

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
 Data File : VN070884.D
 Acq On : 1 Feb 2022 20:43
 Operator : JC/MD
 Sample : N1342-21
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31538

Quant Time: Feb 02 00:39:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

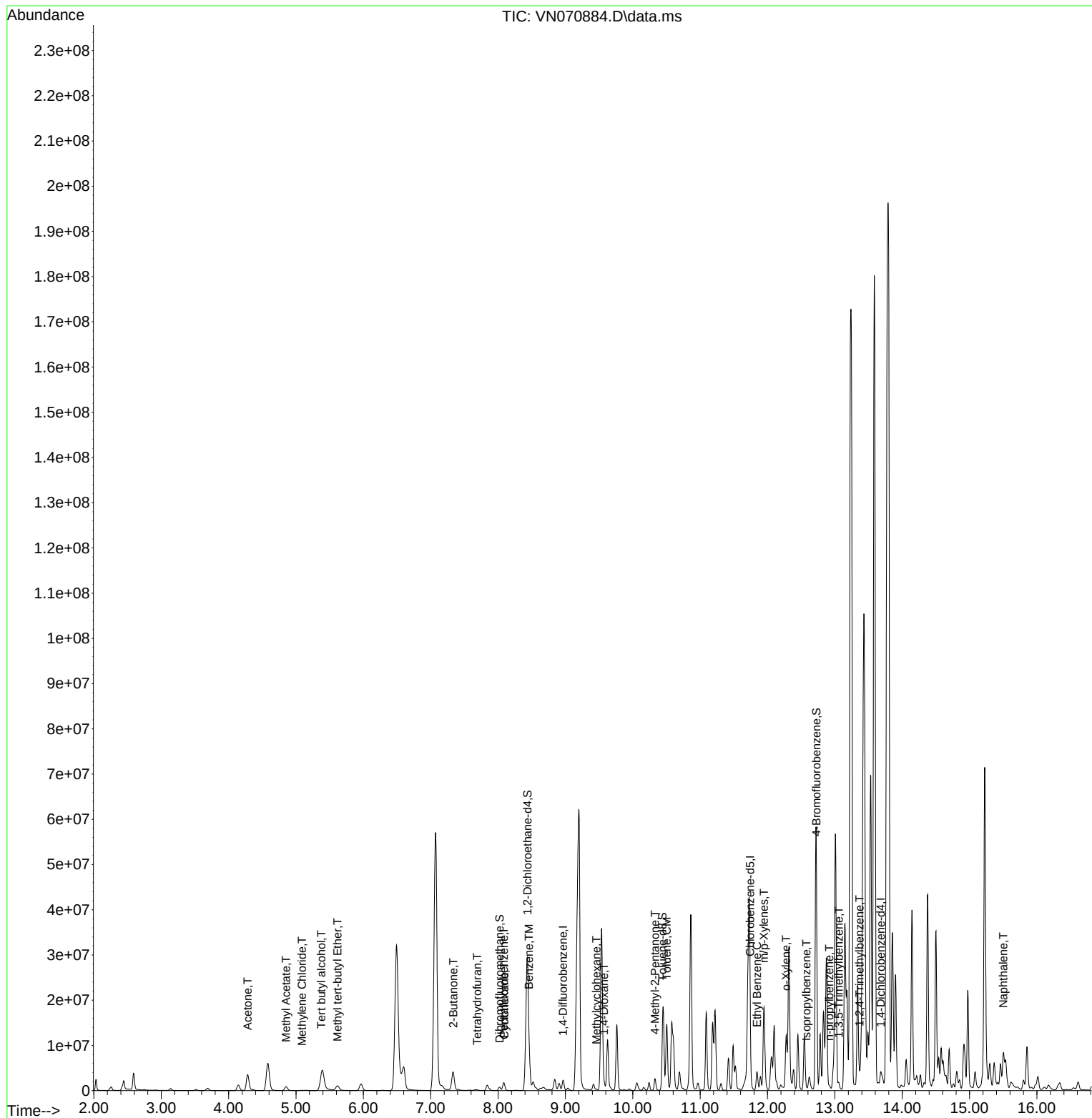
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1234351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1987207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1711020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	848587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	690467	39.031	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	78.060%		
35) Dibromofluoromethane	8.021	113	563440	45.709	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.420%		
50) Toluene-d8	10.440	98	2427147	46.740	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.480%		
62) 4-Bromofluorobenzene	12.728	95	885260	47.840	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.680%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.377	59	4314154	1351.746	ug/l	98
16) Acetone	4.283	43	6539644	532.619	ug/l	96
18) Methyl Acetate	4.851	43	1890941	78.310	ug/l	93
19) Methyl tert-butyl Ether	5.616	73	1583250	32.455	ug/l #	89
20) Methylene Chloride	5.090	84	25782	1.594	ug/l	91
25) 2-Butanone	7.335	43	5950089	385.112	ug/l	94
29) Tetrahydrofuran	7.689	42	91686	9.692	ug/l #	83
31) Cyclohexane	8.094	56	165327m	5.307	ug/l	
39) Methylcyclohexane	9.459	83	107628	4.201	ug/l	95
40) Benzene	8.458	78	8297800	129.048	ug/l	98
49) 1,4-Dioxane	9.574	88	617363	2050.179	ug/l #	27
51) 4-Methyl-2-Pentanone	10.330	43	1906872	71.016	ug/l	98
52) Toluene	10.505	92	6394297	166.247	ug/l	95
67) Ethyl Benzene	11.843	91	2670397	38.853	ug/l	96
68) m/p-Xylenes	11.948	106	5620349	224.784	ug/l	95
69) o-Xylene	12.278	106	3038027	122.437	ug/l	92
73) Isopropylbenzene	12.575	105	261226	3.254	ug/l	98
78) n-propylbenzene	12.919	91	217223	2.419	ug/l	97
80) 1,3,5-Trimethylbenzene	13.058	105	729407	11.235	ug/l	98
84) 1,2,4-Trimethylbenzene	13.366	105	1852597	29.687	ug/l	90
95) Naphthalene	15.501	128	6650944	141.137	ug/l #	95

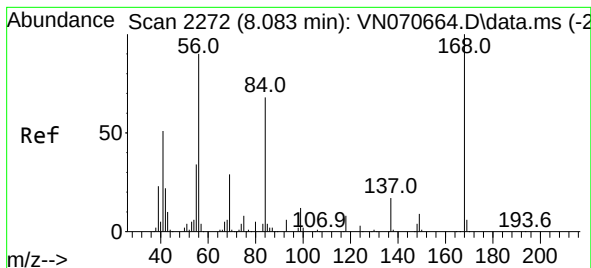
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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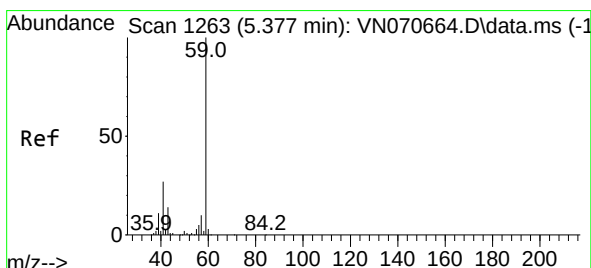
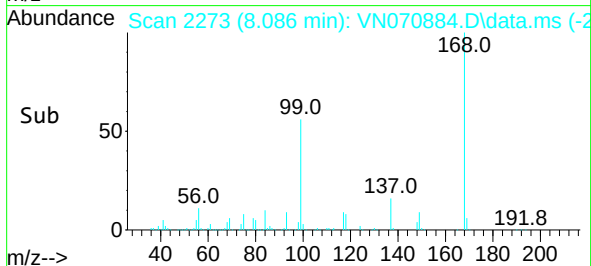
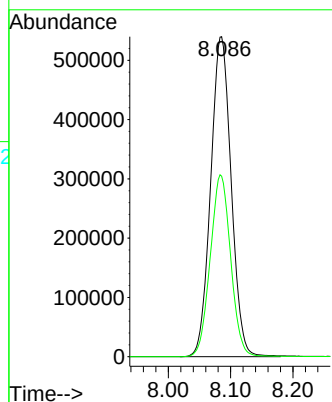
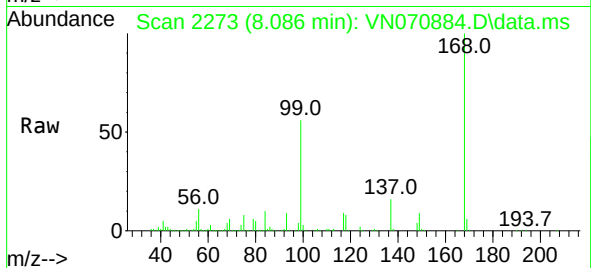




