

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074531.D
 Acq On : 17 Sep 2022 00:30
 Operator : JC\MD
 Sample : N4549-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-48

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2022
 Supervised By : Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 06:17:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	297699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	585809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	572128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	257253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	232601	46.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.100%		
35) Dibromofluoromethane	7.957	113	192960	49.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.180%		
50) Toluene-d8	10.381	98	715891	47.569	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.140%		
62) 4-Bromofluorobenzene	12.674	95	277874	53.910	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.820%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.775	74	9740	2.966	ug/l	77
11) Tert butyl alcohol	5.275	59	112511	68.377	ug/l	100
16) Acetone	4.246	43	9905m	3.064	ug/l	
19) Methyl tert-butyl Ether	5.534	73	147890	8.950	ug/l	99
22) Diisopropyl ether	6.416	45	42581	2.265	ug/l #	89
29) Tetrahydrofuran	7.622	42	13962	3.957	ug/l #	81
31) Cyclohexane	8.022	56	25143	2.804	ug/l #	81
52) Toluene	10.445	92	3918	0.314	ug/l	90
68) m/p-Xylenes	11.892	106	5462	0.560	ug/l	75
73) Isopropylbenzene	12.522	105	146035	5.544	ug/l	99
78) n-propylbenzene	12.863	91	151819	4.839	ug/l	89
85) sec-Butylbenzene	13.445	105	23775	0.886	ug/l #	73

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

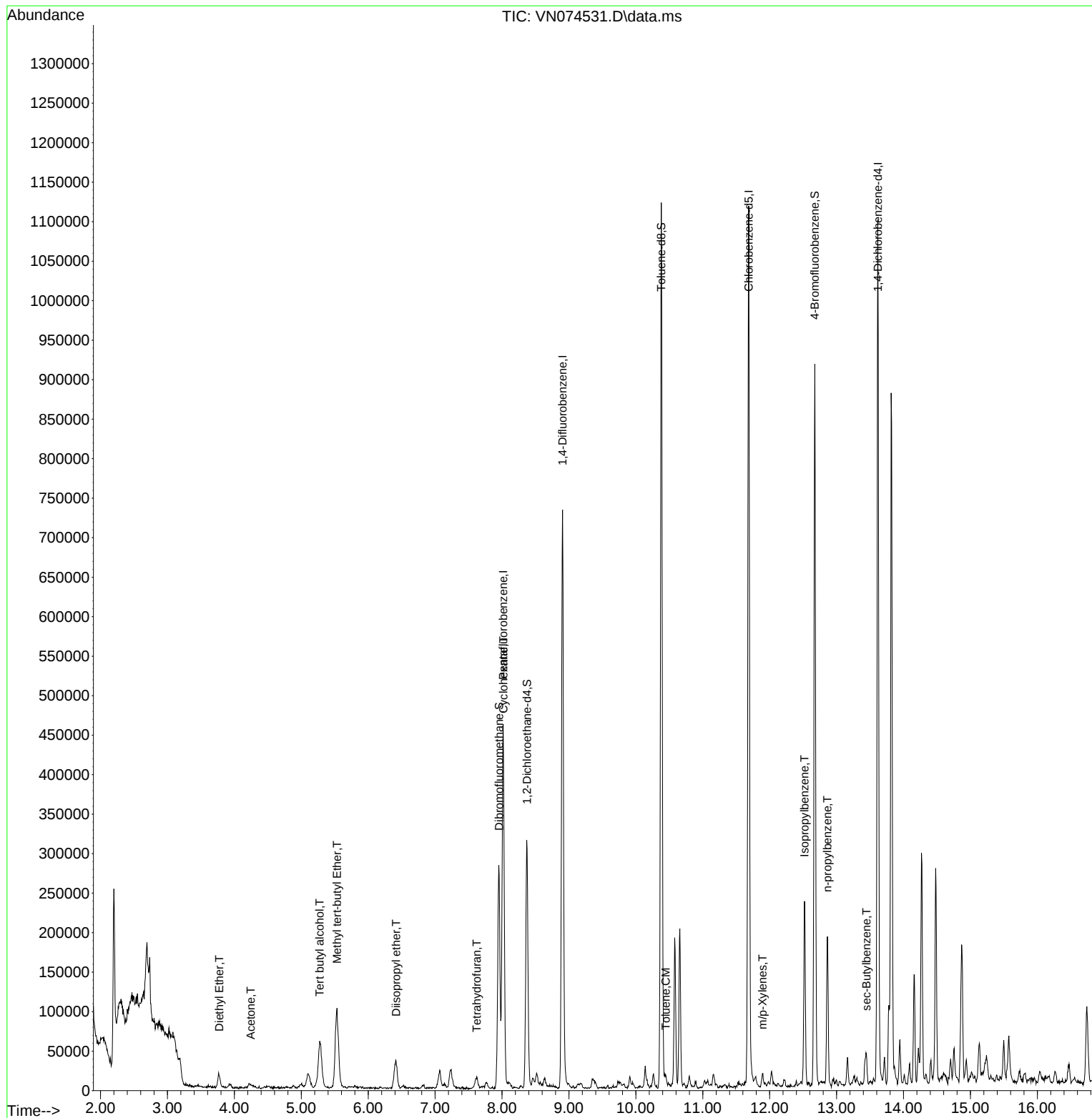
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
Data File : VN074531.D
Acq On : 17 Sep 2022 00:30
Operator : JC\MD
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ALS Vial : 37 Sample Multiplier: 1

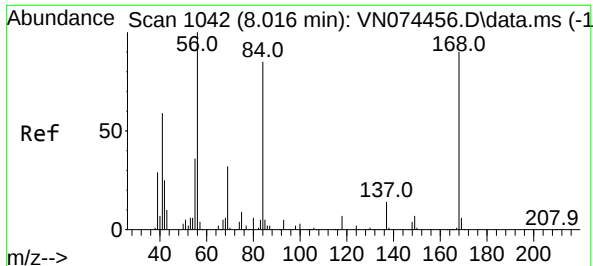
Instrument :
MSVOA_N
ClientSampleId :
MW-48

Quant Time: Sep 17 06:17:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
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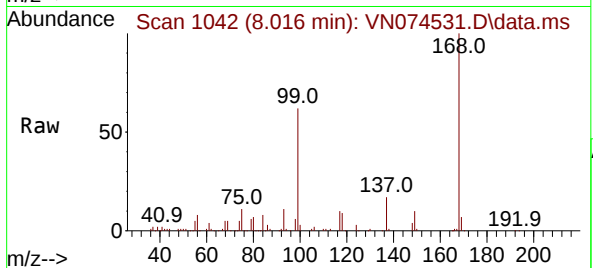
Reviewed By :John Carlone 09/17/2022
Supervised By :Mahesh Dadoda 09/19/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074531.D
Acq: 17 Sep 2022 00:30

