

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070497.D
 Acq On : 5 Jan 2022 18:28
 Operator : JC/MD
 Sample : N1012-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20989

Quant Time: Jan 06 13:26:38 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)

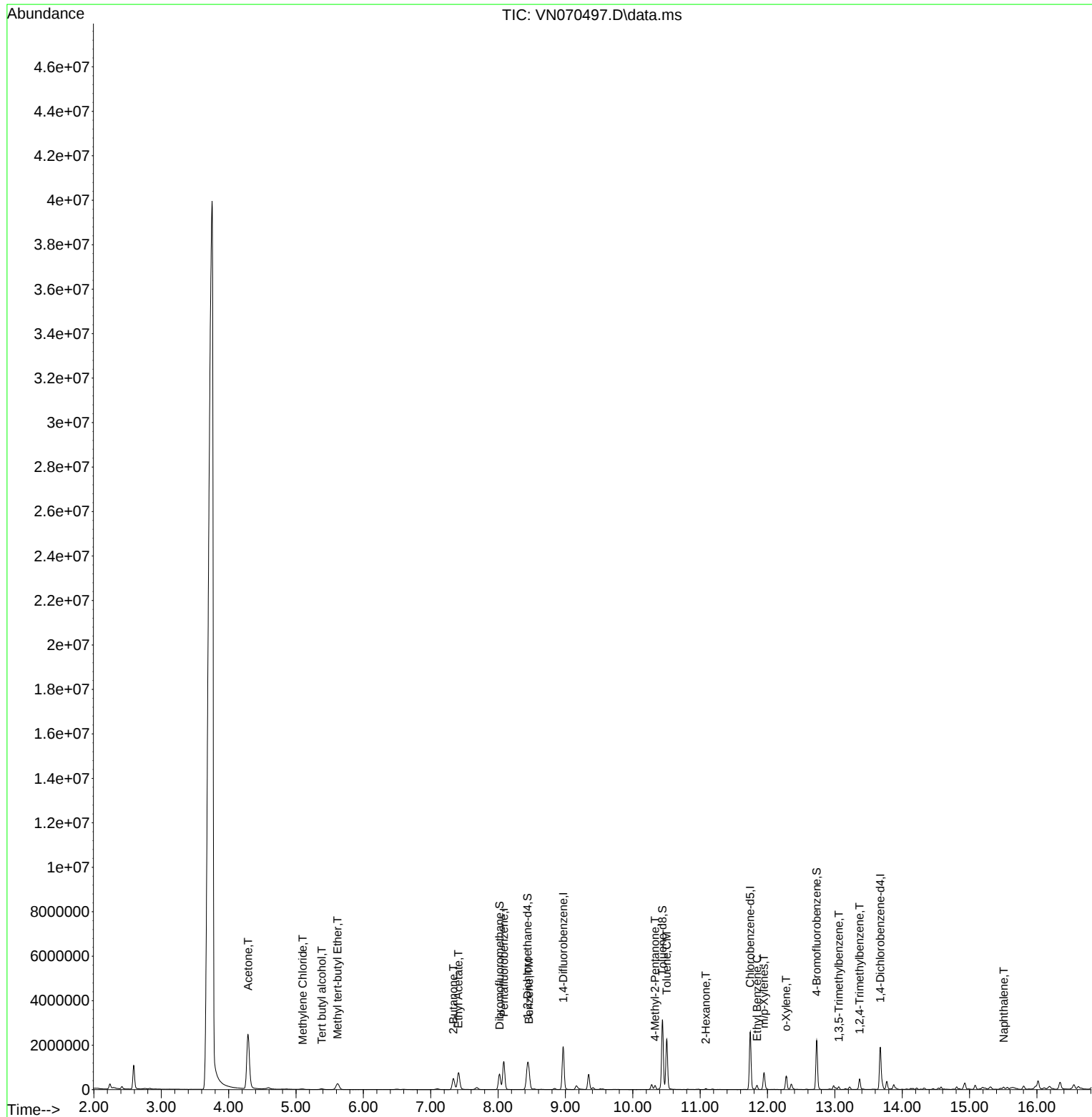
Internal Standards						
1) Pentafluorobenzene	8.086	168	973017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1650722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1491029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	526731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	749896	53.602	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 107.200%		
35) Dibromofluoromethane	8.021	113	517604	51.824	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 103.640%		
50) Toluene-d8	10.440	98	2151836	52.740	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 105.480%		
62) 4-Bromofluorobenzene	12.731	95	799887	54.280	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 108.560%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.382	59	53675	23.042	ug/l	99
16) Acetone	4.288	43	4581098	504.428	ug/l	98
19) Methyl tert-butyl Ether	5.615	73	407444	11.071	ug/l	93
20) Methylene Chloride	5.098	84	14007	1.115	ug/l #	85
25) 2-Butanone	7.337	43	833529	72.892	ug/l	91
37) Ethyl Acetate	7.412	43	1208148m	56.412	ug/l	
40) Benzene	8.458	78	651500	12.862	ug/l	99
51) 4-Methyl-2-Pentanone	10.330	43	131993	6.221	ug/l	96
52) Toluene	10.505	92	976087	31.836	ug/l	98
59) 2-Hexanone	11.084	43	31387	2.029	ug/l	93
67) Ethyl Benzene	11.843	91	126714	2.186	ug/l	95
68) m/p-Xylenes	11.948	106	234860	11.131	ug/l	92
69) o-Xylene	12.277	106	161789	7.709	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	59711	1.523	ug/l	100
84) 1,2,4-Trimethylbenzene	13.366	105	277736	7.358	ug/l	98
95) Naphthalene	15.507	128	79391	4.986	ug/l #	96

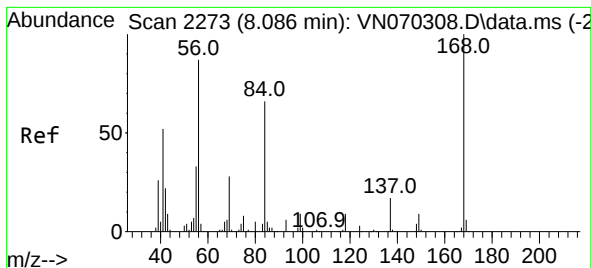
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN070497.D

Acq: 5 Jan 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

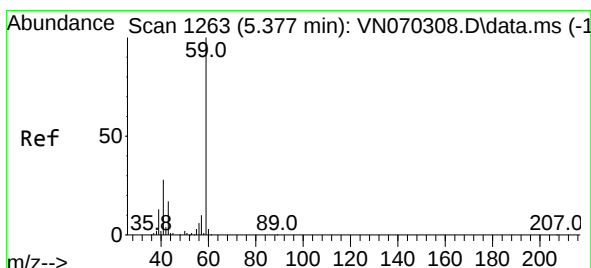
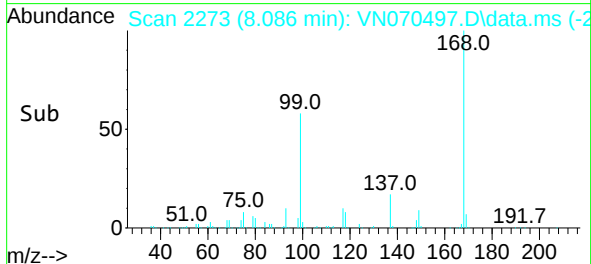
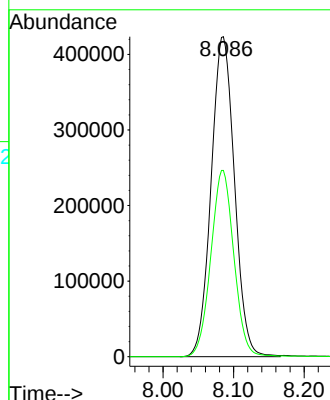
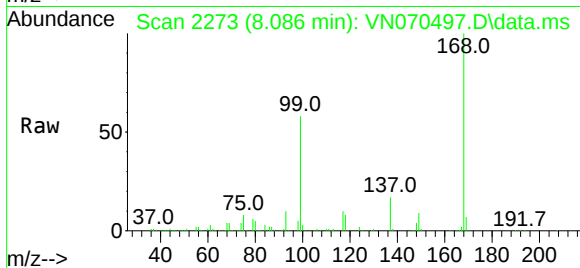
20989

