

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
 Data File : VN070462.D
 Acq On : 4 Jan 2022 14:36
 Operator : JC/MD
 Sample : M5234-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 05 03:16:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

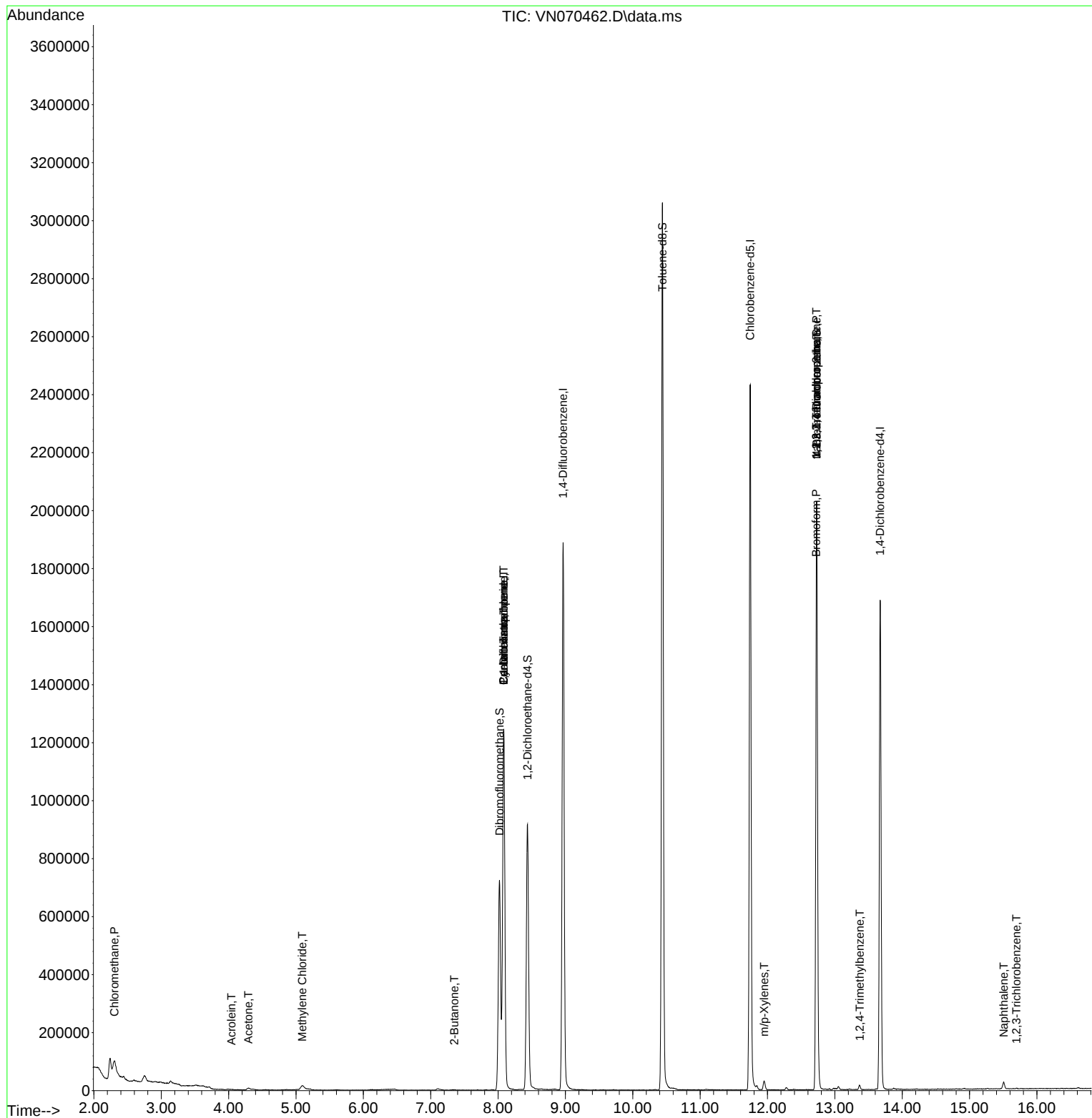
Internal Standards						
1) Pentafluorobenzene	8.083	168	971668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1650625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1399587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	475357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	781629	55.948	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	111.900%	
35) Dibromofluoromethane	8.021	113	540514	54.121	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	108.240%	
50) Toluene-d8	10.440	98	2147256	52.631	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	105.260%	
62) 4-Bromofluorobenzene	12.731	95	744803	50.545	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	101.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	6158	0.411	ug/l	92
13) Acrolein	4.041	56	559	0.296	ug/l #	41
16) Acetone	4.293	43	5781	0.637	ug/l #	86
20) Methylene Chloride	5.093	84	9823	0.783	ug/l	95
25) 2-Butanone	7.351	43	2562	0.224	ug/l #	89
31) Cyclohexane	8.083	56	23158	1.050	ug/l #	16
36) 1,1-Dichloropropene	8.083	75	77588	4.696	ug/l #	49
38) Carbon Tetrachloride	8.083	117	95470	6.052	ug/l #	16
68) m/p-Xylenes	11.950	106	10223	0.516	ug/l	89
71) Bromoform	12.723	173	1990	0.253	ug/l #	29
75) 1,1,2,2-Tetrachloroethane	12.728	83	456	0.475	ug/l #	1
76) 1,2,3-Trichloropropane	12.728	75	388536	28.833	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	388536	99.862	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	9931	0.292	ug/l	94
95) Naphthalene	15.507	128	23554	2.845	ug/l	98
96) 1,2,3-Trichlorobenzene	15.694	180	919	0.947	ug/l #	66

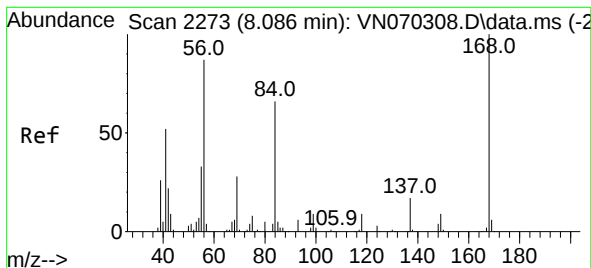
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.083 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070462.D

Acq: 4 Jan 2022 14:36

Instrument :

MSVOA_N

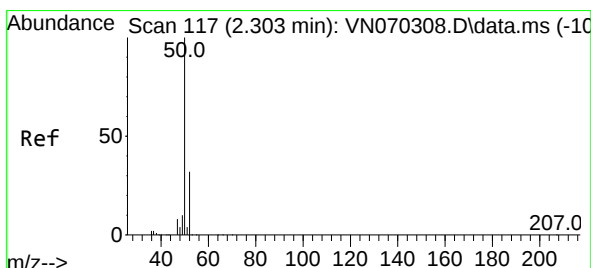
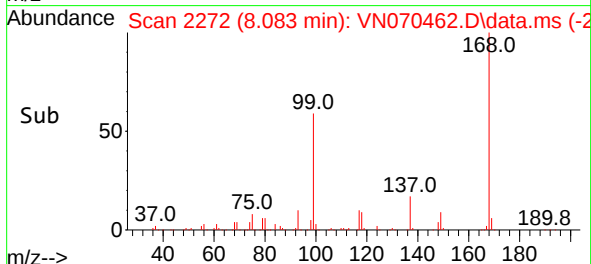
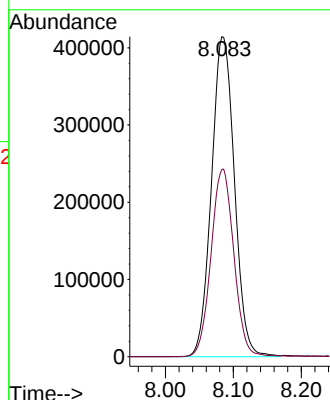
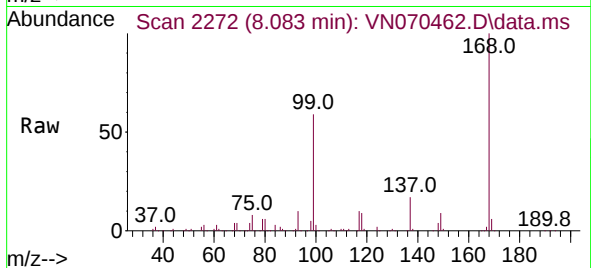
ClientSampleId :