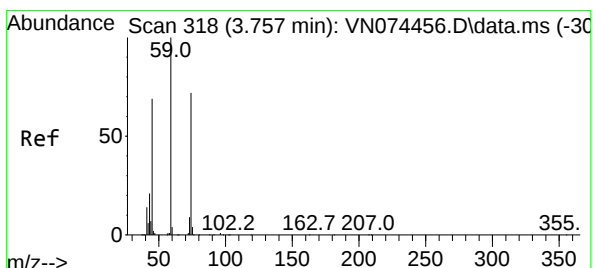
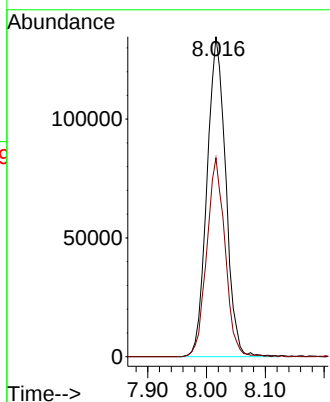
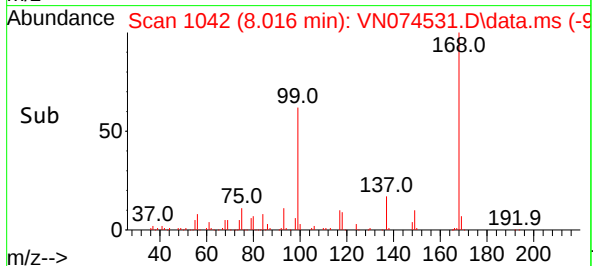
Instrument :
MSVOA_N
ClientSampleId :
MW-48



Tgt Ion:168 Resp: 297699
Ion Ratio Lower Upper
168 100
99 62.1 42.3 63.5

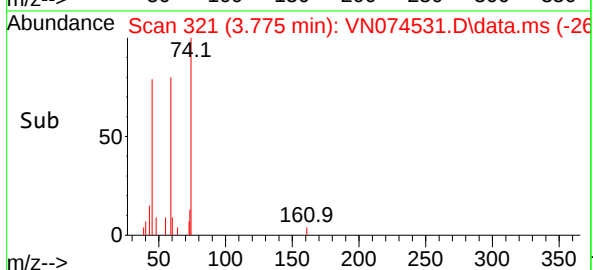
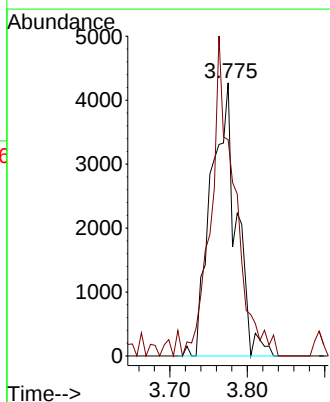
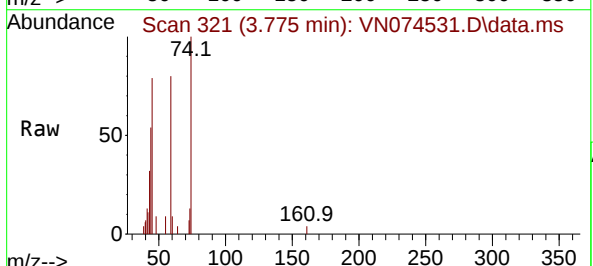
Manual Integrations
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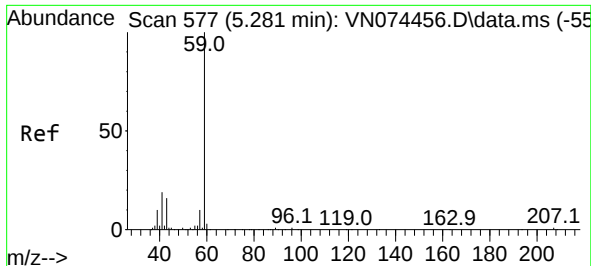
Reviewed By :John Carlone 09/17/2022
Supervised By :Mahesh Dadoda 09/19/2022



#8
Diethyl Ether
Concen: 2.966 ug/l
RT: 3.775 min Scan# 321
Delta R.T. 0.018 min
Lab File: VN074531.D
Acq: 17 Sep 2022 00:30

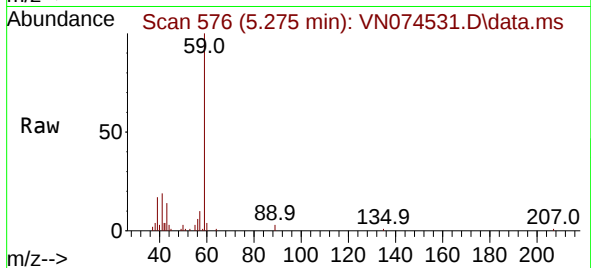
Tgt Ion: 74 Resp: 9740
Ion Ratio Lower Upper
74 100
45 107.1 42.9 128.5





#11
Tert butyl alcohol
Concen: 68.377 ug/l
RT: 5.275 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074531.D
Acq: 17 Sep 2022 00:30

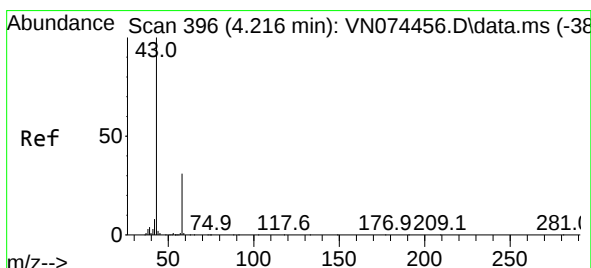
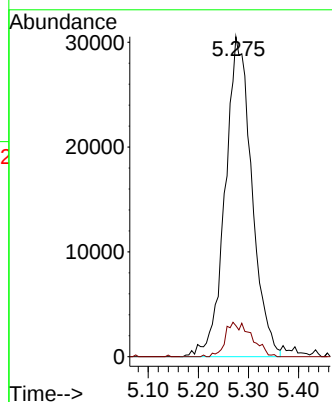
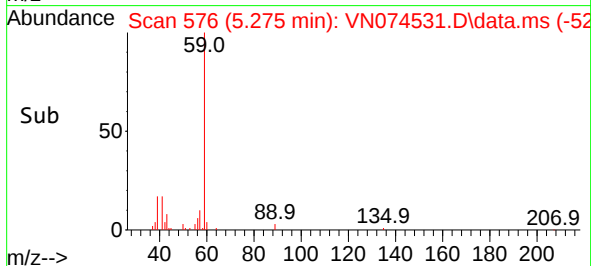
Instrument :
MSVOA_N
ClientSampleId :
MW-48