Tgt Ion:168 Resp: 973017

Ion Ratio Lower Upper

168 100

99 58.2 41.3 61.9



#11

Tert butyl alcohol

Concen: 23.042 ug/l

RT: 5.382 min Scan# 1265

Delta R.T. 0.005 min

Lab File: VN070497.D

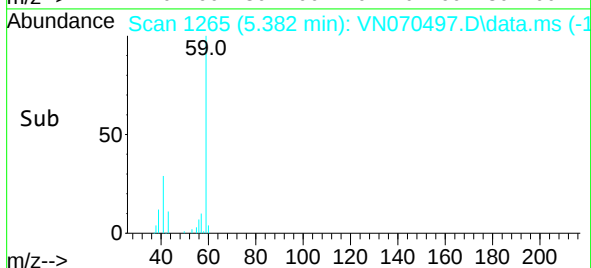
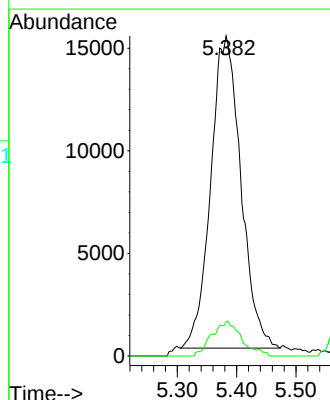
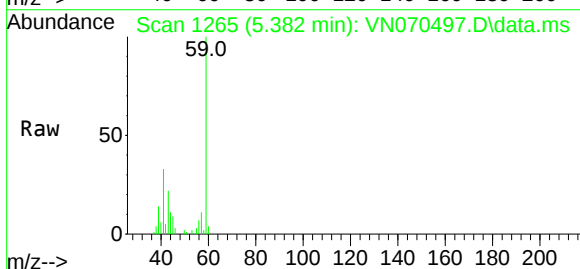
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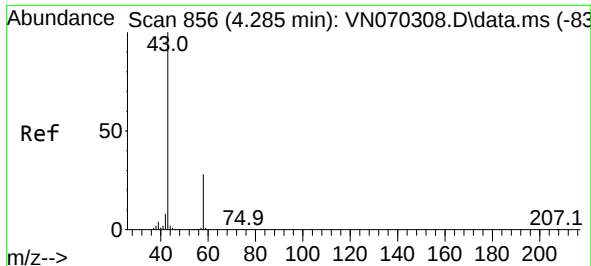
Tgt Ion: 59 Resp: 53675

Ion Ratio Lower Upper

59 100

57 10.5 8.7 13.1

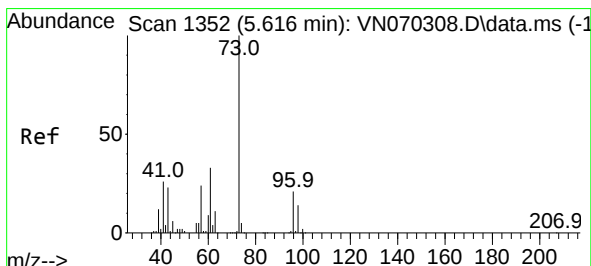
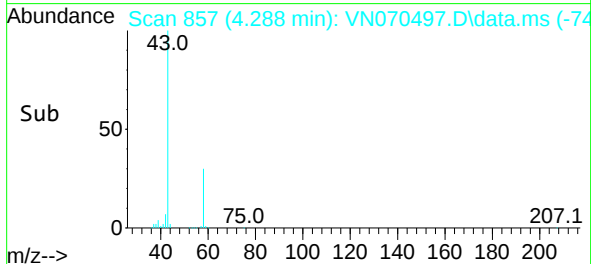
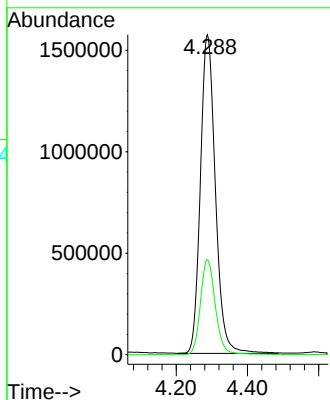
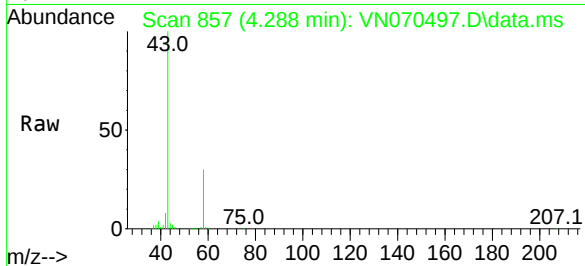




#16
Acetone
Concen: 504.428 ug/l
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

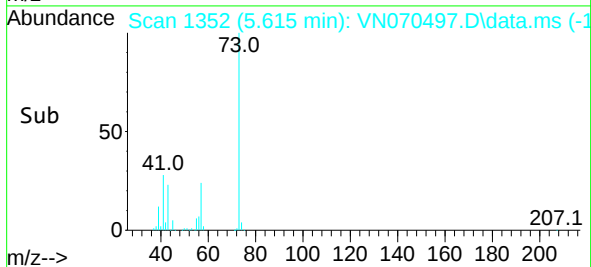
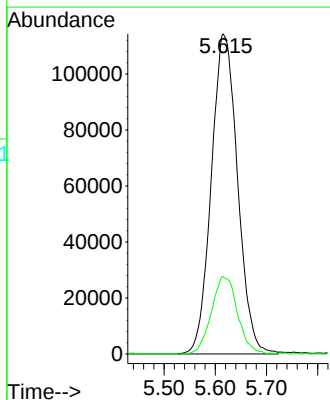
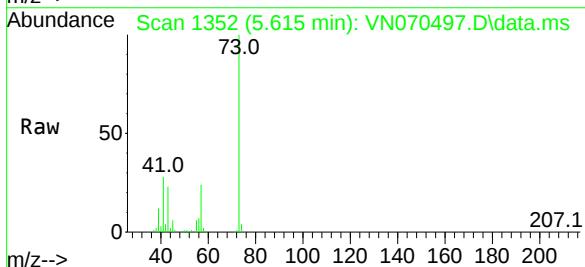
Instrument :
MSVOA_N
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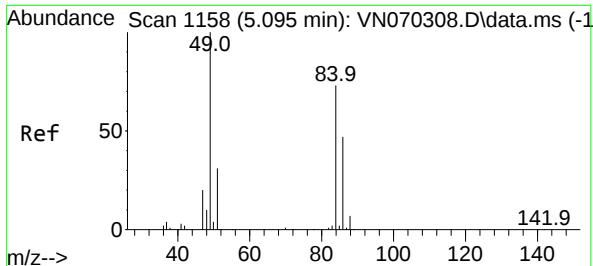
Tgt Ion: 43 Resp: 4581098
Ion Ratio Lower Upper
43 100
58 29.8 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 11.071 ug/l
RT: 5.615 min Scan# 1352
Delta R.T. -0.001 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