Tgt Ion:168 Resp: 971668

Ion Ratio Lower Upper

168 100

99 58.5 41.3 61.9



#3

Chloromethane

Concen: 0.411 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.000 min

Lab File: VN070462.D

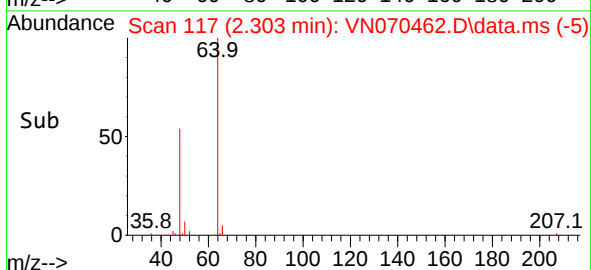
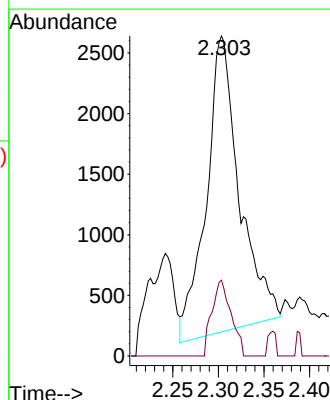
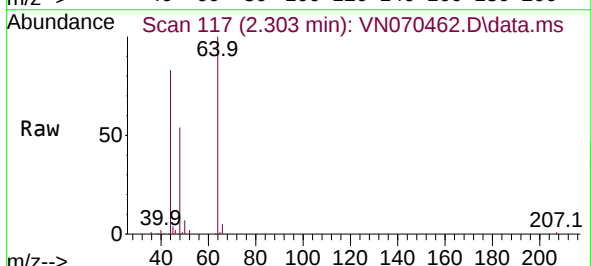
Acq: 4 Jan 2022 14:36

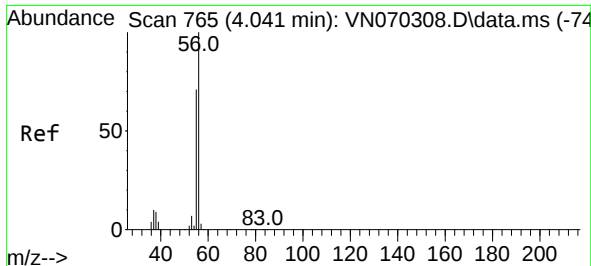
Tgt Ion: 50 Resp: 6158

Ion Ratio Lower Upper

50 100

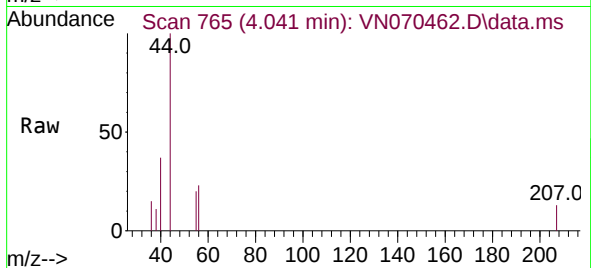
52 27.0 25.4 38.0



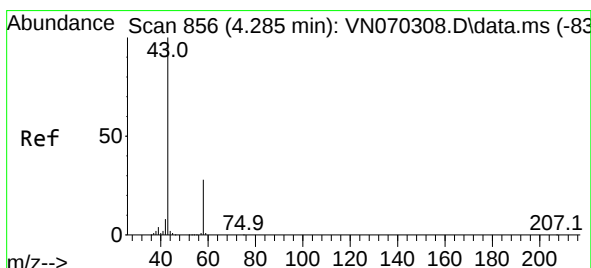
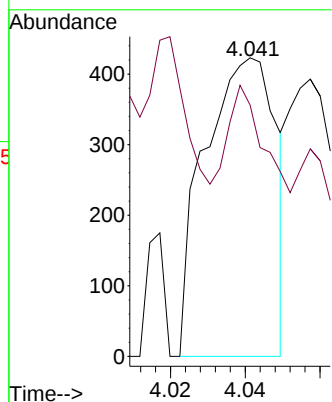
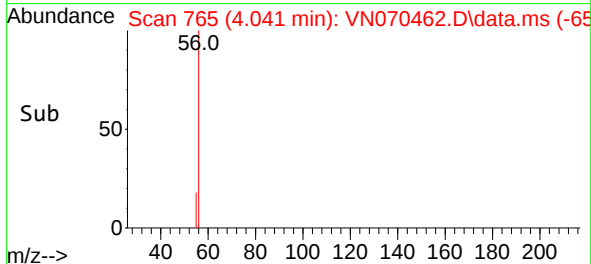


#13
Acrolein
Concen: 0.296 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

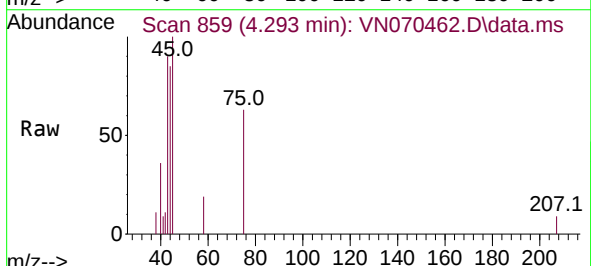
Instrument :
MSVOA_N
ClientSampleId :



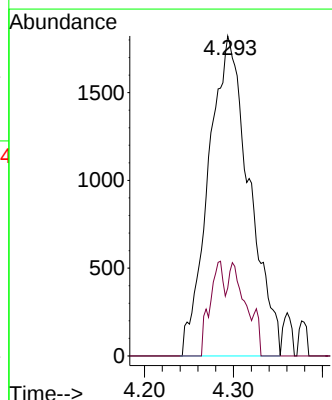
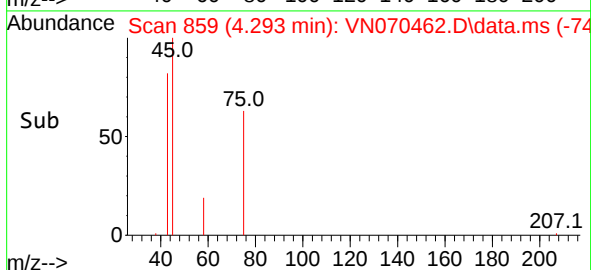
Tgt Ion: 56 Resp: 559
Ion Ratio Lower Upper
56 100
55 22.0 56.6 85.0#

