

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070221\
 Data File : VN067622.D
 Acq On : 2 Jul 2021 17:29
 Operator : JC/MD
 Sample : M2802-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30759

Manual Integrations
 APPROVED

MMDadoda
 7/7/2021 8:51:34 AM

Quant Time: Jul 05 05:03:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 12:55:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	377726	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	709847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	760854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	390383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	279446	49.440	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.880%		
35) Dibromofluoromethane	8.027	113	203132	46.267	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.540%		
50) Toluene-d8	10.446	98	934251	50.418	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.840%		
62) 4-Bromofluorobenzene	12.733	95	377303	57.076	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	114.160%		
Target Compounds						Qvalue
16) Acetone	4.291	43	56652	31.615	ug/l	97
18) Methyl Acetate	4.859	43	6607m	1.447	ug/l	
20) Methylene Chloride	5.092	84	45981	10.293	ug/l	94
39) Methylcyclohexane	9.464	83	16220	2.204	ug/l	88
40) Benzene	8.461	78	317300	15.974	ug/l	98
43) Isopropyl Acetate	8.566	43	49409	4.410	ug/l	# 91
52) Toluene	10.497	92	22326620m	1687.665	ug/l	
67) Ethyl Benzene	11.848	91	1454780	51.426	ug/l	97
68) m/p-Xylenes	11.953	106	2187829	201.817	ug/l	87
69) o-Xylene	12.286	106	1260118	117.388	ug/l	89
73) Isopropylbenzene	12.583	105	127810	3.934	ug/l	96
78) n-propylbenzene	12.924	91	350298	9.713	ug/l	97
80) 1,3,5-Trimethylbenzene	13.063	105	570197	21.771	ug/l	95
84) 1,2,4-Trimethylbenzene	13.372	105	2596513	101.304	ug/l	95
85) sec-Butylbenzene	13.503	105	50730m	1.670	ug/l	
86) p-Isopropyltoluene	13.621	119	34798	1.423	ug/l	98
89) n-Butylbenzene	13.946	91	37447	1.841	ug/l	# 79
95) Naphthalene	15.509	128	704926	38.041	ug/l	100

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

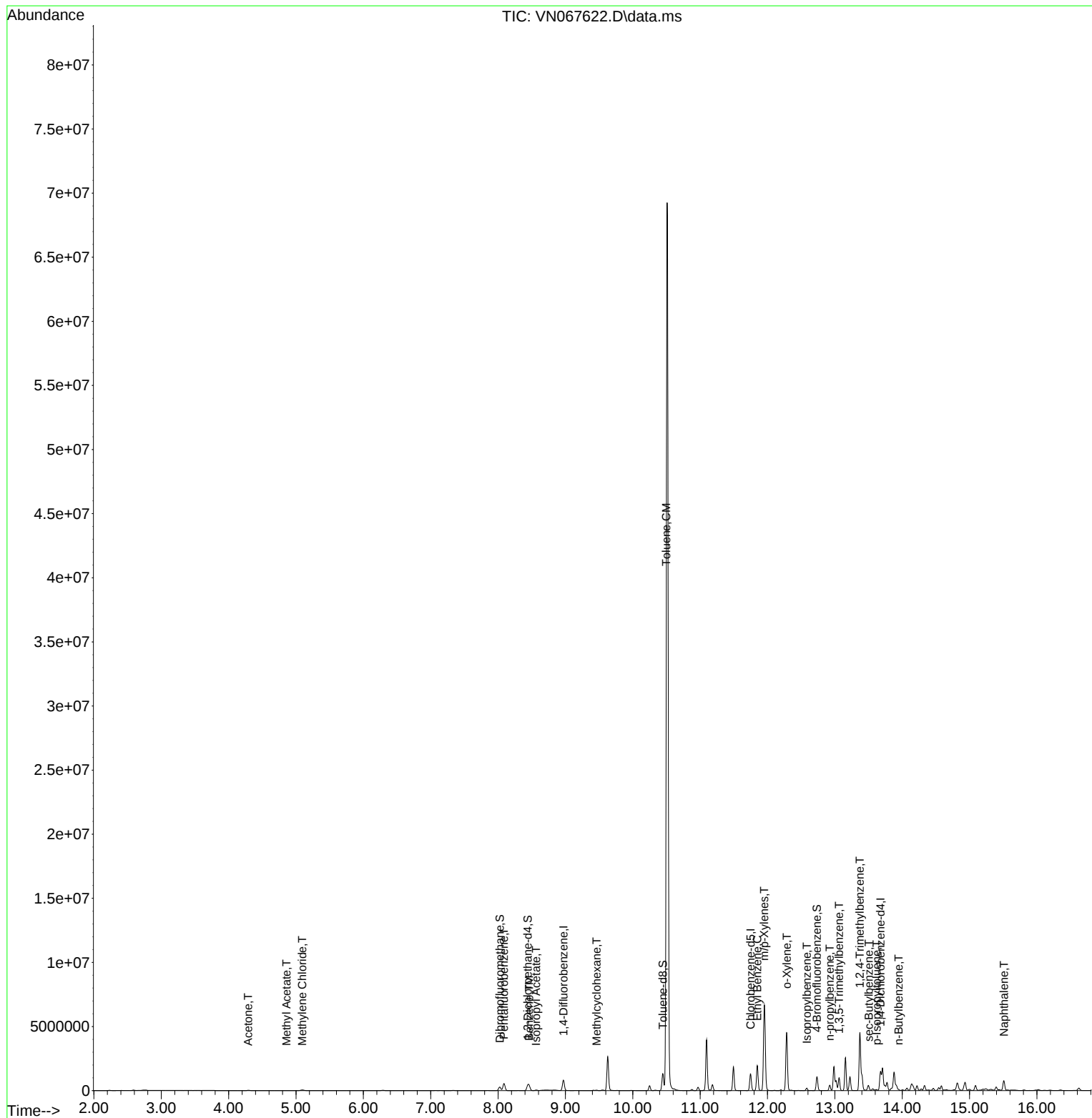
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Data File : VN067622.D
Acq On : 2 Jul 2021 17:29
Operator : JC/MD
Sample : M2802-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

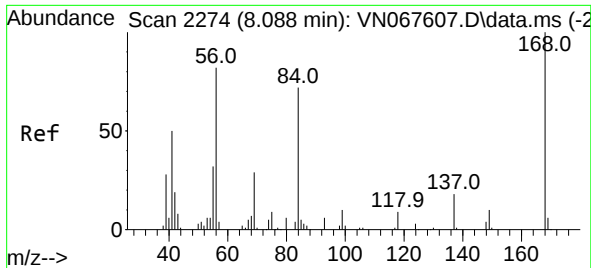
Instrument :
MSVOA_N
ClientSampleId :
30759

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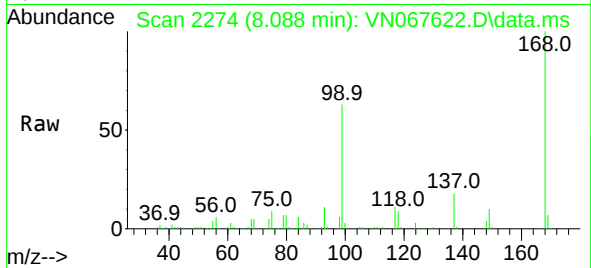
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7/7/2021 8:51:34 AM

Quant Time: Jul 05 05:03:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 02 12:55:54 2021
Response via : Initial Calibration

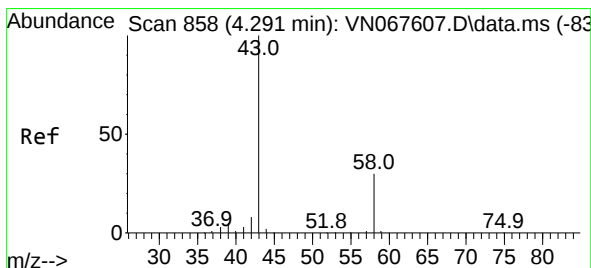
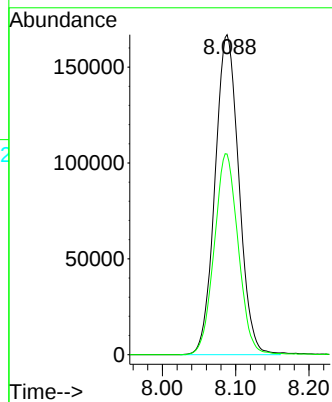
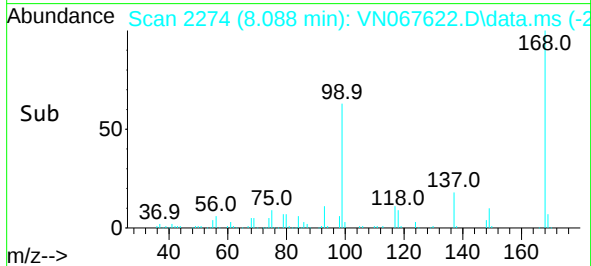