Tgt Ion: 73 Resp: 407444
Ion Ratio Lower Upper
73 100
57 24.1 16.8 25.2

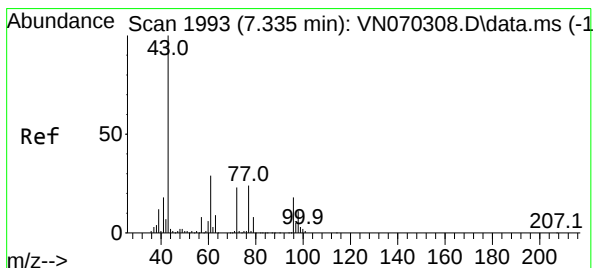
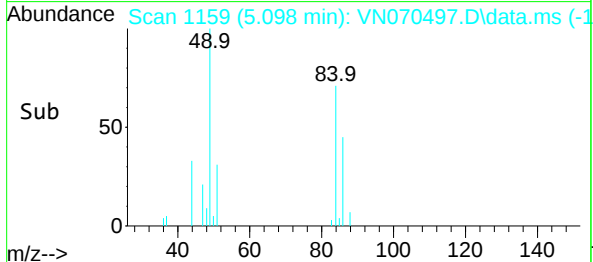
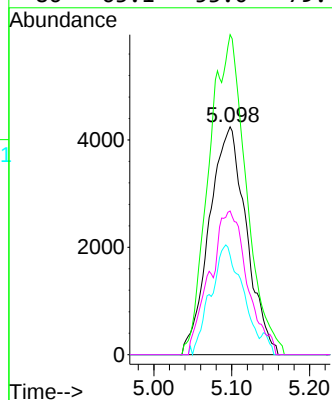
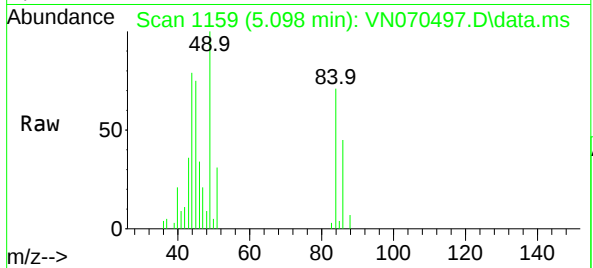




#20
Methylene Chloride
Concen: 1.115 ug/l
RT: 5.098 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

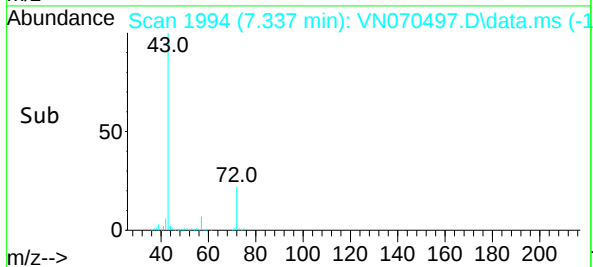
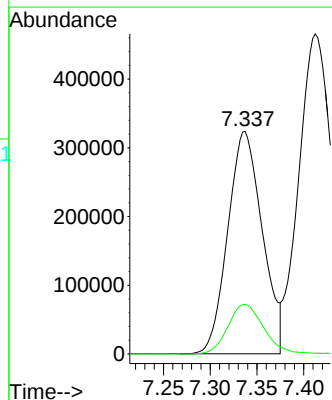
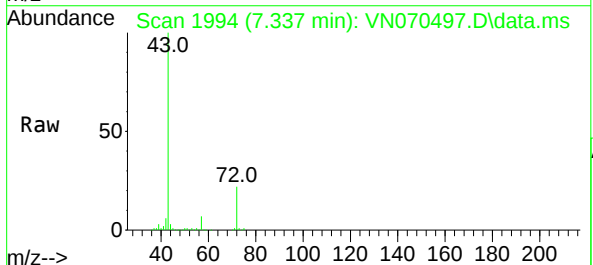
Instrument :
MSVOA_N
ClientSampleId :
20989

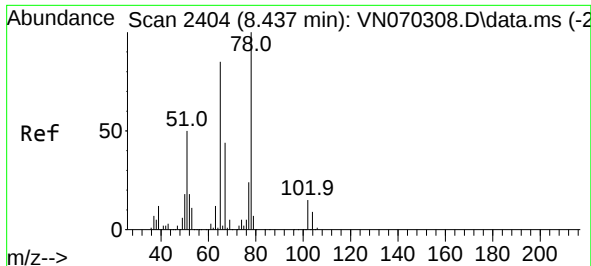
Tgt Ion:	84	Resp:	14007
Ion	Ratio	Lower	Upper
84	100		
49	140.5	93.5	140.3#
51	43.5	29.4	44.2
86	63.1	53.0	79.4



#25
2-Butanone
Concen: 72.892 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.002 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

Tgt Ion:	43	Resp:	833529
Ion	Ratio	Lower	Upper
43	100		
72	22.3	21.7	32.5





#33

1,2-Dichloroethane-d4

Concen: 53.602 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070497.D

Acq: 5 Jan 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

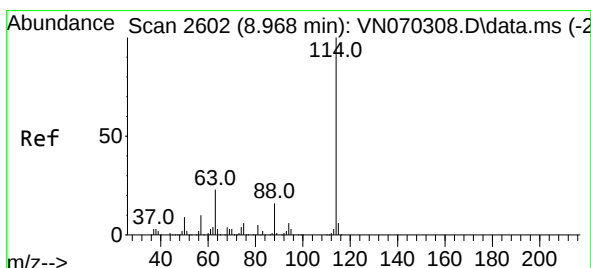
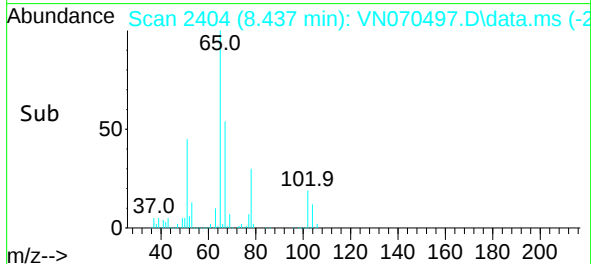
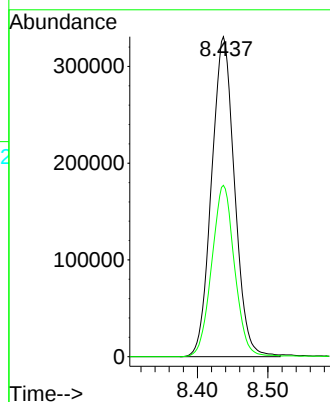
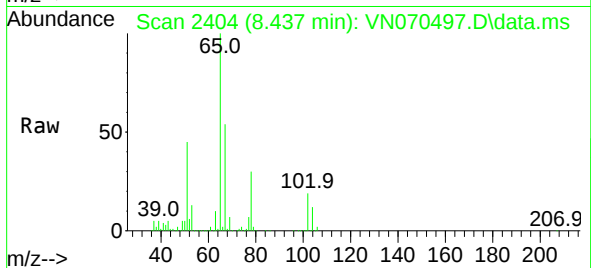
20989

