

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011022\
 Data File : VN070542.D
 Acq On : 10 Jan 2022 14:47
 Operator : JC/MD
 Sample : N1015-10 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31279

Quant Time: Jan 11 05:34:13 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)

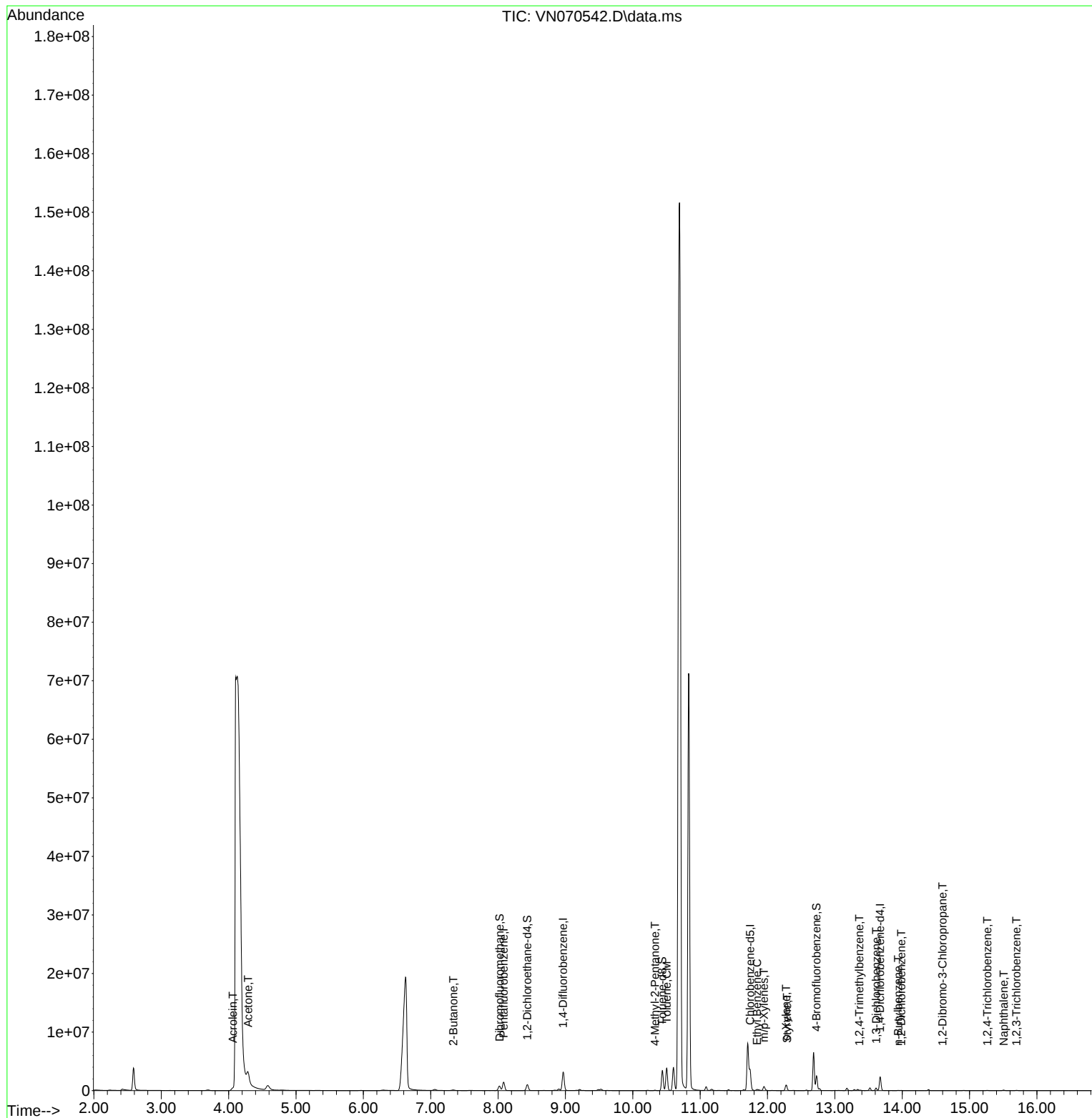
Internal Standards						
1) Pentafluorobenzene	8.083	168	1111376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1876795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1609583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	608251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	823596	51.541	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.080%			
35) Dibromofluoromethane	8.021	113	574425	50.585	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.180%			
50) Toluene-d8	10.438	98	2343867	50.527	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.060%			
62) 4-Bromofluorobenzene	12.728	95	905469	54.043	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.080%			
Target Compounds					Qvalue	
13) Acrolein	4.063	56	603609	279.601	ug/l	90
16) Acetone	4.288	43	3090154	297.899	ug/l #	1
25) 2-Butanone	7.337	43	144225	11.042	ug/l	92
51) 4-Methyl-2-Pentanone	10.330	43	56762m	2.353	ug/l	
52) Toluene	10.502	92	1684694	48.328	ug/l	97
67) Ethyl Benzene	11.843	91	112123	1.792	ug/l	99
68) m/p-Xylenes	11.948	106	189686	8.328	ug/l	94
69) o-Xylene	12.277	106	53446	2.359	ug/l	89
70) Styrene	12.291	104	33630	0.938	ug/l #	81
84) 1,2,4-Trimethylbenzene	13.364	105	22908	0.526	ug/l	91
87) 1,3-Dichlorobenzene	13.616	146	7961	0.367	ug/l	95
89) n-Butylbenzene	13.940	91	24820	0.700	ug/l	96
91) 1,2-Dichlorobenzene	13.986	146	7863	0.369	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.597	75	2266	0.693	ug/l	60
93) 1,2,4-Trichlorobenzene	15.262	180	15879	1.584	ug/l	97
95) Naphthalene	15.507	128	82230	4.657	ug/l	99
96) 1,2,3-Trichlorobenzene	15.697	180	18235	2.696	ug/l	98

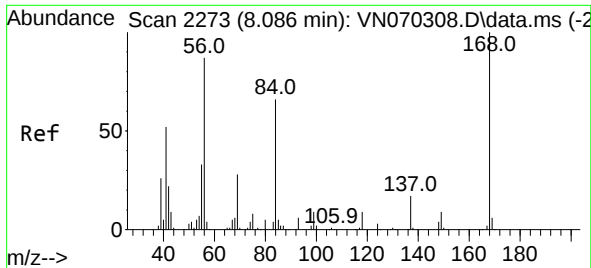
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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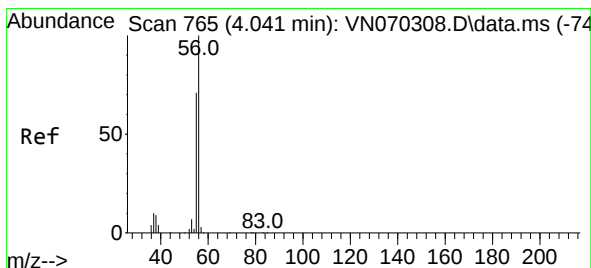
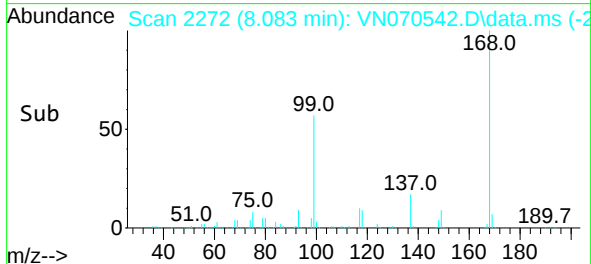
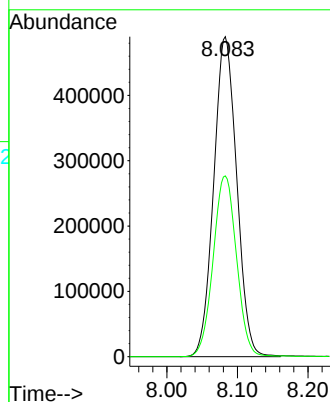
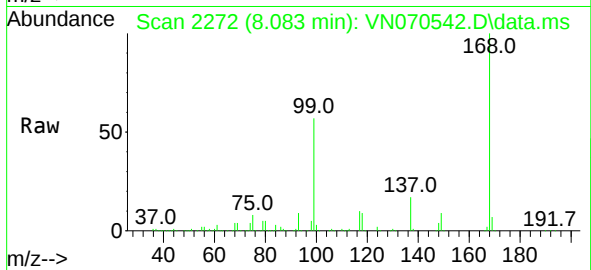




