

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071778.D
 Acq On : 02 Apr 2022 02:10
 Operator : JC\MD
 Sample : N2222-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/02/2022
 Supervised By : Mahesh Dadoda 04/02/2022

Quant Time: Apr 02 05:33:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	627785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1066852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1091238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	431733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	348422	48.615	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.240%		
35) Dibromofluoromethane	8.022	113	301519	48.029	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.060%		
50) Toluene-d8	10.439	98	1349377	52.544	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.080%		
62) 4-Bromofluorobenzene	12.727	95	470407	56.637	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	113.280%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.357	59	40943	35.203	ug/l	98
16) Acetone	4.287	43	16702	5.453	ug/l	98
19) Methyl tert-butyl Ether	5.616	73	54722	2.843	ug/l #	1
22) Diisopropyl ether	6.492	45	7799	0.426	ug/l #	95
25) 2-Butanone	7.328	43	4102	0.929	ug/l #	75
31) Cyclohexane	8.092	56	96184	9.869	ug/l #	91
39) Methylcyclohexane	9.457	83	86388	8.278	ug/l	97
40) Benzene	8.457	78	461213	16.654	ug/l	100
52) Toluene	10.498	92	34234	1.956	ug/l	96
67) Ethyl Benzene	11.839	91	817644	22.104	ug/l	99
68) m/p-Xylenes	11.957	106	62087	4.369	ug/l	99
69) o-Xylene	12.274	106	39093	2.771	ug/l	100
73) Isopropylbenzene	12.574	105	414793	11.401	ug/l	100
78) n-propylbenzene	12.916	91	877389	22.927	ug/l	100
80) 1,3,5-Trimethylbenzene	13.057	105	32932m	1.142	ug/l	
84) 1,2,4-Trimethylbenzene	13.363	105	1973655	70.175	ug/l	100
85) sec-Butylbenzene	13.498	105	72757	2.130	ug/l #	72
86) p-Isopropyltoluene	13.615	119	9815	0.360	ug/l #	76
89) n-Butylbenzene	13.939	91	47303	2.342	ug/l #	71
95) Naphthalene	15.504	128	326685	19.156	ug/l	99

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

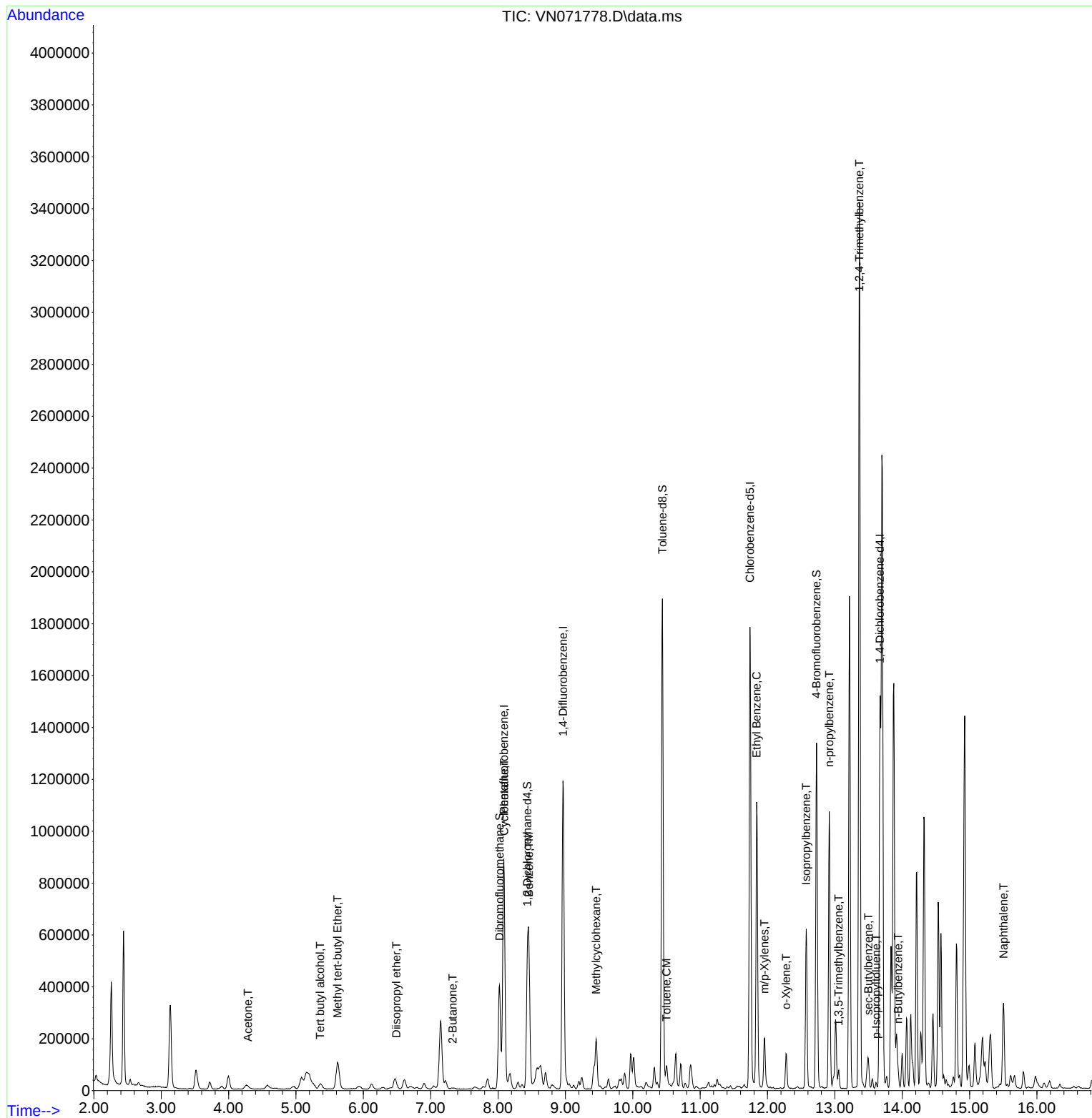
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
Data File : VN071778.D
Acq On : 02 Apr 2022 02:10
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Sample : N2222-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

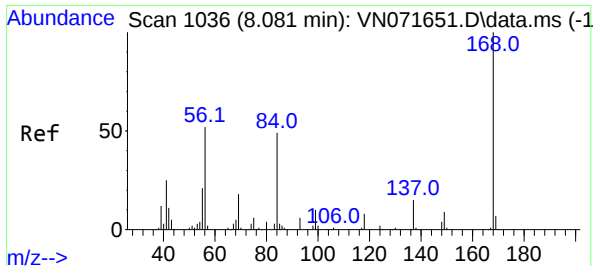
Instrument :
MSVOA_N
ClientSampleId :
MW-16

Quant Time: Apr 02 05:33:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

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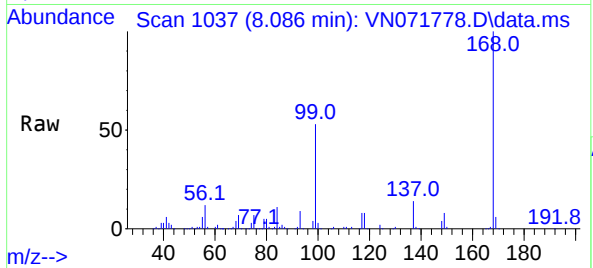
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1036
Delta R.T. 0.005 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

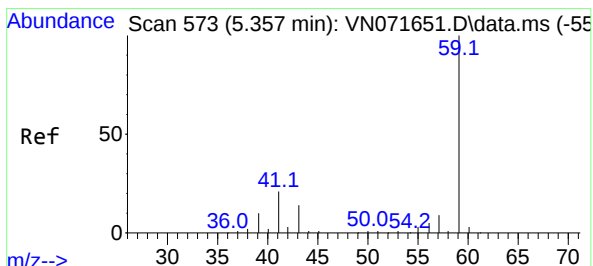
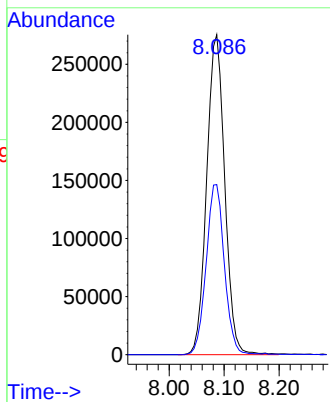
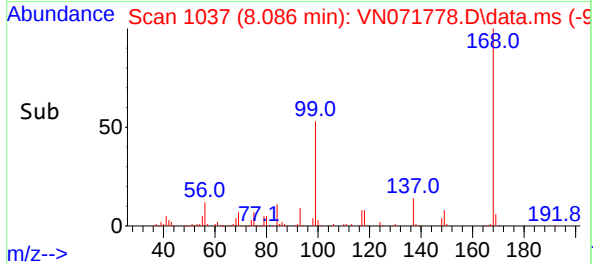
Instrument :
MSVOA_N
Client Sample Id :
MW-16



