

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070169.D
 Acq On : 17 Dec 2021 17:27
 Operator : JC/MD
 Sample : M5039-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22

Quant Time: Dec 18 05:46:51 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

12/18/2021
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 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	847396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1436188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1291323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	453522	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.440	65	686469	52.467	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.940%	
35) Dibromofluoromethane	8.024	113	451605	50.201	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.400%	
50) Toluene-d8	10.443	98	1743161	48.258	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.520%	
62) 4-Bromofluorobenzene	12.731	95	579980	44.320	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 88.640%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.388	59	2115593	855.422	ug/l	99
16) Acetone	4.291	43	17368m	2.207	ug/l	
19) Methyl tert-butyl Ether	5.618	73	1774979	56.555	ug/l	96
22) Diisopropyl ether	6.503	45	83336	2.344	ug/l #	87
40) Benzene	8.461	78	51801	1.240	ug/l	97
67) Ethyl Benzene	11.846	91	47211	0.992	ug/l	96
68) m/p-Xylenes	11.956	106	49964	2.884	ug/l	87
69) o-Xylene	12.280	106	5866	0.336	ug/l	86
73) Isopropylbenzene	12.581	105	29488	0.731	ug/l	99
78) n-propylbenzene	12.921	91	27238	0.607	ug/l	99
80) 1,3,5-Trimethylbenzene	13.058	105	16956	0.522	ug/l	95
83) tert-Butylbenzene	13.323	119	11071	0.385	ug/l	87
84) 1,2,4-Trimethylbenzene	13.369	105	64771	2.094	ug/l	96
85) sec-Butylbenzene	13.506	105	16126	0.413	ug/l	85
95) Naphthalene	15.507	128	199093	12.252	ug/l	99

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

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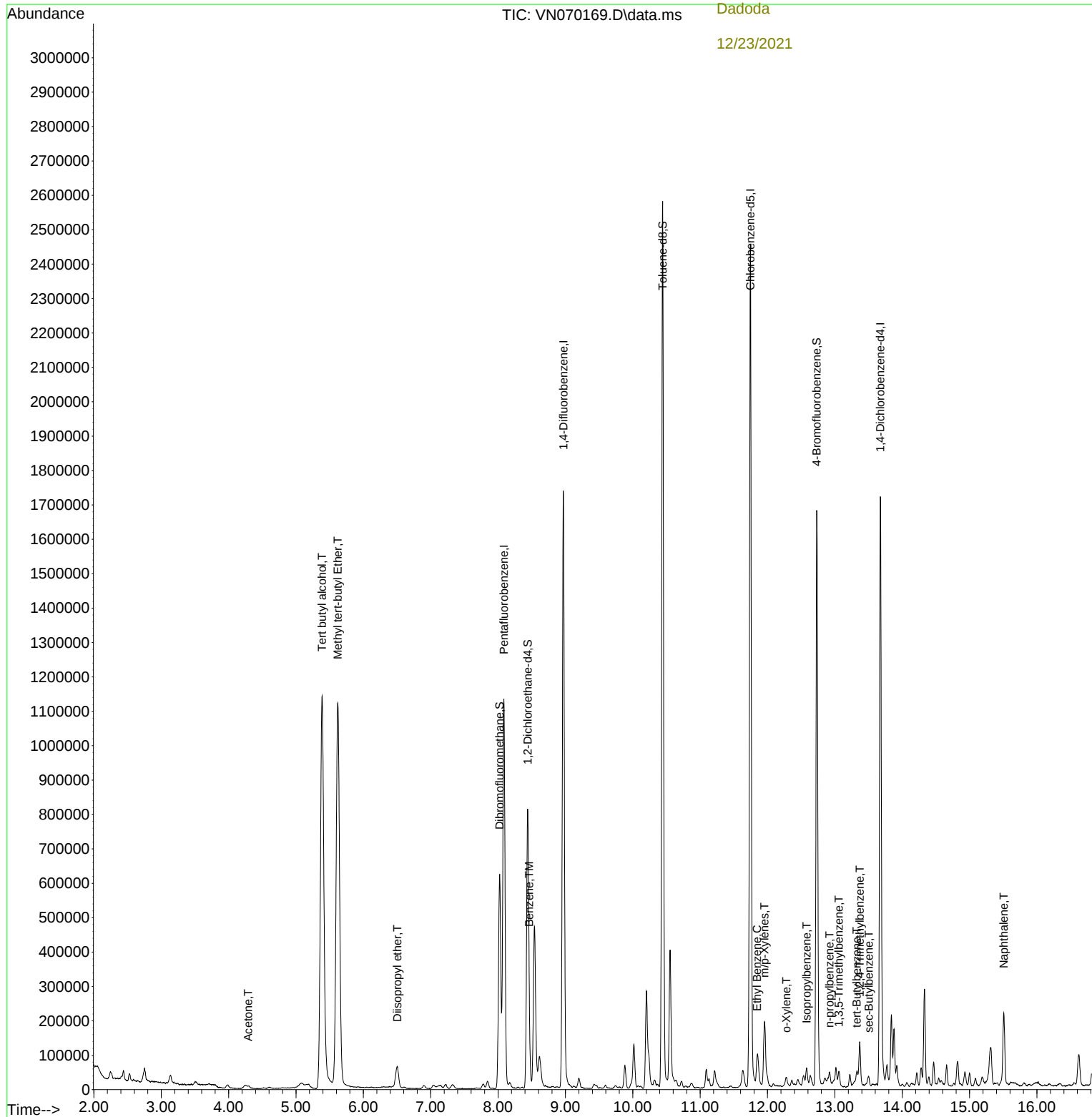
Quant Time: Dec 18 05:46:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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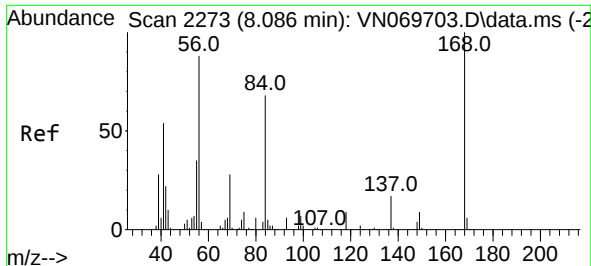
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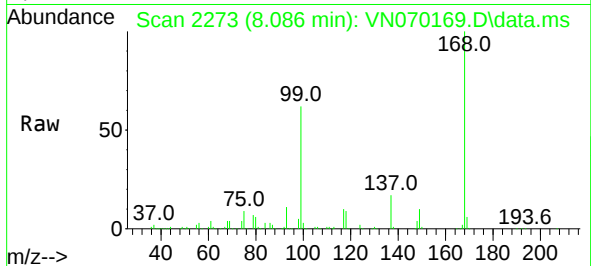
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

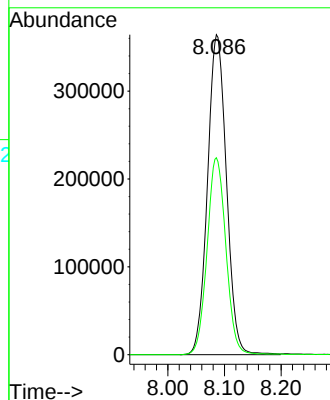
Instrument :
MSVOA_N
ClientSampleId :
MW-22



