

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070085.D
 Acq On : 14 Dec 2021 21:22
 Operator : JC/MD
 Sample : M4970-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-32

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2021
 Supervised By : Mahesh Dadoda 12/23/2021

Quant Time: Dec 15 05:23:47 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	1063550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2030493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2380222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1003101	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	847660	51.62	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.24%			
35) Dibromofluoromethane	8.021	113	578312	45.47	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 90.94%			
50) Toluene-d8	10.443	98	2707277	53.01	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.02%			
62) 4-Bromofluorobenzene	12.731	95	1199710	64.84	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 129.68%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.382	59	372503	120.01	ug/l	100
16) Acetone	4.291	43	34603m	3.50	ug/l	
19) Methyl tert-butyl Ether	5.621	73	239422	6.08	ug/l #	1
22) Diisopropyl ether	6.498	45	346210	7.76	ug/l #	87
31) Cyclohexane	8.094	56	204032m	8.93	ug/l	
39) Methylcyclohexane	9.459	83	81061	3.53	ug/l #	89
40) Benzene	8.461	78	1594018	26.98	ug/l	100
52) Toluene	10.507	92	17720	0.49	ug/l	95
67) Ethyl Benzene	11.843	91	18778	0.21	ug/l	97
68) m/p-Xylenes	11.956	106	22868	0.72	ug/l	87
69) o-Xylene	12.280	106	9775	0.30	ug/l	86
73) Isopropylbenzene	12.578	105	345881	3.88	ug/l	98
78) n-propylbenzene	12.921	91	311943	3.14	ug/l	96
85) sec-Butylbenzene	13.503	105	28209	0.33	ug/l #	75
95) Naphthalene	15.504	128	56809	5.05	ug/l	96

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

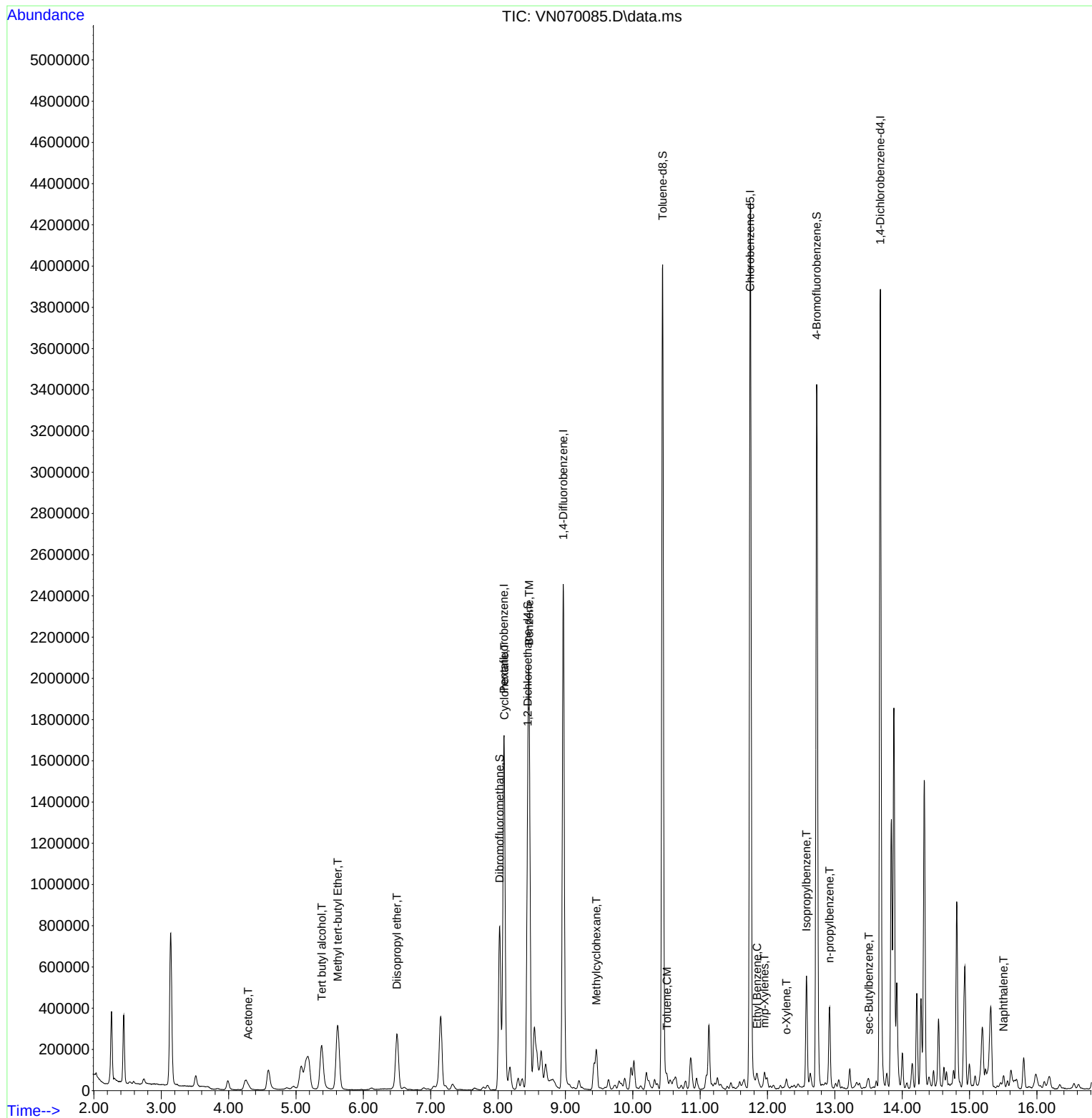
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
Data File : VN070085.D
Acq On : 14 Dec 2021 21:22
Operator : JC/MD
Sample : M4970-10
Misc : 5.00mL/MSVOA_N/WATER
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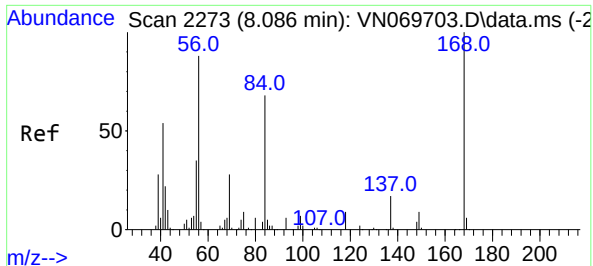
Instrument :
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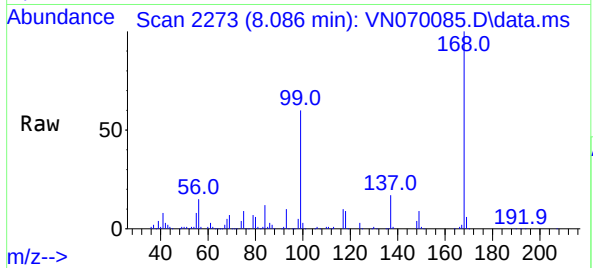
Quant Time: Dec 15 05:23:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

