851	94	969	0.243	ug/l	# 48
9) 1,1,2-Trichlorotrifluo...	4.140	101	9190	1.918	ug/l	# 97
12) 1,1-Dichloroethene	4.122	96	1458	0.327	ug/l	# 84
16) Acetone	4.240	43	2383	0.918	ug/l	# 70
18) Methyl Acetate	4.787	43	3296	Below Cal	#	79
24) 1,1-Dichloroethane	6.310	63	2411	0.277	ug/l	# 82
27) cis-1,2-Dichloroethene	7.257	96	2435	0.402	ug/l	# 80
30) Chloroform	7.745	83	2997	0.308	ug/l	# 84
31) Cyclohexane	8.016	56	9347	1.219	ug/l	# 1
36) 1,1-Dichloropropene	8.016	75	37637	5.345	ug/l	# 48
39) Methylcyclohexane	9.151	83	20472	2.320	ug/l	# 1
43) Isopropyl Acetate	8.616	43	4725	0.389	ug/l	# 53
44) Trichloroethene	9.151	130	1863870	290.392	ug/l	# 100
45) 1,2-Dichloropropane	9.145	63	4036	0.758	ug/l	# 1
49) 1,4-Dioxane	9.510	88	155	1.002	ug/l	# 1
60) Dibromochloromethane	10.910	129	2744	0.419	ug/l	# 11
64) Tetrachloroethene	10.916	164	2874	0.504	ug/l	# 98
76) 1,2,3-Trichloropropane	12.674	75	146377	22.681	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.674	75	146377	64.508	ug/l	# 10

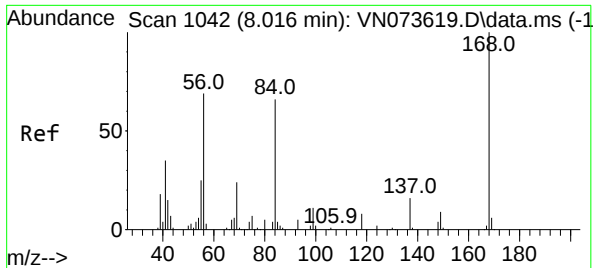
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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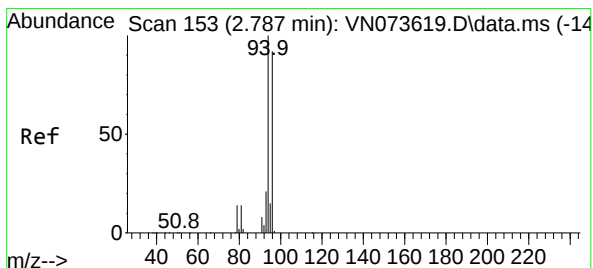
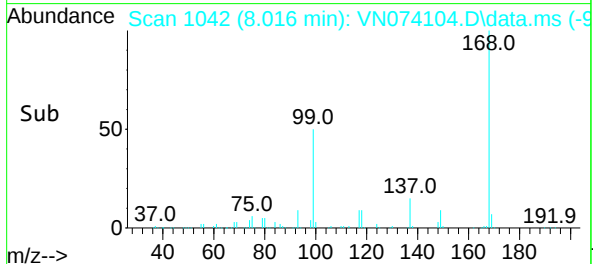
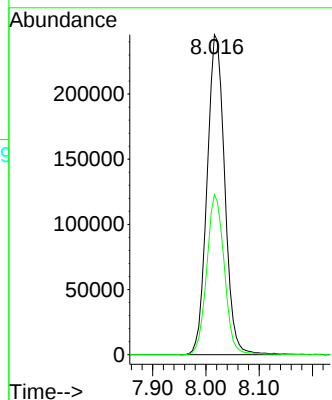
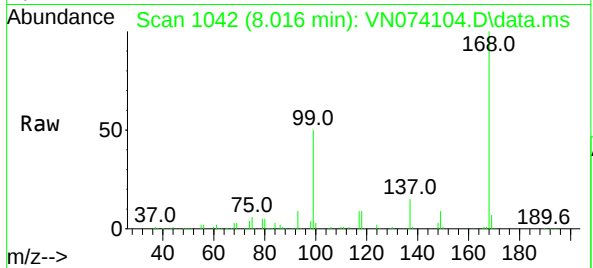




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

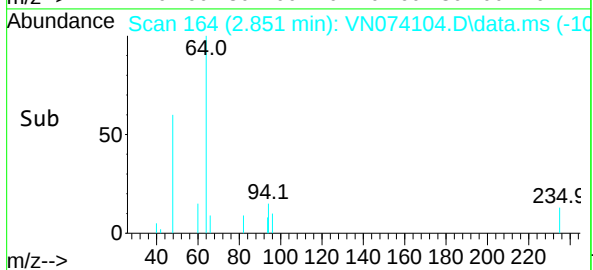
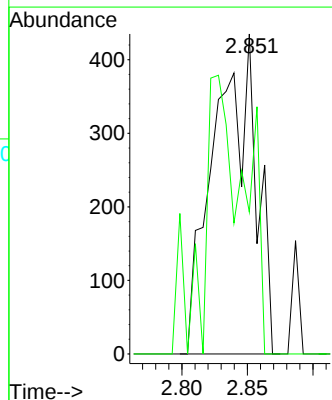
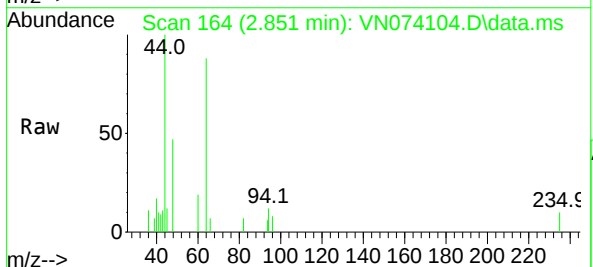
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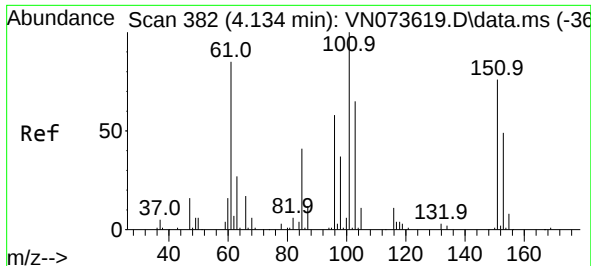
Tgt Ion:168 Resp: 564930
Ion Ratio Lower Upper
168 100
99 50.1 42.3 63.5



#5
Bromomethane
Concen: 0.243 ug/l
RT: 2.851 min Scan# 164
Delta R.T. 0.064 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

Tgt Ion: 94 Resp: 969
Ion Ratio Lower Upper
94 100
96 44.4 76.0 114.0#

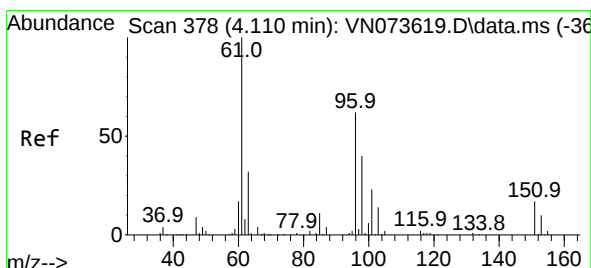
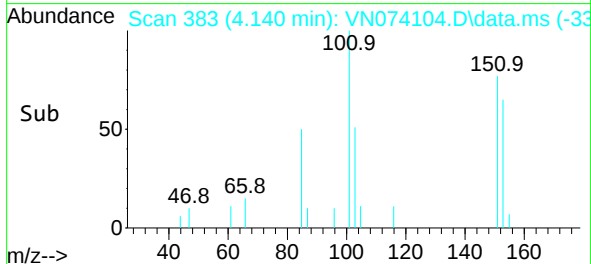
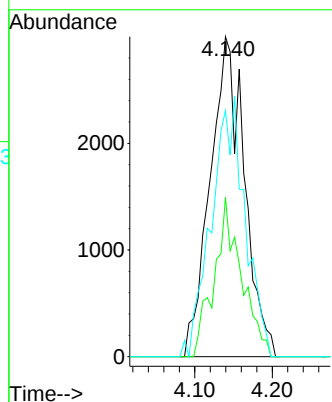
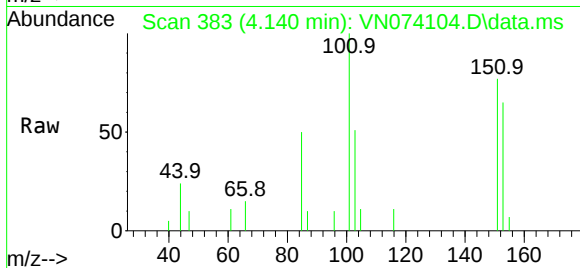