Tgt Ion:168 Resp: 847390
Ion Ratio Lower Upper
168 100
99 61.6 41.3 61.9

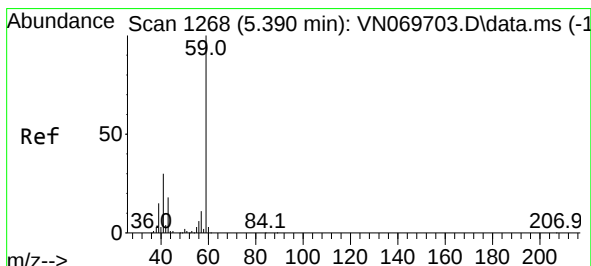
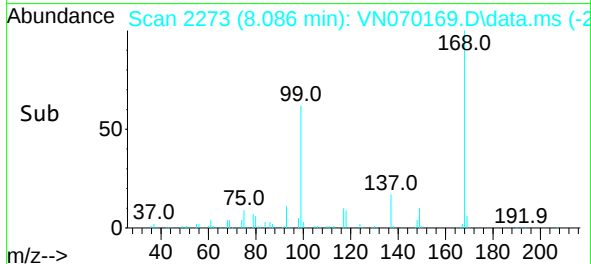
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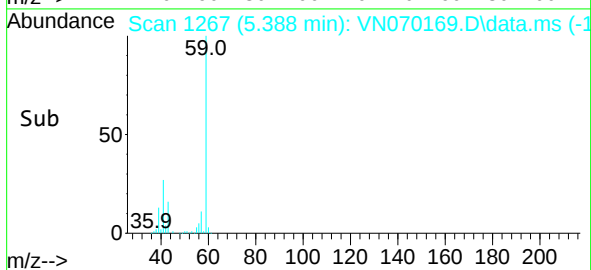
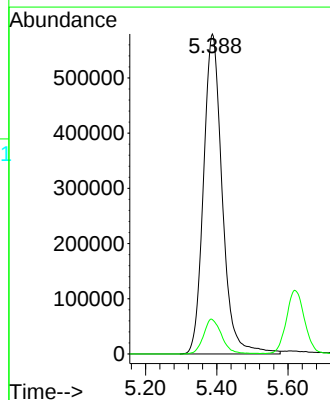
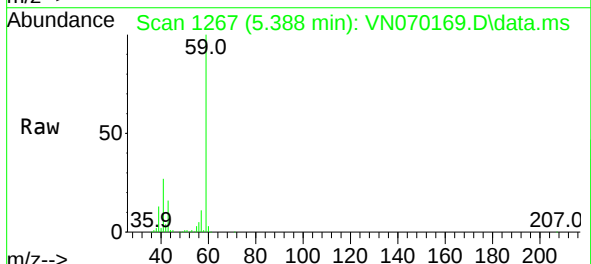
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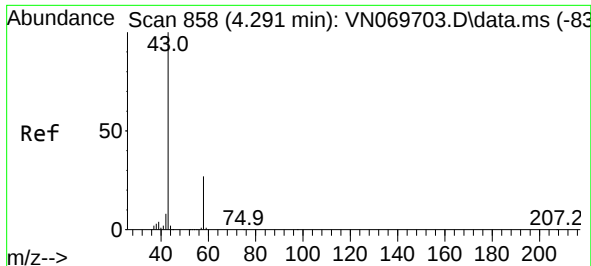
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#11
Tert butyl alcohol
Concen: 855.422 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.003 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

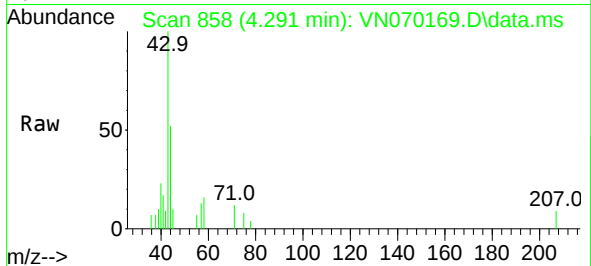
Tgt Ion: 59 Resp: 2115593
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1





#16
Acetone
Concen: 2.207 ug/l m
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

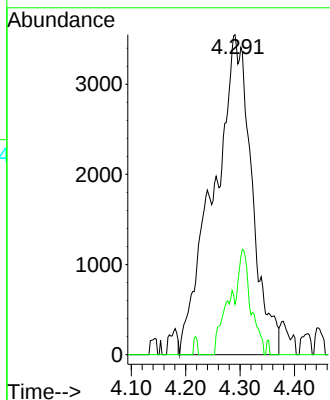
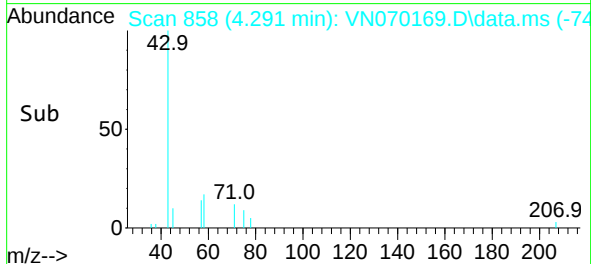
Instrument :
MSVOA_N
ClientSampleId :
MW-22



Tgt Ion: 43 Resp: 17368
Ion Ratio Lower Upper
43 100
58 15.7 23.1 34.7

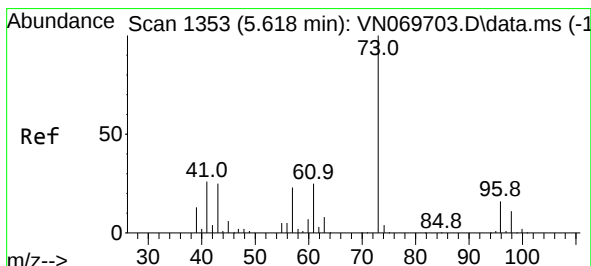
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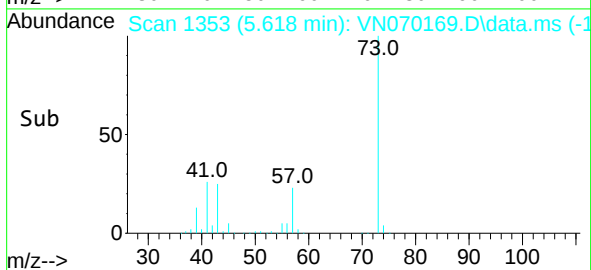
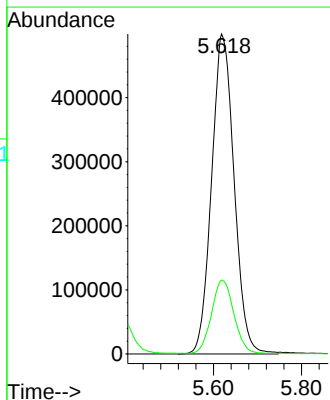
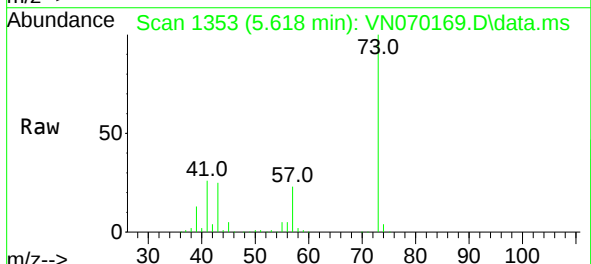
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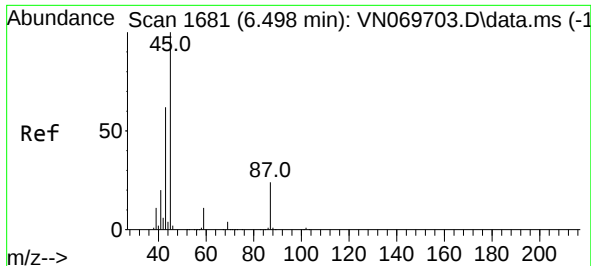
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#19
Methyl tert-butyl Ether
Concen: 56.555 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

