

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070173.D
 Acq On : 17 Dec 2021 19:09
 Operator : JC/MD
 Sample : M5039-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-29

Quant Time: Dec 18 05:47:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/20/2021
 Supervised By : Mahesh Dadoda 12/23/2021

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

Internal Standards						12/20/2021
1) Pentafluorobenzene	8.086	168	941555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1582608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1520118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	716106	50.000	ug/l	# 0.00
System Monitoring Compounds						12/23/2021
33) 1,2-Dichloroethane-d4	8.440	65	731945	50.348	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.700%	
35) Dibromofluoromethane	8.024	113	480296	48.451	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.900%	
50) Toluene-d8	10.443	98	1987935	49.943	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.880%	
62) 4-Bromofluorobenzene	12.731	95	816949	56.653	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 113.300%	
Target Compounds						Qvalue
3) Chloromethane	2.303	50	4974	0.362	ug/l	91
11) Tert butyl alcohol	5.385	59	8970784	3264.520	ug/l	99
16) Acetone	4.291	43	2111410	241.441	ug/l	97
17) Carbon Disulfide	4.521	76	20157	0.870	ug/l	96
19) Methyl tert-butyl Ether	5.618	73	29113982	834.866	ug/l	# 85
22) Diisopropyl ether	6.501	45	676135	17.117	ug/l	88
25) 2-Butanone	7.340	43	1739955	146.437	ug/l	92
31) Cyclohexane	8.096	56	1742544	86.131	ug/l	89
39) Methylcyclohexane	9.462	83	1405777	78.445	ug/l	89
40) Benzene	8.461	78	19107991	414.933	ug/l	97
51) 4-Methyl-2-Pentanone	10.333	43	239543	11.128	ug/l	93
52) Toluene	10.505	92	5061642	180.035	ug/l	98
67) Ethyl Benzene	11.827	91	26452973m	472.224	ug/l	
68) m/p-Xylenes	11.940	106	28392075m	1392.006	ug/l	
69) o-Xylene	12.280	106	14370779	699.483	ug/l	# 1
73) Isopropylbenzene	12.578	105	7424846	116.535	ug/l	98
78) n-propylbenzene	12.913	91	17583159m	248.003	ug/l	
80) 1,3,5-Trimethylbenzene	13.047	105	20518973m	400.122	ug/l	
84) 1,2,4-Trimethylbenzene	13.350	105	27976498m	572.836	ug/l	
85) sec-Butylbenzene	13.501	105	602402	9.780	ug/l	# 64
86) p-Isopropyltoluene	13.616	119	307346m	6.384	ug/l	

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

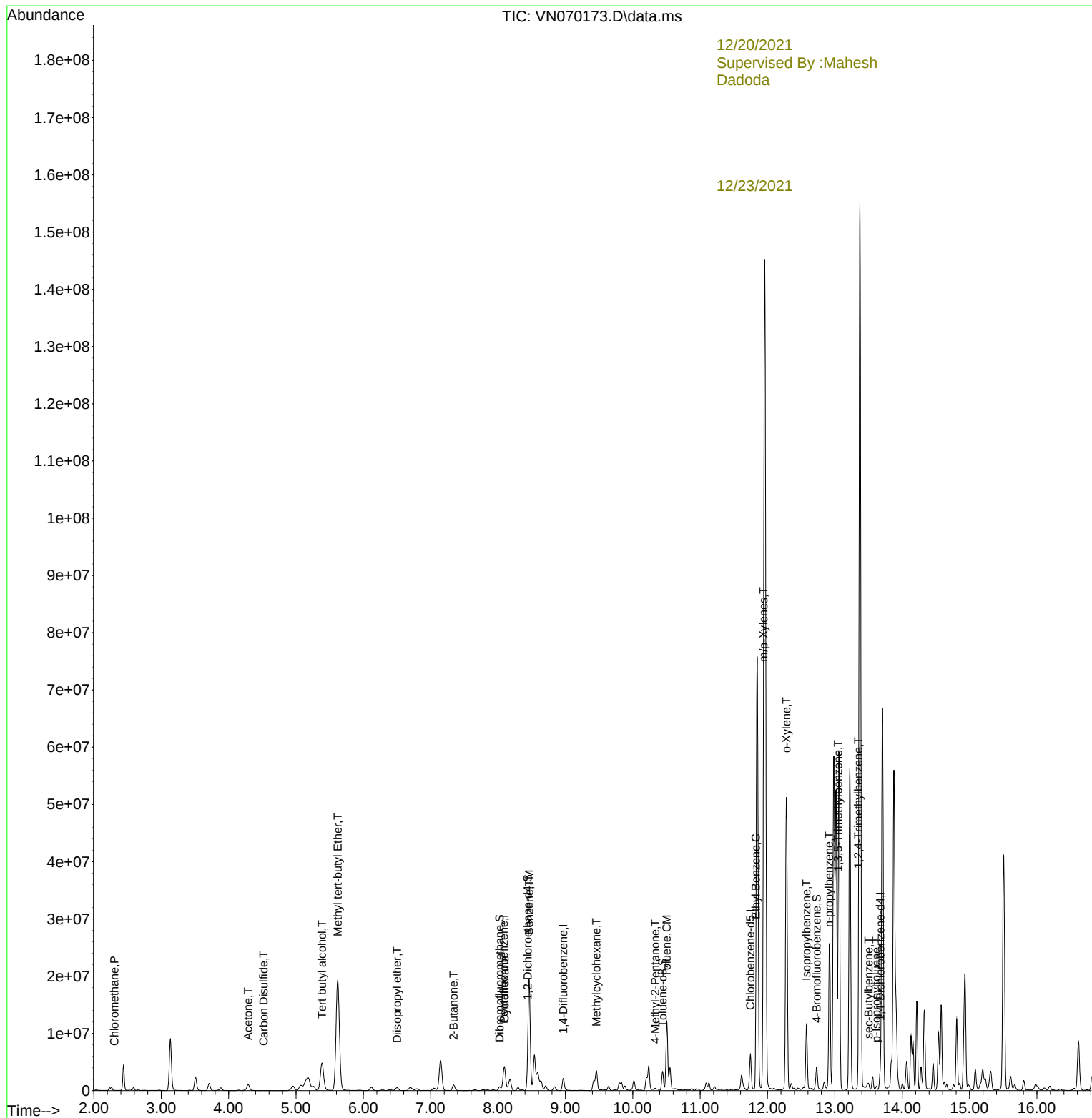
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070173.D
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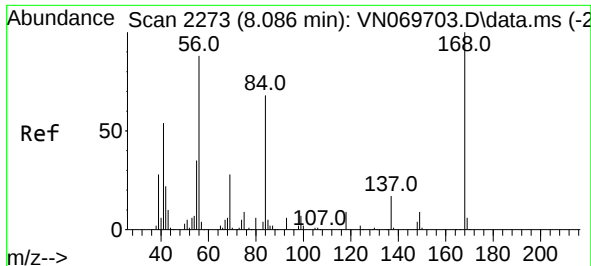
Instrument :
MSVOA_N
ClientSampleId :
MW-29

Quant Time: Dec 18 05:47:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

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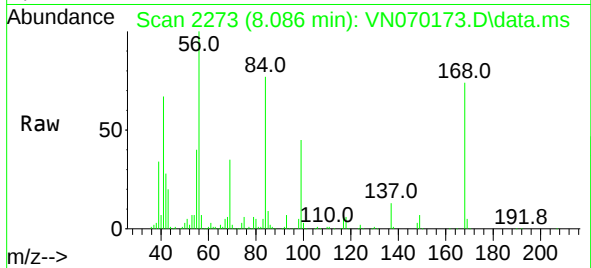
Reviewed By :John Carlone 12/20/2021
Supervised By :Mahesh Dadoda 12/23/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

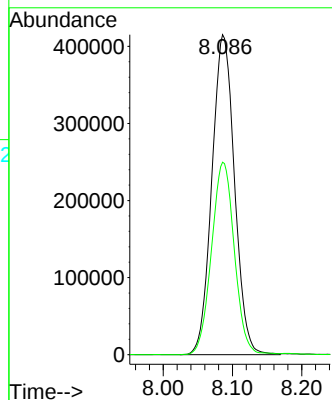
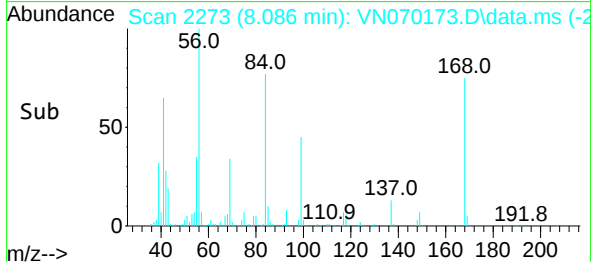
Instrument :
MSVOA_N
ClientSampleId :
MW-29