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

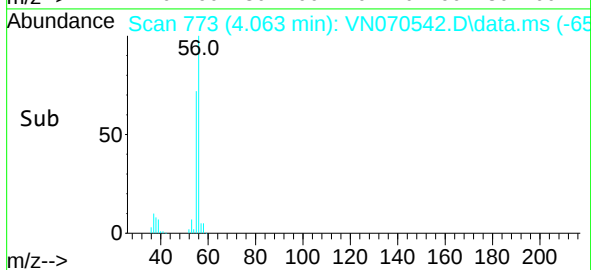
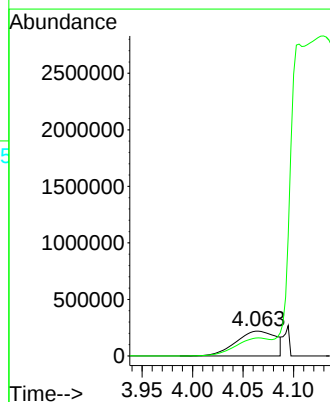
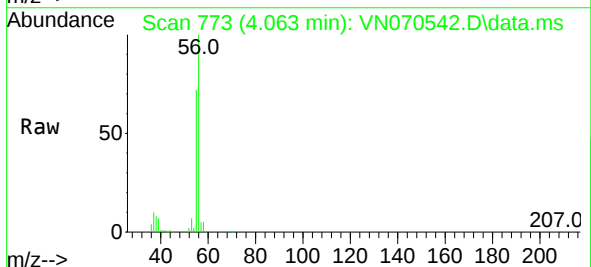
Instrument :
MSVOA_N
ClientSampleId :
31279

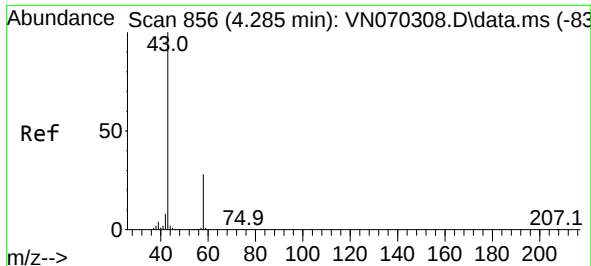
Tgt Ion:168 Resp: 1111376
Ion Ratio Lower Upper
168 100
99 56.5 41.3 61.9



#13
Acrolein
Concen: 279.601 ug/l
RT: 4.063 min Scan# 773
Delta R.T. 0.022 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

Tgt Ion: 56 Resp: 603609
Ion Ratio Lower Upper
56 100
55 62.6 56.6 85.0

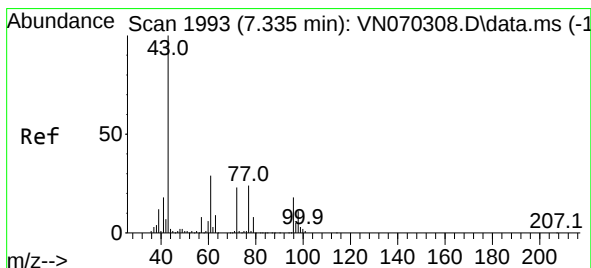
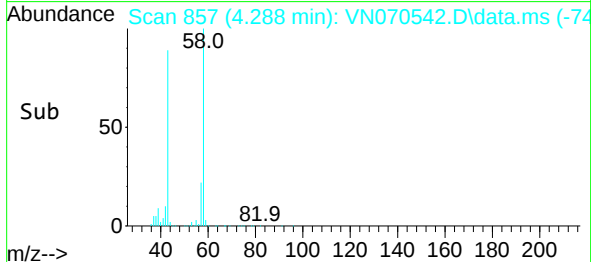
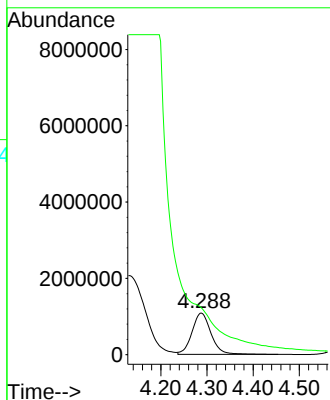
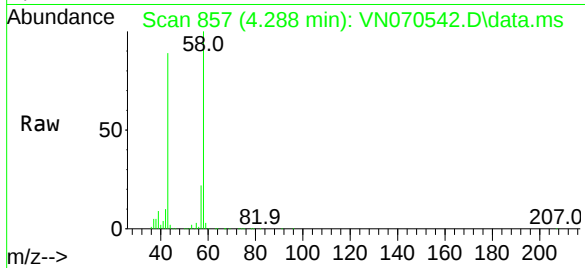




#16
Acetone
Concen: 297.899 ug/l
RT: 4.288 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

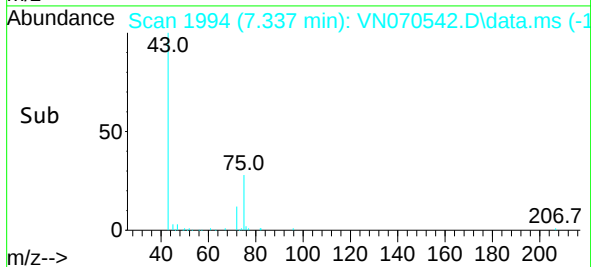
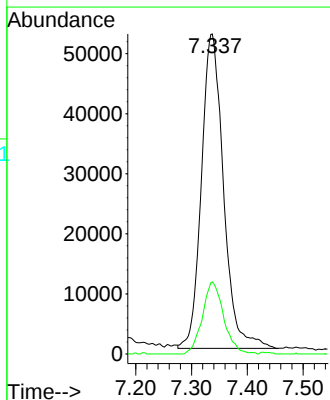
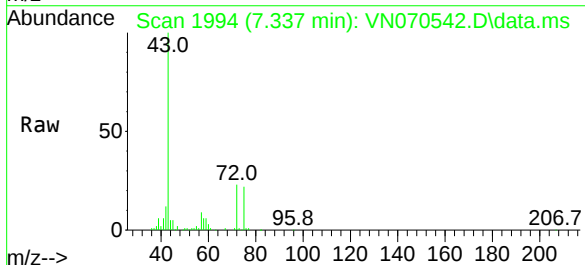
Instrument :
MSVOA_N
ClientSampleId :
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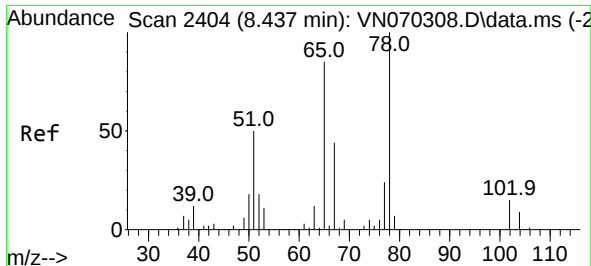
Tgt Ion: 43 Resp: 3090154
Ion Ratio Lower Upper
43 100
58 96.0 23.1 34.7#



#25
2-Butanone
Concen: 11.042 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.002 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

Tgt Ion: 43 Resp: 144225
Ion Ratio Lower Upper
43 100
72 23.0 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 51.541 ug/l