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.918 ug/l
RT: 4.140 min Scan# 382
Delta R.T. 0.006 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

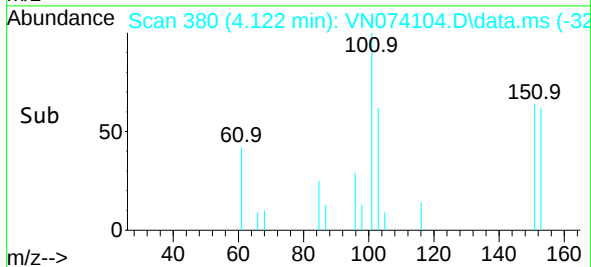
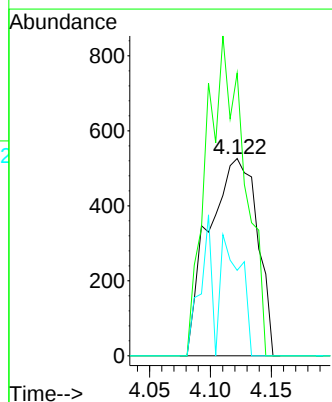
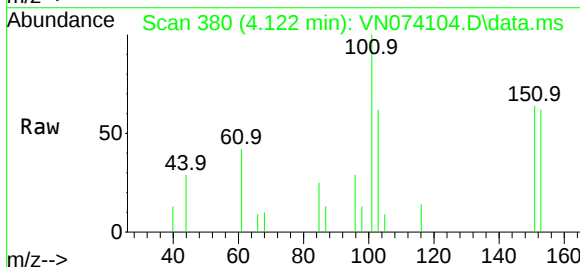
Instrument :
MSVOA_N
ClientSampleId :
RE103D2-20220818

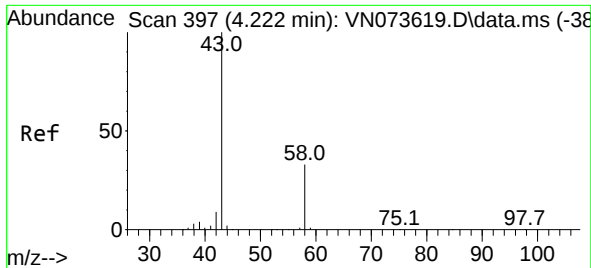
Tgt Ion:101 Resp: 9190
Ion Ratio Lower Upper
101 100
85 39.7 34.7 52.1
151 79.9 63.0 94.4



#12
1,1-Dichloroethene
Concen: 0.327 ug/l
RT: 4.122 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

Tgt Ion: 96 Resp: 1458
Ion Ratio Lower Upper
96 100
61 143.3 127.6 191.4
98 43.3 51.2 76.8#





#16

Acetone

Concen: 0.918 ug/l

RT: 4.240 min Scan# 40

Delta R.T. 0.018 min

Lab File: VN074104.D

Acq: 24 Aug 2022 20:23

Instrument :

MSVOA_N

ClientSampleId :

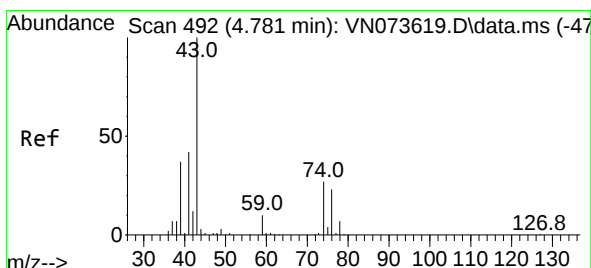
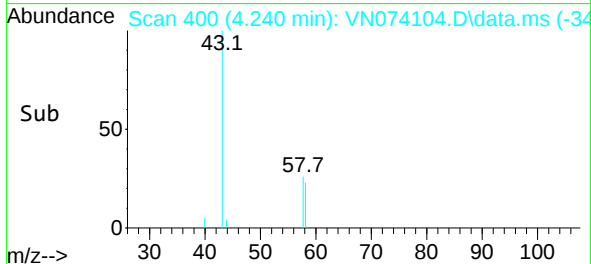
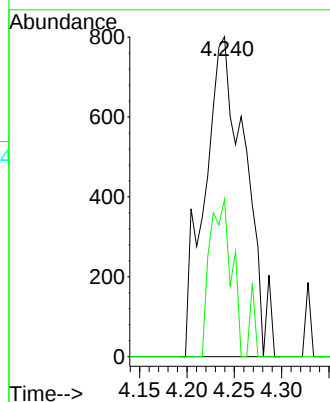
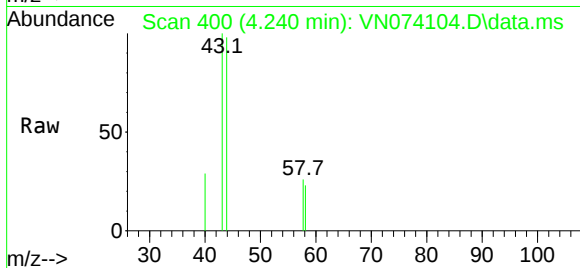
RE103D2-20220818

Tgt Ion: 43 Resp: 2383

Ion Ratio Lower Upper

43 100

58 49.2 26.0 39.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.787 min Scan# 493

Delta R.T. 0.006 min

Lab File: VN074104.D

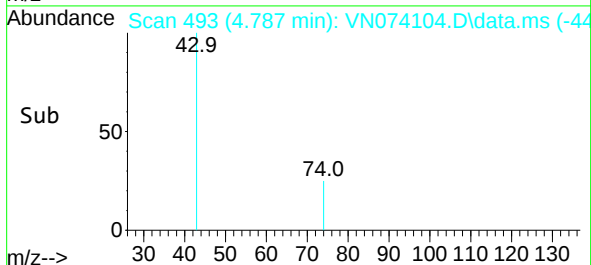
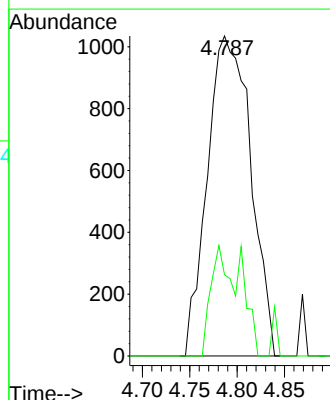
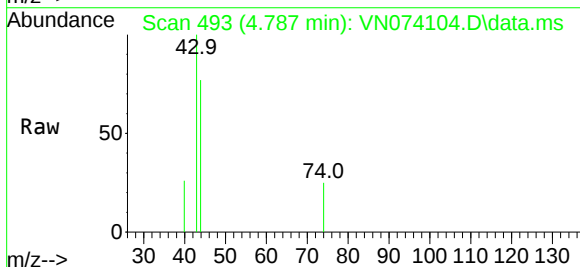
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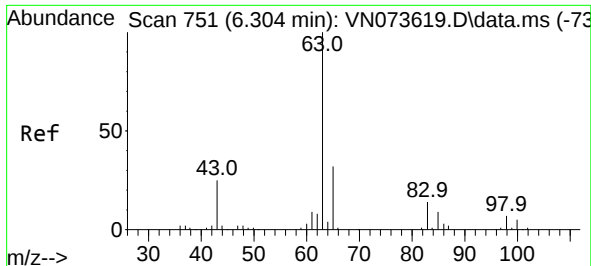
Tgt Ion: 43 Resp: 3296