Tgt Ion: 73 Resp: 1774979
Ion Ratio Lower Upper
73 100
57 22.9 16.8 25.2





#22

Diisopropyl ether

Concen: 2.344 ug/l

RT: 6.503 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN070169.D

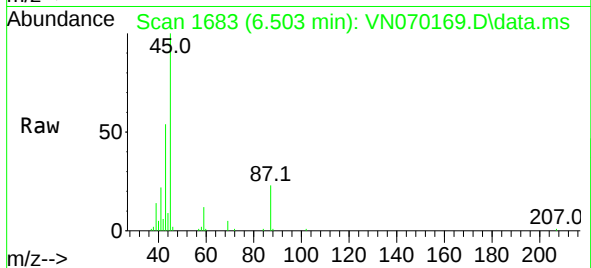
Acq: 17 Dec 2021 17:27

Instrument :

MSVOA_N

ClientSampleId :

MW-22



Tgt Ion: 45 Resp: 83330

Ion Ratio Lower Upper

45 100

43 52.6 51.7 77.5

87 23.0 23.2 34.8

59 10.8 9.4 14.0

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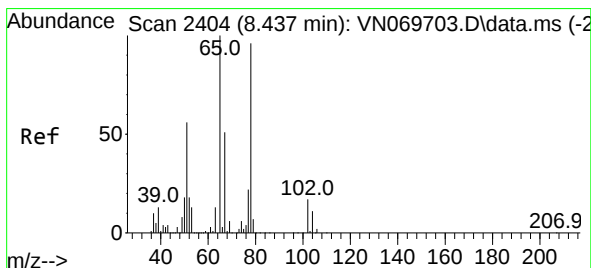
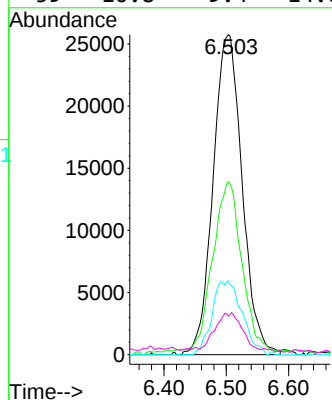
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#33

1,2-Dichloroethane-d4

Concen: 52.467 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN070169.D

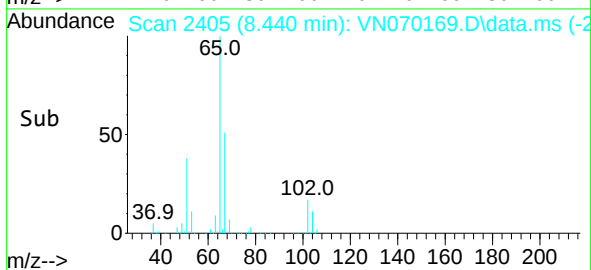
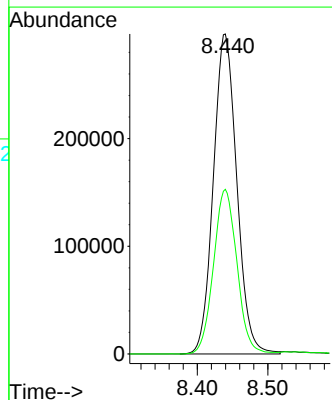
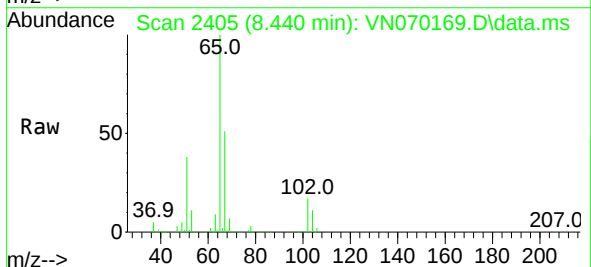
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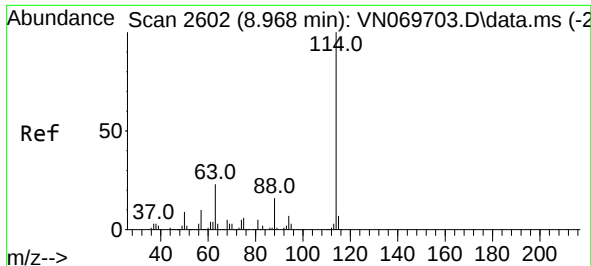
Tgt Ion: 65 Resp: 686469

Ion Ratio Lower Upper

65 100

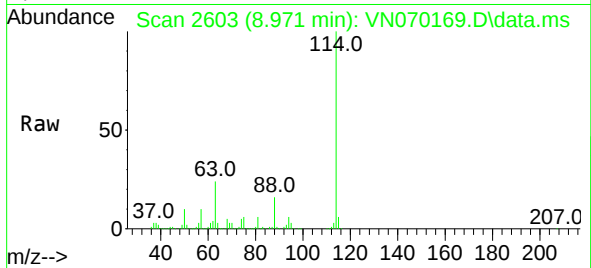
67 51.4 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

Instrument :
MSVOA_N
ClientSampleId :
MW-22



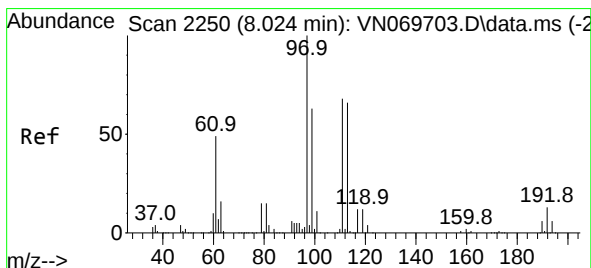
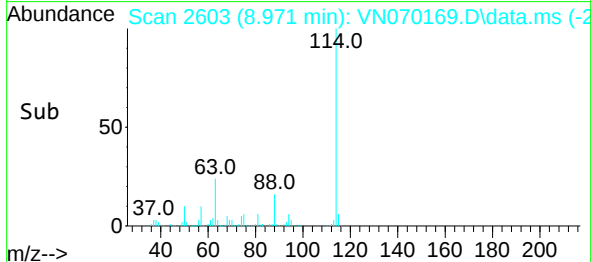
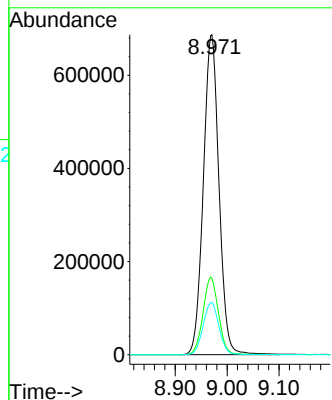
Tgt Ion:114 Resp: 143618
Ion Ratio Lower Upper
114 100
63 23.9 0.0 37.8
88 16.3 0.0 27.4