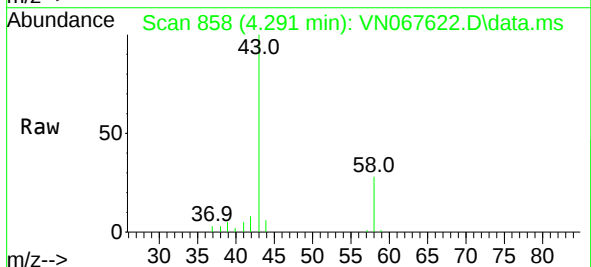
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29



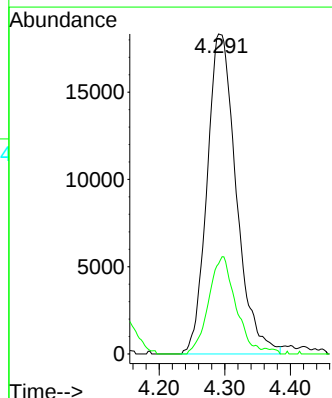
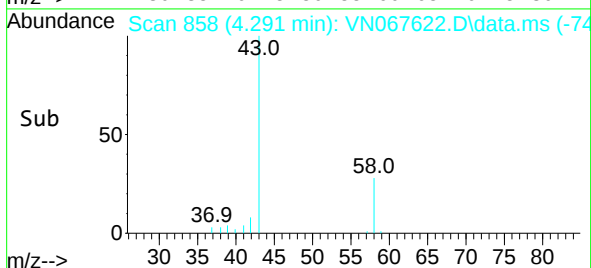
Tgt Ion:168 Resp: 377726
Ion Ratio Lower Upper
168 100
99 62.7 62.9 94.3#



#16
Acetone
Concen: 31.615 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29



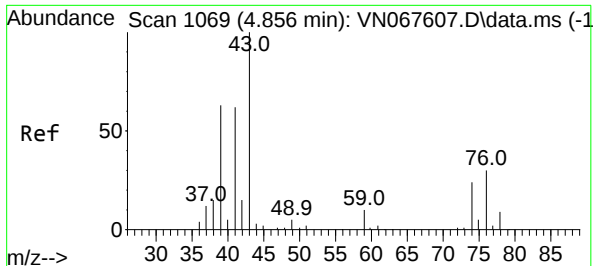
Tgt Ion: 43 Resp: 56652
Ion Ratio Lower Upper
43 100
58 28.2 21.2 31.8



Instrument :
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#18

Methyl Acetate

Concen: 1.447 ug/l m

RT: 4.859 min Scan# 1070

Delta R.T. 0.003 min

Lab File: VN067622.D

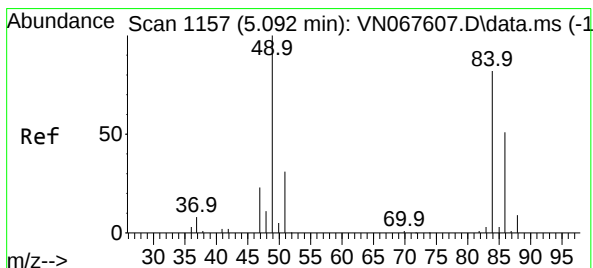
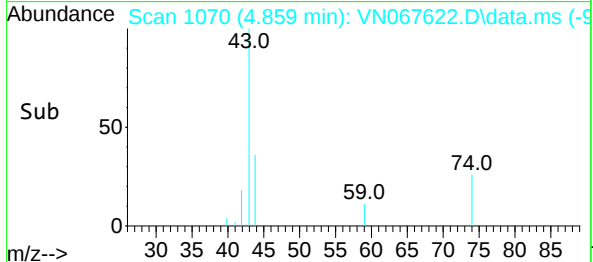
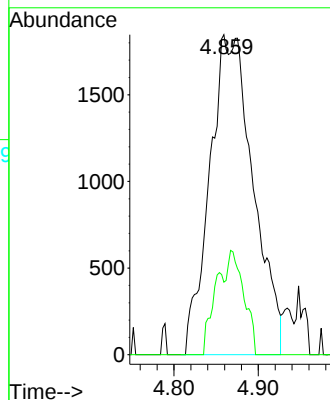
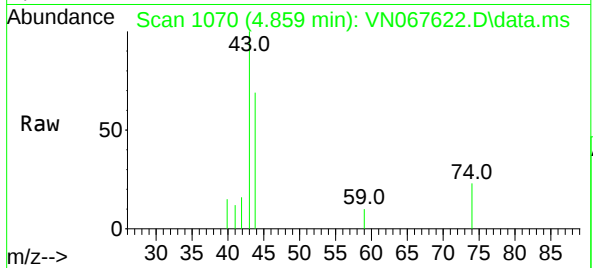
Acq: 2 Jul 2021 17:29

Tgt Ion: 43 Resp: 6607

Ion Ratio Lower Upper

43 100

74 7.5 17.4 26.0#



#20

Methylene Chloride

Concen: 10.293 ug/l

RT: 5.092 min Scan# 1157

Delta R.T. 0.000 min

Lab File: VN067622.D

Acq: 2 Jul 2021 17:29

Tgt Ion: 84 Resp: 45981

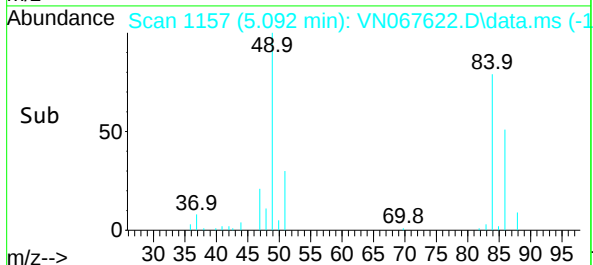
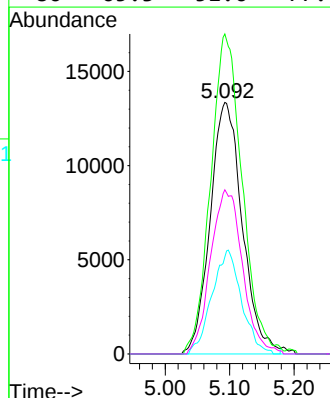
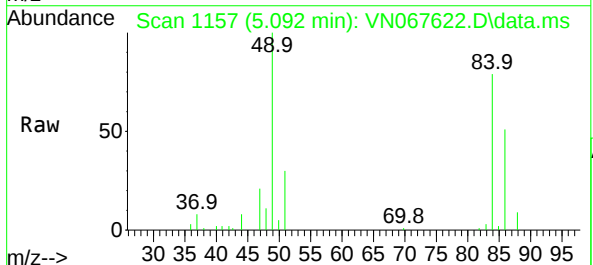
Ion Ratio Lower Upper

84 100

49 127.3 110.9 166.3

51 38.6 32.6 49.0

86 65.3 51.6 77.4



Instrument :

MSVOA_N

ClientSampled :

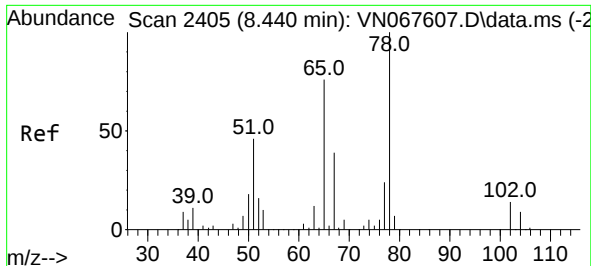
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#33