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

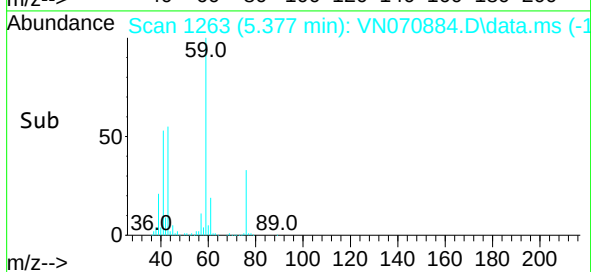
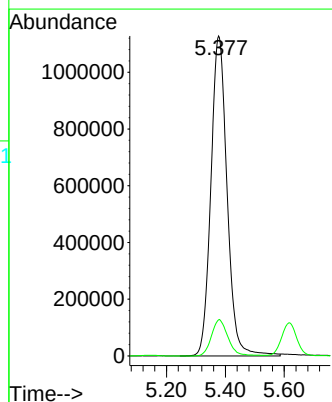
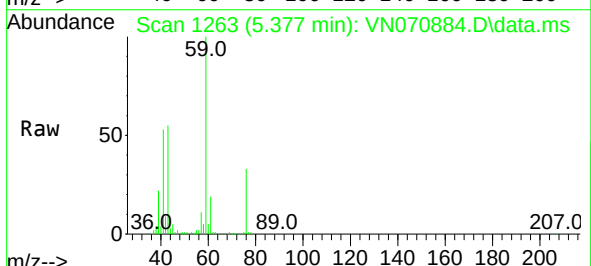
Instrument :
MSVOA_N
ClientSampleId :
31538

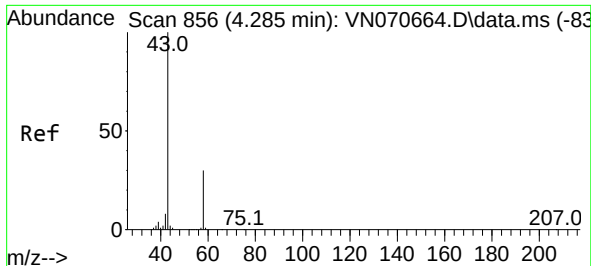
Tgt Ion:168 Resp: 1234351
Ion Ratio Lower Upper
168 100
99 56.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 1351.746 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Tgt Ion: 59 Resp: 4314154
Ion Ratio Lower Upper
59 100
57 11.6 8.7 13.1

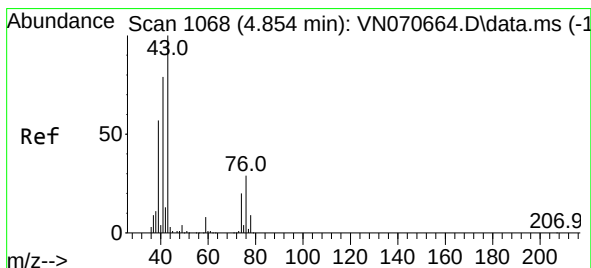
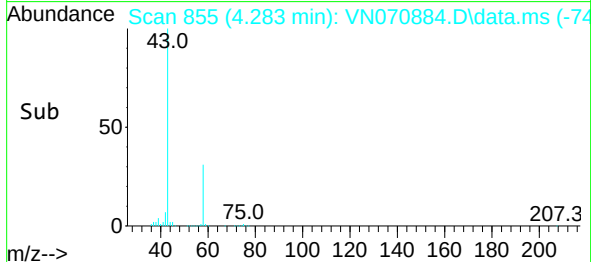
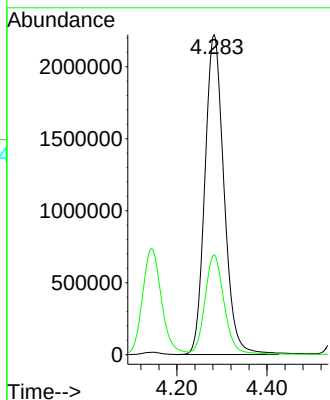
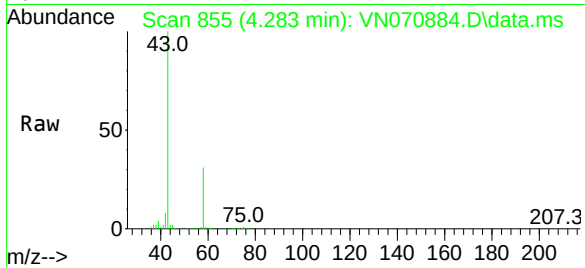




#16
Acetone
Concen: 532.619 ug/l
RT: 4.283 min Scan# 81
Delta R.T. -0.002 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

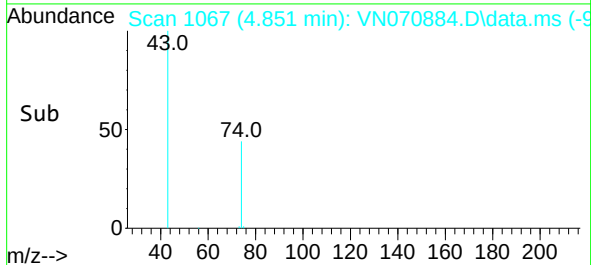
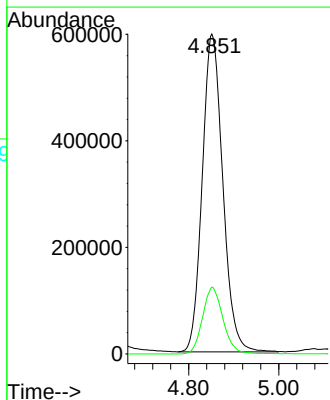
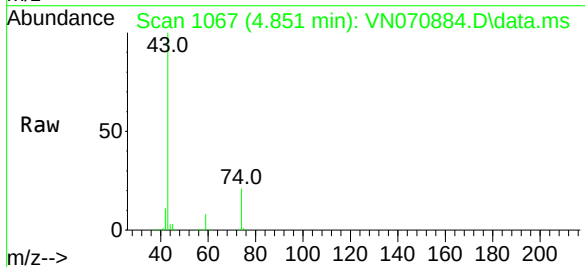
Instrument :
MSVOA_N
ClientSampleId :
31538

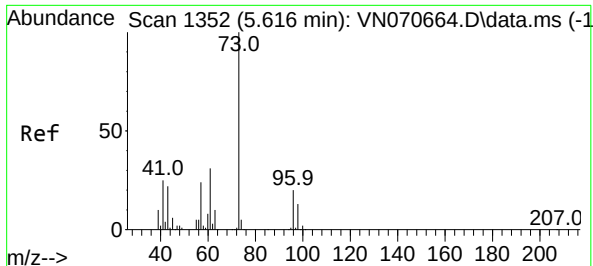
Tgt Ion: 43 Resp: 6539644
Ion Ratio Lower Upper
43 100
58 31.1 23.1 34.7



#18
Methyl Acetate
Concen: 78.310 ug/l
RT: 4.851 min Scan# 1067
Delta R.T. -0.003 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Tgt Ion: 43 Resp: 1890941
Ion Ratio Lower Upper
43 100
74 20.8 19.4 29.2

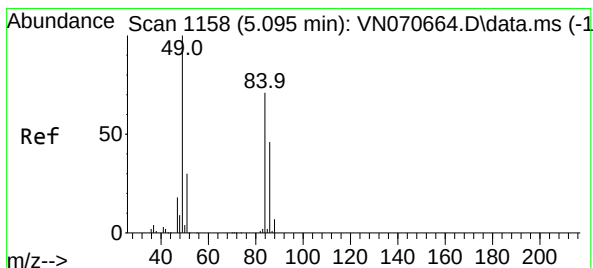
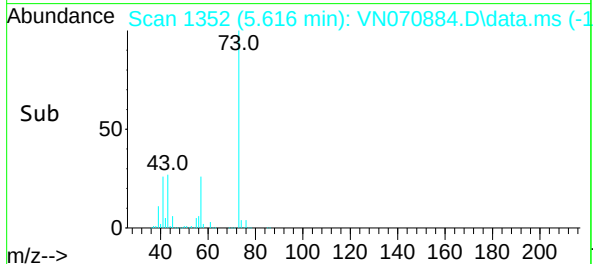
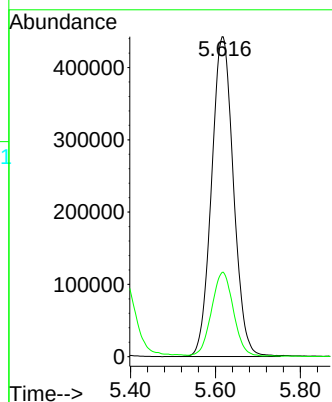
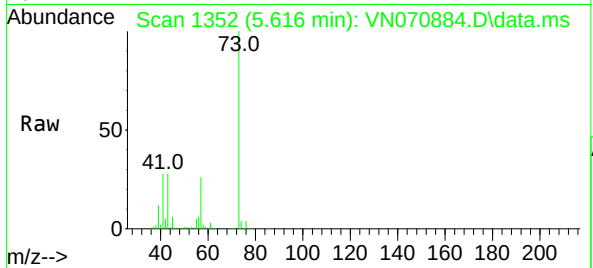




#19
Methyl tert-butyl Ether
Concen: 32.455 ug/l
RT: 5.616 min Scan# 1156
Delta R.T. -0.000 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