Ion Ratio Lower Upper

43 100

74 16.0 21.6 32.4#

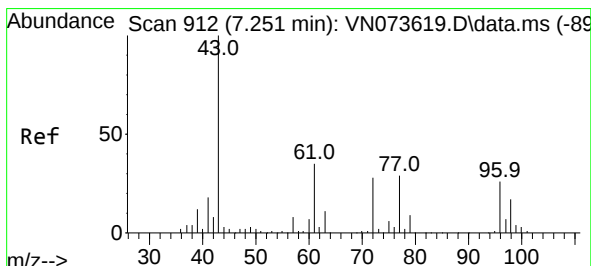
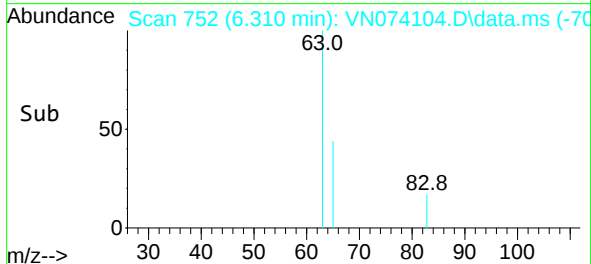
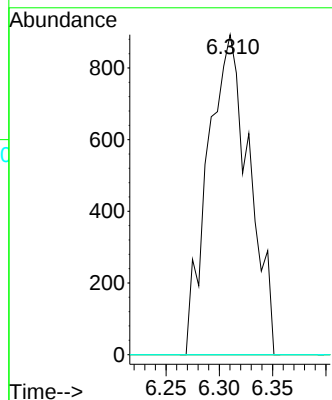
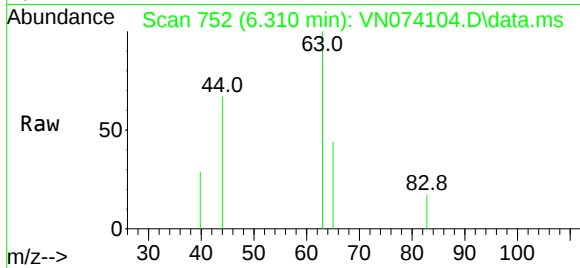




#24
1,1-Dichloroethane
Concen: 0.277 ug/l
RT: 6.310 min Scan# 751
Delta R.T. 0.006 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

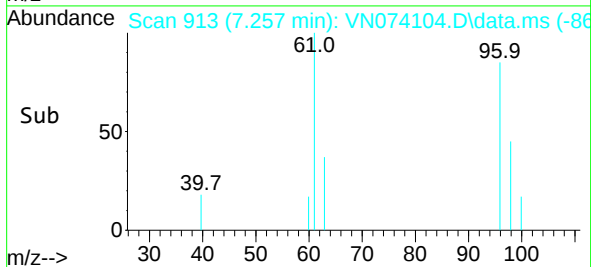
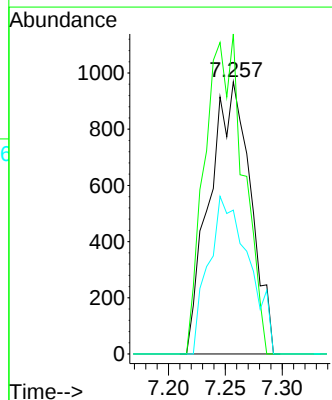
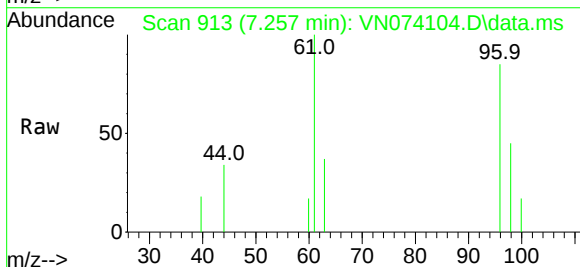
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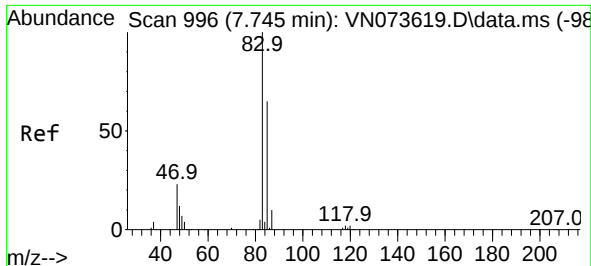
Tgt Ion: 63 Resp: 2411
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



#27
cis-1,2-Dichloroethene
Concen: 0.402 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

Tgt Ion: 96 Resp: 2435
Ion Ratio Lower Upper
96 100
61 110.7 0.0 280.6
98 56.6 0.0 128.4

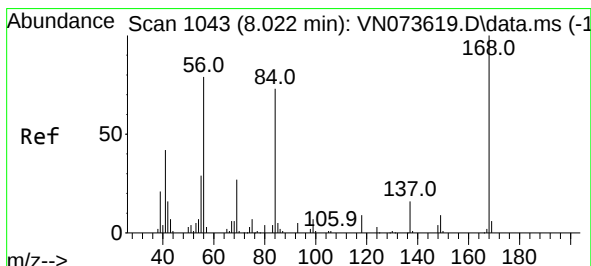
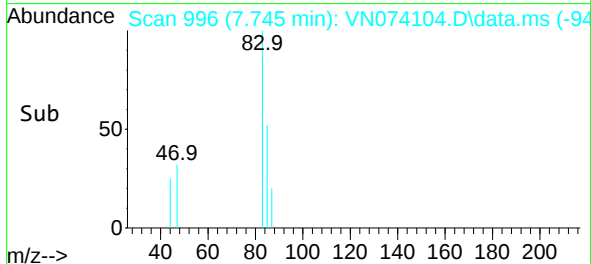
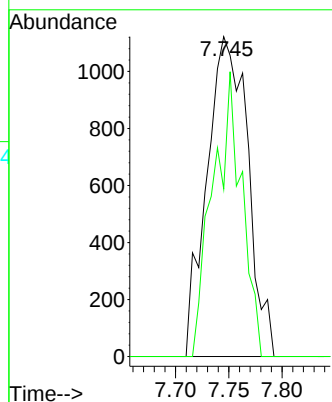
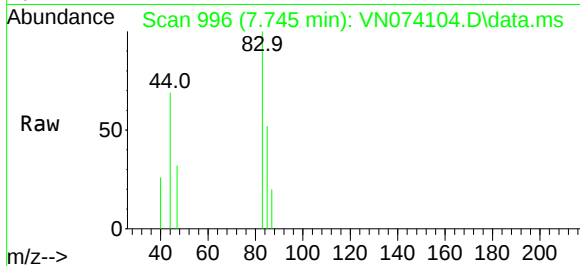




#30
Chloroform
Concen: 0.308 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

