

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070112.D
 Acq On : 15 Dec 2021 15:27
 Operator : JC/MD
 Sample : M4970-10RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-32RE

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2021
 Supervised By : mohammad ahmed 12/23/2021

Quant Time: Dec 16 05:39:23 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

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1110239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2113985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2472256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1063950	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	882789	51.50	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.00%			
35) Dibromofluoromethane	8.024	113	618101	46.68	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.36%			
50) Toluene-d8	10.443	98	2790987	52.49	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.98%			
62) 4-Bromofluorobenzene	12.733	95	1259525	65.39	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 130.78%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.380	59	380138	117.32	ug/l	99
16) Acetone	4.296	43	51588m	5.00	ug/l	
19) Methyl tert-butyl Ether	5.624	73	233683	5.68	ug/l #	1
22) Diisopropyl ether	6.501	45	338943	7.28	ug/l #	86
31) Cyclohexane	8.094	56	212983	8.93	ug/l #	85
39) Methylcyclohexane	9.461	83	88229	3.69	ug/l #	84
40) Benzene	8.461	78	1644694	26.74	ug/l	99
52) Toluene	10.505	92	17083	0.45	ug/l	100
67) Ethyl Benzene	11.846	91	18834	0.21	ug/l	93
68) m/p-Xylenes	11.956	106	21766	0.66	ug/l	87
69) o-Xylene	12.280	106	9539	0.29	ug/l	92
73) Isopropylbenzene	12.578	105	365681	3.86	ug/l	99
78) n-propylbenzene	12.921	91	329168	3.12	ug/l	96
85) sec-Butylbenzene	13.501	105	26795	0.29	ug/l	99
95) Naphthalene	15.507	128	22190m	4.38	ug/l	

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

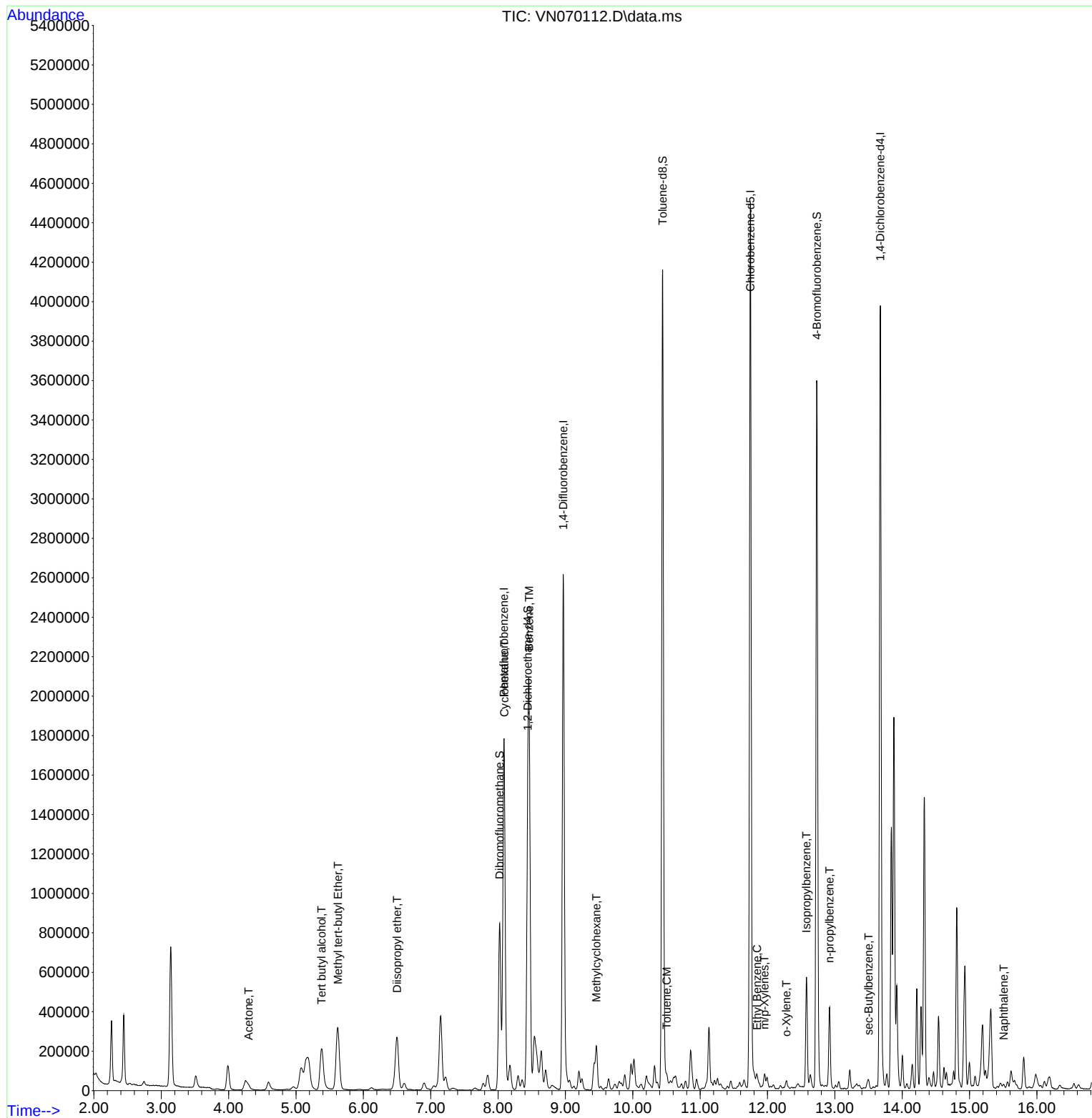
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
Data File : VN070112.D
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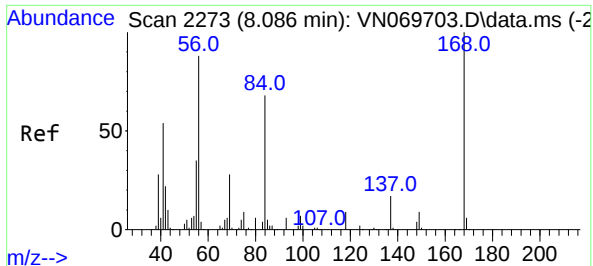
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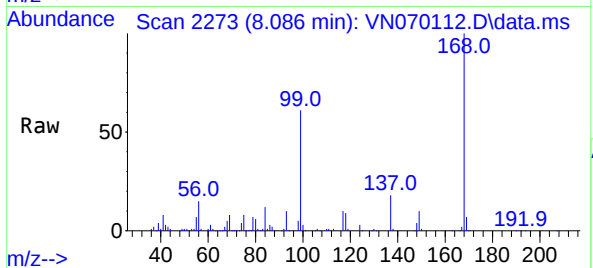
Quant Time: Dec 16 05:39:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