Tgt Ion:168 Resp: 62778
Ion Ratio Lower Upper
168 100
99 53.1 42.3 63.5

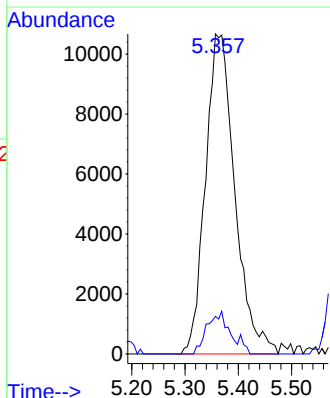
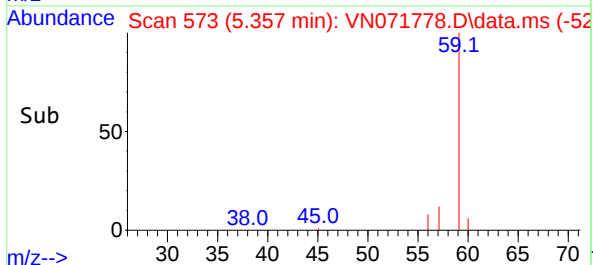
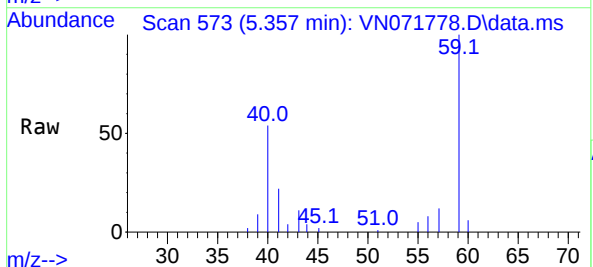
Manual Integrations
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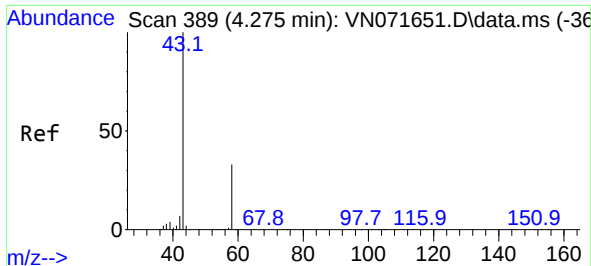
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022



#11
Tert butyl alcohol
Concen: 35.203 ug/l
RT: 5.357 min Scan# 573
Delta R.T. 0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

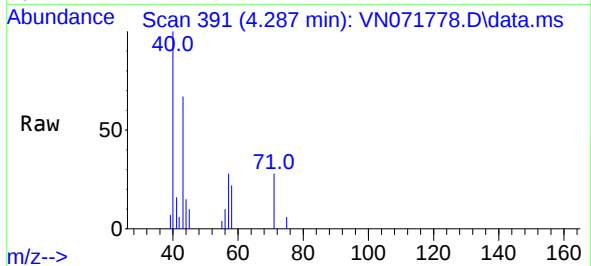
Tgt Ion: 59 Resp: 40943
Ion Ratio Lower Upper
59 100
57 9.6 8.3 12.5





#16
Acetone
Concen: 5.453 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

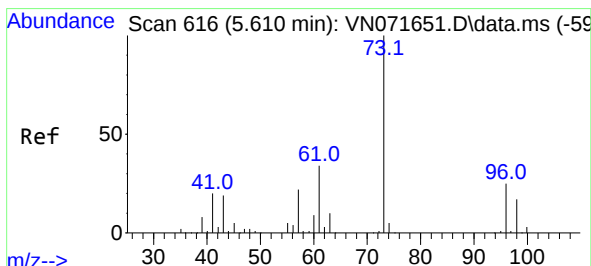
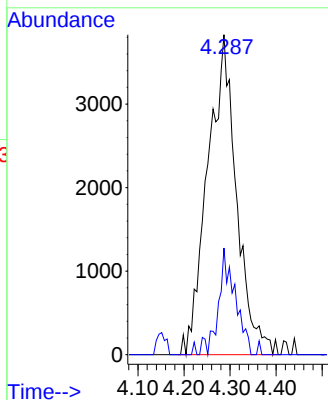
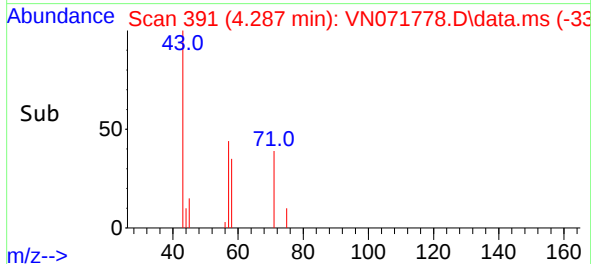
Instrument :
MSVOA_N
ClientSampleId :
MW-16



Tgt Ion: 43 Resp: 16702
Ion Ratio Lower Upper
43 100
58 33.4 26.0 39.0

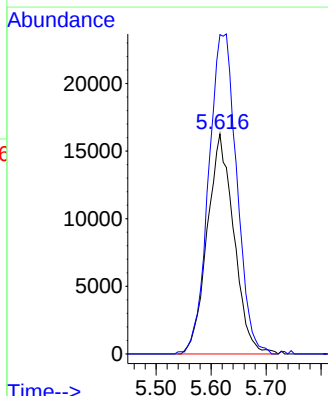
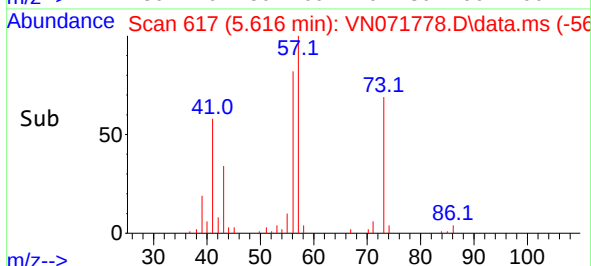
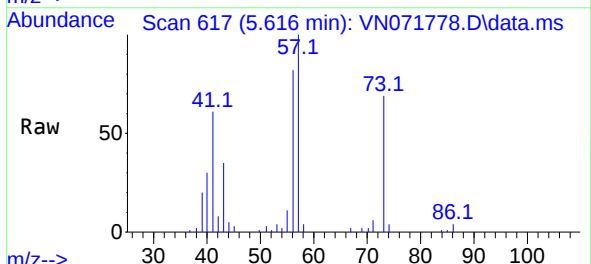
Manual Integrations
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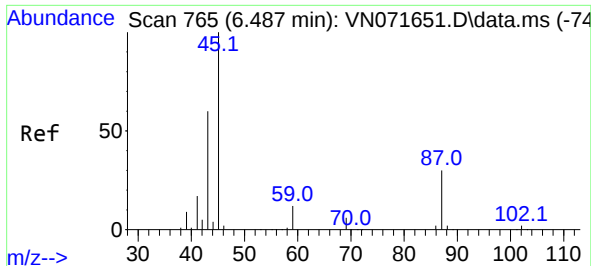
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022



#19
Methyl tert-butyl Ether
Concen: 2.843 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.006 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

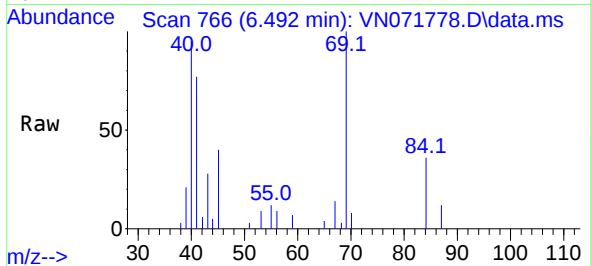
Tgt Ion: 73 Resp: 54722
Ion Ratio Lower Upper
73 100
57 145.1 17.6 26.4#





#22
Diisopropyl ether
Concen: 0.426 ug/l
RT: 6.492 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