Tgt Ion: 168 Resp: 94155
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9

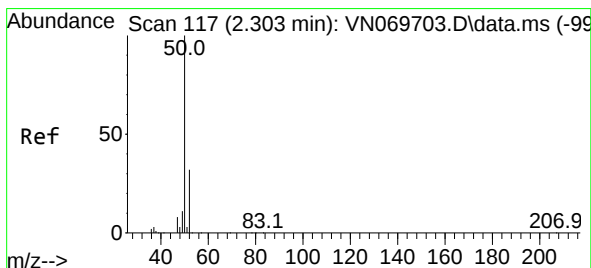
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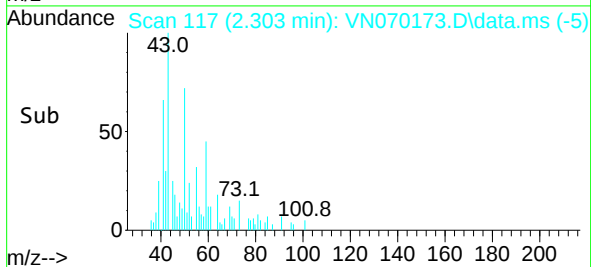
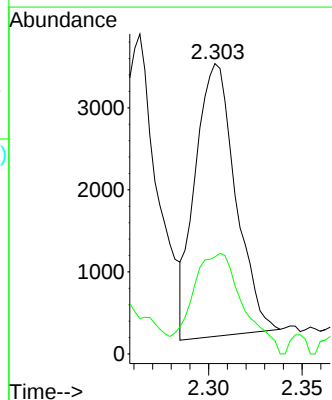
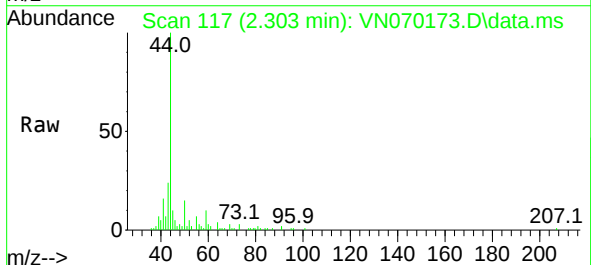
12/20/2021
Supervised By :Mahesh
Dadoda

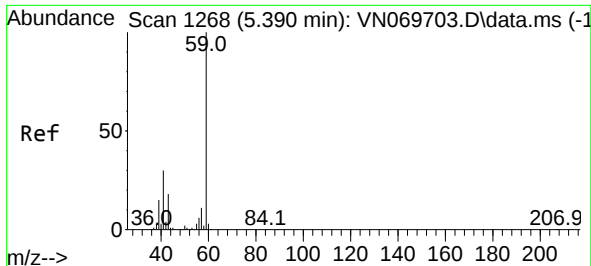
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#3
Chloromethane
Concen: 0.362 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

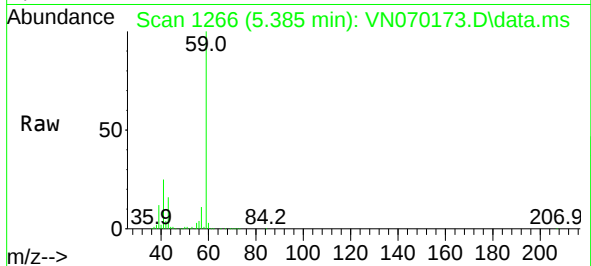
Tgt Ion: 50 Resp: 4974
Ion Ratio Lower Upper
50 100
52 36.5 25.4 38.0





#11
Tert butyl alcohol
Concen: 3264.520 ug/l
RT: 5.385 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

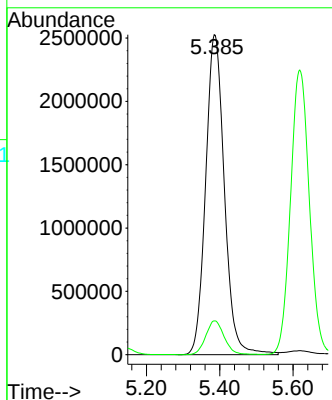
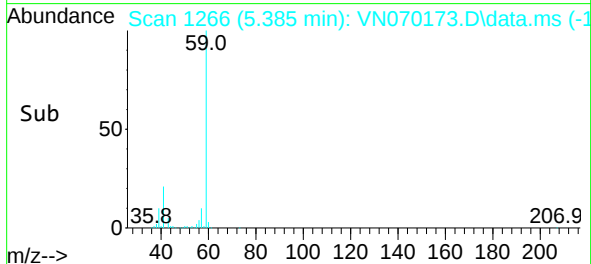
Instrument :
MSVOA_N
ClientSampleId :
MW-29



Tgt Ion: 59 Resp: 8970784
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1

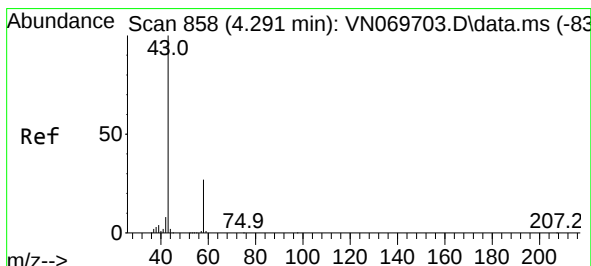
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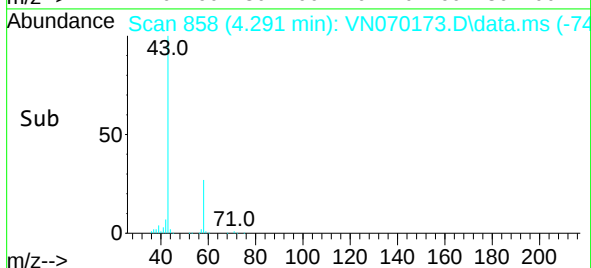
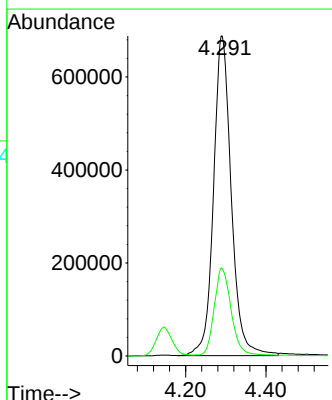
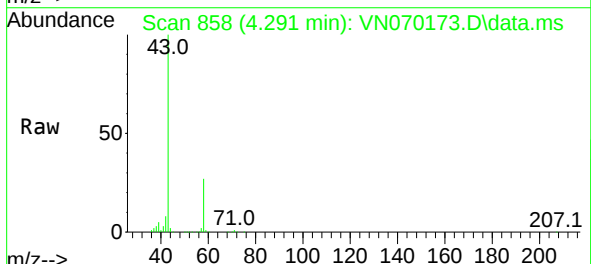
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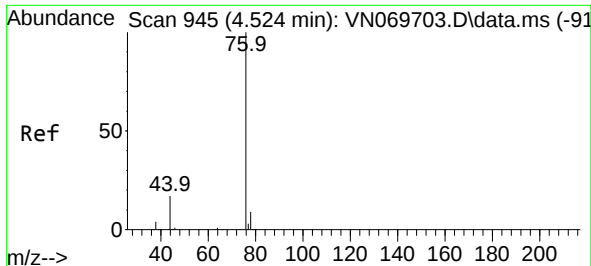
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#16
Acetone
Concen: 241.441 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

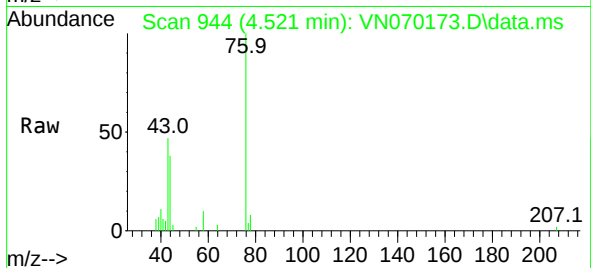
Tgt Ion: 43 Resp: 2111410
Ion Ratio Lower Upper
43 100
58 27.1 23.1 34.7





#17
Carbon Disulfide
Concen: 0.870 ug/l
RT: 4.521 min Scan# 945
Delta R.T. -0.002 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

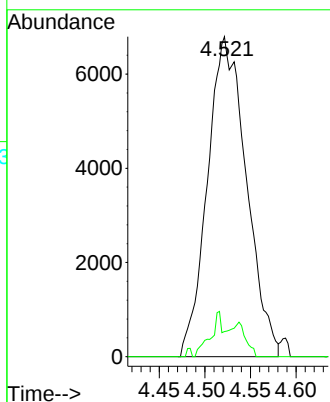
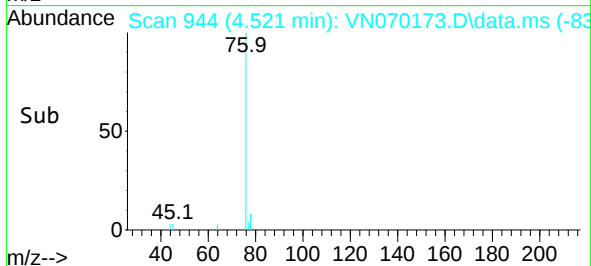
Instrument :
MSVOA_N
ClientSampleId :
MW-29