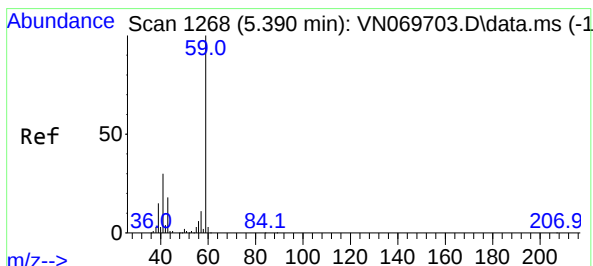
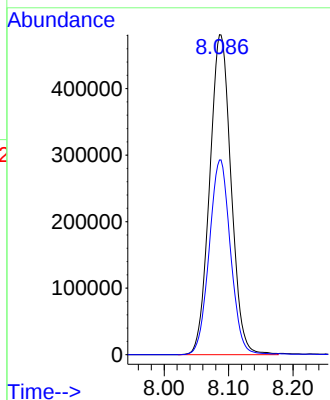
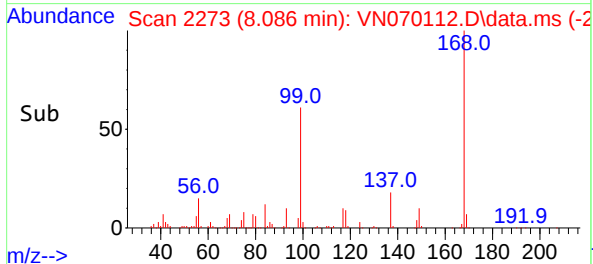
Instrument :
MSVOA_N
ClientSampleId :
MW-32RE



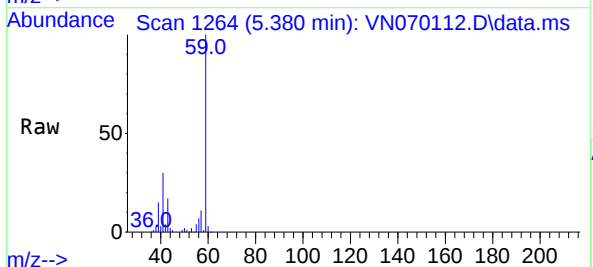
Tgt Ion:168 Resp: 1110239
Ion Ratio Lower Upper
168 100
99 60.8 41.3 61.9

Manual Integrations
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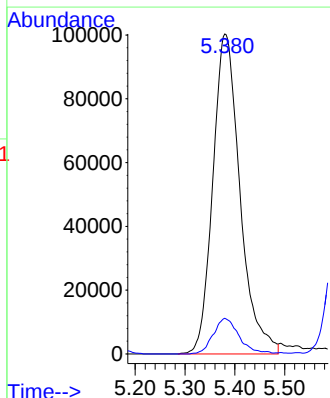
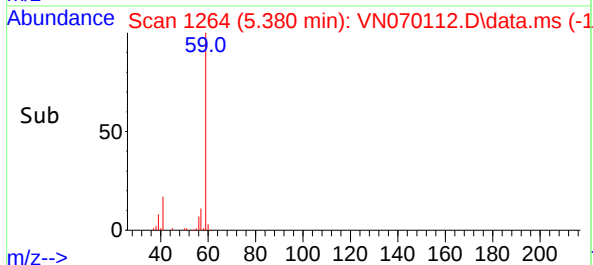
Reviewed By :John Carlone 12/16/2021
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#11
Tert butyl alcohol
Concen: 117.32 ug/l
RT: 5.380 min Scan# 1264
Delta R.T. -0.011 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27



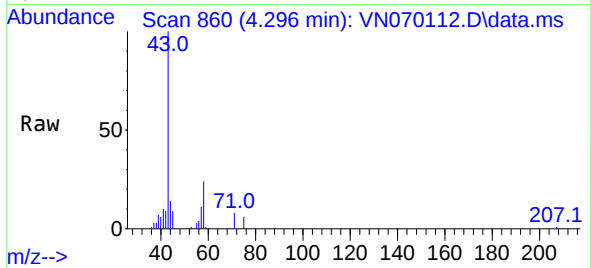
Tgt Ion: 59 Resp: 380138
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1





#16
Acetone
Concen: 5.00 ug/l m
RT: 4.296 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

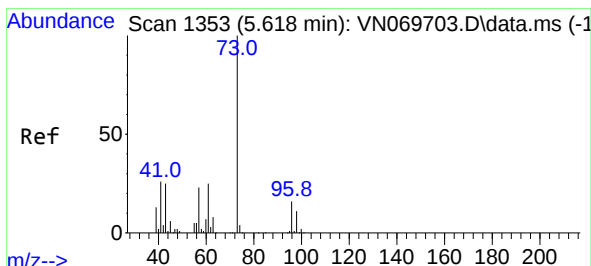
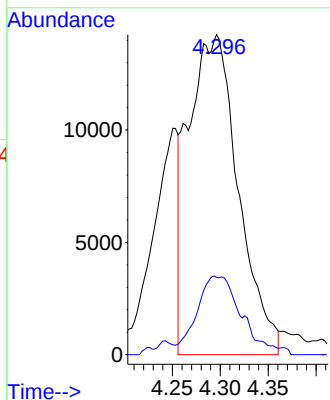
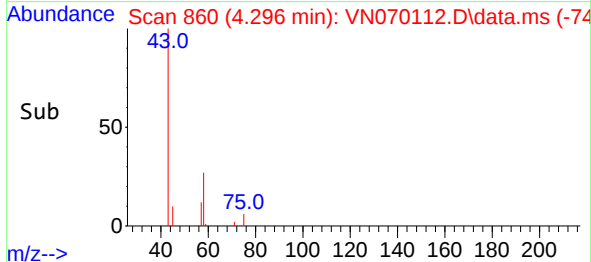
Instrument :
MSVOA_N
ClientSampleId :
MW-32RE



Tgt Ion: 43 Resp: 51588
Ion Ratio Lower Upper
43 100
58 24.1 23.1 34.7

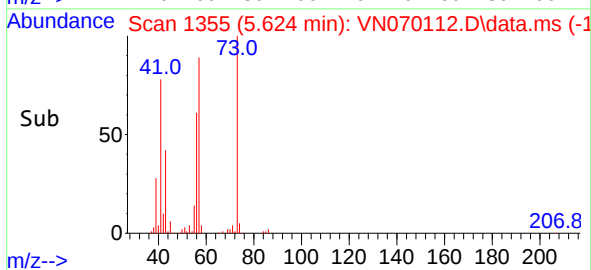
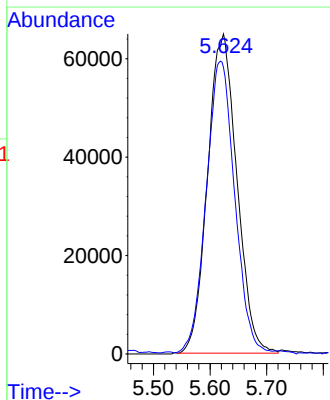
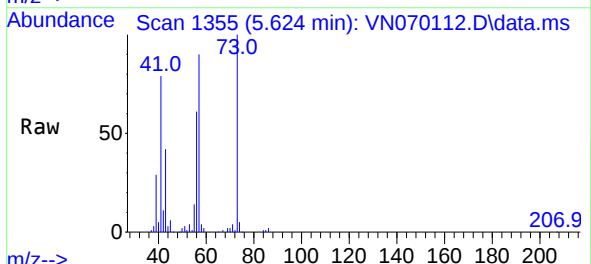
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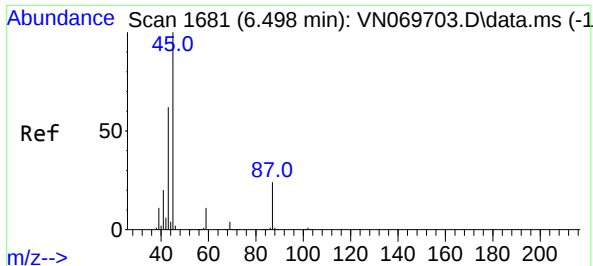
Reviewed By :John Carlone 12/16/2021
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#19
Methyl tert-butyl Ether
Concen: 5.68 ug/l
RT: 5.624 min Scan# 1355
Delta R.T. 0.005 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