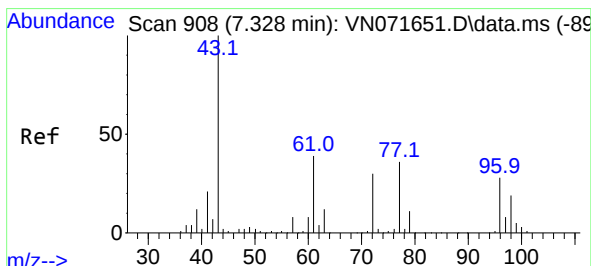
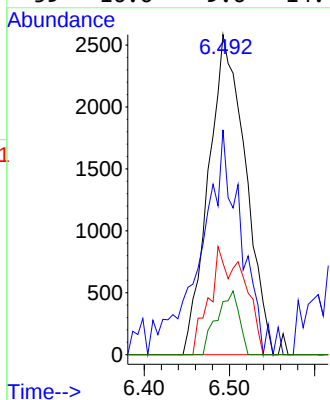
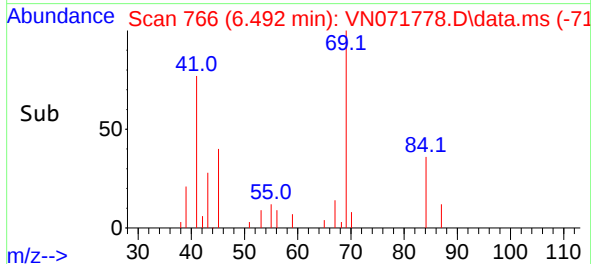
Instrument :
MSVOA_N
ClientSampleId :
MW-16



Tgt Ion: 45 Resp: 779
Ion Ratio Lower Upper
45 100
43 61.7 46.6 70.0
87 28.6 24.3 36.5
59 16.6 9.6 14.4#

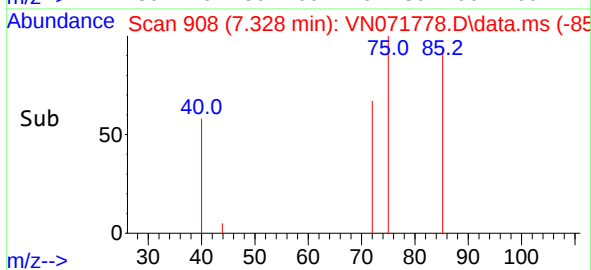
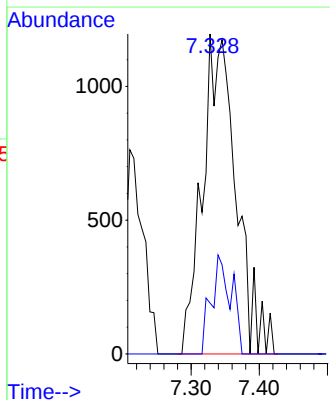
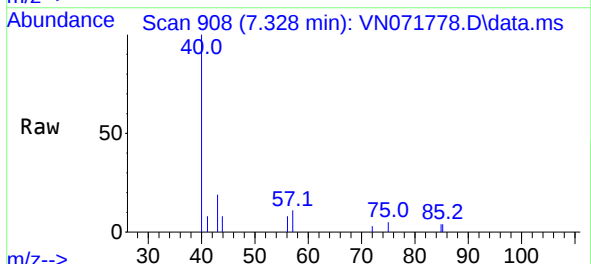
Manual Integrations
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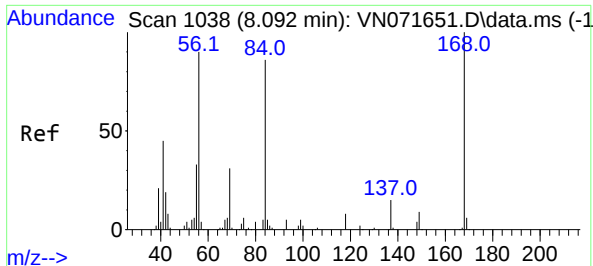
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022



#25
2-Butanone
Concen: 0.929 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

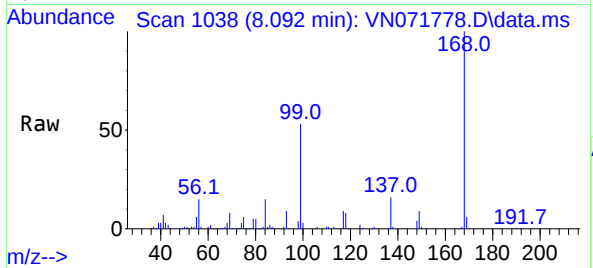
Tgt Ion: 43 Resp: 4102
Ion Ratio Lower Upper
43 100
72 15.9 23.7 35.5#





#31
Cyclohexane
Concen: 9.869 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

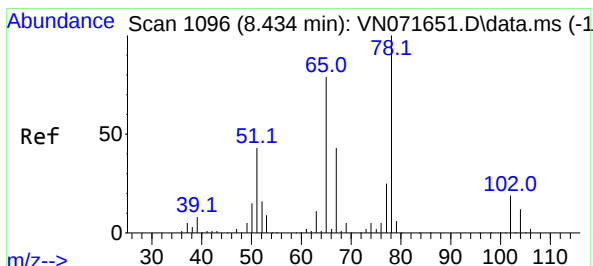
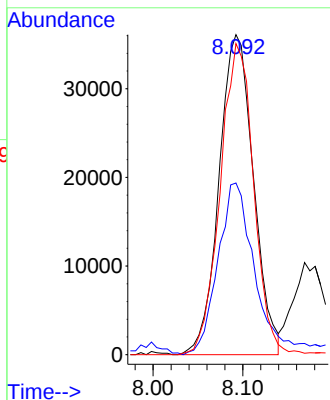
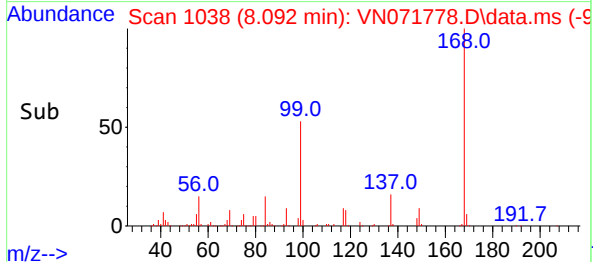
Instrument :
MSVOA_N
ClientSampleId :
MW-16



Tgt Ion: 56 Resp: 96184
Ion Ratio Lower Upper
56 100
69 53.1 27.8 41.8
84 97.2 76.9 115.3

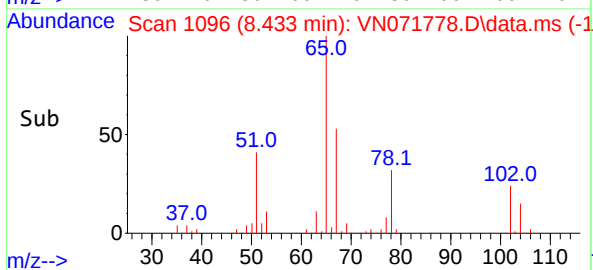
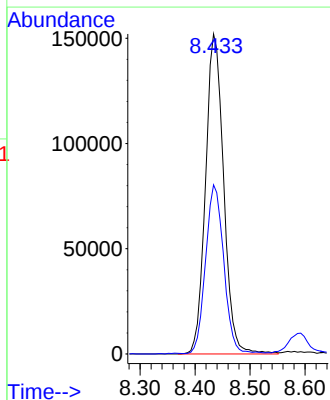
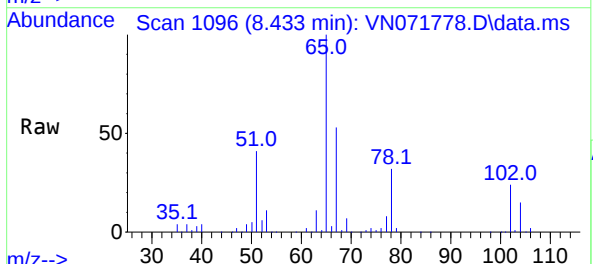
Manual Integrations
APPROVED

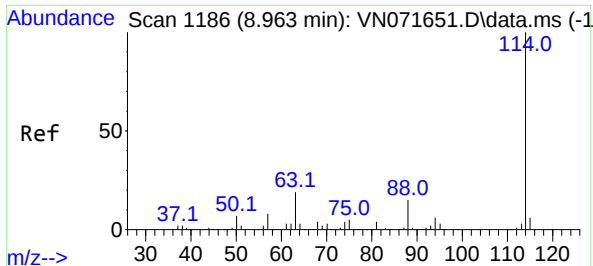
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022



#33
1,2-Dichloroethane-d4
Concen: 48.615 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

Tgt Ion: 65 Resp: 348422
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071778.D

Acq: 02 Apr 2022 02:10

Instrument :

MSVOA_N

ClientSampleId :