Tgt Ion: 76 Resp: 2015
Ion Ratio Lower Upper
76 100
78 7.8 7.5 11.3

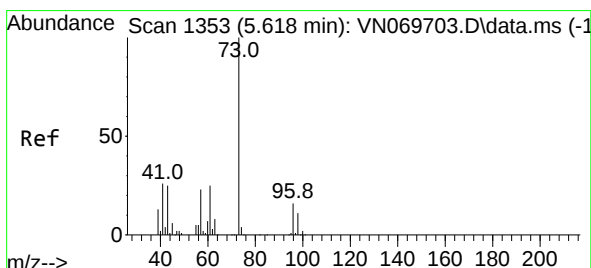
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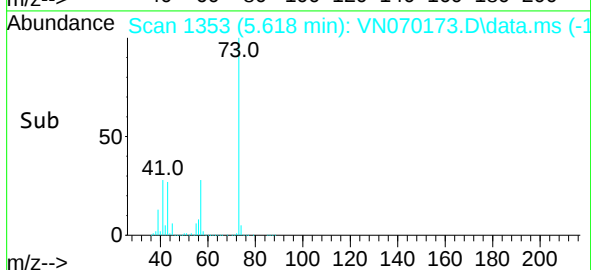
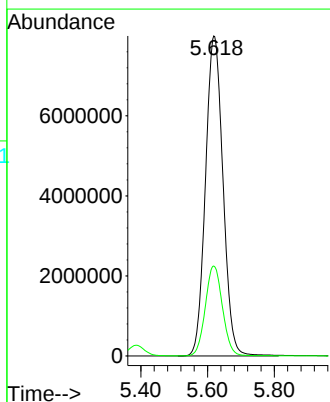
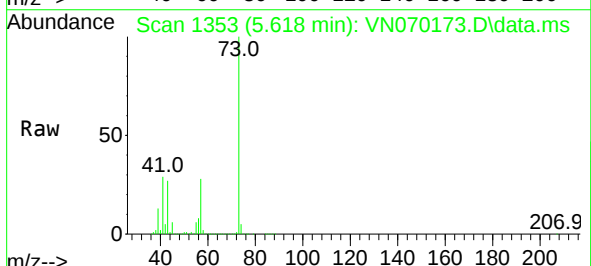
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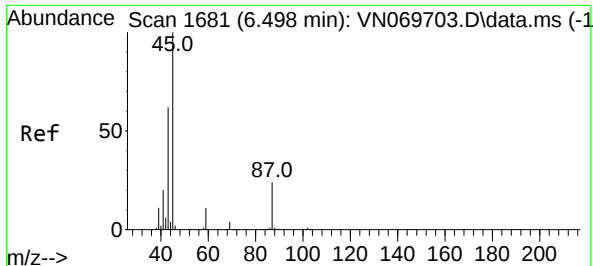
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#19
Methyl tert-butyl Ether
Concen: 834.866 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

Tgt Ion: 73 Resp:29113982
Ion Ratio Lower Upper
73 100
57 28.1 16.8 25.2#





#22

Diisopropyl ether

Concen: 17.117 ug/l

RT: 6.501 min Scan# 1

Delta R.T. 0.003 min

Lab File: VN070173.D

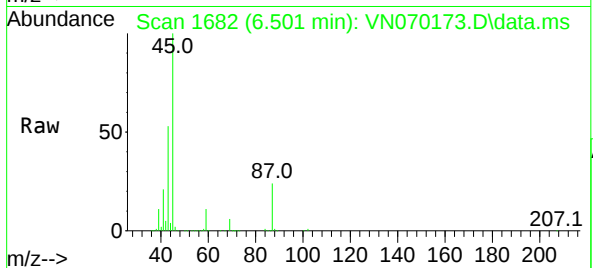
Acq: 17 Dec 2021 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW-29



Tgt Ion: 45 Resp: 67613

Ion Ratio Lower Upper

45 100

43 52.8 51.7 77.5

87 23.6 23.2 34.8

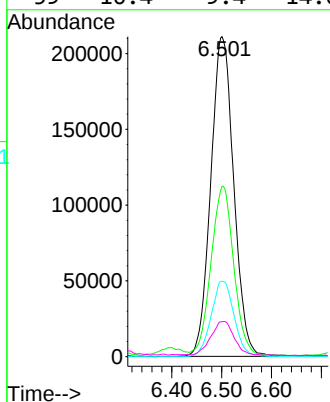
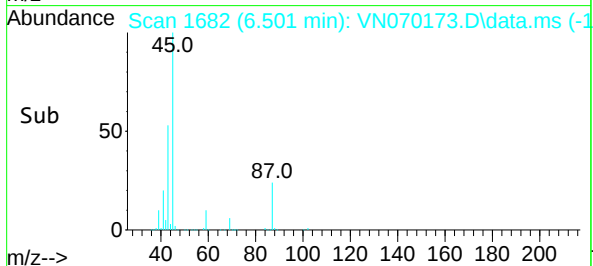
59 10.4 9.4 14.0

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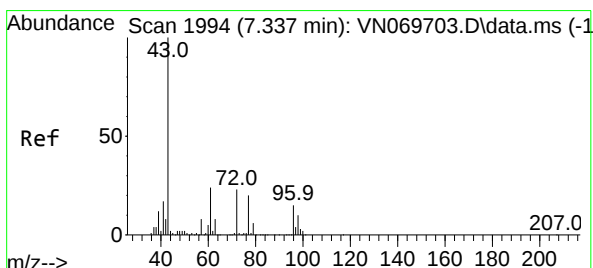
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#25

2-Butanone

Concen: 146.437 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. 0.003 min

Lab File: VN070173.D

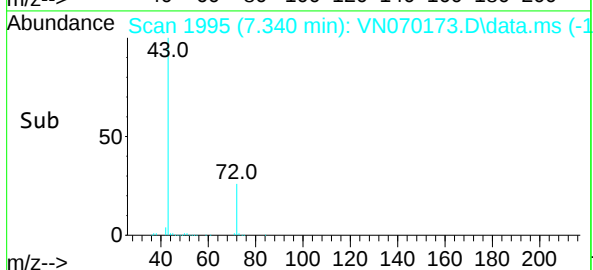
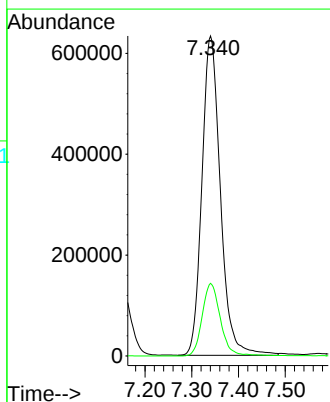
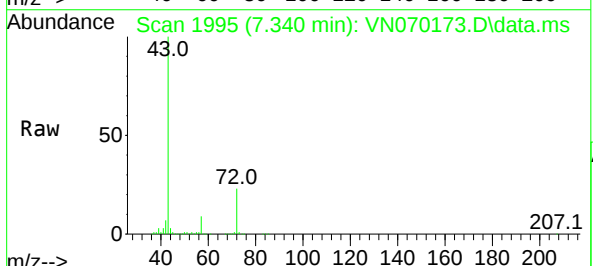
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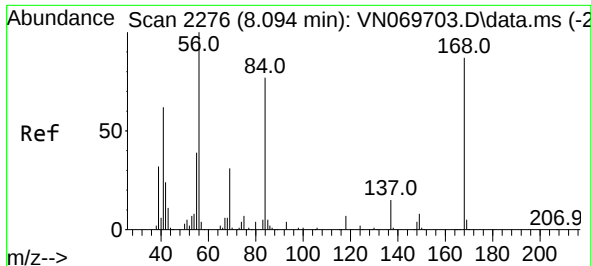
Tgt Ion: 43 Resp: 1739955

Ion Ratio Lower Upper

43 100

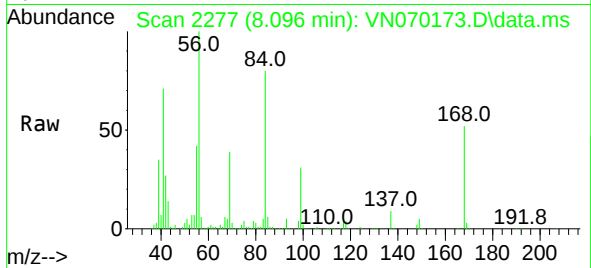
72 22.7 21.7 32.5





#31
Cyclohexane
Concen: 86.131 ug/l
RT: 8.096 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

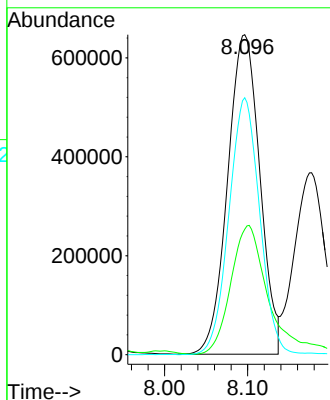
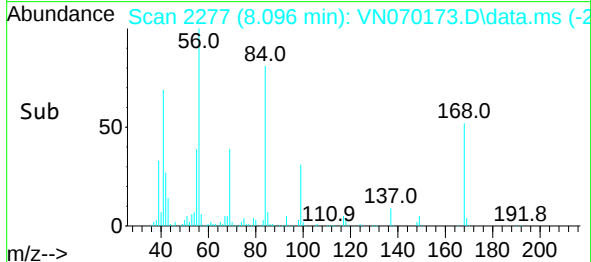
Instrument :
MSVOA_N
ClientSampleId :
MW-29