Tgt Ion: 73 Resp: 233683
Ion Ratio Lower Upper
73 100
57 89.2 16.8 25.2#





#22

Diisopropyl ether

Concen: 7.28 ug/l

RT: 6.501 min Scan# 1

Delta R.T. 0.003 min

Lab File: VN070112.D

Acq: 15 Dec 2021 15:27

Instrument :

MSVOA_N

ClientSampleId :

MW-32RE

Tgt Ion: 45 Resp: 33894

Ion Ratio Lower Upper

45 100

43 51.9 51.7 77.5

87 22.4 23.2 34.8

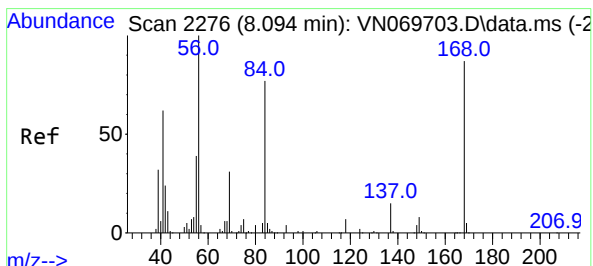
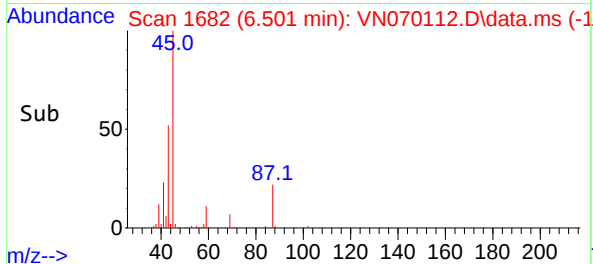
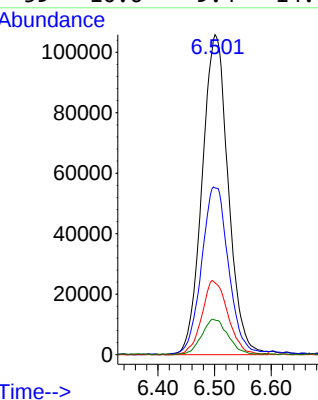
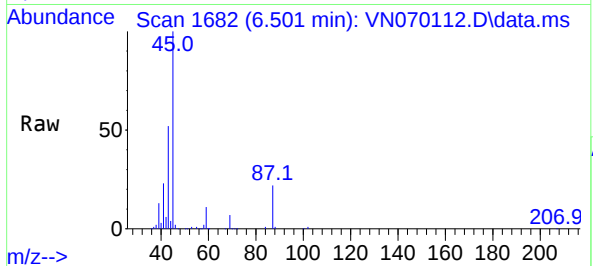
59 10.6 9.4 14.0

Manual Integrations

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#31

Cyclohexane

Concen: 8.93 ug/l

RT: 8.094 min Scan# 2276

Delta R.T. 0.000 min

Lab File: VN070112.D

Acq: 15 Dec 2021 15:27

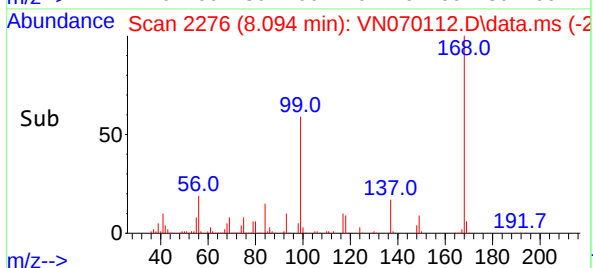
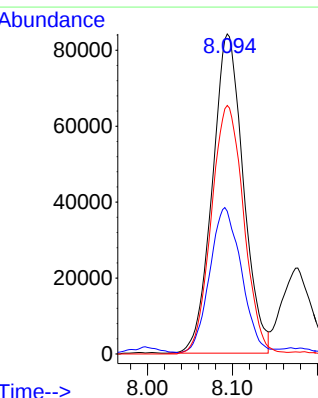
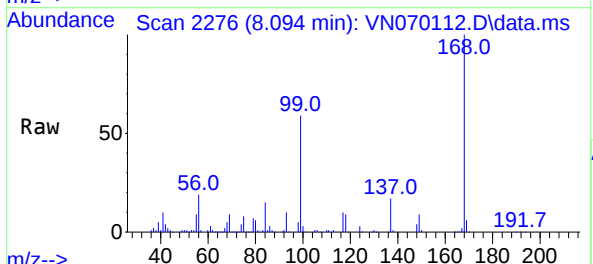
Tgt Ion: 56 Resp: 212983

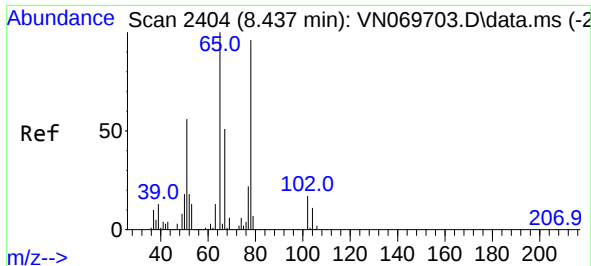
Ion Ratio Lower Upper

56 100

69 44.0 27.1 40.7

84 77.8 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 51.50 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070112.D

Acq: 15 Dec 2021 15:27

Instrument :

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Tgt Ion: 65 Resp: 882785

Ion Ratio Lower Upper

65 100

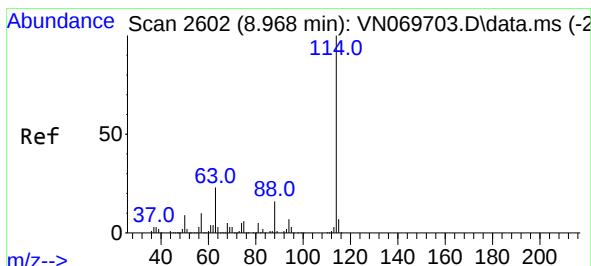
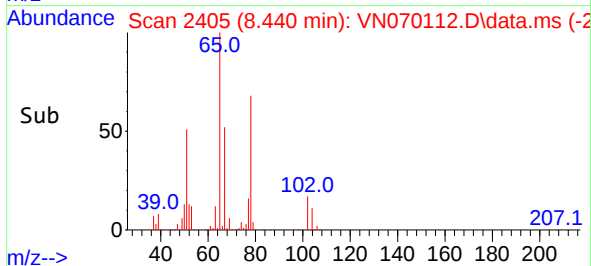
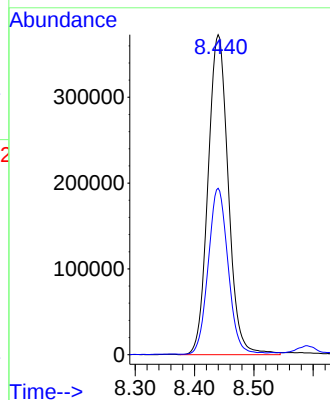
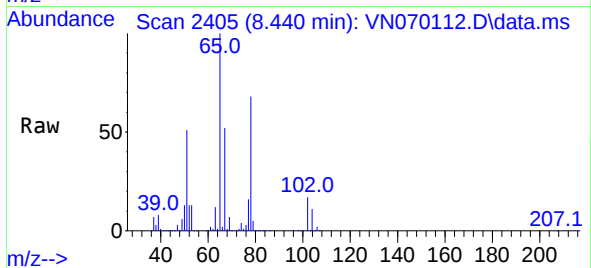
67 50.6 0.0 103.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070112.D