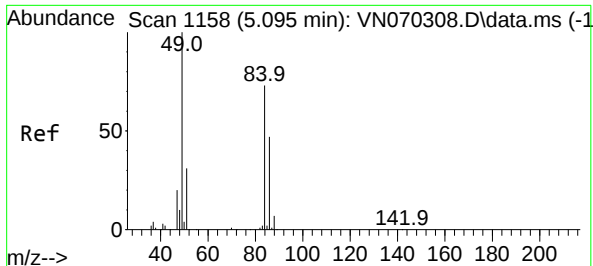


#16
Acetone
Concen: 0.637 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36



Tgt Ion: 43 Resp: 5781
Ion Ratio Lower Upper
43 100
58 21.2 23.1 34.7#





#20

Methylene Chloride

Concen: 0.783 ug/l

RT: 5.093 min Scan# 1158

Delta R.T. -0.002 min

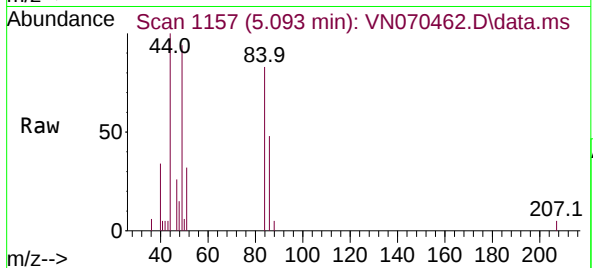
Lab File: VN070462.D

Acq: 4 Jan 2022 14:36

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 9823

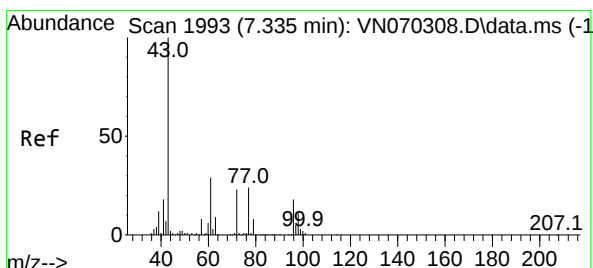
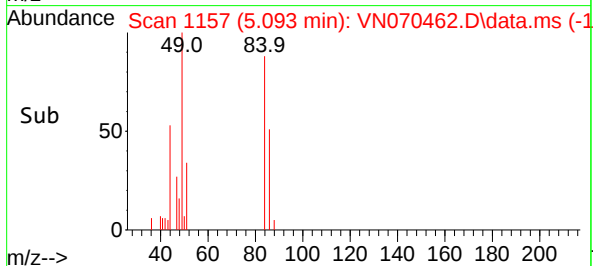
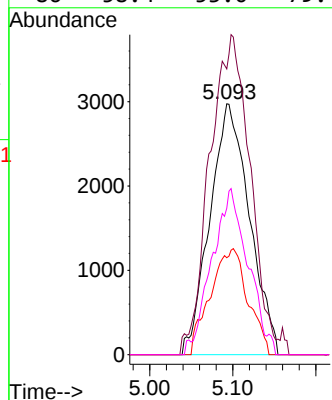
Ion Ratio Lower Upper

84 100

49 113.9 93.5 140.3

51 38.7 29.4 44.2

86 58.4 53.0 79.4



#25

2-Butanone

Concen: 0.224 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.016 min

Lab File: VN070462.D

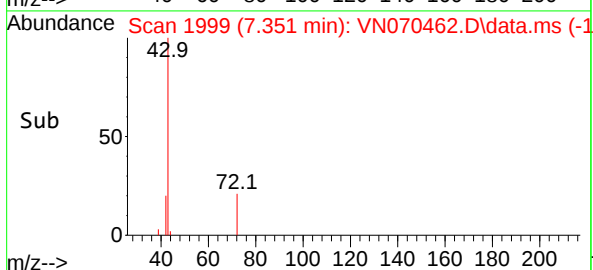
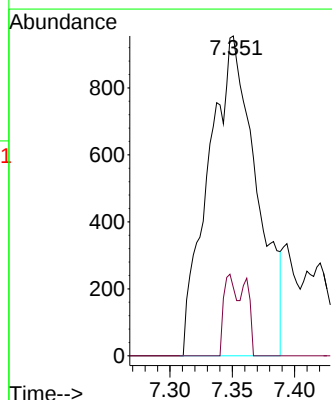
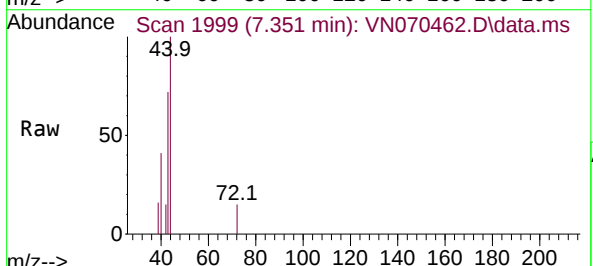
Acq: 4 Jan 2022 14:36

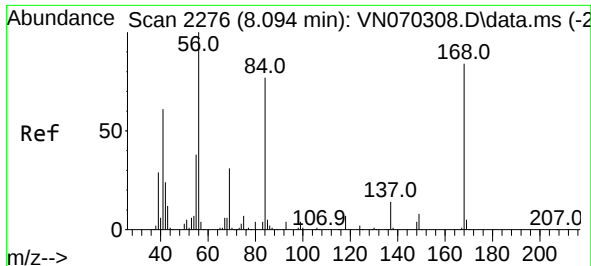
Tgt Ion: 43 Resp: 2562

Ion Ratio Lower Upper

43 100

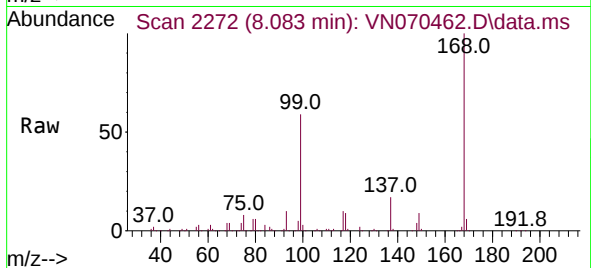
72 21.4 21.7 32.5#



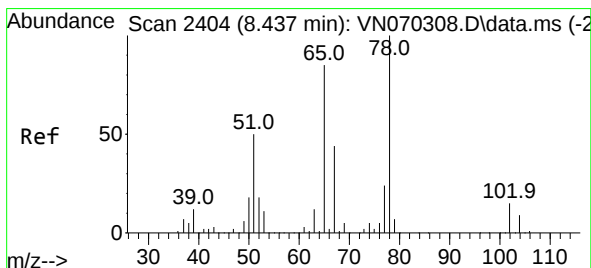
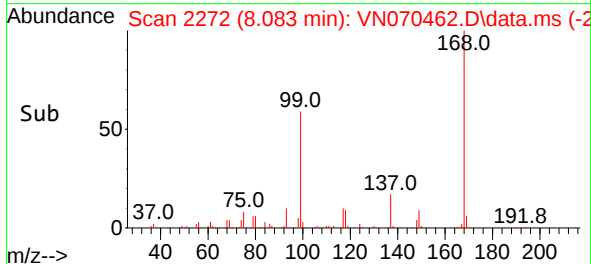
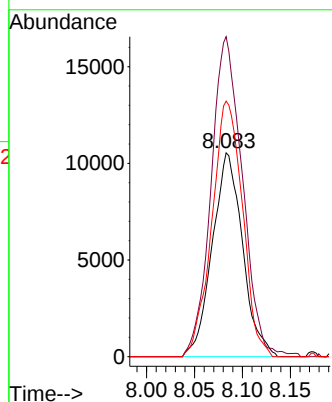