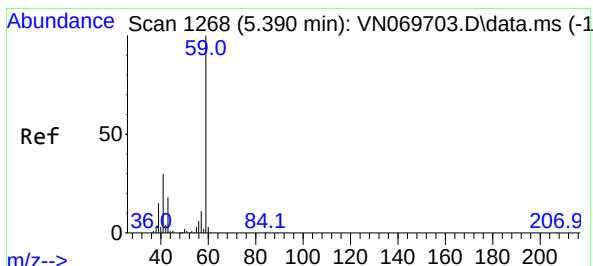
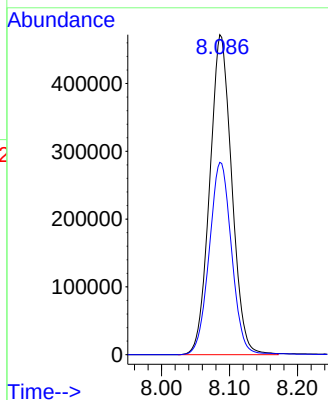
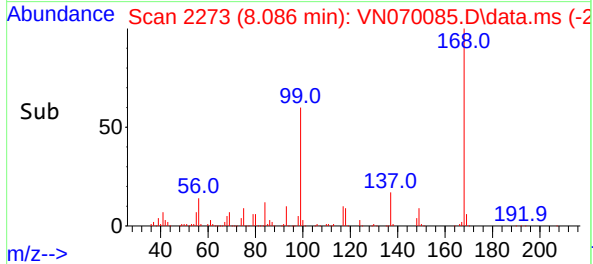
Instrument :
MSVOA_N
ClientSampleId :
MW-32



Tgt Ion:168 Resp: 1063550
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9

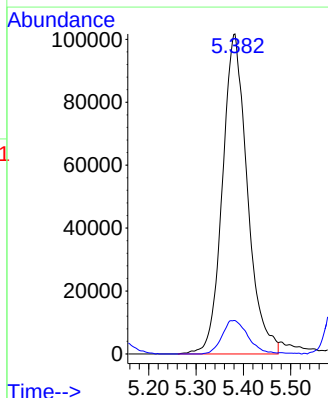
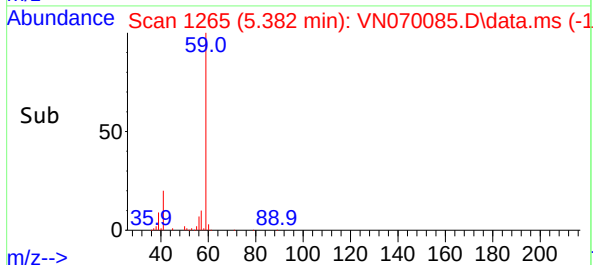
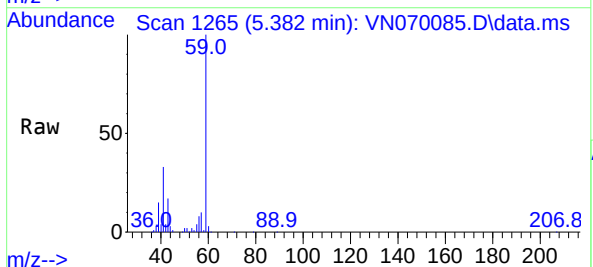
Manual Integrations
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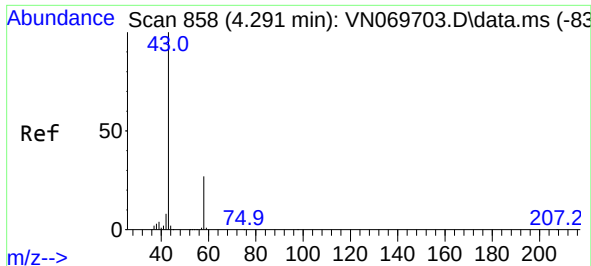
Reviewed By :John Carlone 12/21/2021
Supervised By :Mahesh Dadoda 12/23/2021



#11
Tert butyl alcohol
Concen: 120.01 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. -0.008 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

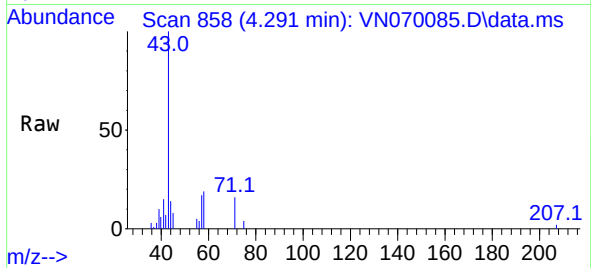
Tgt Ion: 59 Resp: 372503
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1





#16
Acetone
Concen: 3.50 ug/l m
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

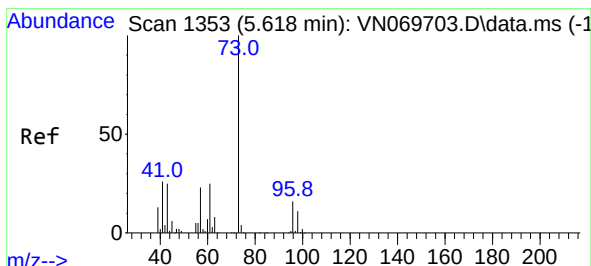
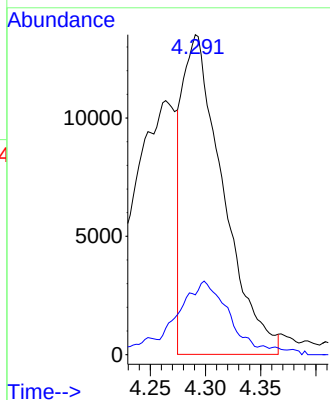
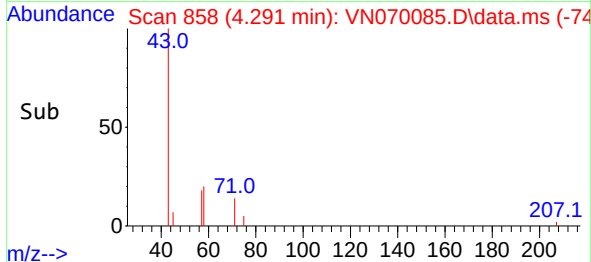
Instrument :
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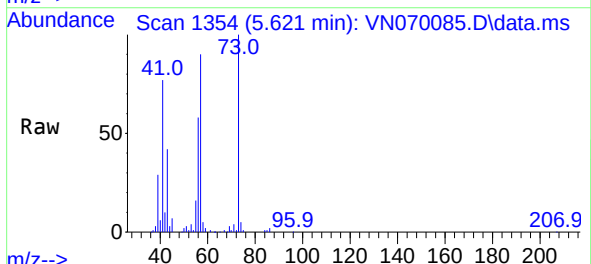
Tgt Ion: 43 Resp: 3460
Ion Ratio Lower Upper
43 100
58 18.7 23.1 34.7

Manual Integrations
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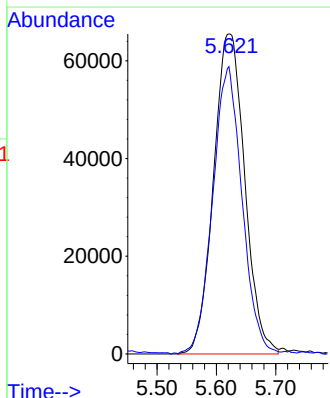
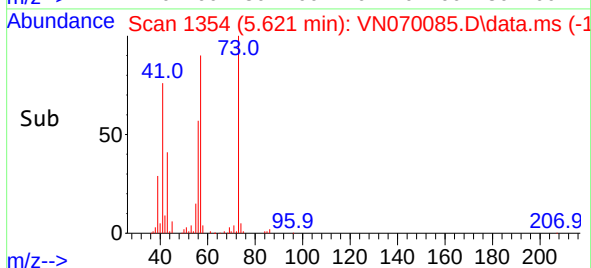
Reviewed By :John Carlone 12/21/2021
Supervised By :Mahesh Dadoda 12/23/2021