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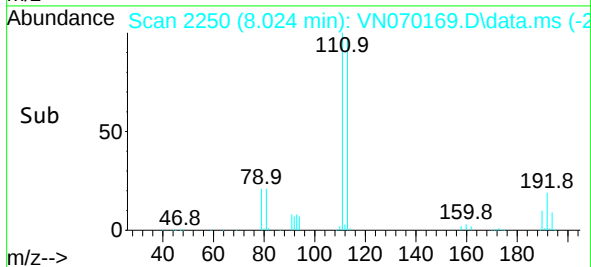
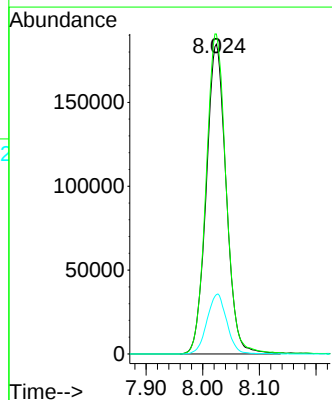
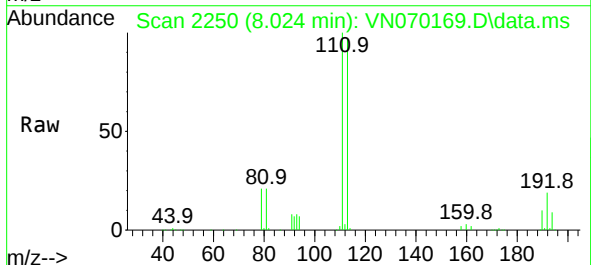
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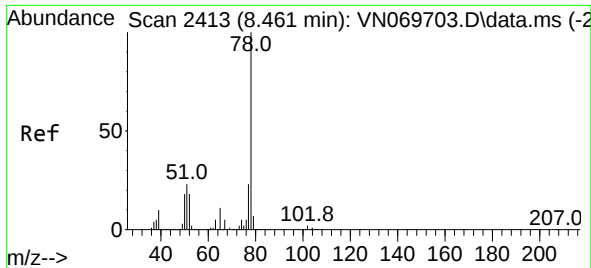
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#35
Dibromofluoromethane
Concen: 50.201 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

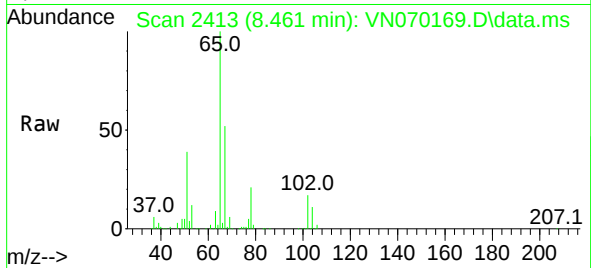
Tgt Ion:113 Resp: 451605
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 19.2 16.9 25.3





#40
Benzene
Concen: 1.240 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

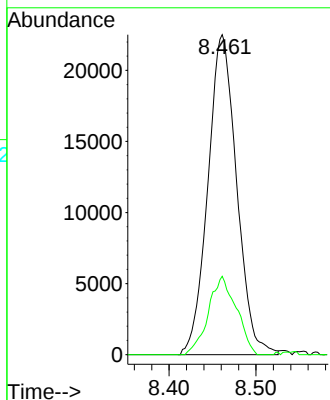
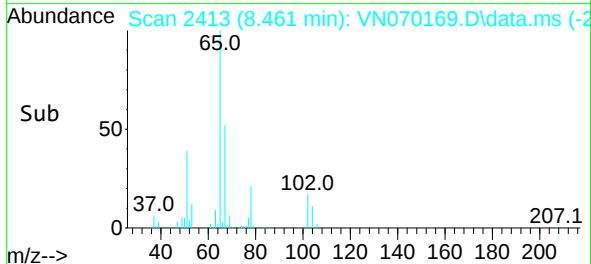
Instrument :
MSVOA_N
ClientSampleId :
MW-22



Tgt Ion: 78 Resp: 5180
Ion Ratio Lower Upper
78 100
77 24.5 18.6 27.8

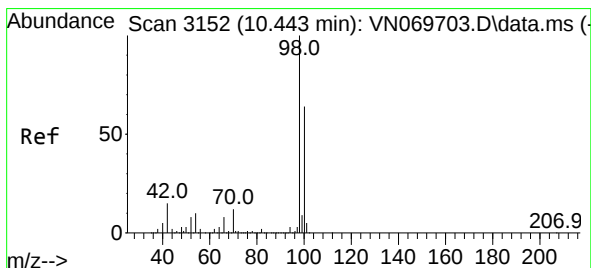
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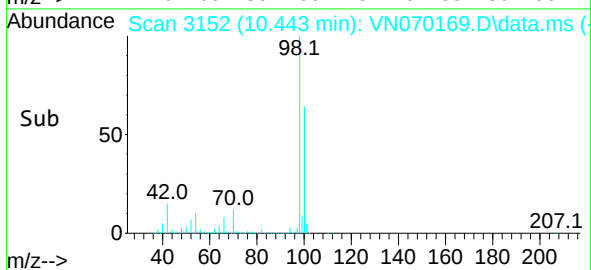
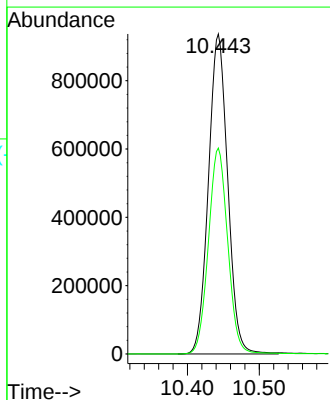
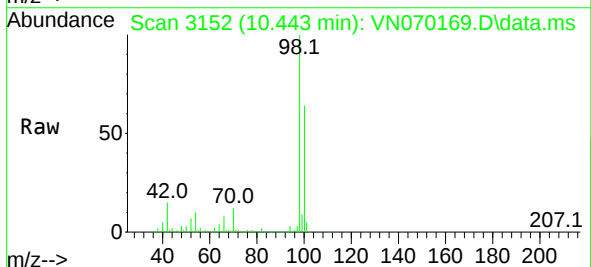
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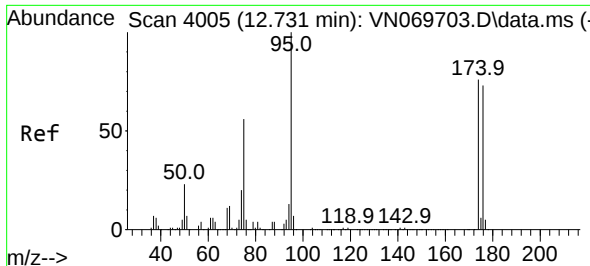
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#50
Toluene-d8
Concen: 48.258 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

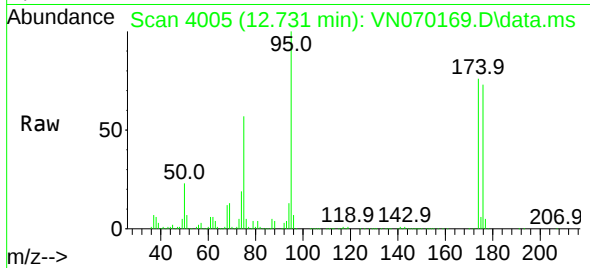
Tgt Ion: 98 Resp: 1743161
Ion Ratio Lower Upper
98 100
100 64.7 50.4 75.6