#31
Cyclohexane
Concen: 1.050 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

Instrument :
MSVOA_N
ClientSampleId :

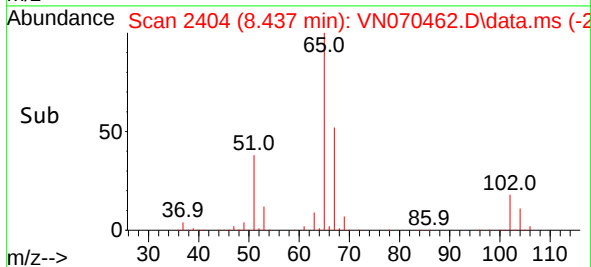
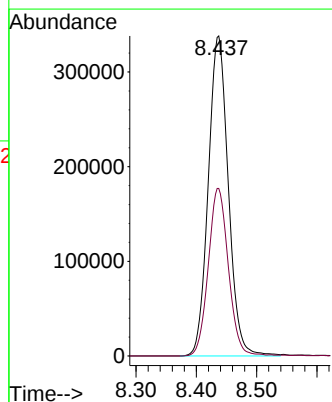
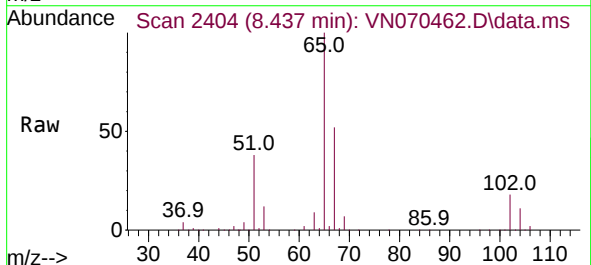


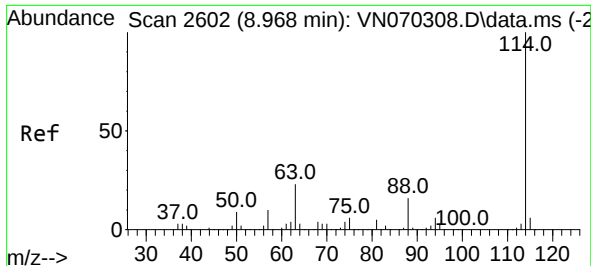
Tgt Ion: 56 Resp: 23158
Ion Ratio Lower Upper
56 100
69 157.0 27.1 40.7#
84 125.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 55.948 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

Tgt Ion: 65 Resp: 781629
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070462.D

Acq: 4 Jan 2022 14:36

Instrument :

MSVOA_N

ClientSampleId :

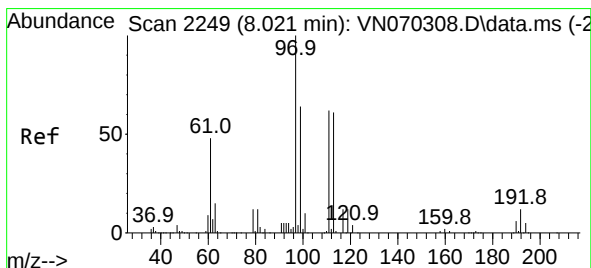
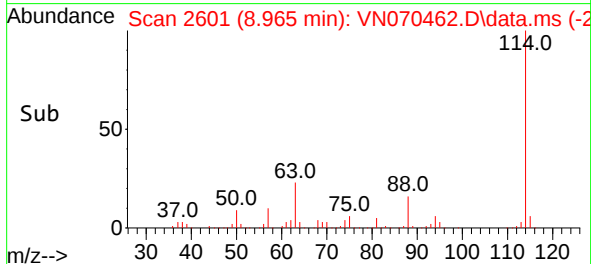
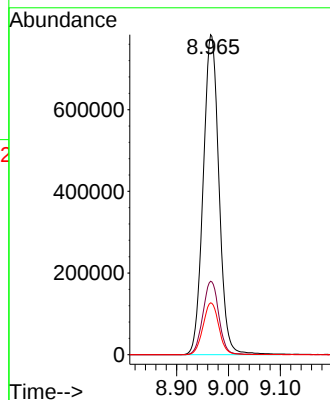
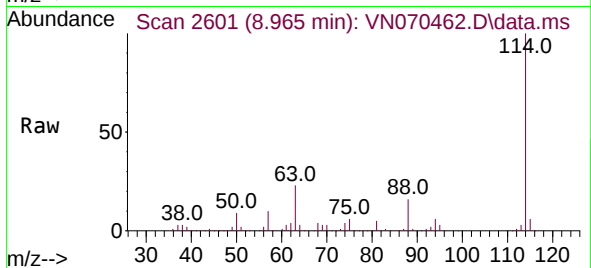
Tgt Ion:114 Resp: 1650625

Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 54.121 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070462.D

Acq: 4 Jan 2022 14:36

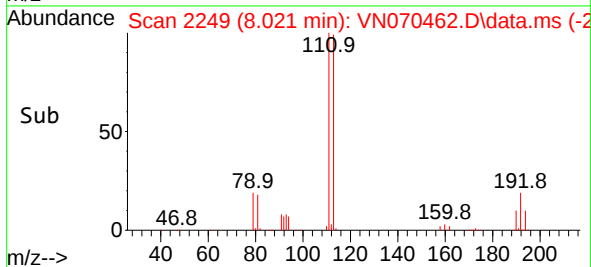
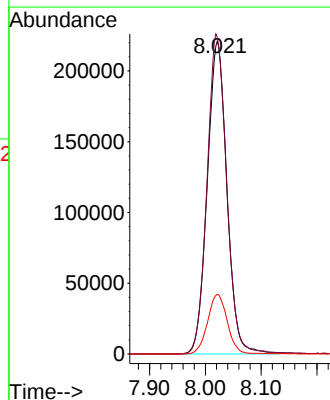
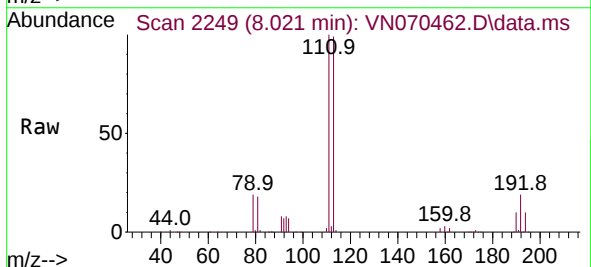
Tgt Ion:113 Resp: 540514

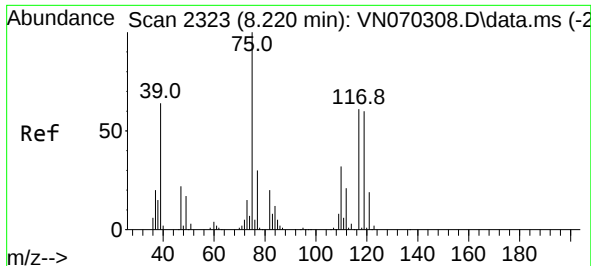
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

