

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074312.D
 Acq On : 03 Sep 2022 02:16
 Operator : JC\MD
 Sample : N4355-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16R

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/03/2022
 Supervised By : Mahesh Dadoda 09/06/2022

Quant Time: Sep 03 04:44:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	377515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	675569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	632262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	313850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	264433	44.935	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.860%		
35) Dibromofluoromethane	7.951	113	226318	50.555	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.120%		
50) Toluene-d8	10.380	98	761909	43.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	86.320%		
62) 4-Bromofluorobenzene	12.669	95	296566	46.145	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.300%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.293	59	42066m	39.401	ug/l	
16) Acetone	4.222	43	36443	14.818	ug/l	98
19) Methyl tert-butyl Ether	5.540	73	170861	11.600	ug/l	99
22) Diisopropyl ether	6.416	45	8848	0.631	ug/l #	82
25) 2-Butanone	7.263	43	61025	14.694	ug/l	99
31) Cyclohexane	8.010	56	15460	1.967	ug/l #	77
39) Methylcyclohexane	9.398	83	2432	0.318	ug/l	87
40) Benzene	8.392	78	220496	11.001	ug/l	100
52) Toluene	10.445	92	15653	1.264	ug/l	93
67) Ethyl Benzene	11.780	91	49193	1.931	ug/l	97
68) m/p-Xylenes	11.892	106	46031	4.840	ug/l	97
69) o-Xylene	12.216	106	7033	0.741	ug/l	97
78) n-propylbenzene	12.863	91	16422	0.523	ug/l	89
80) 1,3,5-Trimethylbenzene	12.998	105	8804	0.400	ug/l	87
84) 1,2,4-Trimethylbenzene	13.304	105	59667	2.673	ug/l	98
95) Naphthalene	15.427	128	156992	7.569	ug/l	96

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

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Abundance

TIC: VN074312.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Acetone, T

Tert butyl alcohol, T

Methyl tert-butyl Ether, T

Diisopropyl ether, T

2-Butanone, T

Dibromofluoromethane, S

Pentachlorobenzene, I

Benzene, T

1,4-Dichloroethane-d4, S

1,4-Difluorobenzene, I

Methylcyclohexane, T

Toluene, CMI

Toluene-d8, S

Chlorobenzene-d5, I

o-Xylene, T

Ethyl Benzene, C

n-Propylbenzene, T

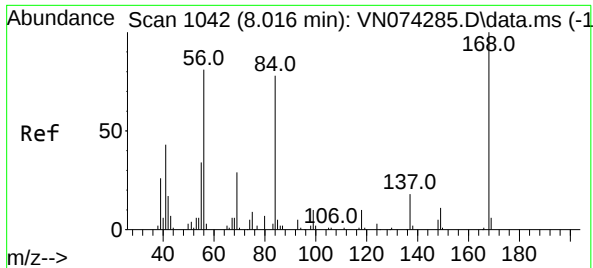
1,3,5-Trimethylbenzene, T

1,2,4-Trimethylbenzene, T

4-Bromofluorobenzene, S

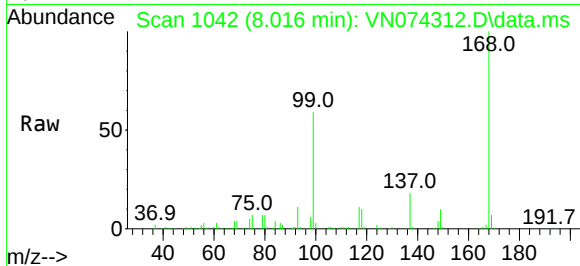
1,4-Dichlorobenzene-d4, I

Naphthalene, T



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074312.D
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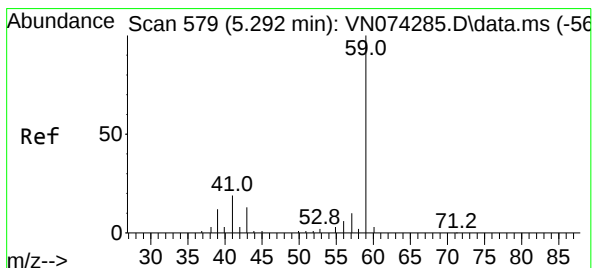
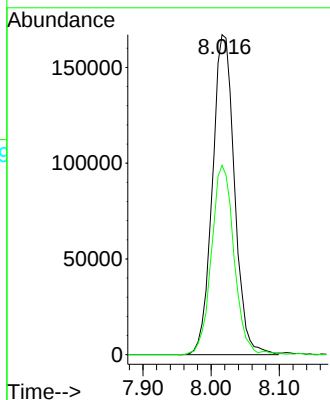
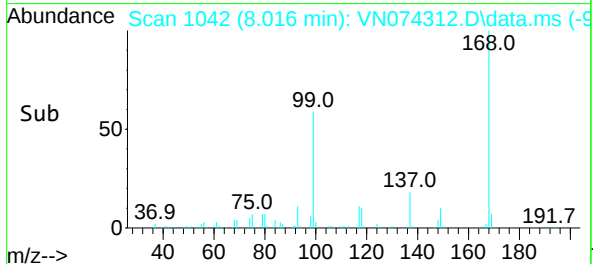
Instrument :
MSVOA_N
ClientSampleId :
MW-16R



Tgt Ion:168 Resp: 37751
Ion Ratio Lower Upper
168 100
99 59.1 42.3 63.5

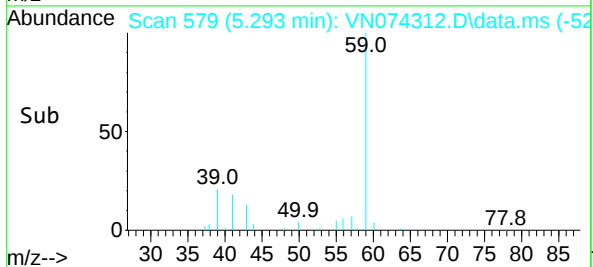
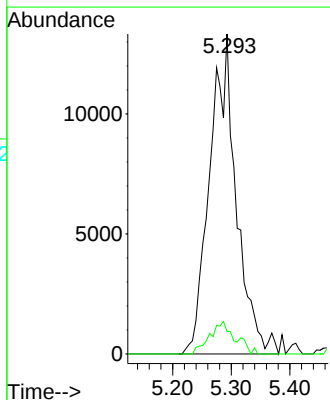
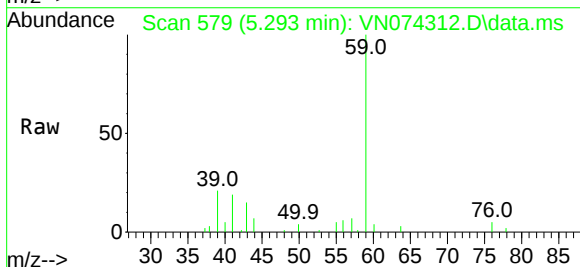
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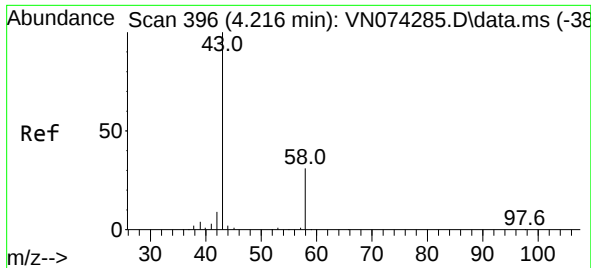
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022