Acq: 15 Dec 2021 15:27

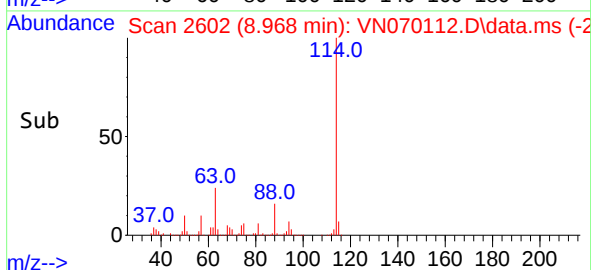
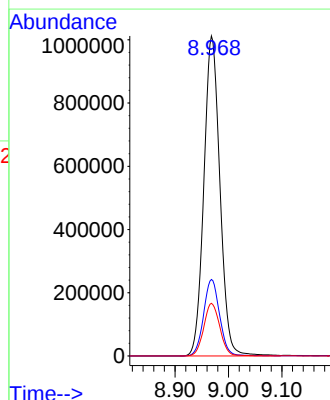
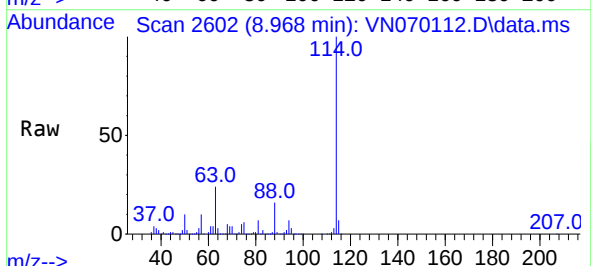
Tgt Ion:114 Resp: 2113985

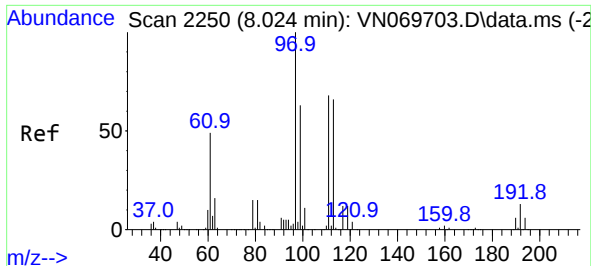
Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

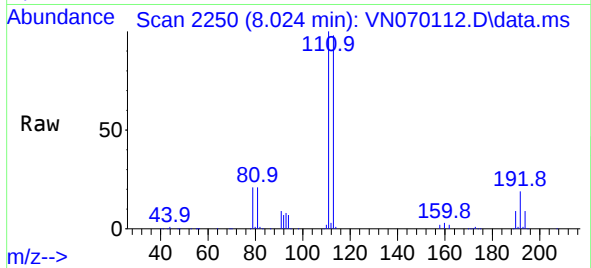
88 16.5 0.0 27.4





#35
Dibromofluoromethane
Concen: 46.68 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

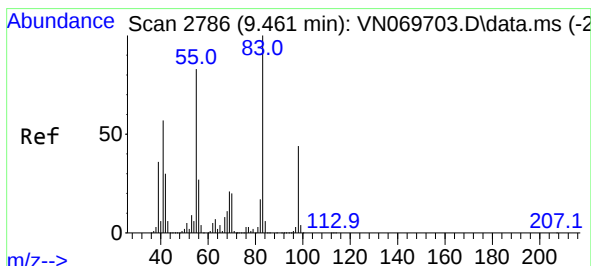
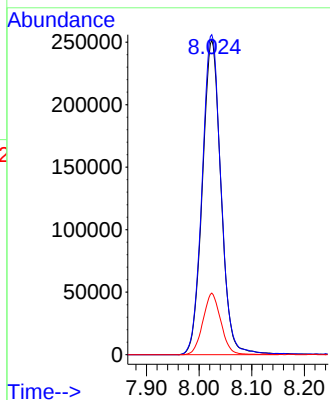
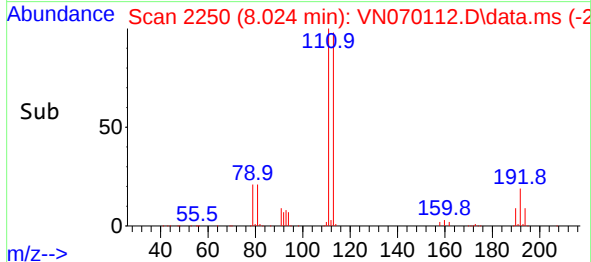
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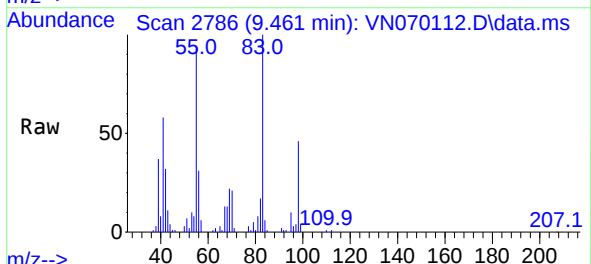
Tgt Ion: 113 Resp: 61810
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 18.9 16.9 25.3

Manual Integrations
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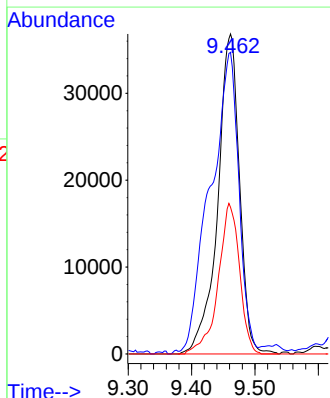
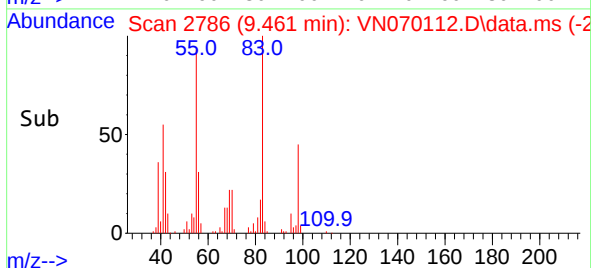
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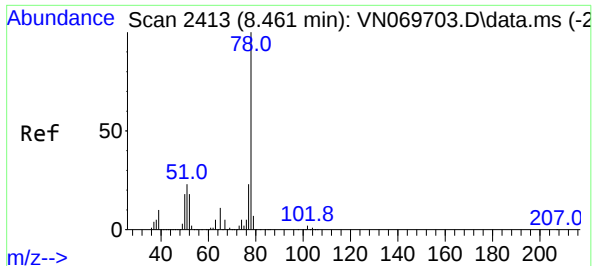