MW-16

Tgt Ion:114 Resp: 106685

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

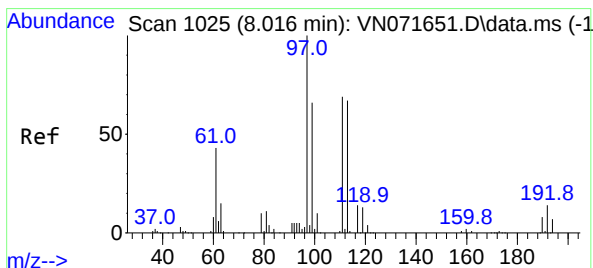
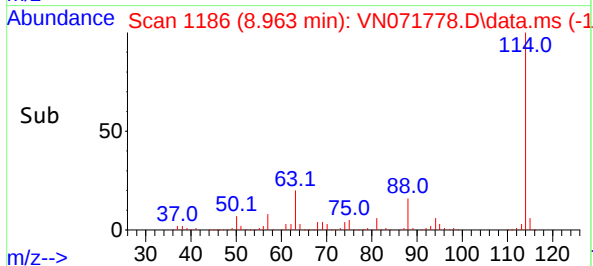
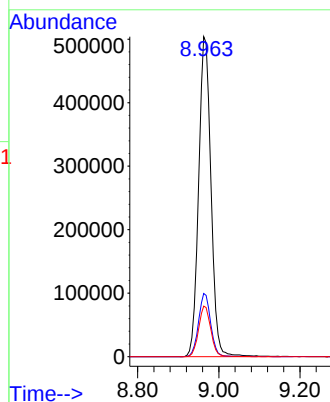
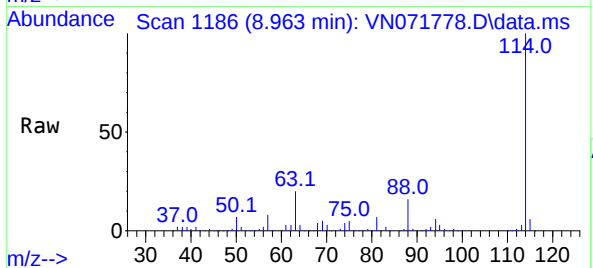
88 15.8 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/02/2022

Supervised By :Mahesh Dadoda 04/02/2022



#35

Dibromofluoromethane

Concen: 48.029 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071778.D

Acq: 02 Apr 2022 02:10

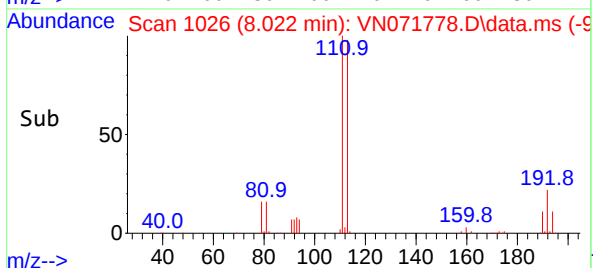
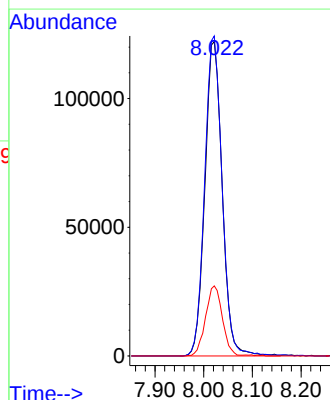
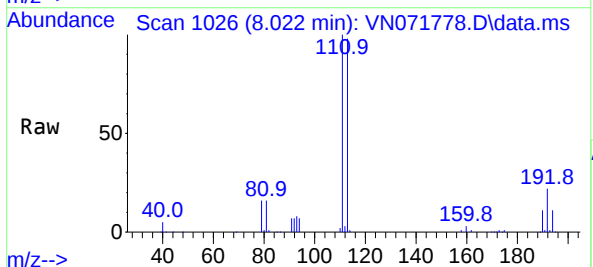
Tgt Ion:113 Resp: 301519

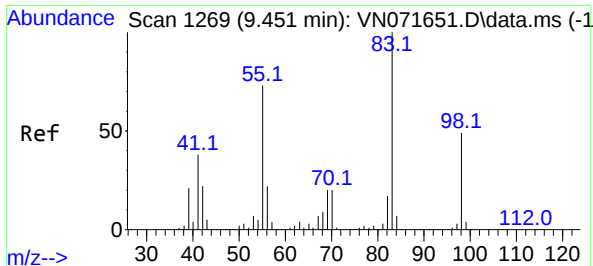
Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 21.6 17.0 25.6





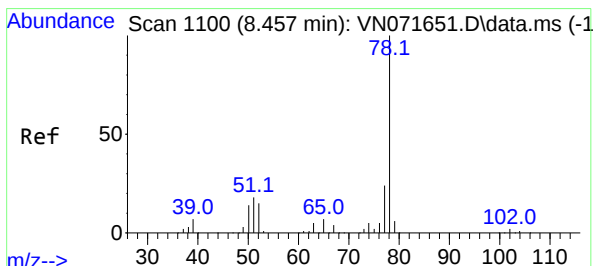
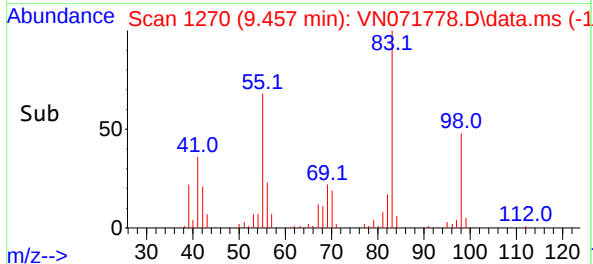
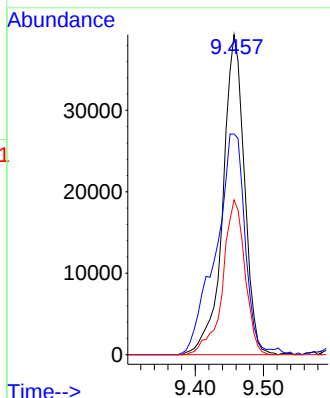
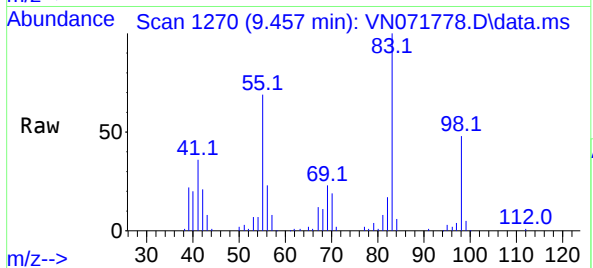
#39
Methylcyclohexane
Concen: 8.278 ug/l
RT: 9.457 min Scan# 1100
Delta R.T. 0.006 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

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ClientSampleId :
MW-16

Tgt Ion: 83 Resp: 8638
Ion Ratio Lower Upper
83 100
55 69.0 57.8 86.8
98 48.4 39.4 59.2

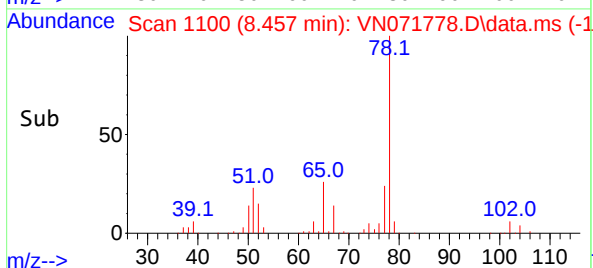
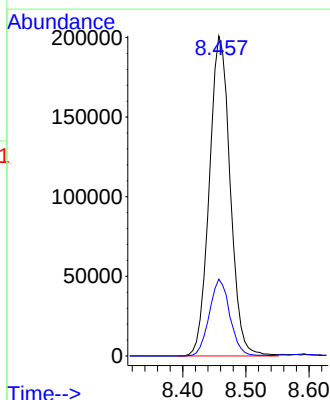
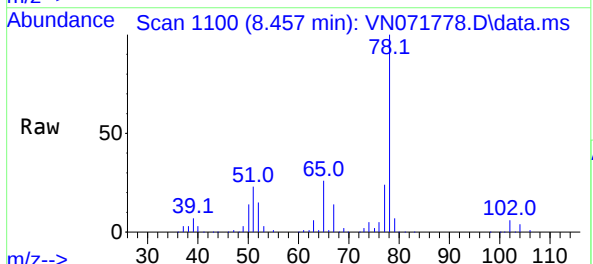
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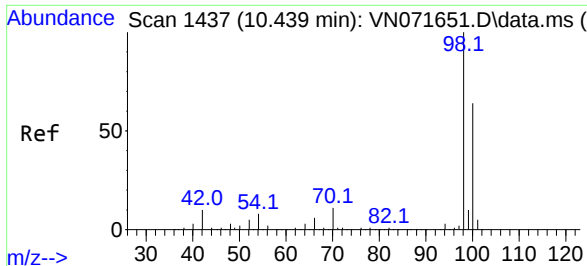
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022



#40
Benzene
Concen: 16.654 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

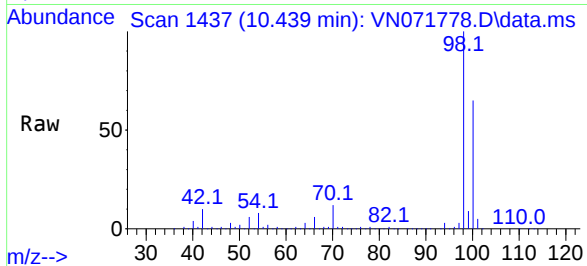
Tgt Ion: 78 Resp: 461213
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0