#11
Tert butyl alcohol
Concen: 39.401 ug/l m
RT: 5.293 min Scan# 579
Delta R.T. 0.006 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

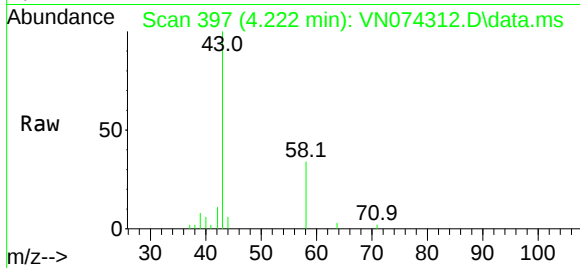
Tgt Ion: 59 Resp: 42066
Ion Ratio Lower Upper
59 100
57 8.1 8.3 12.5#





#16
Acetone
Concen: 14.818 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

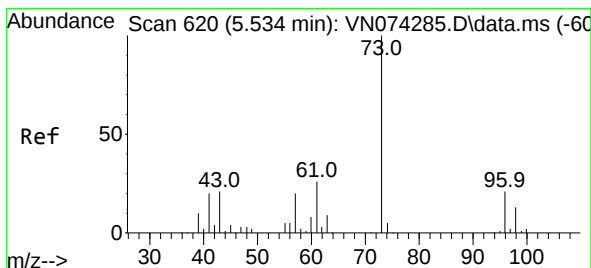
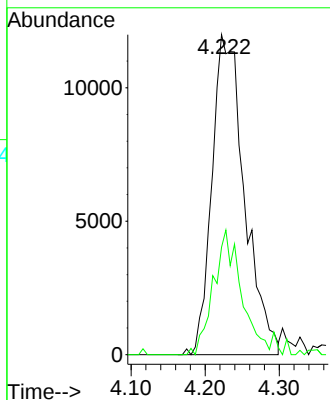
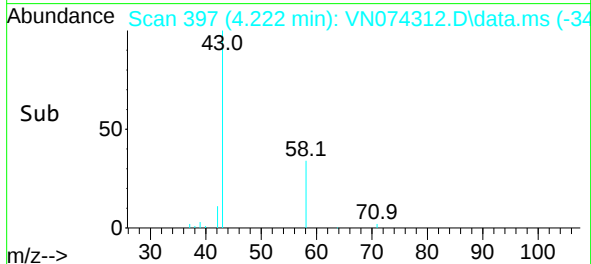
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 43 Resp: 3644
Ion Ratio Lower Upper
43 100
58 33.6 26.0 39.0

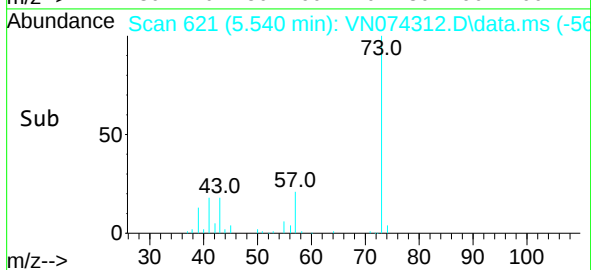
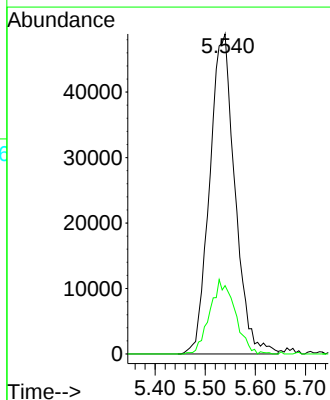
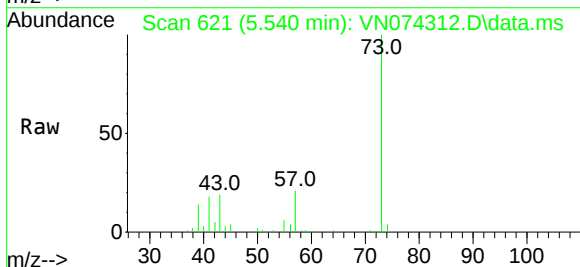
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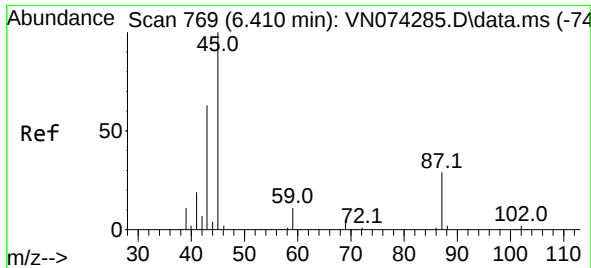
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022



#19
Methyl tert-butyl Ether
Concen: 11.600 ug/l
RT: 5.540 min Scan# 621
Delta R.T. 0.006 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

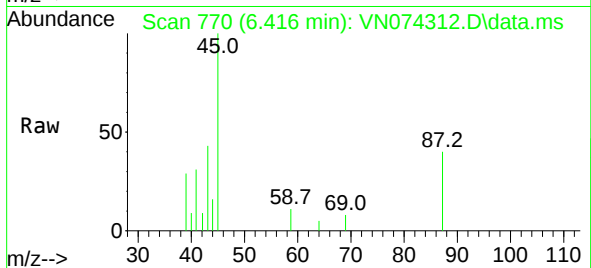
Tgt Ion: 73 Resp: 170861
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4





#22
Diisopropyl ether
Concen: 0.631 ug/l
RT: 6.416 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

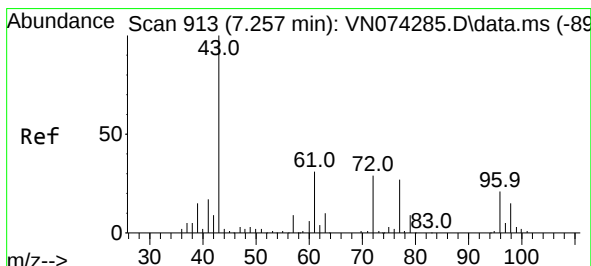
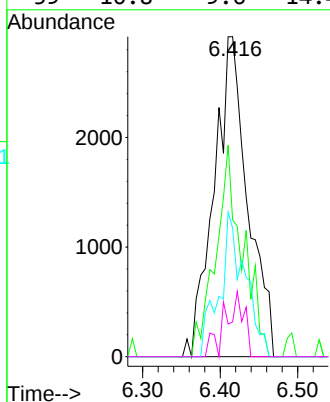
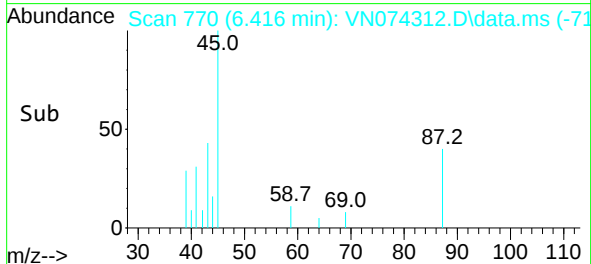
Instrument :
MSVOA_N
ClientSampleId :
MW-16R



