

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070172.D
 Acq On : 17 Dec 2021 18:44
 Operator : JC/MD
 Sample : M5039-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28

Quant Time: Dec 18 05:47:30 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 12/18/2021
 Supervised By : Mahesh Dadoda 12/23/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	999361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1705000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1642760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	754932	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	717554	46.503	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.000%
35) Dibromofluoromethane	8.024	113	471356	44.135	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	88.280%
50) Toluene-d8	10.443	98	1952422	45.529	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	91.060%
62) 4-Bromofluorobenzene	12.731	95	825017	53.105	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.220%
Target Compounds						
						Qvalue
3) Chloromethane	2.301	50	5384	0.369	ug/l	94
6) Chloroethane	3.022	64	25993	3.159	ug/l	99
11) Tert butyl alcohol	5.385	59	3895462	1335.584	ug/l	99
16) Acetone	4.291	43	888862	95.763	ug/l	96
17) Carbon Disulfide	4.524	76	20956	0.852	ug/l	98
19) Methyl tert-butyl Ether	5.618	73	27352044	738.973	ug/l	# 87
22) Diisopropyl ether	6.503	45	342288	8.164	ug/l	# 83
25) 2-Butanone	7.343	43	455403	36.110	ug/l	91
31) Cyclohexane	8.096	56	1486323	69.217	ug/l	88
39) Methylcyclohexane	9.459	83	881667	45.667	ug/l	88
40) Benzene	8.448	78	26522576m	534.598	ug/l	
52) Toluene	10.489	92	29227557m	964.955	ug/l	
67) Ethyl Benzene	11.830	91	25588010m	422.682	ug/l	
68) m/p-Xylenes	11.937	106	29965072m	1359.448	ug/l	
69) o-Xylene	12.267	106	24445464m	1101.028	ug/l	
73) Isopropylbenzene	12.578	105	7145948	106.390	ug/l	98
78) n-propylbenzene	12.921	91	14042564	187.878	ug/l	97
80) 1,3,5-Trimethylbenzene	13.050	105	18950873m	350.539	ug/l	
84) 1,2,4-Trimethylbenzene	13.353	105	26378403m	512.336	ug/l	
85) sec-Butylbenzene	13.503	105	342321	5.272	ug/l	# 66
86) p-Isopropyltoluene	13.616	119	214695m	4.230	ug/l	

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

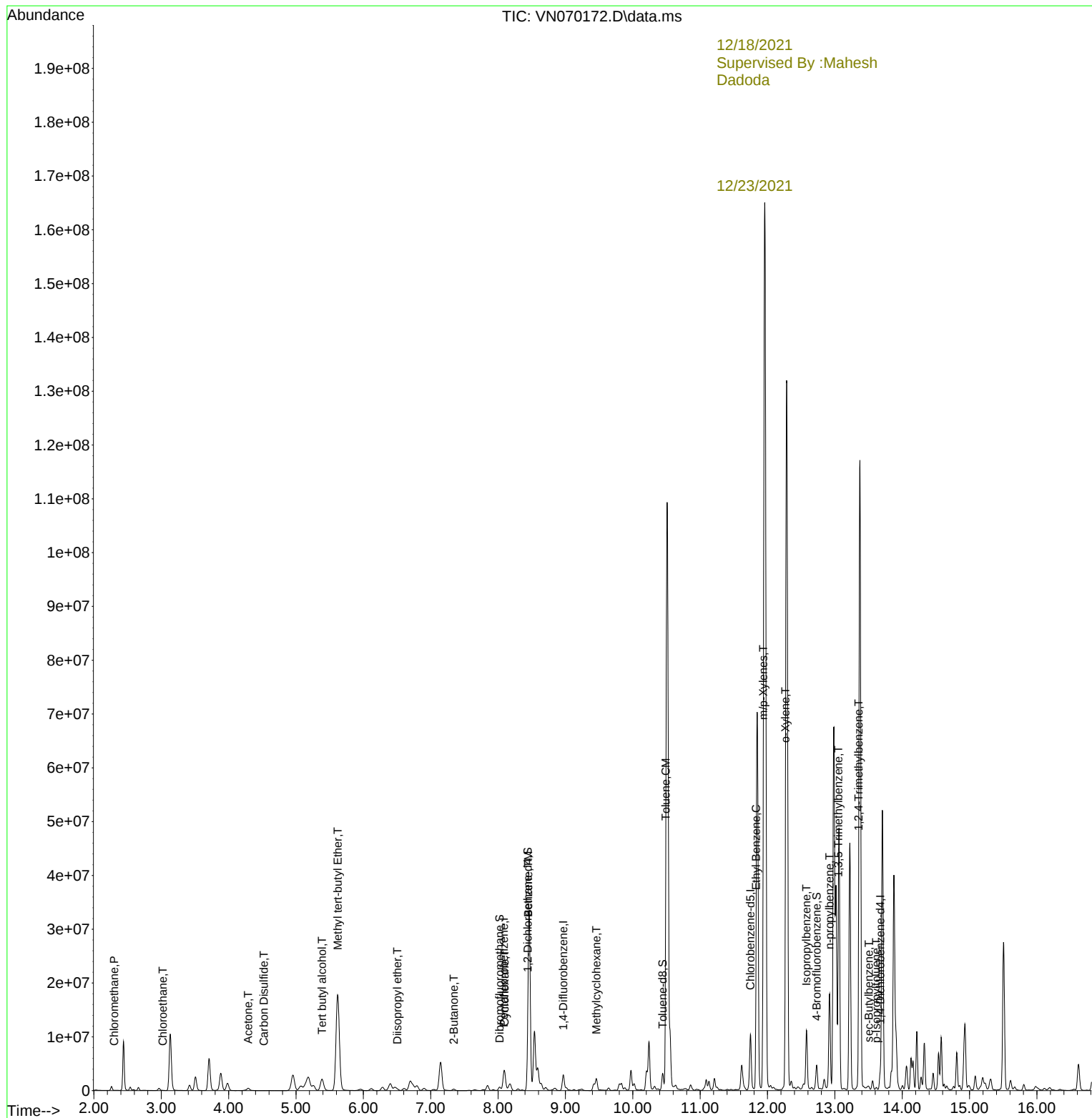
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070172.D
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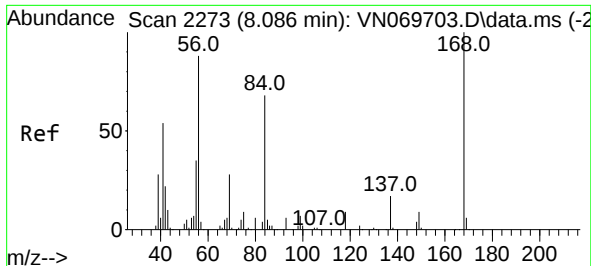
Instrument :
MSVOA_N
ClientSampleId :
MW-28

Quant Time: Dec 18 05:47:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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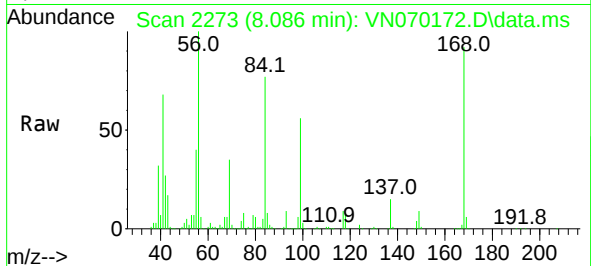
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

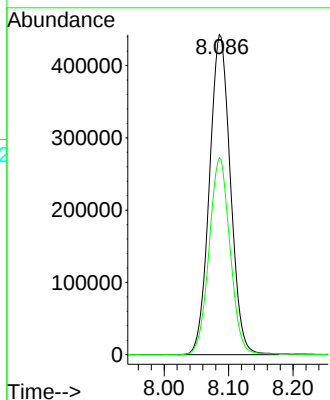
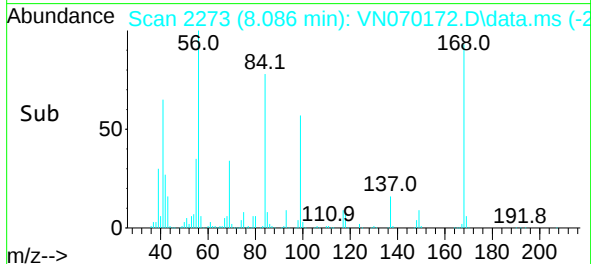
Instrument :
MSVOA_N
ClientSampleId :
MW-28