RT: 8.434 min Scan# 2403

Delta R.T. -0.003 min

Lab File: VN070542.D

Acq: 10 Jan 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

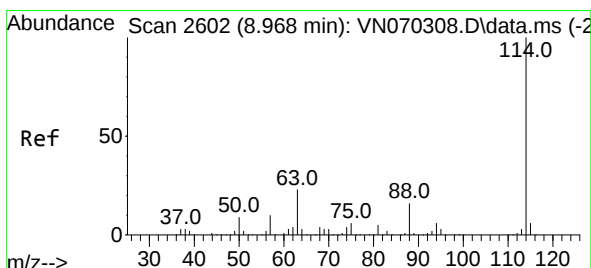
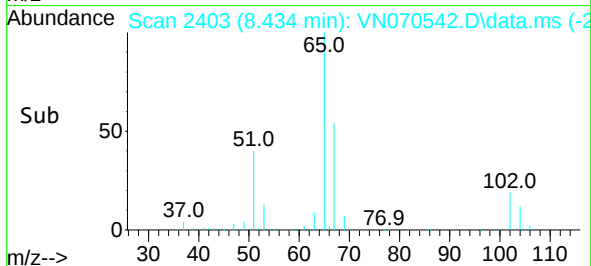
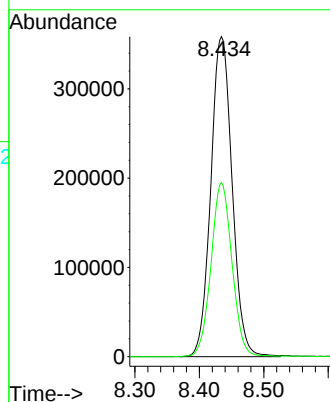
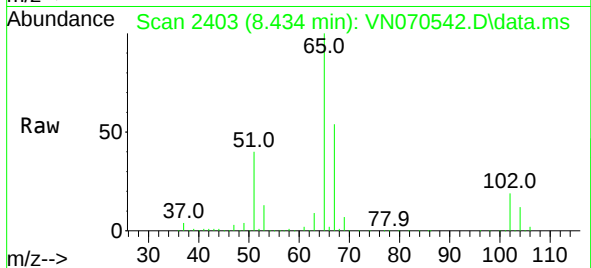
31279

Tgt Ion: 65 Resp: 823596

Ion Ratio Lower Upper

65 100

67 53.5 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: VN070542.D

Acq: 10 Jan 2022 14:47

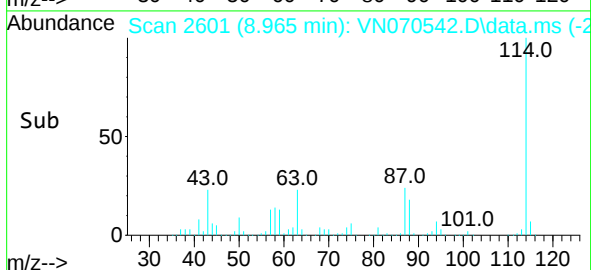
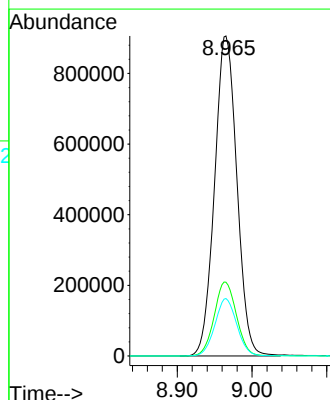
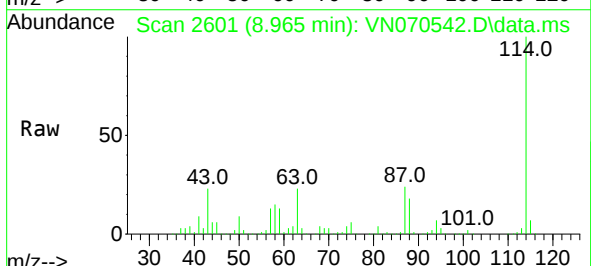
Tgt Ion: 114 Resp: 1876795

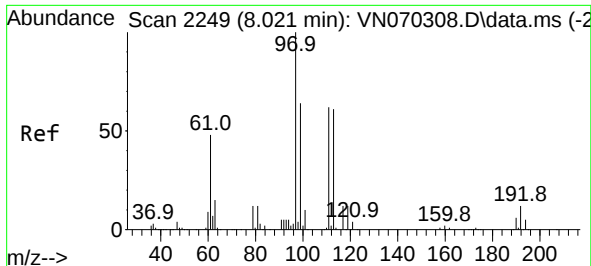
Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

88 17.9 0.0 27.4

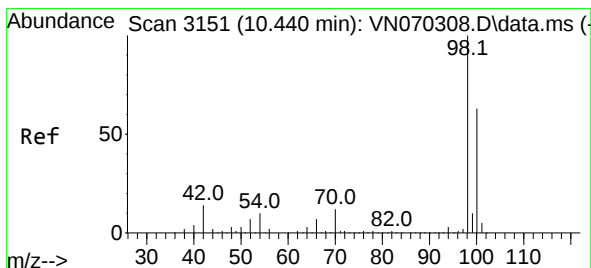
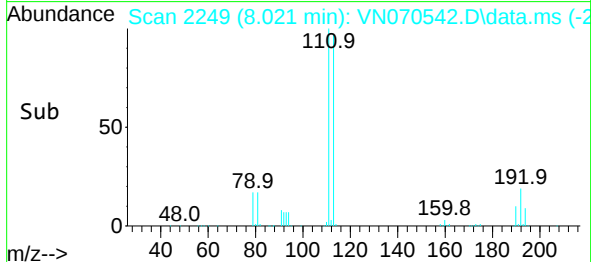
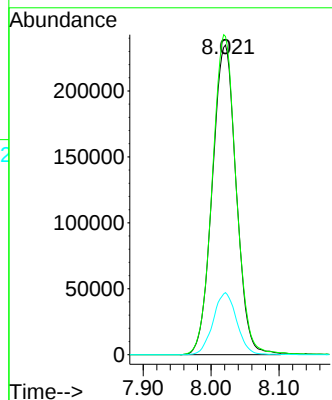
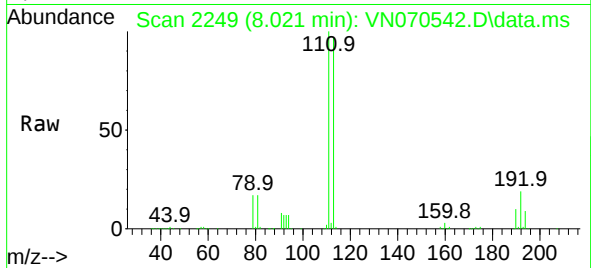




#35
 Dibromofluoromethane
 Concen: 50.585 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN070542.D
 Acq: 10 Jan 2022 14:47