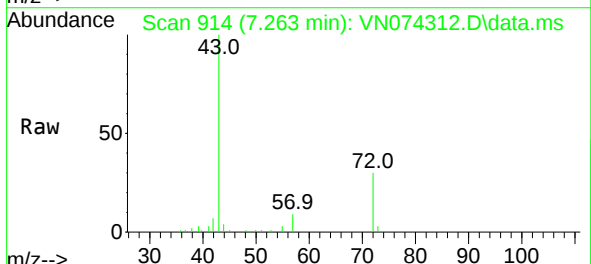
Tgt Ion: 45 Resp: 884
Ion Ratio Lower Upper
45 100
43 42.8 46.6 70.0
87 40.2 24.3 36.5
59 10.8 9.6 14.4

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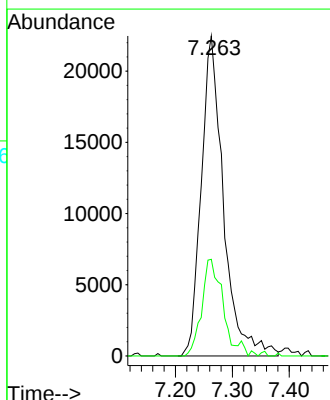
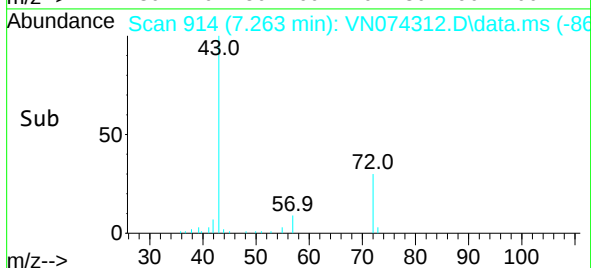
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022

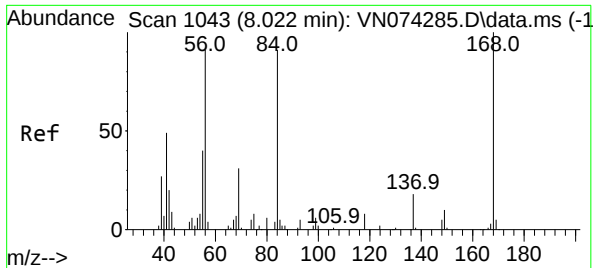


#25
2-Butanone
Concen: 14.694 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16



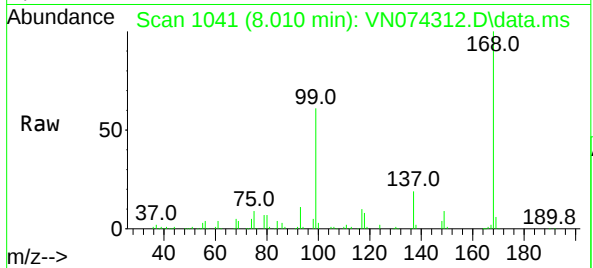
Tgt Ion: 43 Resp: 61025
Ion Ratio Lower Upper
43 100
72 30.2 23.7 35.5





#31
Cyclohexane
Concen: 1.967 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

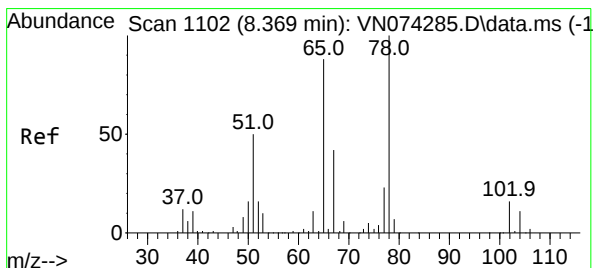
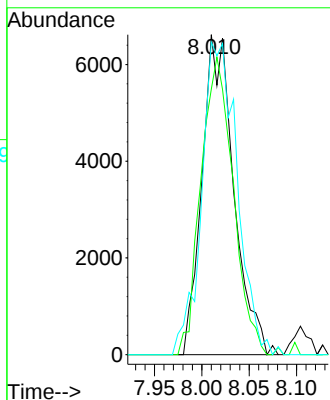
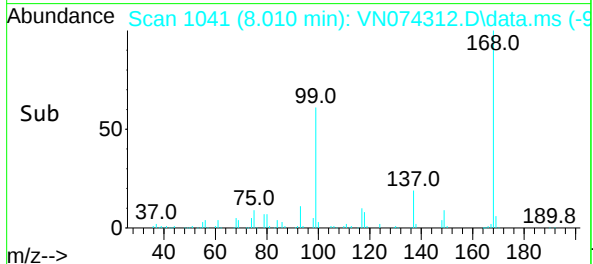
Instrument :
MSVOA_N
ClientSampleId :
MW-16R



Tgt Ion: 56 Resp: 15460
Ion Ratio Lower Upper
56 100
69 83.0 27.8 41.8
84 95.2 76.9 115.3

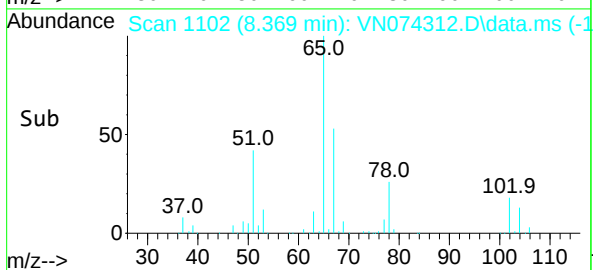
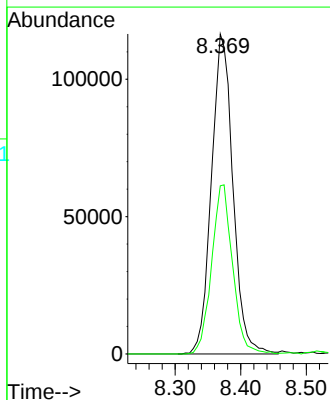
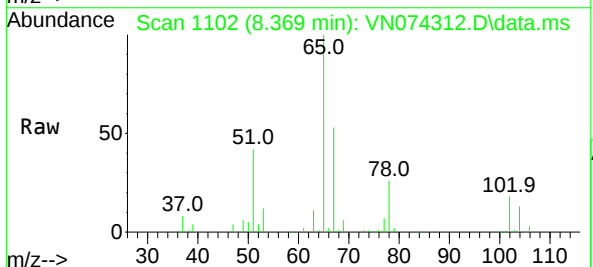
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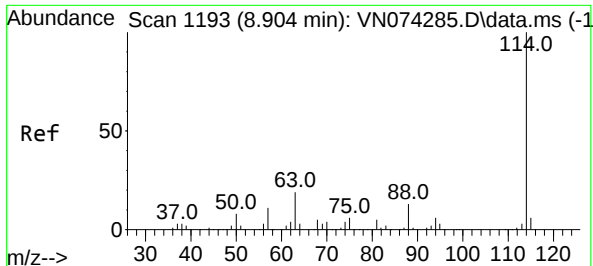
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022



#33
1,2-Dichloroethane-d4
Concen: 44.935 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

Tgt Ion: 65 Resp: 264433
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074312.D

Acq: 03 Sep 2022 02:16

Instrument :