#39
Methylcyclohexane
Concen: 3.69 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27



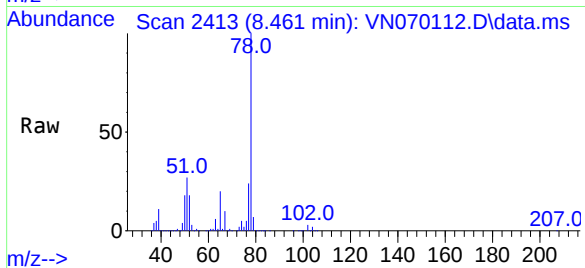
Tgt Ion: 83 Resp: 88229
Ion Ratio Lower Upper
83 100
55 93.4 58.1 87.1#
98 45.9 38.4 57.6





#40
Benzene
Concen: 26.74 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

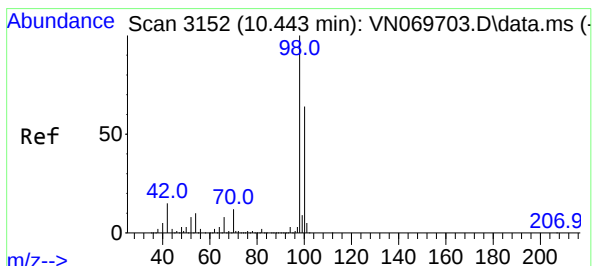
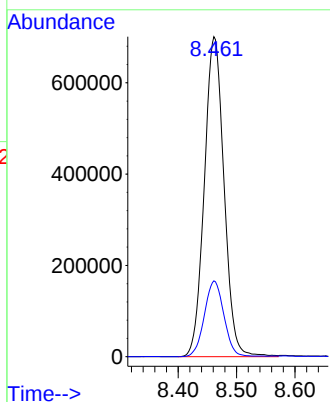
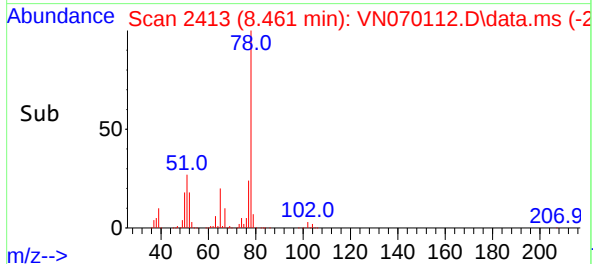
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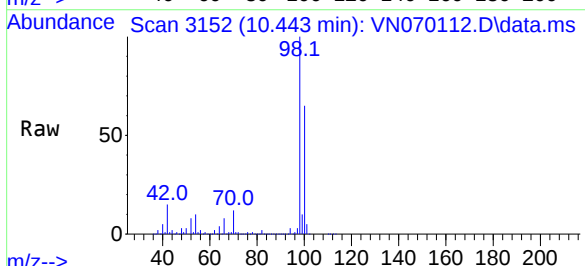
Tgt Ion: 78 Resp: 1644694
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8

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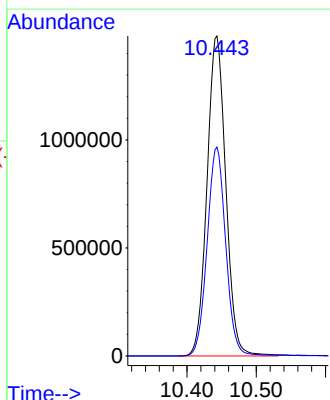
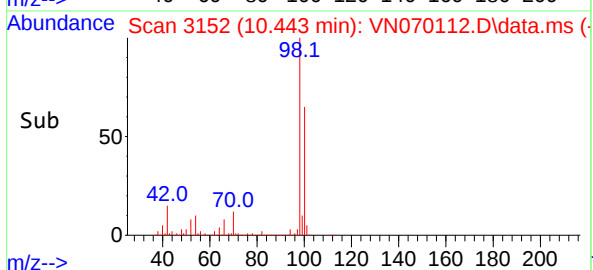
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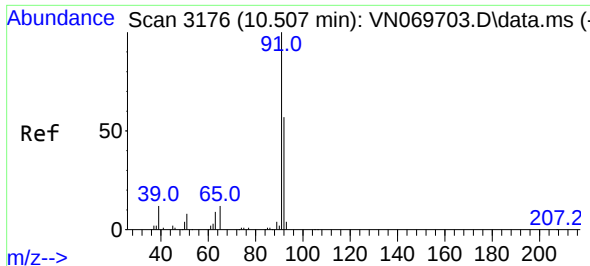


#50
Toluene-d8
Concen: 52.49 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27



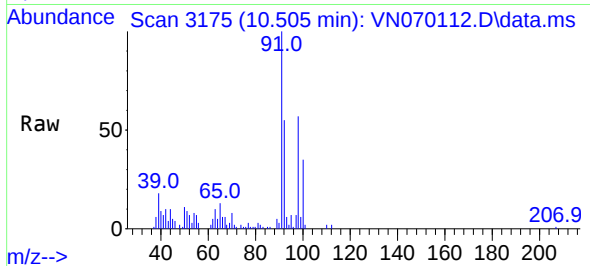
Tgt Ion: 98 Resp: 2790987
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6





#52
Toluene
Concen: 0.45 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

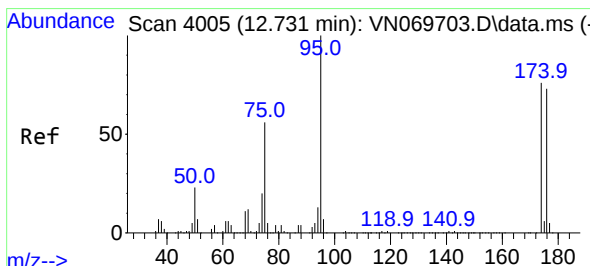
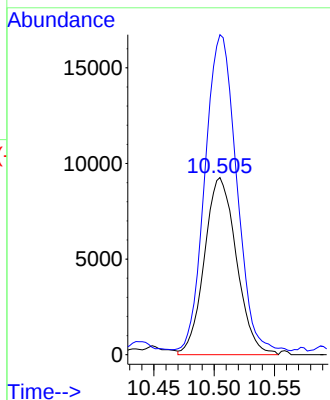
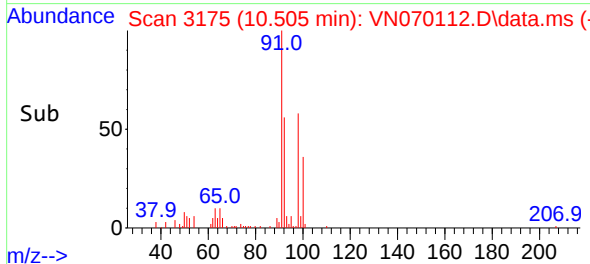
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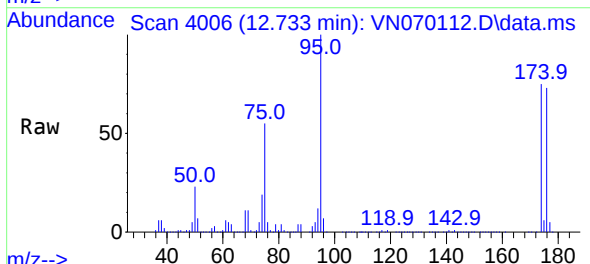
Tgt Ion: 92 Resp: 17083
Ion Ratio Lower Upper
92 100
91 177.4 142.0 213.0