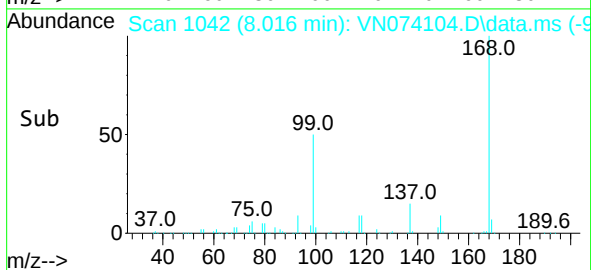
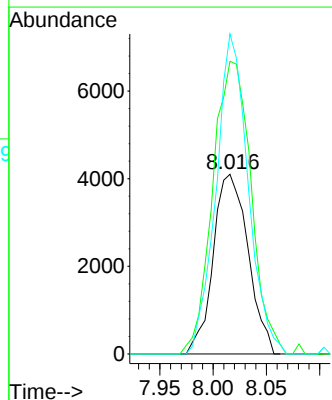
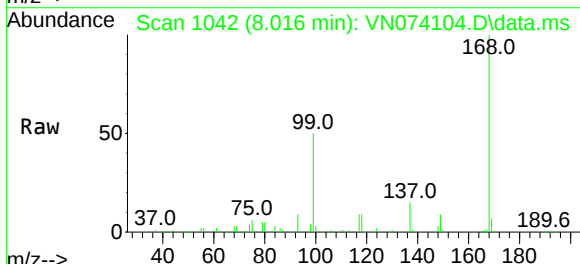
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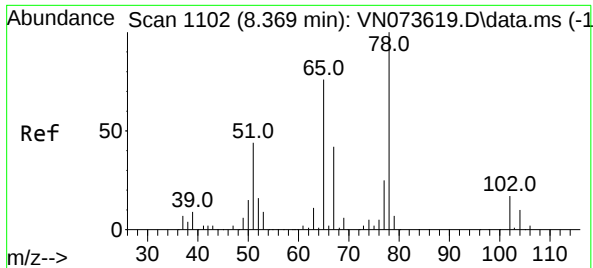
Tgt Ion: 83 Resp: 2997
Ion Ratio Lower Upper
83 100
85 52.4 51.8 77.8



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

Tgt Ion: 56 Resp: 9347
Ion Ratio Lower Upper
56 100
69 162.9 27.8 41.8#
84 178.1 76.9 115.3#

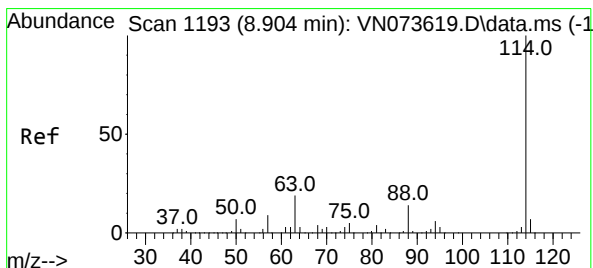
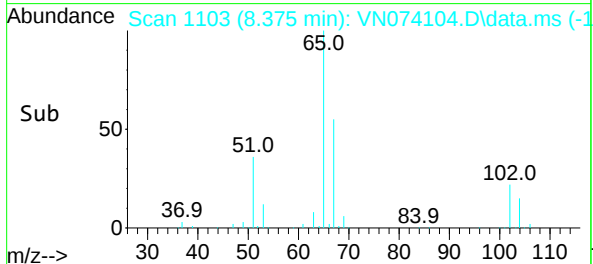
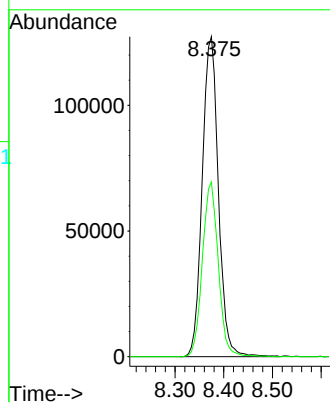
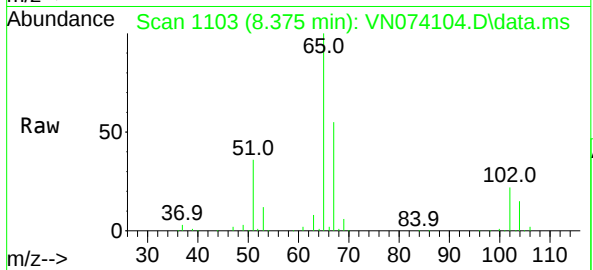




#33
1,2-Dichloroethane-d4
Concen: 53.389 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

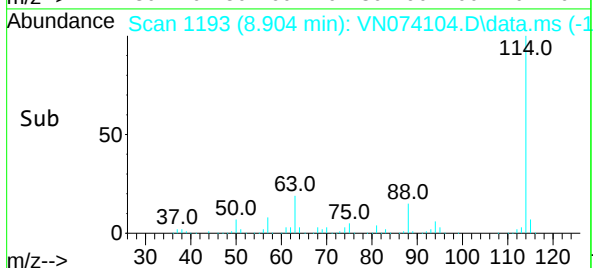
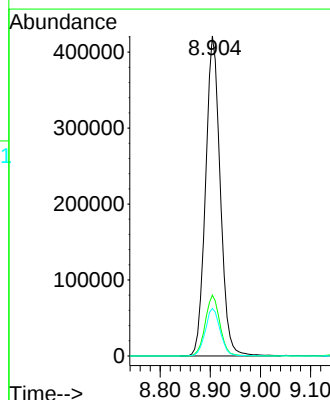
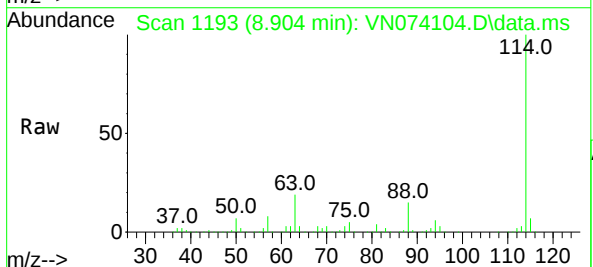
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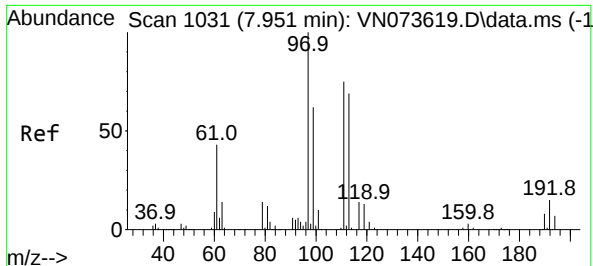
Tgt Ion: 65 Resp: 293770
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

Tgt Ion: 114 Resp: 857167
Ion Ratio Lower Upper
114 100
63 19.0 0.0 40.0
88 14.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.212 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074104.D

Acq: 24 Aug 2022 20:23

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20220818

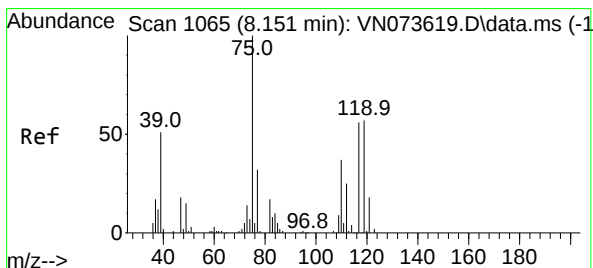
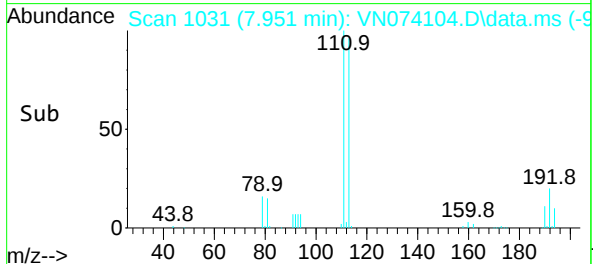
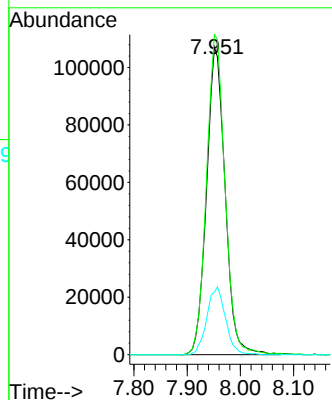
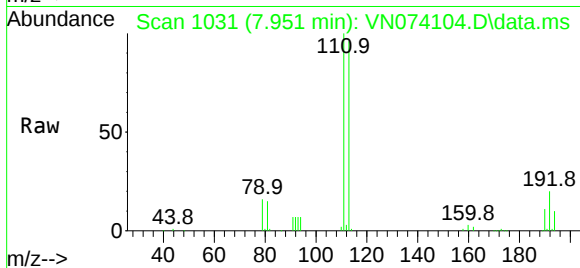
Tgt Ion:113 Resp: 259602