MSVOA_N

ClientSampleId :

MW-16R

Tgt Ion:114 Resp: 675569

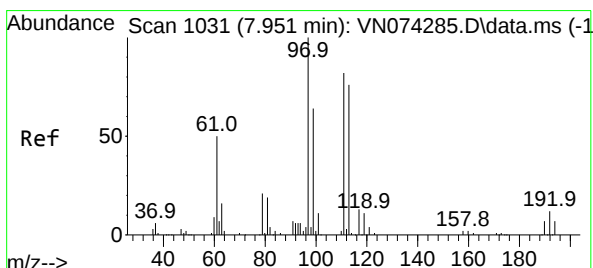
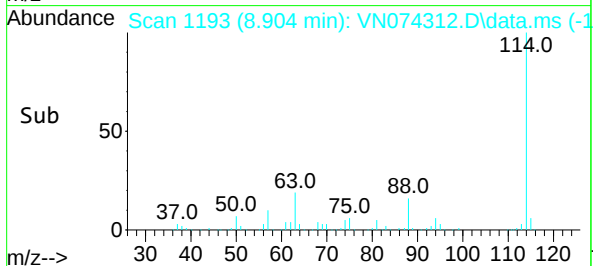
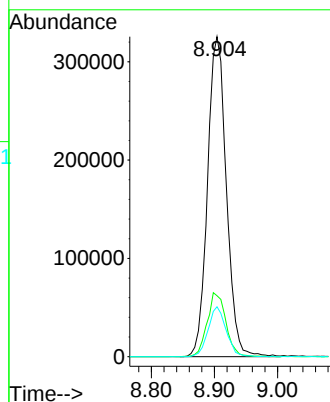
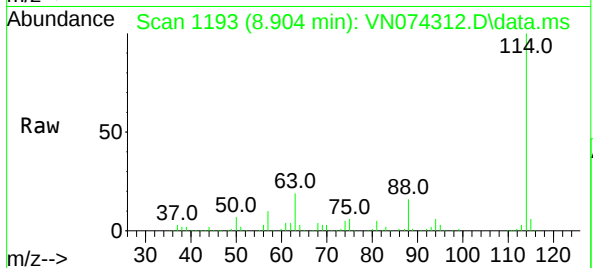
Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	40.0
88	15.6	0.0	32.6

Manual Integrations

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#35

Dibromofluoromethane

Concen: 50.555 ug/l

RT: 7.951 min Scan# 1031

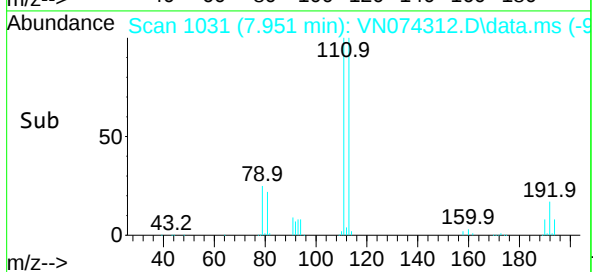
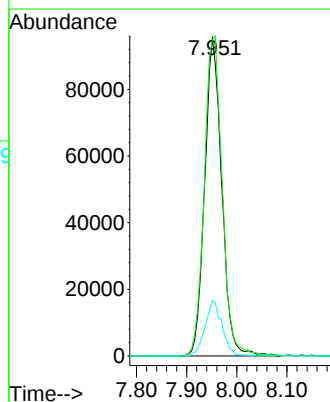
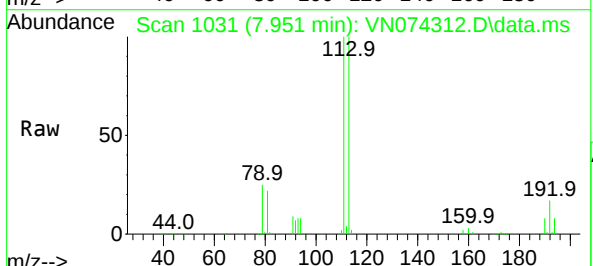
Delta R.T. 0.000 min

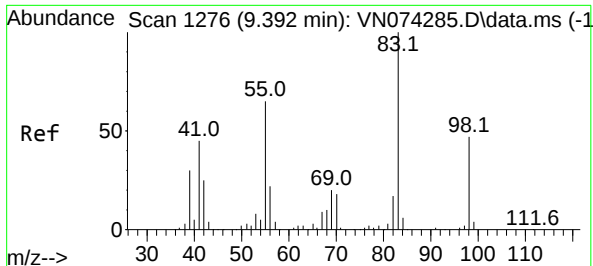
Lab File: VN074312.D

Acq: 03 Sep 2022 02:16

Tgt Ion:113 Resp: 226318

Ion	Ratio	Lower	Upper
113	100		
111	105.7	81.4	122.0
192	17.4	17.0	25.6





#39

Methylcyclohexane

Concen: 0.318 ug/l

RT: 9.398 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VN074312.D

Acq: 03 Sep 2022 02:16

Instrument :

MSVOA_N

ClientSampleId :

MW-16R

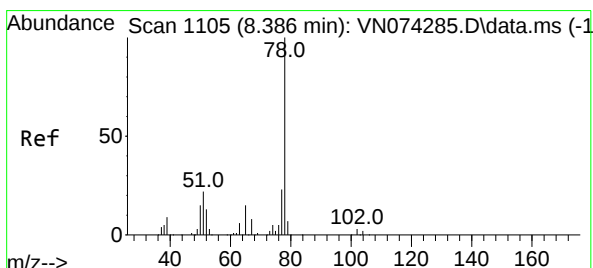
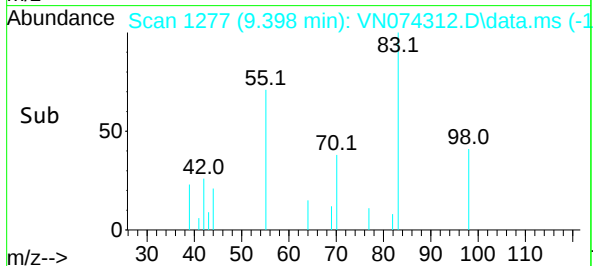
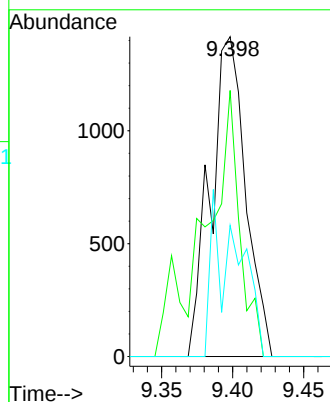
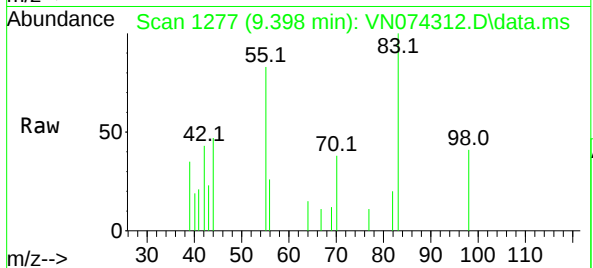
Tgt Ion: 83	Resp: 243
Ion Ratio	Lower Upper
83 100	
55 83.2	57.8 86.8
98 41.0	39.4 59.2