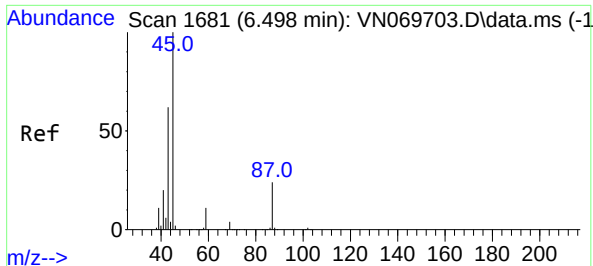


#19
Methyl tert-butyl Ether
Concen: 6.08 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22



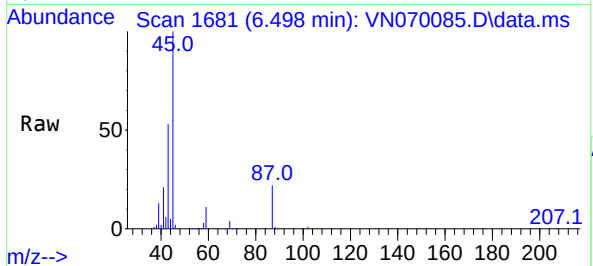
Tgt Ion: 73 Resp: 239422
Ion Ratio Lower Upper
73 100
57 89.8 16.8 25.2





#22
Diisopropyl ether
Concen: 7.76 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

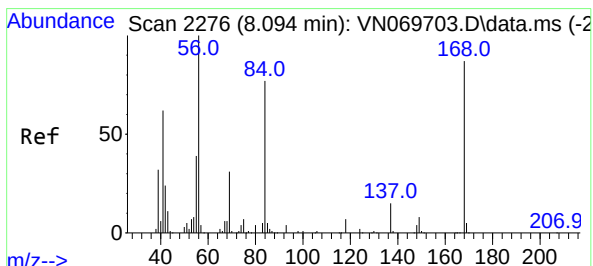
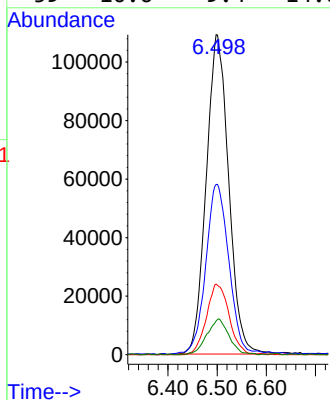
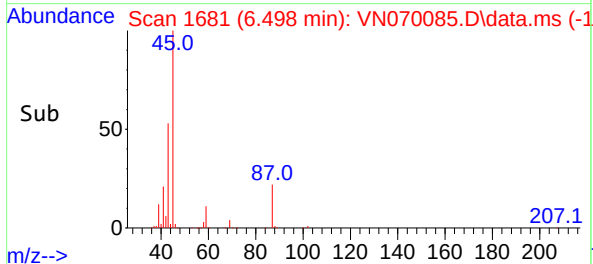
Instrument :
MSVOA_N
ClientSampleId :
MW-32



Tgt Ion: 45 Resp: 346210
Ion Ratio Lower Upper
45 100
43 52.8 51.7 77.5
87 22.1 23.2 34.8
59 10.6 9.4 14.0

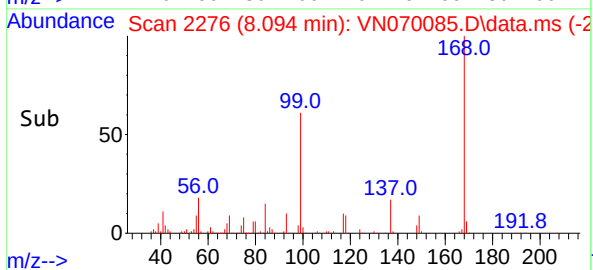
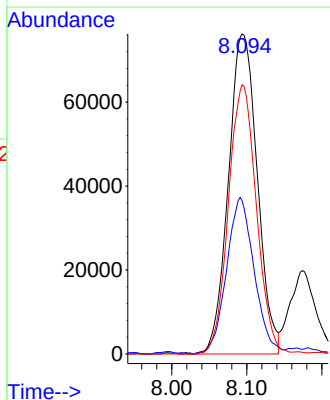
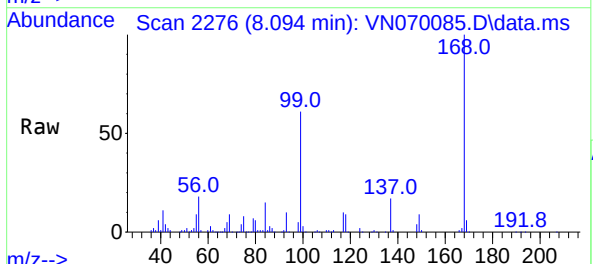
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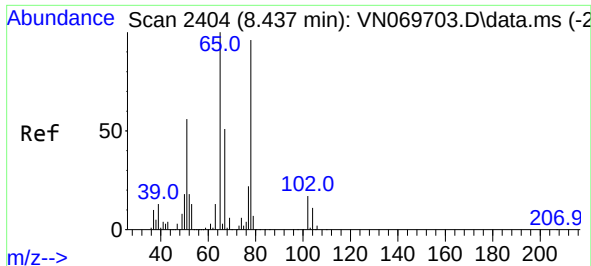
Reviewed By :John Carlone 12/21/2021
Supervised By :Mahesh Dadoda 12/23/2021



#31
Cyclohexane
Concen: 8.93 ug/l m
RT: 8.094 min Scan# 2276
Delta R.T. 0.000 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

Tgt Ion: 56 Resp: 204032
Ion Ratio Lower Upper
56 100
69 47.9 27.1 40.7#
84 84.2 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 51.62 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070085.D

Acq: 14 Dec 2021 21:22

Instrument :

MSVOA_N

ClientSampleId :