Tgt Ion: 65 Resp: 749896

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070497.D

Acq: 5 Jan 2022 18:28

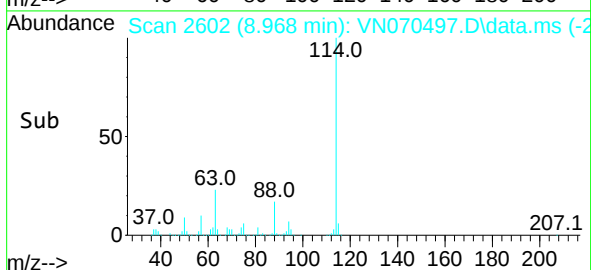
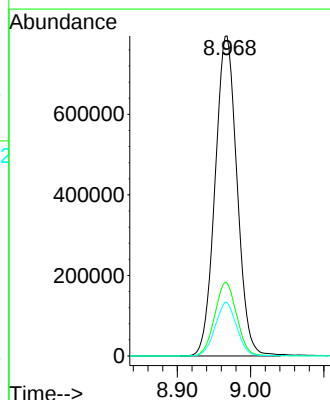
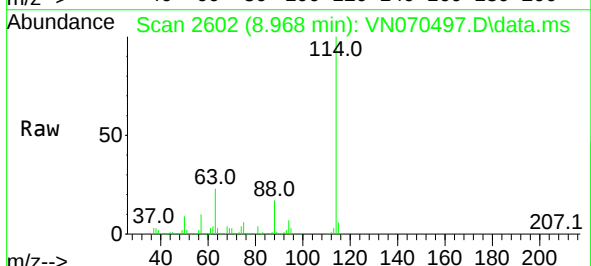
Tgt Ion: 114 Resp: 1650722

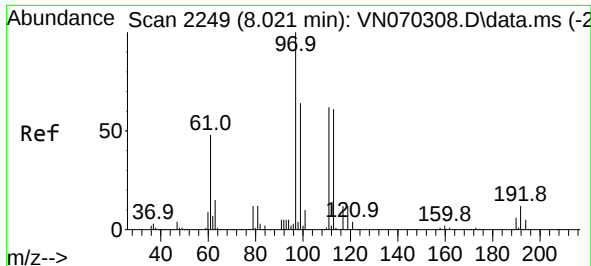
Ion Ratio Lower Upper

114 100

63 22.8 0.0 37.8

88 16.7 0.0 27.4

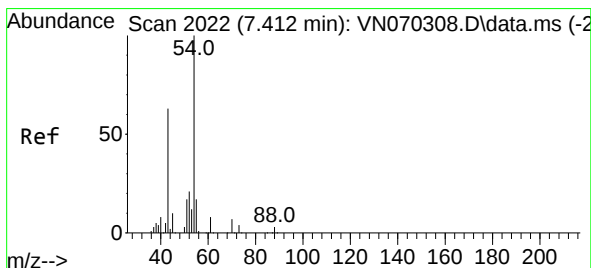
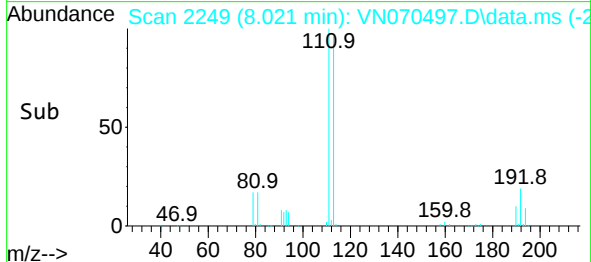
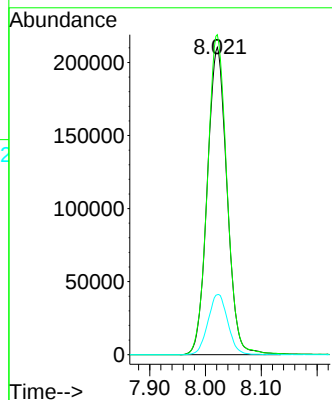
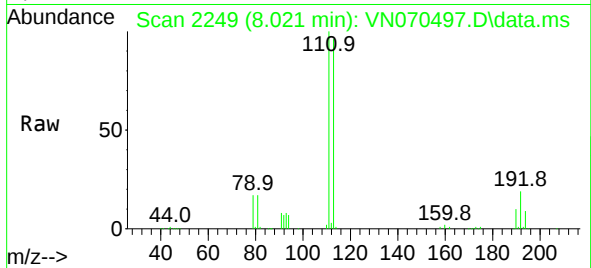




#35
 Dibromofluoromethane
 Concen: 51.824 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN070497.D
 Acq: 5 Jan 2022 18:28

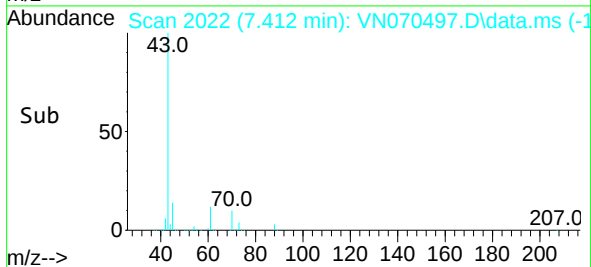
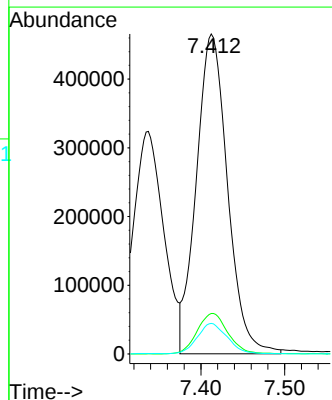
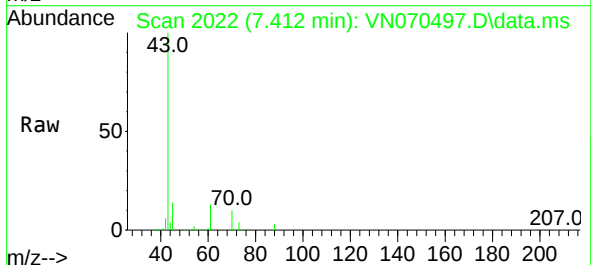
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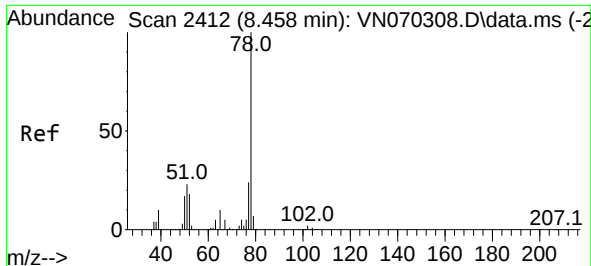
Tgt Ion:113 Resp: 517604
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.2
 192 19.6 16.9 25.3



#37
 Ethyl Acetate
 Concen: 56.412 ug/l m
 RT: 7.412 min Scan# 2022
 Delta R.T. 0.000 min
 Lab File: VN070497.D
 Acq: 5 Jan 2022 18:28

Tgt Ion: 43 Resp: 1208148
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 7.9 11.9#