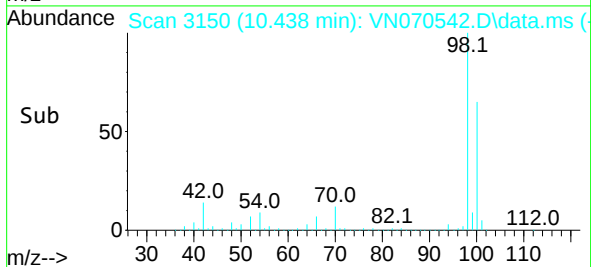
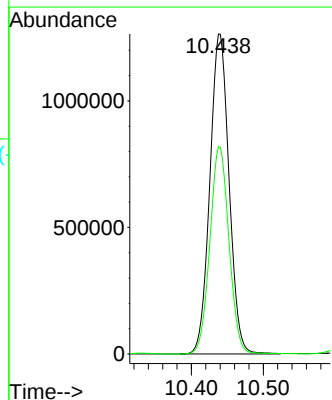
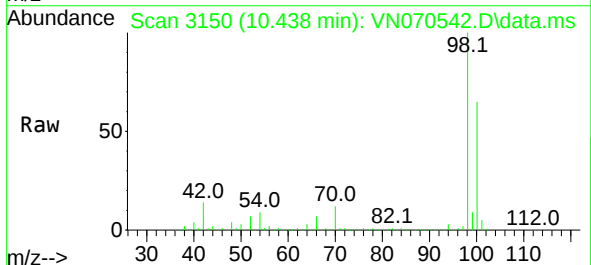
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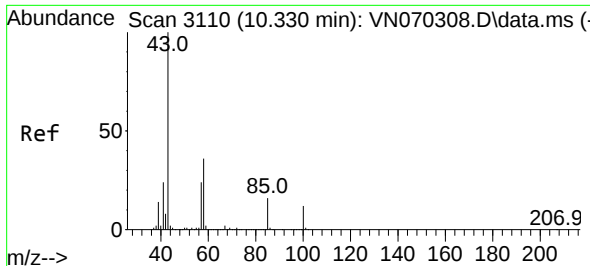
Tgt Ion:113 Resp: 574425
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.2
 192 19.7 16.9 25.3



#50
 Toluene-d8
 Concen: 50.527 ug/l
 RT: 10.438 min Scan# 3150
 Delta R.T. -0.002 min
 Lab File: VN070542.D
 Acq: 10 Jan 2022 14:47

Tgt Ion: 98 Resp: 2343867
 Ion Ratio Lower Upper
 98 100
 100 64.6 50.4 75.6

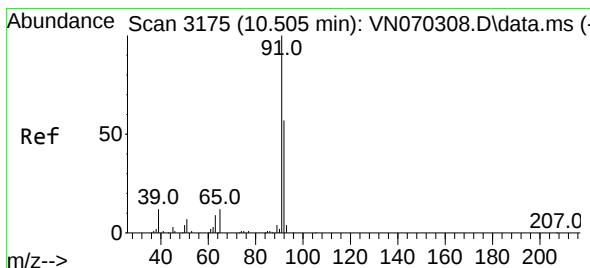
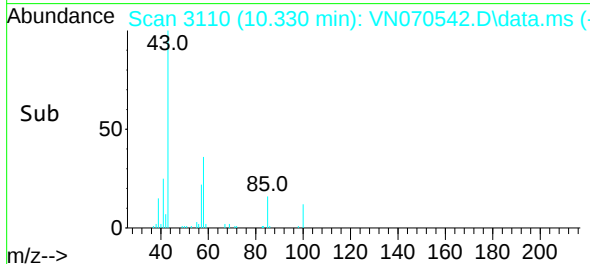
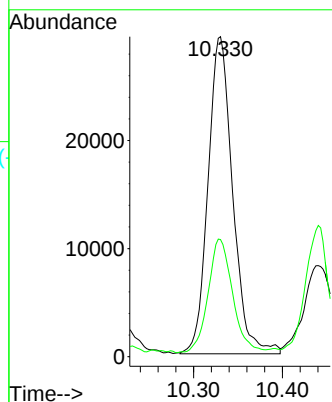
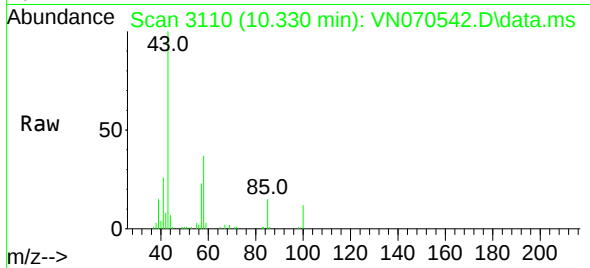




#51
4-Methyl-2-Pentanone
Concen: 2.353 ug/l m
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

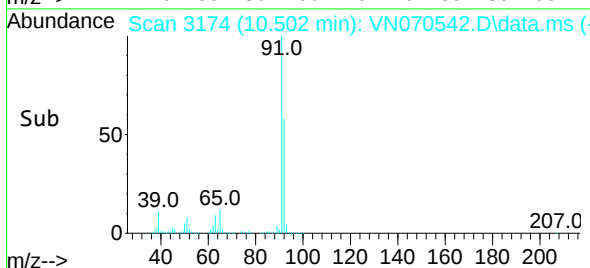
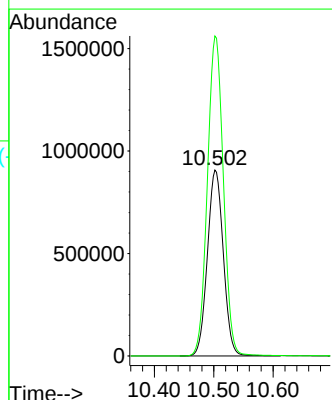
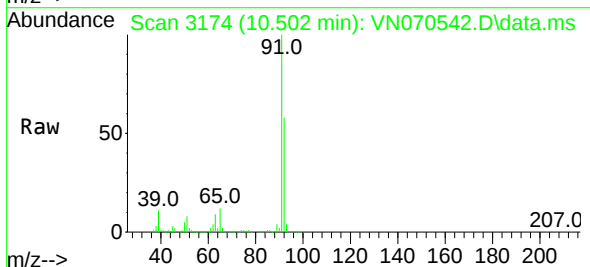
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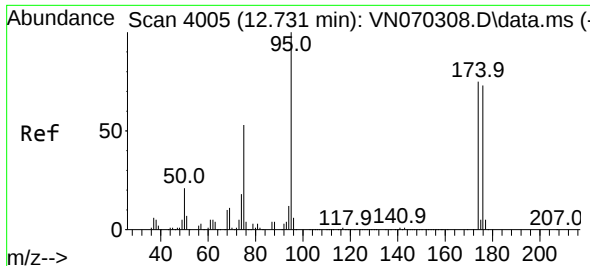
Tgt Ion: 43 Resp: 56762
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#52
Toluene
Concen: 48.328 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.003 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

Tgt Ion: 92 Resp: 1684694
Ion Ratio Lower Upper
92 100
91 172.8 142.0 213.0

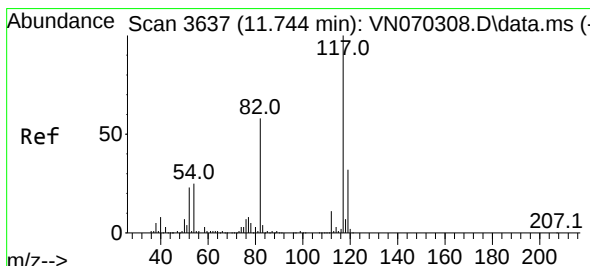
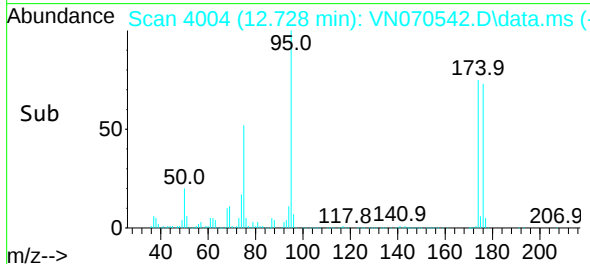
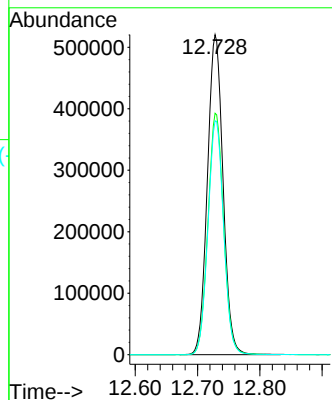
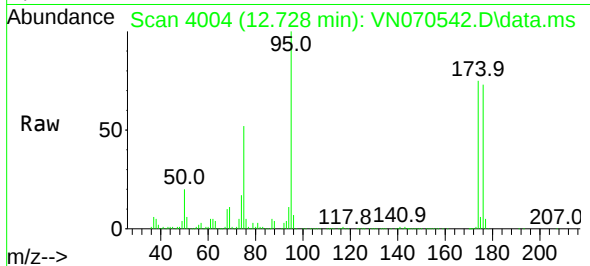