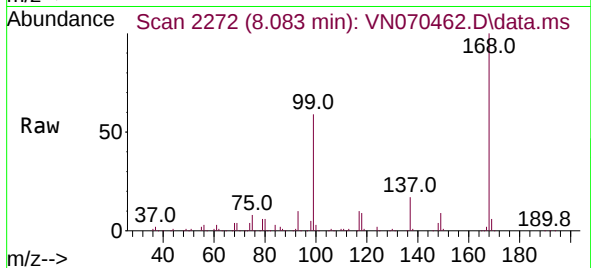
192 19.2 16.9 25.3



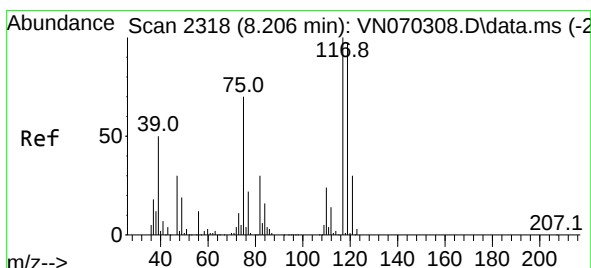
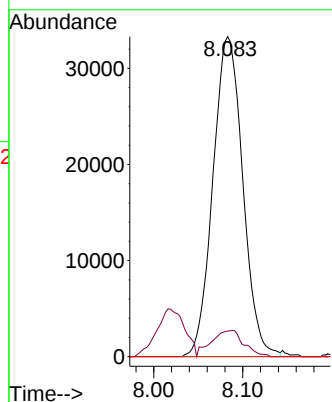
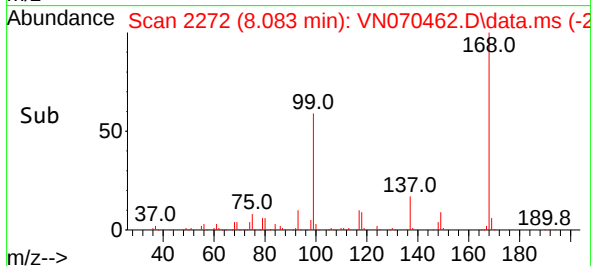


#36
1,1-Dichloropropene
Concen: 4.696 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

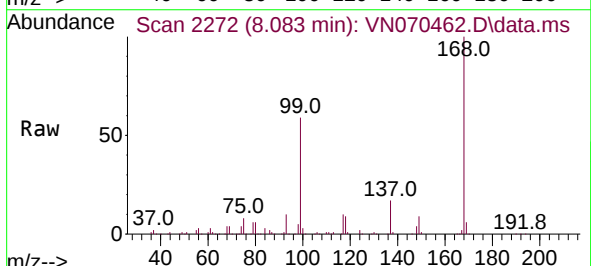
Instrument :
MSVOA_N
ClientSampleId :



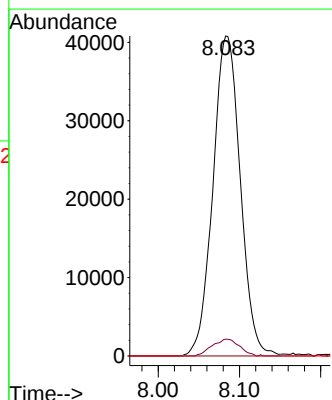
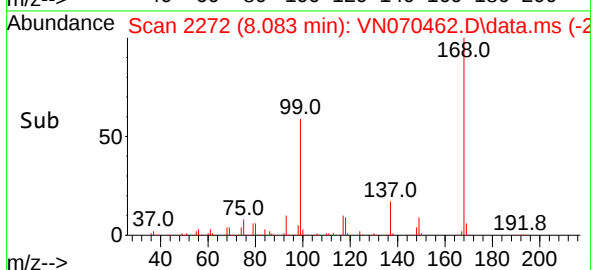
Tgt Ion: 75 Resp: 77588
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#

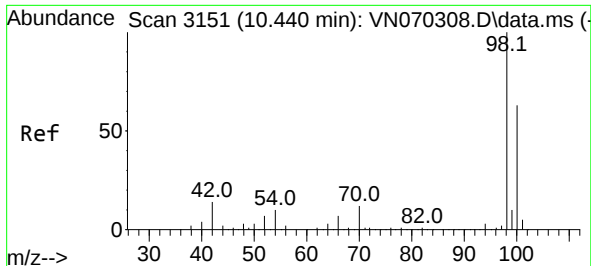


#38
Carbon Tetrachloride
Concen: 6.052 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36



Tgt Ion: 117 Resp: 95470
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#

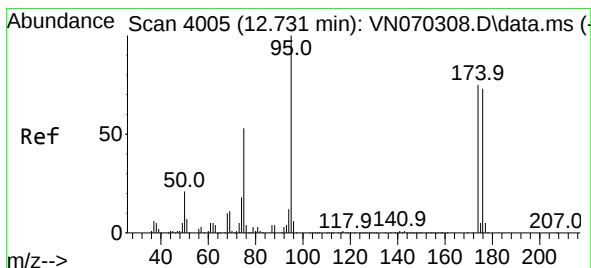
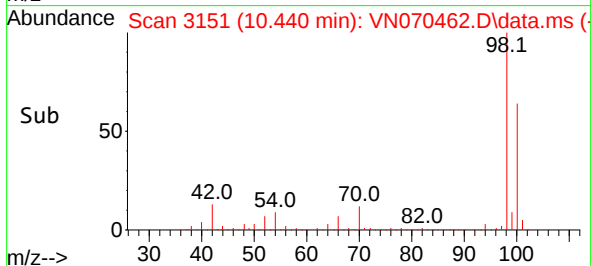
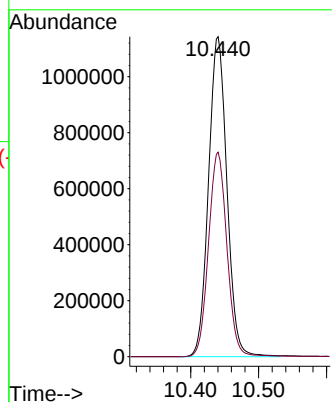
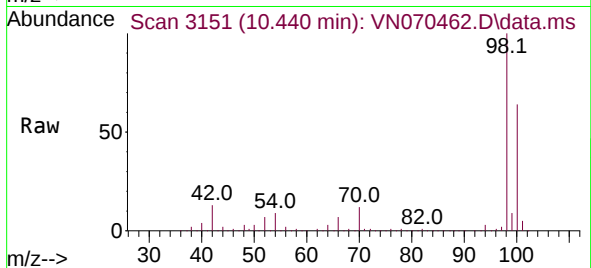




#50
Toluene-d8
Concen: 52.631 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

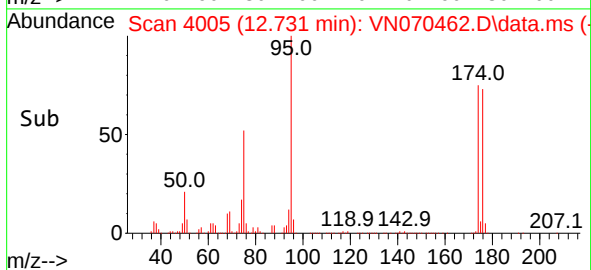
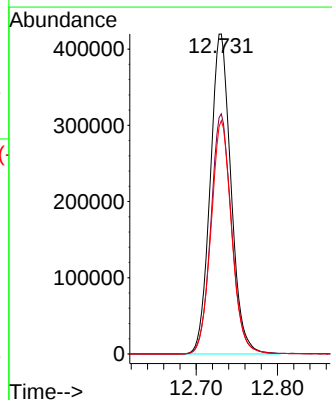
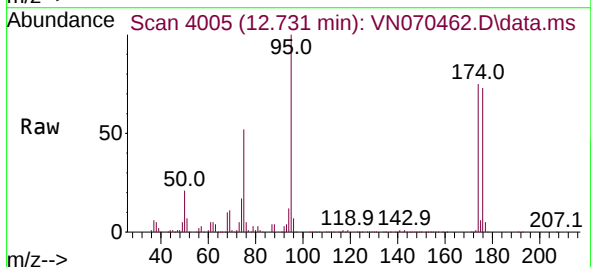
Instrument :
MSVOA_N
ClientSampleId :