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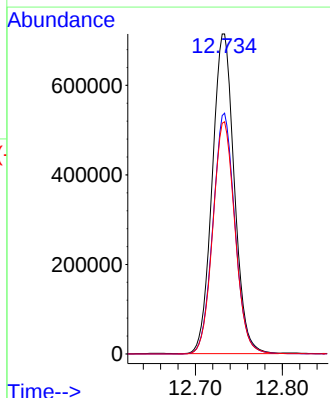
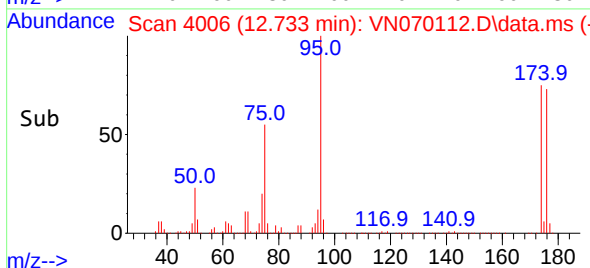
Reviewed By :John Carlone 12/16/2021
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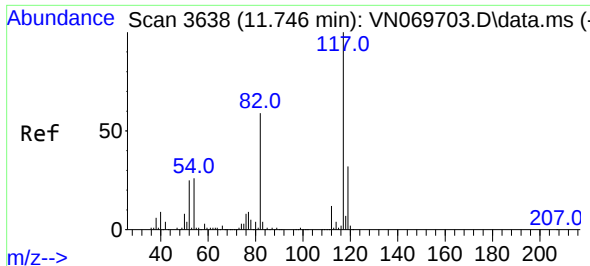


#62
4-Bromofluorobenzene
Concen: 65.39 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27



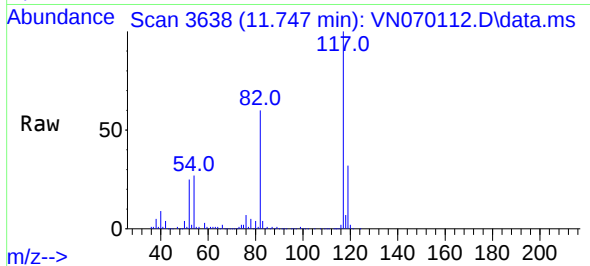
Tgt Ion: 95 Resp: 1259525
Ion Ratio Lower Upper
95 100
174 74.9 0.0 187.2
176 72.9 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

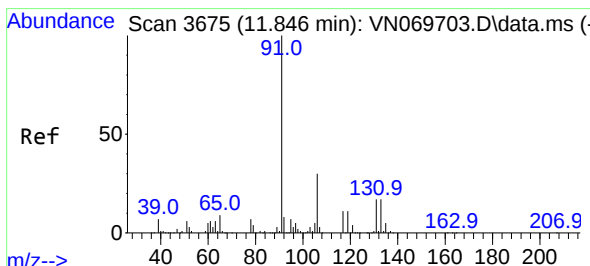
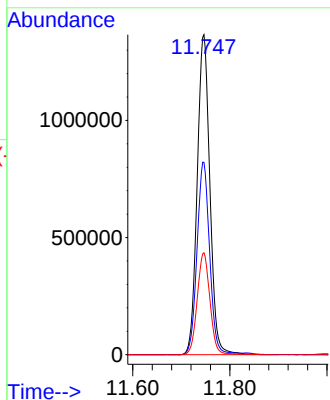
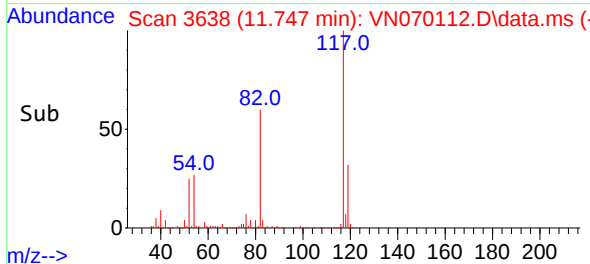
Instrument :
MSVOA_N
ClientSampleId :
MW-32RE



Tgt Ion: 117 Resp: 2472250
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 31.8 25.4 38.2

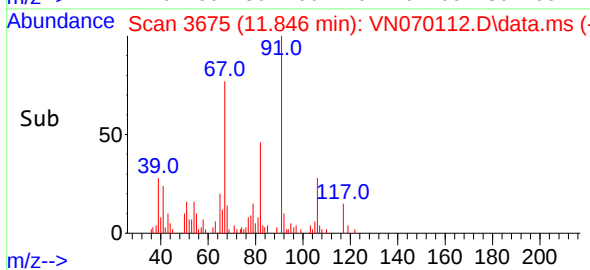
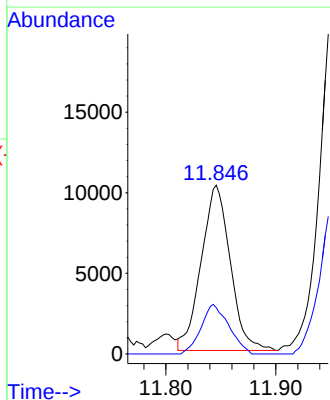
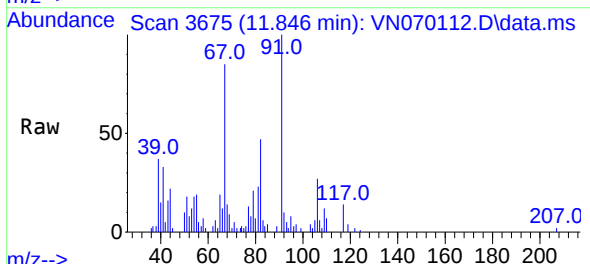
Manual Integrations
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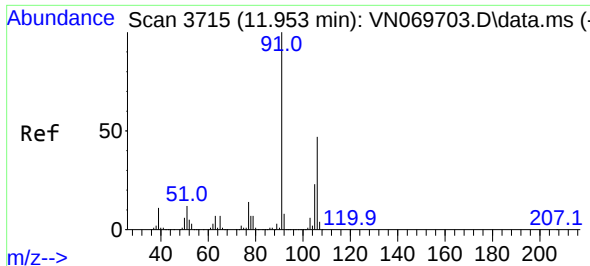
Reviewed By :John Carlone 12/16/2021
Supervised By :mohammad ahmed 12/23/2021



#67
Ethyl Benzene
Concen: 0.21 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.000 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

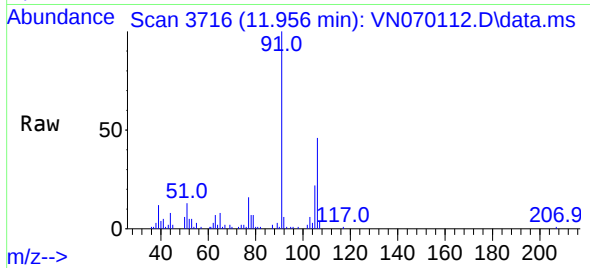
Tgt Ion: 91 Resp: 18834
Ion Ratio Lower Upper
91 100
106 28.0 25.7 38.5