Tgt Ion:168 Resp: 99936
Ion Ratio Lower Upper
168 100
99 61.5 41.3 61.9

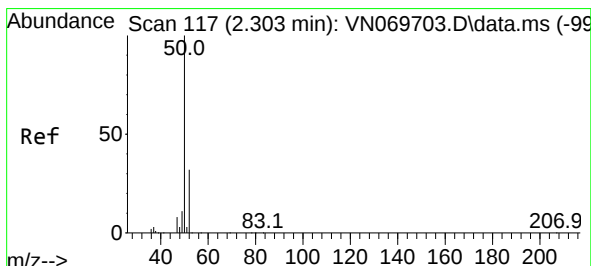
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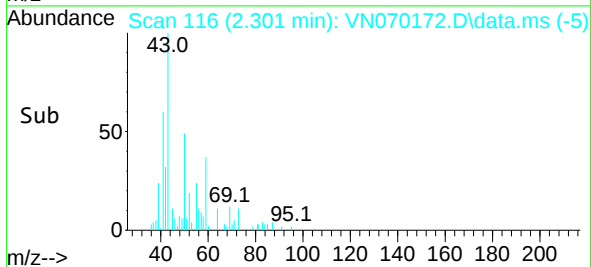
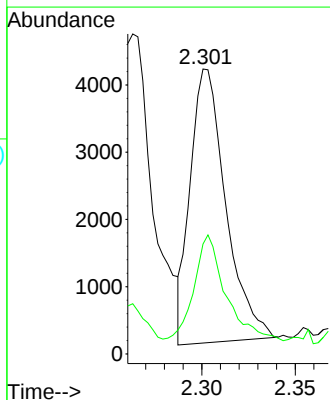
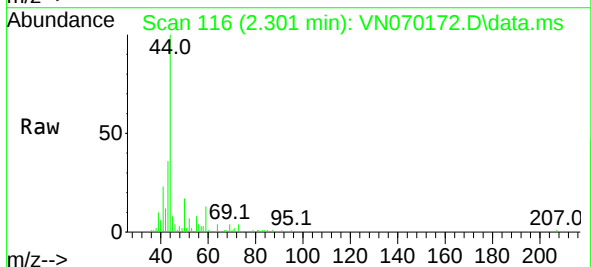
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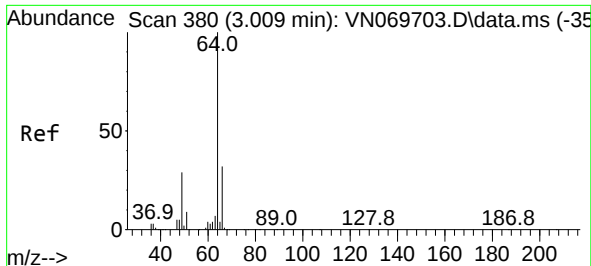
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#3
Chloromethane
Concen: 0.369 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.003 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

Tgt Ion: 50 Resp: 5384
Ion Ratio Lower Upper
50 100
52 35.2 25.4 38.0





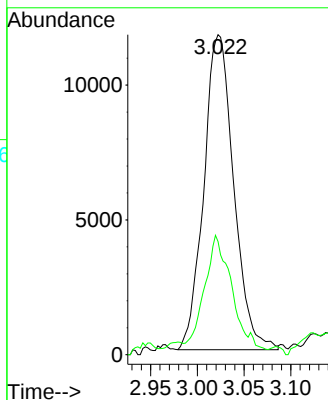
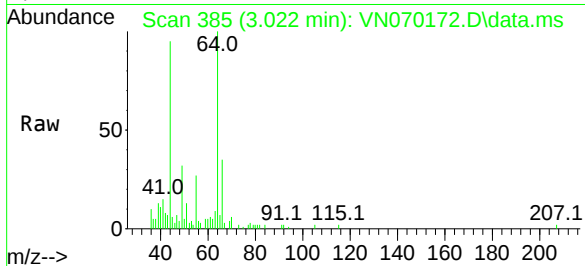
#6
Chloroethane
Concen: 3.159 ug/l
RT: 3.022 min Scan# 31
Delta R.T. 0.014 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

Instrument :
MSVOA_N
ClientSampleId :
MW-28

Tgt Ion: 64 Resp: 2599
Ion Ratio Lower Upper
64 100
66 33.5 26.3 39.5

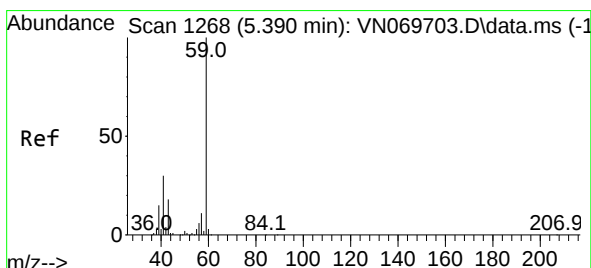
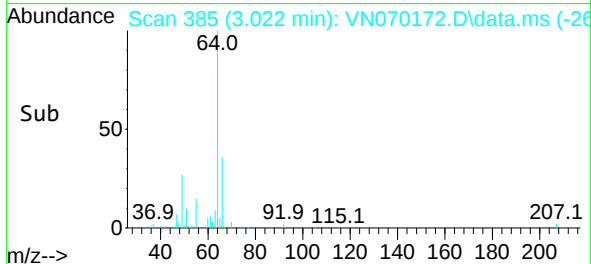
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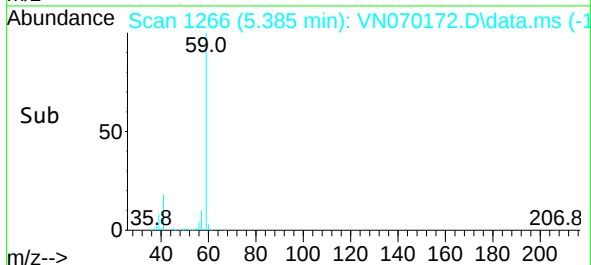
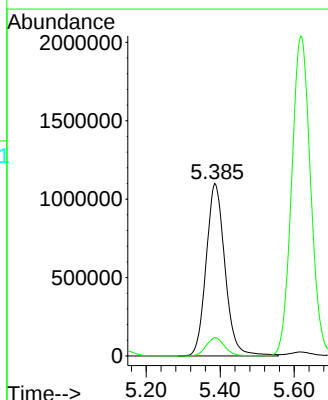
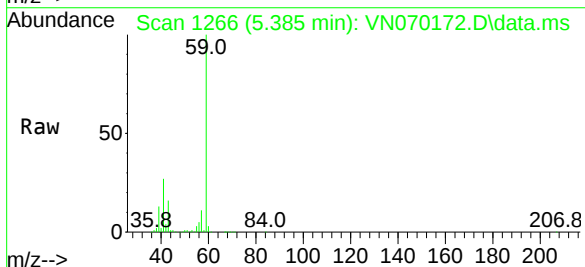
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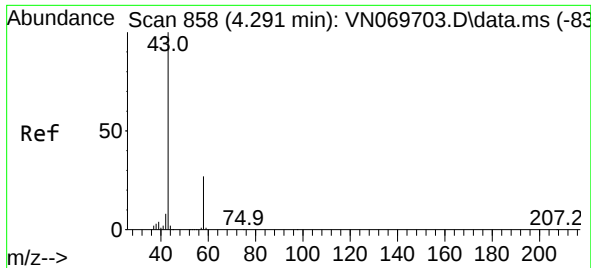
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#11
Tert butyl alcohol
Concen: 1335.584 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

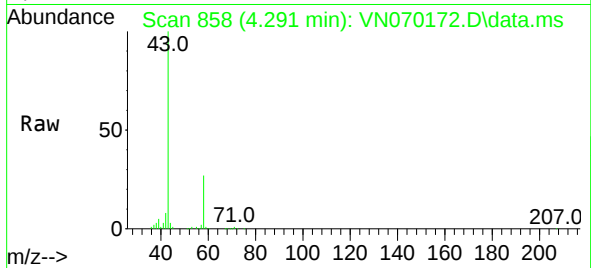
Tgt Ion: 59 Resp: 3895462
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1





#16
Acetone
Concen: 95.763 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

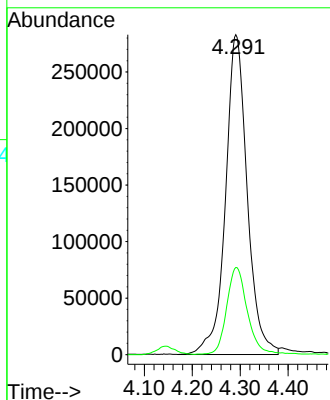
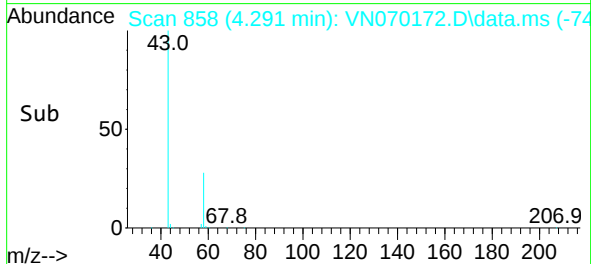
Instrument : MSVOA_N
Client Sample Id : MW-28