#62
4-Bromofluorobenzene
Concen: 54.043 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

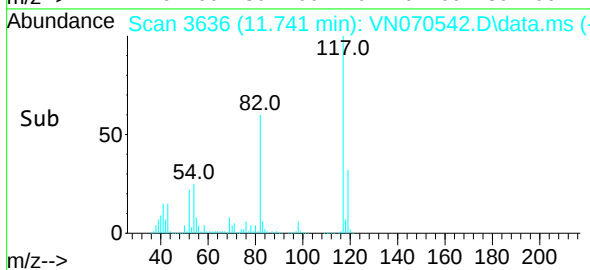
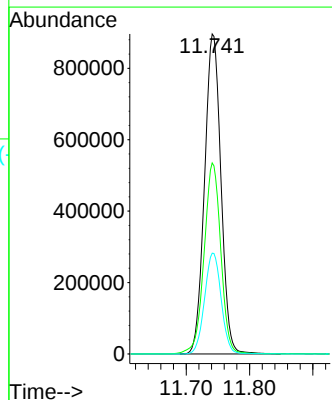
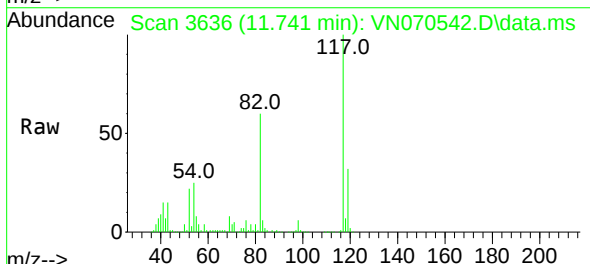
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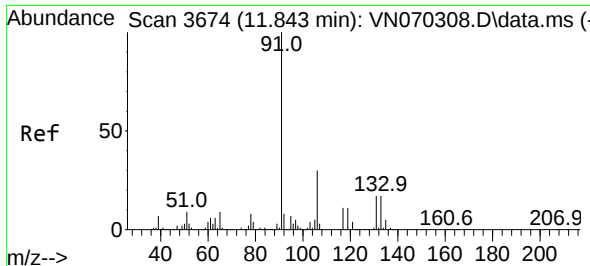
Tgt Ion: 95 Resp: 905469
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 73.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. -0.003 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

Tgt Ion: 117 Resp: 1609583
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.5 25.4 38.2

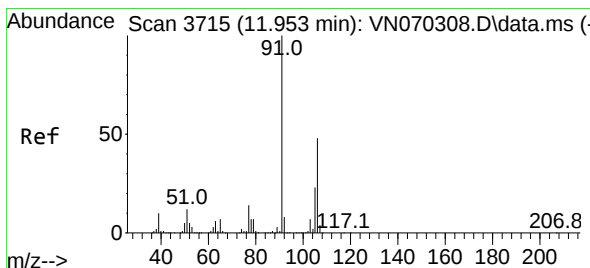
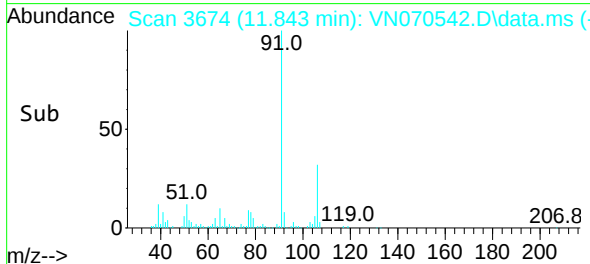
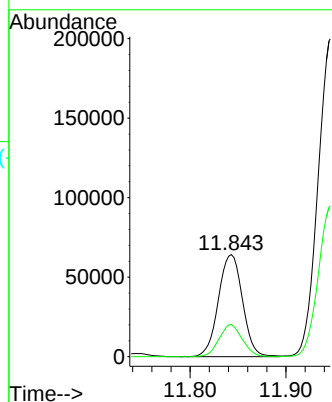
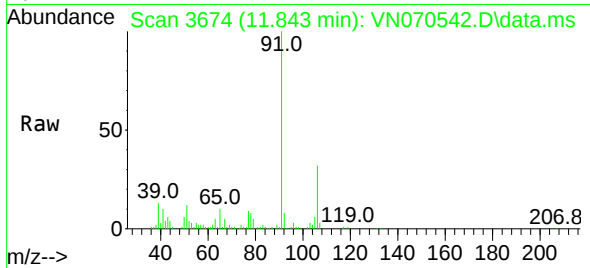




#67
Ethyl Benzene
Concen: 1.792 ug/l
RT: 11.843 min Scan# 31279
Delta R.T. -0.000 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

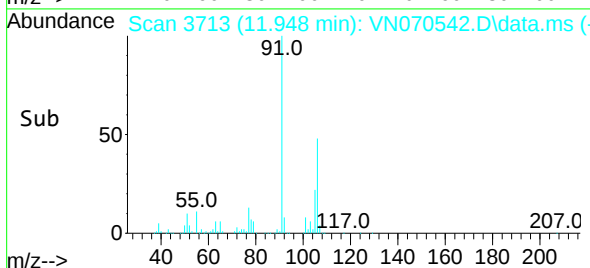
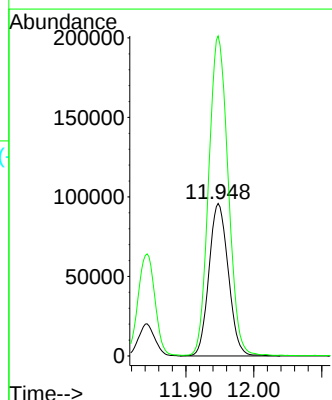
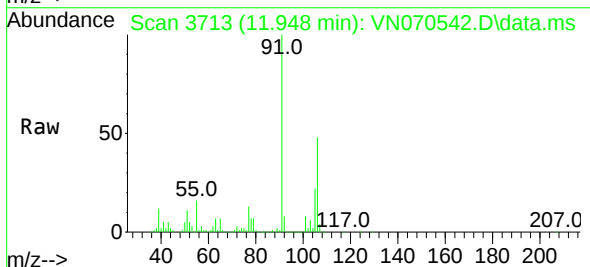
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31279

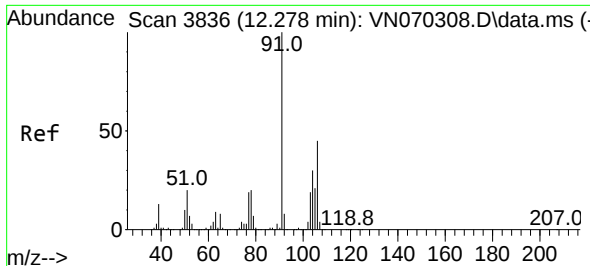
Tgt Ion: 91 Resp: 112123
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5



#68
m/p-Xylenes
Concen: 8.328 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.005 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