#50
Toluene-d8
Concen: 52.544 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

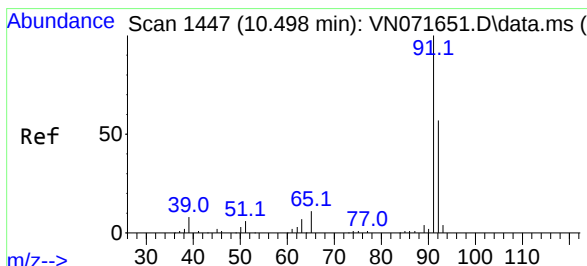
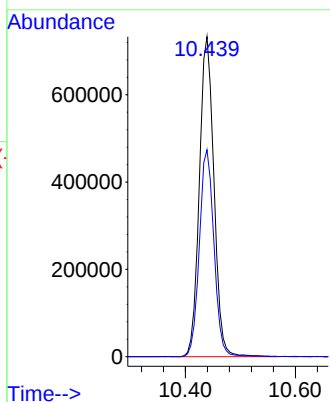
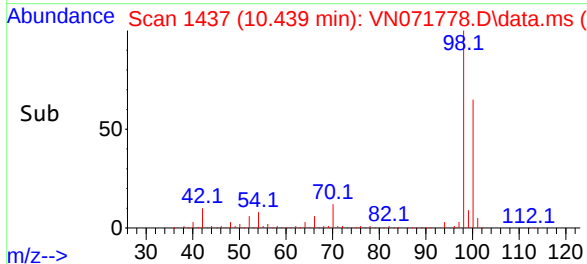
Instrument :
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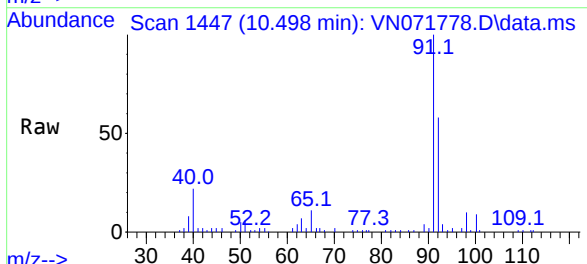
Tgt Ion: 98 Resp: 134937
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

Manual Integrations
APPROVED

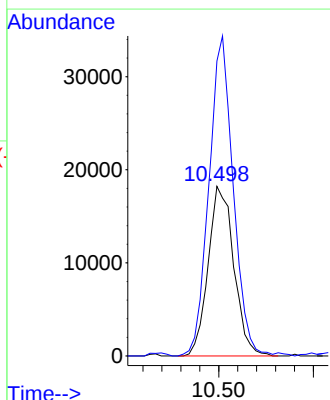
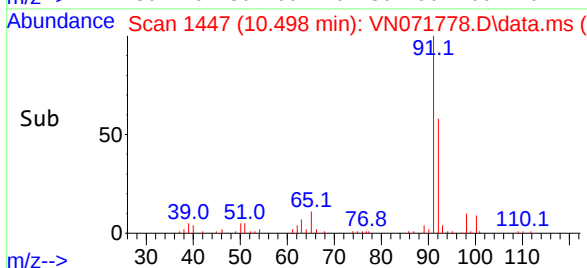
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022

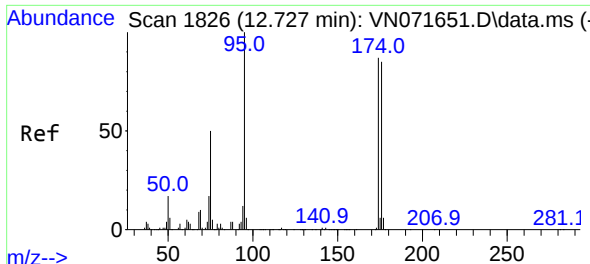


#52
Toluene
Concen: 1.956 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10



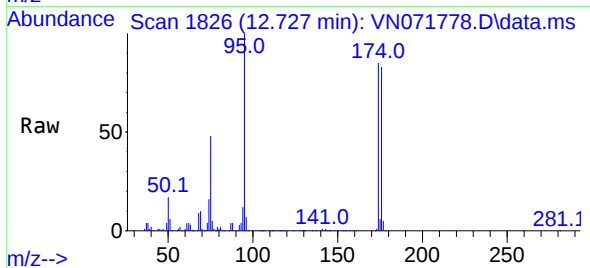
Tgt Ion: 92 Resp: 34234
Ion Ratio Lower Upper
92 100
91 179.0 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 56.637 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

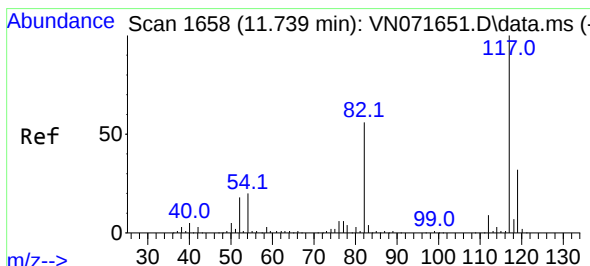
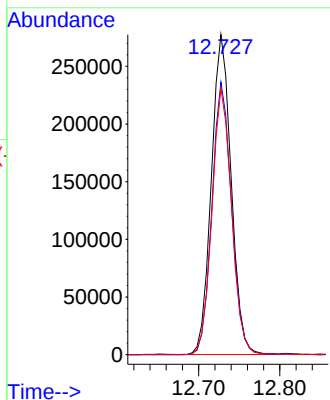
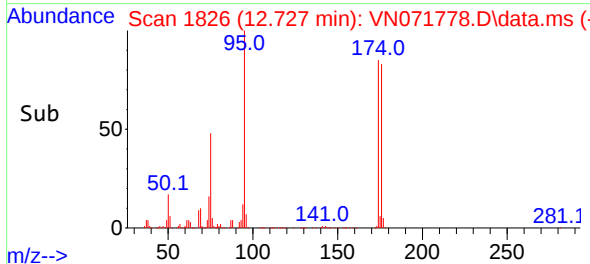
Instrument :
MSVOA_N
ClientSampleId :
MW-16



Tgt Ion: 95 Resp: 47040
Ion Ratio Lower Upper
95 100
174 84.5 0.0 167.6
176 82.2 0.0 163.4

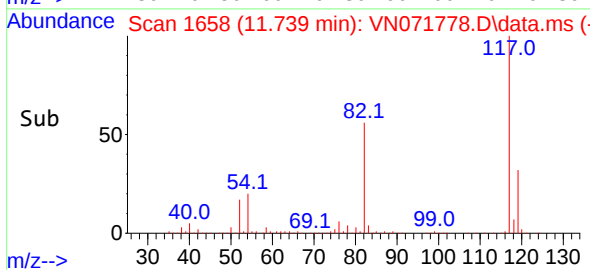
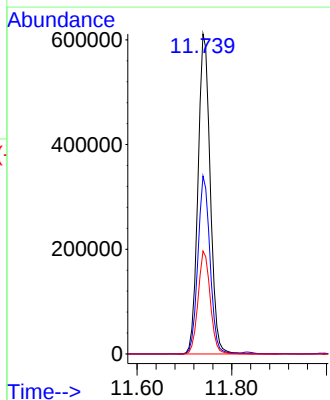
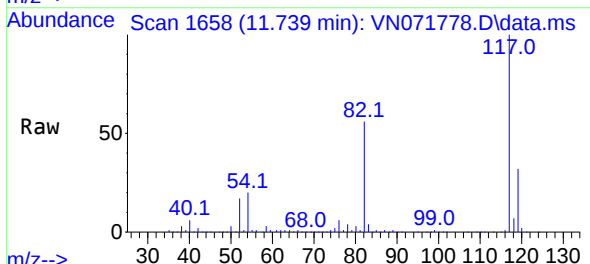
Manual Integrations
APPROVED

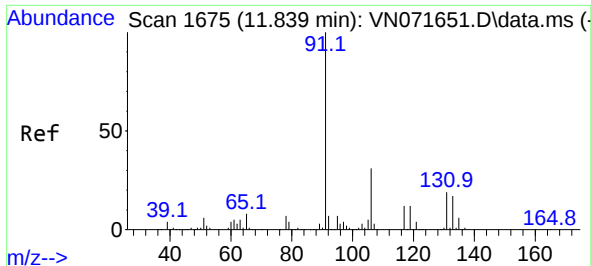
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