Tgt Ion: 43 Resp: 888862
Ion Ratio Lower Upper
43 100
58 26.7 23.1 34.7

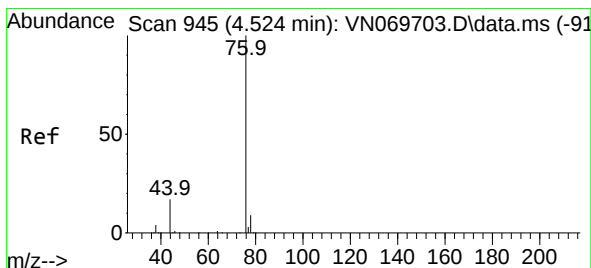
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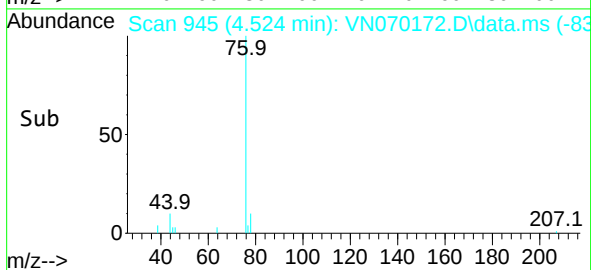
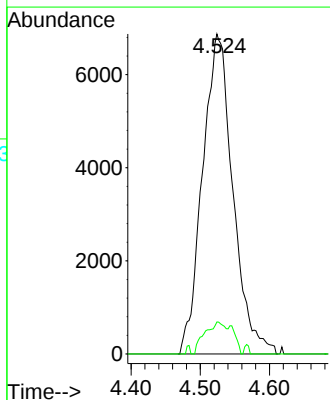
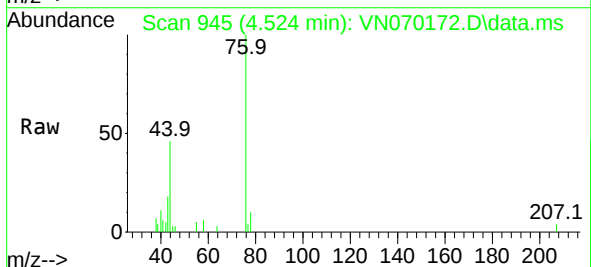
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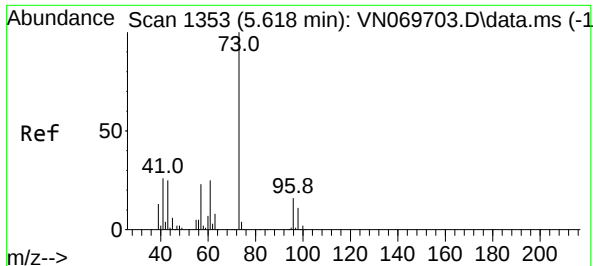
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#17
Carbon Disulfide
Concen: 0.852 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

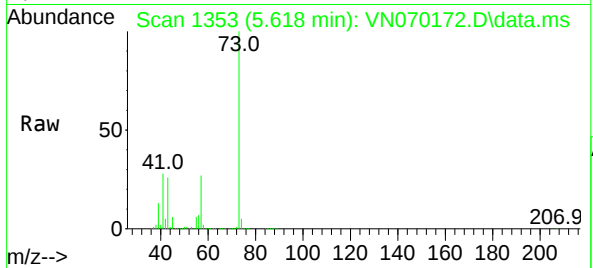
Tgt Ion: 76 Resp: 20956
Ion Ratio Lower Upper
76 100
78 10.0 7.5 11.3





#19
Methyl tert-butyl Ether
Concen: 738.973 ug/l
RT: 5.618 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

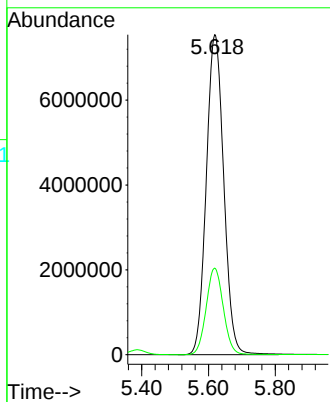
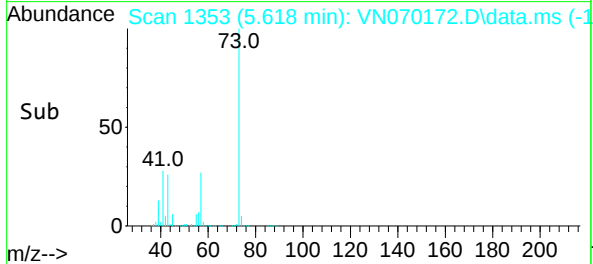
Instrument :
MSVOA_N
ClientSampleId :
MW-28



Tgt Ion: 73 Resp: 2735204
Ion Ratio Lower Upper
73 100
57 27.0 16.8 25.2

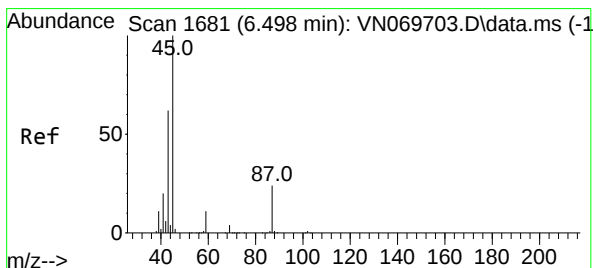
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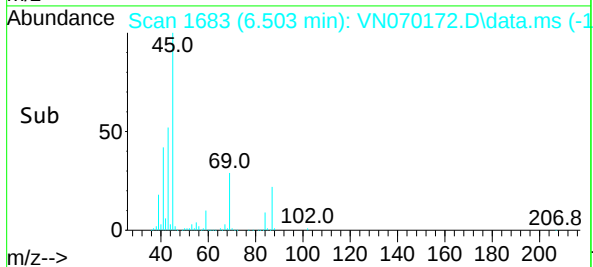
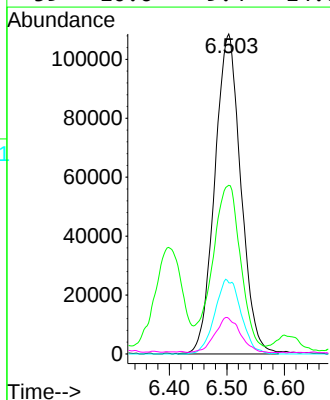
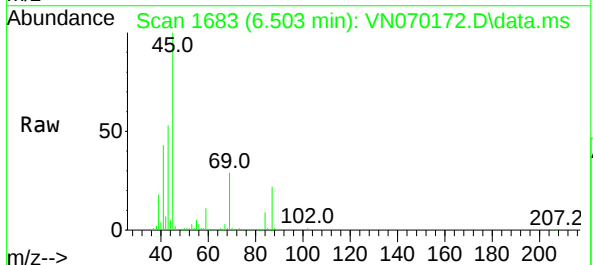
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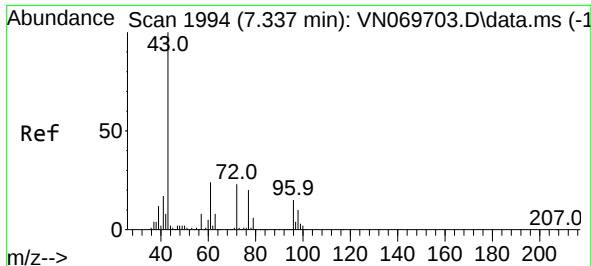
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#22
Diisopropyl ether
Concen: 8.164 ug/l
RT: 6.503 min Scan# 1683
Delta R.T. 0.005 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

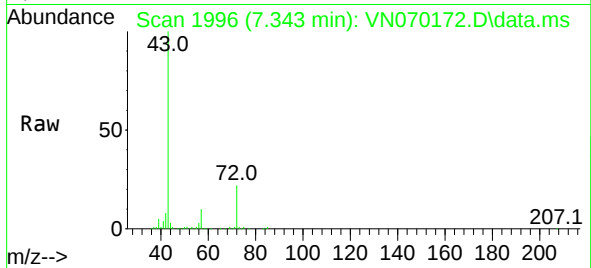
Tgt Ion: 45 Resp: 342288
Ion Ratio Lower Upper
45 100
43 48.3 51.7 77.5#
87 22.3 23.2 34.8#
59 10.6 9.4 14.0





#25
2-Butanone
Concen: 36.110 ug/l
RT: 7.343 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

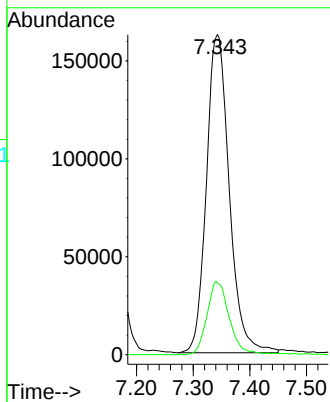
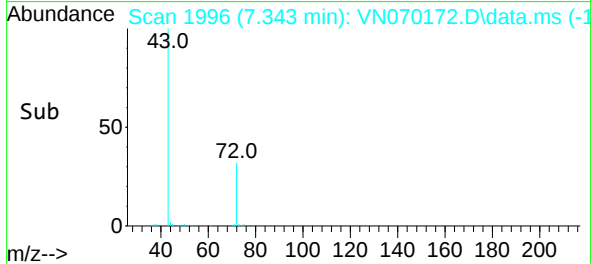
Instrument :
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Client Sample Id :
MW-28