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 22.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.345 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074104.D

Acq: 24 Aug 2022 20:23

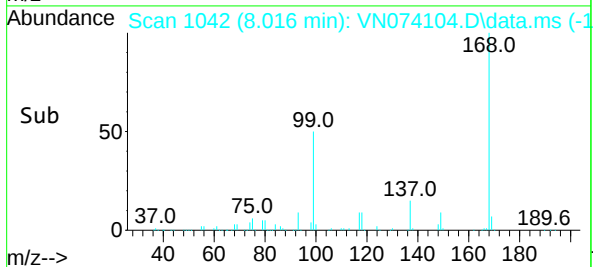
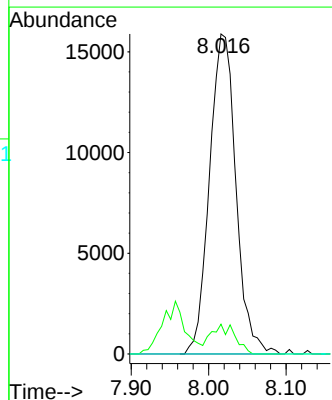
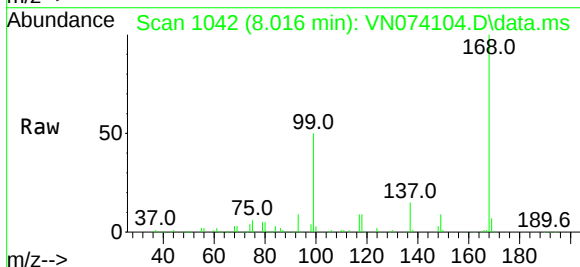
Tgt Ion: 75 Resp: 37637

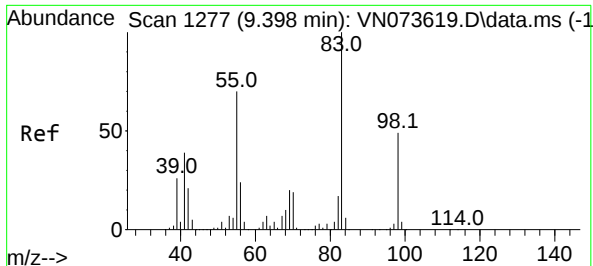
Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#





#39

Methylcyclohexane

Concen: 2.320 ug/l

RT: 9.151 min Scan# 1144

Delta R.T. -0.247 min

Lab File: VN074104.D

Acq: 24 Aug 2022 20:23

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20220818

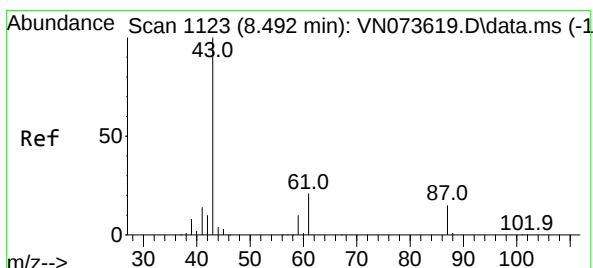
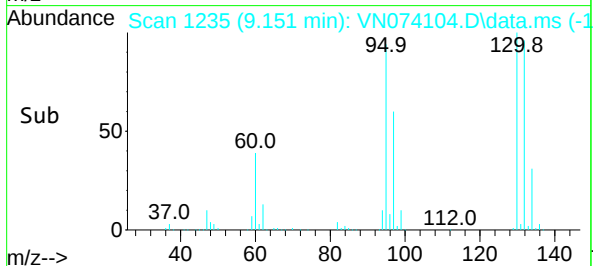
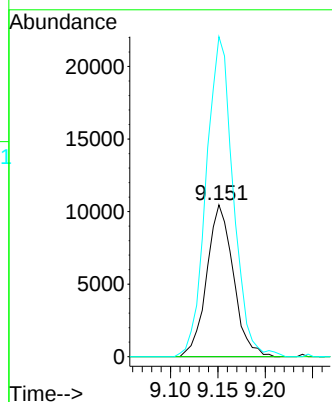
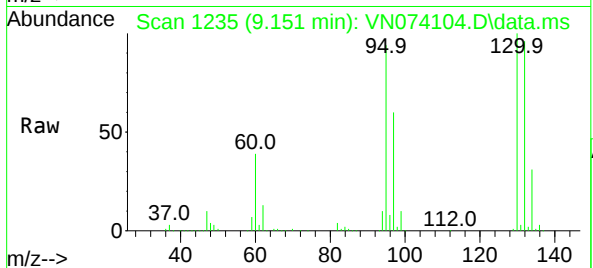
Tgt Ion: 83 Resp: 20472

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 209.2 39.4 59.2#



#43

Isopropyl Acetate

Concen: 0.389 ug/l

RT: 8.616 min Scan# 1144

Delta R.T. 0.124 min

Lab File: VN074104.D

Acq: 24 Aug 2022 20:23

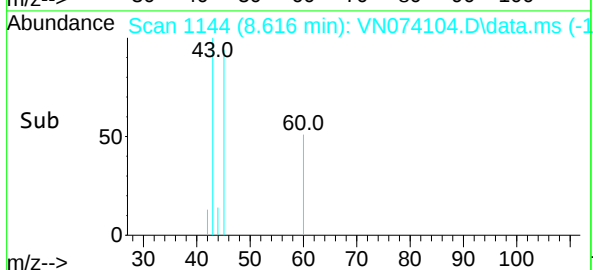
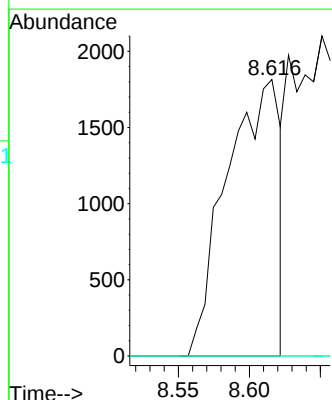
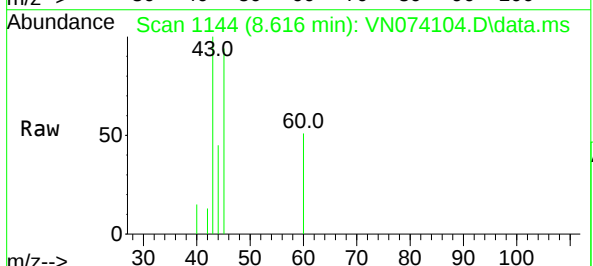
Tgt Ion: 43 Resp: 4725

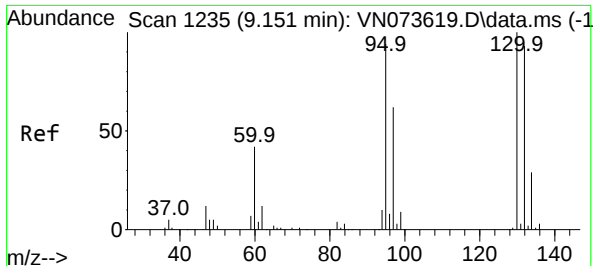
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#