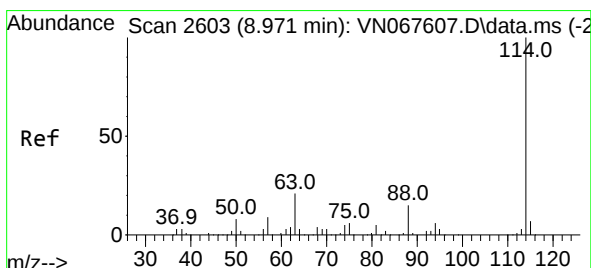
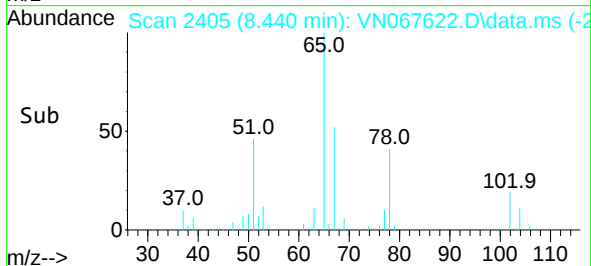
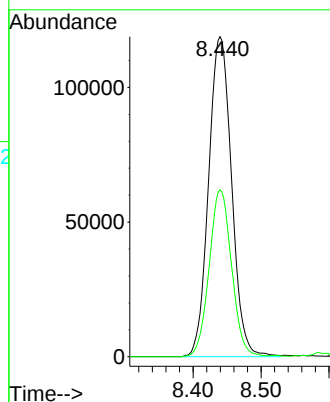
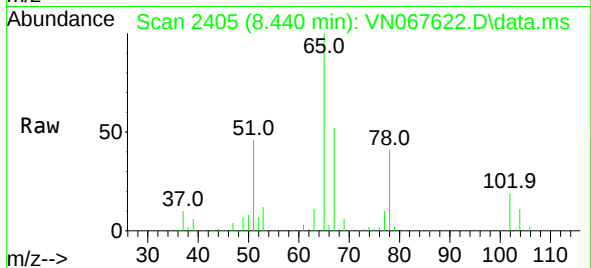
1,2-Dichloroethane-d4
Concen: 49.440 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion: 65 Resp: 279446
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

Instrument :
MSVOA_N
ClientSampled :
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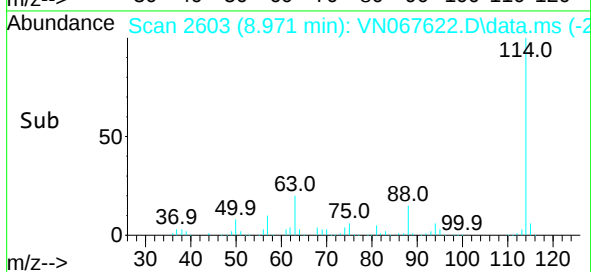
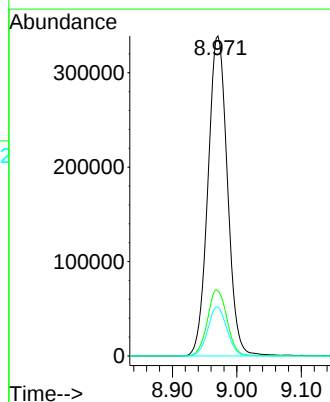
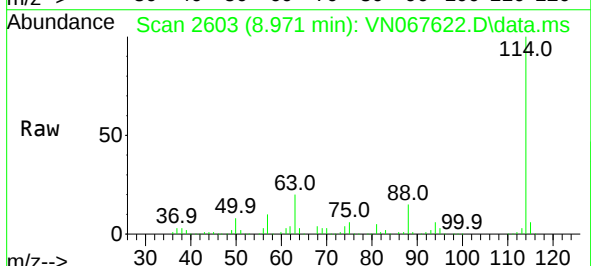
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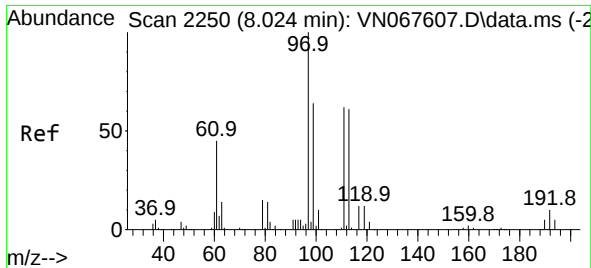


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

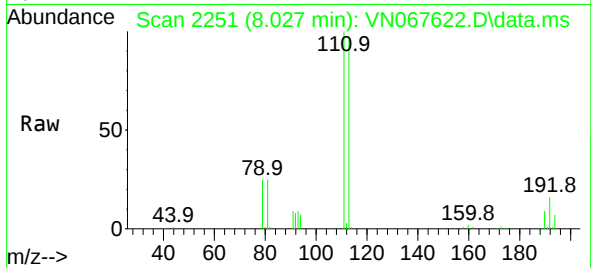
Tgt Ion: 114 Resp: 709847
Ion Ratio Lower Upper
114 100
63 20.4 0.0 49.0
88 15.2 0.0 36.6





#35
Dibromofluoromethane
Concen: 46.267 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

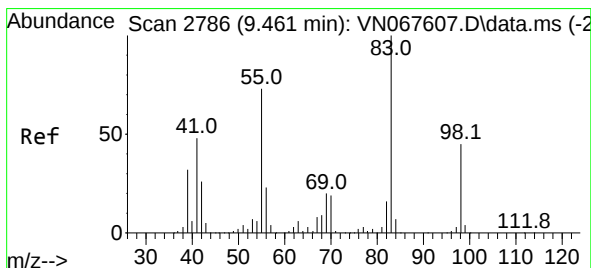
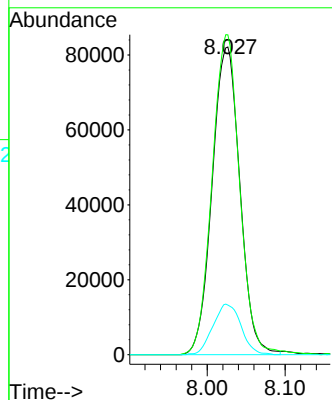
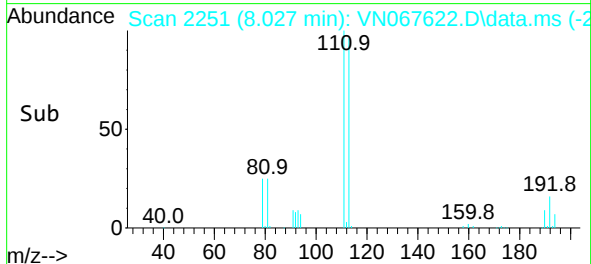
Instrument :
MSVOA_N
ClientSampled :
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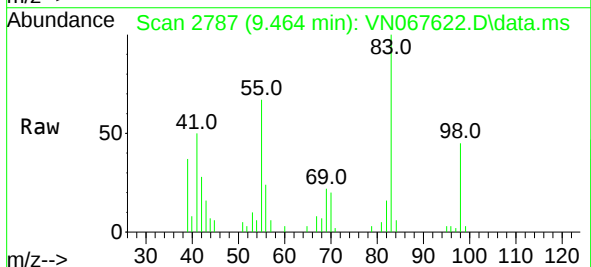
Tgt Ion:113 Resp: 203132
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.8
192 16.7 13.4 20.0

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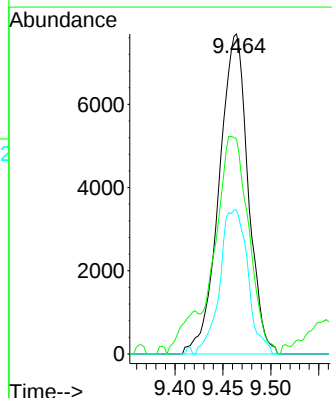
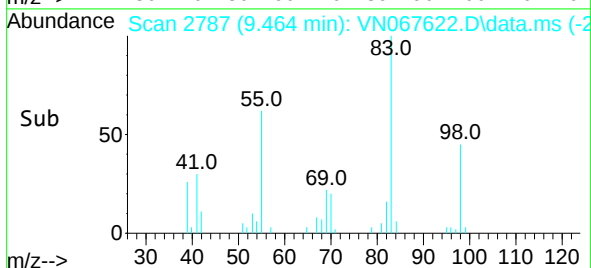
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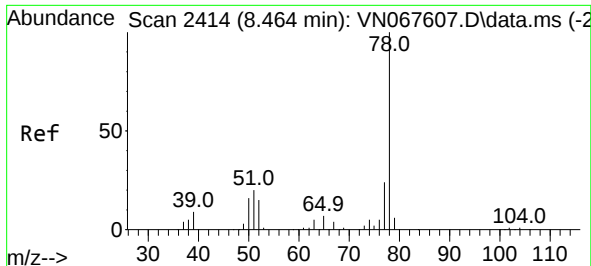