Tgt Ion: 43 Resp: 45540
Ion Ratio Lower Upper
43 100
72 22.6 21.7 32.5

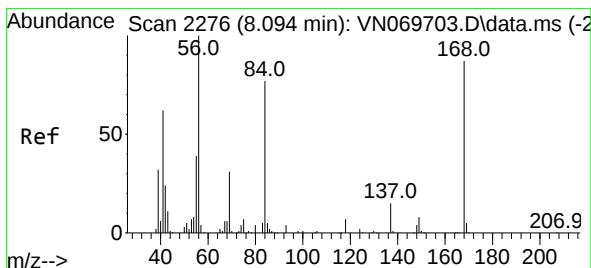
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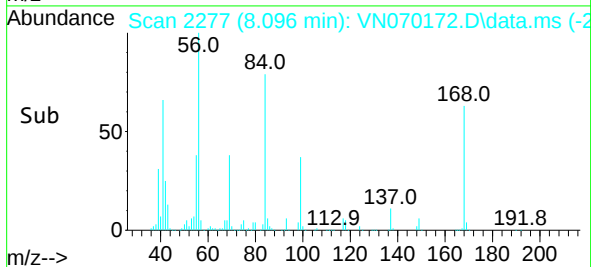
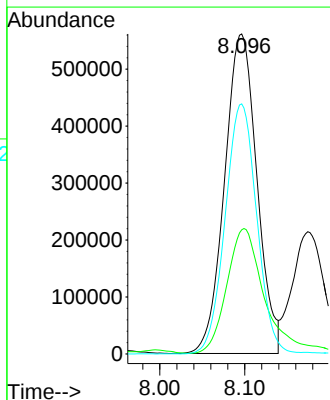
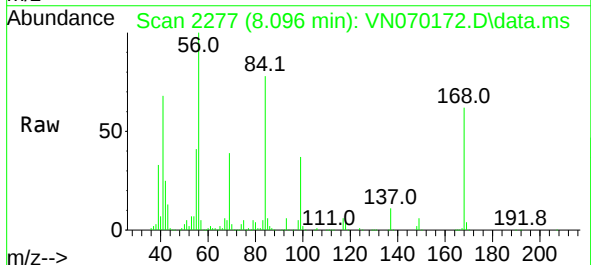
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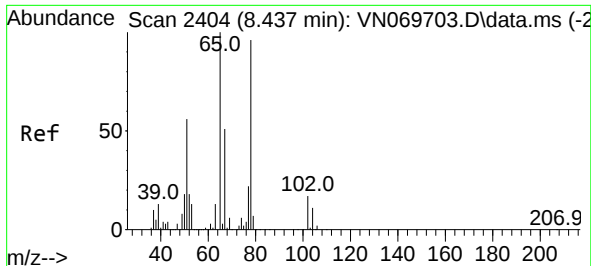
12/23/2021



#31
Cyclohexane
Concen: 69.217 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. 0.003 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

Tgt Ion: 56 Resp: 1486323
Ion Ratio Lower Upper
56 100
69 38.5 27.1 40.7
84 78.2 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 46.503 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070172.D

Acq: 17 Dec 2021 18:44

Instrument :

MSVOA_N

ClientSampleId :

MW-28

Tgt Ion: 65 Resp: 717554

Ion Ratio Lower Upper

65 100

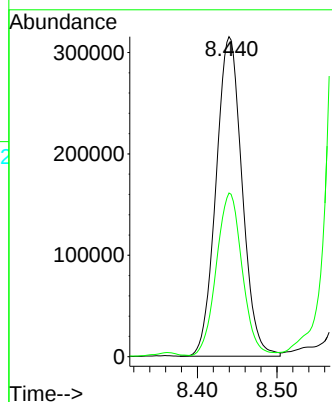
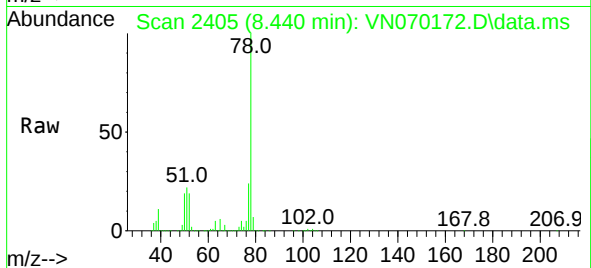
67 50.3 0.0 103.0

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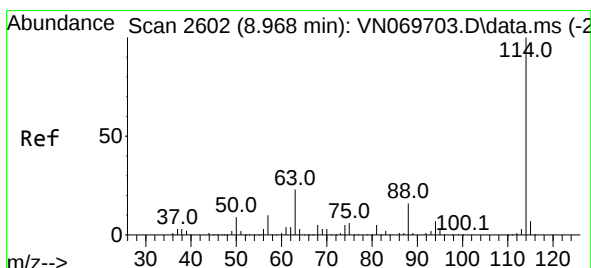
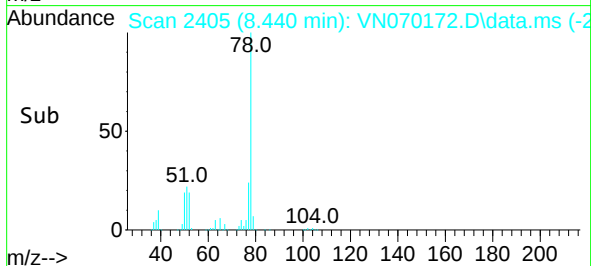
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12/23/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070172.D

Acq: 17 Dec 2021 18:44

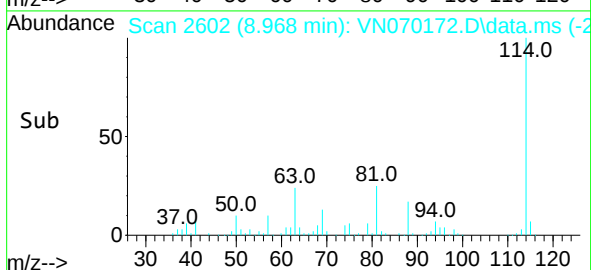
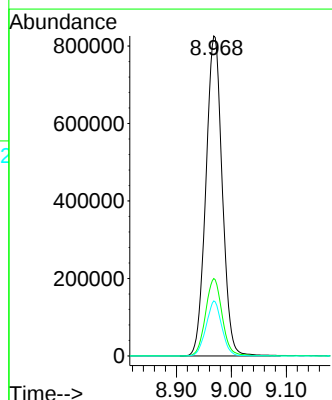
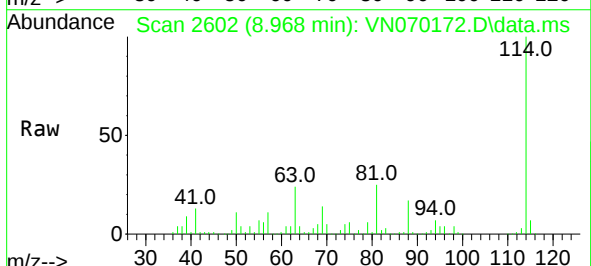
Tgt Ion:114 Resp: 1705000

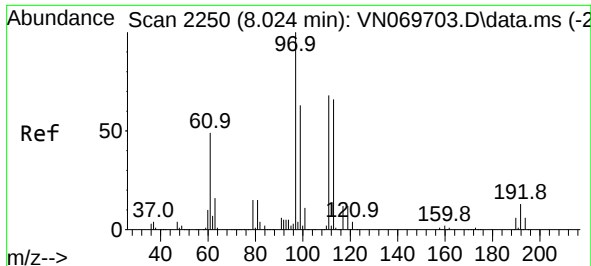
Ion Ratio Lower Upper

114 100

63 24.2 0.0 37.8

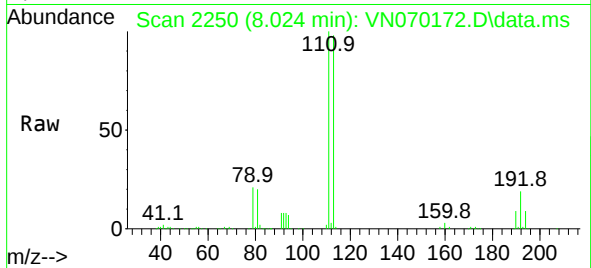
88 17.2 0.0 27.4





#35
Dibromofluoromethane
Concen: 44.135 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

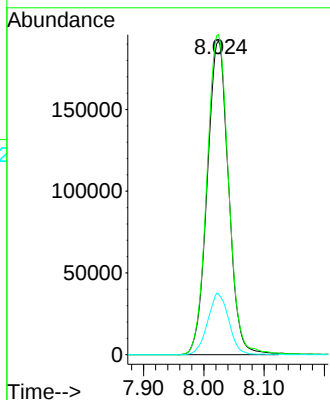
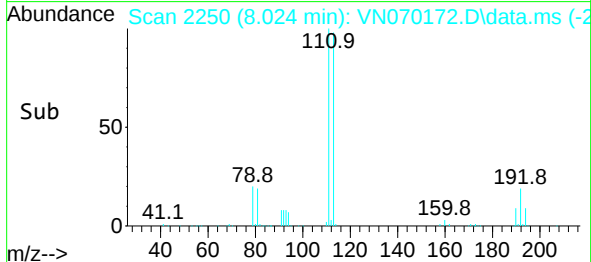
Instrument :
MSVOA_N
Client Sample Id :
MW-28



Tgt Ion: 113 Resp: 471350
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 19.3 16.9 25.3