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#40

Benzene

Concen: 11.001 ug/l

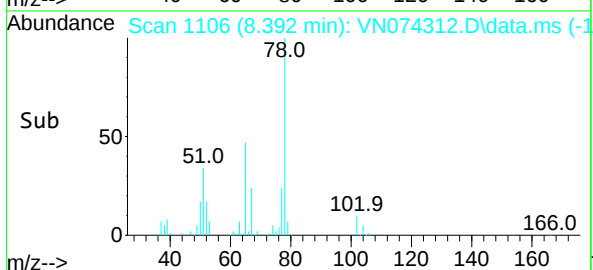
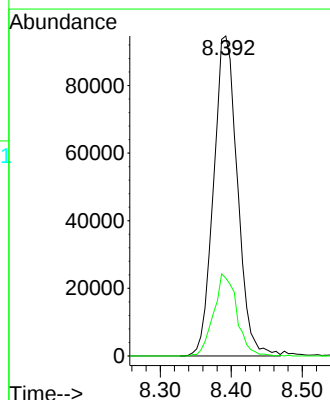
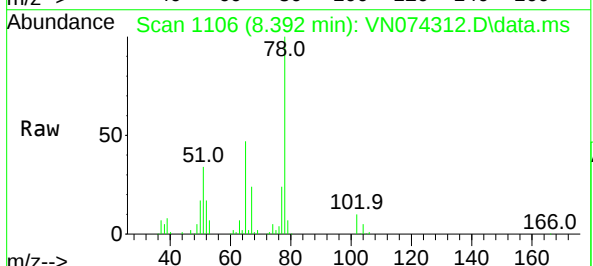
RT: 8.392 min Scan# 1106

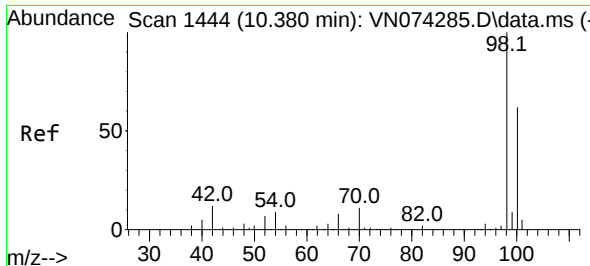
Delta R.T. 0.000 min

Lab File: VN074312.D

Acq: 03 Sep 2022 02:16

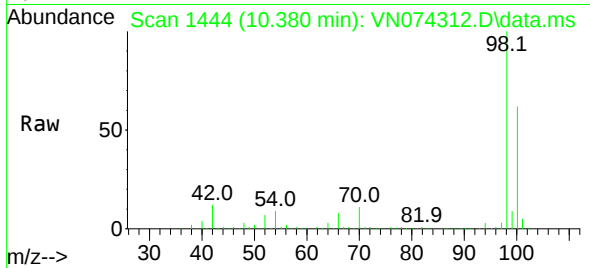
Tgt Ion: 78	Resp: 220496
Ion Ratio	Lower Upper
78 100	
77 24.3	19.4 29.0





#50
Toluene-d8
Concen: 43.162 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

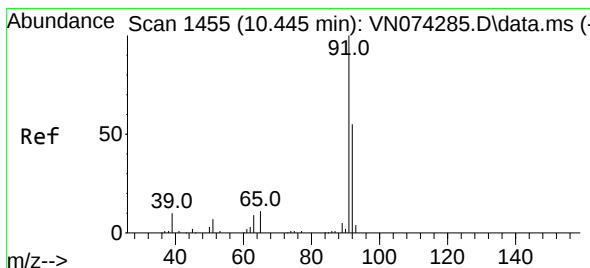
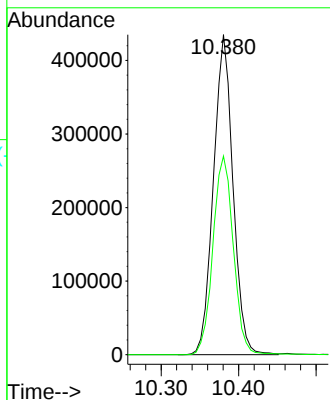
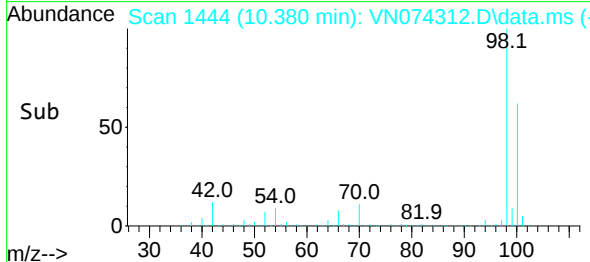
Instrument :
MSVOA_N
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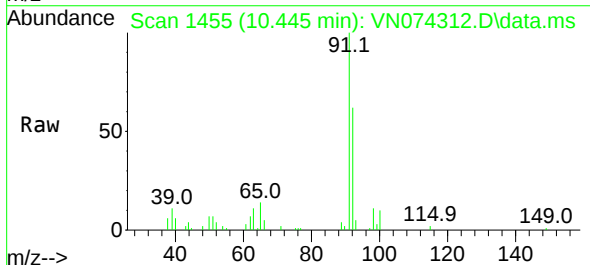
Tgt Ion: 98 Resp: 761909
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

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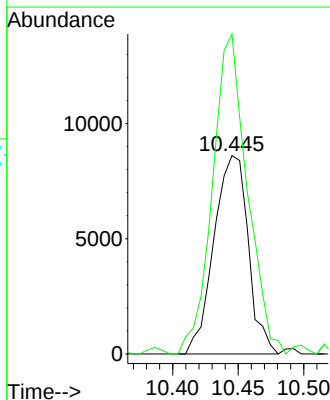
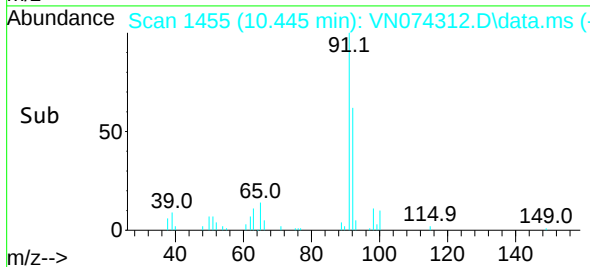
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022

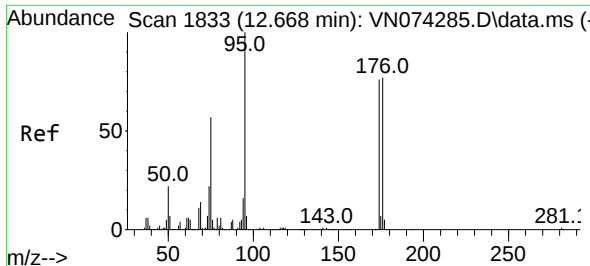


#52
Toluene
Concen: 1.264 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16