#39
Methylcyclohexane
Concen: 2.204 ug/l
RT: 9.464 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29



Tgt Ion: 83 Resp: 16220
Ion Ratio Lower Upper
83 100
55 67.2 66.6 99.8
98 45.1 35.3 52.9





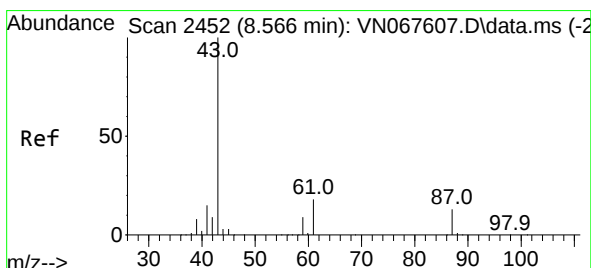
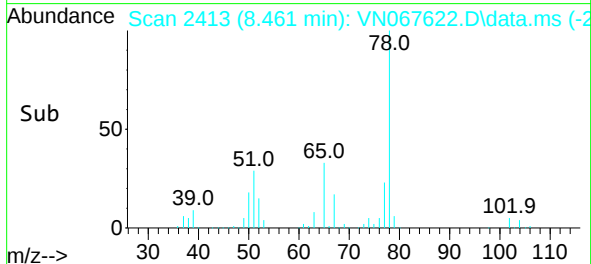
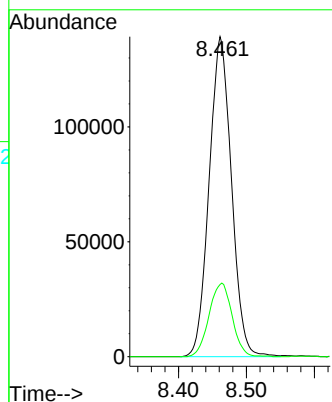
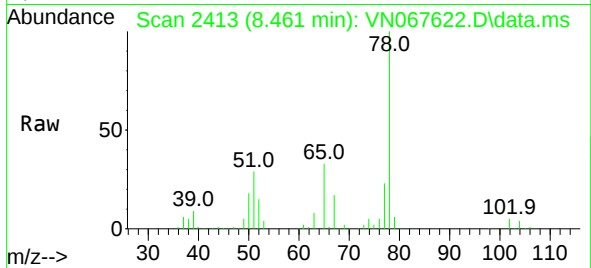
#40
Benzene
Concen: 15.974 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. -0.003 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion: 78 Resp: 317300
Ion Ratio Lower Upper
78 100
77 22.5 18.9 28.3

Instrument :
MSVOA_N
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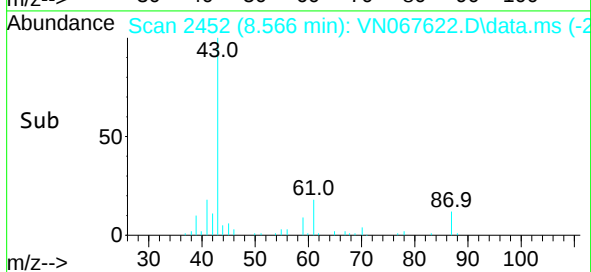
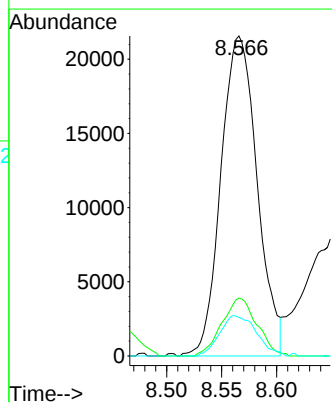
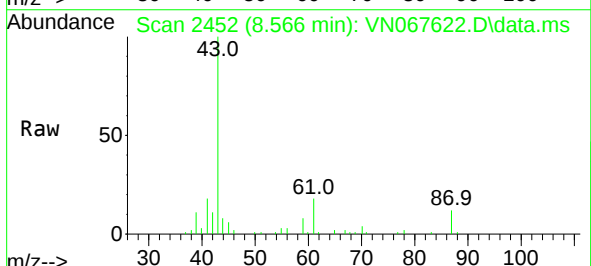
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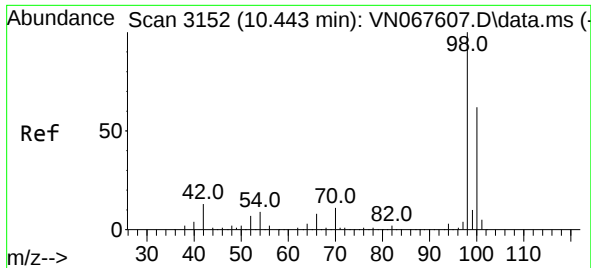
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#43
Isopropyl Acetate
Concen: 4.410 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion: 43 Resp: 49409
Ion Ratio Lower Upper
43 100
61 17.5 19.0 28.4#
87 12.8 9.5 14.3





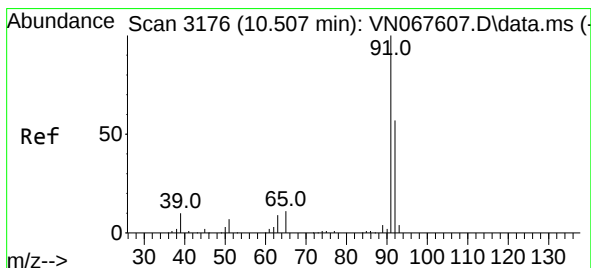
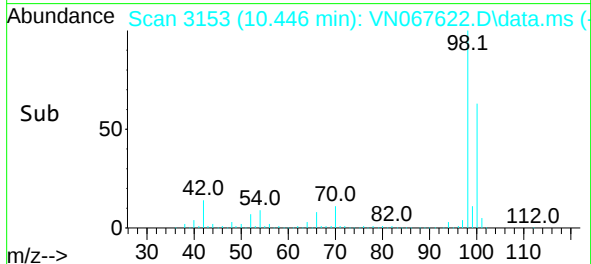
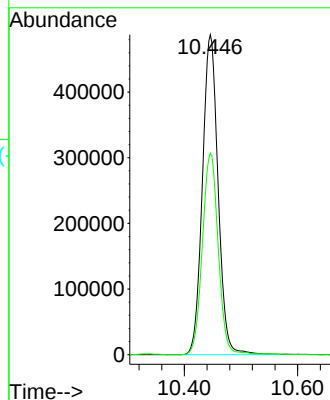
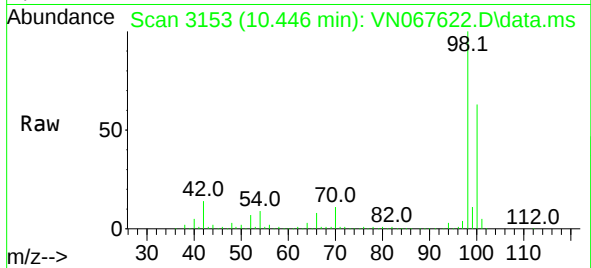
#50
Toluene-d8
Concen: 50.418 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion: 98 Resp: 934251
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