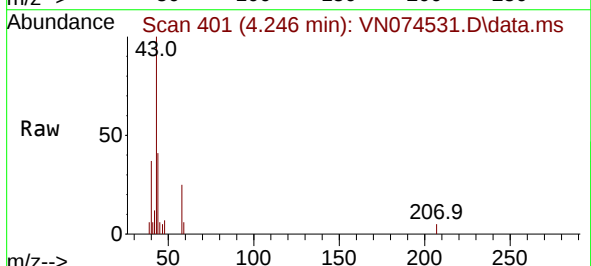
Tgt Ion: 59 Resp: 11251
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

Manual Integrations
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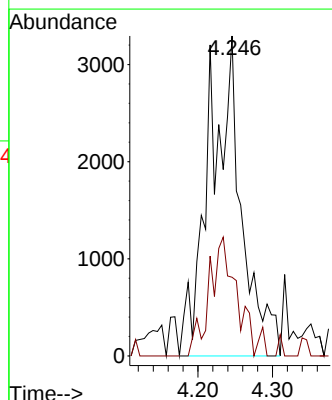
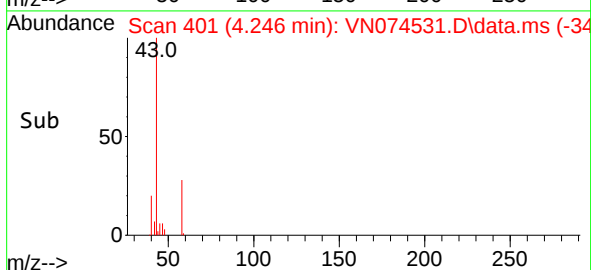
Reviewed By :John Carlone 09/17/2022
Supervised By :Mahesh Dadoda 09/19/2022

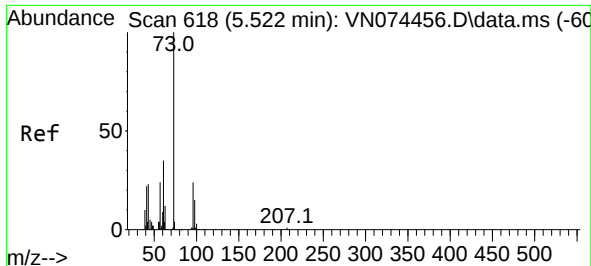


#16
Acetone
Concen: 3.064 ug/l m
RT: 4.246 min Scan# 401
Delta R.T. 0.030 min
Lab File: VN074531.D
Acq: 17 Sep 2022 00:30



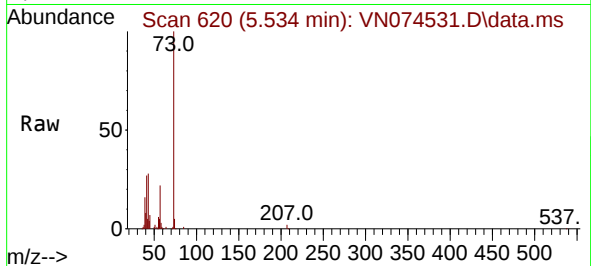
Tgt Ion: 43 Resp: 9905
Ion Ratio Lower Upper
43 100
58 24.6 26.0 39.0#





#19
Methyl tert-butyl Ether
Concen: 8.950 ug/l
RT: 5.534 min Scan# 618
Delta R.T. 0.012 min
Lab File: VN074531.D
Acq: 17 Sep 2022 00:30

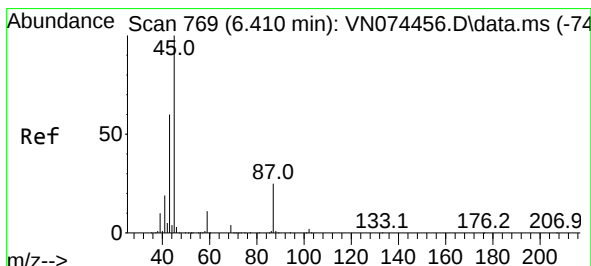
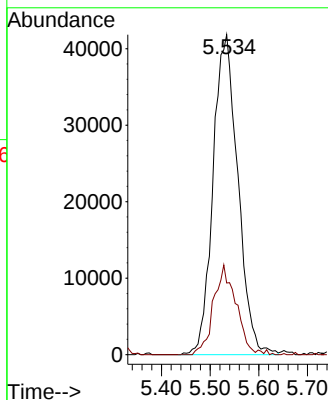
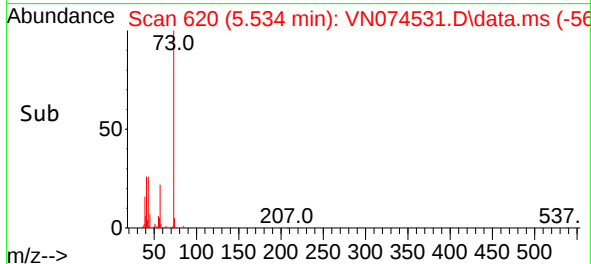
Instrument :
MSVOA_N
ClientSampleId :
MW-48



Tgt Ion: 73 Resp: 147890
Ion Ratio Lower Upper
73 100
57 22.4 17.6 26.4

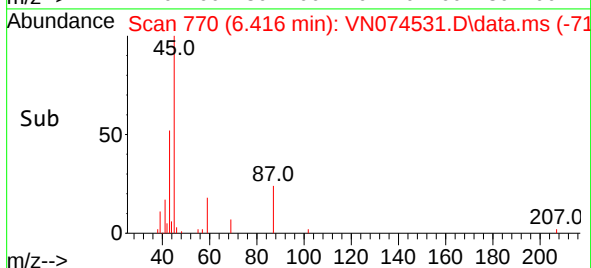
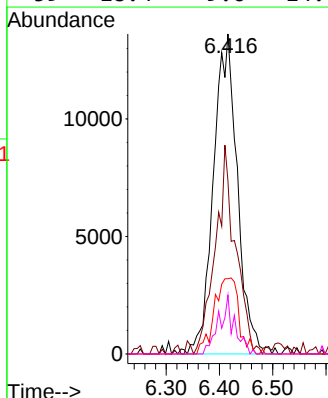
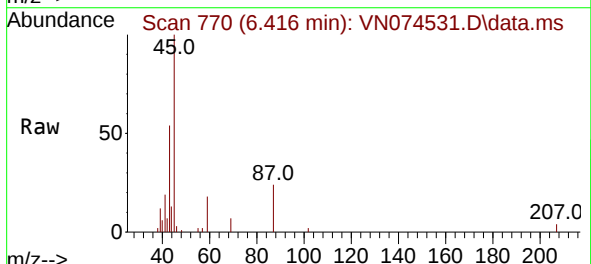
Manual Integrations
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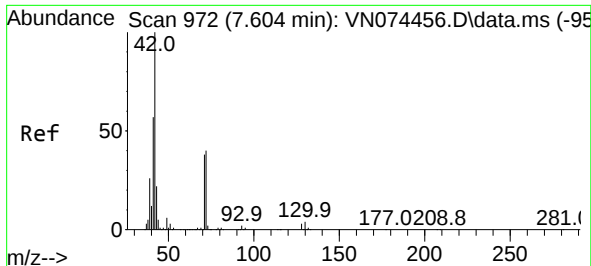
Reviewed By :John Carlone 09/17/2022
Supervised By :Mahesh Dadoda 09/19/2022