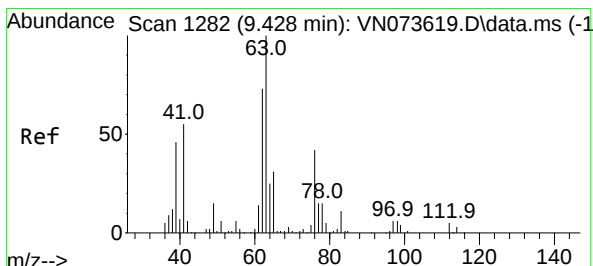
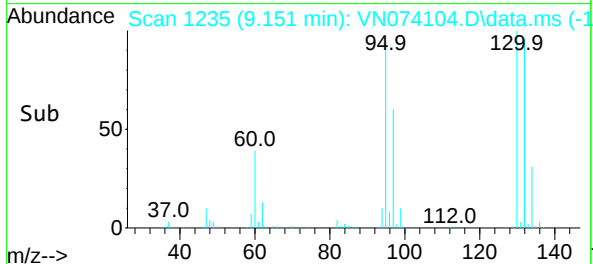
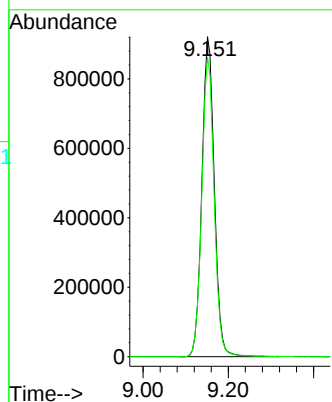
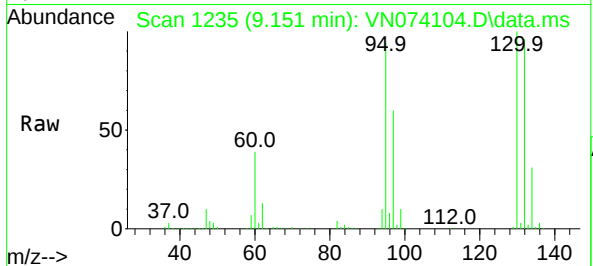




#44
Trichloroethene
Concen: 290.392 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

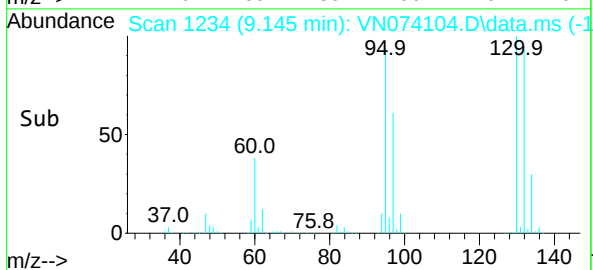
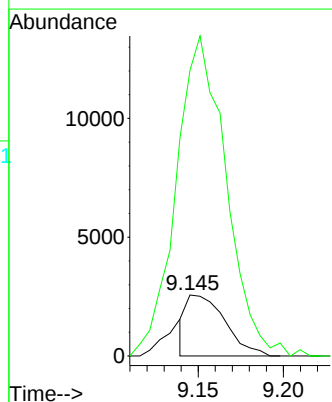
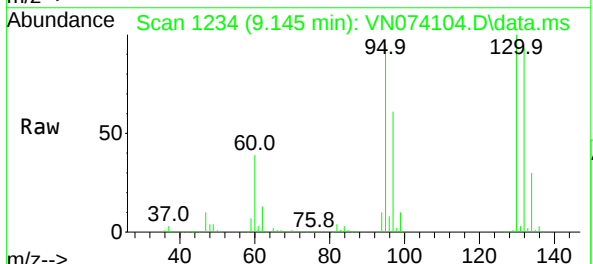
Instrument :
MSVOA_N
ClientSampleId :
RE103D2-20220818

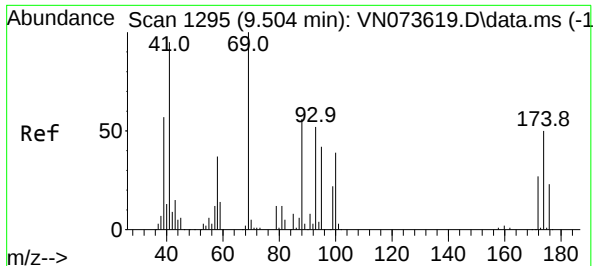
Tgt Ion:130 Resp: 1863870
Ion Ratio Lower Upper
130 100
95 93.7 0.0 186.8



#45
1,2-Dichloropropane
Concen: 0.758 ug/l
RT: 9.145 min Scan# 1234
Delta R.T. -0.283 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

Tgt Ion: 63 Resp: 4036
Ion Ratio Lower Upper
63 100
65 446.8 24.9 37.3#

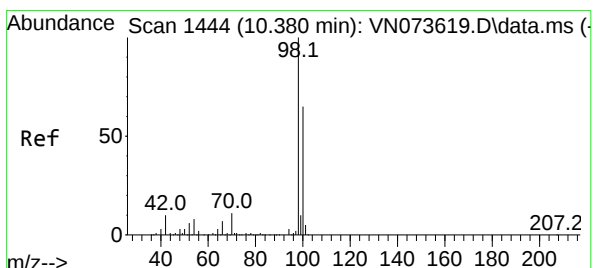
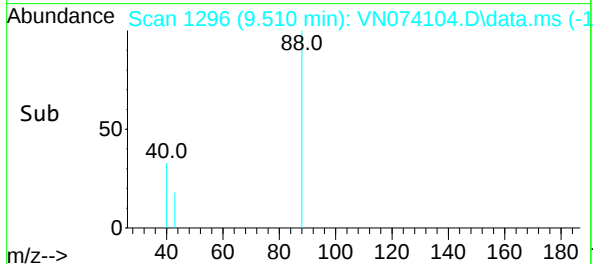
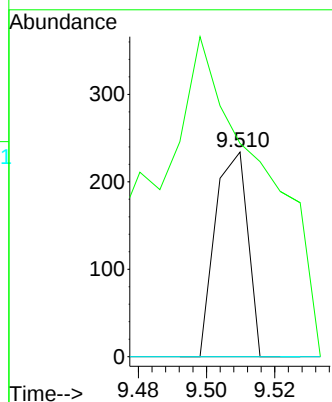
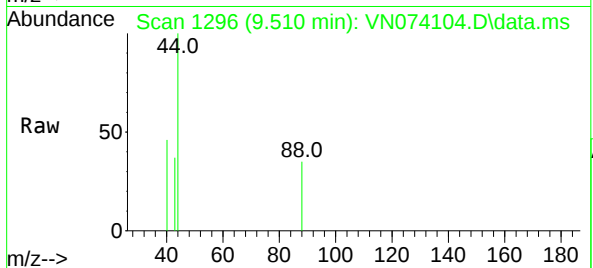




#49
1,4-Dioxane
Concen: 1.002 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

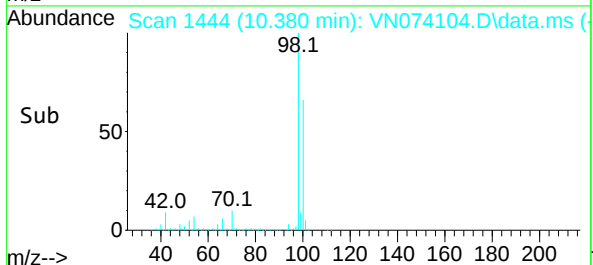
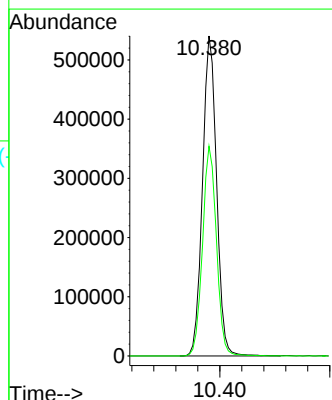
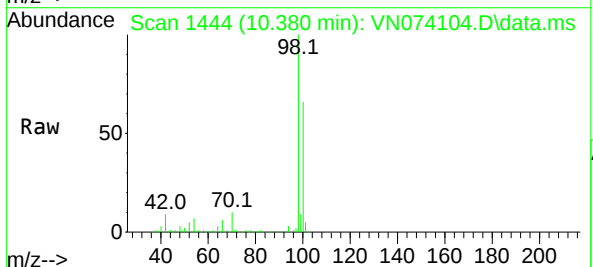
Instrument :
MSVOA_N
ClientSampleId :
RE103D2-20220818