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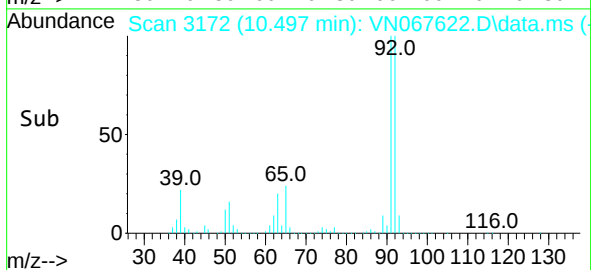
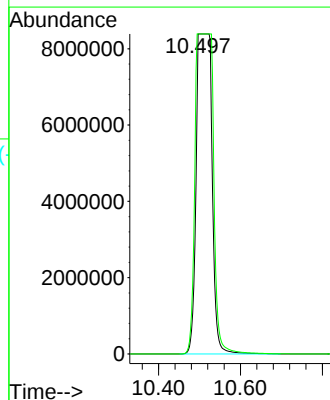
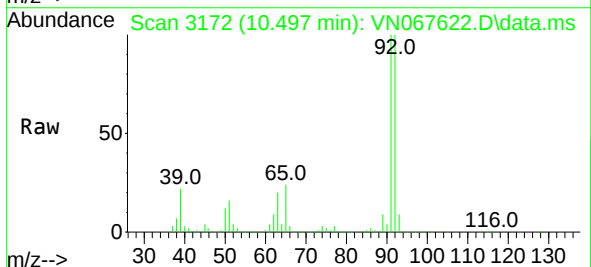
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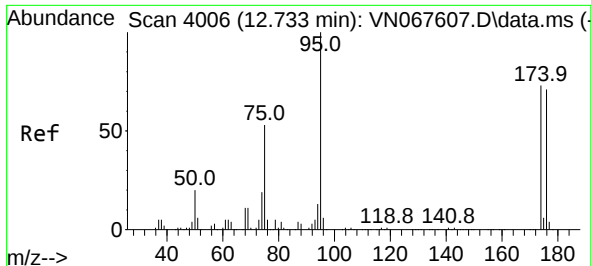
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7/7/2021 8:51:34 AM



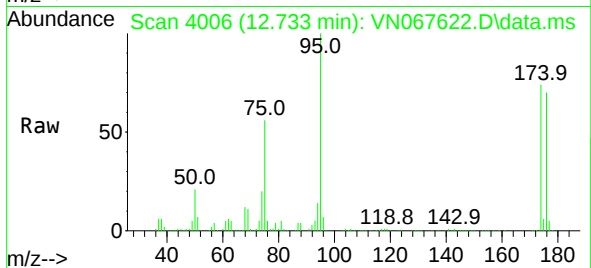
#52
Toluene
Concen: 1687.665 ug/l m
RT: 10.497 min Scan# 3172
Delta R.T. -0.010 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion: 92 Resp: 22326620
Ion Ratio Lower Upper
92 100
91 0.0 139.6 209.4#

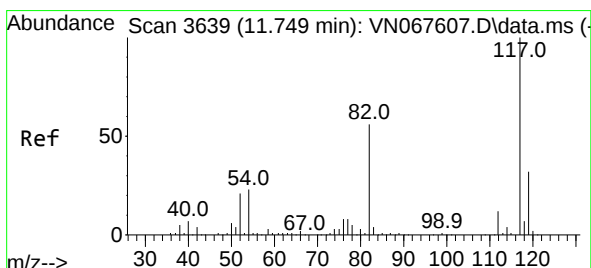
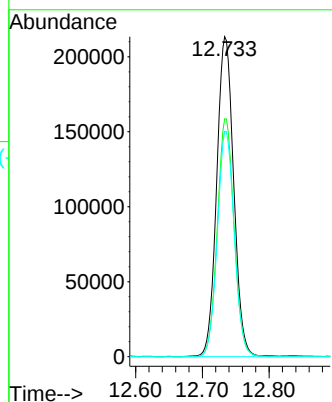
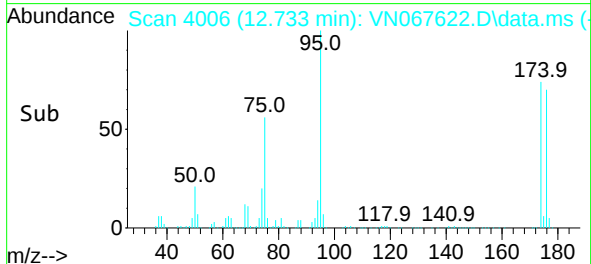




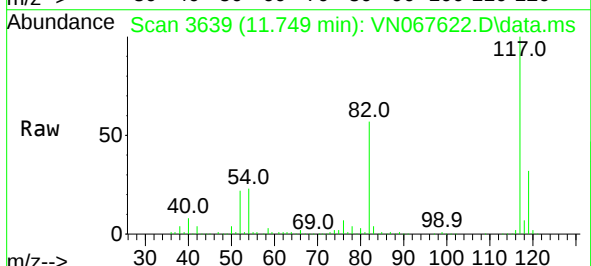
#62
4-Bromofluorobenzene
Concen: 57.076 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29



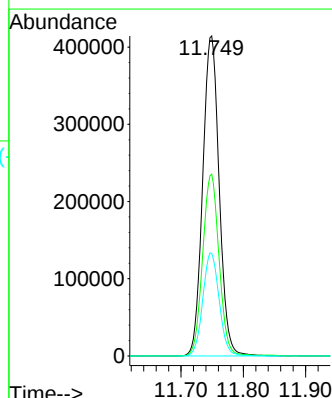
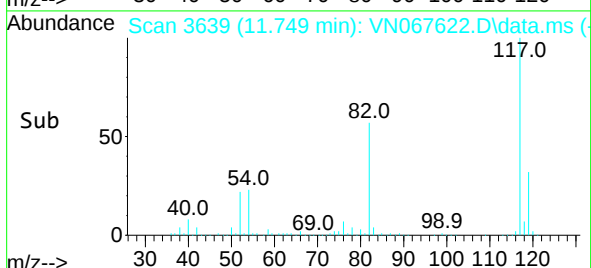
Tgt Ion: 95 Resp: 377303
Ion Ratio Lower Upper
95 100
174 73.3 0.0 122.0
176 69.9 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29



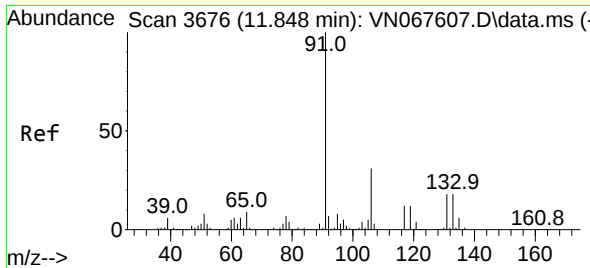
Tgt Ion: 117 Resp: 760854
Ion Ratio Lower Upper
117 100
82 56.8 53.1 79.7
119 32.1 25.5 38.3



Instrument :
MSVOA_N
ClientSampled :
30759

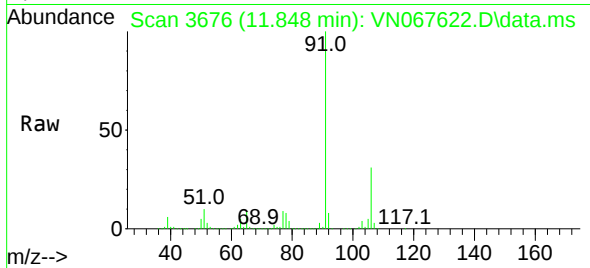
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#67
Ethyl Benzene
Concen: 51.426 ug/l
RT: 11.848 min Scan# 3676
Delta R.T. 0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

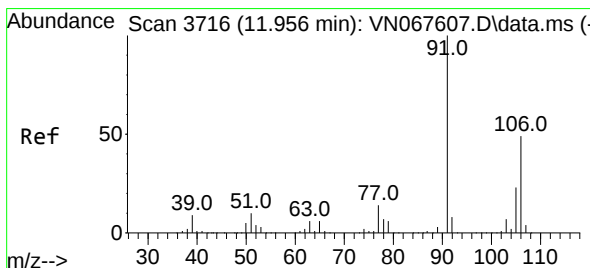
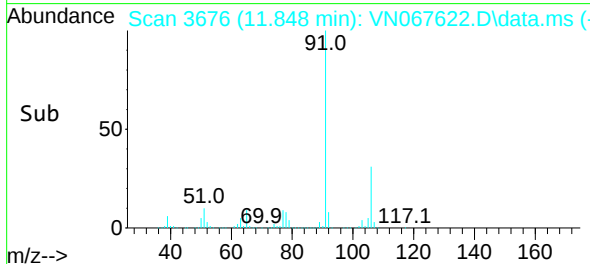
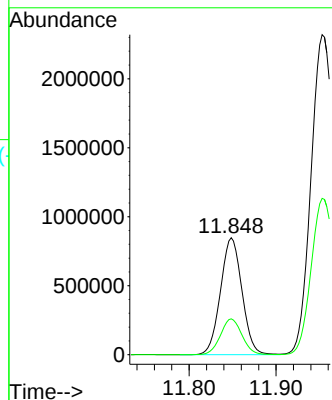
Instrument :
MSVOA_N
ClientSampled :
30759