MW-32

Tgt Ion: 65 Resp: 847660

Ion Ratio Lower Upper

65 100

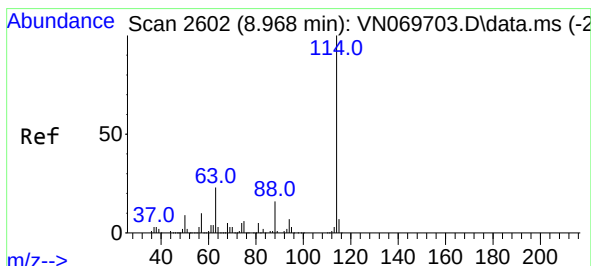
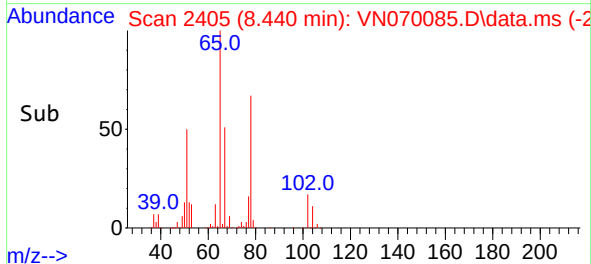
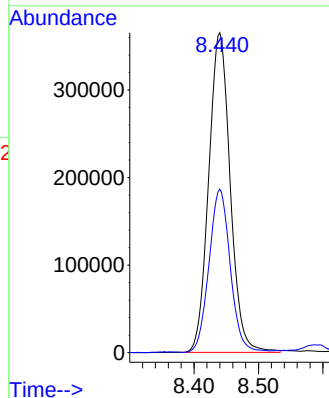
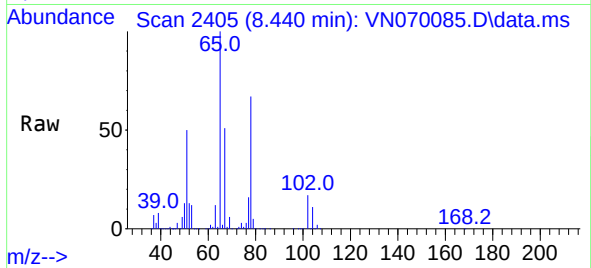
67 50.5 0.0 103.0

Manual Integrations

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Supervised By :Mahesh Dadoda 12/23/2021



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070085.D

Acq: 14 Dec 2021 21:22

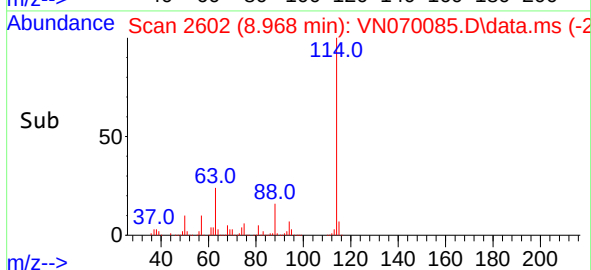
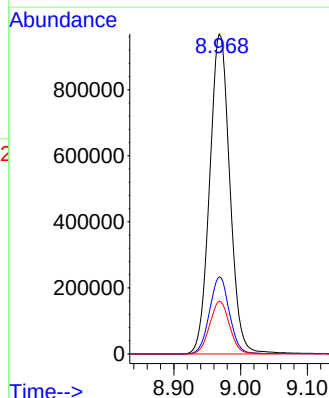
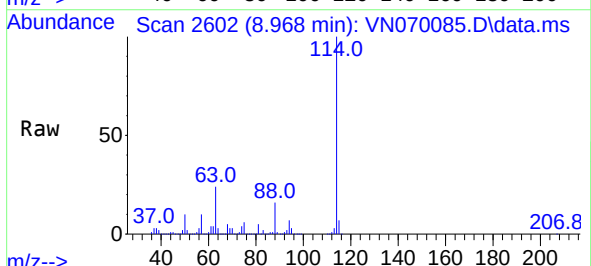
Tgt Ion:114 Resp: 2030493

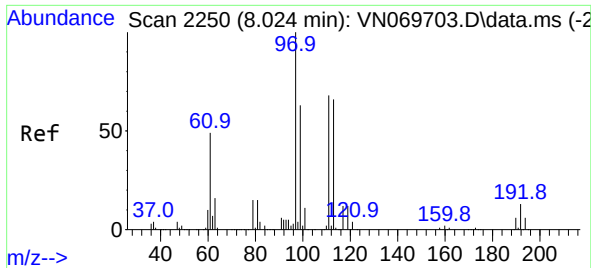
Ion Ratio Lower Upper

114 100

63 24.1 0.0 37.8

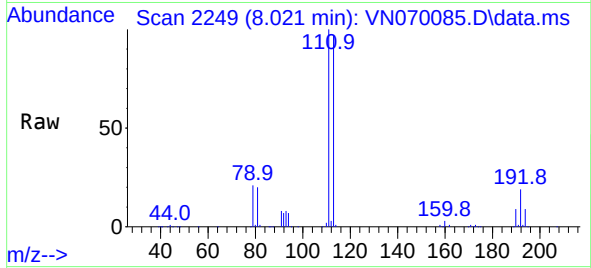
88 16.5 0.0 27.4





#35
Dibromofluoromethane
Concen: 45.47 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

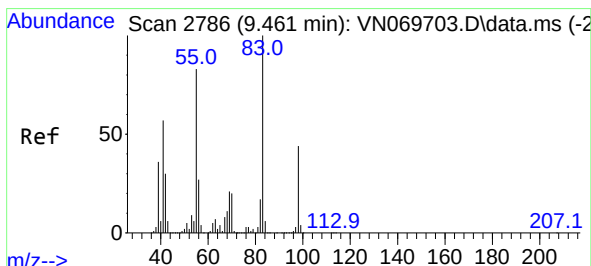
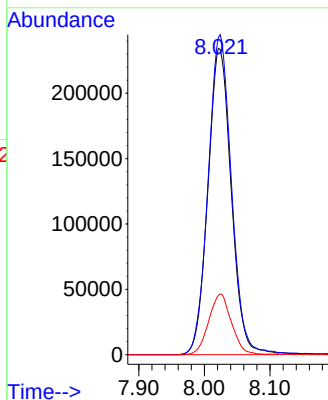
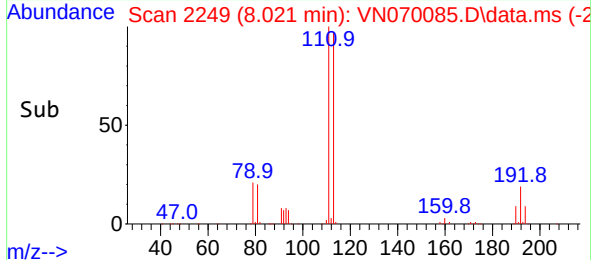
Instrument :
MSVOA_N
ClientSampleId :
MW-32



Tgt Ion: 113 Resp: 57831
Ion Ratio Lower Upper
113 100
111 105.0 82.2 123.2
192 19.3 16.9 25.3

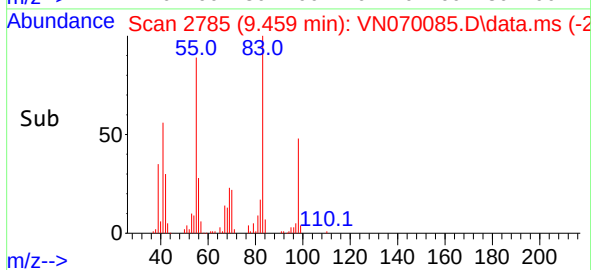
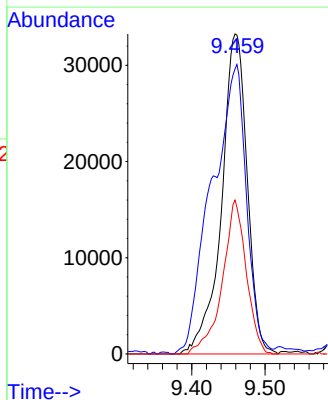
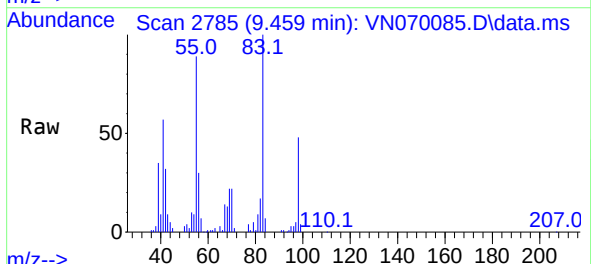
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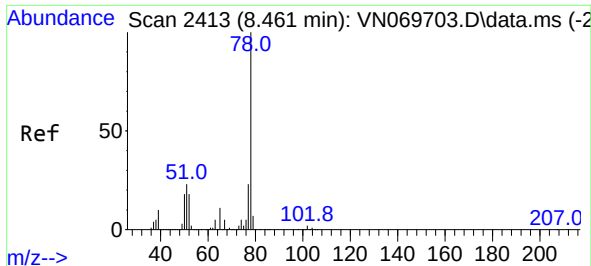
Reviewed By :John Carlone 12/21/2021
Supervised By :Mahesh Dadoda 12/23/2021