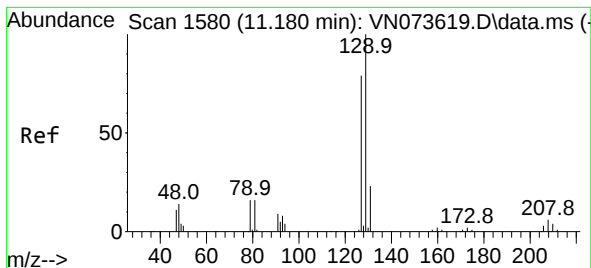
Tgt Ion: 88 Resp: 155
Ion Ratio Lower Upper
88 100
43 438.7 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 48.931 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

Tgt Ion: 98 Resp: 960640
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

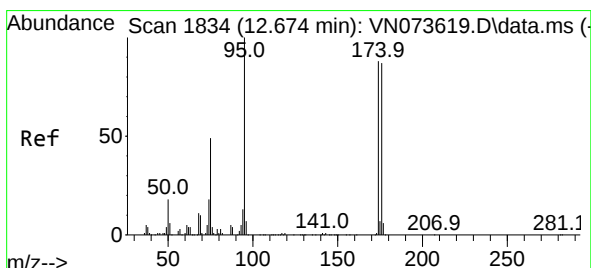
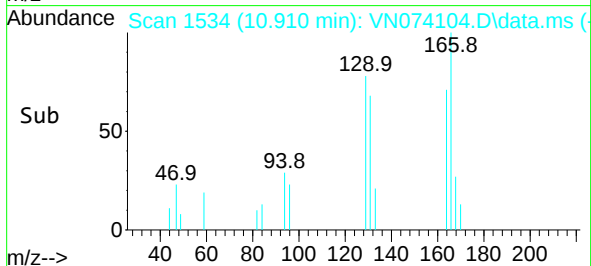
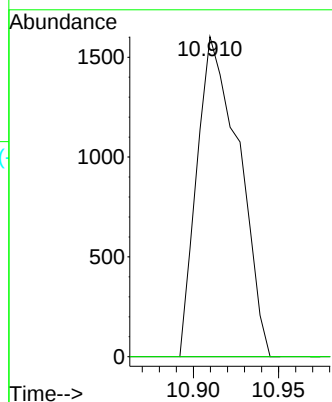
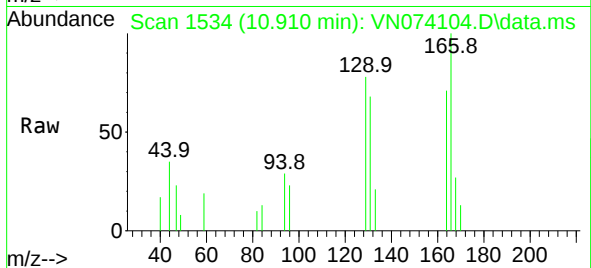




#60
Dibromochloromethane
Concen: 0.419 ug/l
RT: 10.910 min Scan# 11
Delta R.T. -0.270 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

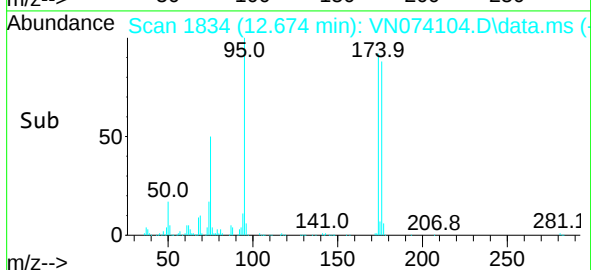
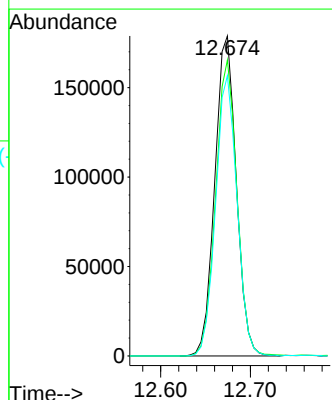
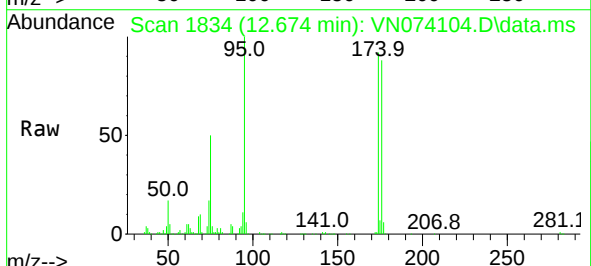
Instrument :
MSVOA_N
ClientSampleId :
RE103D2-20220818

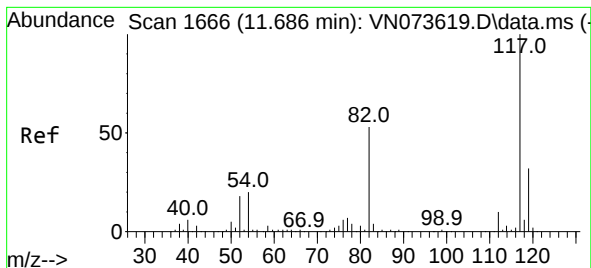
Tgt Ion:129 Resp: 2744
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.603 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074104.D
Acq: 24 Aug 2022 20:23

Tgt Ion: 95 Resp: 297137
Ion Ratio Lower Upper
95 100
174 92.0 0.0 167.6
176 87.2 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074104.D

Acq: 24 Aug 2022 20:23

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20220818

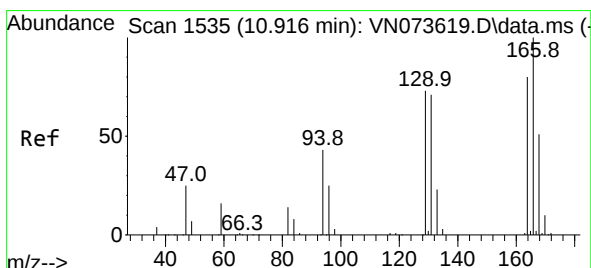
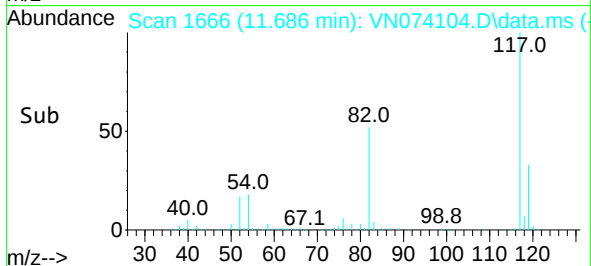
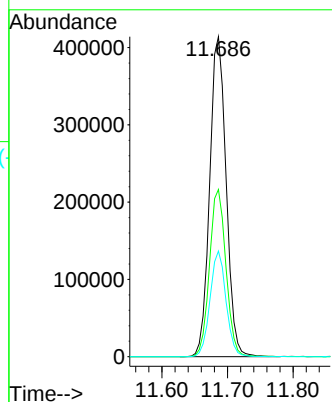
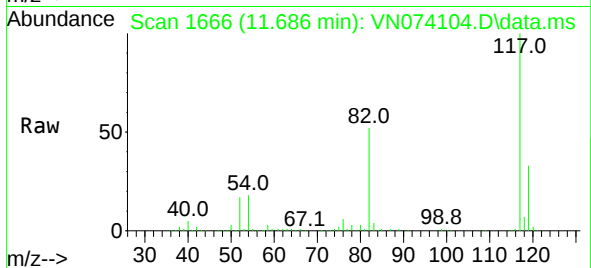
Tgt Ion:117 Resp: 722992