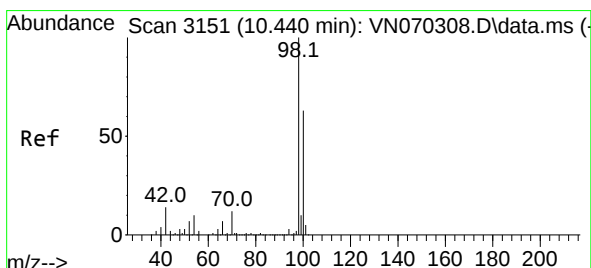
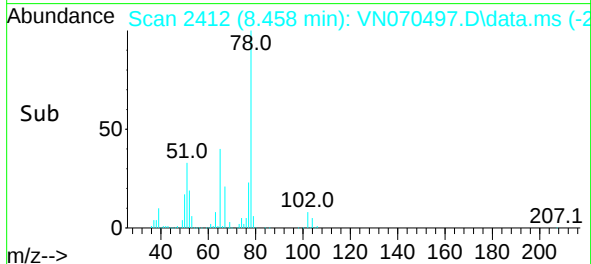
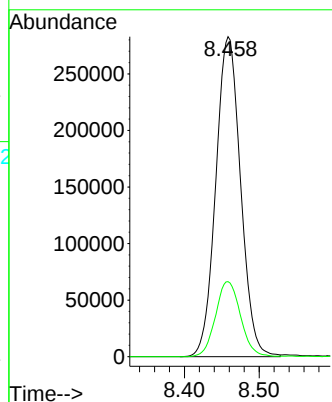
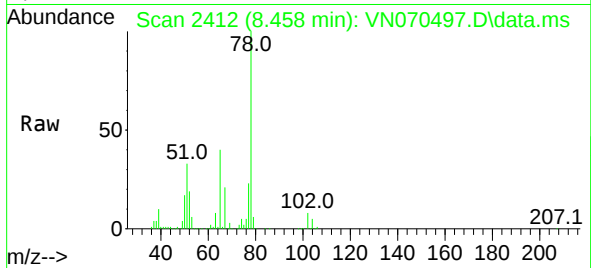




#40
Benzene
Concen: 12.862 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. 0.000 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

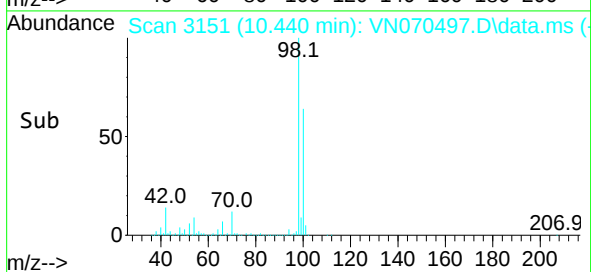
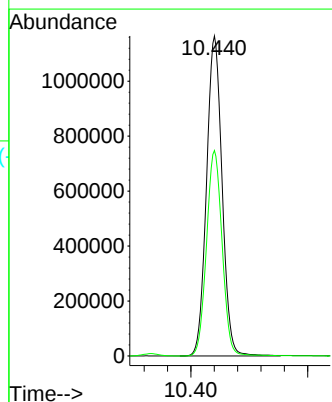
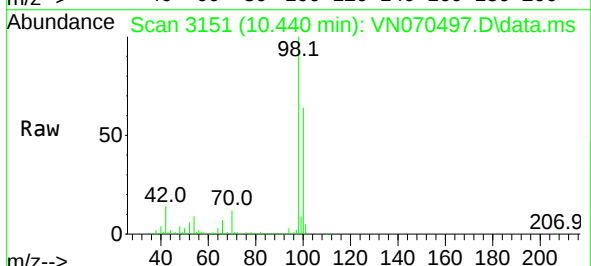
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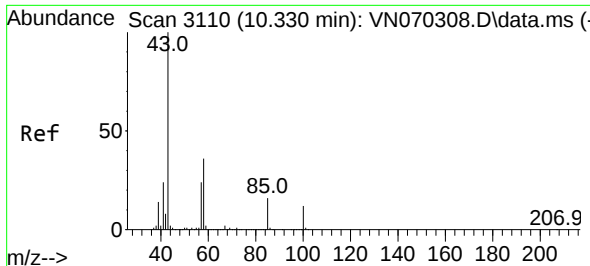
Tgt Ion: 78 Resp: 651500
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8



#50
Toluene-d8
Concen: 52.740 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

Tgt Ion: 98 Resp: 2151836
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6

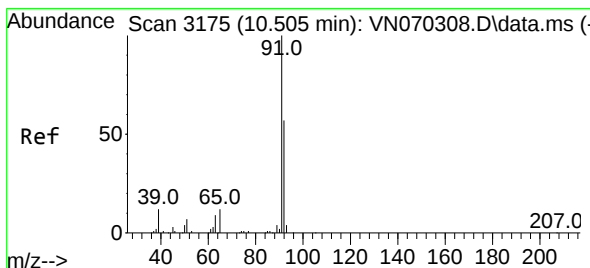
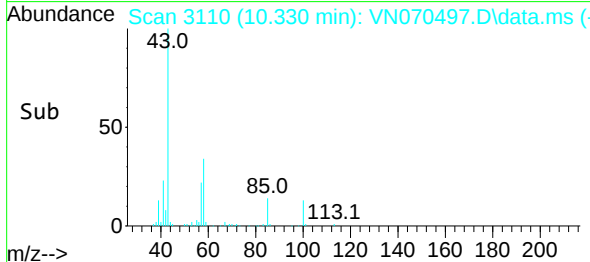
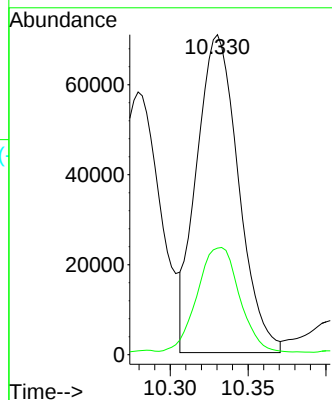
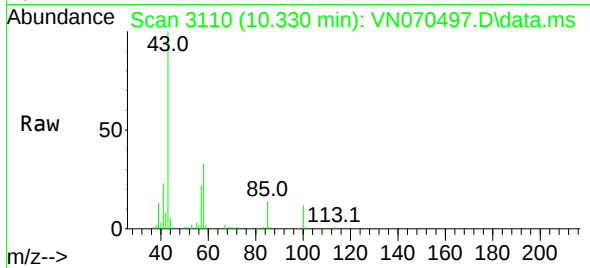




#51
4-Methyl-2-Pentanone
Concen: 6.221 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

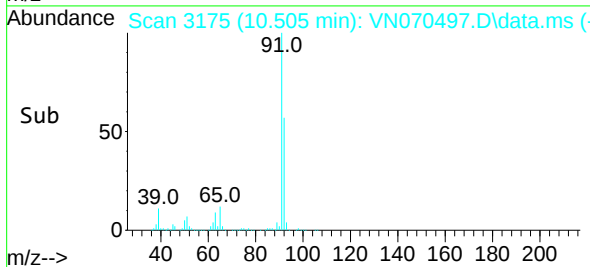
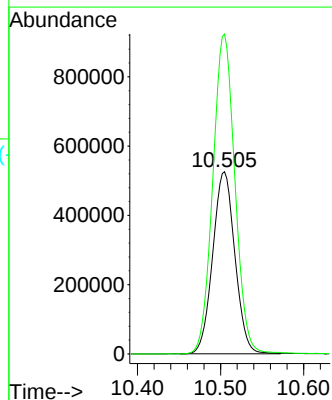
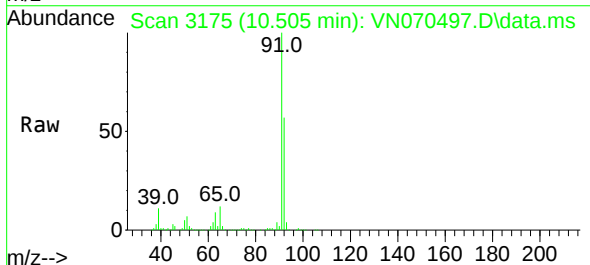
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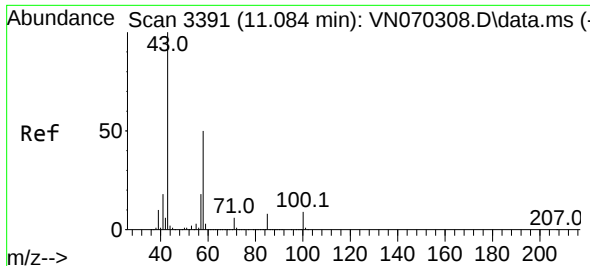
Tgt Ion: 43 Resp: 131993
Ion Ratio Lower Upper
43 100
58 35.7 30.4 45.6