#62
4-Bromofluorobenzene
Concen: 44.320 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

Instrument :
MSVOA_N
ClientSampleId :
MW-22



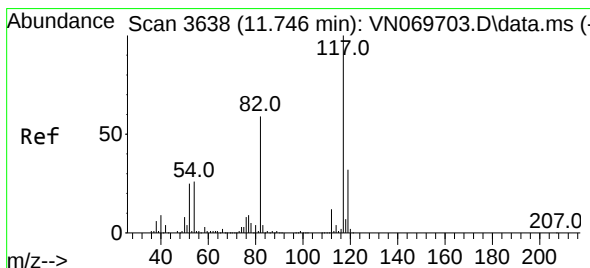
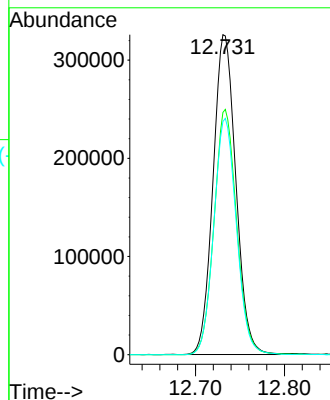
Tgt Ion: 95 Resp: 579980
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.5 0.0 181.4

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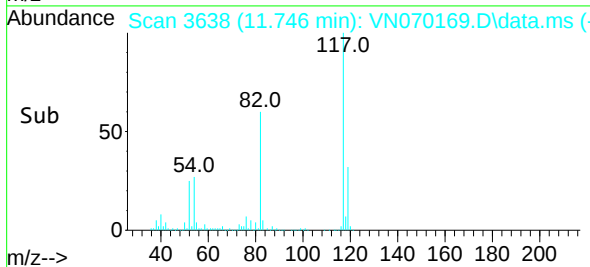
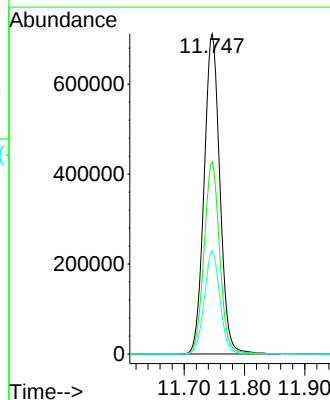
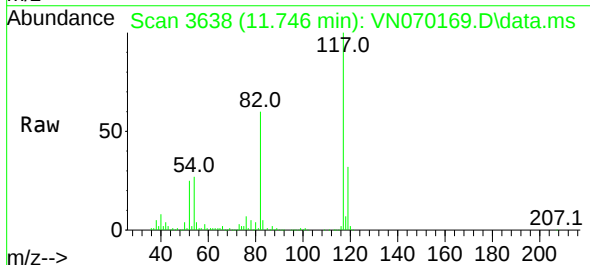
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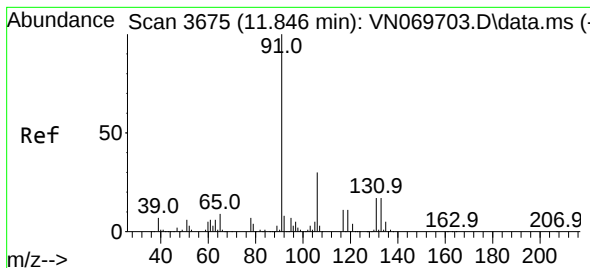
12/23/2021



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

Tgt Ion:117 Resp: 1291323
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 32.2 25.4 38.2





#67

Ethyl Benzene

Concen: 0.992 ug/l

RT: 11.846 min Scan# 3675

Delta R.T. 0.000 min

Lab File: VN070169.D

Acq: 17 Dec 2021 17:27

Instrument :

MSVOA_N

ClientSampleId :

MW-22

Tgt Ion: 91 Resp: 4721

Ion Ratio Lower Upper

91 100

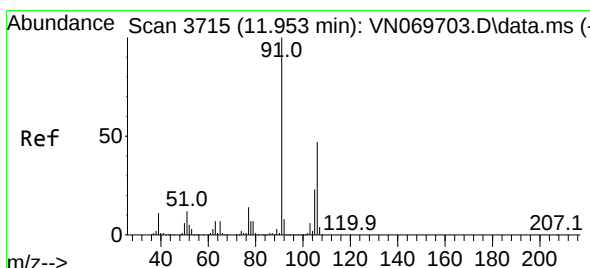
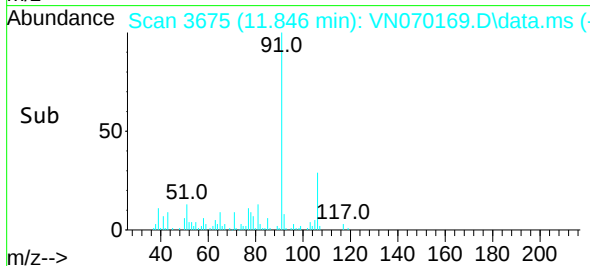
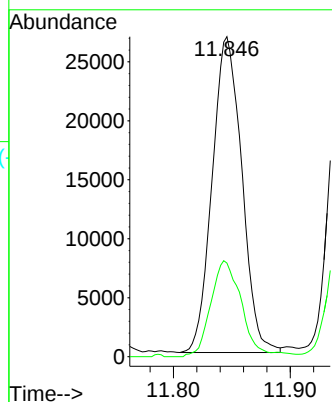
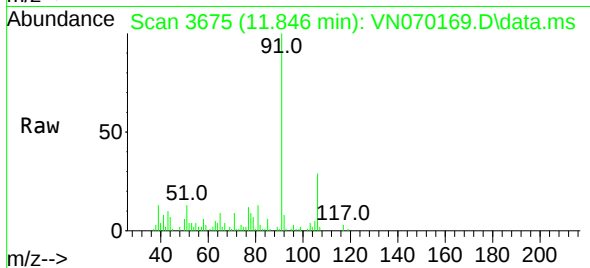
106 29.6 25.7 38.5

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#68

m/p-Xylenes

Concen: 2.884 ug/l

RT: 11.956 min Scan# 3716

Delta R.T. 0.003 min

Lab File: VN070169.D

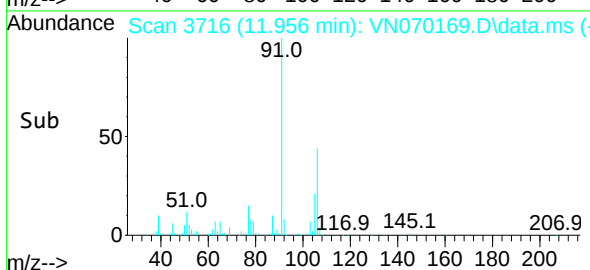
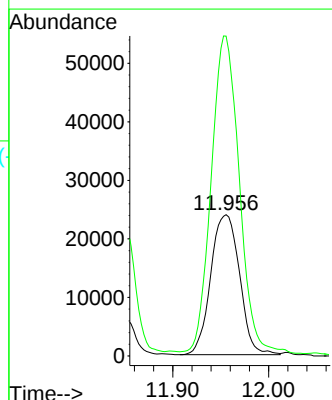
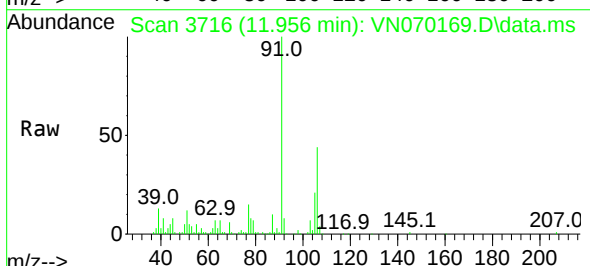
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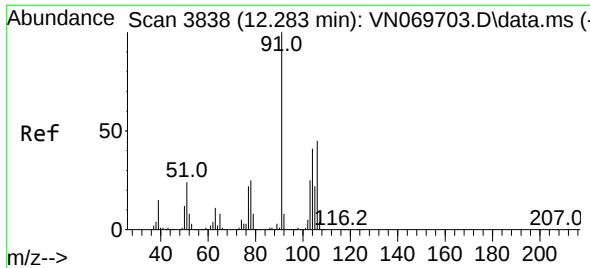
Tgt Ion:106 Resp: 49964