#22
Diisopropyl ether
Concen: 2.265 ug/l
RT: 6.416 min Scan# 770
Delta R.T. 0.006 min
Lab File: VN074531.D
Acq: 17 Sep 2022 00:30

Tgt Ion: 45 Resp: 42581
Ion Ratio Lower Upper
45 100
43 51.3 46.6 70.0
87 23.5 24.3 36.5#
59 18.4 9.6 14.4#





#29

Tetrahydrofuran

Concen: 3.957 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN074531.D

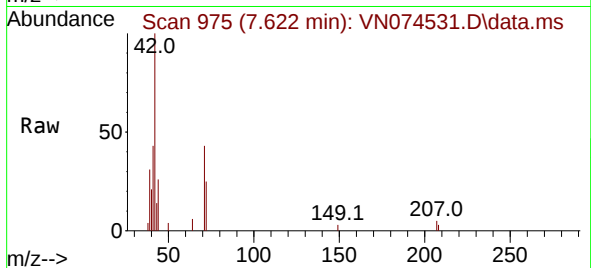
Acq: 17 Sep 2022 00:30

Instrument :

MSVOA_N

ClientSampleId :

MW-48



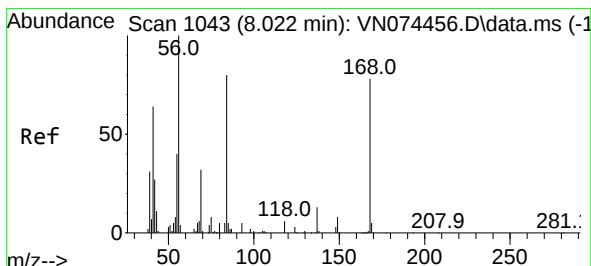
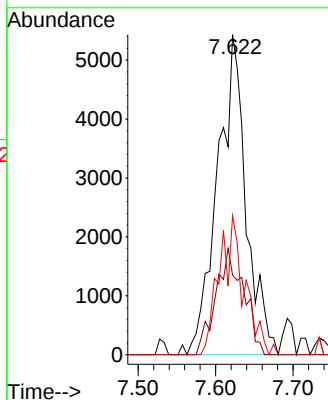
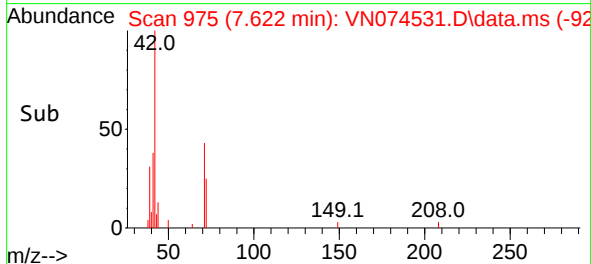
Tgt Ion:	42	Resp:	1396
Ion Ratio	Lower	Upper	
42	100		
72	32.2	39.7	59.5
71	38.1	36.6	55.0

Manual Integrations

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#31

Cyclohexane

Concen: 2.804 ug/l

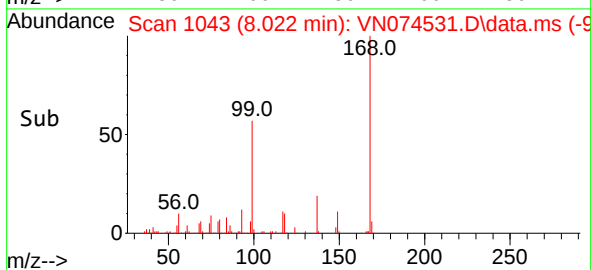
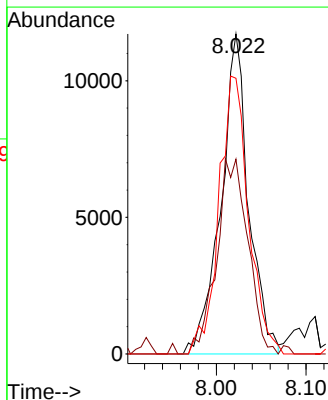
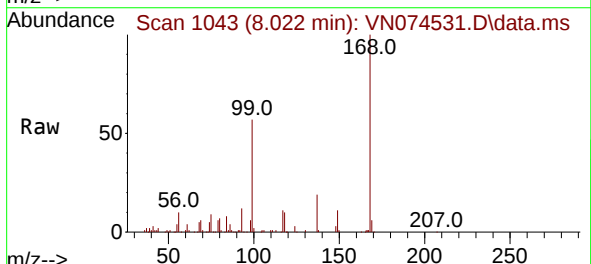
RT: 8.022 min Scan# 1043

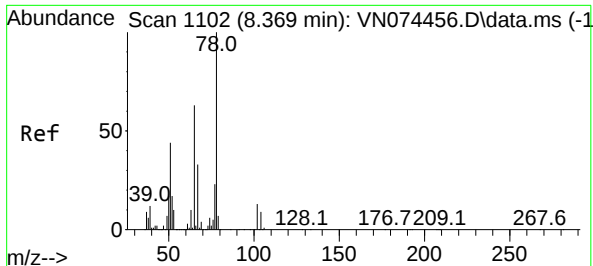
Delta R.T. -0.000 min

Lab File: VN074531.D

Acq: 17 Sep 2022 00:30

Tgt Ion:	56	Resp:	25143
Ion Ratio	Lower	Upper	
56	100		
69	60.8	27.8	41.8
84	86.1	76.9	115.3





#33

1,2-Dichloroethane-d4

Concen: 46.049 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074531.D

Acq: 17 Sep 2022 00:30

Instrument :

MSVOA_N

ClientSampleId :