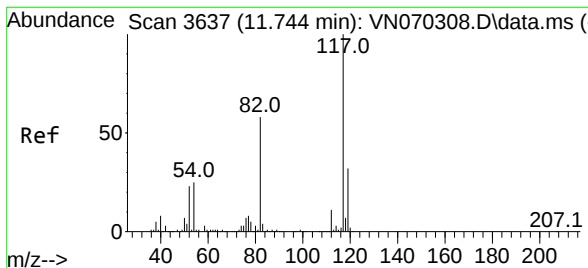
Tgt Ion: 98 Resp: 2147256
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 50.545 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

Tgt Ion: 95 Resp: 744803
Ion Ratio Lower Upper
95 100
174 75.0 0.0 187.2
176 72.4 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.000 min

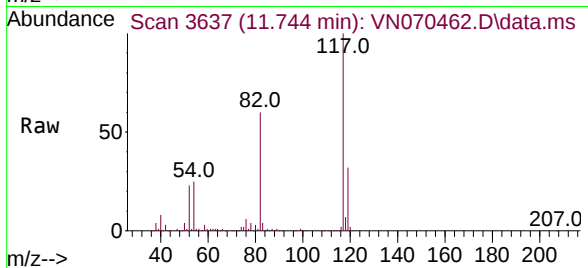
Lab File: VN070462.D

Acq: 4 Jan 2022 14:36

Instrument :

MSVOA_N

ClientSampleId :



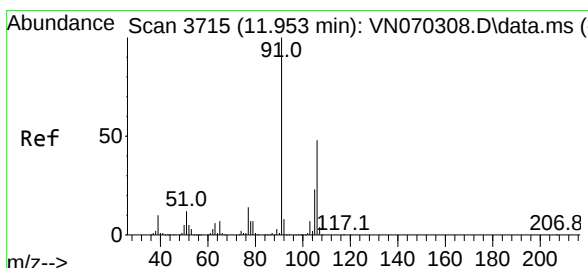
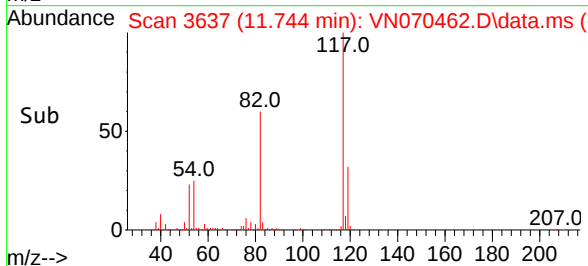
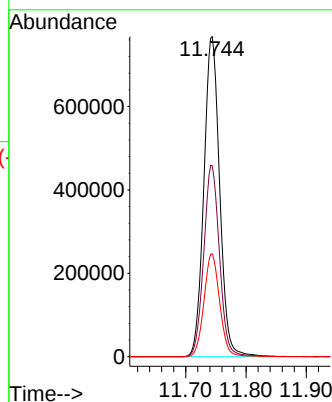
Tgt Ion:117 Resp: 1399587

Ion Ratio Lower Upper

117 100

82 59.6 42.4 63.6

119 32.1 25.4 38.2



#68

m/p-Xylenes

Concen: 0.516 ug/l

RT: 11.950 min Scan# 3714

Delta R.T. -0.003 min

Lab File: VN070462.D

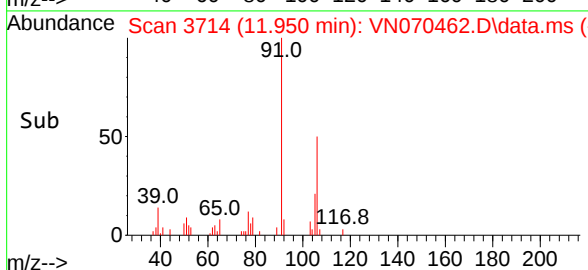
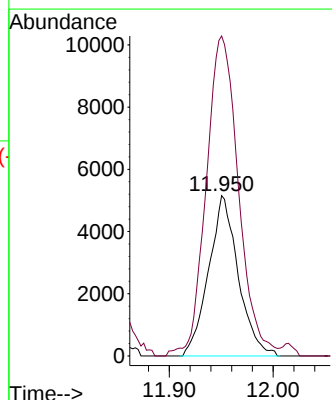
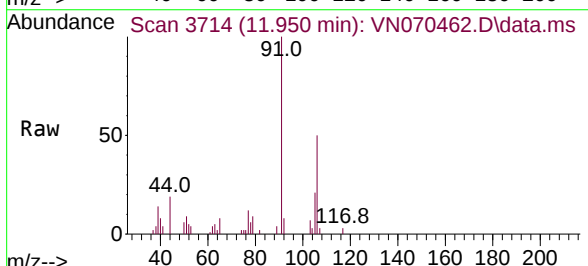
Acq: 4 Jan 2022 14:36

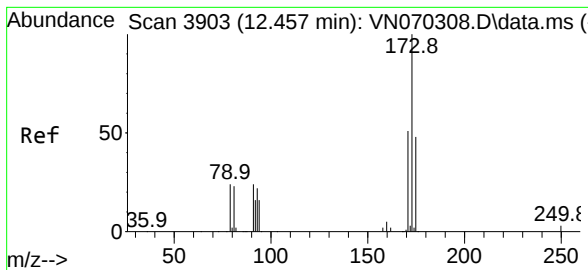
Tgt Ion:106 Resp: 10223

Ion Ratio Lower Upper

106 100

91 217.0 160.6 240.8





#71

Bromoform

Concen: 0.253 ug/l

RT: 12.723 min Scan# 4002

Delta R.T. 0.266 min

Lab File: VN070462.D

Acq: 4 Jan 2022 14:36

Instrument :

MSVOA_N

ClientSampleId :

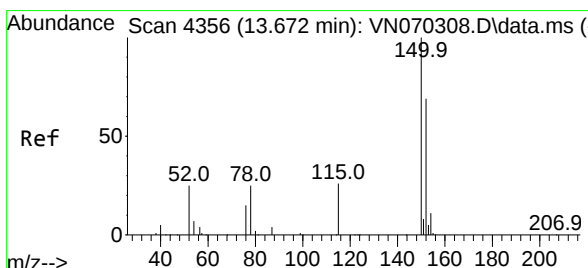
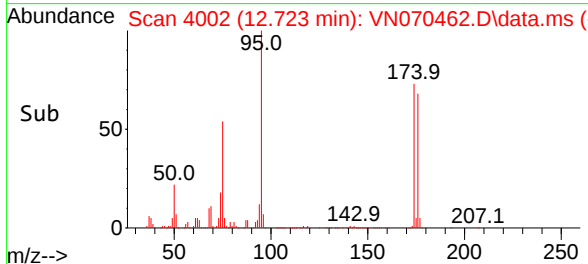
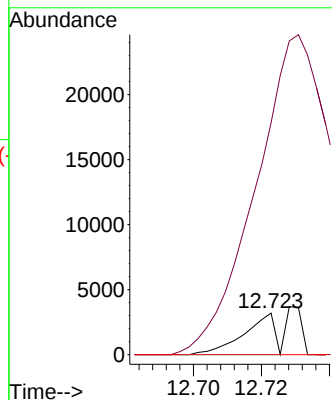
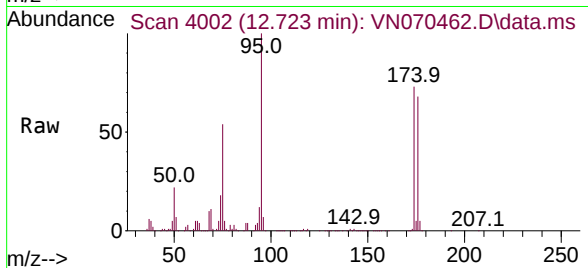
Tgt Ion:173 Resp: 1990