#39
Methylcyclohexane
Concen: 3.53 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

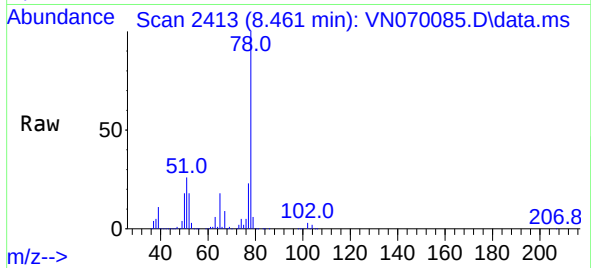
Tgt Ion: 83 Resp: 81061
Ion Ratio Lower Upper
83 100
55 88.0 58.1 87.1#
98 48.1 38.4 57.6





#40
Benzene
Concen: 26.98 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

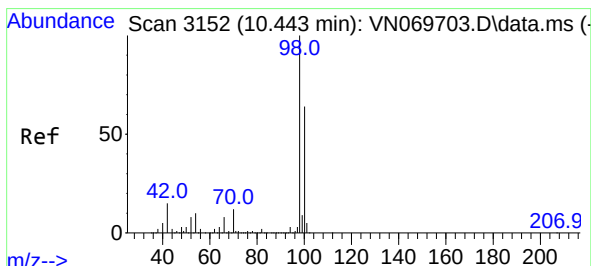
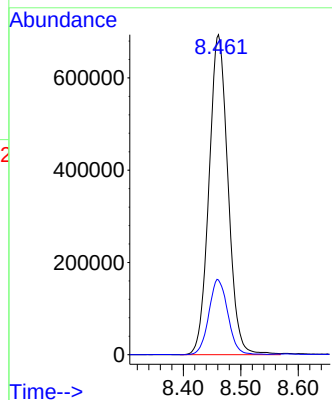
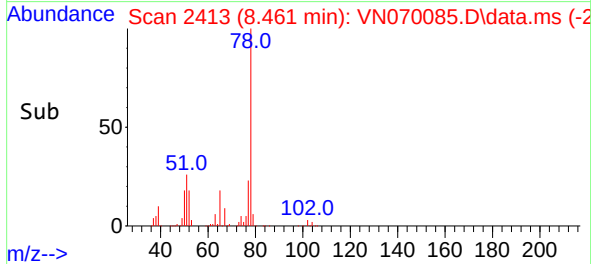
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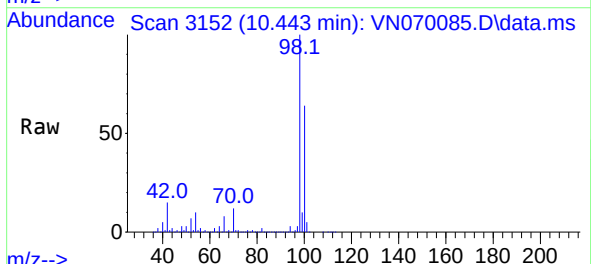
Tgt Ion: 78 Resp: 1594018
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8

Manual Integrations
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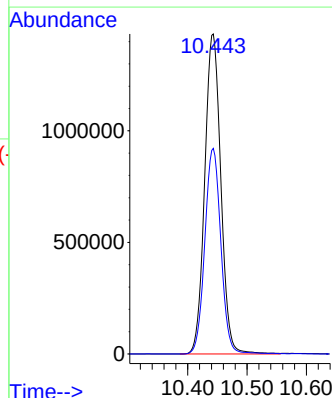
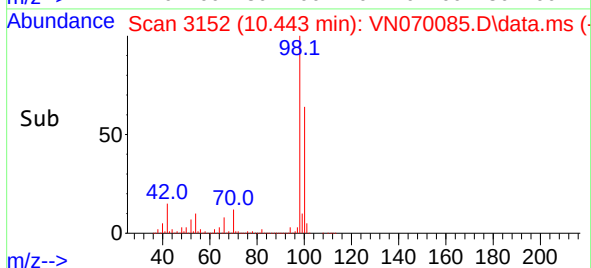
Reviewed By :John Carlone 12/21/2021
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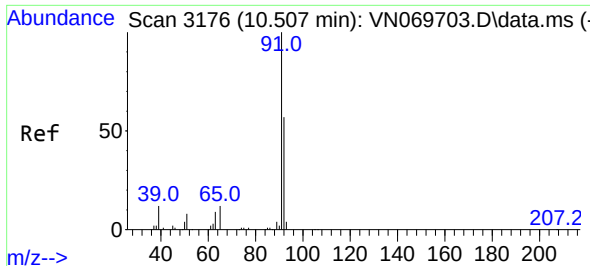


#50
Toluene-d8
Concen: 53.01 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22



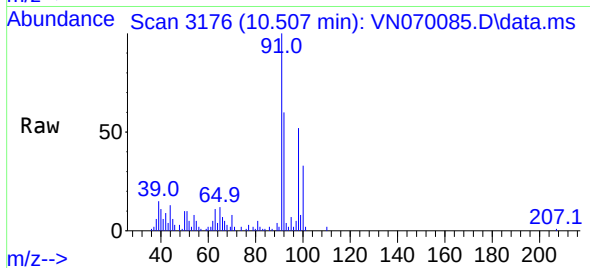
Tgt Ion: 98 Resp: 2707277
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6