Tgt Ion: 56 Resp: 1742544
Ion Ratio Lower Upper
56 100
69 38.7 27.1 40.7
84 80.4 73.4 110.0

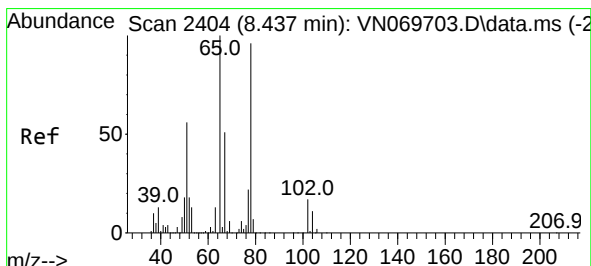
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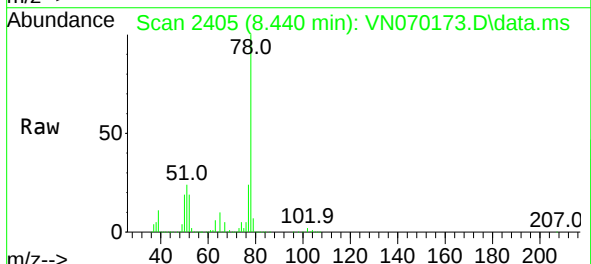


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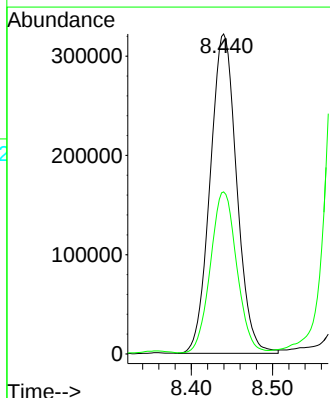
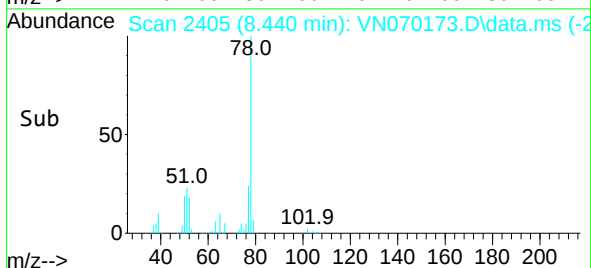
12/23/2021

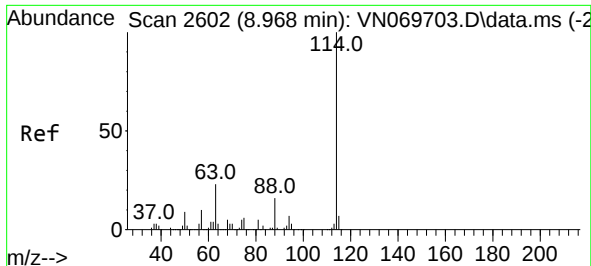


#33
1,2-Dichloroethane-d4
Concen: 50.348 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09



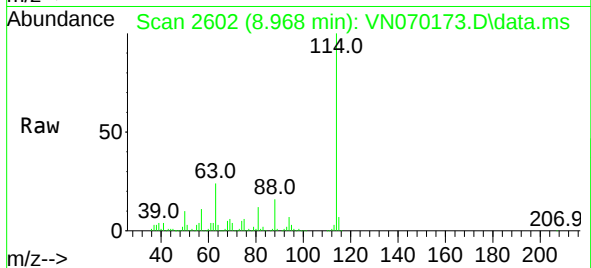
Tgt Ion: 65 Resp: 731945
Ion Ratio Lower Upper
65 100
67 49.9 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

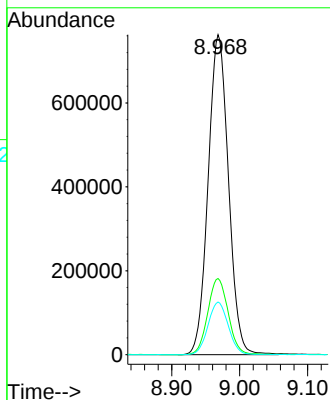
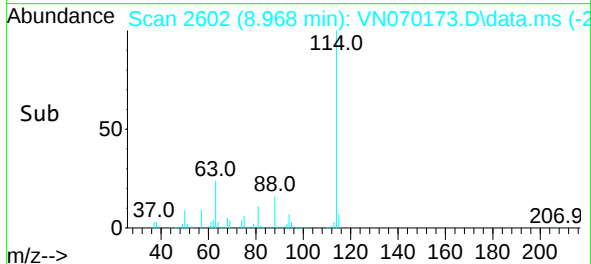
Instrument :
MSVOA_N
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Tgt Ion:114 Resp: 1582608
Ion Ratio Lower Upper
114 100
63 23.8 0.0 37.8
88 16.4 0.0 27.4

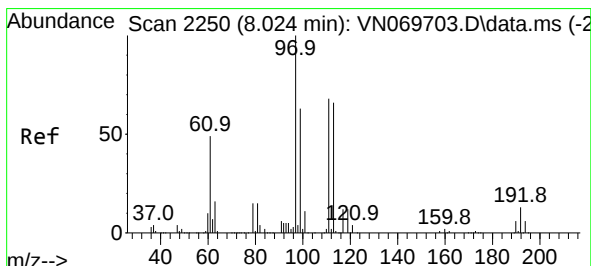
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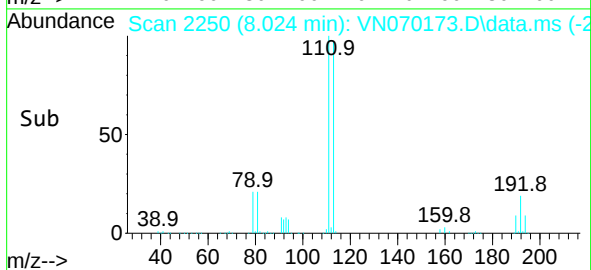
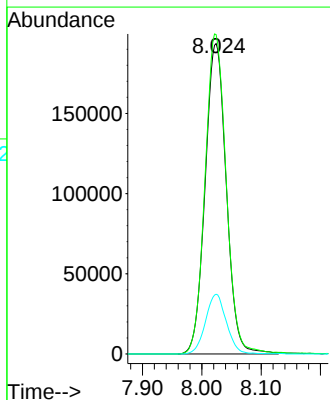
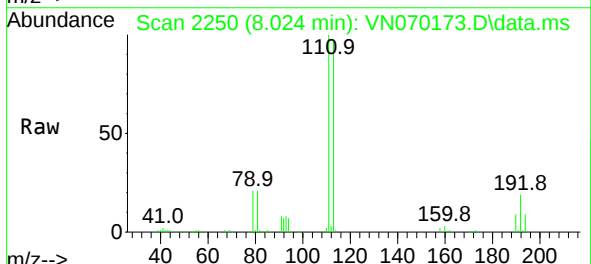
12/20/2021
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Dadoda

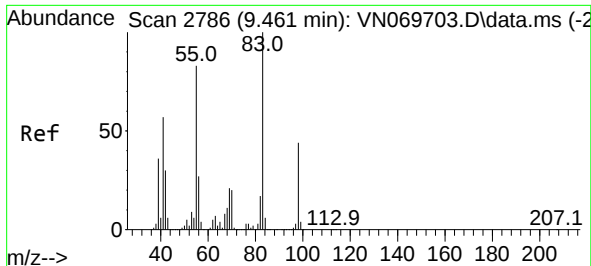
12/23/2021



#35
Dibromofluoromethane
Concen: 48.451 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

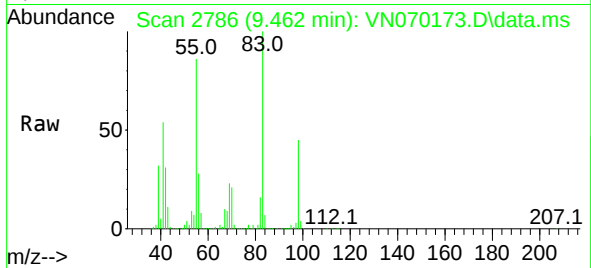
Tgt Ion:113 Resp: 480296
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 18.8 16.9 25.3





#39
Methylcyclohexane
Concen: 78.445 ug/l
RT: 9.462 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

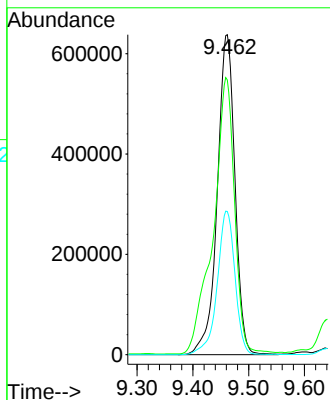
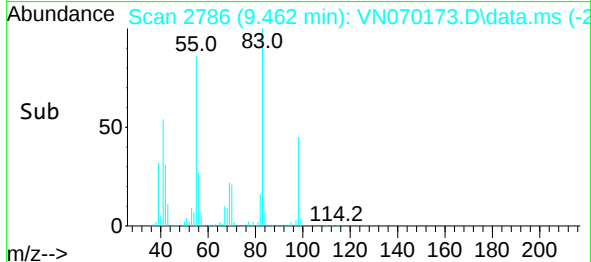
Instrument :
MSVOA_N
ClientSampleId :
MW-29