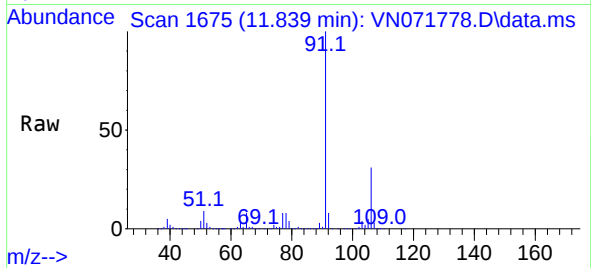
Tgt Ion:117 Resp: 1091238
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 32.1 25.4 38.0





#67
Ethyl Benzene
Concen: 22.104 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

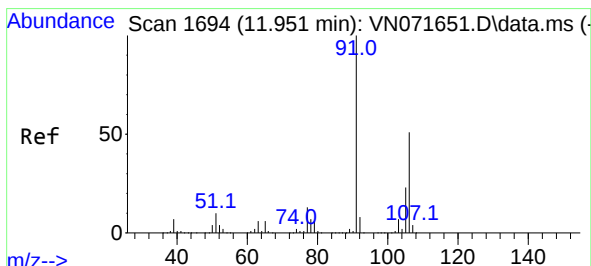
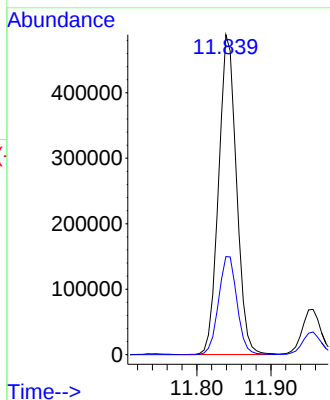
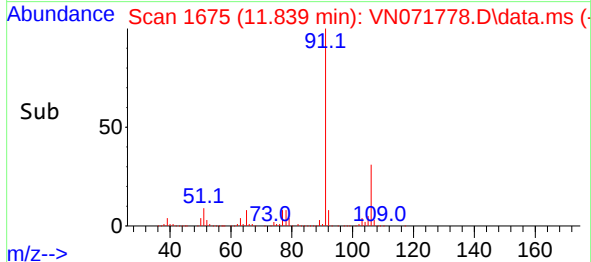
Instrument :
MSVOA_N
ClientSampleId :
MW-16



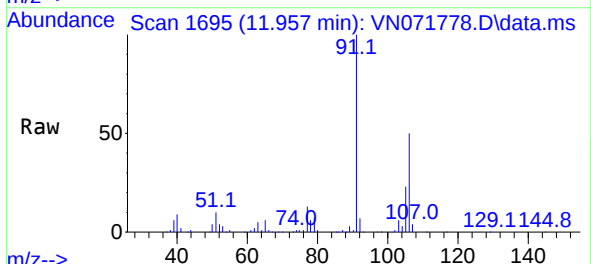
Tgt Ion: 91 Resp: 817644
Ion Ratio Lower Upper
91 100
106 30.7 24.9 37.3

Manual Integrations
APPROVED

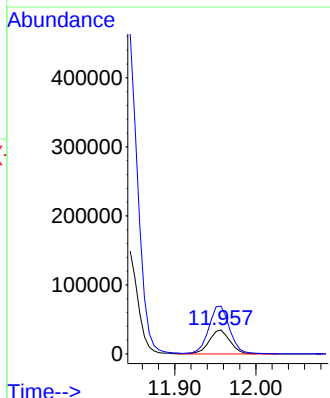
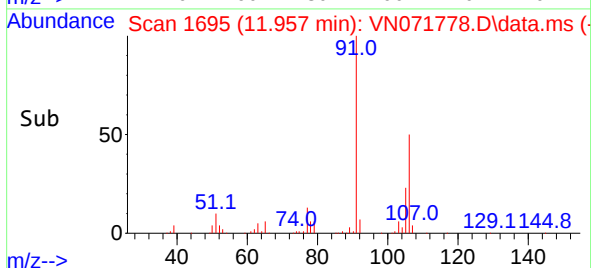
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022

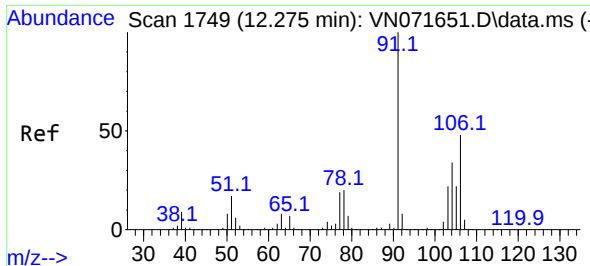


#68
m/p-Xylenes
Concen: 4.369 ug/l
RT: 11.957 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10



Tgt Ion:106 Resp: 62087
Ion Ratio Lower Upper
106 100
91 200.2 158.9 238.3





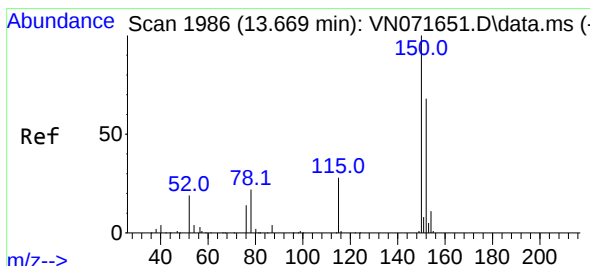
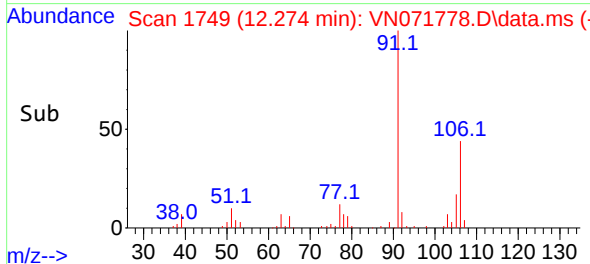
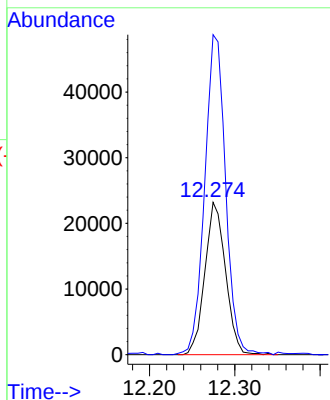
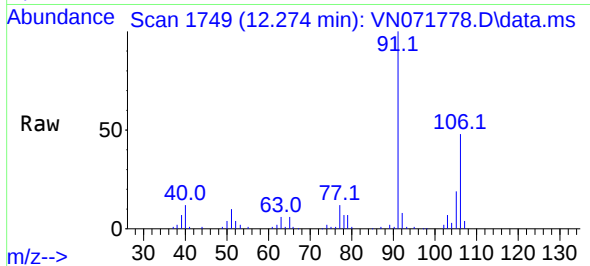
#69
o-Xylene
Concen: 2.771 ug/l
RT: 12.274 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

Instrument :
MSVOA_N
ClientSampleId :
MW-16

Tgt Ion:106 Resp: 3909
Ion Ratio Lower Upper
106 100
91 212.1 106.0 318.0

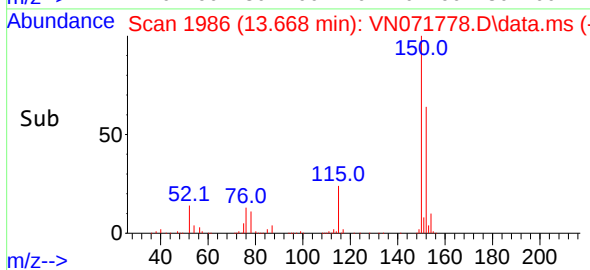
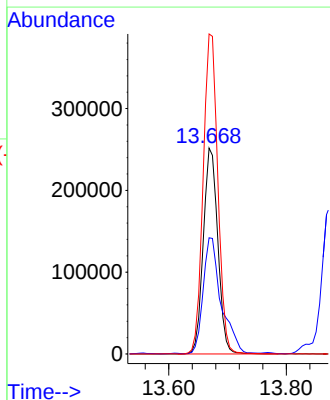
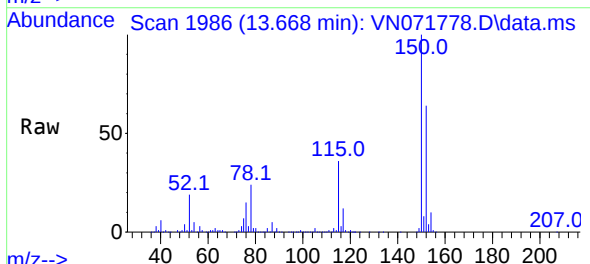
Manual Integrations
APPROVED

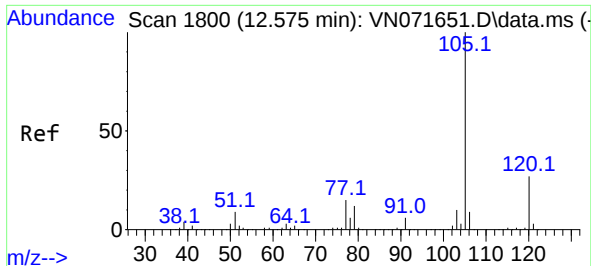
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