#52
Toluene
Concen: 31.836 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

Tgt Ion: 92 Resp: 976087
Ion Ratio Lower Upper
92 100
91 175.2 142.0 213.0

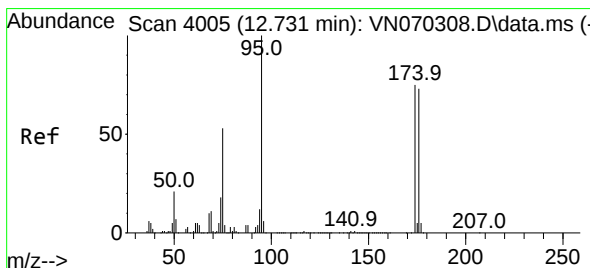
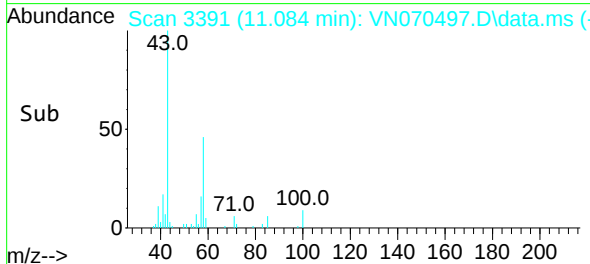
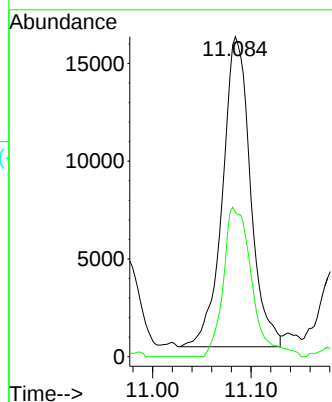
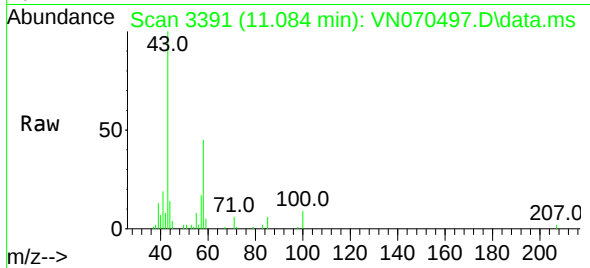




#59
2-Hexanone
Concen: 2.029 ug/l
RT: 11.084 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

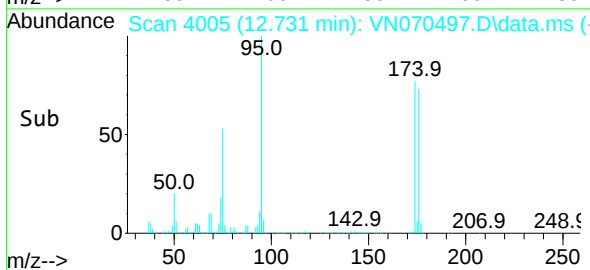
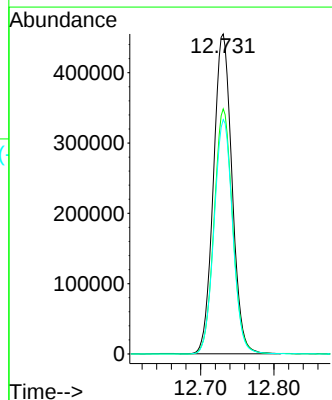
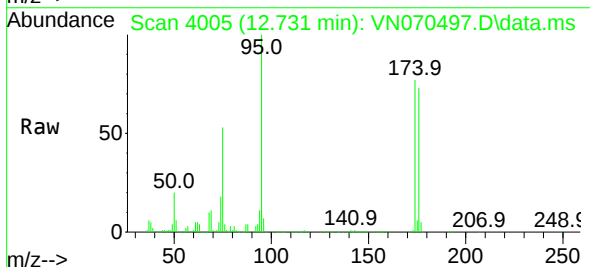
Instrument :
MSVOA_N
ClientSampleId :
20989

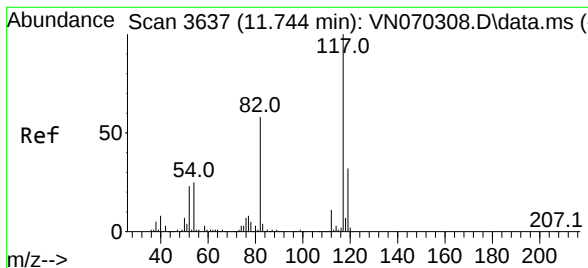
Tgt Ion: 43 Resp: 31387
Ion Ratio Lower Upper
43 100
58 48.8 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 54.280 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

Tgt Ion: 95 Resp: 799887
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.5 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: VN070497.D

Acq: 5 Jan 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

20989

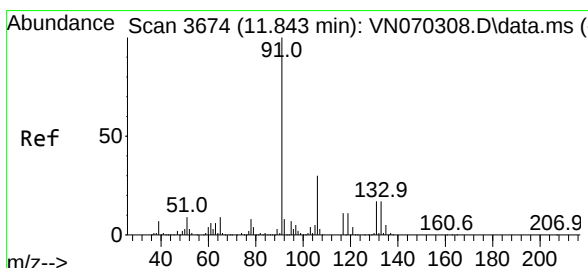
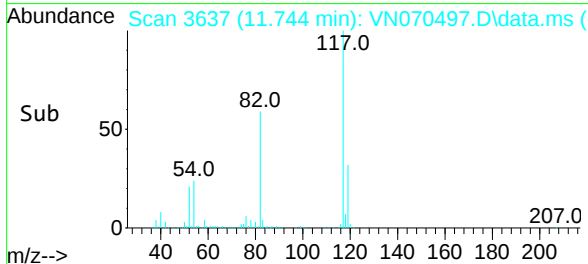
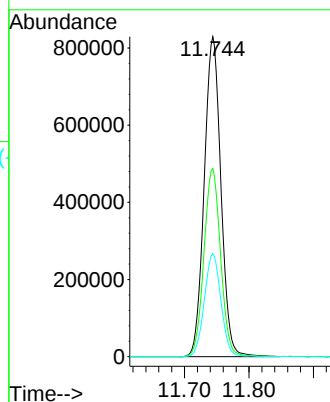
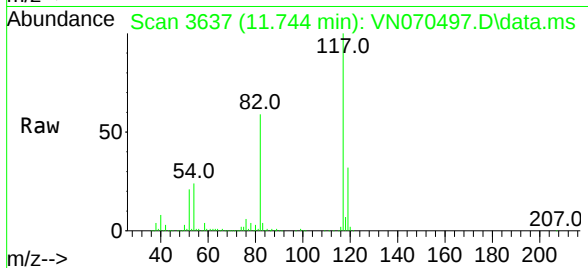
Tgt Ion:117 Resp: 1491029