MW-48

Tgt Ion: 65 Resp: 23260

Ion Ratio Lower Upper

65 100

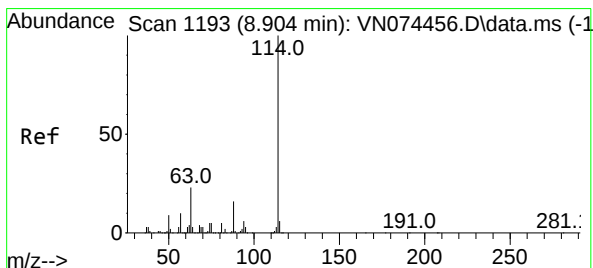
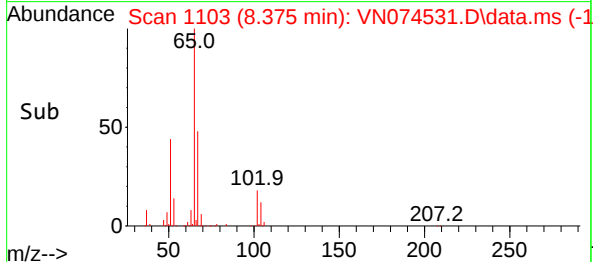
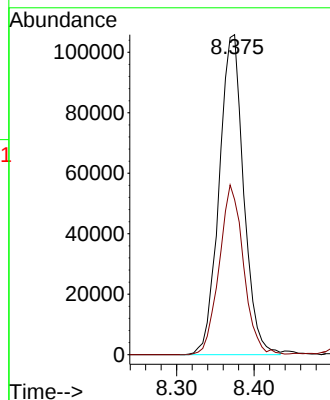
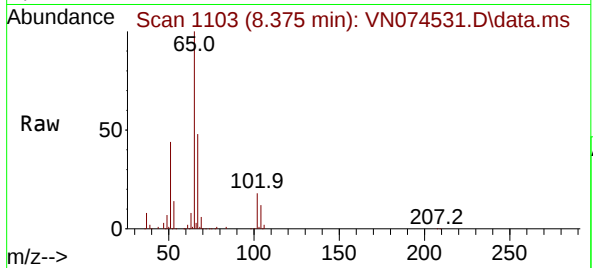
67 52.6 0.0 104.8

Manual Integrations

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Reviewed By :John Carlone 09/17/2022

Supervised By :Mahesh Dadoda 09/19/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074531.D

Acq: 17 Sep 2022 00:30

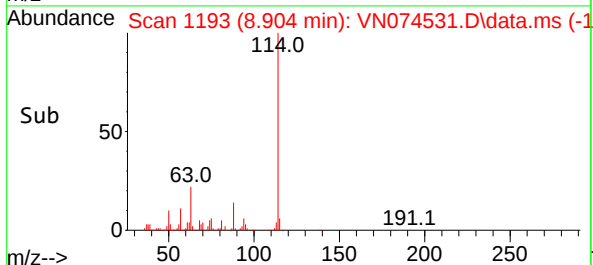
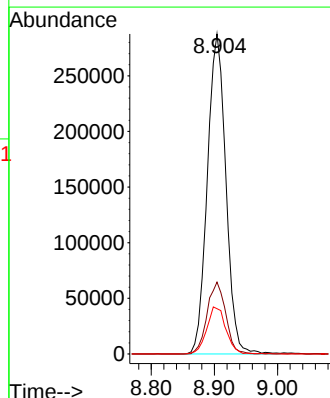
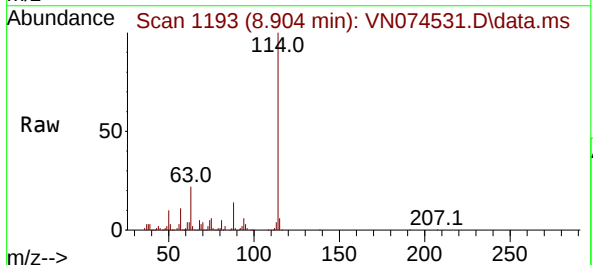
Tgt Ion:114 Resp: 585809

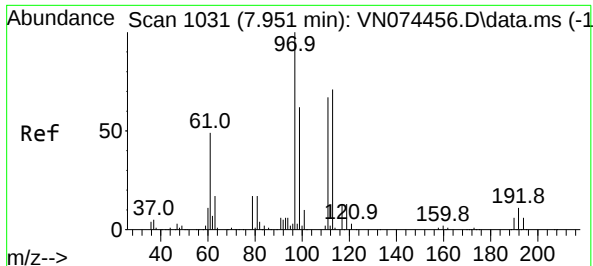
Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.0

88 14.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.586 ug/l

RT: 7.957 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VN074531.D

Acq: 17 Sep 2022 00:30

Instrument :

MSVOA_N

ClientSampleId :

MW-48

Tgt Ion:113 Resp: 192960

Ion Ratio Lower Upper

113 100

111 106.0 81.4 122.0

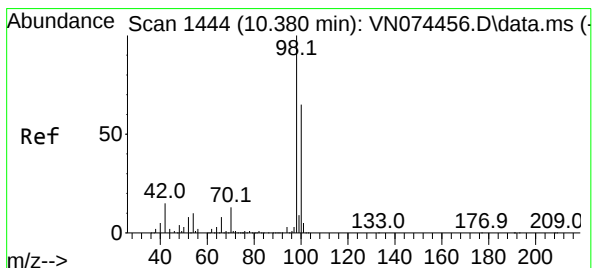
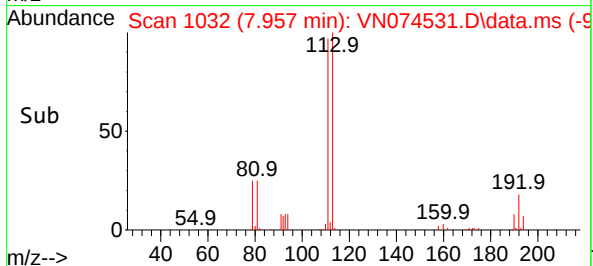
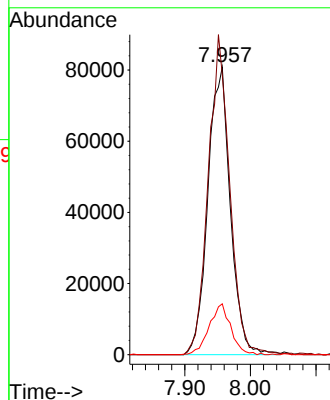
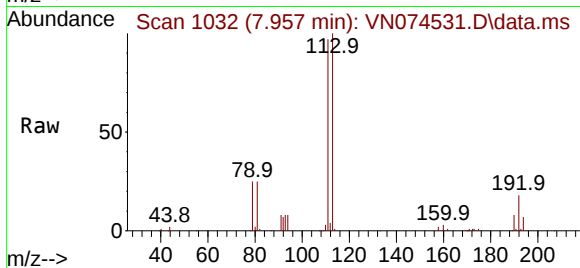
192 17.1 17.0 25.6