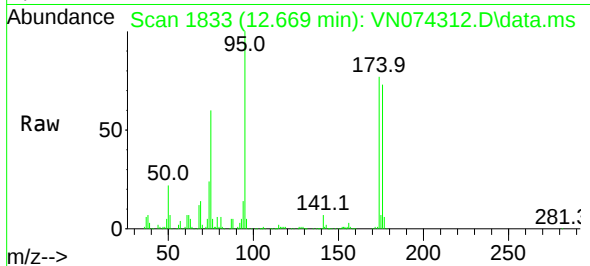
Tgt Ion: 92 Resp: 15653
Ion Ratio Lower Upper
92 100
91 163.2 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 46.145 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

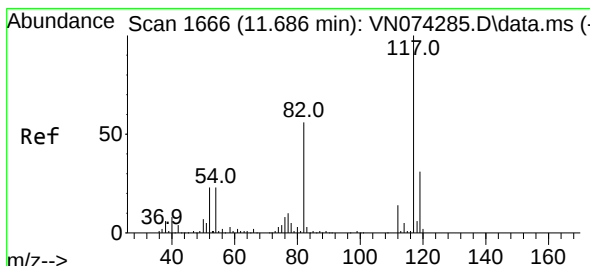
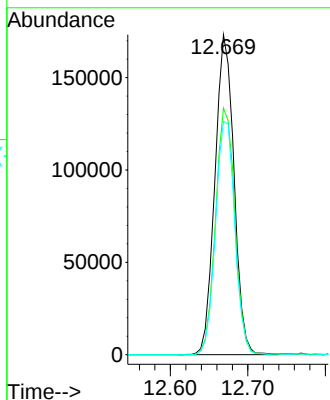
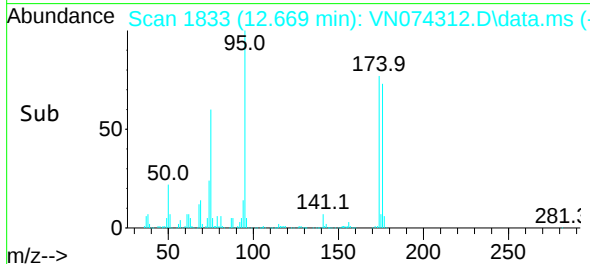
Instrument :
MSVOA_N
ClientSampleId :
MW-16R



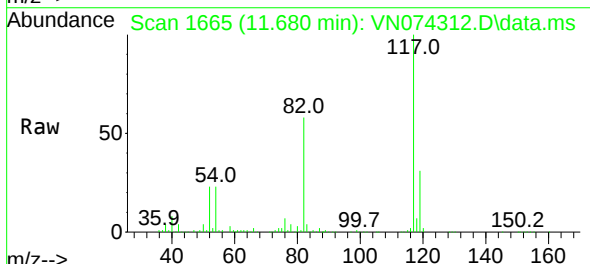
Tgt Ion: 95 Resp: 296560
Ion Ratio Lower Upper
95 100
174 77.9 0.0 167.6
176 73.9 0.0 163.4

Manual Integrations
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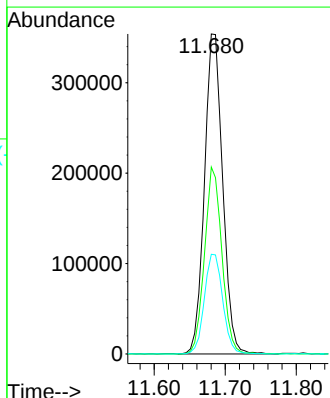
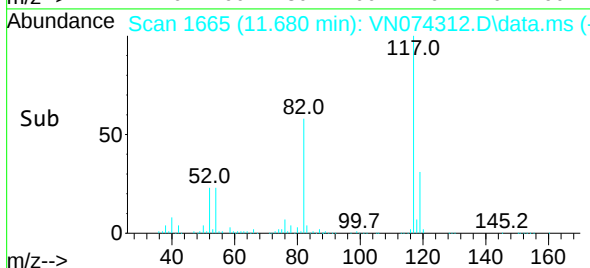
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022

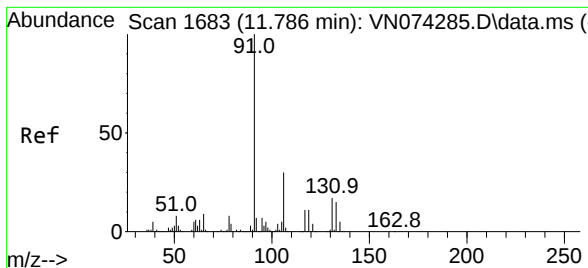


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.006 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16



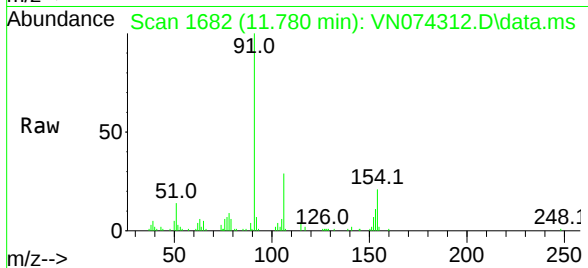
Tgt Ion:117 Resp: 632262
Ion Ratio Lower Upper
117 100
82 58.4 44.2 66.2
119 31.1 25.4 38.0





#67
Ethyl Benzene
Concen: 1.931 ug/l
RT: 11.780 min Scan# 1683
Delta R.T. -0.006 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

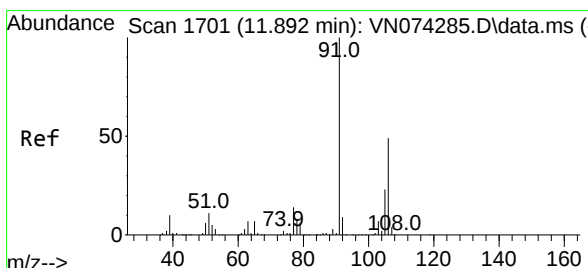
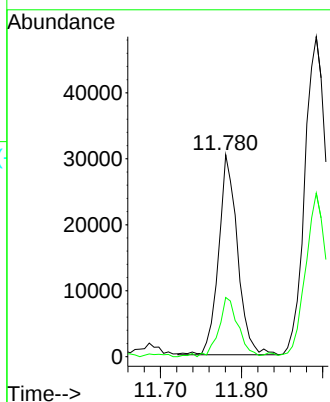
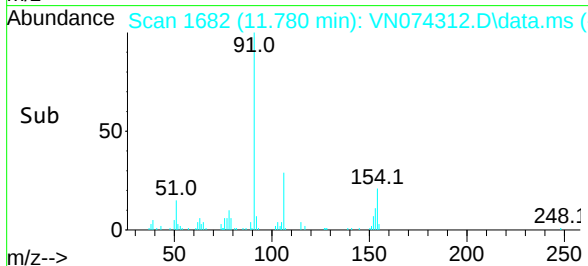
Instrument :
MSVOA_N
ClientSampleId :
MW-16R



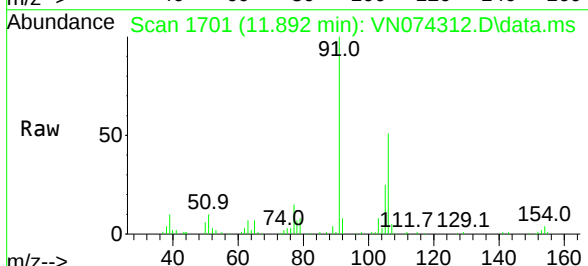
Tgt Ion: 91 Resp: 4919
Ion Ratio Lower Upper
91 100
106 29.6 24.9 37.3