Ion Ratio Lower Upper

117 100

82 58.8 42.4 63.6

119 32.2 25.4 38.2



#67

Ethyl Benzene

Concen: 2.186 ug/l

RT: 11.843 min Scan# 3674

Delta R.T. -0.000 min

Lab File: VN070497.D

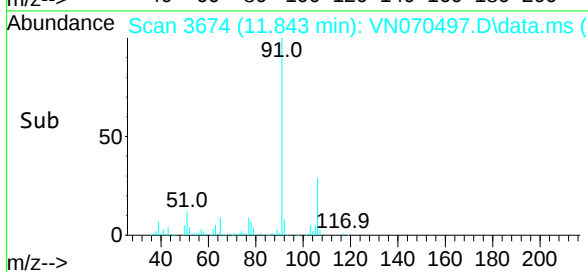
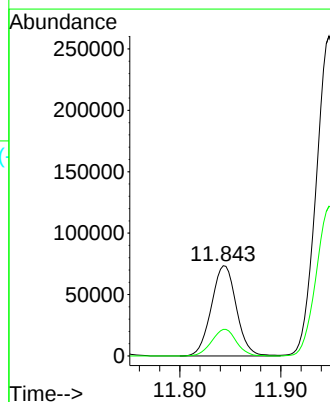
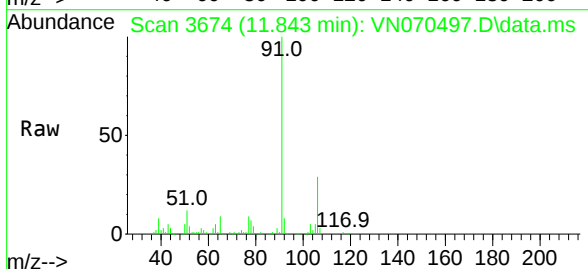
Acq: 5 Jan 2022 18:28

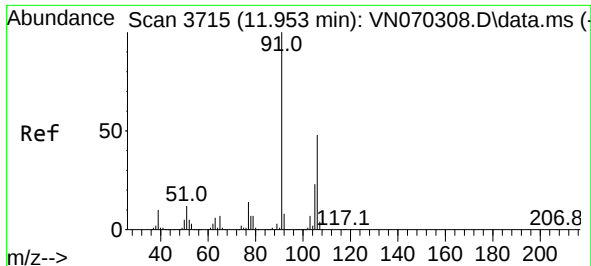
Tgt Ion: 91 Resp: 126714

Ion Ratio Lower Upper

91 100

106 29.4 25.7 38.5

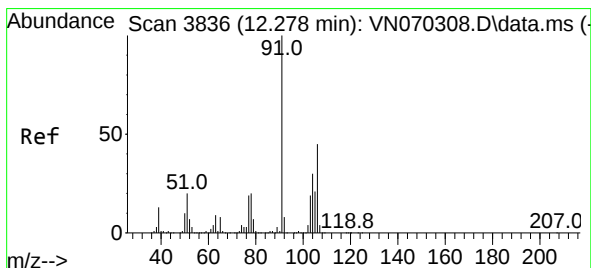
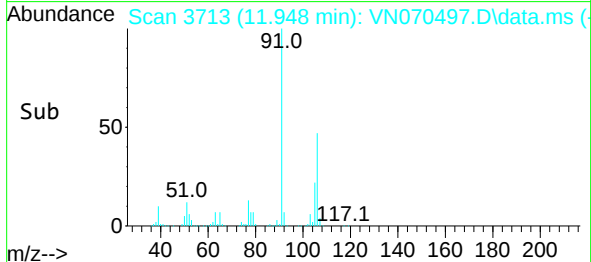
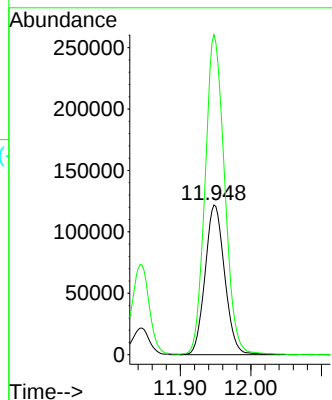
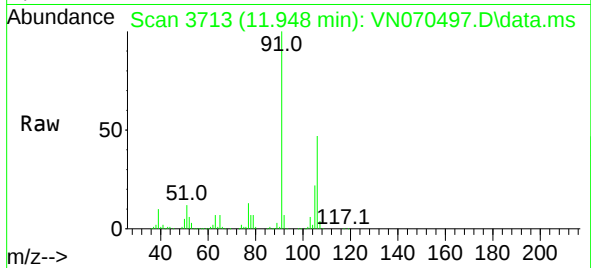




#68
m/p-Xylenes
Concen: 11.131 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.005 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

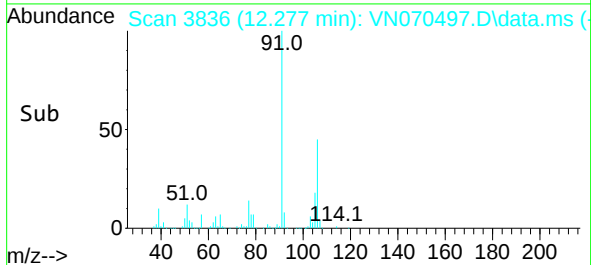
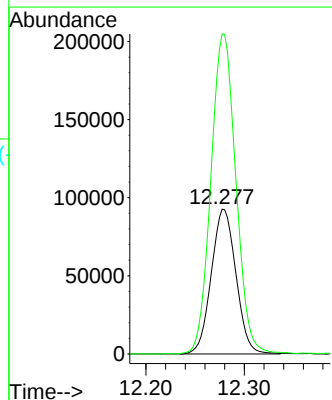
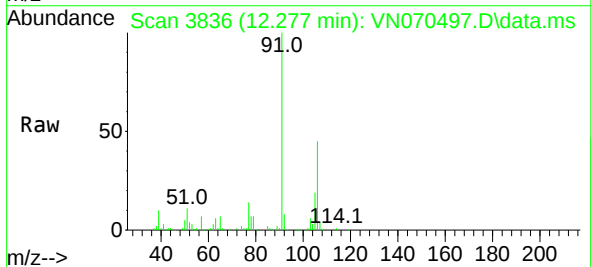
Instrument :
MSVOA_N
ClientSampleId :
20989

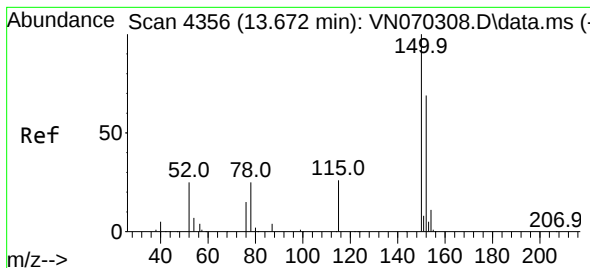
Tgt Ion:106 Resp: 234860
Ion Ratio Lower Upper
106 100
91 213.0 160.6 240.8



#69
o-Xylene
Concen: 7.709 ug/l
RT: 12.277 min Scan# 3836
Delta R.T. -0.001 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