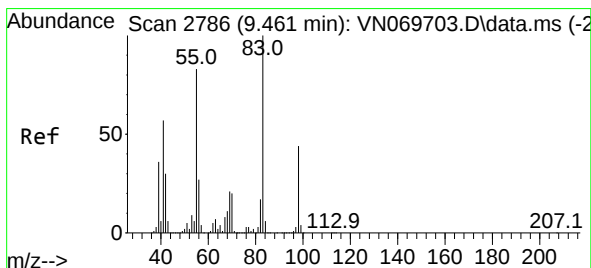
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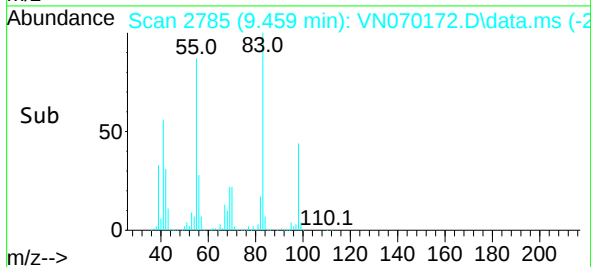
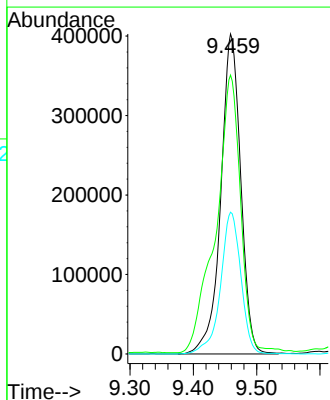
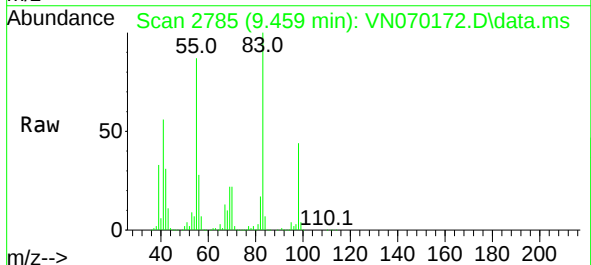
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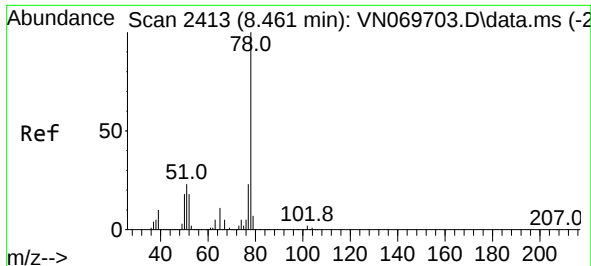
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#39
Methylcyclohexane
Concen: 45.667 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

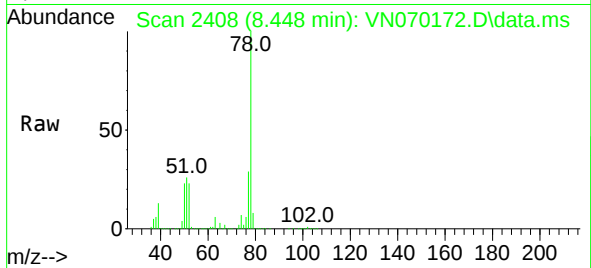
Tgt Ion: 83 Resp: 881667
Ion Ratio Lower Upper
83 100
55 86.7 58.1 87.1
98 44.3 38.4 57.6





#40
Benzene
Concen: 534.598 ug/l m
RT: 8.448 min Scan# 2413
Delta R.T. -0.013 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

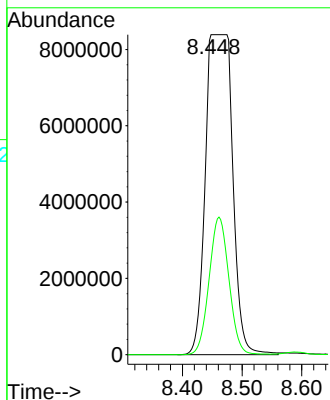
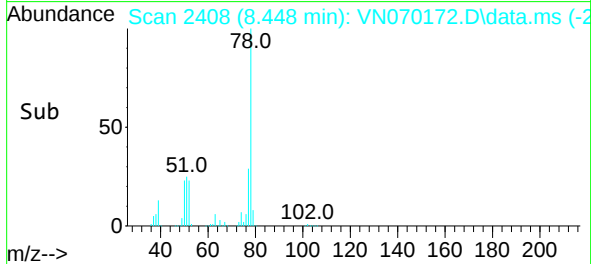
Instrument :
MSVOA_N
ClientSampleId :
MW-28



Tgt Ion: 78 Resp: 26522570
Ion Ratio Lower Upper
78 100
77 29.1 18.6 27.8

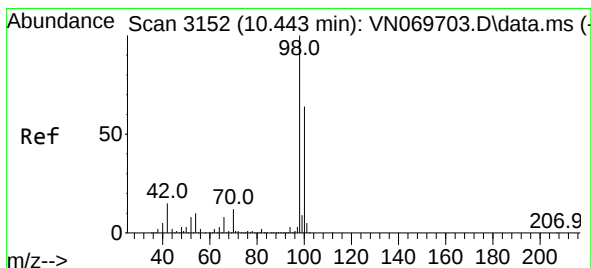
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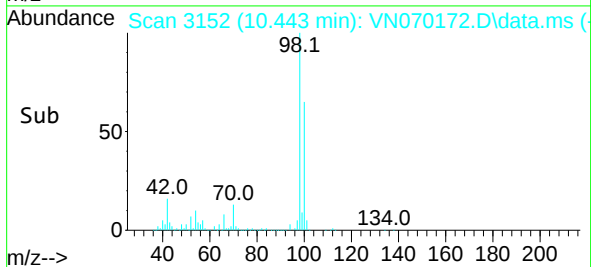
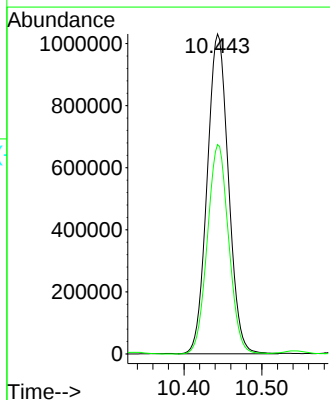
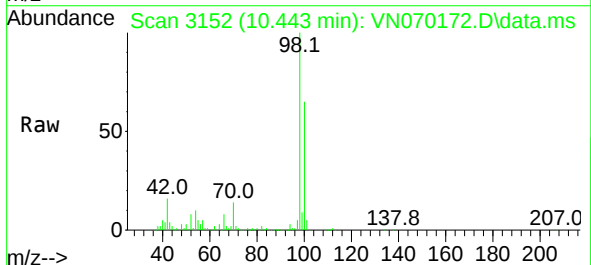
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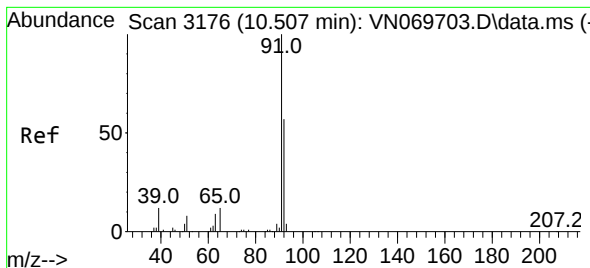
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#50
Toluene-d8
Concen: 45.529 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

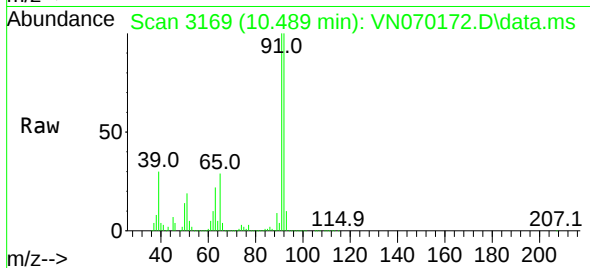
Tgt Ion: 98 Resp: 1952422
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6





#52
Toluene
Concen: 964.955 ug/l m
RT: 10.489 min Scan# 3176
Delta R.T. -0.019 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

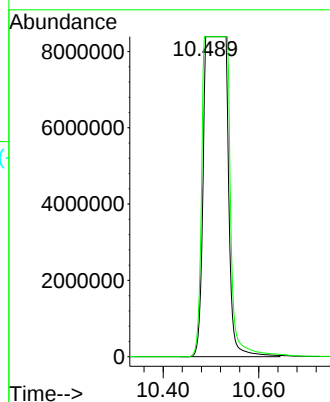
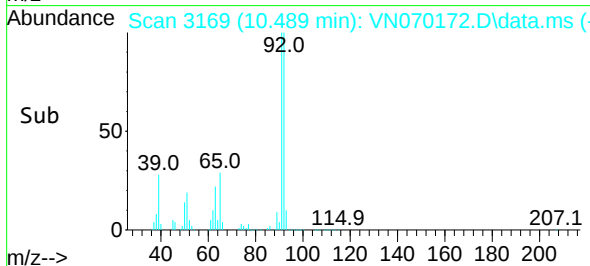
Instrument :
MSVOA_N
ClientSampleId :
MW-28