Tgt Ion: 83 Resp: 140577
Ion Ratio Lower Upper
83 100
55 85.6 58.1 87.1
98 44.8 38.4 57.6

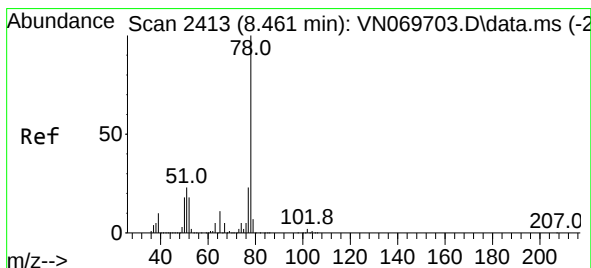
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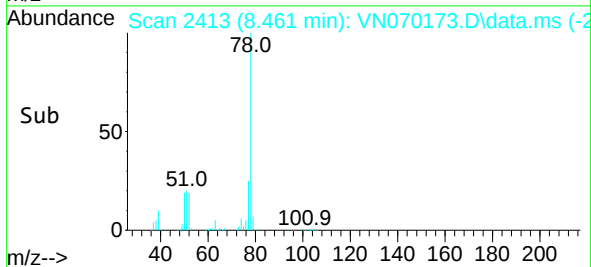
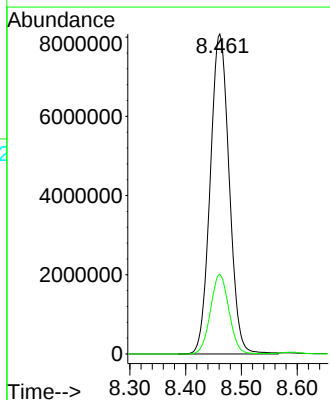
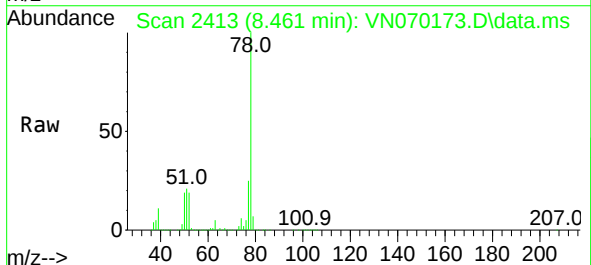
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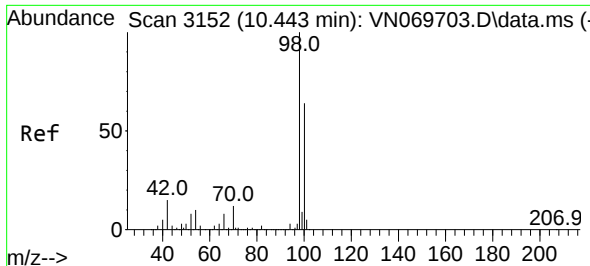
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#40
Benzene
Concen: 414.933 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

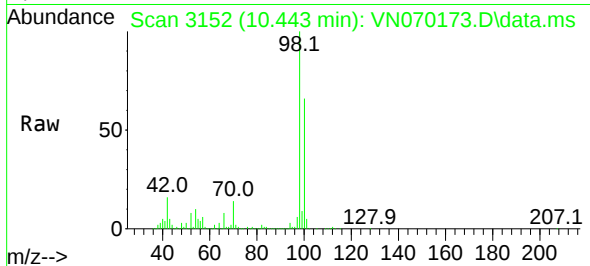
Tgt Ion: 78 Resp:19107991
Ion Ratio Lower Upper
78 100
77 24.9 18.6 27.8





#50
Toluene-d8
Concen: 49.943 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

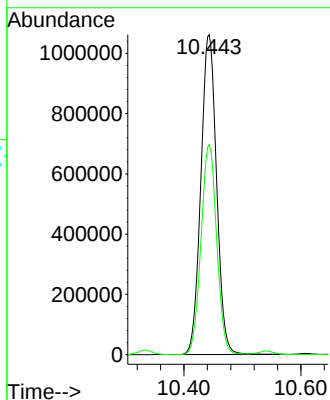
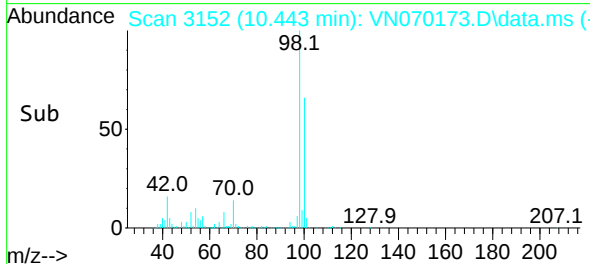
Instrument :
MSVOA_N
ClientSampleId :
MW-29



Tgt Ion: 98 Resp: 198793
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6

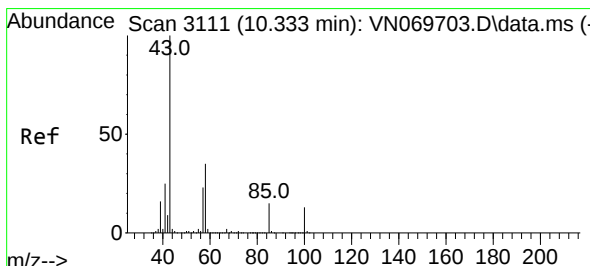
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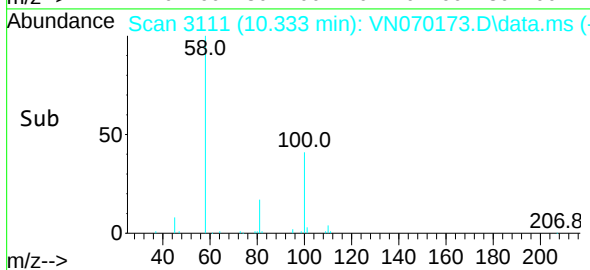
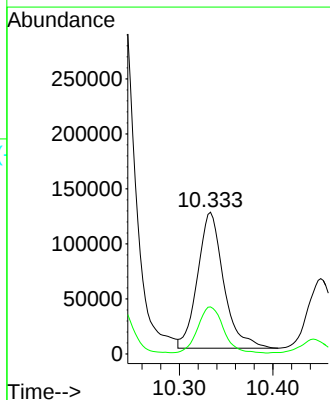
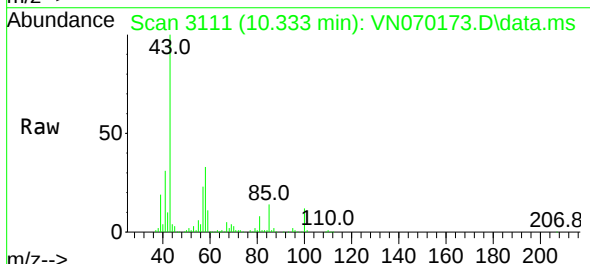
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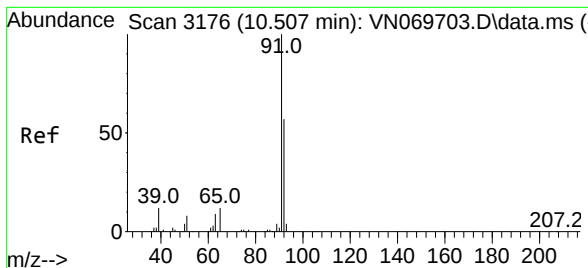
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#51
4-Methyl-2-Pentanone
Concen: 11.128 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

Tgt Ion: 43 Resp: 239543
Ion Ratio Lower Upper
43 100
58 33.6 30.4 45.6





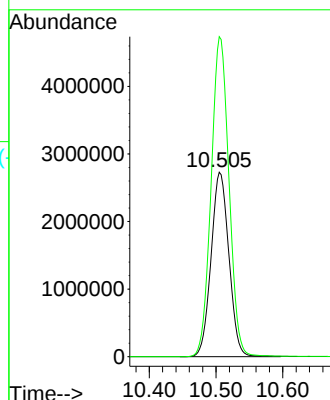
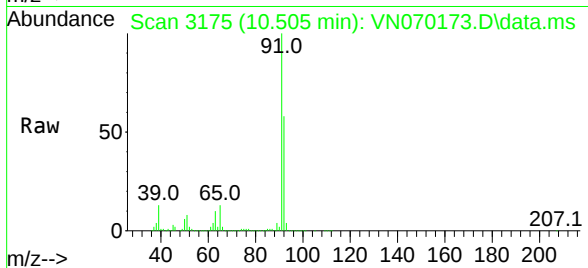
#52
Toluene
Concen: 180.035 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.002 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