Ion Ratio Lower Upper

106 100

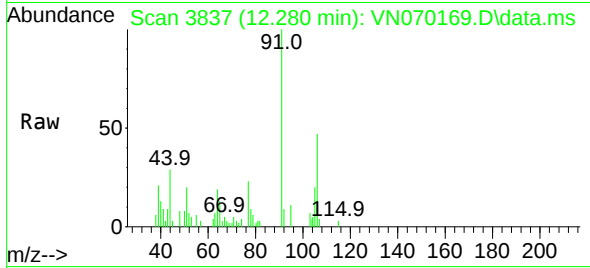
91 220.7 160.6 240.8





#69
o-Xylene
Concen: 0.336 ug/l
RT: 12.280 min Scan# 3838
Delta R.T. -0.003 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

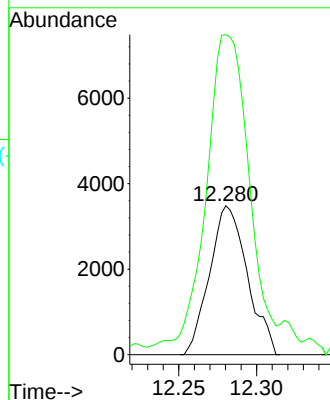
Instrument :
MSVOA_N
ClientSampleId :
MW-22



Tgt Ion:106 Resp: 5860
Ion Ratio Lower Upper
106 100
91 232.8 105.8 317.3

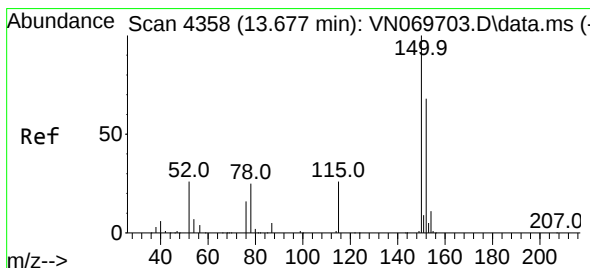
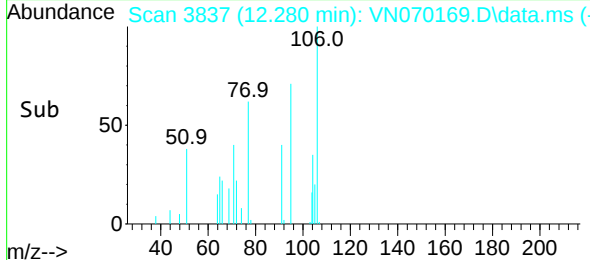
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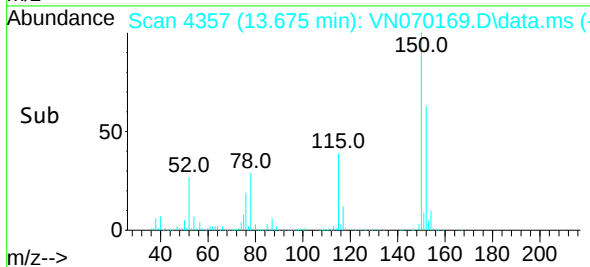
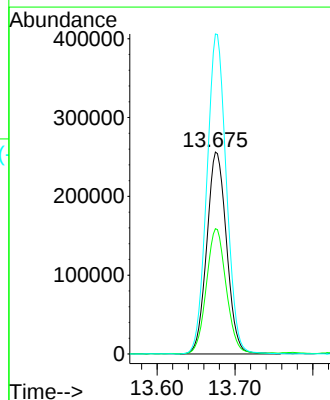
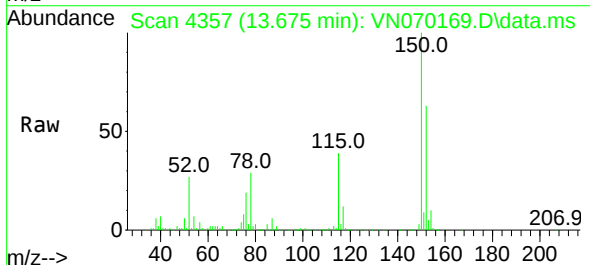
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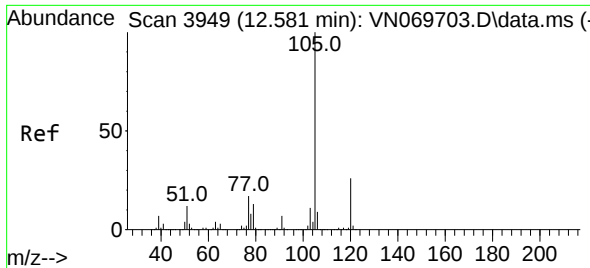
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

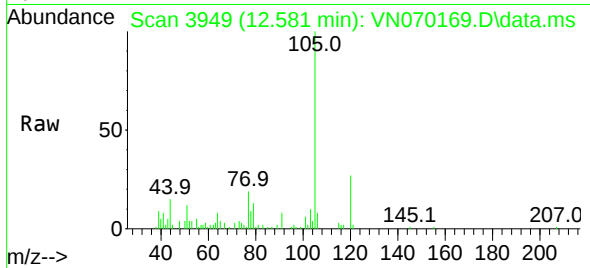
Tgt Ion:152 Resp: 453522
Ion Ratio Lower Upper
152 100
115 62.1 27.5 82.5
150 156.2 0.0 344.4





#73
Isopropylbenzene
Concen: 0.731 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

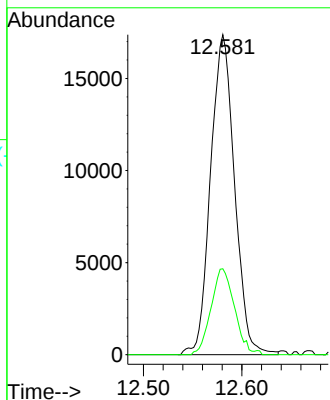
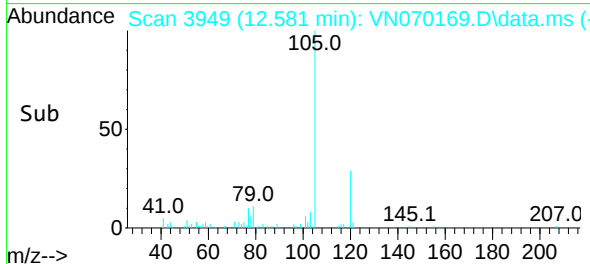
Instrument :
MSVOA_N
ClientSampleId :
MW-22