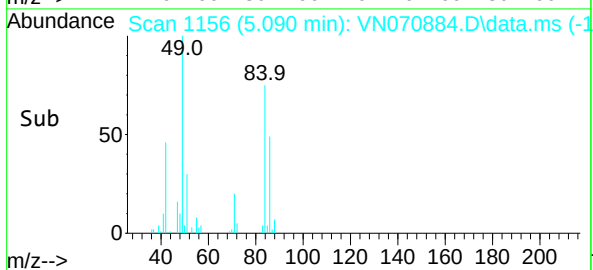
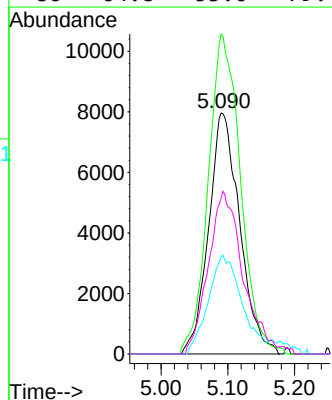
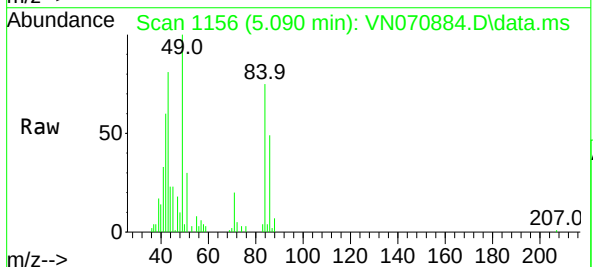
Instrument :
MSVOA_N
ClientSampleId :
31538

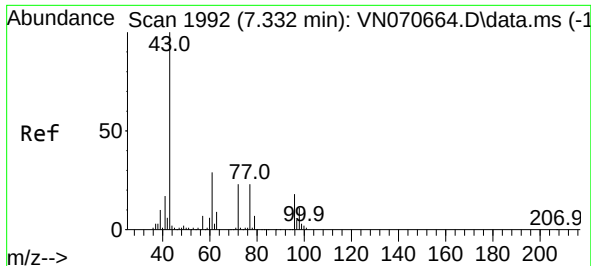
Tgt Ion: 73 Resp: 1583250
Ion Ratio Lower Upper
73 100
57 26.2 16.8 25.2#



#20
Methylene Chloride
Concen: 1.594 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Tgt Ion: 84 Resp: 25782
Ion Ratio Lower Upper
84 100
49 132.8 93.5 140.3
51 40.2 29.4 44.2
86 64.8 53.0 79.4





#25

2-Butanone

Concen: 385.112 ug/l

RT: 7.335 min Scan# 1992

Delta R.T. 0.003 min

Lab File: VN070884.D

Acq: 1 Feb 2022 20:43

Instrument :

MSVOA_N

ClientSampleId :

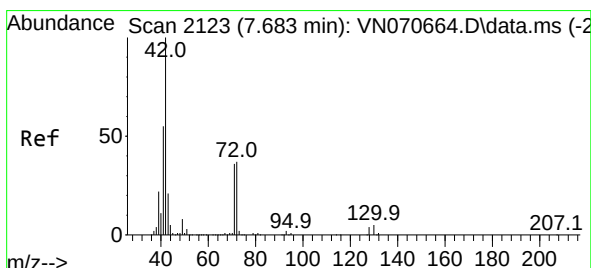
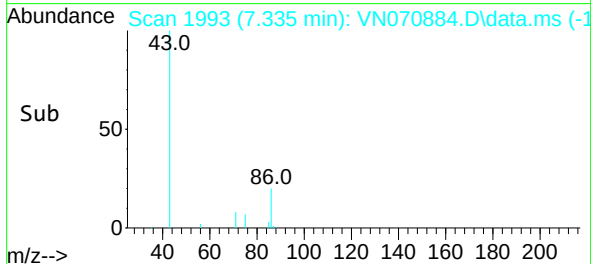
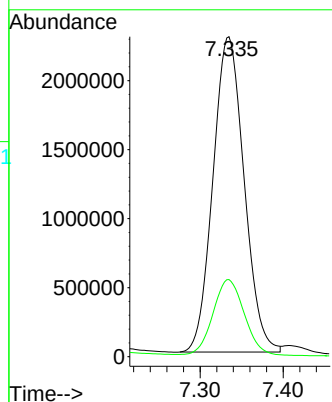
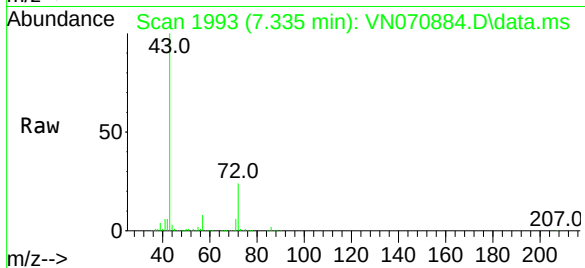
31538

Tgt Ion: 43 Resp: 5950089

Ion Ratio Lower Upper

43 100

72 23.9 21.7 32.5



#29

Tetrahydrofuran

Concen: 9.692 ug/l

RT: 7.689 min Scan# 2125

Delta R.T. 0.006 min

Lab File: VN070884.D

Acq: 1 Feb 2022 20:43

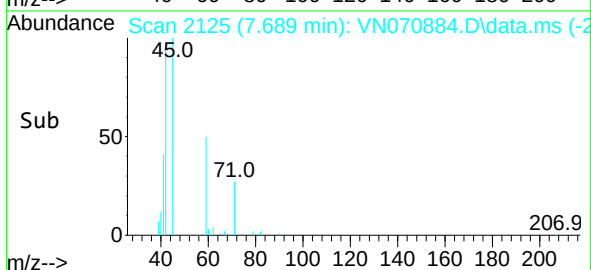
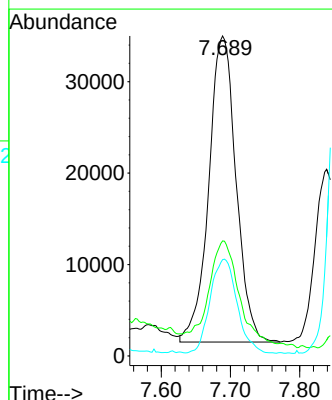
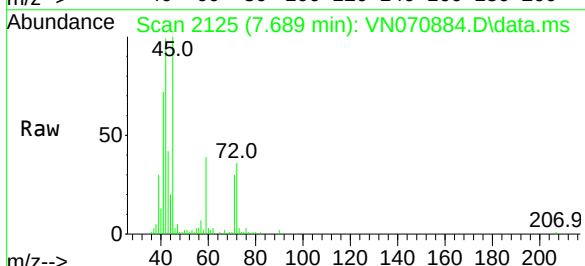
Tgt Ion: 42 Resp: 91686

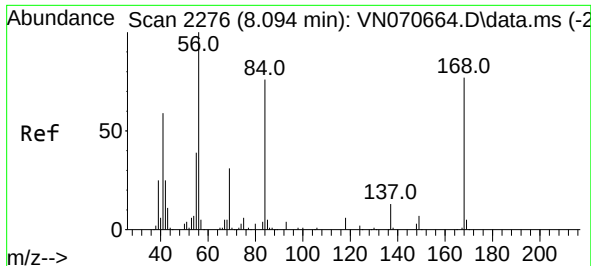
Ion Ratio Lower Upper

42 100

72 35.8 36.3 54.5#

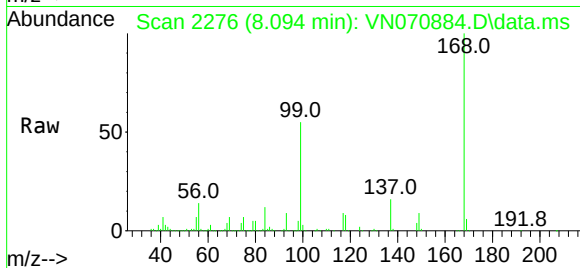
71 30.4 34.7 52.1#



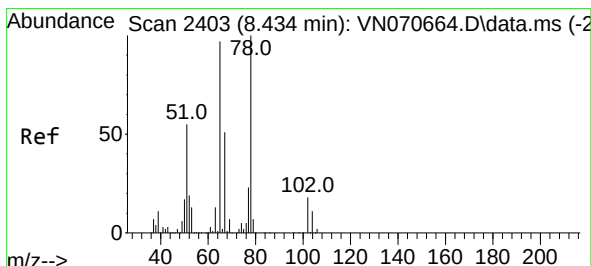
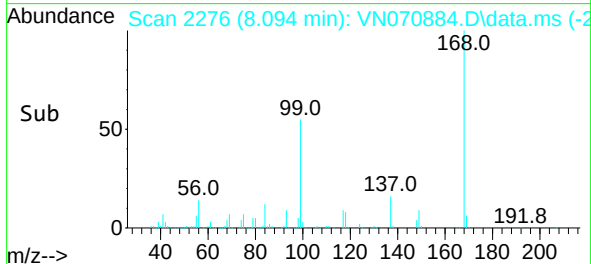
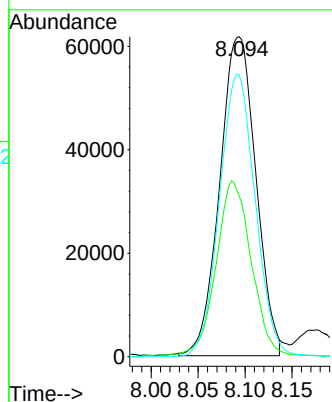