Instrument :
MSVOA_N
ClientSampleId :
MW-29

Tgt Ion: 92 Resp: 506164
Ion Ratio Lower Upper
92 100
91 174.0 142.0 213.0

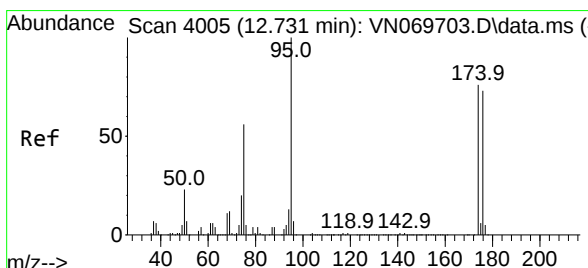
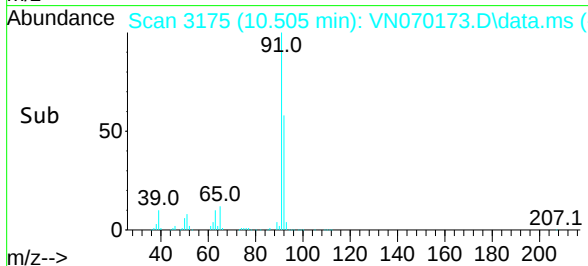
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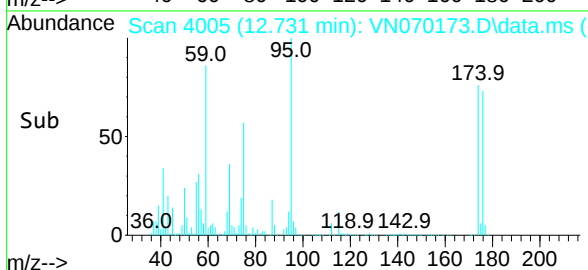
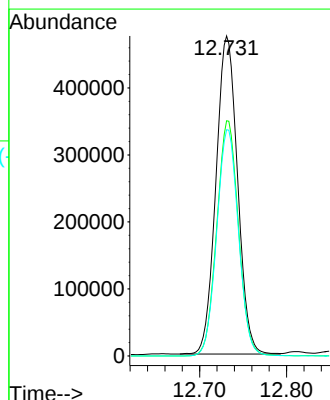
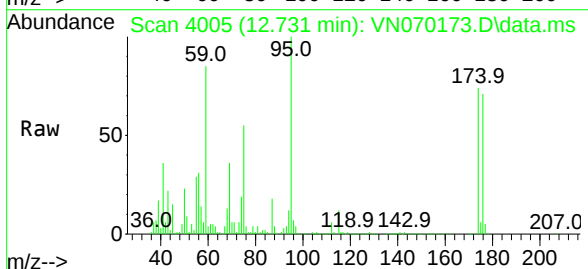
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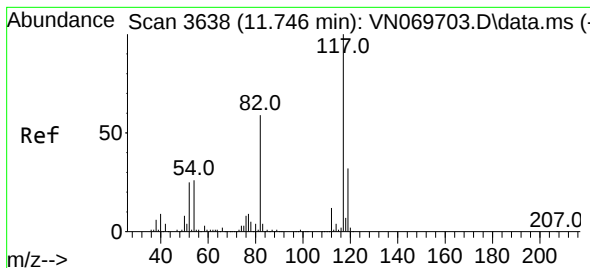
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#62
4-Bromofluorobenzene
Concen: 56.653 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

Tgt Ion: 95 Resp: 816949
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 71.7 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.747 min Scan# 30

Delta R.T. 0.001 min

Lab File: VN070173.D

Acq: 17 Dec 2021 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW-29

Tgt Ion:117 Resp: 1520118

Ion Ratio Lower Upper

117 100

82 59.9 42.4 63.6

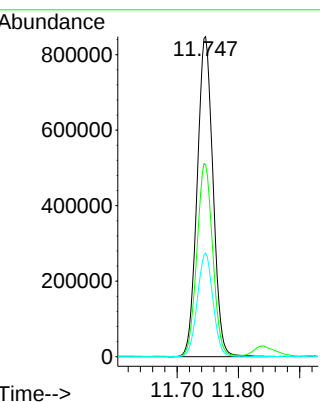
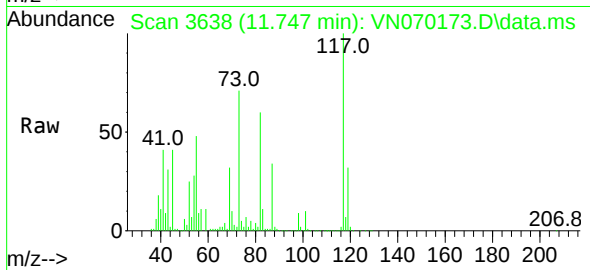
119 32.4 25.4 38.2

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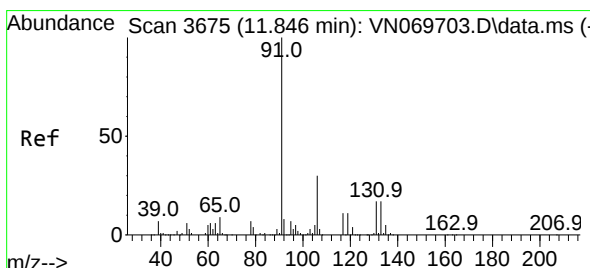
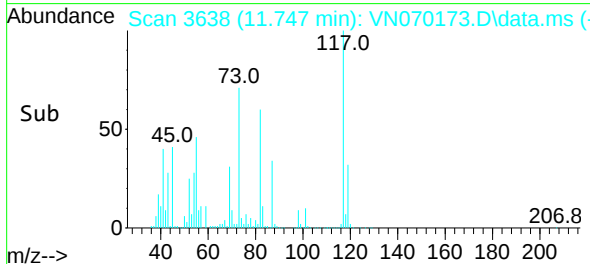
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#67

Ethyl Benzene

Concen: 472.224 ug/l m

RT: 11.827 min Scan# 3668

Delta R.T. -0.019 min

Lab File: VN070173.D

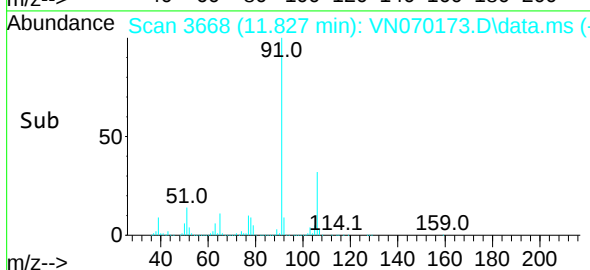
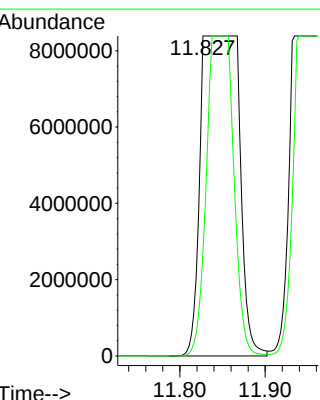
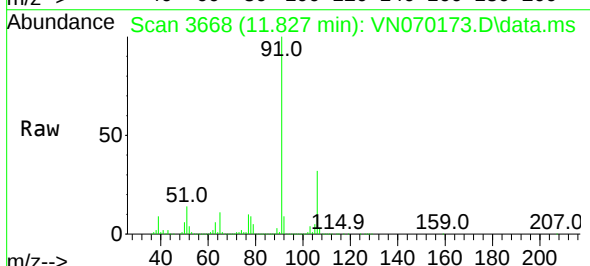
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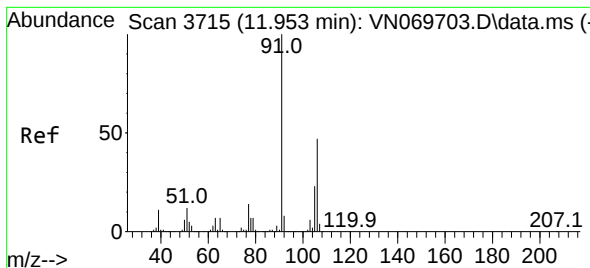
Tgt Ion: 91 Resp:26452973

Ion Ratio Lower Upper

91 100

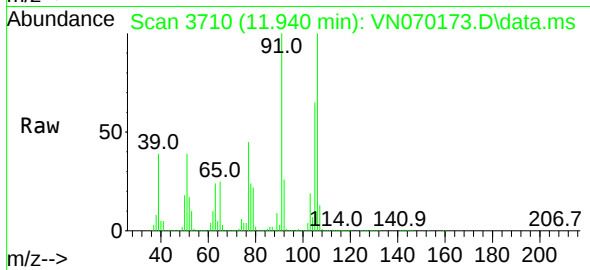
106 32.3 25.7 38.5





#68
m/p-Xylenes
Concen: 1392.006 ug/l m
RT: 11.940 min Scan# 3715
Delta R.T. -0.013 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

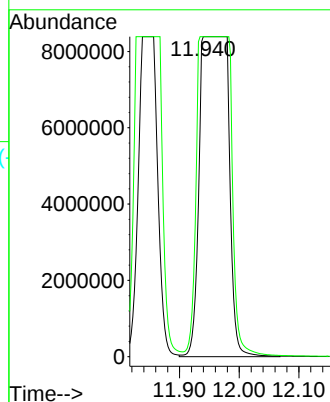
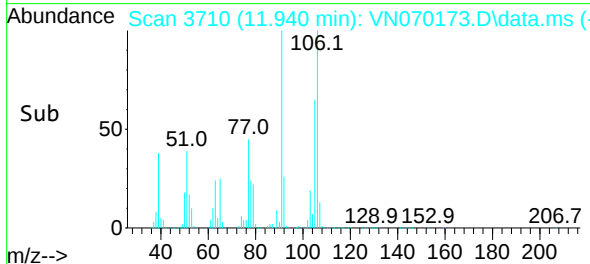
Instrument :
MSVOA_N
ClientSampleId :
MW-29