Manual Integrations
APPROVED

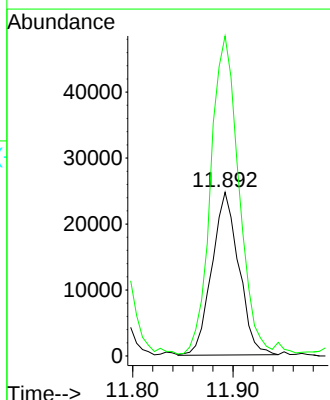
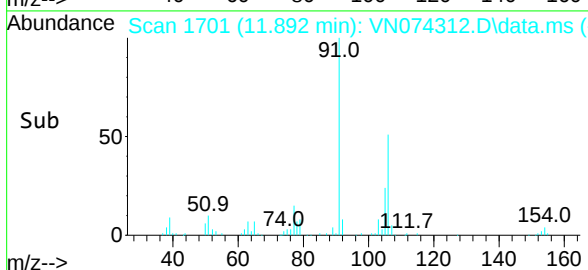
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022

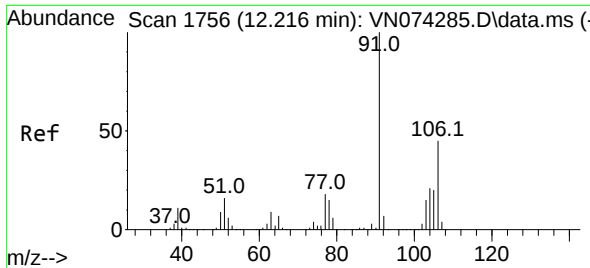


#68
m/p-Xylenes
Concen: 4.840 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16



Tgt Ion:106 Resp: 46031
Ion Ratio Lower Upper
106 100
91 203.0 158.9 238.3





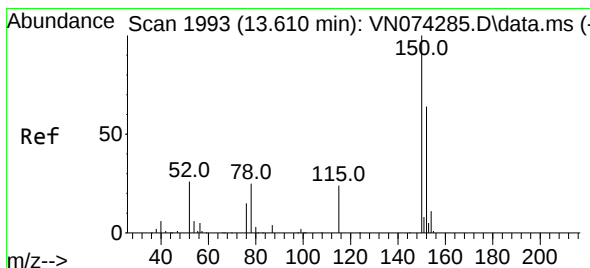
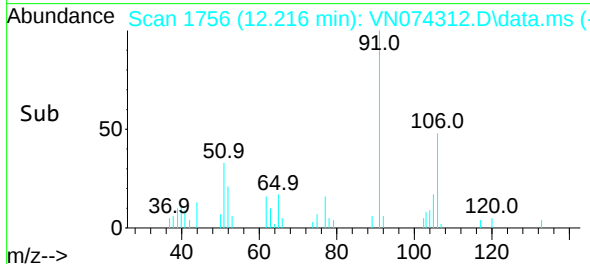
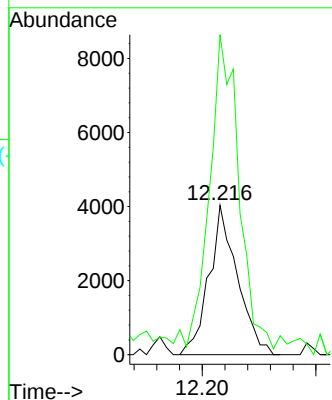
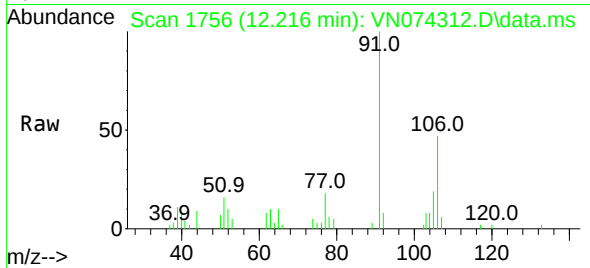
#69
o-Xylene
Concen: 0.741 ug/l
RT: 12.216 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

Instrument :
MSVOA_N
ClientSampleId :
MW-16R

Tgt Ion:106 Resp: 703
Ion Ratio Lower Upper
106 100
91 216.2 106.0 318.0

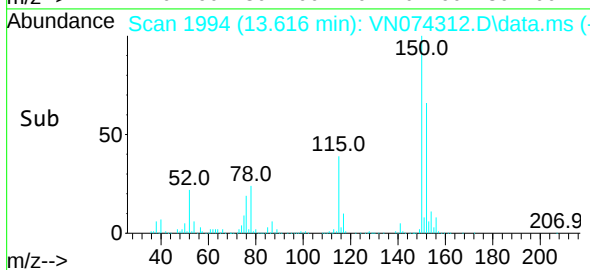
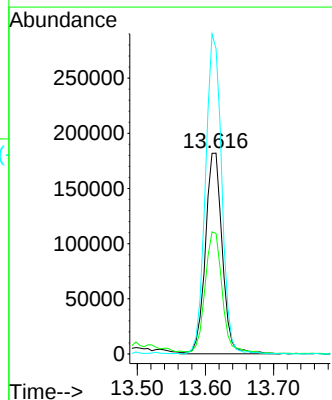
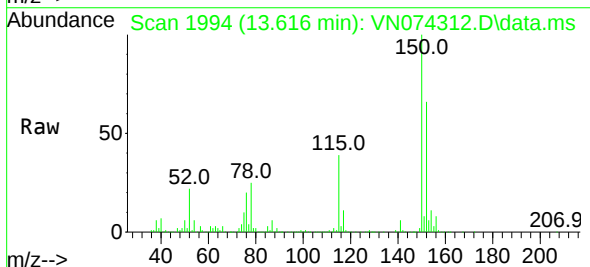
Manual Integrations
APPROVED

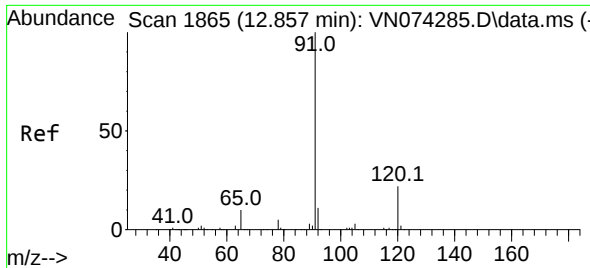
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

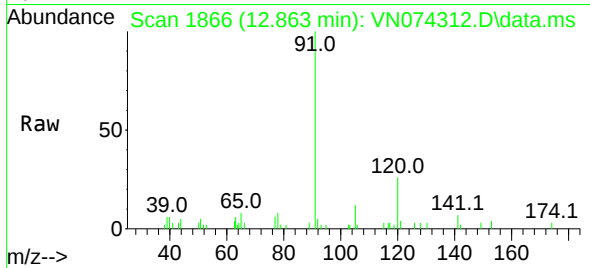
Tgt Ion:152 Resp: 313850
Ion Ratio Lower Upper
152 100
115 62.0 28.9 86.7
150 153.1 0.0 356.2





#78
n-propylbenzene
Concen: 0.523 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