#31
Cyclohexane
Concen: 5.307 ug/l m
RT: 8.094 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Instrument :
MSVOA_N
ClientSampleId :
31538

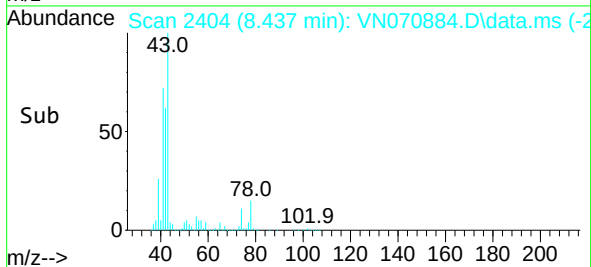
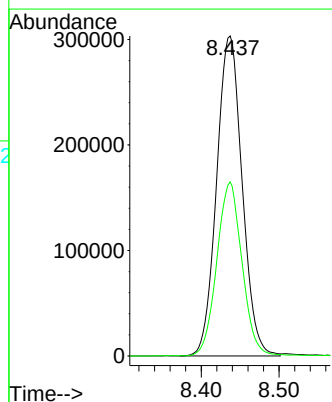
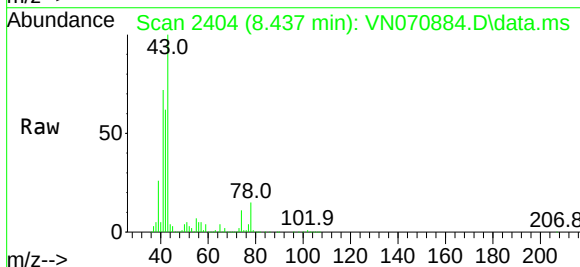


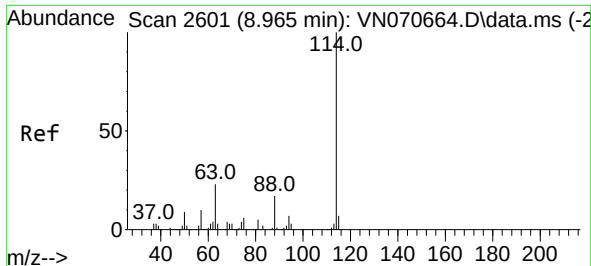
Tgt Ion: 56 Resp: 165327
Ion Ratio Lower Upper
56 100
69 50.3 27.1 40.7#
84 88.0 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 39.031 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Tgt Ion: 65 Resp: 690467
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.0

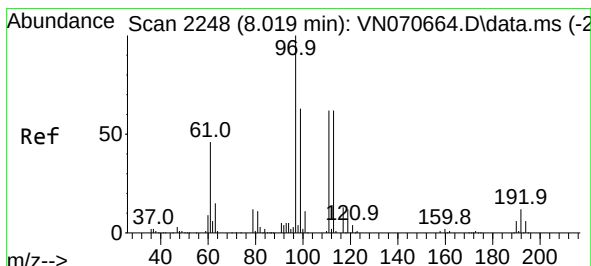
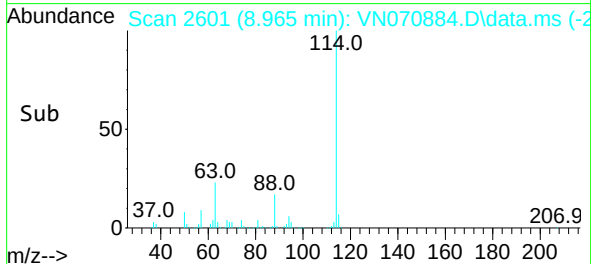
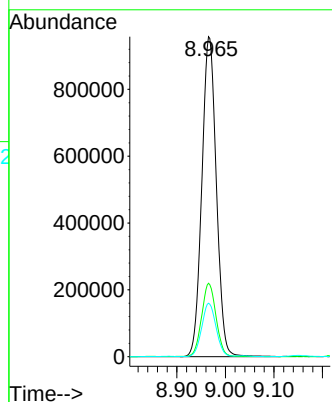
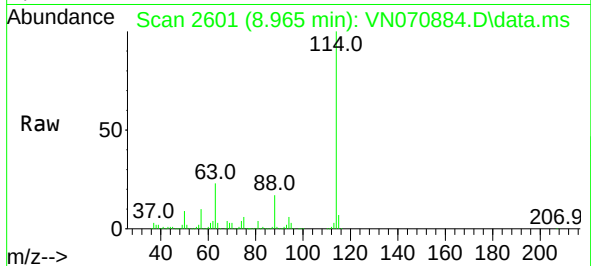




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2069
Delta R.T. 0.000 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

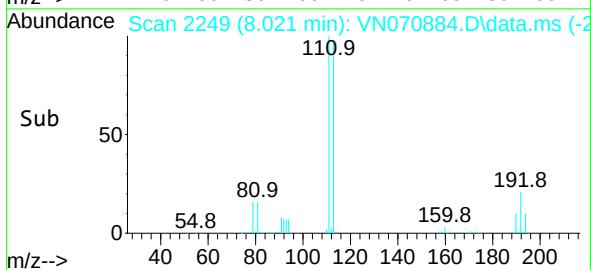
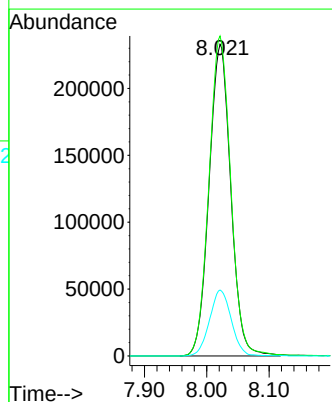
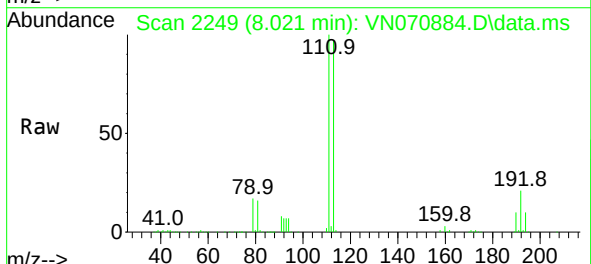
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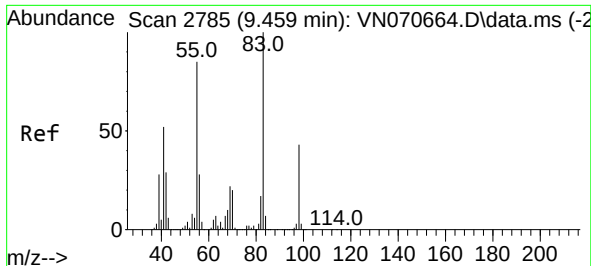
Tgt Ion:114 Resp: 1987207
Ion Ratio Lower Upper
114 100
63 22.9 0.0 37.8
88 16.7 0.0 27.4



#35
Dibromofluoromethane
Concen: 45.709 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Tgt Ion:113 Resp: 563440
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 21.2 16.9 25.3

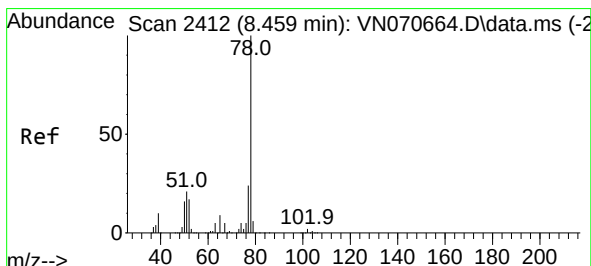
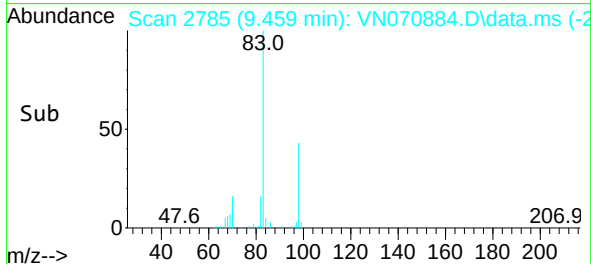
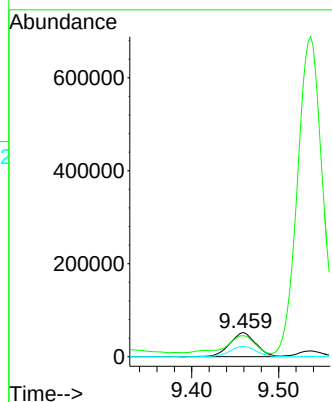
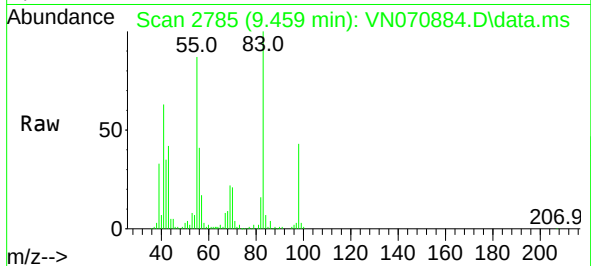