Tgt Ion:106 Resp: 189686
Ion Ratio Lower Upper
106 100
91 209.7 160.6 240.8

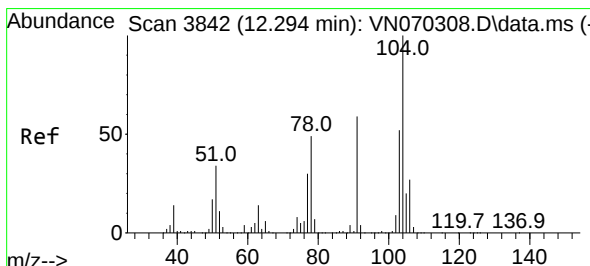
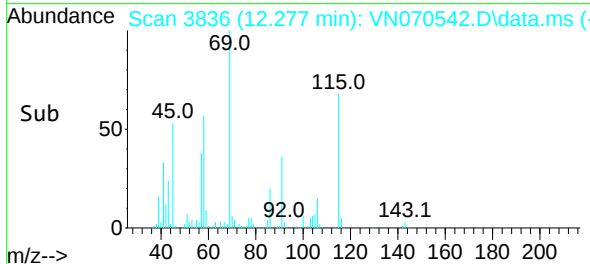
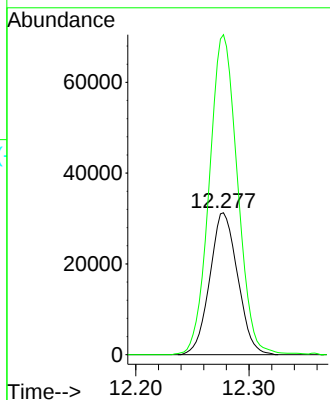
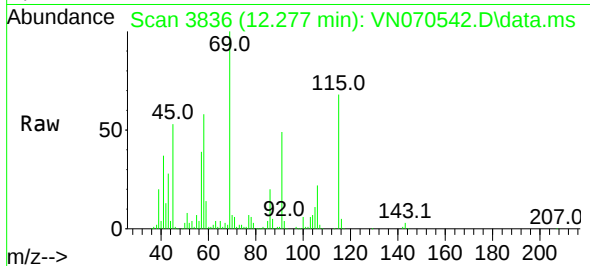




#69
o-Xylene
Concen: 2.359 ug/l
RT: 12.277 min Scan# 31279
Delta R.T. -0.001 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

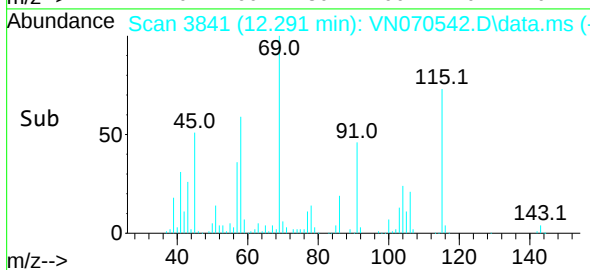
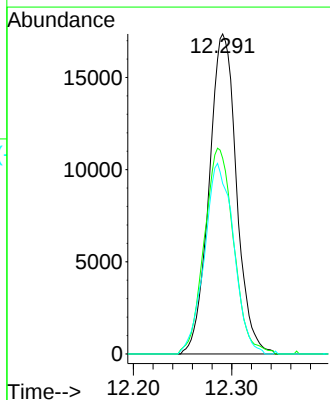
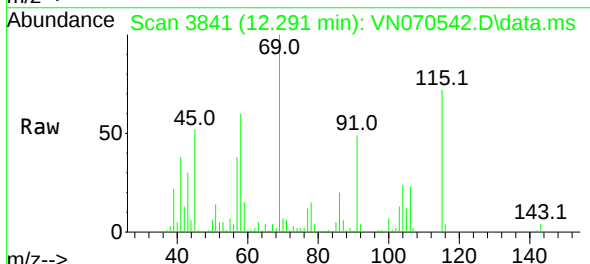
Instrument :
MSVOA_N
ClientSampleId :
31279

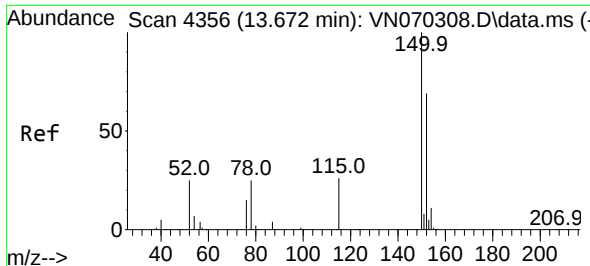
Tgt Ion:106 Resp: 53446
Ion Ratio Lower Upper
106 100
91 228.5 105.8 317.3



#70
Styrene
Concen: 0.938 ug/l
RT: 12.291 min Scan# 3841
Delta R.T. -0.003 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

Tgt Ion:104 Resp: 33630
Ion Ratio Lower Upper
104 100
78 68.8 38.7 58.1#
103 63.5 45.0 67.6

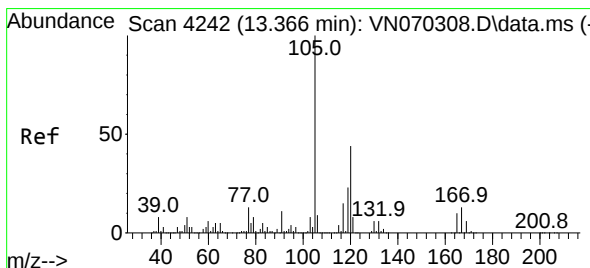
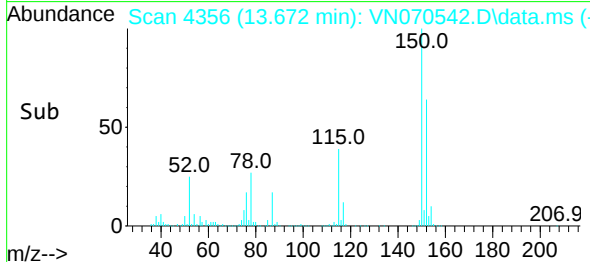
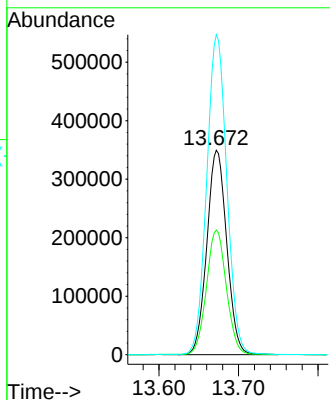
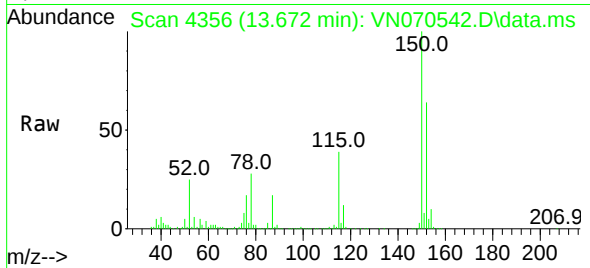




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.672 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070542.D
 Acq: 10 Jan 2022 14:47

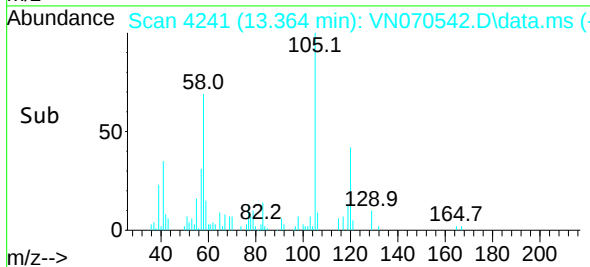
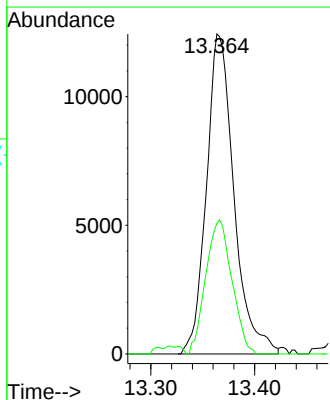
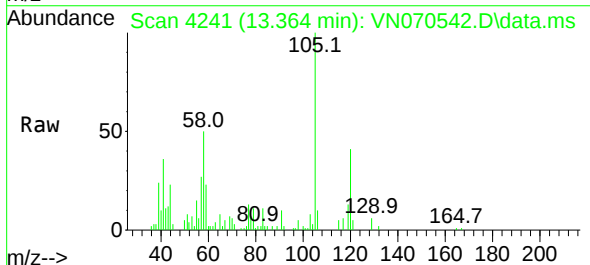
Instrument :
 MSVOA_N
 ClientSampleId :
 31279