Tgt Ion:106 Resp: 161789
Ion Ratio Lower Upper
106 100
91 224.4 105.8 317.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 41

Delta R.T. 0.003 min

Lab File: VN070497.D

Acq: 5 Jan 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

20989

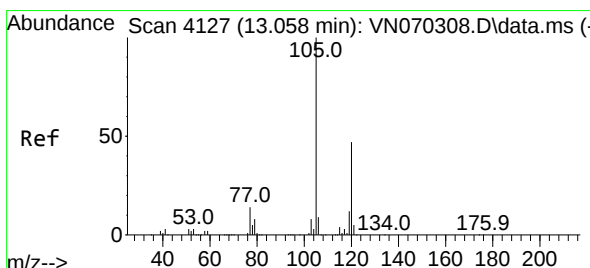
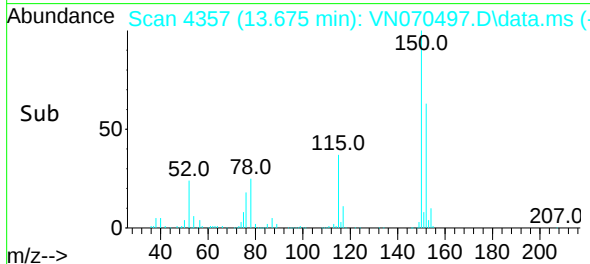
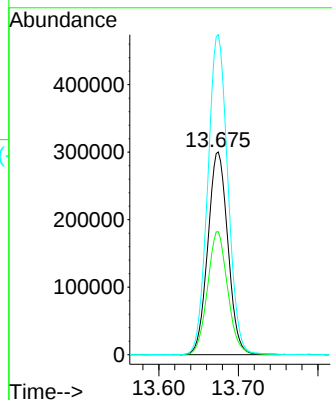
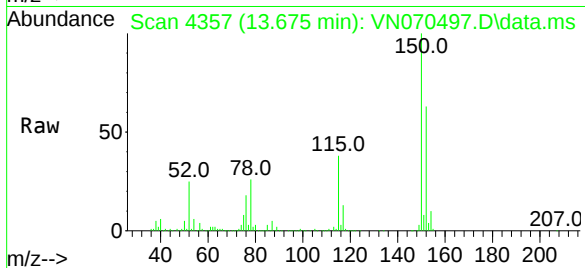
Tgt Ion:152 Resp: 526731

Ion Ratio Lower Upper

152 100

115 61.0 27.5 82.5

150 158.2 0.0 344.4



#80

1,3,5-Trimethylbenzene

Concen: 1.523 ug/l

RT: 13.058 min Scan# 4127

Delta R.T. -0.000 min

Lab File: VN070497.D

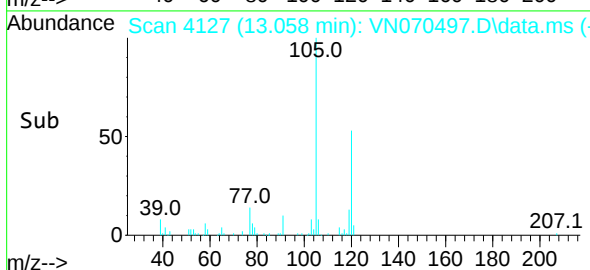
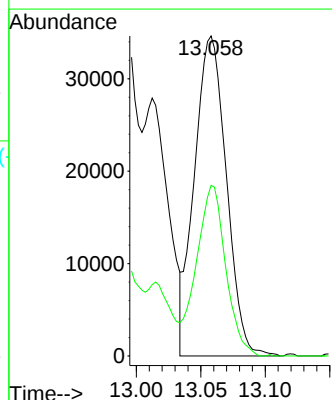
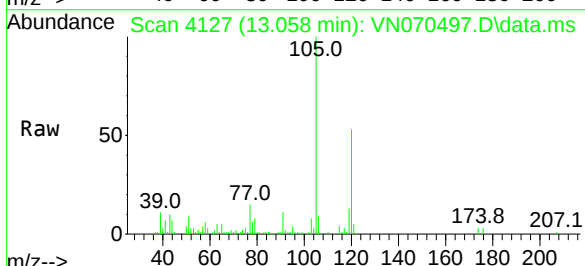
Acq: 5 Jan 2022 18:28

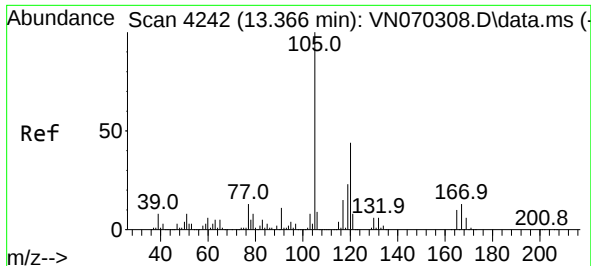
Tgt Ion:105 Resp: 59711

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.6

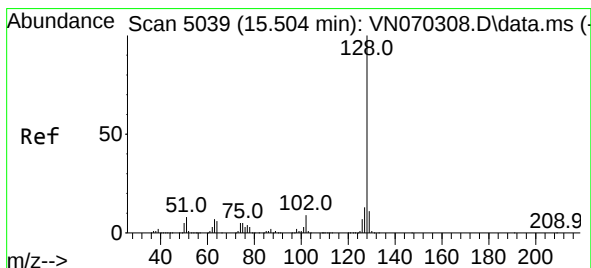
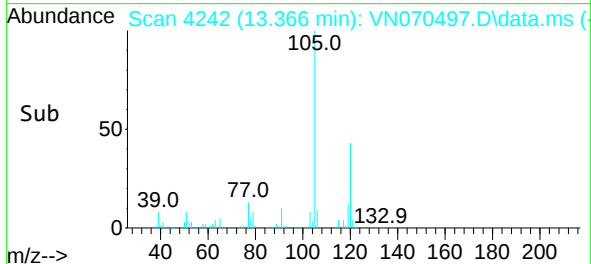
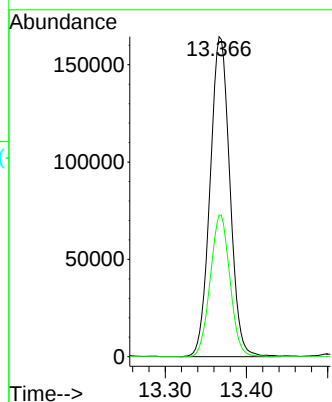
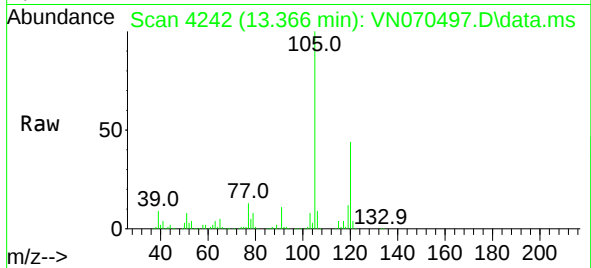




#84
1,2,4-Trimethylbenzene
Concen: 7.358 ug/l
RT: 13.366 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

Instrument :
MSVOA_N
ClientSampleId :
20989

Tgt Ion:105 Resp: 277736
Ion Ratio Lower Upper
105 100
120 44.0 22.8 68.4



#95
Naphthalene
Concen: 4.986 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070497.D
Acq: 5 Jan 2022 18:28

Tgt Ion:128 Resp: 79391
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 8.5 8.7 13.1#