#39
Methylcyclohexane
Concen: 4.201 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

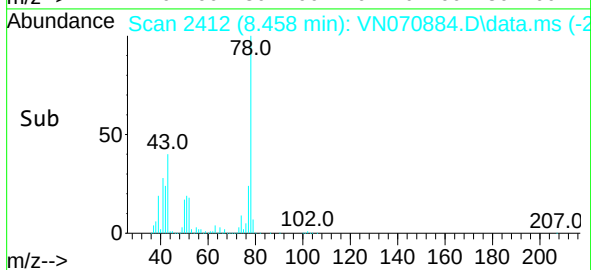
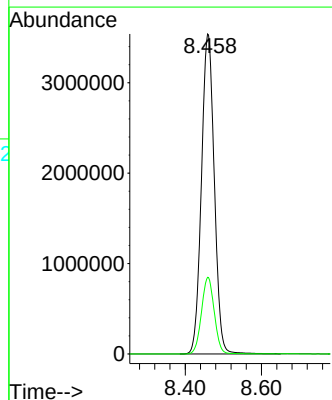
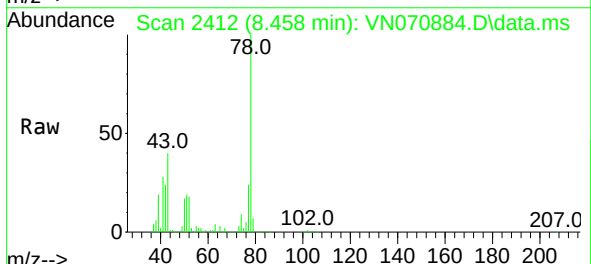
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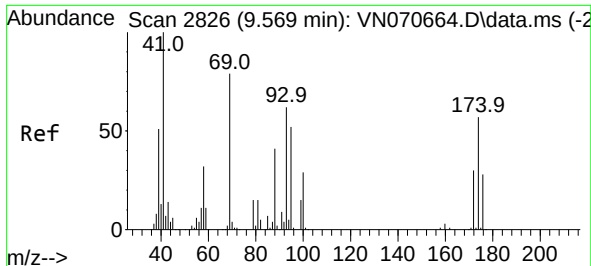
Tgt Ion: 83 Resp: 107628
Ion Ratio Lower Upper
83 100
55 69.7 58.1 87.1
98 42.8 38.4 57.6



#40
Benzene
Concen: 129.048 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.001 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Tgt Ion: 78 Resp: 8297800
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8





#49

1,4-Dioxane

Concen: 2050.179 ug/l

RT: 9.574 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN070884.D

Acq: 1 Feb 2022 20:43

Instrument :

MSVOA_N

ClientSampleId :

31538

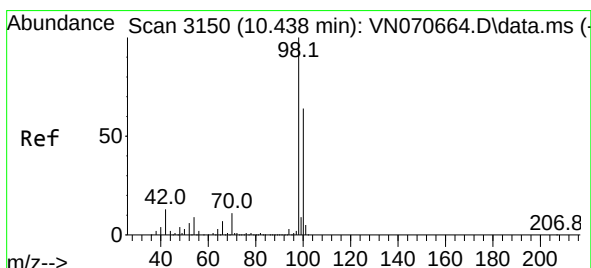
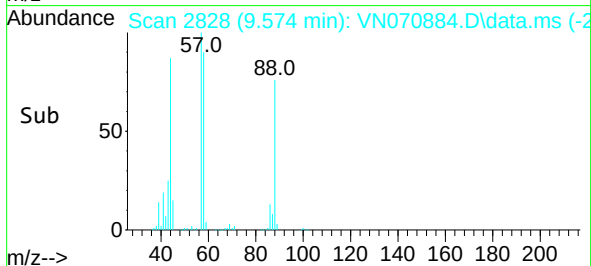
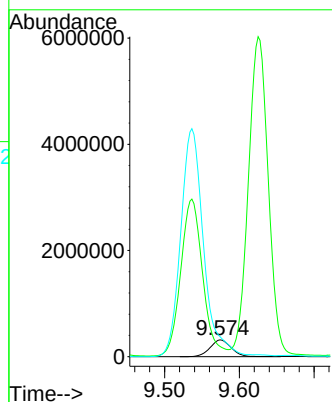
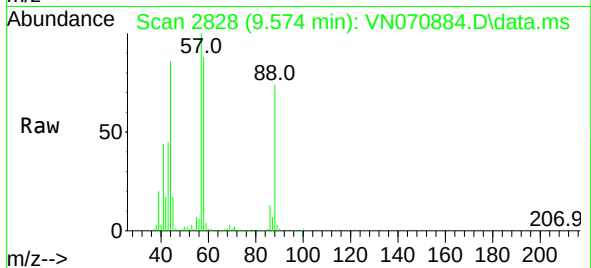
Tgt Ion: 88 Resp: 617363

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 46.740 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070884.D

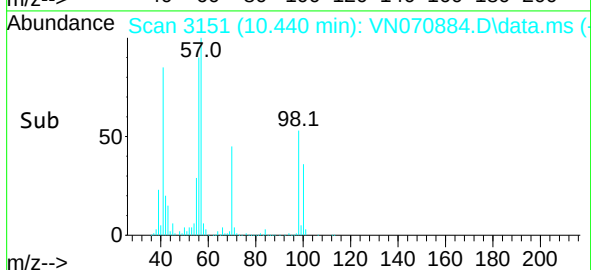
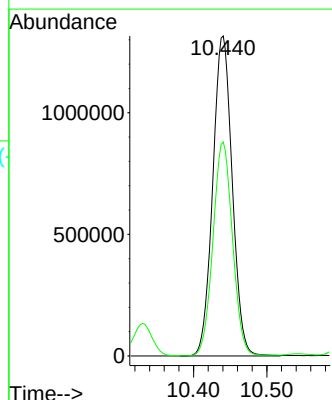
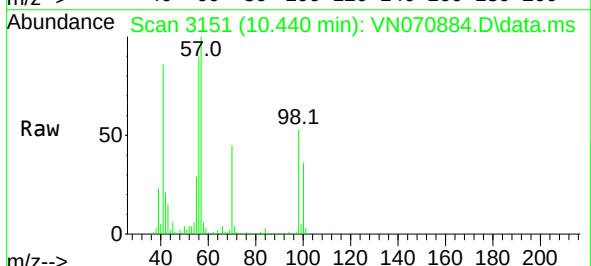
Acq: 1 Feb 2022 20:43

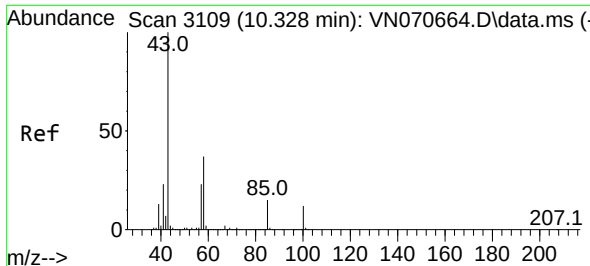
Tgt Ion: 98 Resp: 2427147

Ion Ratio Lower Upper

98 100

100 67.1 50.4 75.6

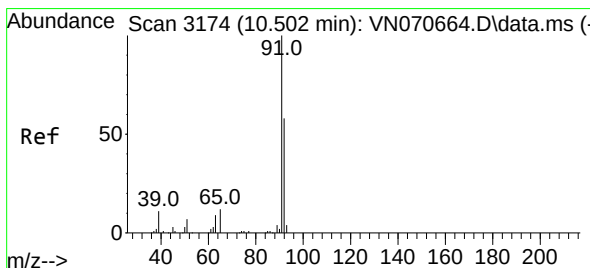
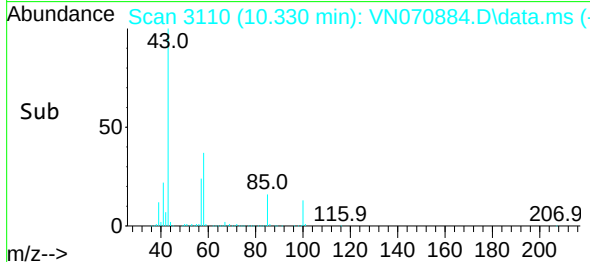
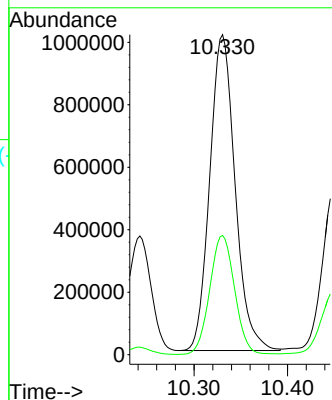
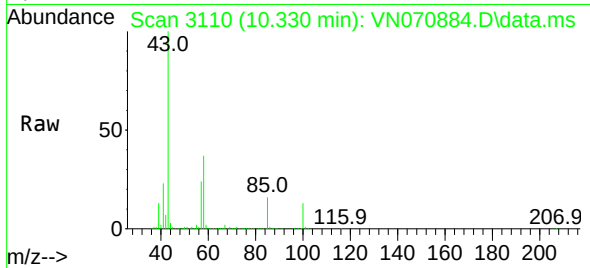