Ion Ratio Lower Upper

117 100

82 52.2 44.2 66.2

119 33.0 25.4 38.0



#64

Tetrachloroethene

Concen: 0.504 ug/l

RT: 10.916 min Scan# 1535

Delta R.T. -0.000 min

Lab File: VN074104.D

Acq: 24 Aug 2022 20:23

Tgt Ion:164 Resp: 2874

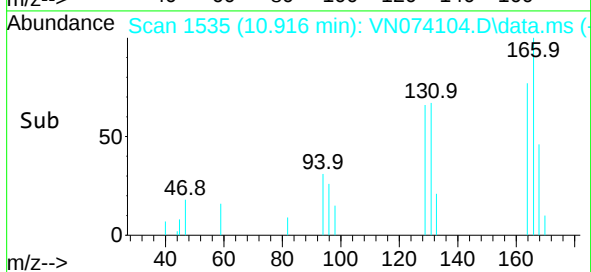
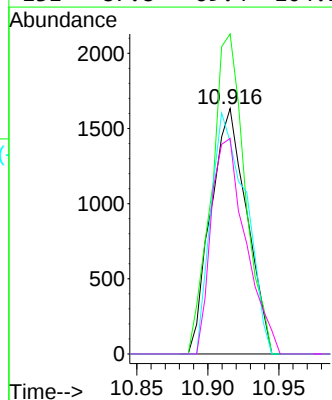
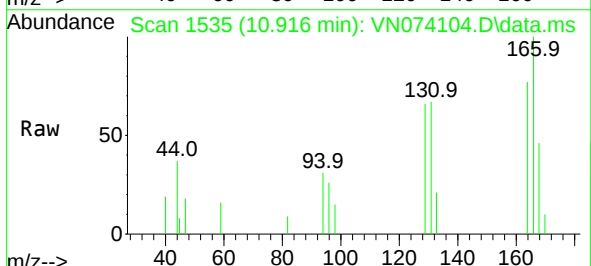
Ion Ratio Lower Upper

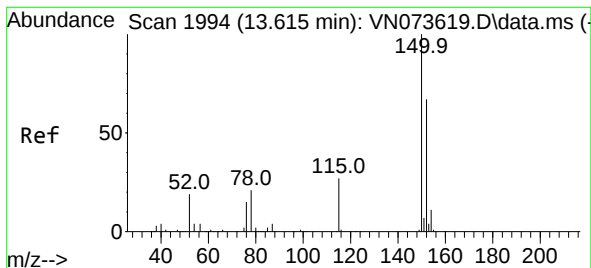
164 100

166 130.4 104.2 156.2

129 86.5 73.9 110.9

131 87.8 69.4 104.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN074104.D

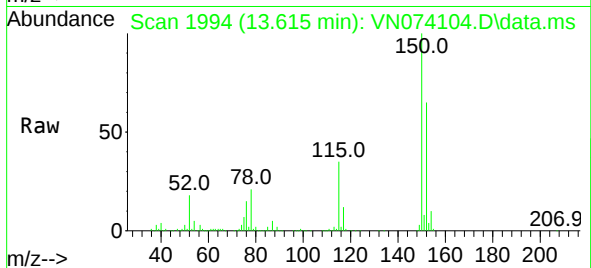
Acq: 24 Aug 2022 20:23

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20220818



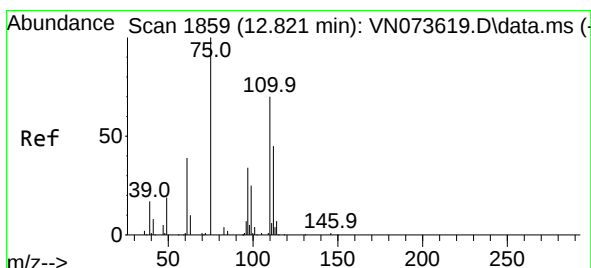
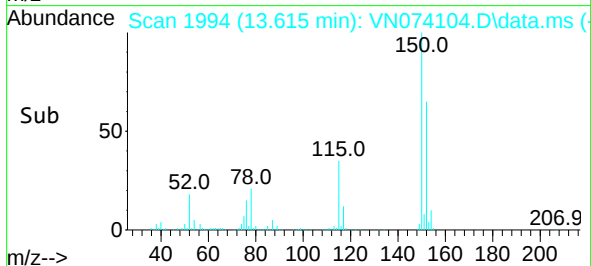
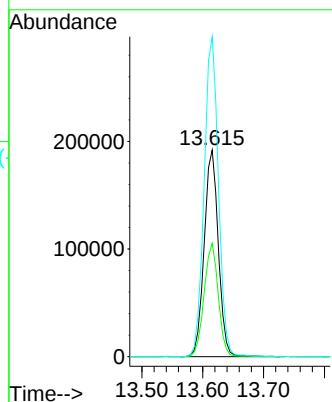
Tgt Ion:152 Resp: 310504

Ion Ratio Lower Upper

152 100

115 54.8 28.9 86.7

150 156.6 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 22.681 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. -0.147 min

Lab File: VN074104.D

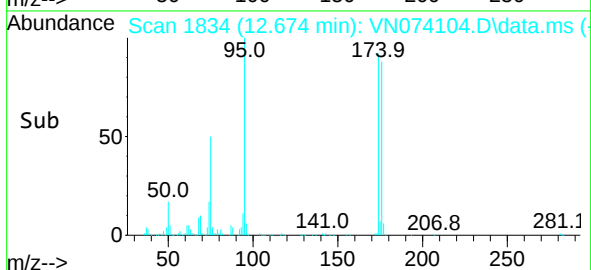
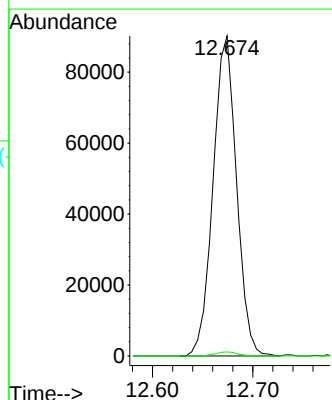
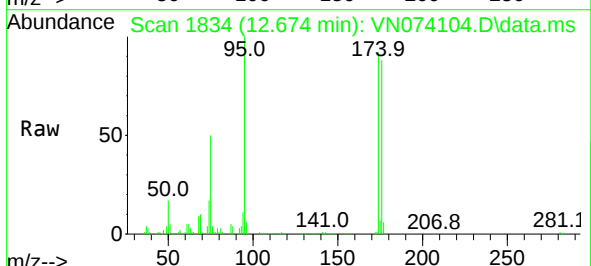
Acq: 24 Aug 2022 20:23

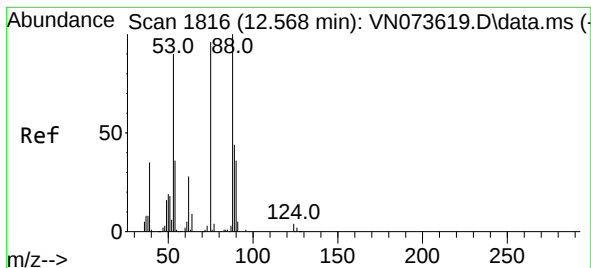
Tgt Ion: 75 Resp: 146377

Ion Ratio Lower Upper

75 100

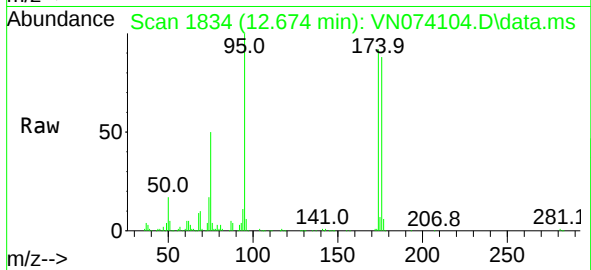
77 1.2 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.508 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN074104.D
 Acq: 24 Aug 2022 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D2-20220818



Tgt Ion: 75 Resp: 146377
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.1 37.2 55.8#