Tgt Ion: 105 Resp: 2948
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.1

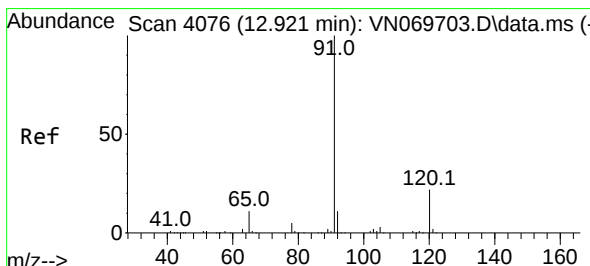
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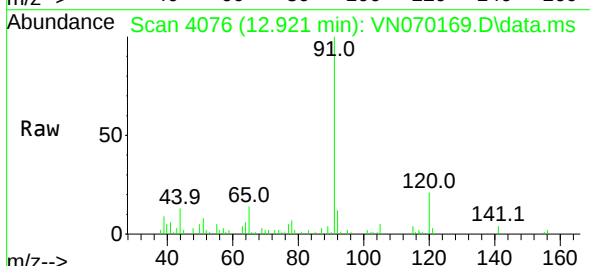


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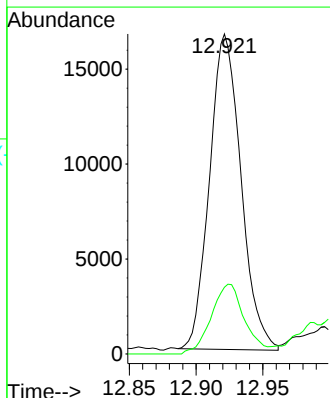
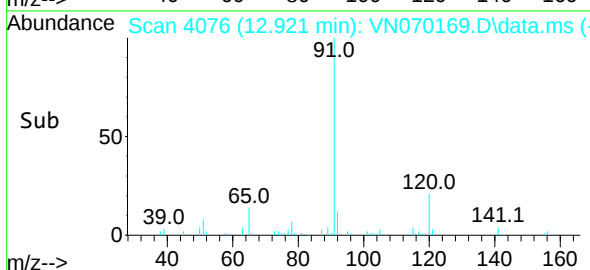
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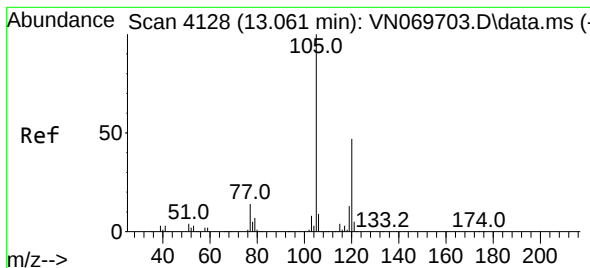


#78
n-propylbenzene
Concen: 0.607 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27



Tgt Ion: 91 Resp: 27238
Ion Ratio Lower Upper
91 100
120 23.4 11.9 35.9





#80

1,3,5-Trimethylbenzene

Concen: 0.522 ug/l

RT: 13.058 min Scan# 4128

Delta R.T. -0.003 min

Lab File: VN070169.D

Acq: 17 Dec 2021 17:27

Instrument :

MSVOA_N

ClientSampleId :

MW-22

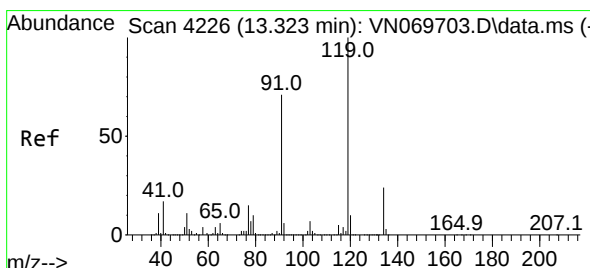
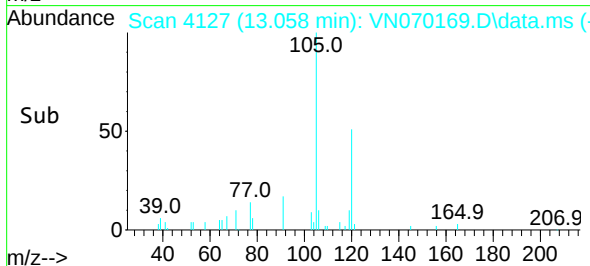
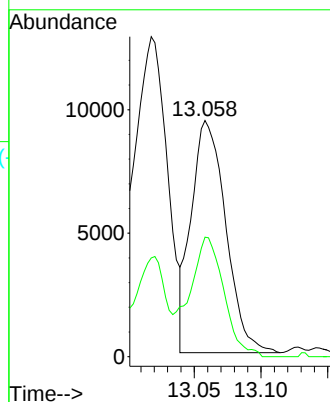
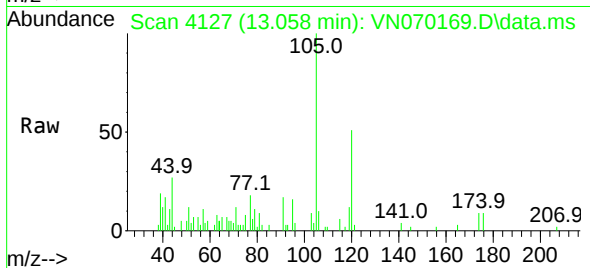
Tgt Ion:105 Resp: 16950
 Ion Ratio Lower Upper
 105 100
 120 45.6 24.6 73.6

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#83

tert-Butylbenzene

Concen: 0.385 ug/l

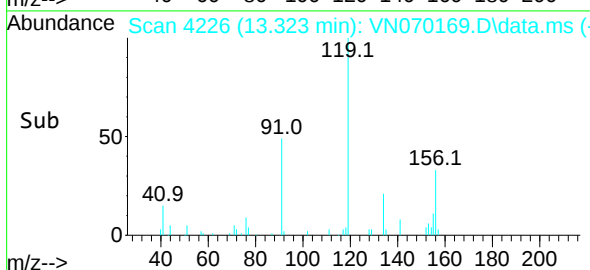
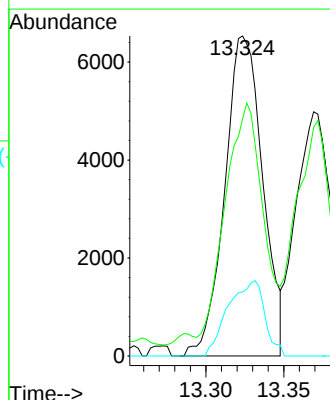
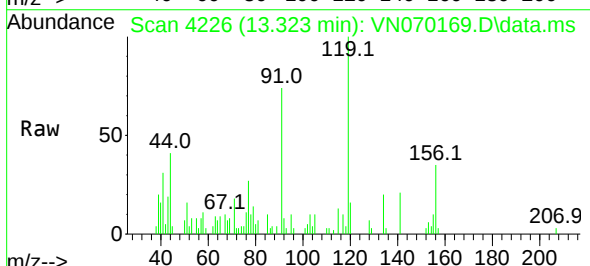
RT: 13.323 min Scan# 4226