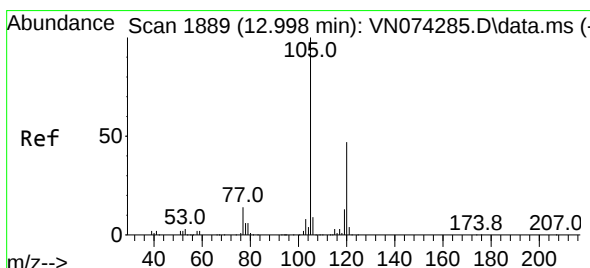
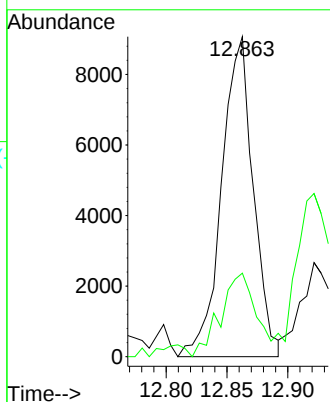
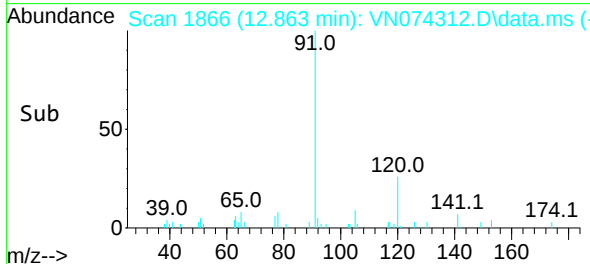
Instrument :
MSVOA_N
ClientSampleId :
MW-16R



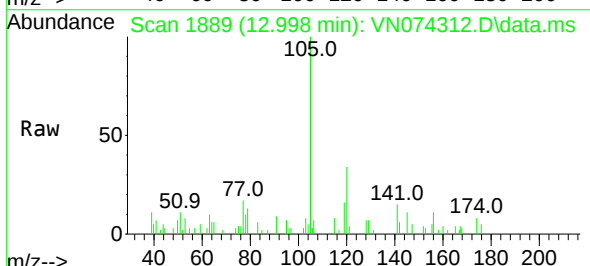
Tgt Ion: 91 Resp: 1642
Ion Ratio Lower Upper
91 100
120 28.9 11.9 35.5

Manual Integrations
APPROVED

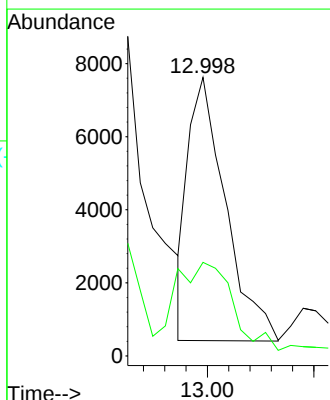
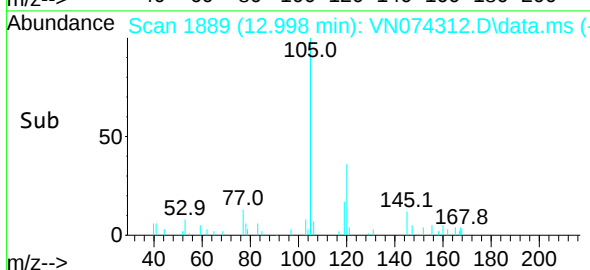
Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022

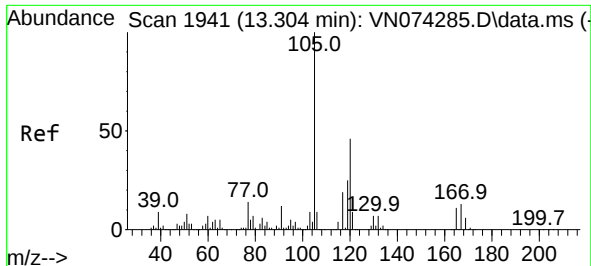


#80
1,3,5-Trimethylbenzene
Concen: 0.400 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.000 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16



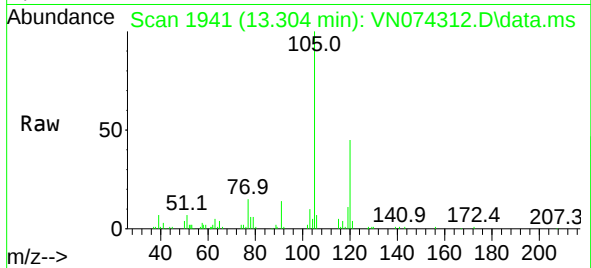
Tgt Ion:105 Resp: 8804
Ion Ratio Lower Upper
105 100
120 58.7 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 2.673 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16

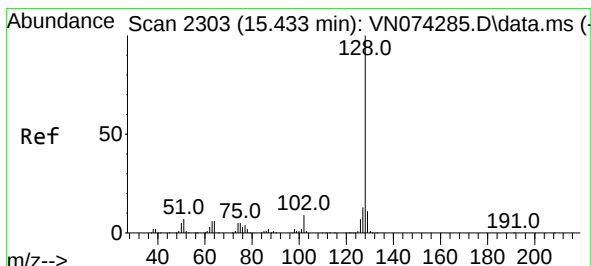
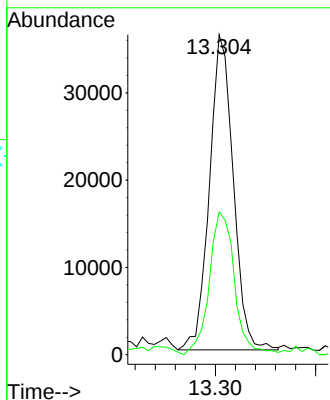
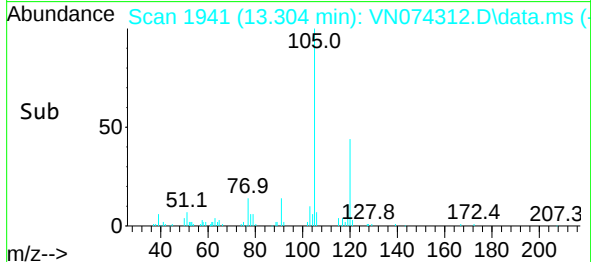
Instrument :
MSVOA_N
ClientSampleId :
MW-16R



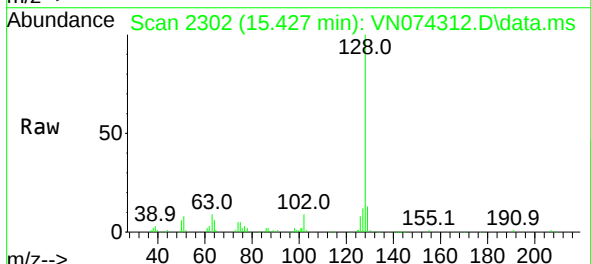
Tgt Ion:105 Resp: 5966
Ion Ratio Lower Upper
105 100
120 47.8 23.3 69.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/03/2022
Supervised By :Mahesh Dadoda 09/06/2022



#95
Naphthalene
Concen: 7.569 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN074312.D
Acq: 03 Sep 2022 02:16



Tgt Ion:128 Resp: 156992
Ion Ratio Lower Upper
128 100
127 14.6 10.3 15.5
129 12.5 8.6 13.0