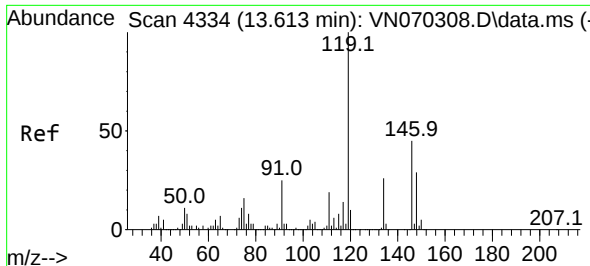
Tgt Ion:152 Resp: 608251
 Ion Ratio Lower Upper
 152 100
 115 60.9 27.5 82.5
 150 157.6 0.0 344.4



#84
 1,2,4-Trimethylbenzene
 Concen: 0.526 ug/l
 RT: 13.364 min Scan# 4241
 Delta R.T. -0.002 min
 Lab File: VN070542.D
 Acq: 10 Jan 2022 14:47

Tgt Ion:105 Resp: 22908
 Ion Ratio Lower Upper
 105 100
 120 39.8 22.8 68.4

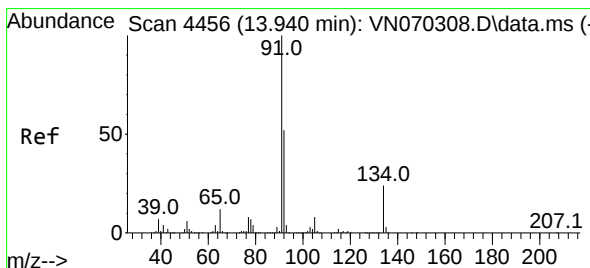
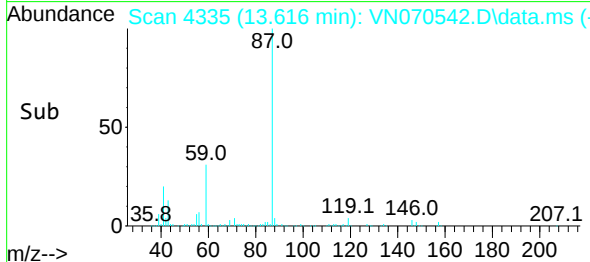
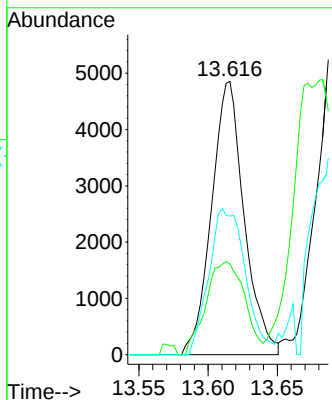
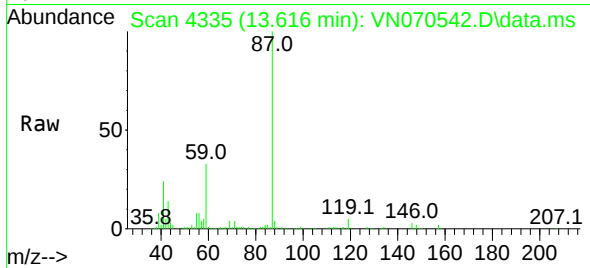




#87
1,3-Dichlorobenzene
Concen: 0.367 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.003 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

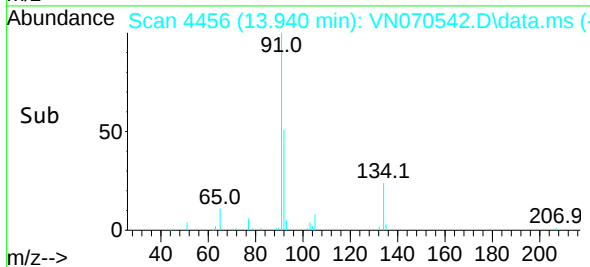
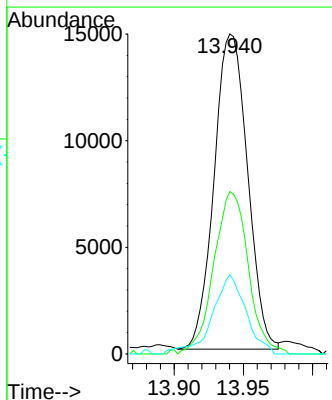
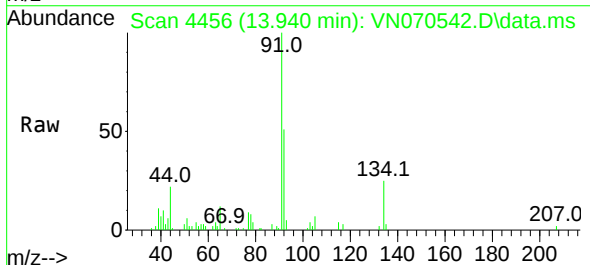
Instrument :
MSVOA_N
ClientSampleId :
31279

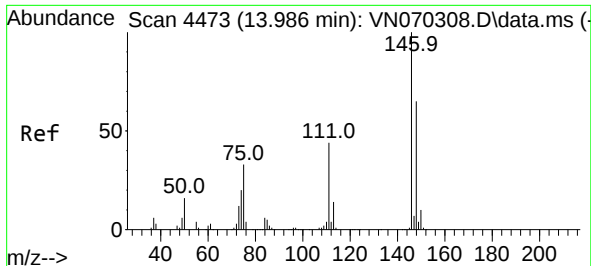
Tgt Ion:146 Resp: 7961
Ion Ratio Lower Upper
146 100
111 40.4 18.6 55.6
148 60.1 31.6 95.0



#89
n-Butylbenzene
Concen: 0.700 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. 0.000 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

Tgt Ion: 91 Resp: 24820
Ion Ratio Lower Upper
91 100
92 53.1 25.4 76.0
134 25.2 13.6 40.8





#91

1,2-Dichlorobenzene

Concen: 0.369 ug/l

RT: 13.986 min Scan# 4473

Delta R.T. -0.000 min

Lab File: VN070542.D

Acq: 10 Jan 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

31279

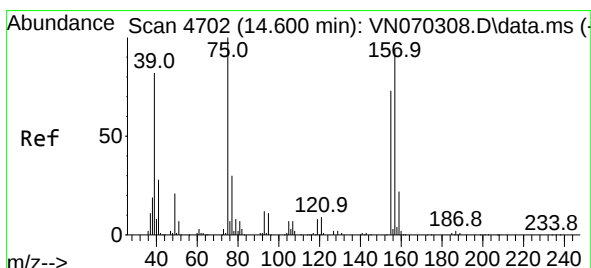
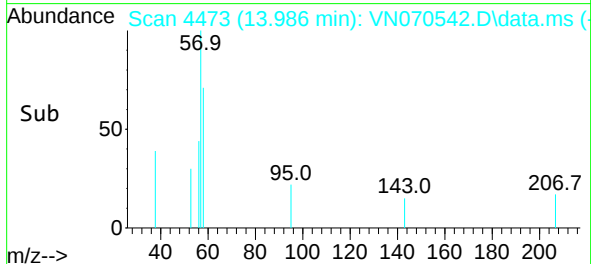
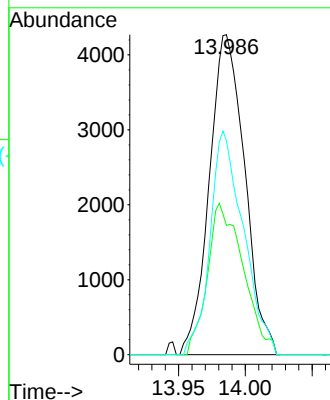
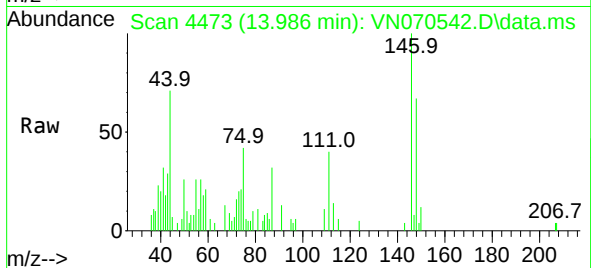
Tgt Ion:146 Resp: 7863