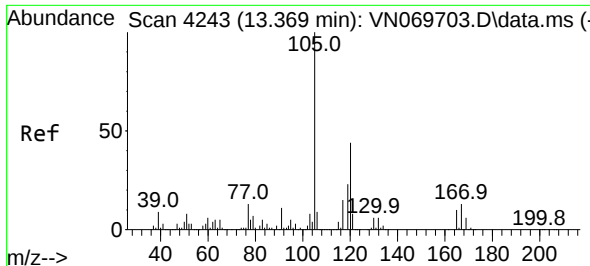
Delta R.T. 0.000 min

Lab File: VN070169.D

Acq: 17 Dec 2021 17:27

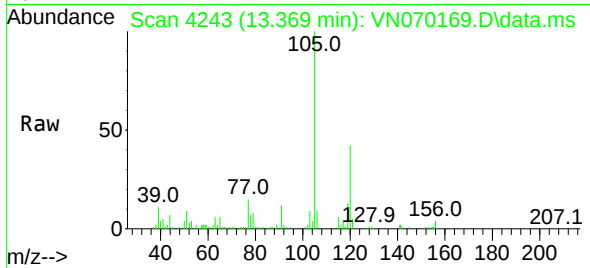
Tgt Ion:119 Resp: 11071
 Ion Ratio Lower Upper
 119 100
 91 75.9 31.5 94.5
 134 22.6 12.4 37.4





#84
1,2,4-Trimethylbenzene
Concen: 2.094 ug/l
RT: 13.369 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

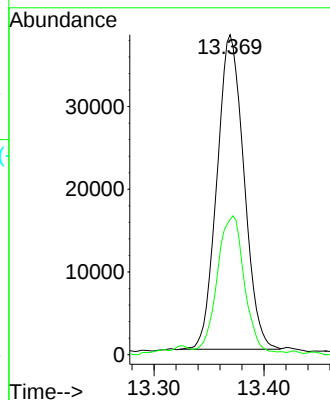
Instrument :
MSVOA_N
ClientSampleId :
MW-22



Tgt Ion:105 Resp: 6477
Ion Ratio Lower Upper
105 100
120 43.3 22.8 68.4

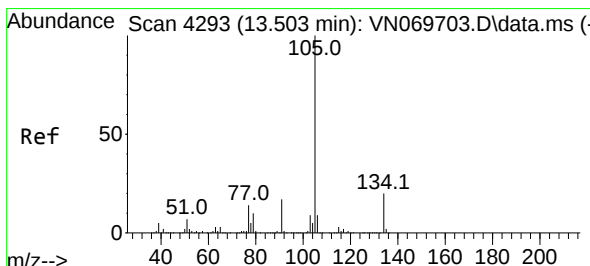
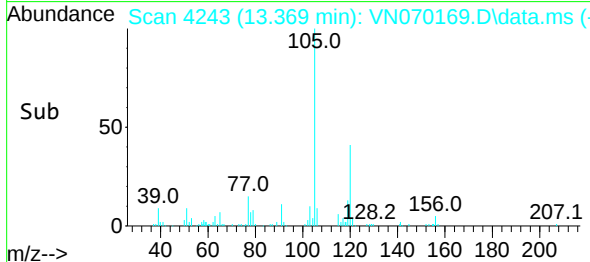
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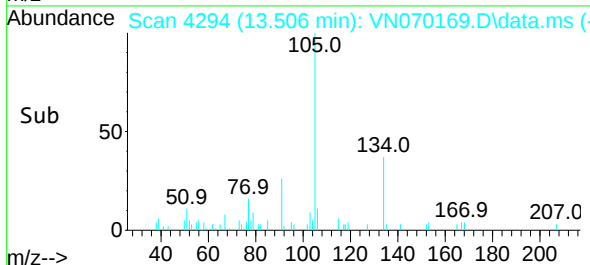
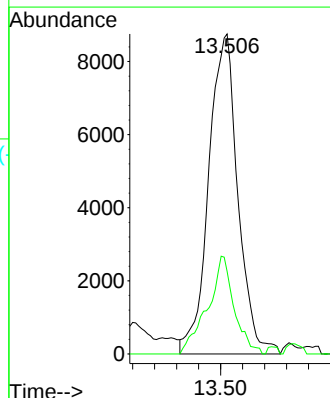
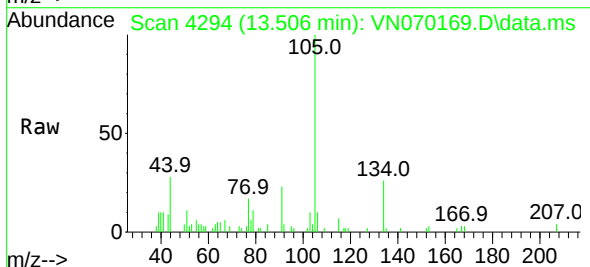
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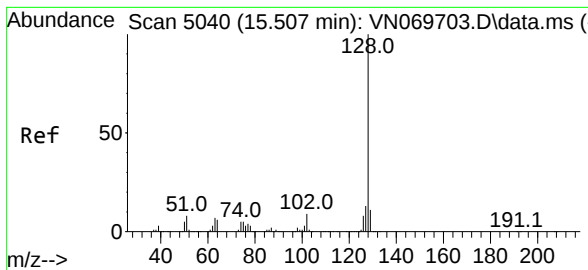
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#85
sec-Butylbenzene
Concen: 0.413 ug/l
RT: 13.506 min Scan# 4294
Delta R.T. 0.003 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

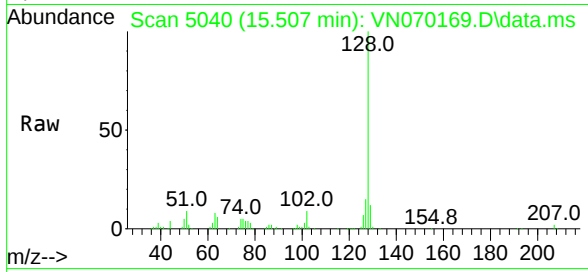
Tgt Ion:105 Resp: 16126
Ion Ratio Lower Upper
105 100
134 27.7 10.4 31.1





#95
Naphthalene
Concen: 12.252 ug/l
RT: 15.507 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN070169.D
Acq: 17 Dec 2021 17:27

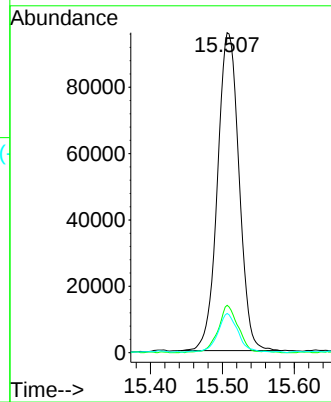
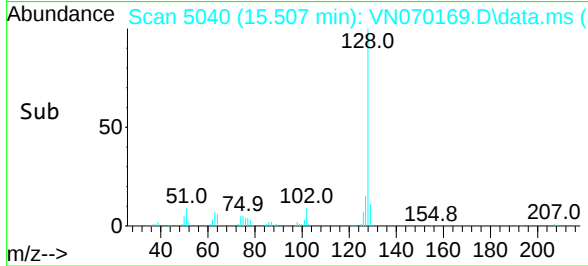
Instrument :
MSVOA_N
ClientSampleId :
MW-22



Tgt Ion:128 Resp: 19909
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 11.0 8.7 13.1

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