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.672 min Scan# 4356

Delta R.T. 0.000 min

Lab File: VN070462.D

Acq: 4 Jan 2022 14:36

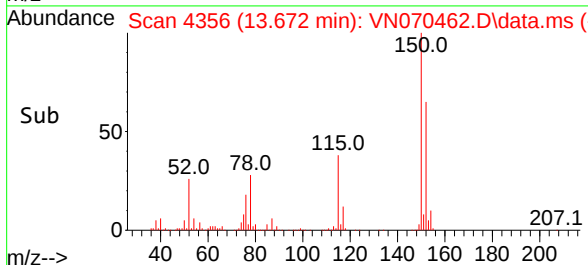
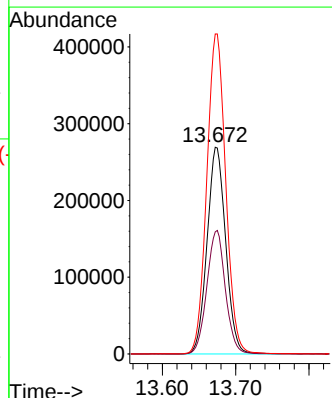
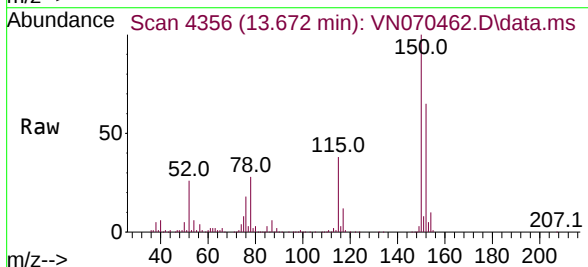
Tgt Ion:152 Resp: 475357

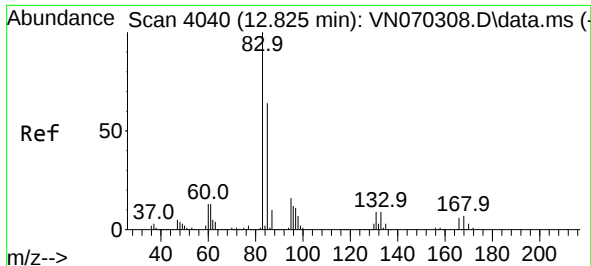
Ion Ratio Lower Upper

152 100

115 59.4 27.5 82.5

150 157.4 0.0 344.4

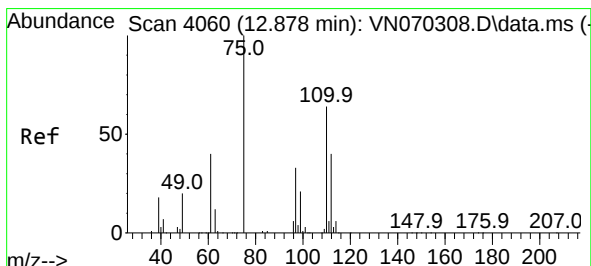
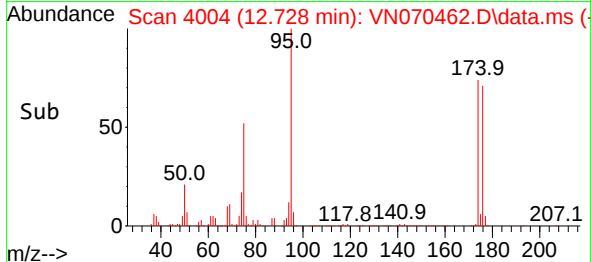
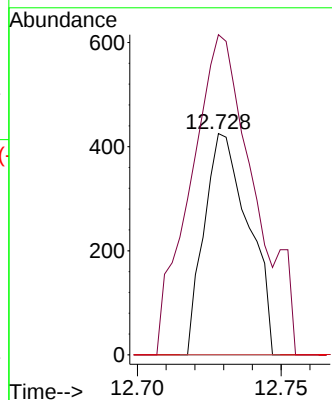
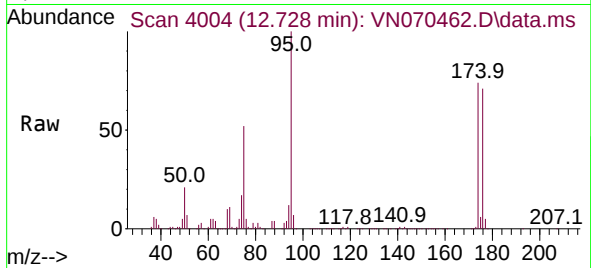




#75
1,1,2,2-Tetrachloroethane
Concen: 0.475 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.097 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

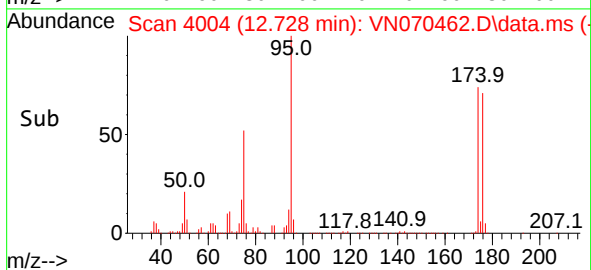
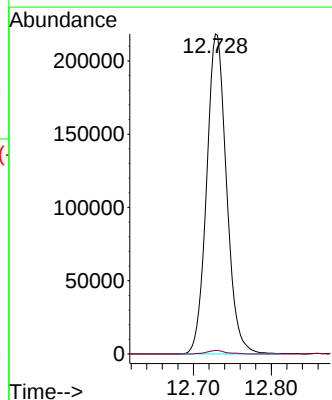
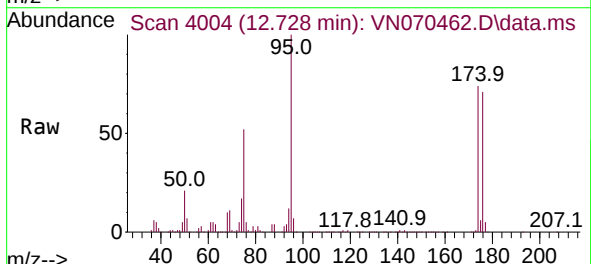
Instrument :
MSVOA_N
ClientSampleId :

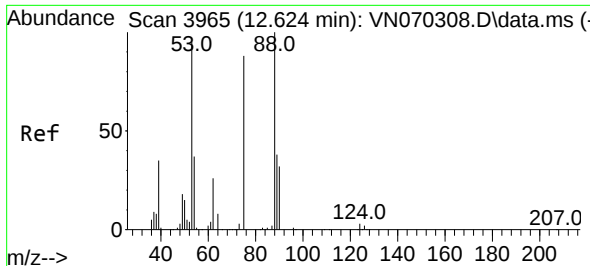
Tgt Ion: 83 Resp: 456
Ion Ratio Lower Upper
83 100
131 207.2 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 28.833 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