Tgt Ion: 92 Resp: 2922755
Ion Ratio Lower Upper
92 100
91 0.0 142.0 213.0

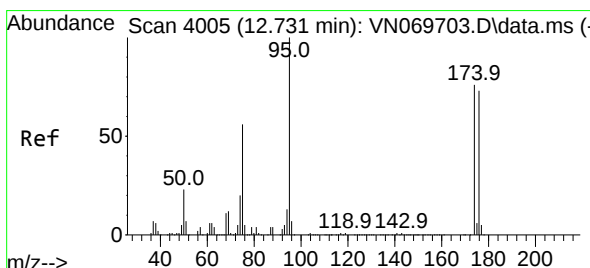
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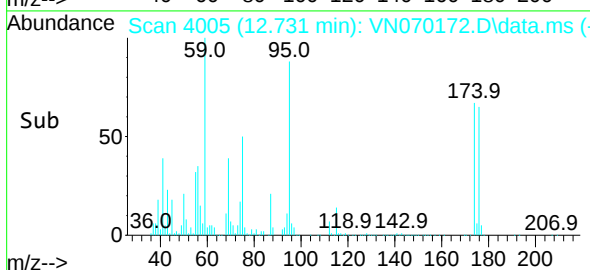
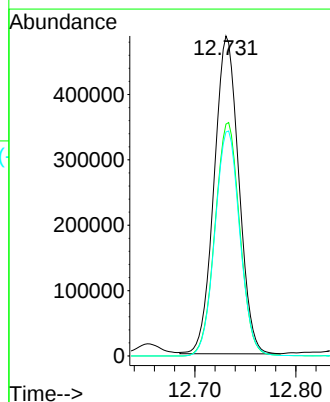
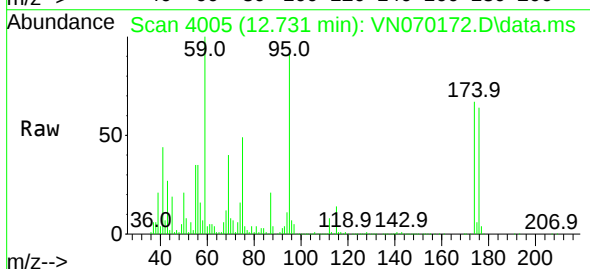
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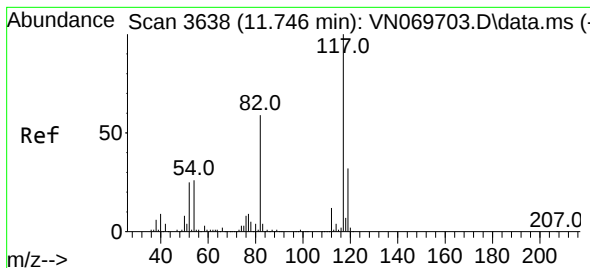
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#62
4-Bromofluorobenzene
Concen: 53.105 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

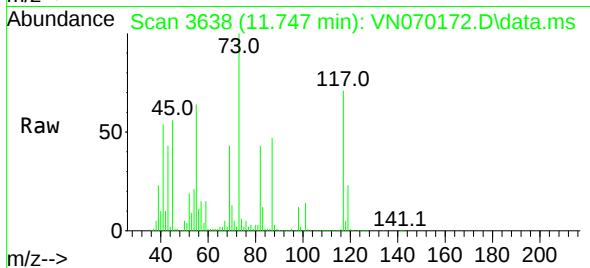
Tgt Ion: 95 Resp: 825017
Ion Ratio Lower Upper
95 100
174 73.8 0.0 187.2
176 71.7 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.001 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

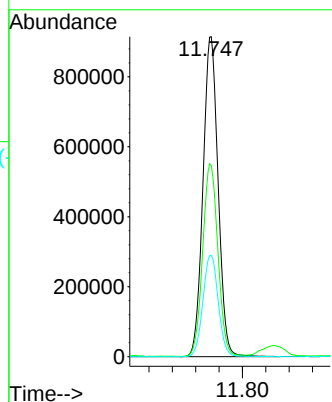
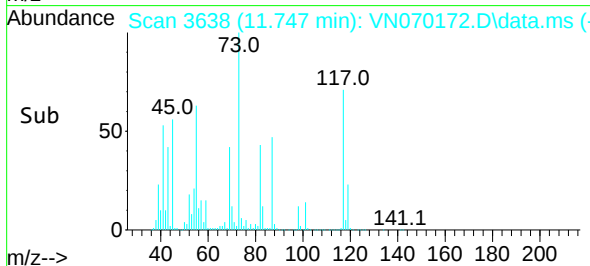
Instrument :
MSVOA_N
ClientSampleId :
MW-28



Tgt Ion:117 Resp: 1642760
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.7 25.4 38.2

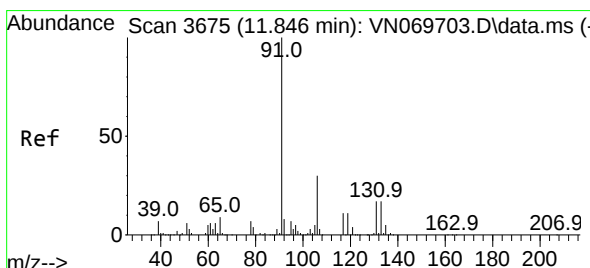
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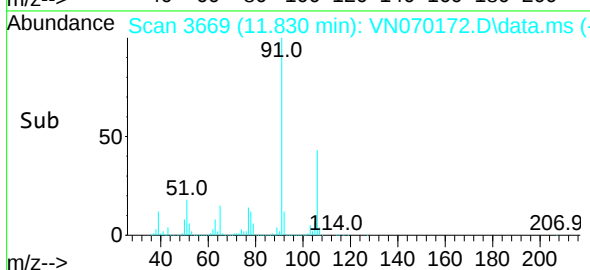
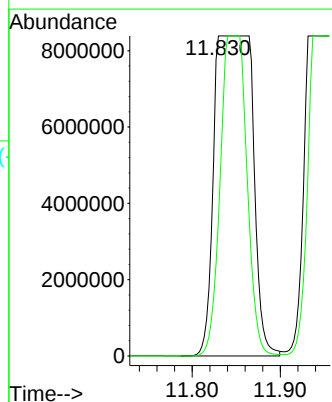
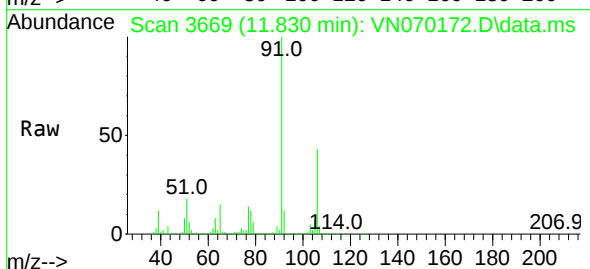
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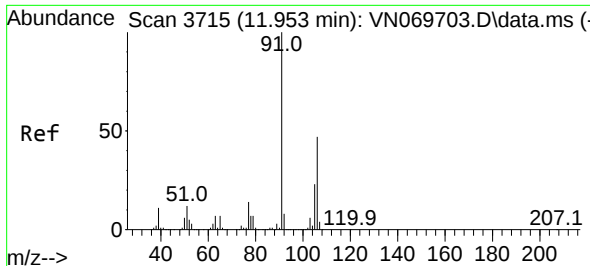
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#67
Ethyl Benzene
Concen: 422.682 ug/l m
RT: 11.830 min Scan# 3669
Delta R.T. -0.016 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

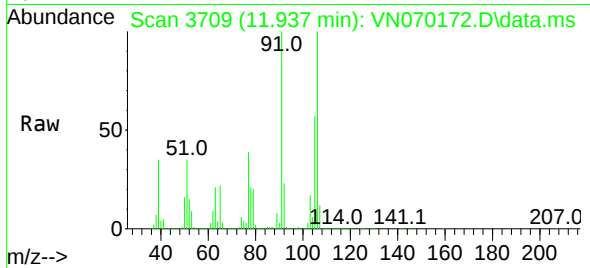
Tgt Ion: 91 Resp:25588010
Ion Ratio Lower Upper
91 100
106 42.6 25.7 38.5#





#68
m/p-Xylenes
Concen: 1359.448 ug/l m
RT: 11.937 min Scan# 3715
Delta R.T. -0.016 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

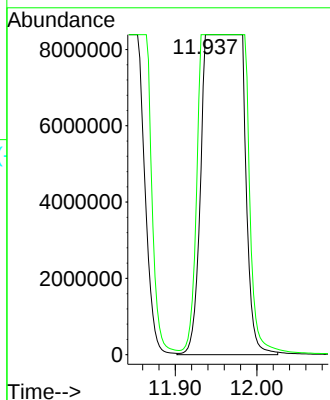
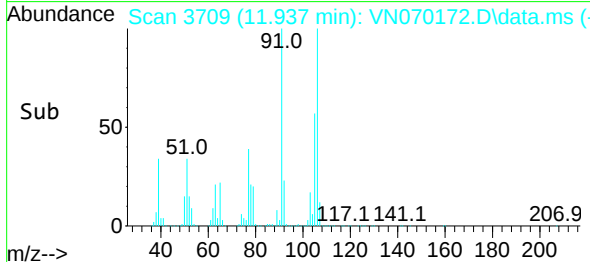
Instrument :
MSVOA_N
ClientSampleId :
MW-28