Manual Integrations

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Reviewed By :John Carlone 09/17/2022

Supervised By :Mahesh Dadoda 09/19/2022



#50

Toluene-d8

Concen: 47.569 ug/l

RT: 10.381 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN074531.D

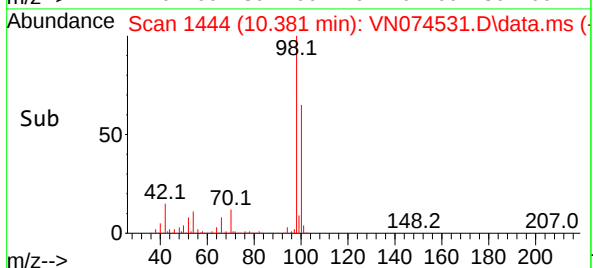
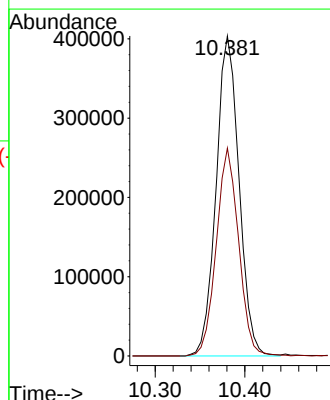
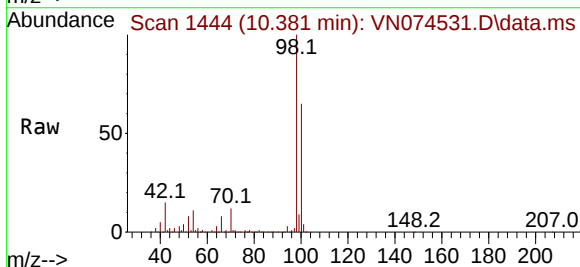
Acq: 17 Sep 2022 00:30

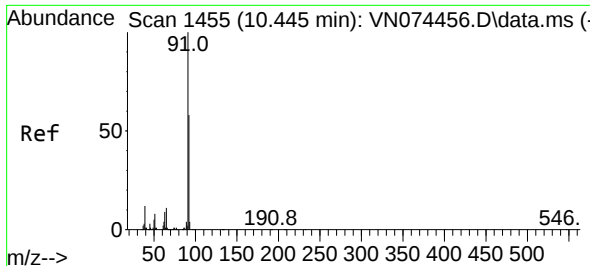
Tgt Ion: 98 Resp: 715891

Ion Ratio Lower Upper

98 100

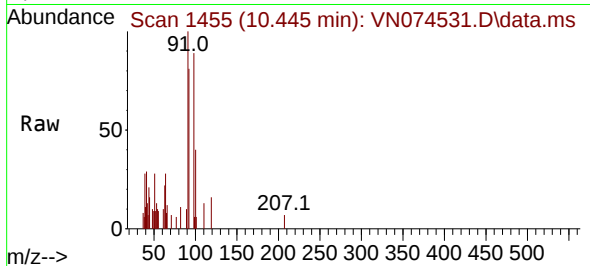
100 63.4 52.6 78.8





#52
Toluene
Concen: 0.314 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074531.D
Acq: 17 Sep 2022 00:30

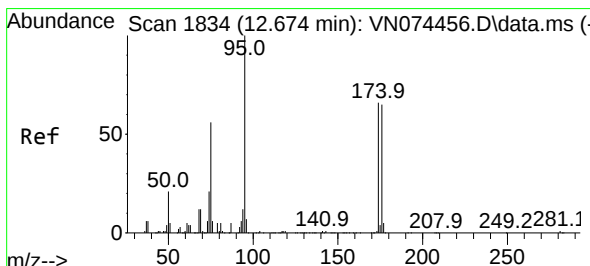
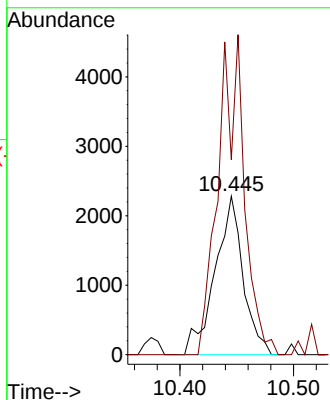
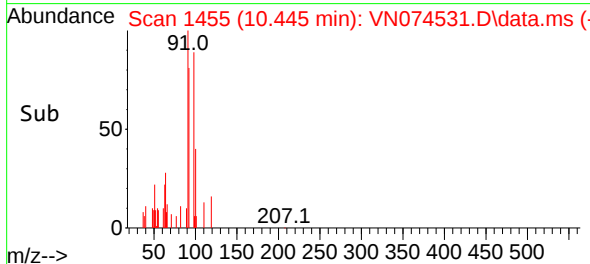
Instrument :
MSVOA_N
ClientSampleId :
MW-48



Tgt Ion: 92 Resp: 3918
Ion Ratio Lower Upper
92 100
91 186.6 138.6 207.8

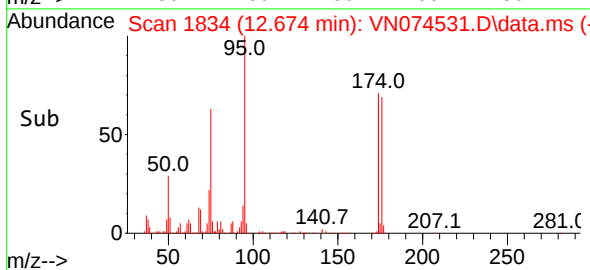
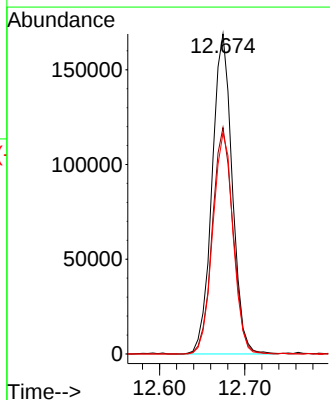
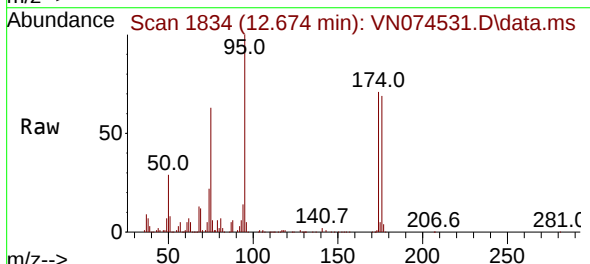
Manual Integrations
APPROVED

