

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080422\
 Data File : VN073748.D
 Acq On : 04 Aug 2022 20:02
 Operator : JC\MD
 Sample : N4029-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 INF0822

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/05/2022
 Supervised By : Mahesh Dadoda 08/05/2022

Quant Time: Aug 05 00:33:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.022	168	454336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	697874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	671656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	372922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	245873	44.407	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.820%		
35) Dibromofluoromethane	7.951	113	229212	52.305	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.620%		
50) Toluene-d8	10.380	98	795987	46.159	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.320%		
62) 4-Bromofluorobenzene	12.674	95	325011	55.281	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.560%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.292	59	23952	20.059	ug/l #	72
16) Acetone	4.187	43	67235	22.609	ug/l #	52
22) Diisopropyl ether	6.416	45	18345	1.234	ug/l #	85
25) 2-Butanone	7.263	43	8974	1.943	ug/l #	74
31) Cyclohexane	8.022	56	379773	46.071	ug/l	99
39) Methylcyclohexane	9.398	83	190933	25.582	ug/l	98
40) Benzene	8.392	78	6591993	325.024	ug/l	100
52) Toluene	10.445	92	546640	44.126	ug/l	99
67) Ethyl Benzene	11.786	91	4818323	200.193	ug/l	99
68) m/p-Xylenes	11.898	106	5306948	578.120	ug/l	98
69) o-Xylene	12.221	106	789678	88.237	ug/l	99
73) Isopropylbenzene	12.521	105	617183	22.608	ug/l	100
78) n-propylbenzene	12.863	91	1275959	41.540	ug/l	100
80) 1,3,5-Trimethylbenzene	12.998	105	924356	41.146	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	4418354	200.016	ug/l	99
85) sec-Butylbenzene	13.439	105	50365m	1.831	ug/l	
86) p-Isopropyltoluene	13.557	119	22127	1.021	ug/l #	78
89) n-Butylbenzene	13.880	91	40077	2.272	ug/l #	70
95) Naphthalene	15.433	128	1831877	86.450	ug/l	100

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

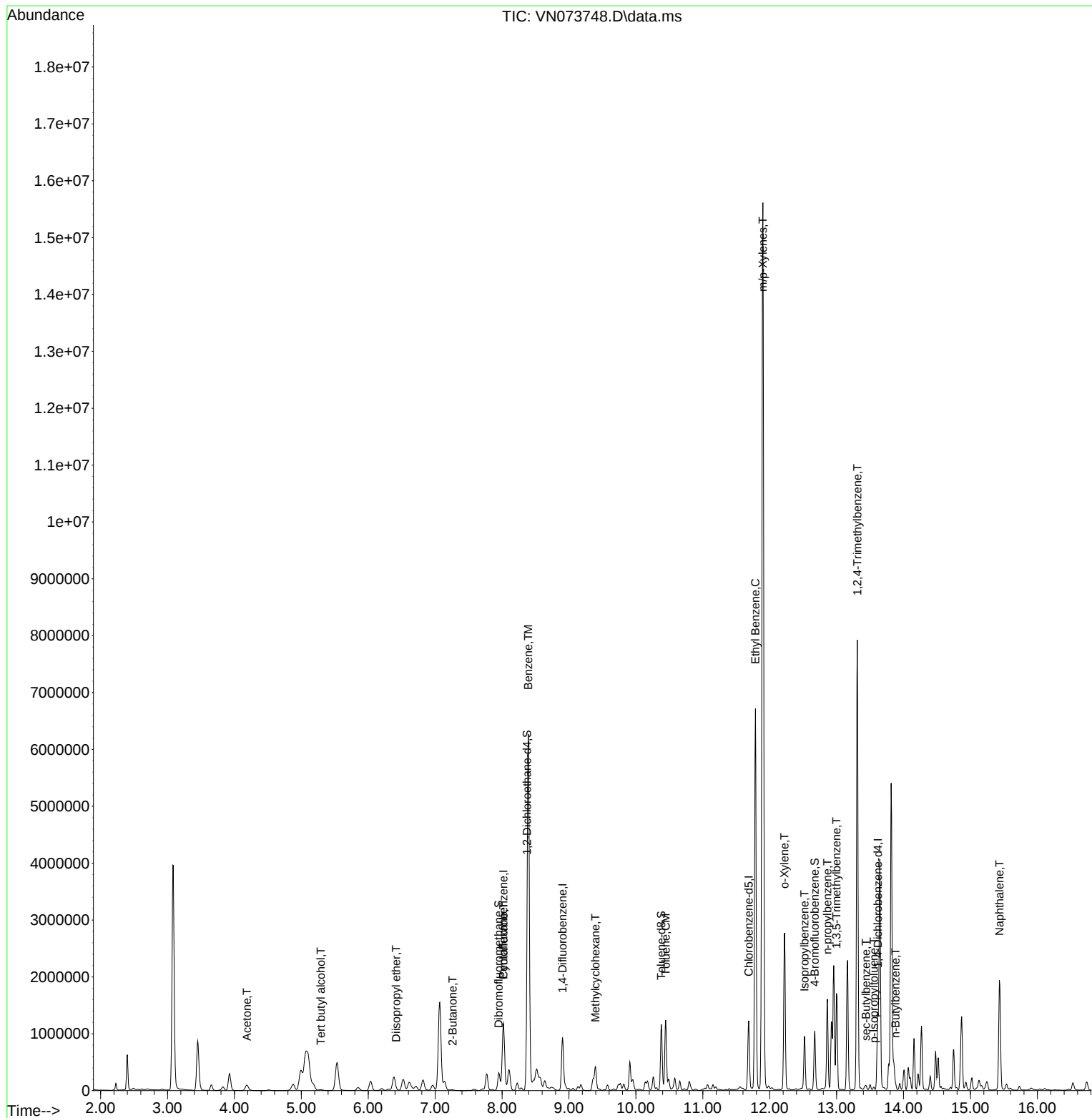
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080422\
Data File : VN073748.D
Acq On : 04 Aug 2022 20:02
Operator : JC\MD
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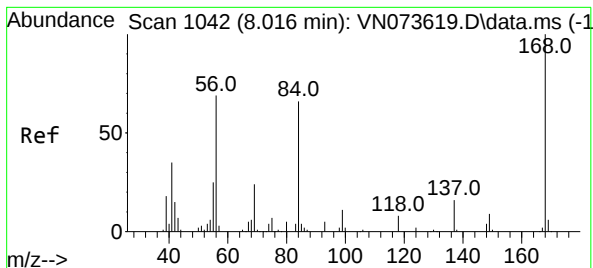
Instrument :
MSVOA_N
ClientSampleId :
INF0822