Tgt Ion:106 Resp:29965072
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8

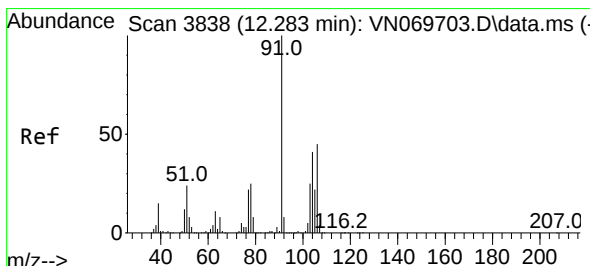
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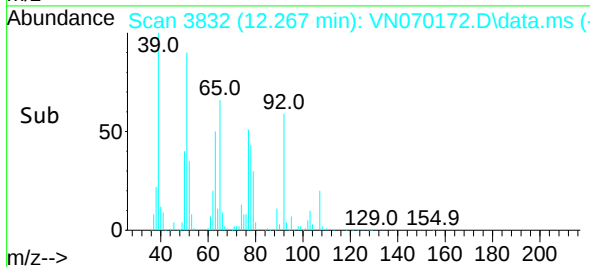
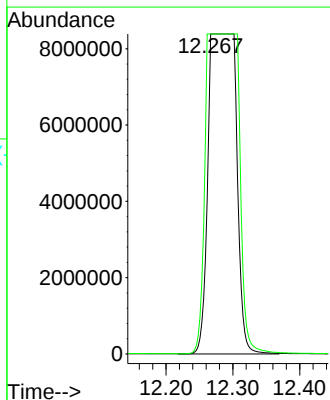
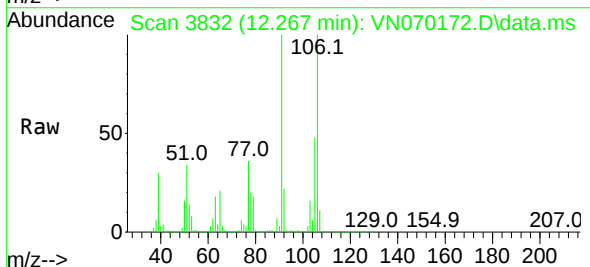
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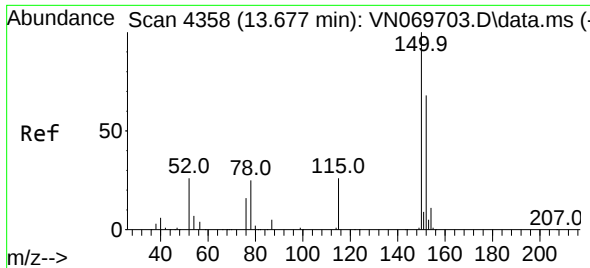
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#69
o-Xylene
Concen: 1101.028 ug/l m
RT: 12.267 min Scan# 3832
Delta R.T. -0.016 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

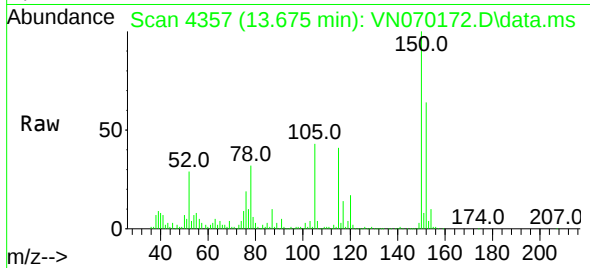
Tgt Ion:106 Resp:24445464
Ion Ratio Lower Upper
106 100
91 0.0 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

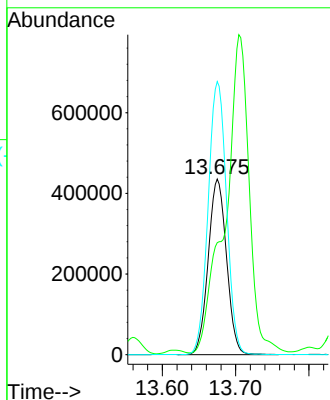
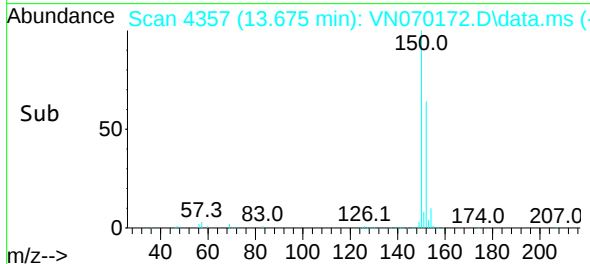
Instrument : MSVOA_N
ClientSampleId : MW-28



Tgt Ion:152 Resp: 754932
Ion Ratio Lower Upper
152 100
115 0.0 27.5 82.5
150 156.3 0.0 344.4

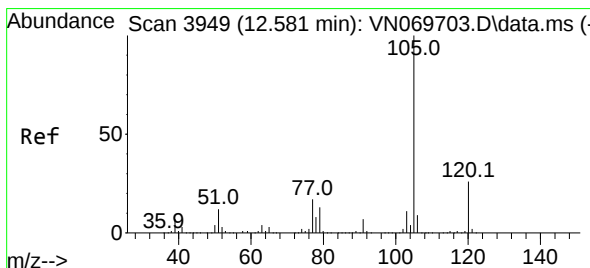
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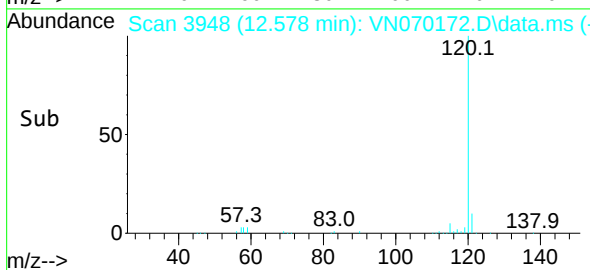
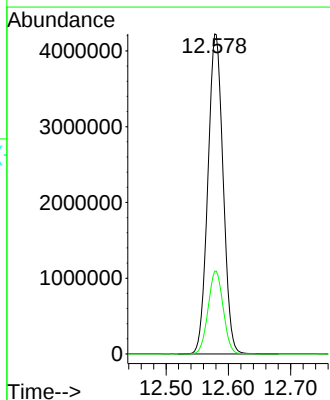
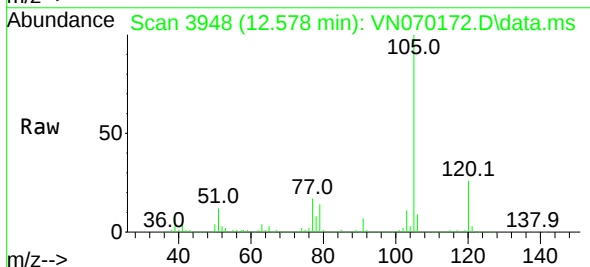
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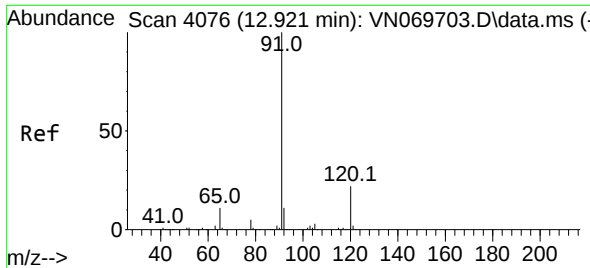
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#73
Isopropylbenzene
Concen: 106.390 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

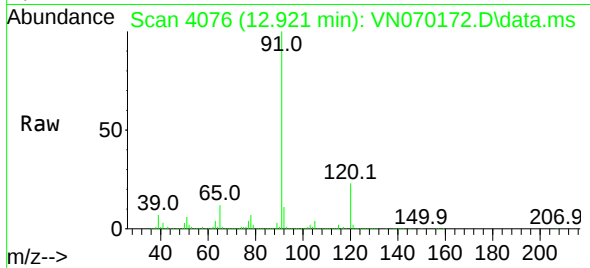
Tgt Ion:105 Resp: 7145948
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1





#78
n-propylbenzene
Concen: 187.878 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

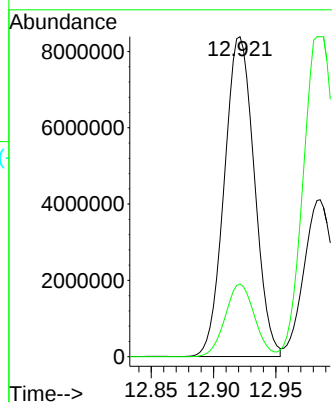
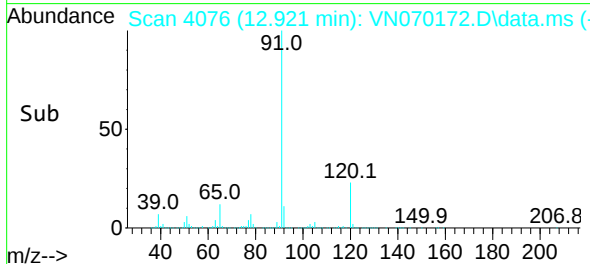
Instrument :
MSVOA_N
ClientSampleId :
MW-28