#51
4-Methyl-2-Pentanone
Concen: 71.016 ug/l
RT: 10.330 min Scan# 3109
Delta R.T. 0.002 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

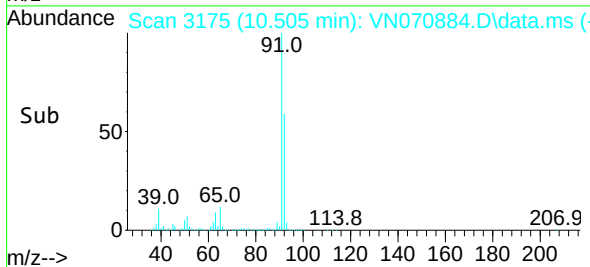
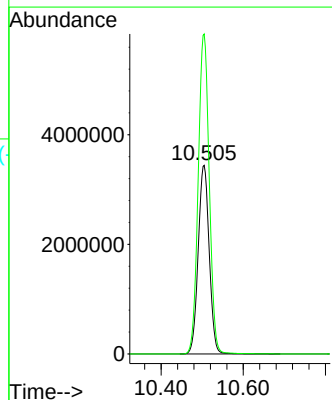
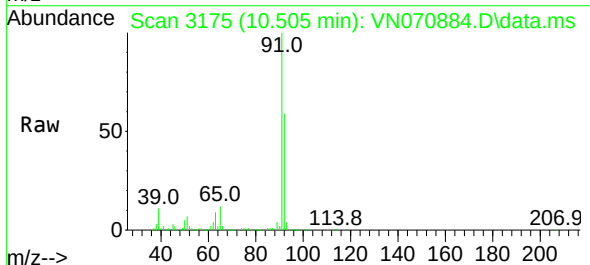
Instrument :
MSVOA_N
ClientSampleId :
31538

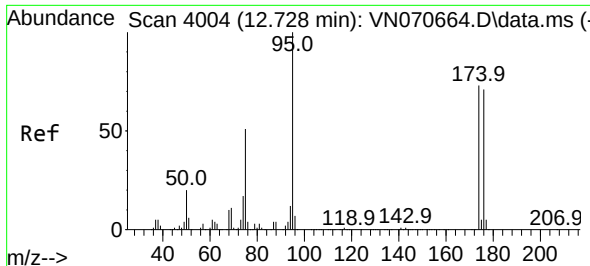
Tgt Ion: 43 Resp: 1906872
Ion Ratio Lower Upper
43 100
58 36.8 30.4 45.6



#52
Toluene
Concen: 166.247 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. 0.003 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Tgt Ion: 92 Resp: 6394297
Ion Ratio Lower Upper
92 100
91 170.6 142.0 213.0

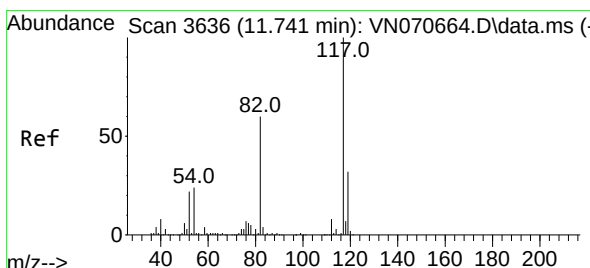
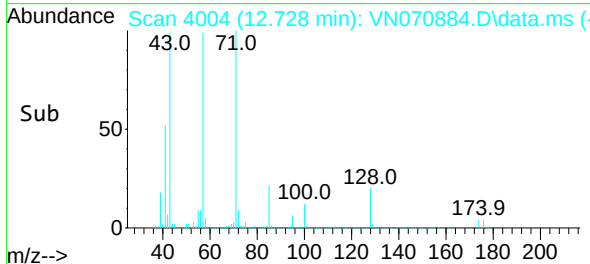
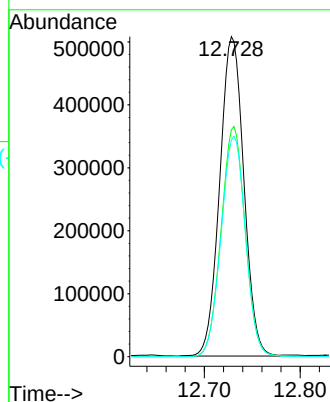
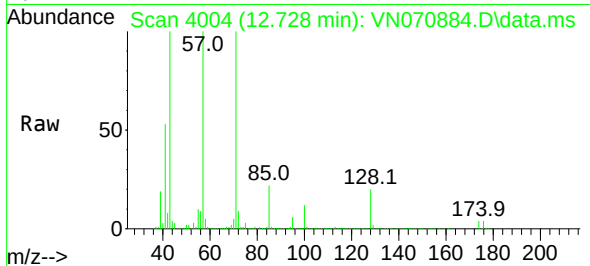




#62
4-Bromofluorobenzene
Concen: 47.840 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

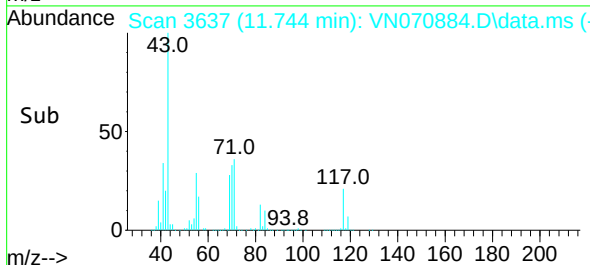
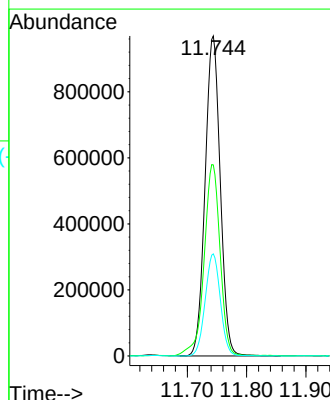
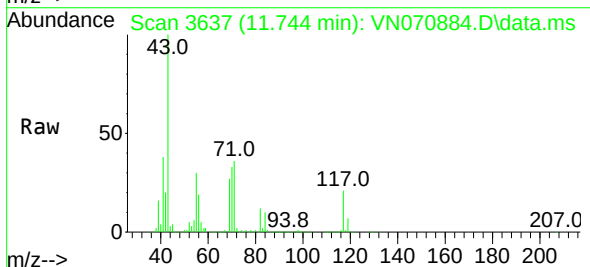
Instrument :
MSVOA_N
ClientSampleId :
31538

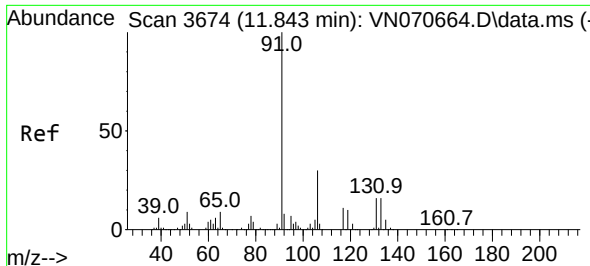
Tgt Ion: 95 Resp: 885260
Ion Ratio Lower Upper
95 100
174 72.1 0.0 187.2
176 70.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Tgt Ion: 117 Resp: 1711020
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.9 25.4 38.2

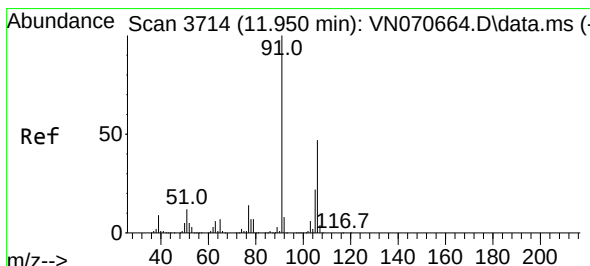
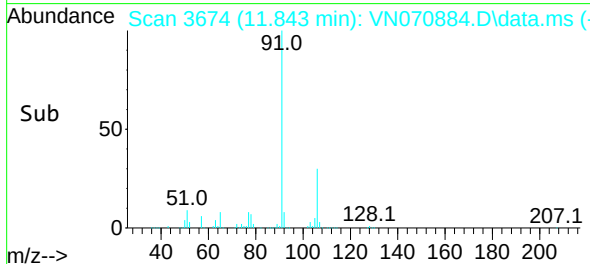
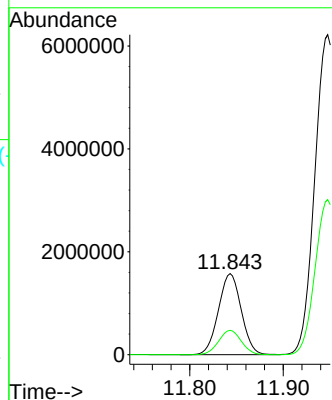
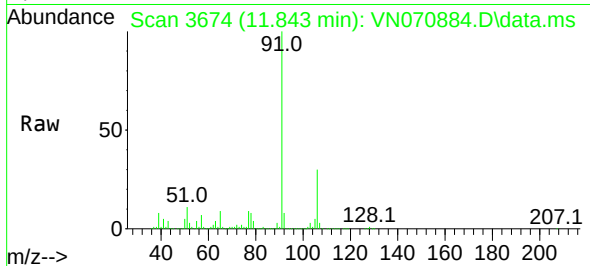