Tgt Ion:106 Resp:28392079
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8

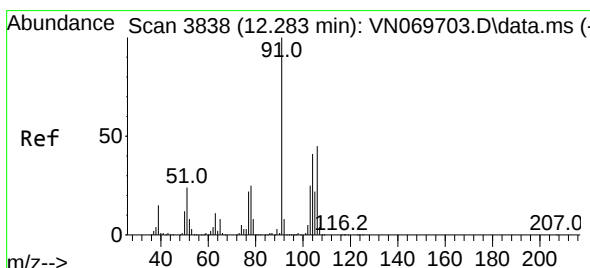
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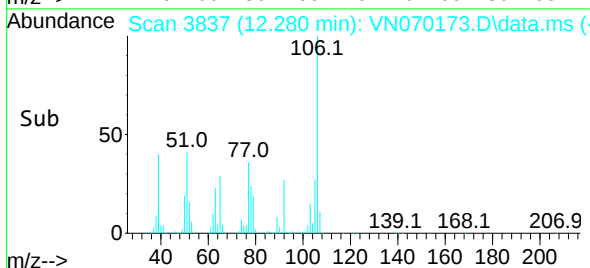
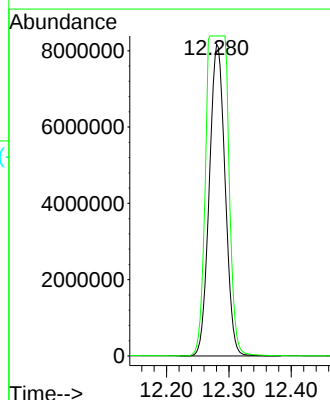
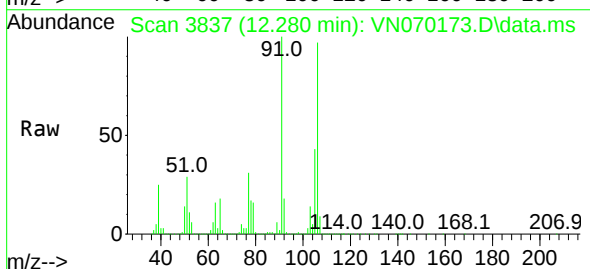
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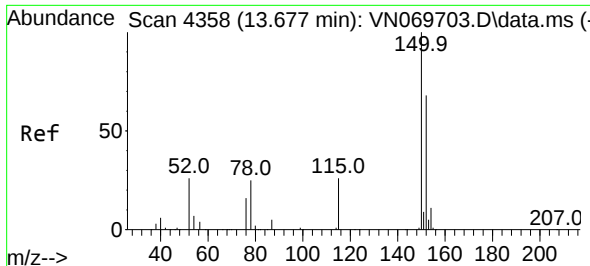
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#69
o-Xylene
Concen: 699.483 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.002 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

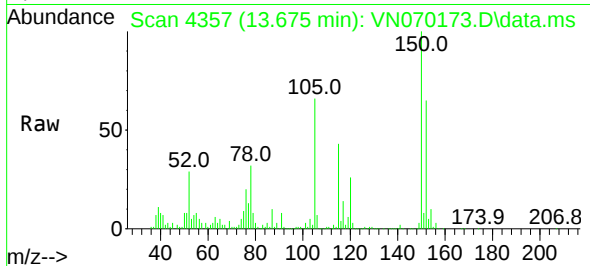
Tgt Ion:106 Resp:14370779
Ion Ratio Lower Upper
106 100
91 0.0 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4358
Delta R.T. -0.002 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

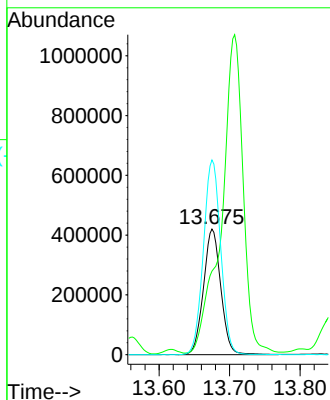
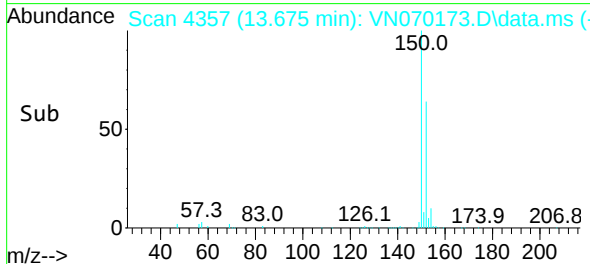
Instrument : MSVOA_N
ClientSampleId : MW-29



Tgt Ion:152 Resp: 716100
Ion Ratio Lower Upper
152 100
115 0.0 27.5 82.5
150 155.0 0.0 344.4

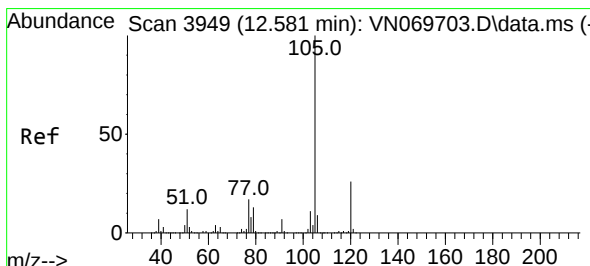
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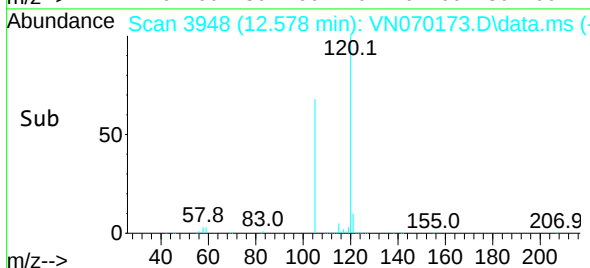
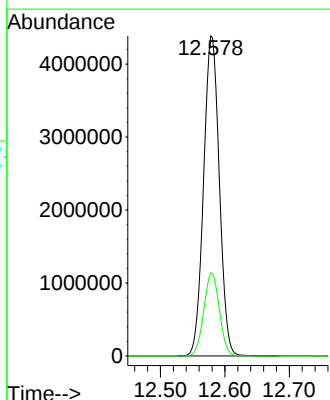
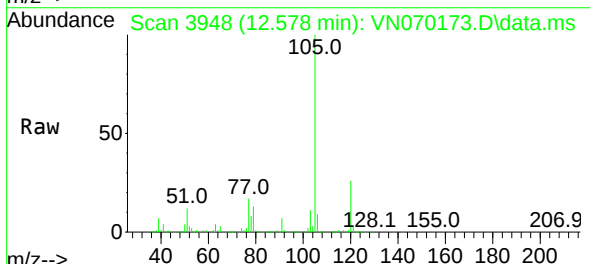
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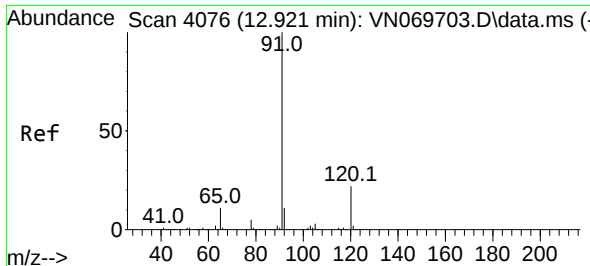
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#73
Isopropylbenzene
Concen: 116.535 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.002 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

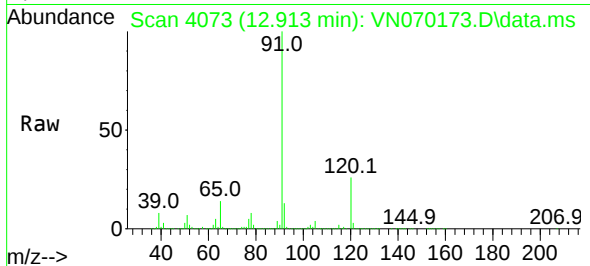
Tgt Ion:105 Resp: 7424846
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1





#78
n-propylbenzene
Concen: 248.003 ug/l m
RT: 12.913 min Scan# 4076
Delta R.T. -0.008 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

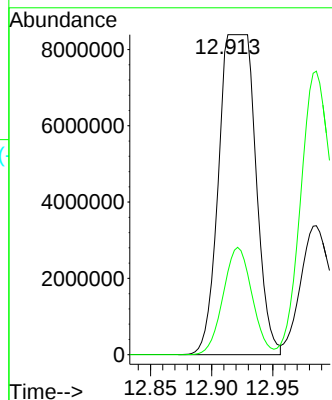
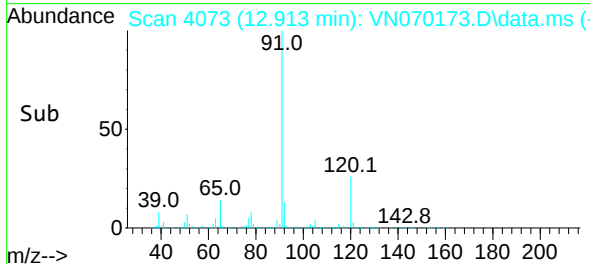
Instrument :
MSVOA_N
ClientSampleId :
MW-29