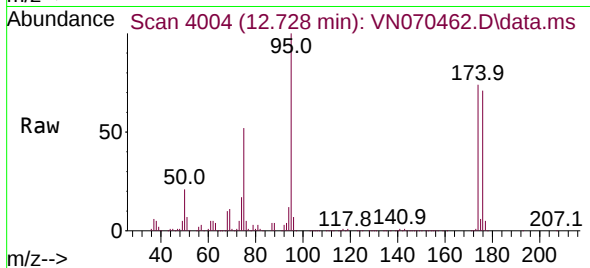
Tgt Ion: 75 Resp: 388536
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



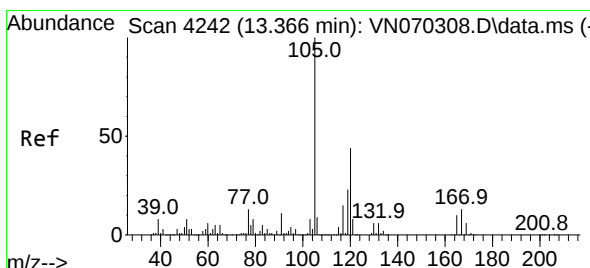
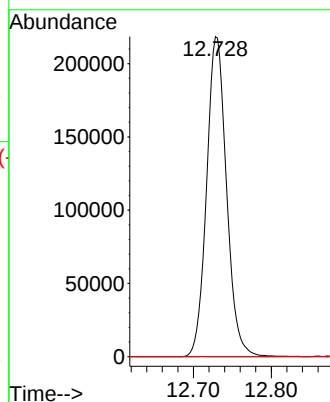
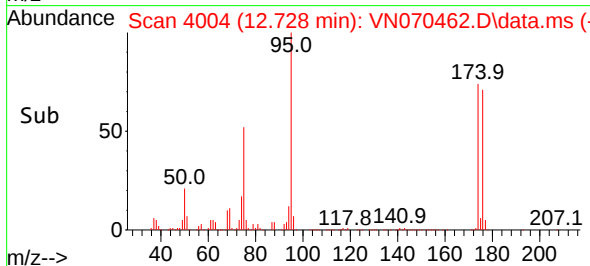


#81
trans-1,4-Dichloro-2-butene
Concen: 99.862 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

Instrument :
MSVOA_N
ClientSampleId :

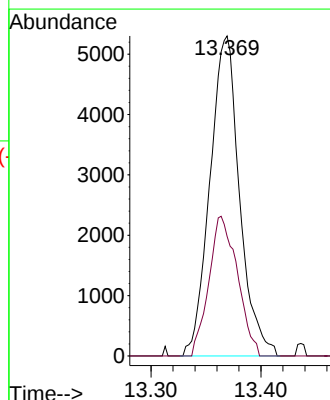
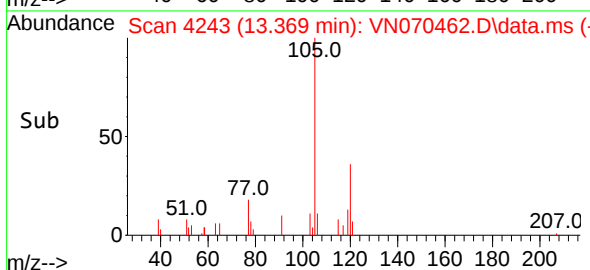
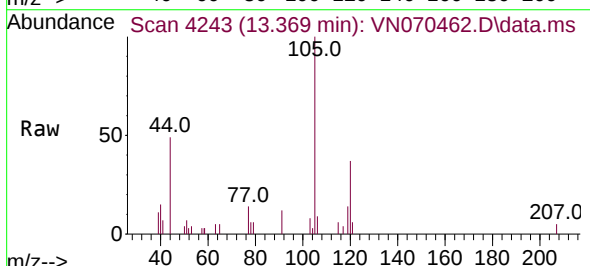


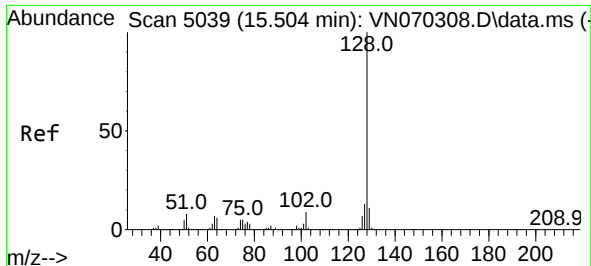
Tgt Ion: 75 Resp: 388536
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.292 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.003 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

Tgt Ion: 105 Resp: 9931
Ion Ratio Lower Upper
105 100
120 41.9 22.8 68.4

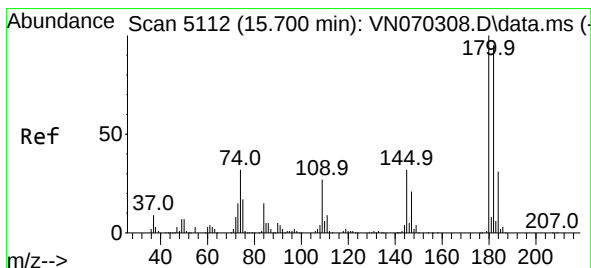
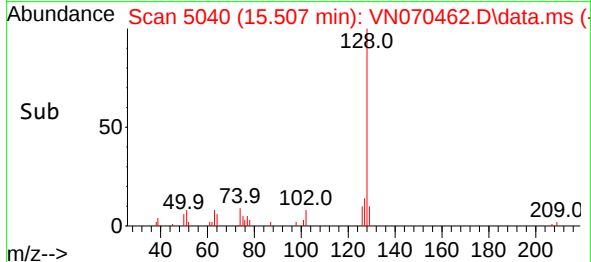
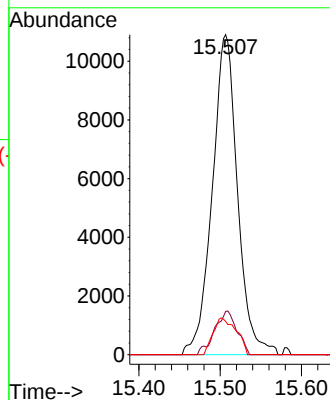
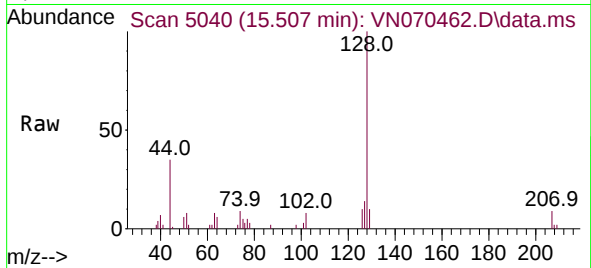




#95
Naphthalene
Concen: 2.845 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 23554
Ion Ratio Lower Upper
128 100
127 12.1 10.5 15.7
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.947 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.006 min
Lab File: VN070462.D
Acq: 4 Jan 2022 14:36

Tgt Ion:180 Resp: 919
Ion Ratio Lower Upper
180 100
182 64.3 47.4 142.2
145 6.3 15.0 45.1#