Tgt Ion: 91 Resp: 1454780
Ion Ratio Lower Upper
91 100
106 30.7 23.4 35.0

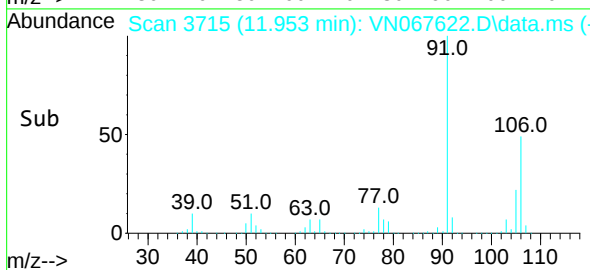
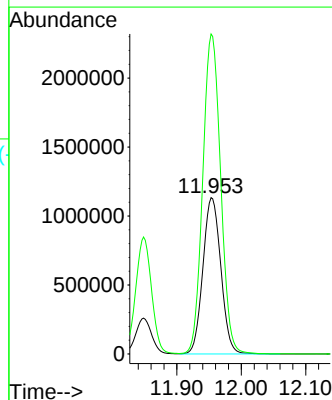
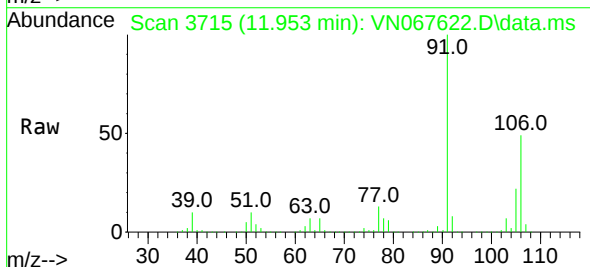
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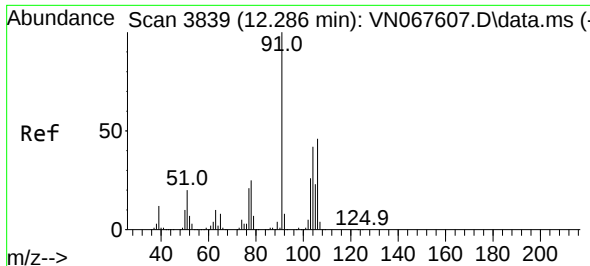
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7/7/2021 8:51:34 AM



#68
m/p-Xylenes
Concen: 201.817 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion:106 Resp: 2187829
Ion Ratio Lower Upper
106 100
91 204.4 180.6 270.8





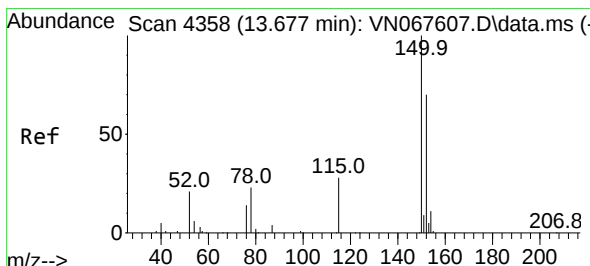
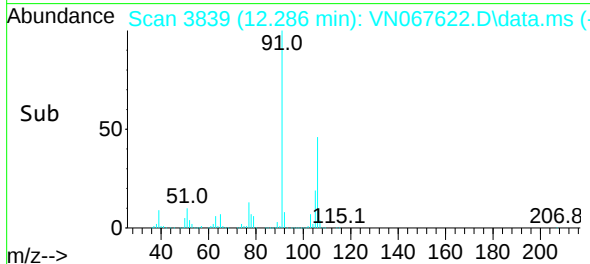
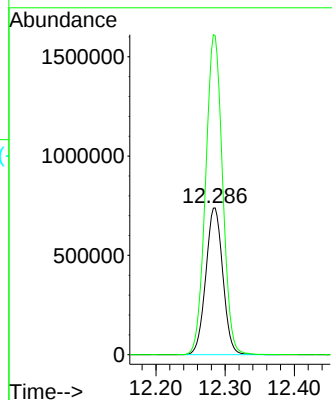
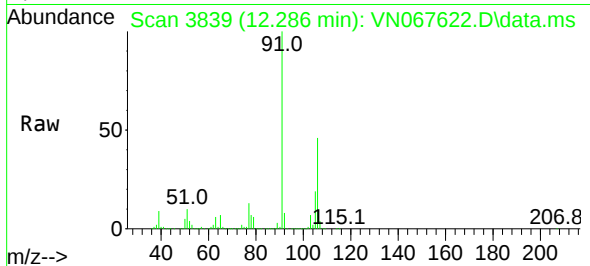
#69
o-Xylene
Concen: 117.388 ug/l
RT: 12.286 min Scan# 3839
Delta R.T. -0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion:106 Resp: 1260118
Ion Ratio Lower Upper
106 100
91 218.0 118.3 354.9

Instrument :
MSVOA_N
ClientSampleId :
30759

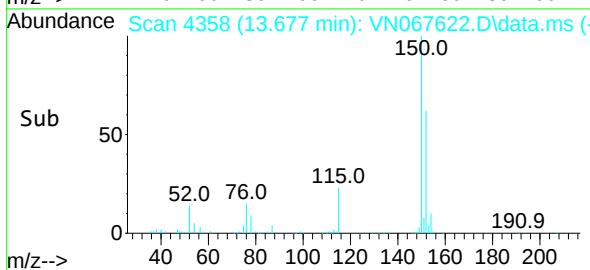
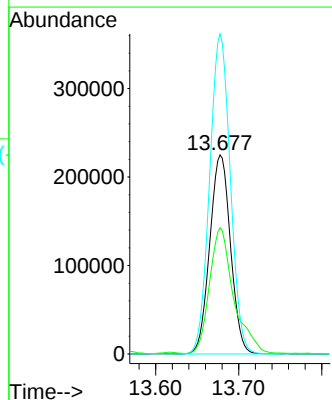
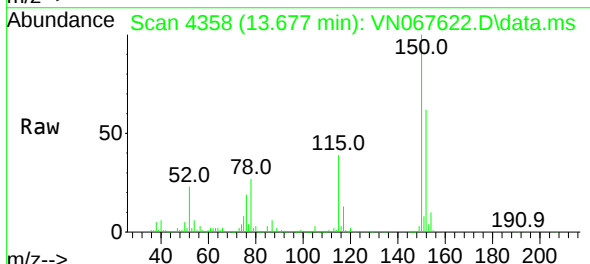
Manual Integrations
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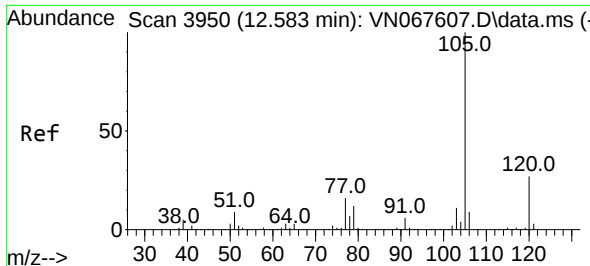
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion:152 Resp: 390383
Ion Ratio Lower Upper
152 100
115 73.1 36.1 108.5
150 159.8 0.0 351.8