Ion Ratio Lower Upper

146 100

111 48.0 19.1 57.3

148 66.0 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.693 ug/l

RT: 14.597 min Scan# 4701

Delta R.T. -0.003 min

Lab File: VN070542.D

Acq: 10 Jan 2022 14:47

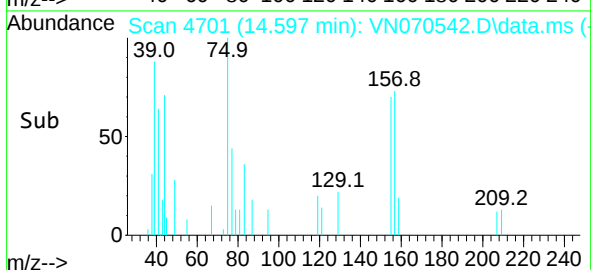
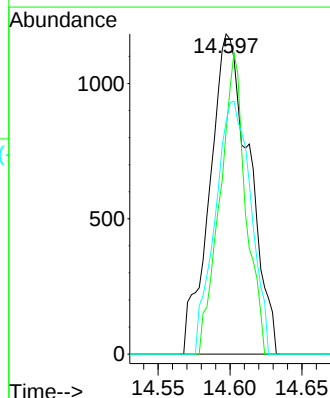
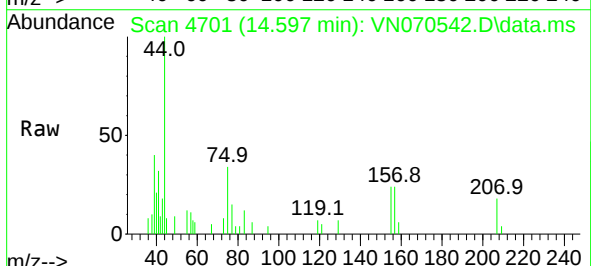
Tgt Ion: 75 Resp: 2266

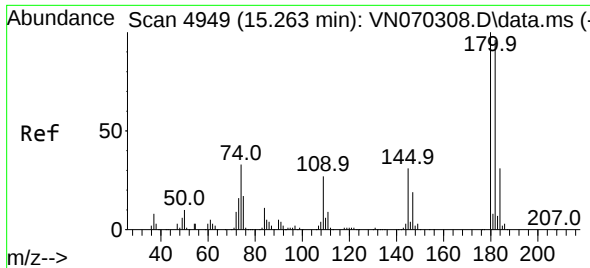
Ion Ratio Lower Upper

75 100

155 61.2 46.9 140.7

157 71.0 60.6 181.7

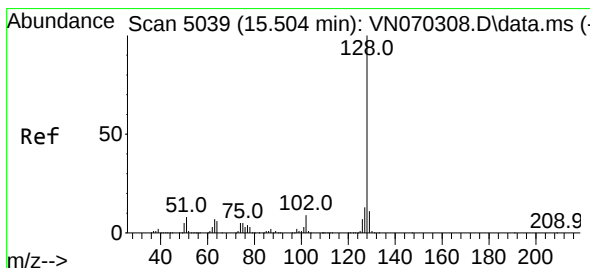
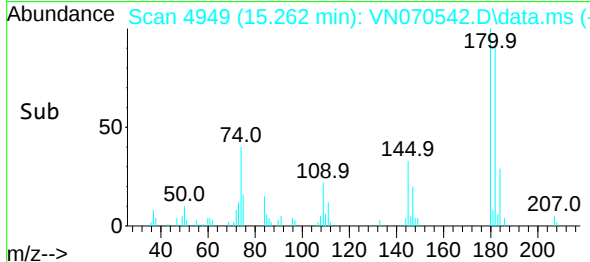
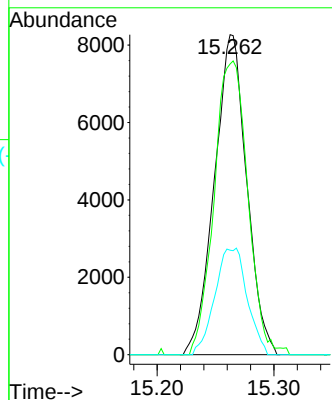
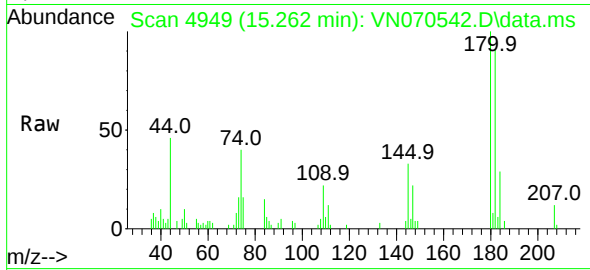




#93
1,2,4-Trichlorobenzene
Concen: 1.584 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.001 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

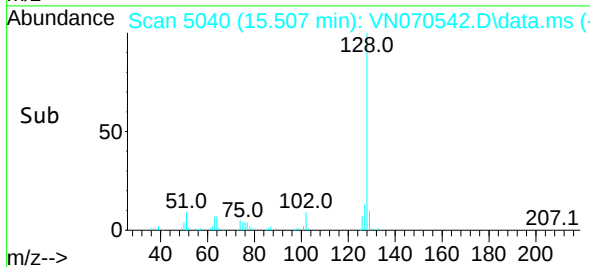
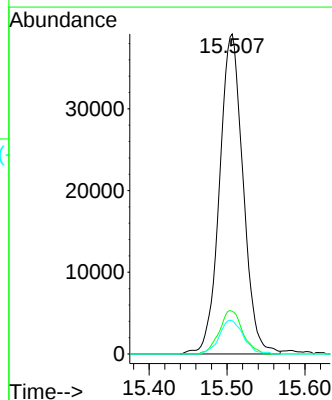
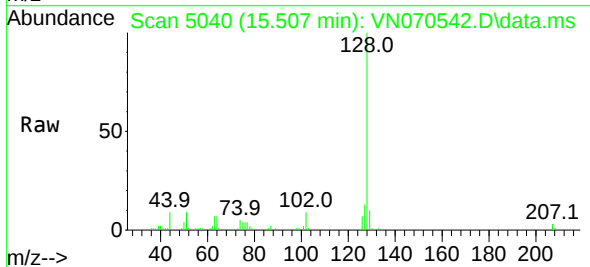
Instrument :
MSVOA_N
ClientSampleId :
31279

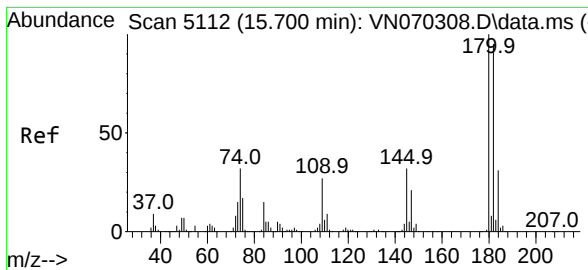
Tgt Ion:180 Resp: 15879
Ion Ratio Lower Upper
180 100
182 95.4 48.3 144.9
145 33.2 14.5 43.5



#95
Naphthalene
Concen: 4.657 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070542.D
Acq: 10 Jan 2022 14:47

Tgt Ion:128 Resp: 82230
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.696 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VN070542.D
 Acq: 10 Jan 2022 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 31279

Tgt Ion:180	Resp:	18235
Ion Ratio	Lower	Upper
180	100	
182	93.6	47.4 142.2
145	33.2	15.0 45.1