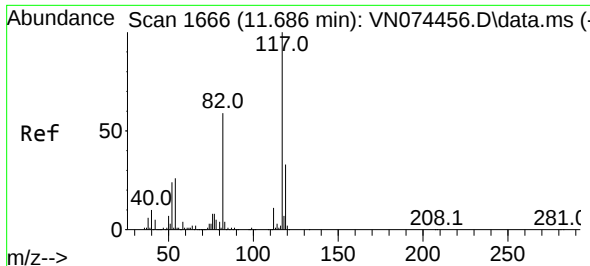
Reviewed By :John Carlone 09/17/2022
Supervised By :Mahesh Dadoda 09/19/2022



#62
4-Bromofluorobenzene
Concen: 53.910 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074531.D
Acq: 17 Sep 2022 00:30

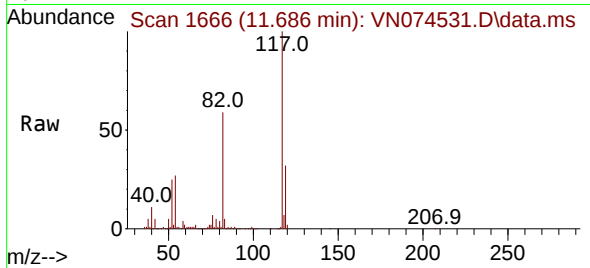
Tgt Ion: 95 Resp: 277874
Ion Ratio Lower Upper
95 100
174 72.8 0.0 167.6
176 69.8 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074531.D
Acq: 17 Sep 2022 00:30

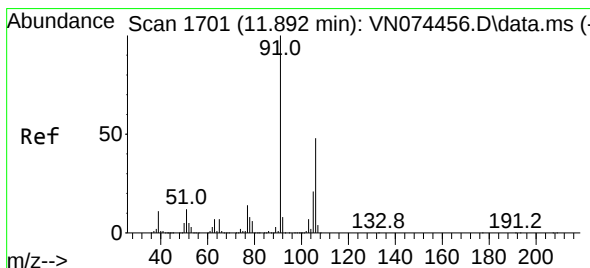
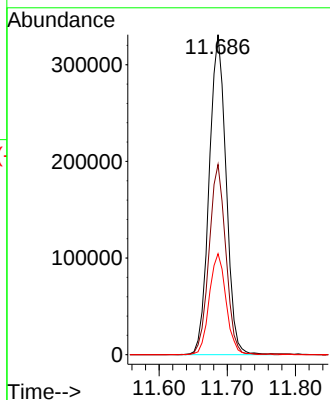
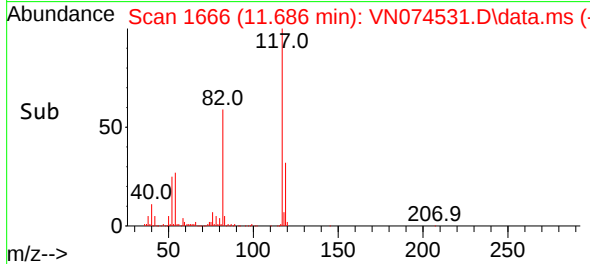
Instrument :
MSVOA_N
ClientSampleId :
MW-48



Tgt Ion:117 Resp: 572128
Ion Ratio Lower Upper
117 100
82 59.5 44.2 66.2
119 31.5 25.4 38.0

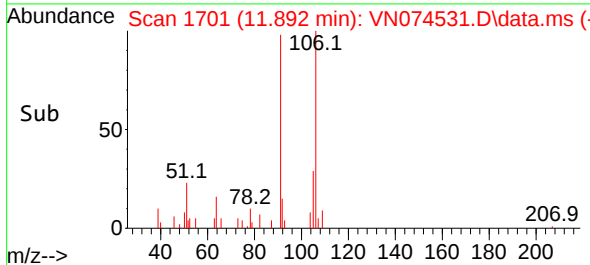
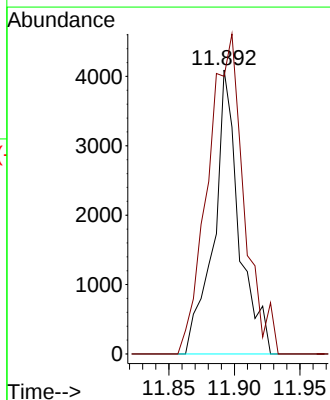
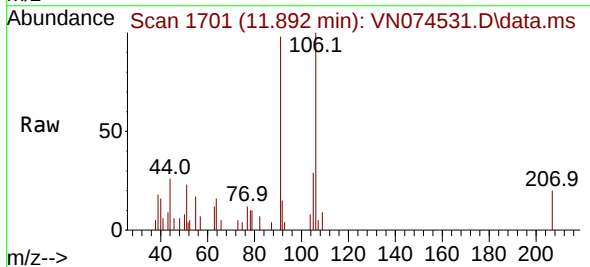
Manual Integrations
APPROVED

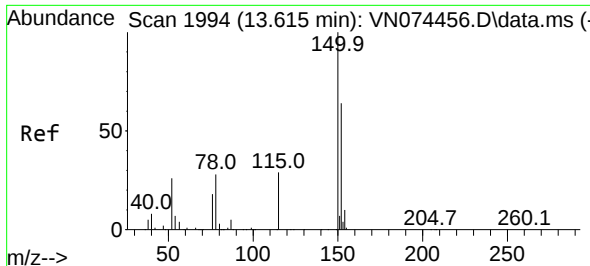
Reviewed By :John Carlone 09/17/2022
Supervised By :Mahesh Dadoda 09/19/2022



#68
m/p-Xylenes
Concen: 0.560 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074531.D
Acq: 17 Sep 2022 00:30

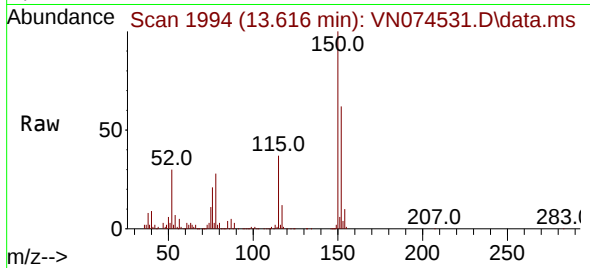
Tgt Ion:106 Resp: 5462
Ion Ratio Lower Upper
106 100
91 160.8 158.9 238.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.001 min
 Lab File: VN074531.D
 Acq: 17 Sep 2022 00:30