#68
m/p-Xylenes
Concen: 0.66 ug/l
RT: 11.956 min Scan# 3176
Delta R.T. 0.003 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

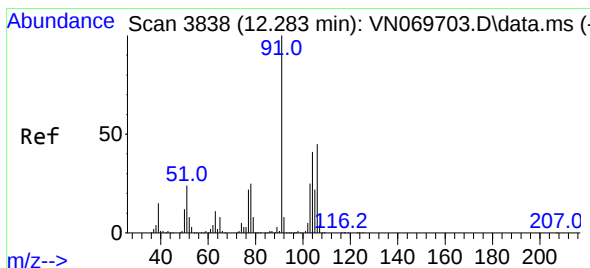
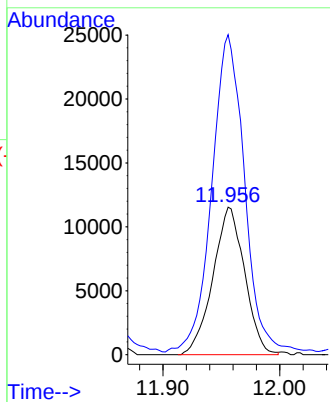
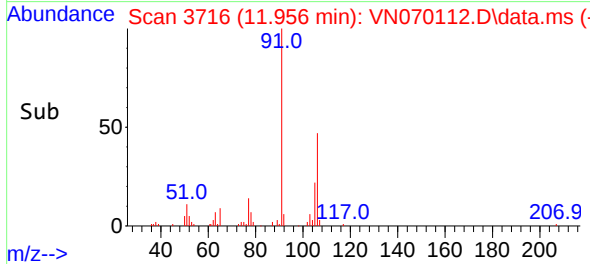
Instrument :
MSVOA_N
ClientSampleId :
MW-32RE



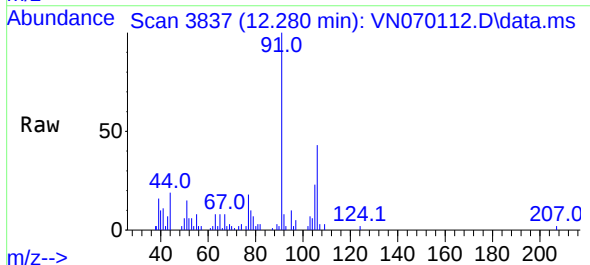
Tgt Ion:106 Resp: 2176
Ion Ratio Lower Upper
106 100
91 220.8 160.6 240.8

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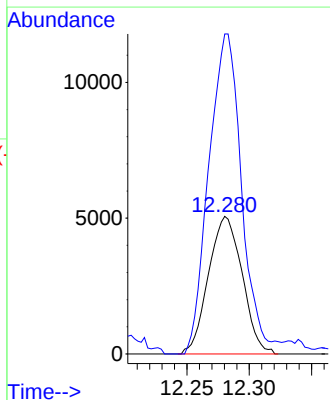
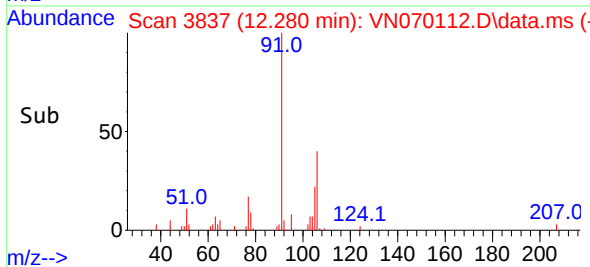
Reviewed By :John Carlone 12/16/2021
Supervised By :mohammad ahmed 12/23/2021

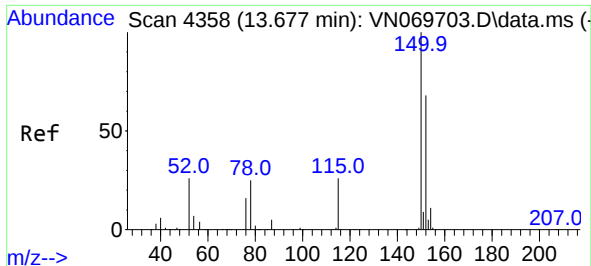


#69
o-Xylene
Concen: 0.29 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27



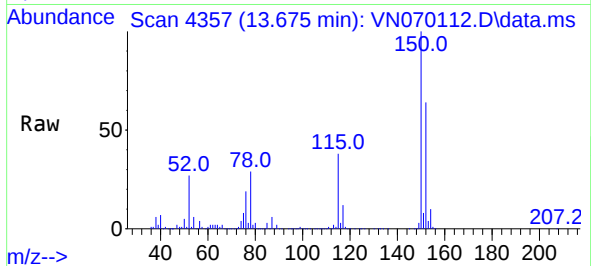
Tgt Ion:106 Resp: 9539
Ion Ratio Lower Upper
106 100
91 224.7 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

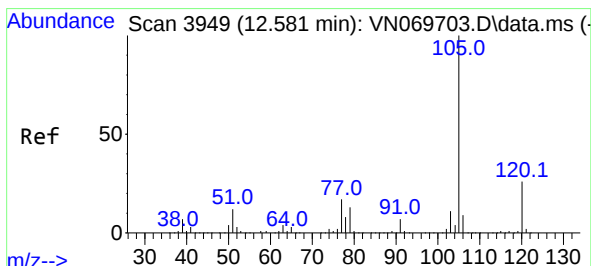
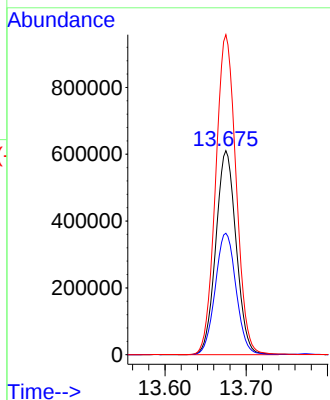
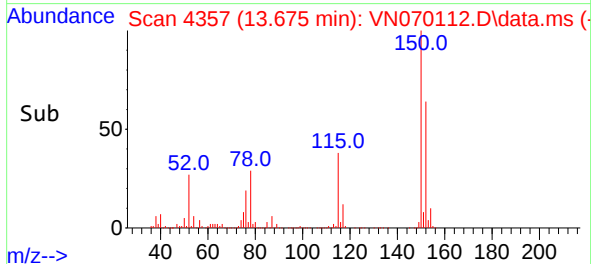
Instrument :
MSVOA_N
ClientSampleId :
MW-32RE



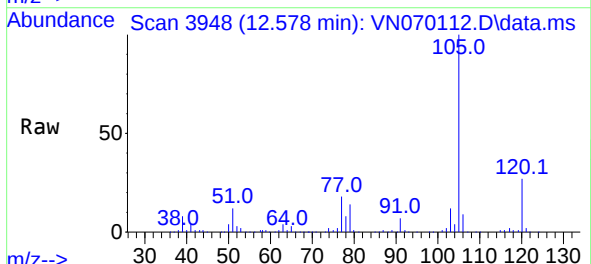
Tgt Ion:152 Resp: 1063950
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 157.6 0.0 344.4