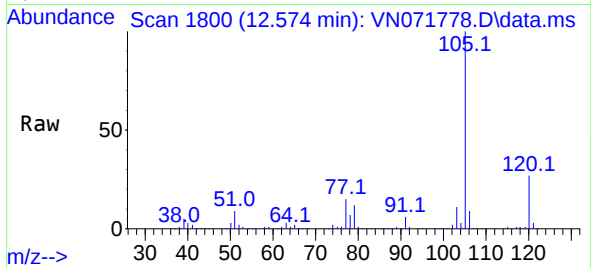
Tgt Ion:152 Resp: 431733
Ion Ratio Lower Upper
152 100
115 70.1 28.9 86.7
150 157.3 0.0 356.2





#73
Isopropylbenzene
Concen: 11.401 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

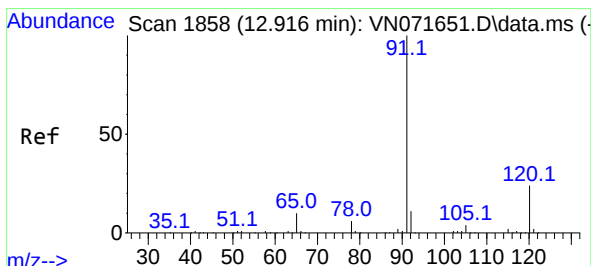
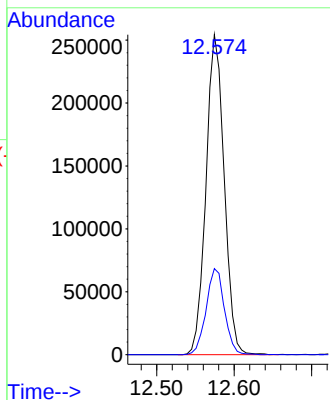
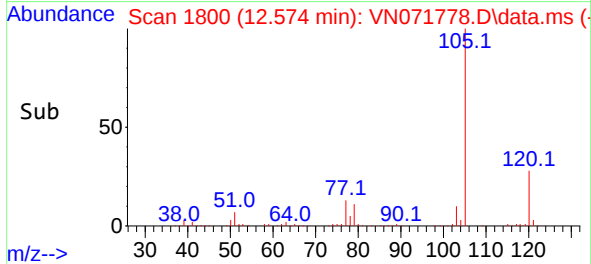
Instrument :
MSVOA_N
ClientSampleId :
MW-16



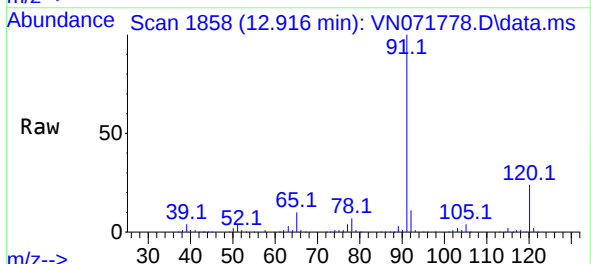
Tgt Ion:105 Resp: 41479
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4

Manual Integrations
APPROVED

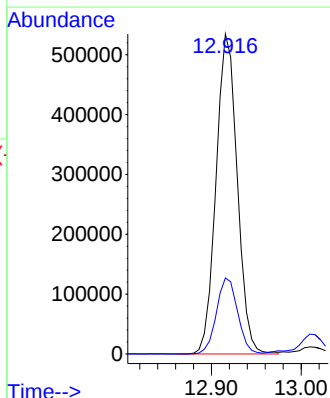
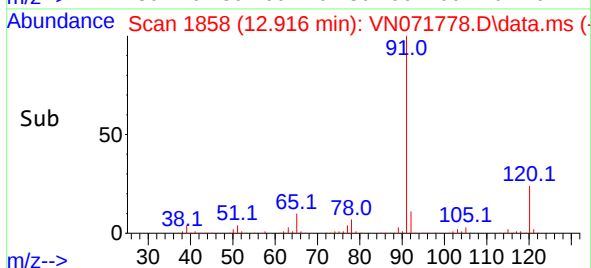
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022

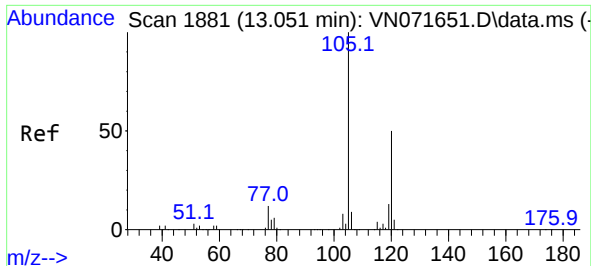


#78
n-propylbenzene
Concen: 22.927 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10



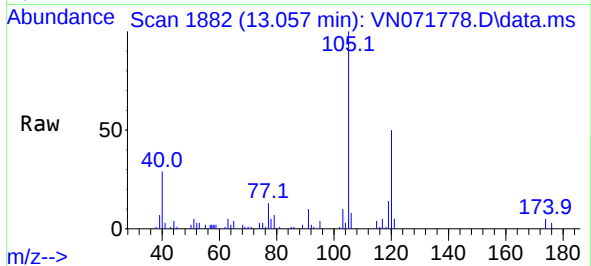
Tgt Ion: 91 Resp: 877389
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 1.142 ug/l m
RT: 13.057 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

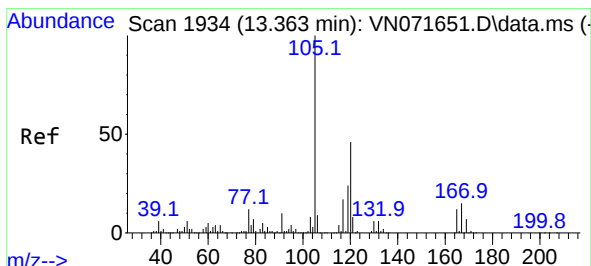
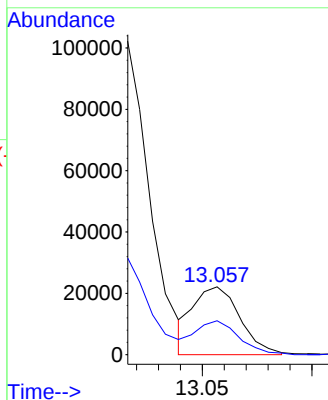
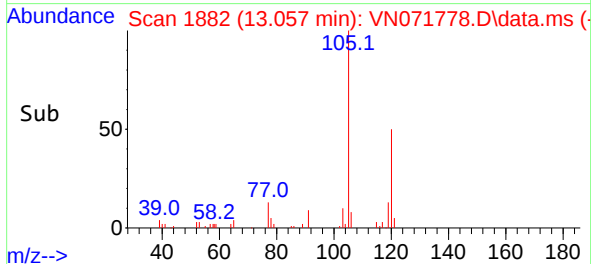
Instrument :
MSVOA_N
ClientSampleId :
MW-16



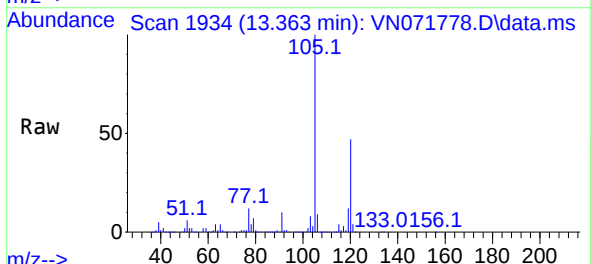
Tgt Ion:105 Resp: 32932
Ion Ratio Lower Upper
105 100
120 196.9 24.9 74.7

Manual Integrations
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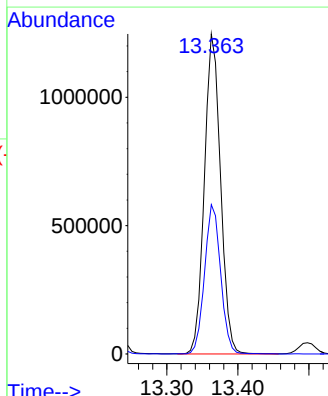
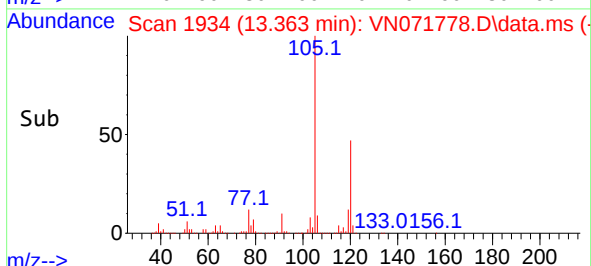
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022