#67
Ethyl Benzene
Concen: 38.853 ug/l
RT: 11.843 min Scan# 307
Delta R.T. 0.000 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

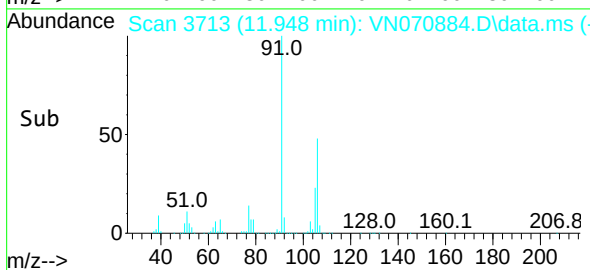
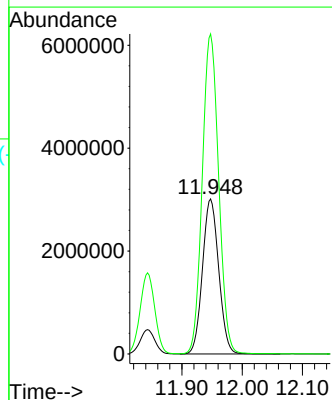
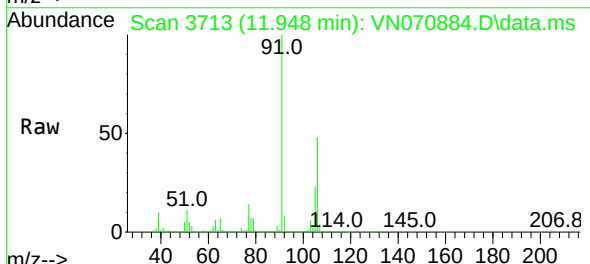
Instrument :
MSVOA_N
ClientSampleId :
31538

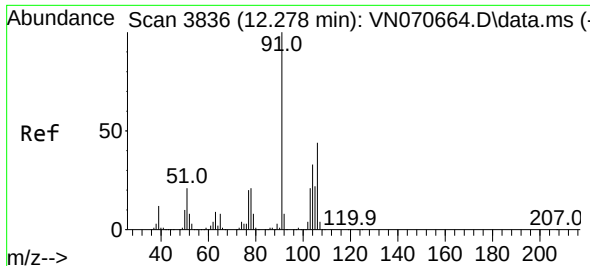
Tgt Ion: 91 Resp: 2670397
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5



#68
m/p-Xylenes
Concen: 224.784 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.002 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Tgt Ion:106 Resp: 5620349
Ion Ratio Lower Upper
106 100
91 208.3 160.6 240.8

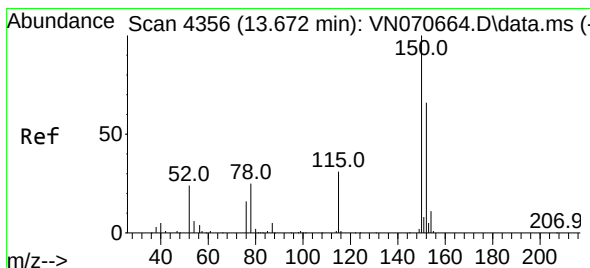
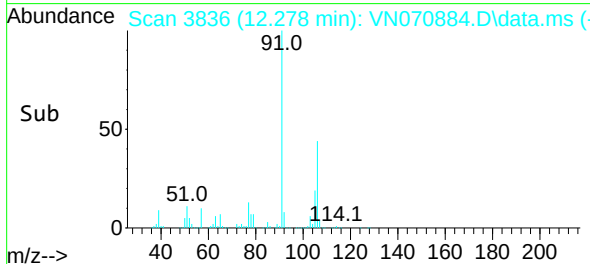
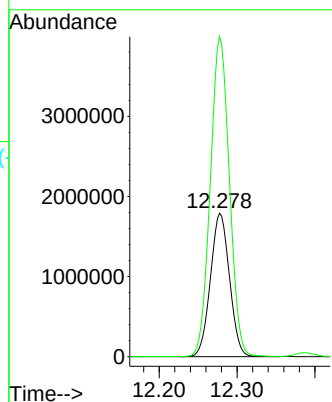
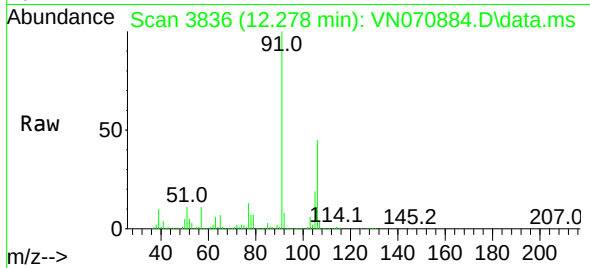




#69
o-Xylene
Concen: 122.437 ug/l
RT: 12.278 min Scan# 31538
Delta R.T. -0.000 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

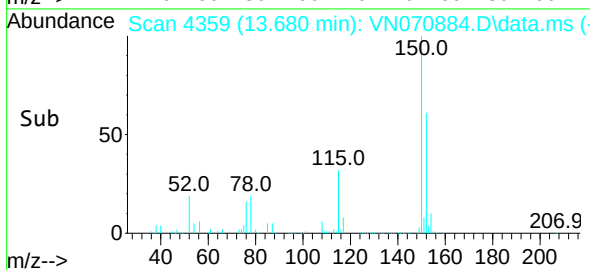
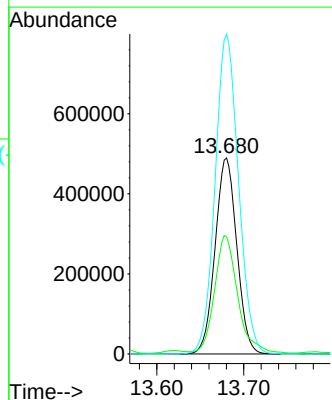
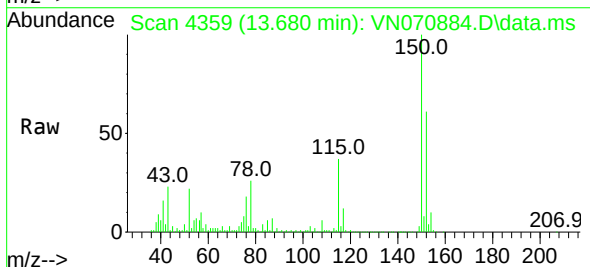
Instrument :
MSVOA_N
ClientSampleId :
31538

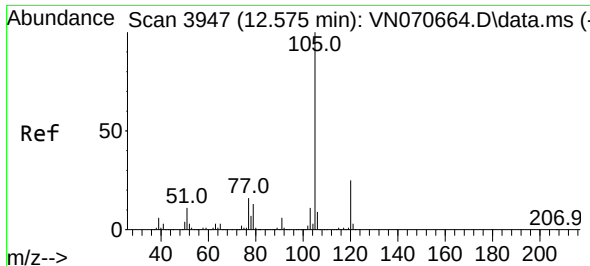
Tgt Ion:106 Resp: 3038027
Ion Ratio Lower Upper
106 100
91 223.7 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.008 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Tgt Ion:152 Resp: 848587
Ion Ratio Lower Upper
152 100
115 63.3 27.5 82.5
150 176.2 0.0 344.4

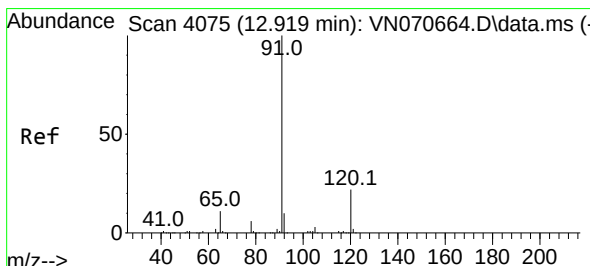
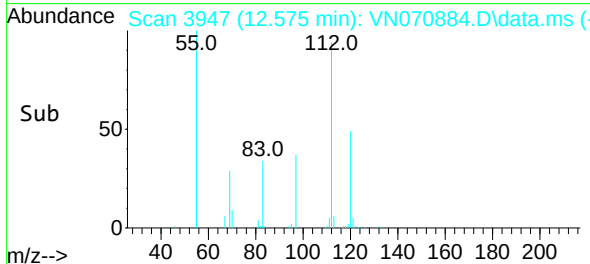
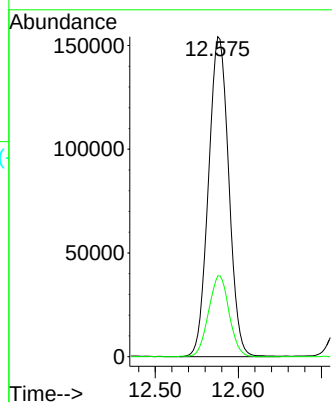
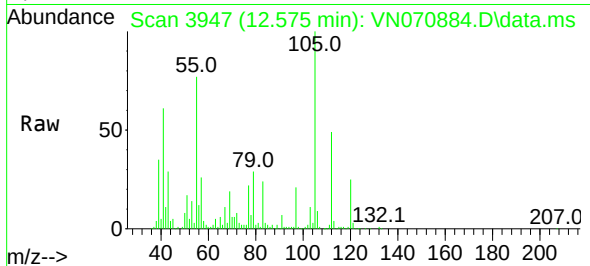