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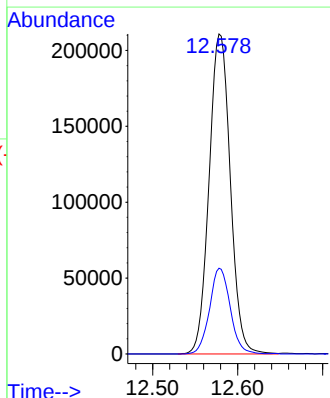
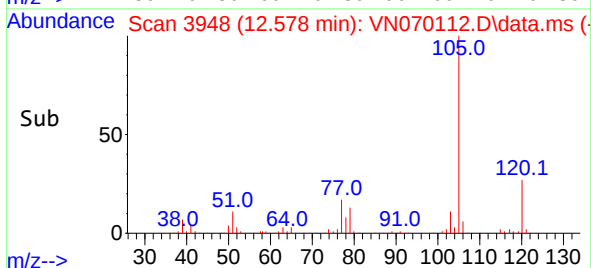
Reviewed By :John Carlone 12/16/2021
Supervised By :mohammad ahmed 12/23/2021

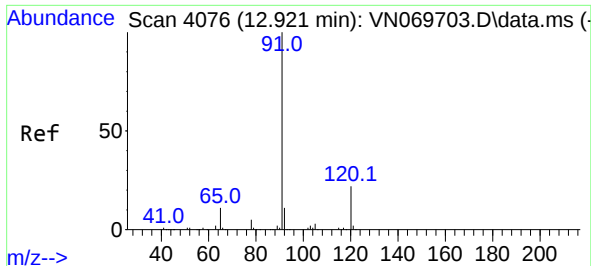


#73
Isopropylbenzene
Concen: 3.86 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27



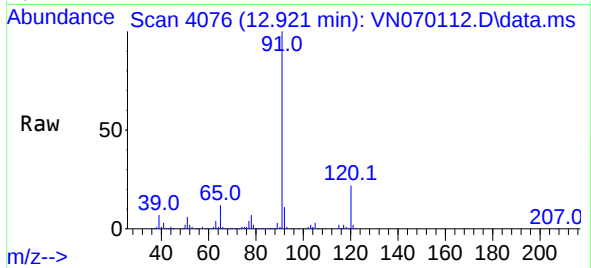
Tgt Ion:105 Resp: 365681
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.1





#78
n-propylbenzene
Concen: 3.12 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

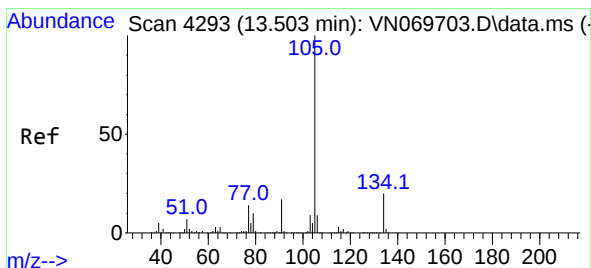
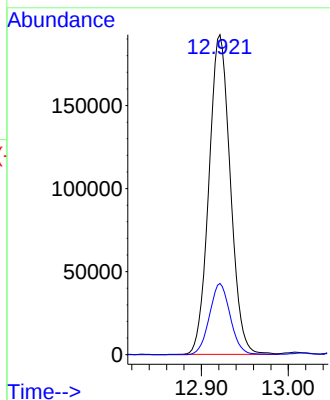
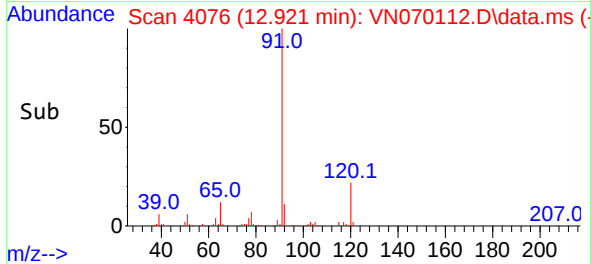
Instrument :
MSVOA_N
ClientSampleId :
MW-32RE



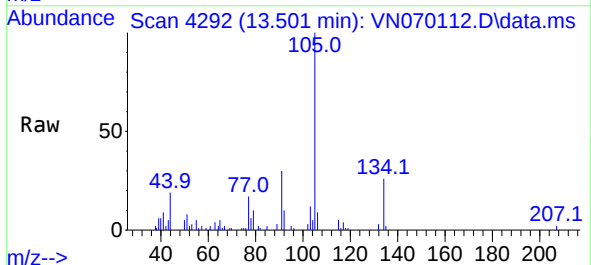
Tgt Ion: 91 Resp: 329168
Ion Ratio Lower Upper
91 100
120 21.7 11.9 35.9

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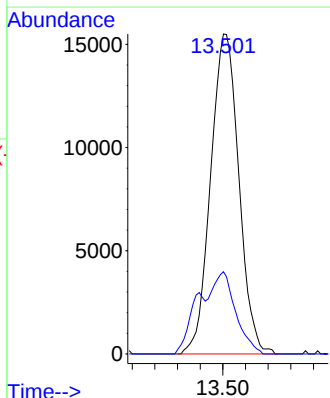
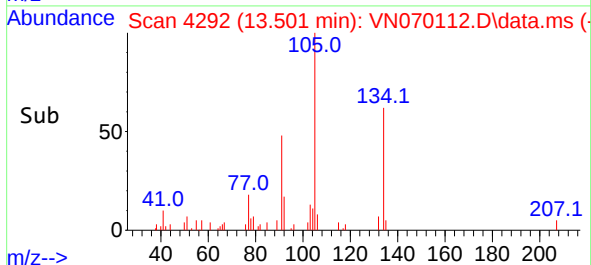
Reviewed By :John Carlone 12/16/2021
Supervised By :mohammad ahmed 12/23/2021

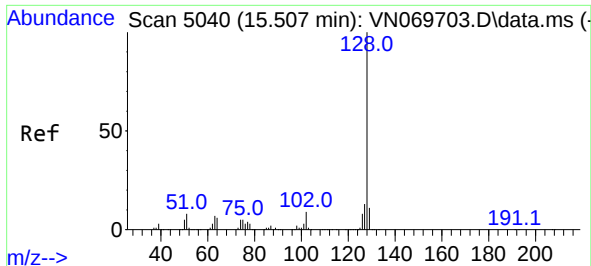


#85
sec-Butylbenzene
Concen: 0.29 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.003 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27



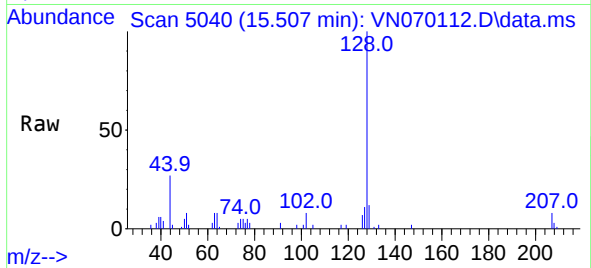
Tgt Ion:105 Resp: 26795
Ion Ratio Lower Upper
105 100
134 21.1 10.4 31.1





#95
Naphthalene
Concen: 4.38 ug/l m
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070112.D
Acq: 15 Dec 2021 15:27

Instrument :
MSVOA_N
ClientSampleId :
MW-32RE



Tgt Ion:128 Resp: 22190
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7
129 0.0 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 12/16/2021
Supervised By :mohammad ahmed 12/23/2021