Tgt Ion: 91 Resp:1758315
Ion Ratio Lower Upper
91 100
120 5.9 11.9 35.9

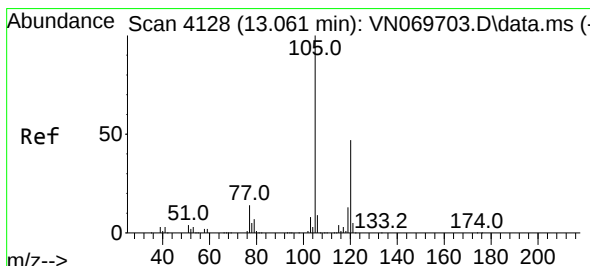
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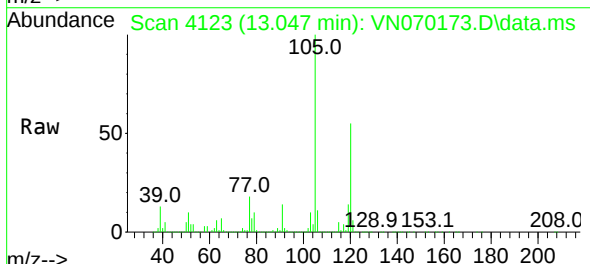


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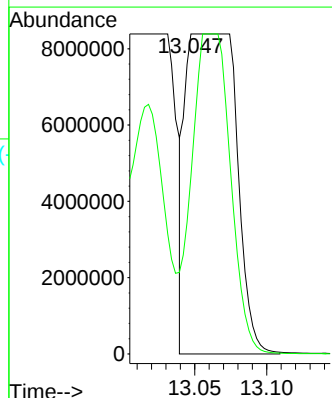
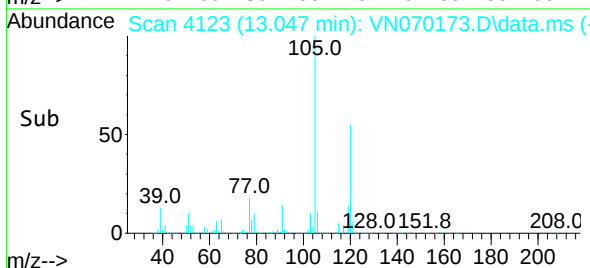
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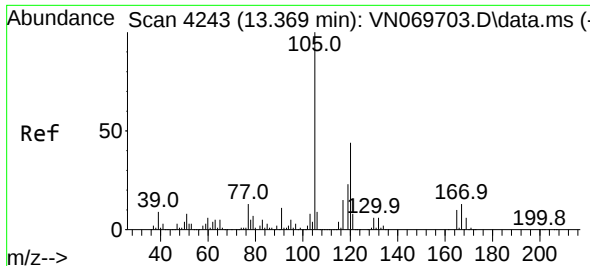


#80
1,3,5-Trimethylbenzene
Concen: 400.122 ug/l m
RT: 13.047 min Scan# 4123
Delta R.T. -0.013 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09



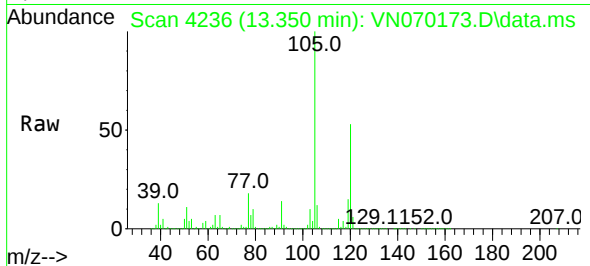
Tgt Ion:105 Resp:20518973
Ion Ratio Lower Upper
105 100
120 5.1 24.6 73.6





#84
1,2,4-Trimethylbenzene
Concen: 572.836 ug/l m
RT: 13.350 min Scan# 4236
Delta R.T. -0.019 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

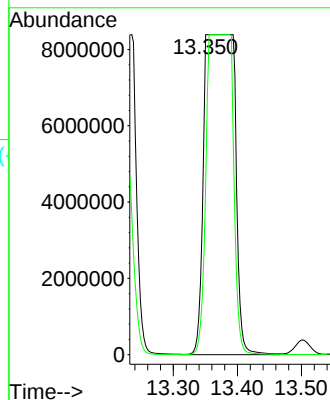
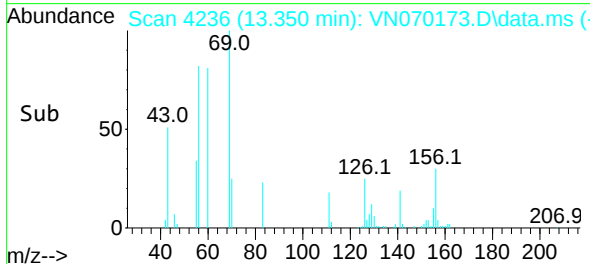
Instrument :
MSVOA_N
ClientSampleId :
MW-29



Tgt Ion:105 Resp:27976498
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4

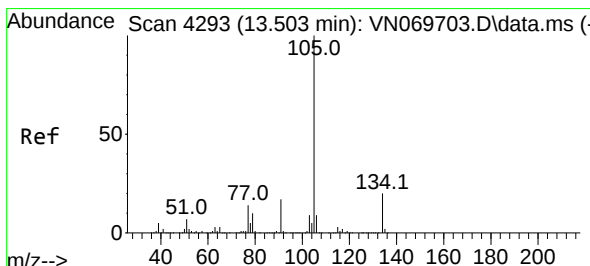
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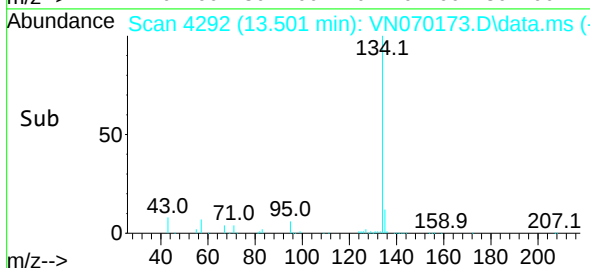
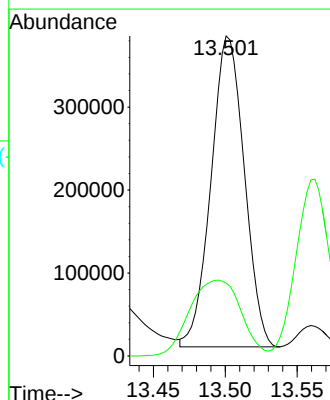
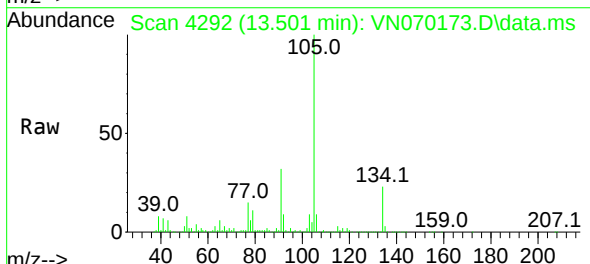
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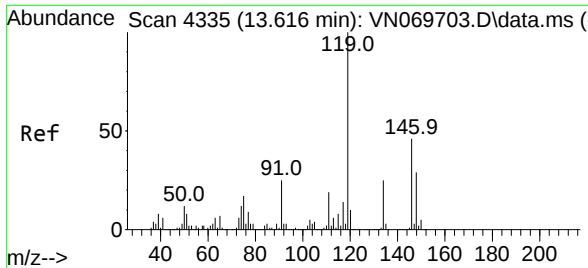
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#85
sec-Butylbenzene
Concen: 9.780 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.002 min
Lab File: VN070173.D
Acq: 17 Dec 2021 19:09

Tgt Ion:105 Resp: 602402
Ion Ratio Lower Upper
105 100
134 37.6 10.4 31.1





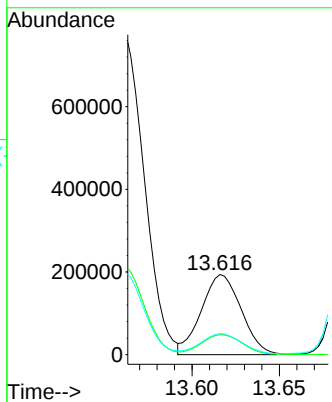
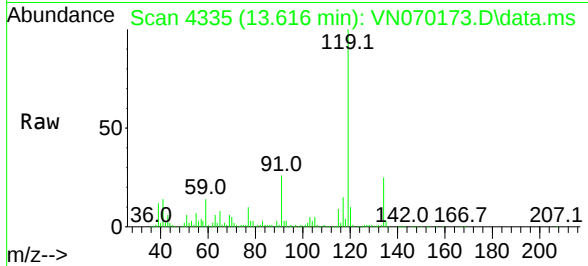
#86
 p-Isopropyltoluene
 Concen: 6.384 ug/l m
 RT: 13.616 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070173.D
 Acq: 17 Dec 2021 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-29

Tgt Ion:119 Resp: 307340
 Ion Ratio Lower Upper
 119 100
 134 112.7 13.6 40.7
 91 0.0 11.4 34.1

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