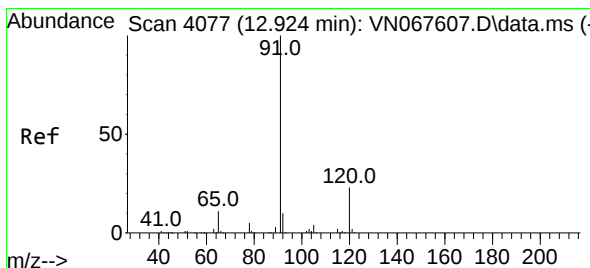
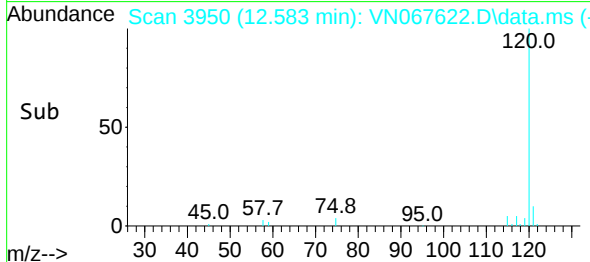
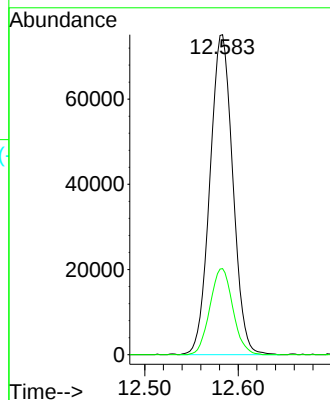
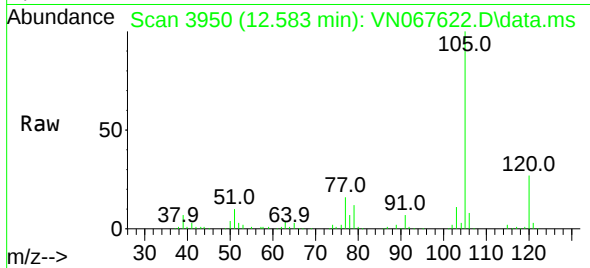
#73
Isopropylbenzene
Concen: 3.934 ug/l
RT: 12.583 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion: 105 Resp: 127810
Ion Ratio Lower Upper
105 100
120 26.9 12.5 37.5

Instrument :
MSVOA_N
ClientSampled :
30759

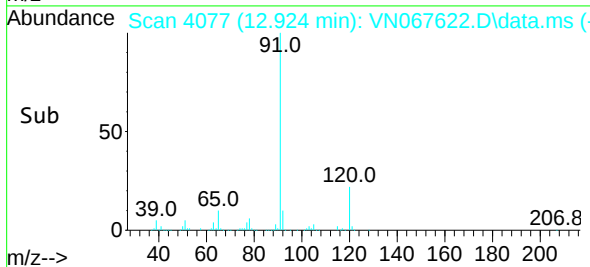
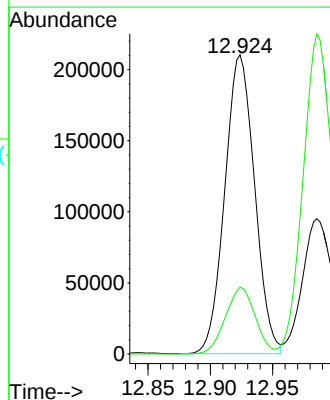
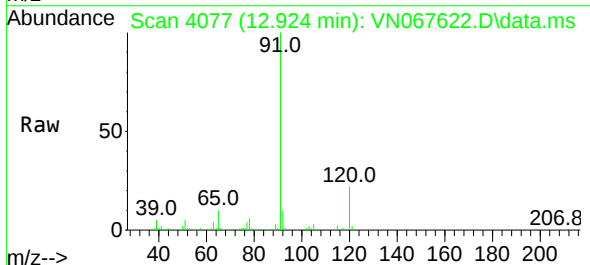
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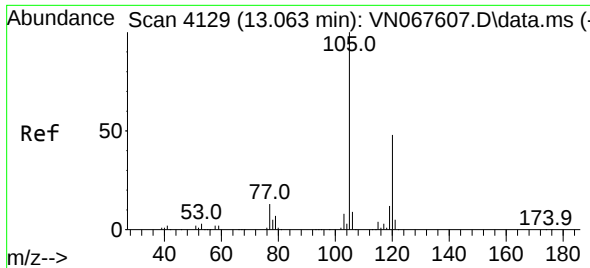
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#78
n-propylbenzene
Concen: 9.713 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion: 91 Resp: 350298
Ion Ratio Lower Upper
91 100
120 22.1 10.4 31.4





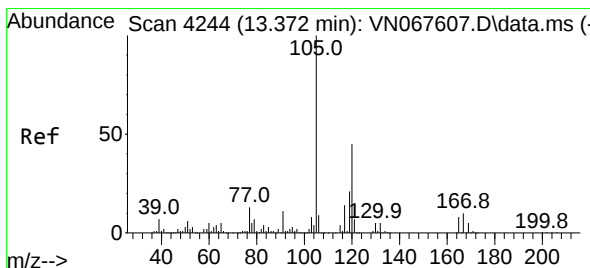
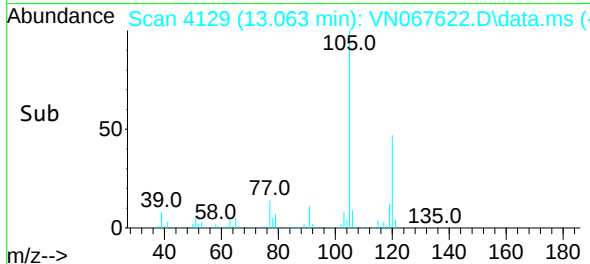
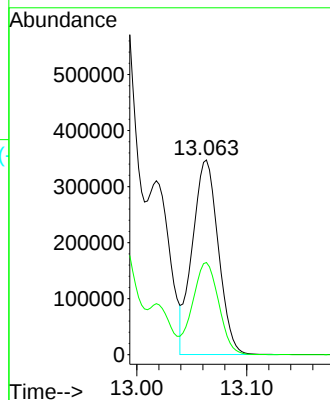
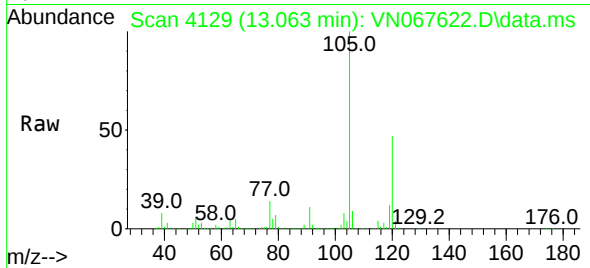
#80
1,3,5-Trimethylbenzene
Concen: 21.771 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion:105 Resp: 570197
Ion Ratio Lower Upper
105 100
120 47.5 22.2 66.6

Instrument :
MSVOA_N
ClientSampled :
30759

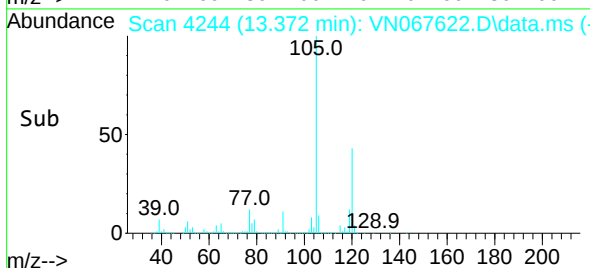
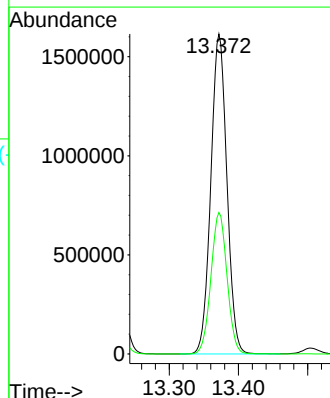
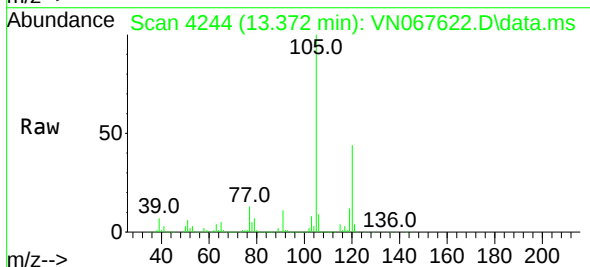
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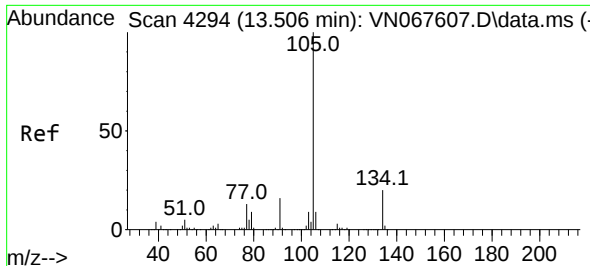
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#84
1,2,4-Trimethylbenzene
Concen: 101.304 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. -0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