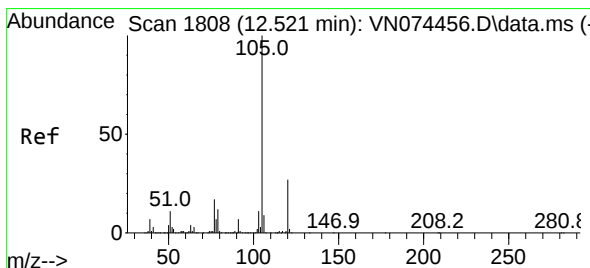
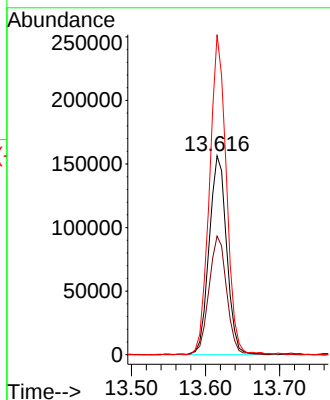
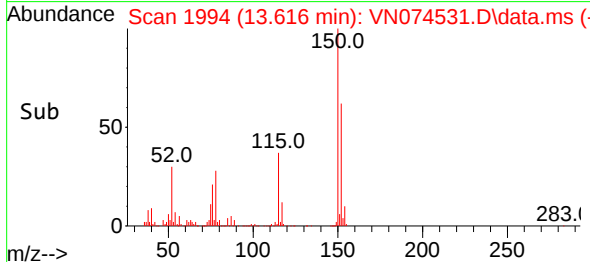
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-48



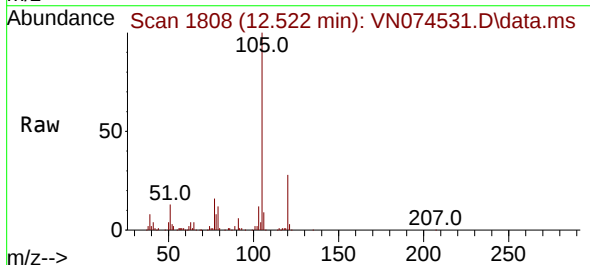
Tgt Ion:152 Resp: 25725
 Ion Ratio Lower Upper
 152 100
 115 60.0 28.9 86.7
 150 154.8 0.0 356.2

Manual Integrations
 APPROVED

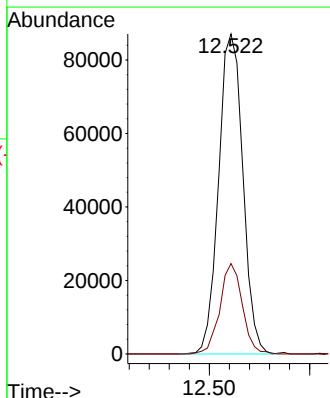
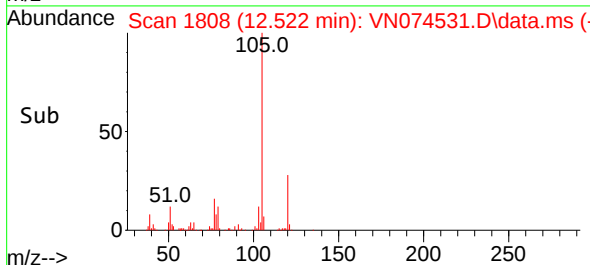
Reviewed By :John Carlone 09/17/2022
 Supervised By :Mahesh Dadoda 09/19/2022

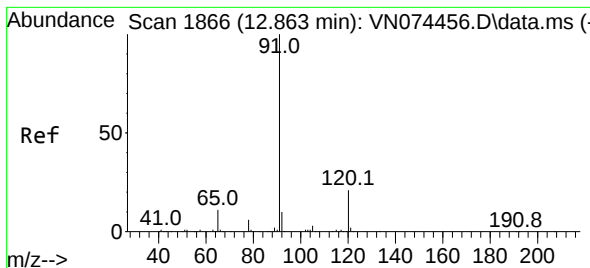


#73
 Isopropylbenzene
 Concen: 5.544 ug/l
 RT: 12.522 min Scan# 1808
 Delta R.T. 0.001 min
 Lab File: VN074531.D
 Acq: 17 Sep 2022 00:30



Tgt Ion:105 Resp: 146035
 Ion Ratio Lower Upper
 105 100
 120 26.1 13.5 40.4





#78

n-propylbenzene

Concen: 4.839 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. -0.000 min

Lab File: VN074531.D

Acq: 17 Sep 2022 00:30

Instrument :

MSVOA_N

ClientSampleId :

MW-48

Tgt Ion: 91 Resp: 151819

Ion Ratio Lower Upper

91 100

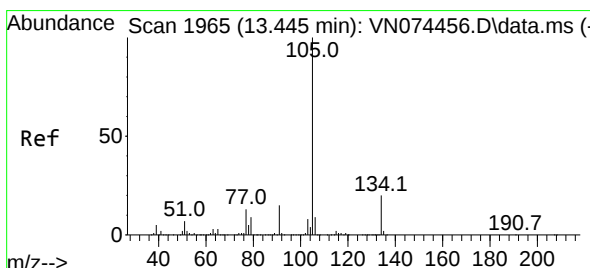
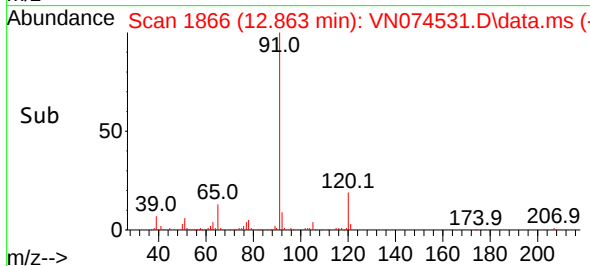
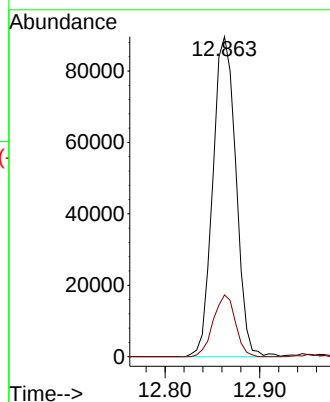
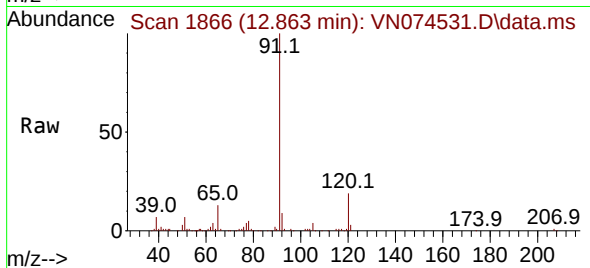
120 18.5 11.9 35.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2022

Supervised By :Mahesh Dadoda 09/19/2022



#85

sec-Butylbenzene

Concen: 0.886 ug/l

RT: 13.445 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VN074531.D

Acq: 17 Sep 2022 00:30

Tgt Ion:105 Resp: 23775

Ion Ratio Lower Upper

105 100

134 33.2 10.4 31.1#