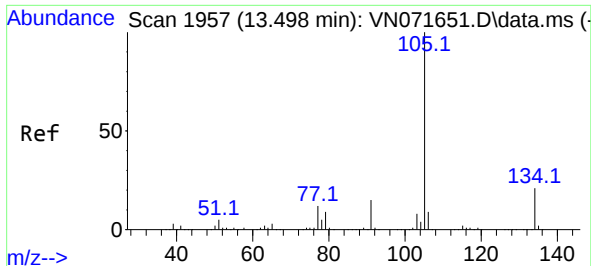


#84
1,2,4-Trimethylbenzene
Concen: 70.175 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10



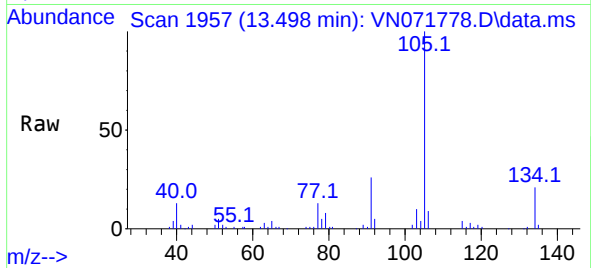
Tgt Ion:105 Resp: 1973655
Ion Ratio Lower Upper
105 100
120 46.5 23.3 69.8





#85
sec-Butylbenzene
Concen: 2.130 ug/l
RT: 13.498 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

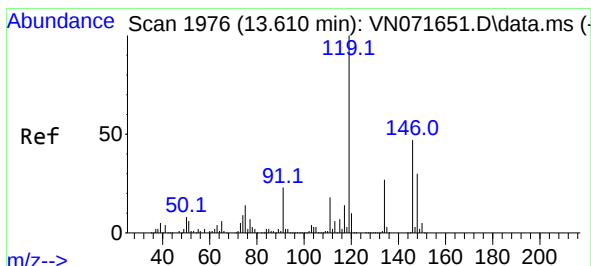
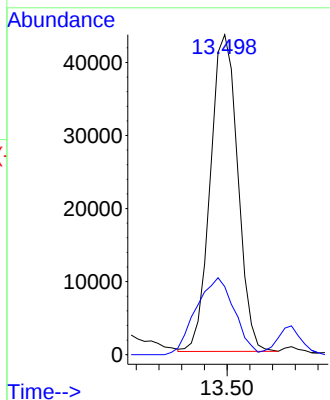
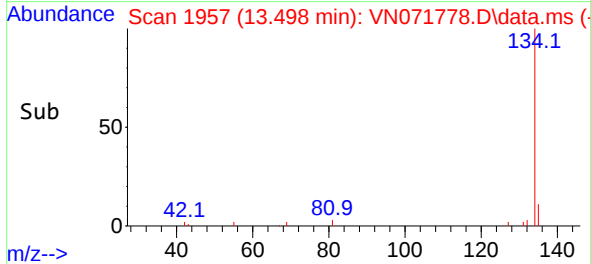
Instrument :
MSVOA_N
ClientSampleId :
MW-16



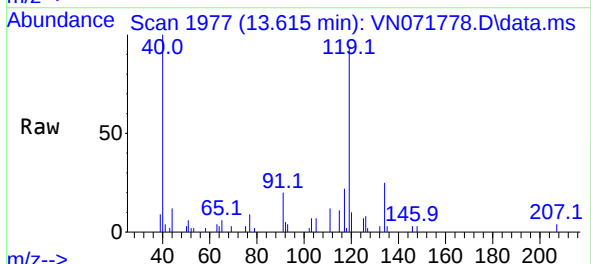
Tgt Ion:105 Resp: 7275
Ion Ratio Lower Upper
105 100
134 33.8 10.4 31.1

Manual Integrations
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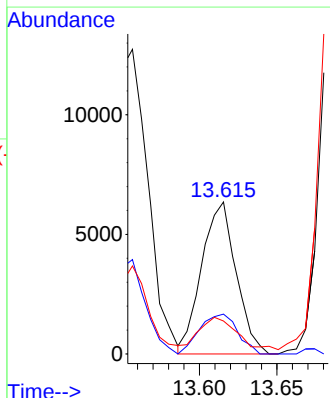
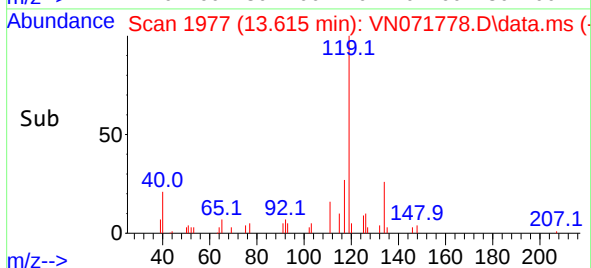
Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022

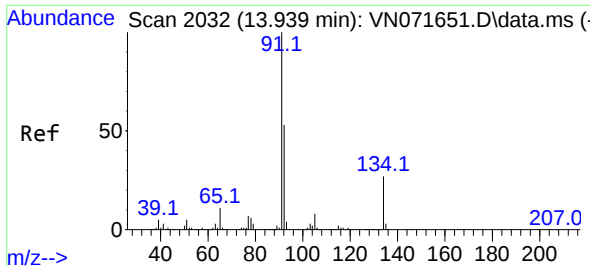


#86
p-Isopropyltoluene
Concen: 0.360 ug/l
RT: 13.615 min Scan# 1977
Delta R.T. 0.005 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10



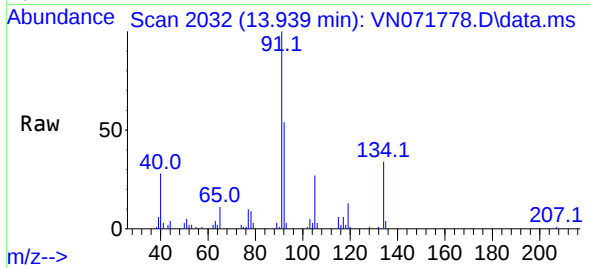
Tgt Ion:119 Resp: 9815
Ion Ratio Lower Upper
119 100
134 29.0 13.3 39.8
91 0.0 11.3 33.9





#89
n-Butylbenzene
Concen: 2.342 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10

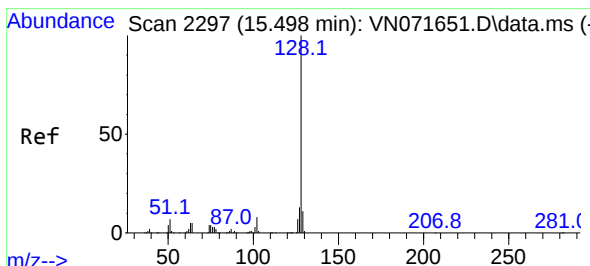
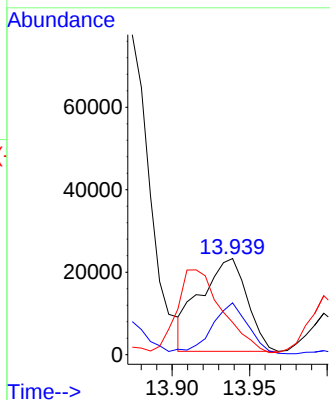
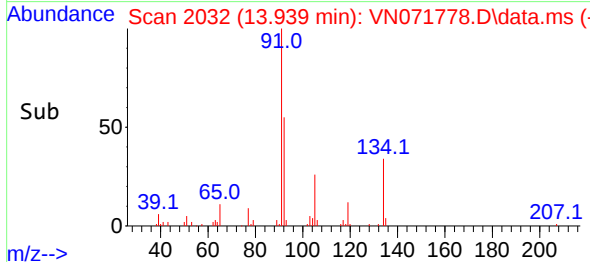
Instrument :
MSVOA_N
ClientSampleId :
MW-16



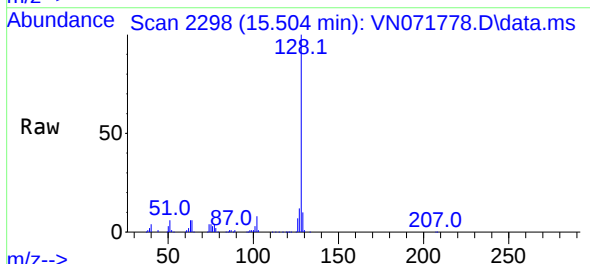
Tgt Ion: 91 Resp: 47300
Ion Ratio Lower Upper
91 100
92 41.0 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/02/2022
Supervised By :Mahesh Dadoda 04/02/2022



#95
Naphthalene
Concen: 19.156 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071778.D
Acq: 02 Apr 2022 02:10



Tgt Ion:128 Resp: 326685
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.4 8.6 13.0