#73
Isopropylbenzene
Concen: 3.254 ug/l
RT: 12.575 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

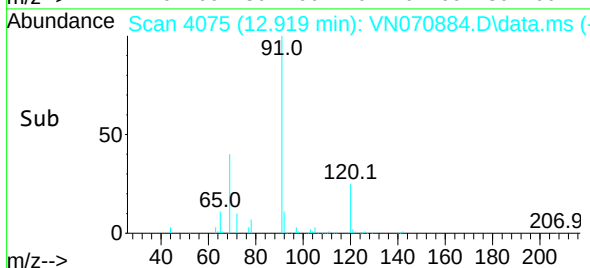
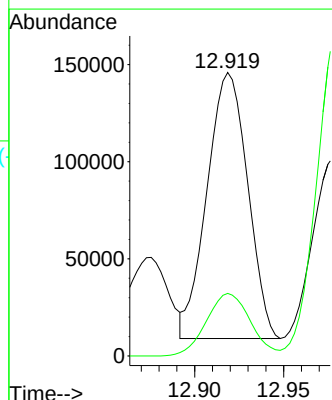
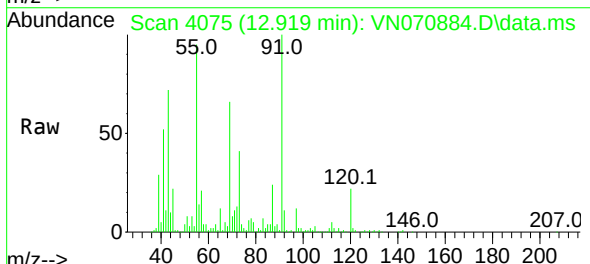
Instrument :
MSVOA_N
ClientSampleId :
31538

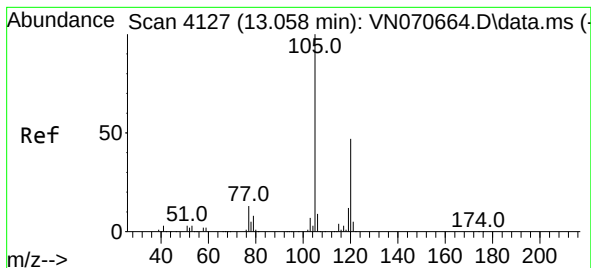
Tgt Ion:105 Resp: 261226
Ion Ratio Lower Upper
105 100
120 25.6 13.4 40.1



#78
n-propylbenzene
Concen: 2.419 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070884.D
Acq: 1 Feb 2022 20:43

Tgt Ion: 91 Resp: 217223
Ion Ratio Lower Upper
91 100
120 25.5 11.9 35.9





#80

1,3,5-Trimethylbenzene

Concen: 11.235 ug/l

RT: 13.058 min Scan# 4127

Delta R.T. -0.000 min

Lab File: VN070884.D

Acq: 1 Feb 2022 20:43

Instrument :

MSVOA_N

ClientSampleId :

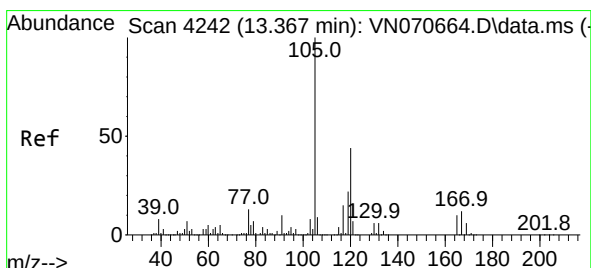
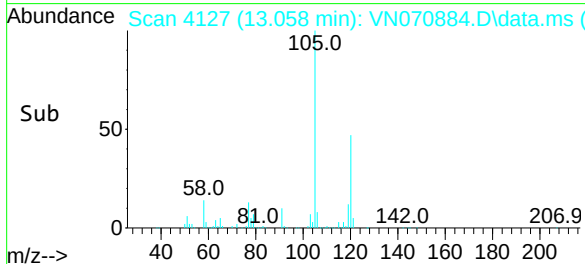
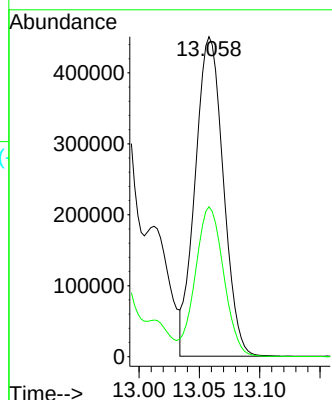
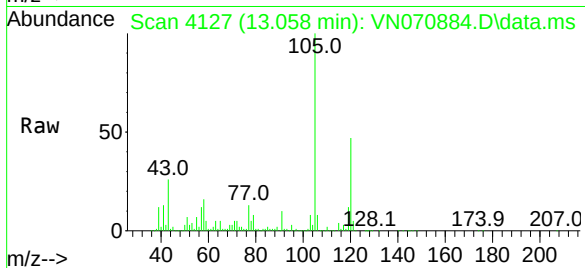
31538

Tgt Ion:105 Resp: 729407

Ion Ratio Lower Upper

105 100

120 47.4 24.6 73.6



#84

1,2,4-Trimethylbenzene

Concen: 29.687 ug/l

RT: 13.366 min Scan# 4242

Delta R.T. -0.001 min

Lab File: VN070884.D

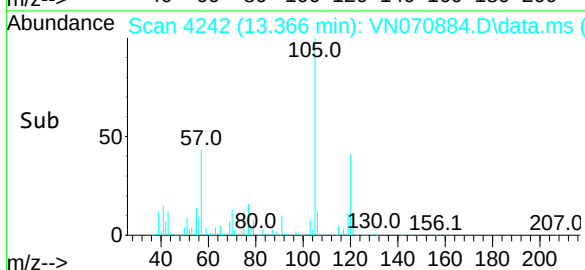
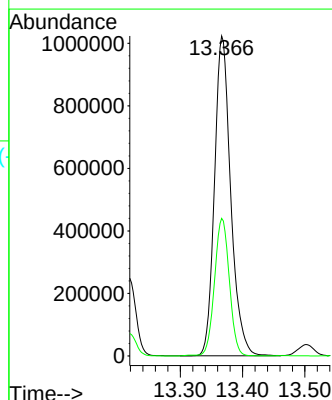
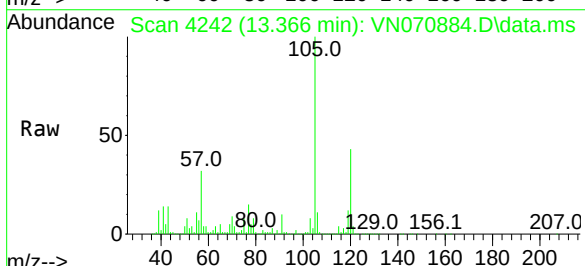
Acq: 1 Feb 2022 20:43

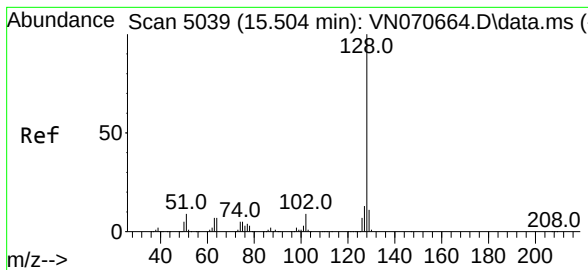
Tgt Ion:105 Resp: 1852597

Ion Ratio Lower Upper

105 100

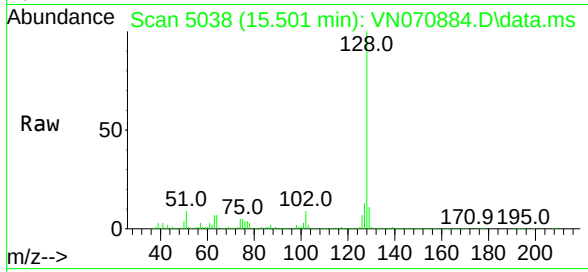
120 39.1 22.8 68.4





#95
 Naphthalene
 Concen: 141.137 ug/l
 RT: 15.501 min Scan# 5038
 Delta R.T. -0.003 min
 Lab File: VN070884.D
 Acq: 1 Feb 2022 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 31538



Tgt Ion:128 Resp: 6650944
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.5 15.7
 129 7.0 8.7 13.1#