#52
Toluene
Concen: 0.49 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

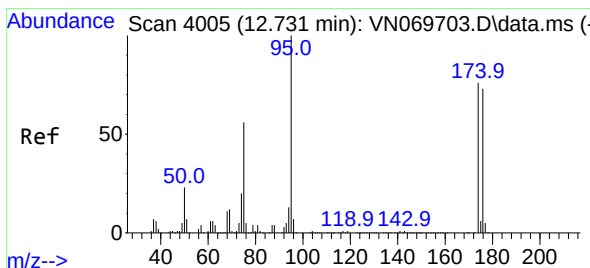
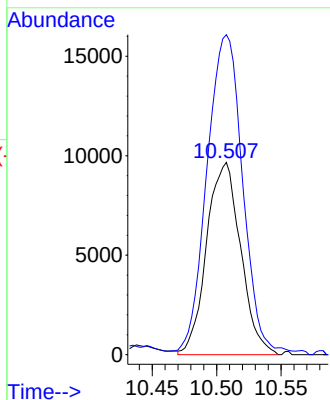
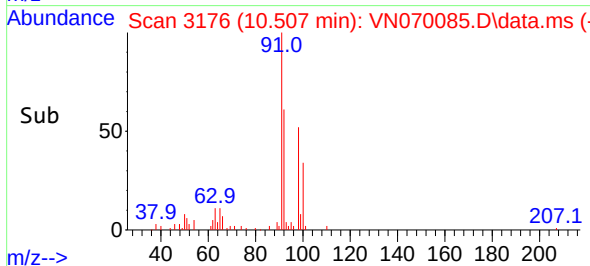
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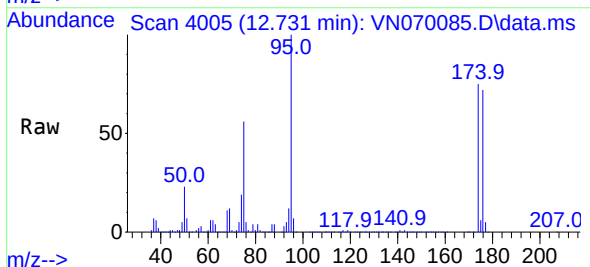
Tgt Ion: 92 Resp: 17720
Ion Ratio Lower Upper
92 100
91 170.2 142.0 213.0

Manual Integrations
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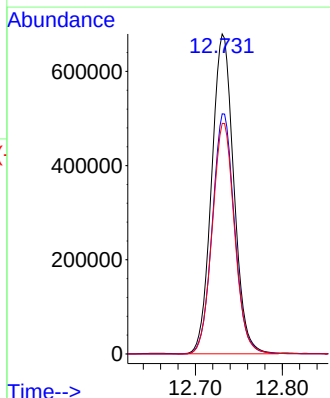
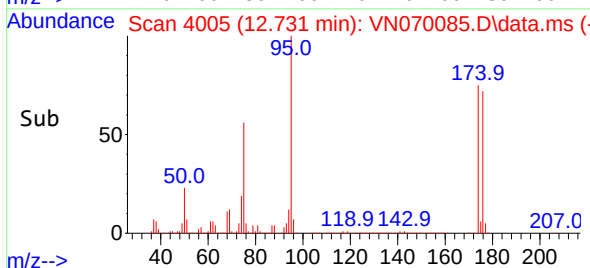
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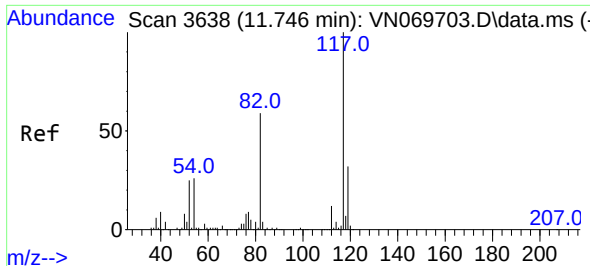


#62
4-Bromofluorobenzene
Concen: 64.84 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22



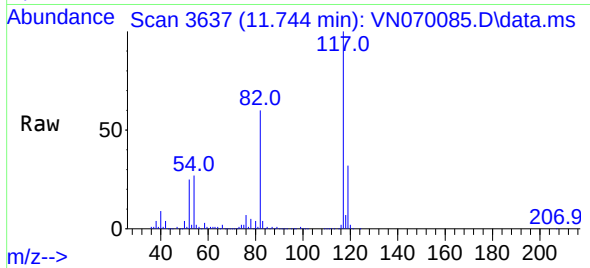
Tgt Ion: 95 Resp: 1199710
Ion Ratio Lower Upper
95 100
174 75.4 0.0 187.2
176 72.7 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

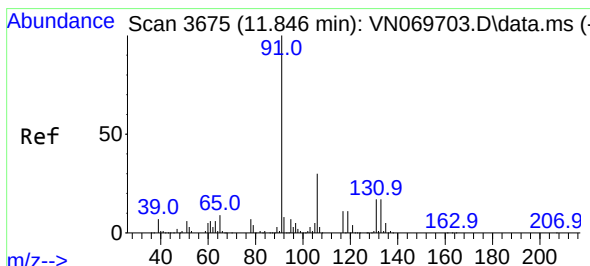
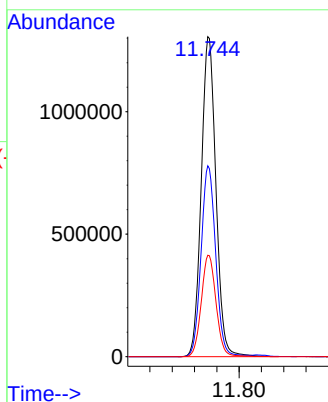
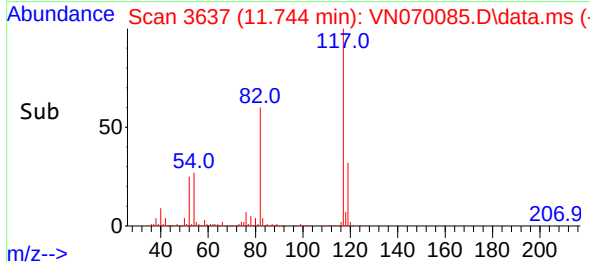
Instrument :
MSVOA_N
ClientSampleId :
MW-32



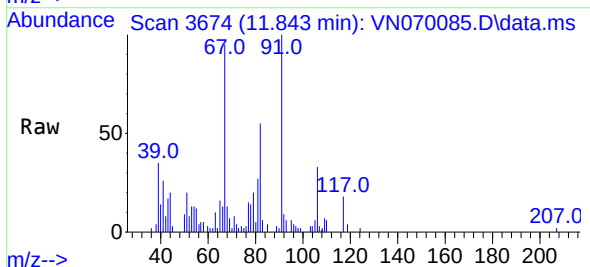
Tgt Ion: 117 Resp: 238022
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.7 25.4 38.2

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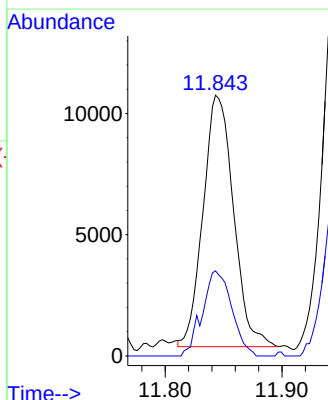
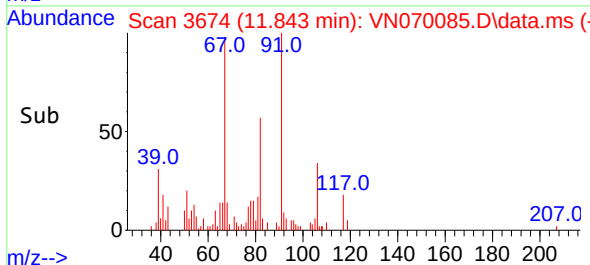
Reviewed By :John Carlone 12/21/2021
Supervised By :Mahesh Dadoda 12/23/2021