Tgt Ion: 91 Resp:1404256
Ion Ratio Lower Upper
91 100
120 22.3 11.9 35.9

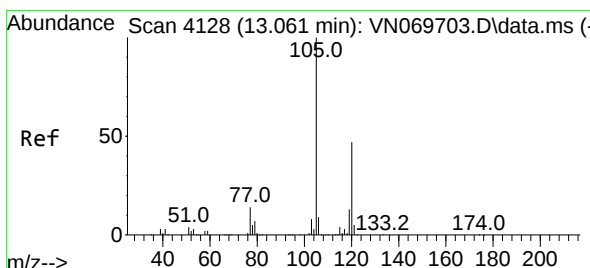
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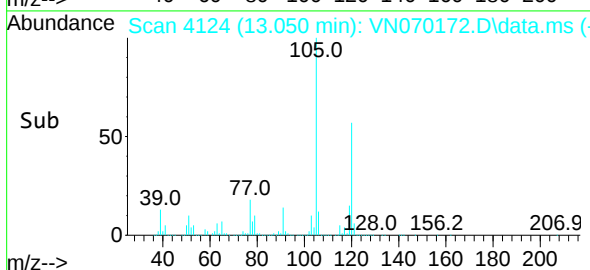
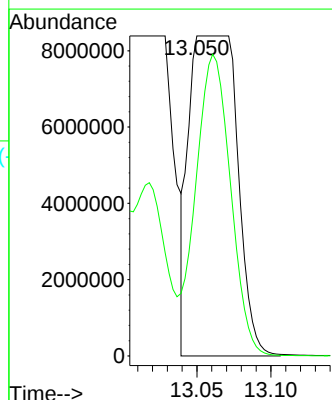
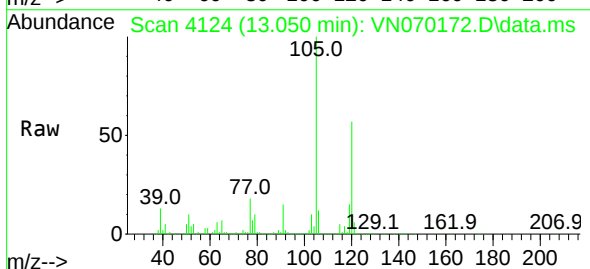
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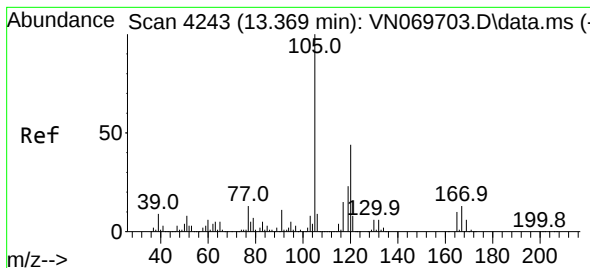
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#80
1,3,5-Trimethylbenzene
Concen: 350.539 ug/l m
RT: 13.050 min Scan# 4124
Delta R.T. -0.011 min
Lab File: VN070172.D
Acq: 17 Dec 2021 18:44

Tgt Ion:105 Resp:18950873
Ion Ratio Lower Upper
105 100
120 68.7 24.6 73.6





#84

1,2,4-Trimethylbenzene

Concen: 512.336 ug/l m

RT: 13.353 min Scan# 4243

Delta R.T. -0.016 min

Lab File: VN070172.D

Acq: 17 Dec 2021 18:44

Instrument :

MSVOA_N

ClientSampleId :

MW-28

Tgt Ion:105 Resp:2637840

Ion Ratio Lower Upper

105 100

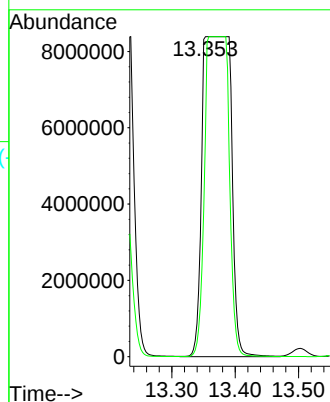
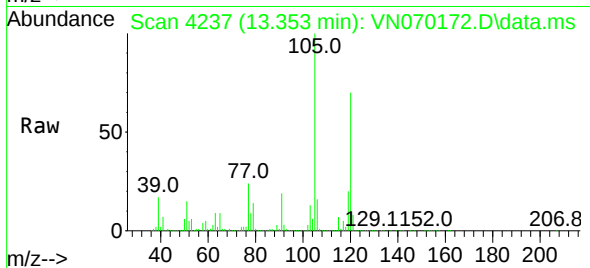
120 0.0 22.8 68.4

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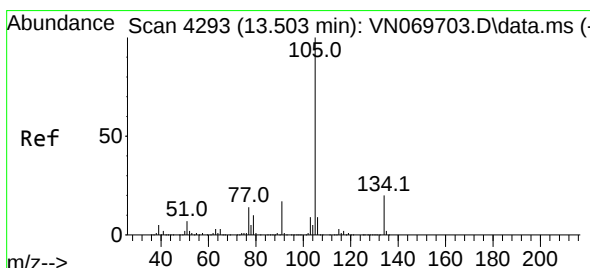
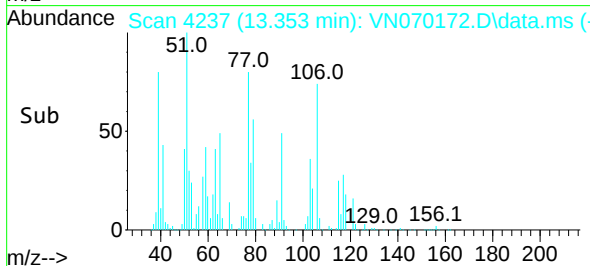
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Dadoda

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#85

sec-Butylbenzene

Concen: 5.272 ug/l

RT: 13.503 min Scan# 4293

Delta R.T. 0.000 min

Lab File: VN070172.D

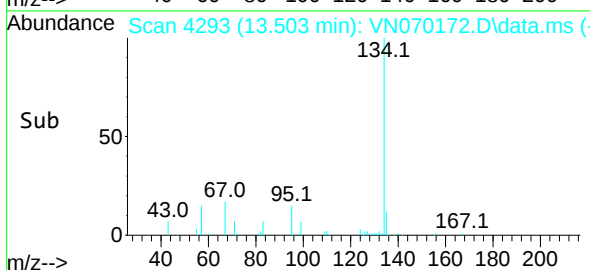
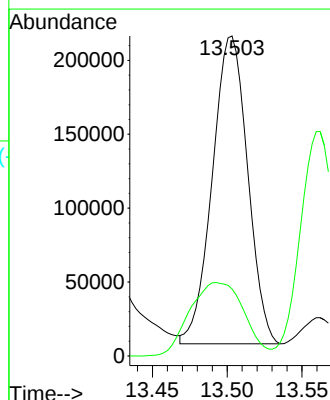
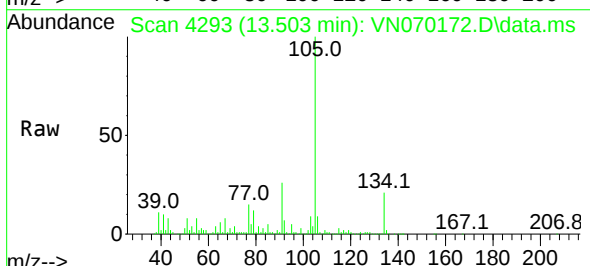
Acq: 17 Dec 2021 18:44

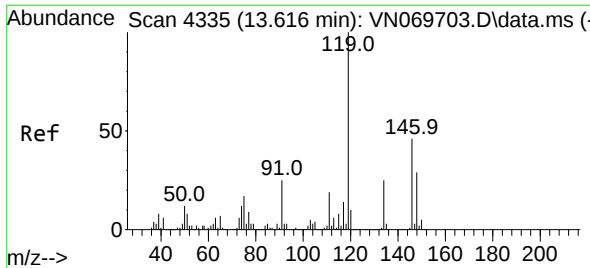
Tgt Ion:105 Resp: 342321

Ion Ratio Lower Upper

105 100

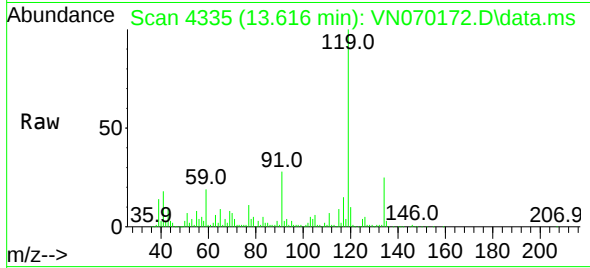
134 36.6 10.4 31.1#





#86
 p-Isopropyltoluene
 Concen: 4.230 ug/l m
 RT: 13.616 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070172.D
 Acq: 17 Dec 2021 18:44

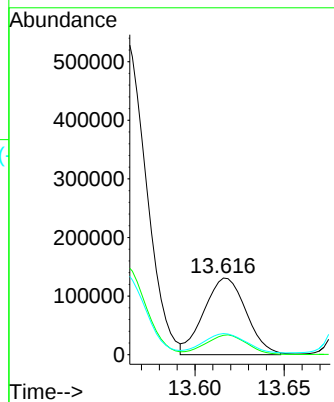
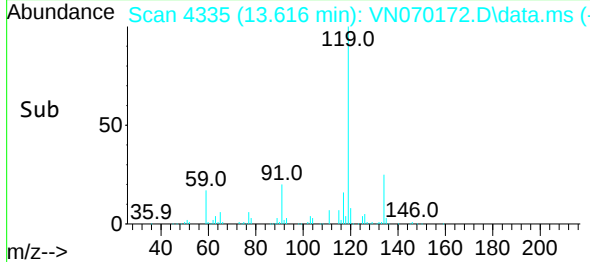
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28



Tgt Ion:119 Resp: 21469
 Ion Ratio Lower Upper
 119 100
 134 115.0 13.6 40.7
 91 0.0 11.4 34.1

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