Tgt Ion:105 Resp: 2596513
Ion Ratio Lower Upper
105 100
120 44.4 20.6 61.8





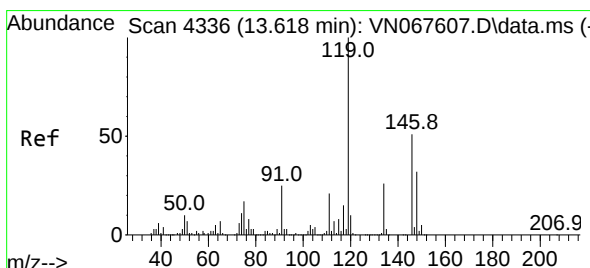
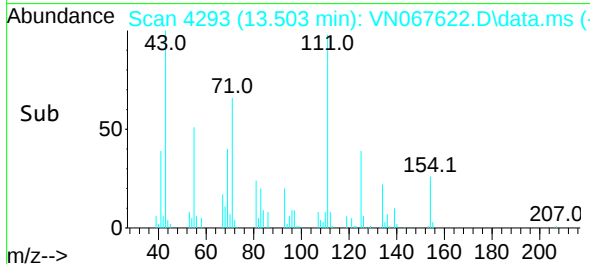
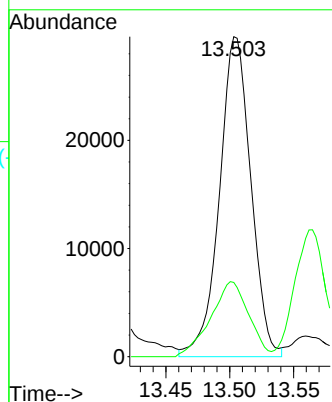
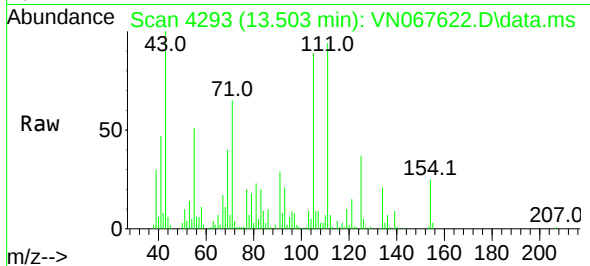
#85
 sec-Butylbenzene
 Concen: 1.670 ug/l m
 RT: 13.503 min Scan# 4293
 Delta R.T. -0.003 min
 Lab File: VN067622.D
 Acq: 2 Jul 2021 17:29

Tgt Ion:105 Resp: 50730
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.0 27.1#

Instrument :
 MSVOA_N
 ClientSampled :
 30759

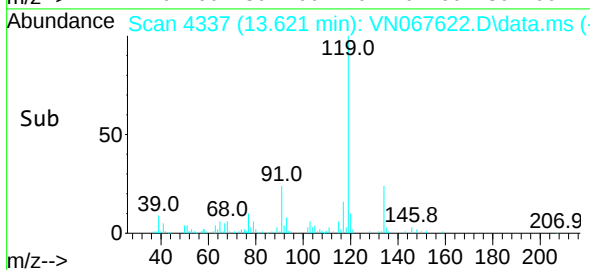
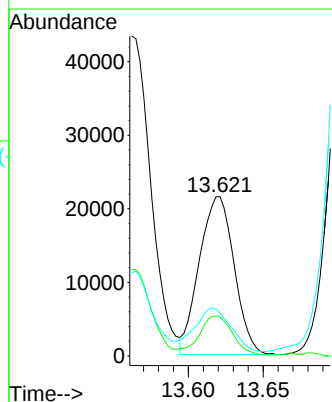
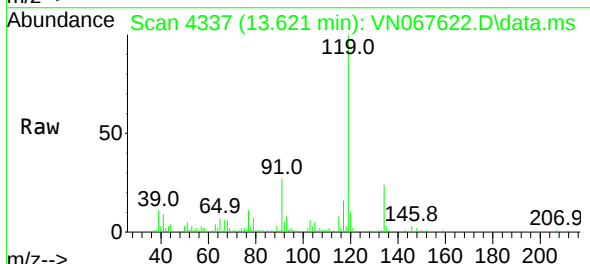
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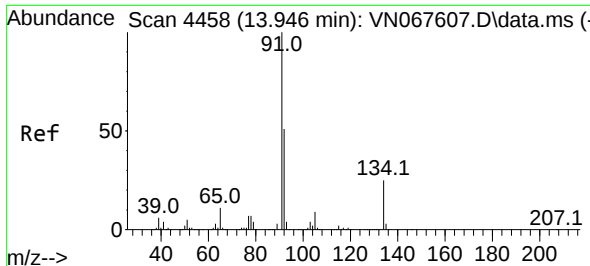
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#86
 p-Isopropyltoluene
 Concen: 1.423 ug/l
 RT: 13.621 min Scan# 4337
 Delta R.T. 0.003 min
 Lab File: VN067622.D
 Acq: 2 Jul 2021 17:29

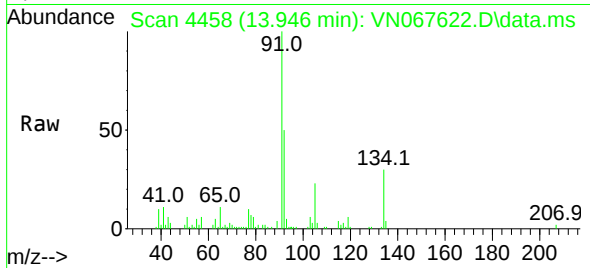
Tgt Ion:119 Resp: 34798
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.4 37.4
 91 28.6 14.8 44.3





#89
n-Butylbenzene
Concen: 1.841 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29

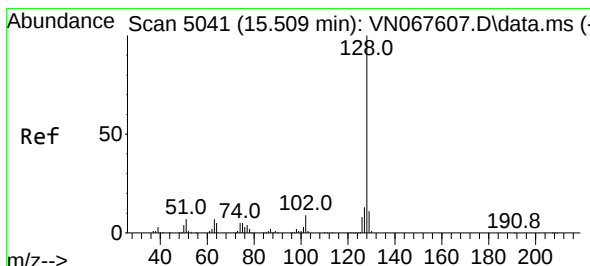
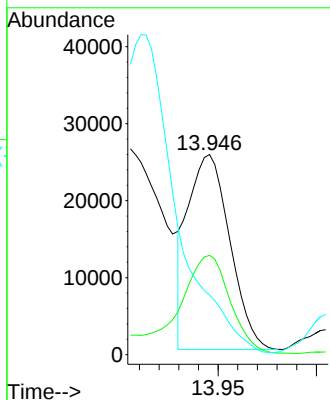
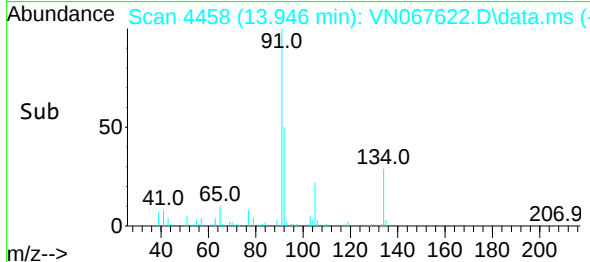
Instrument :
MSVOA_N
ClientSampled :
30759



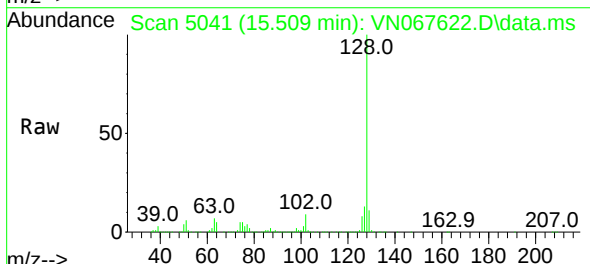
Tgt Ion: 91 Resp: 37447
Ion Ratio Lower Upper
91 100
92 58.0 25.7 77.1
134 0.0 11.2 33.6#

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#95
Naphthalene
Concen: 38.041 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067622.D
Acq: 2 Jul 2021 17:29



Tgt Ion: 128 Resp: 704926
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.6 8.6 12.8