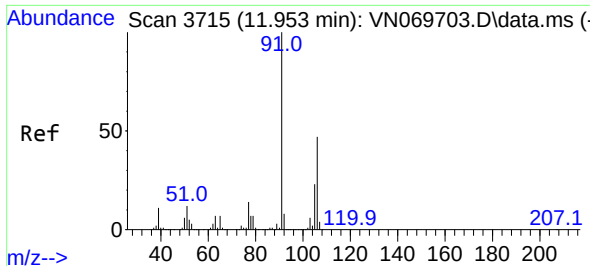


#67
Ethyl Benzene
Concen: 0.21 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22



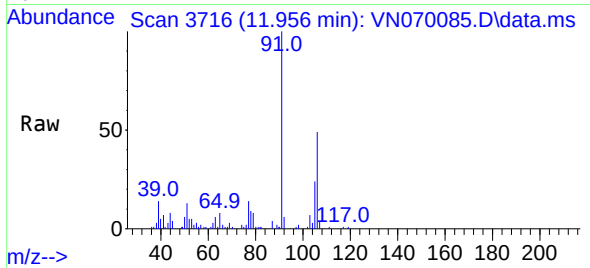
Tgt Ion: 91 Resp: 18778
Ion Ratio Lower Upper
91 100
106 33.8 25.7 38.5





#68
m/p-Xylenes
Concen: 0.72 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.003 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

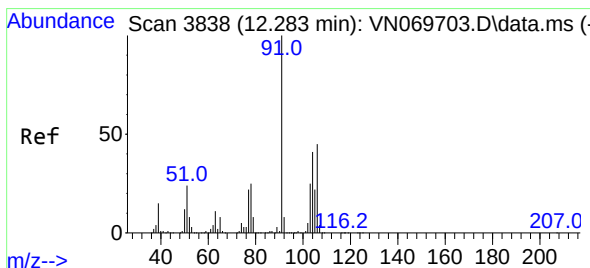
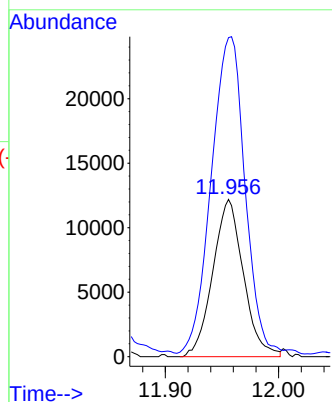
Instrument :
MSVOA_N
ClientSampleId :
MW-32



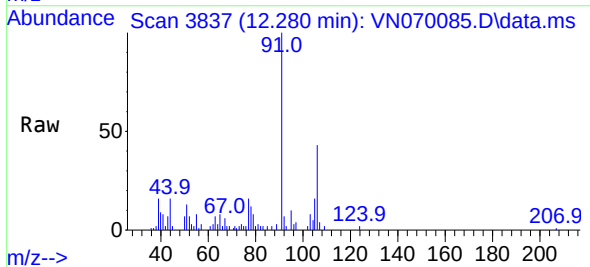
Tgt Ion:106 Resp: 2286
Ion Ratio Lower Upper
106 100
91 220.4 160.6 240.8

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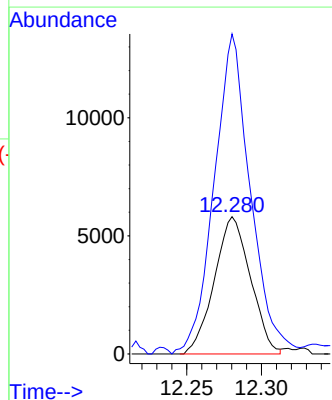
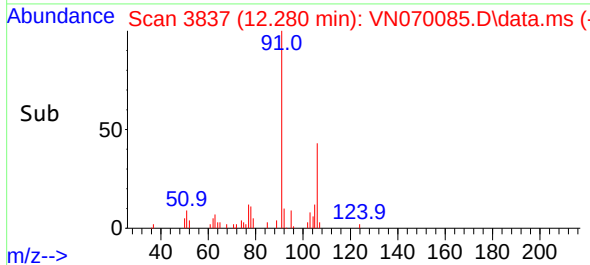
Reviewed By :John Carlone 12/21/2021
Supervised By :Mahesh Dadoda 12/23/2021

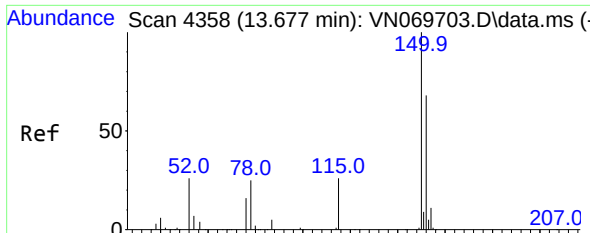


#69
o-Xylene
Concen: 0.30 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22



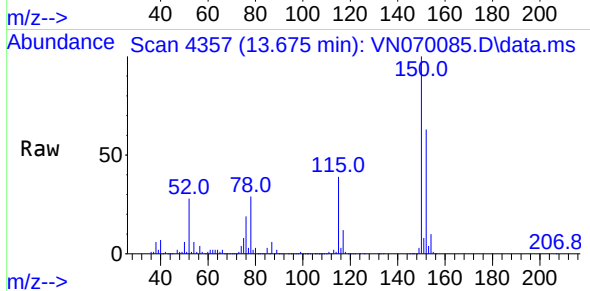
Tgt Ion:106 Resp: 9775
Ion Ratio Lower Upper
106 100
91 233.6 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

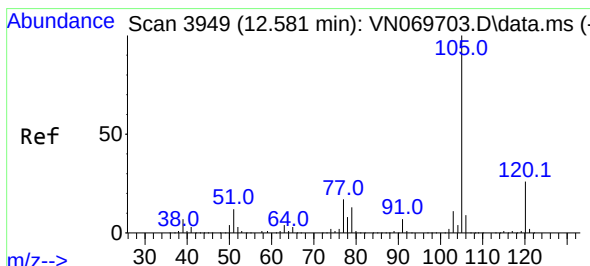
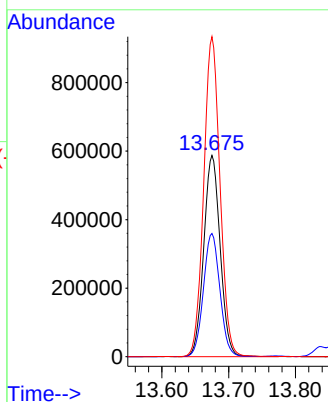
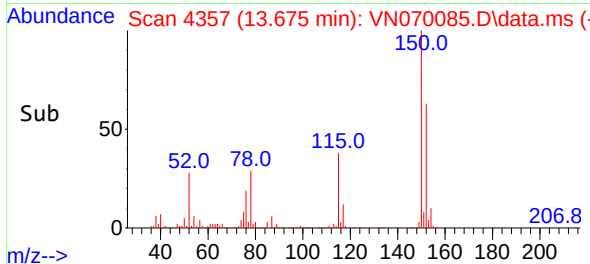
Instrument :
MSVOA_N
ClientSampleId :
MW-32



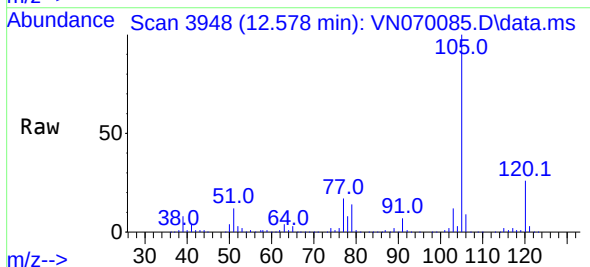
Tgt Ion:152 Resp: 100310
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 157.8 0.0 344.4

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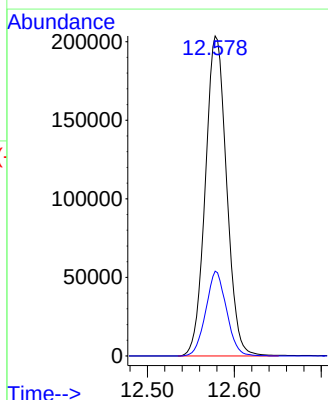
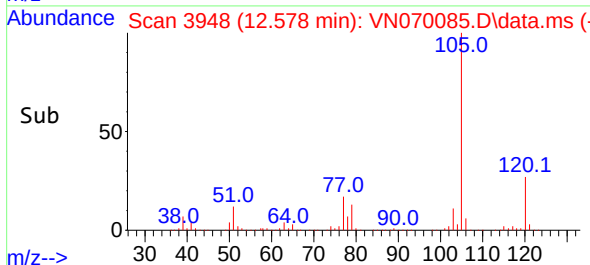
Reviewed By :John Carlone 12/21/2021
Supervised By :Mahesh Dadoda 12/23/2021

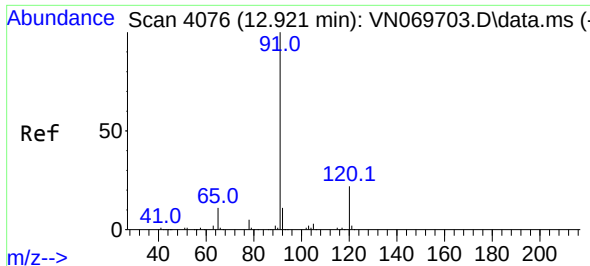


#73
Isopropylbenzene
Concen: 3.88 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22



Tgt Ion:105 Resp: 345881
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1





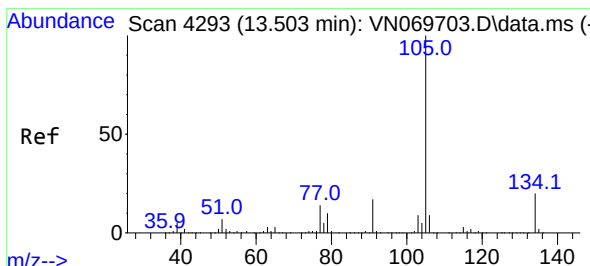
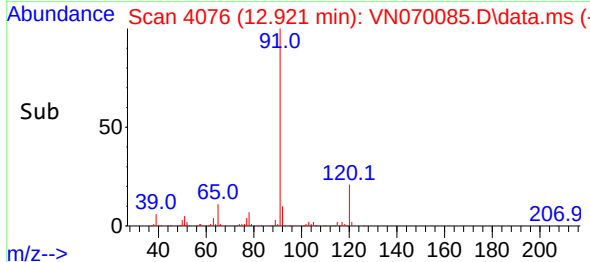
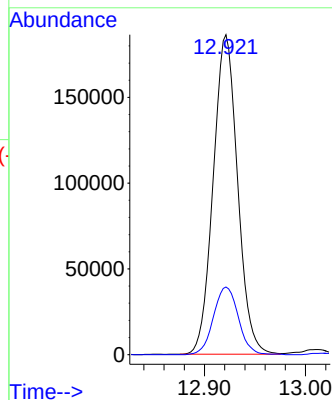
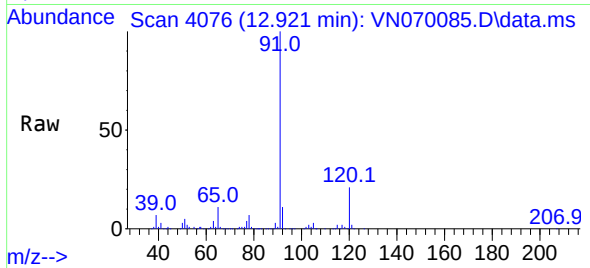
#78
n-propylbenzene
Concen: 3.14 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

Instrument :
MSVOA_N
Client Sample Id :
MW-32

Tgt Ion: 91 Resp: 31194
Ion Ratio Lower Upper
91 100
120 21.7 11.9 35.9

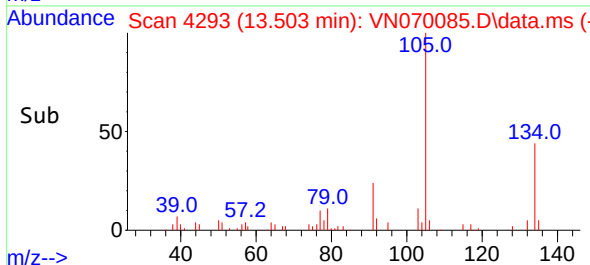
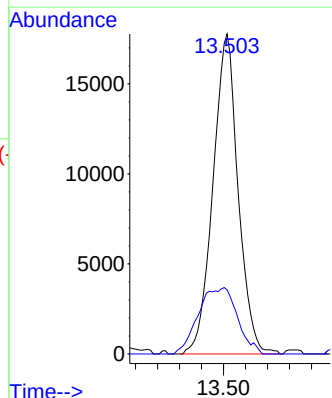
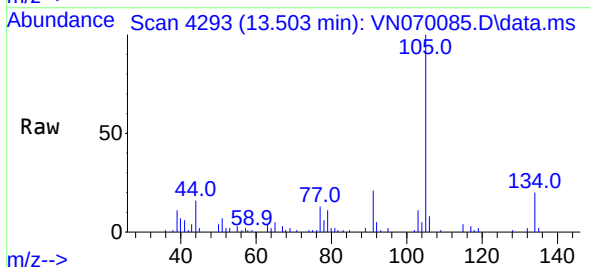
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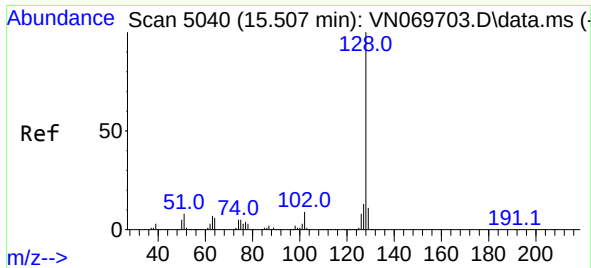
Reviewed By :John Carlone 12/21/2021
Supervised By :Mahesh Dadoda 12/23/2021



#85
sec-Butylbenzene
Concen: 0.33 ug/l
RT: 13.503 min Scan# 4293
Delta R.T. 0.000 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

Tgt Ion:105 Resp: 28209
Ion Ratio Lower Upper
105 100
134 32.1 10.4 31.1#





#95
Naphthalene
Concen: 5.05 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN070085.D
Acq: 14 Dec 2021 21:22

Instrument :
MSVOA_N
ClientSampleId :
MW-32

Tgt Ion:128 Resp: 56809
Ion Ratio Lower Upper
128 100
127 12.0 10.5 15.7
129 9.2 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 12/21/2021
Supervised By :Mahesh Dadoda 12/23/2021