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Supervised By :Mahesh Dadoda 08/05/2022

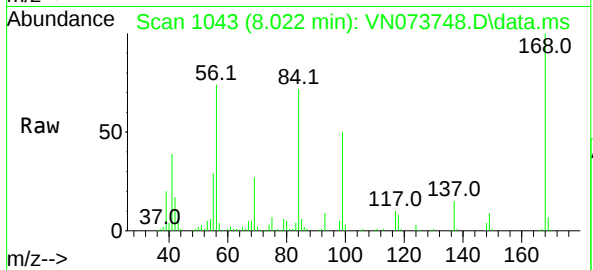
Quant Time: Aug 05 00:33:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

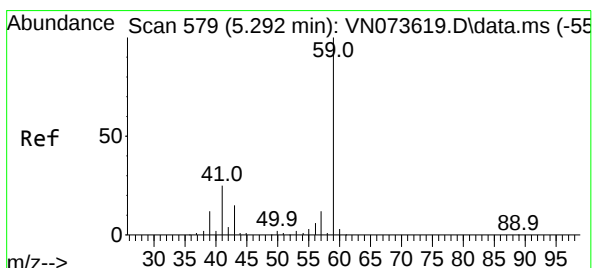
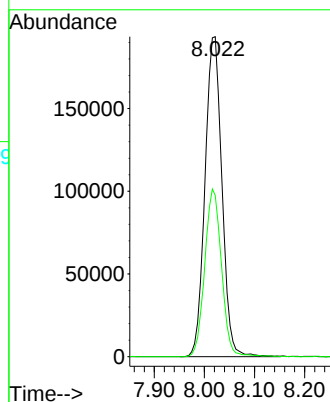
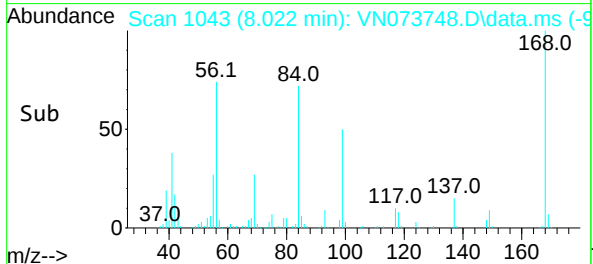
Instrument :
MSVOA_N
ClientSampleId :
INF0822



Tgt Ion:168 Resp: 454336
Ion Ratio Lower Upper
168 100
99 50.4 42.3 63.5

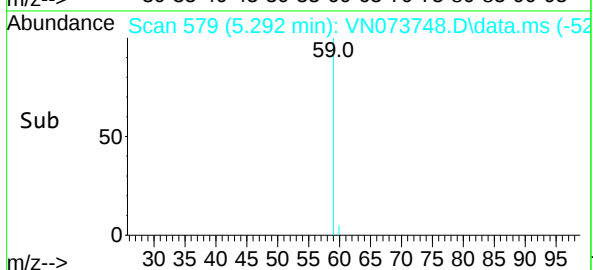
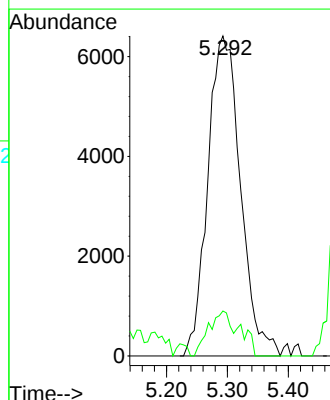
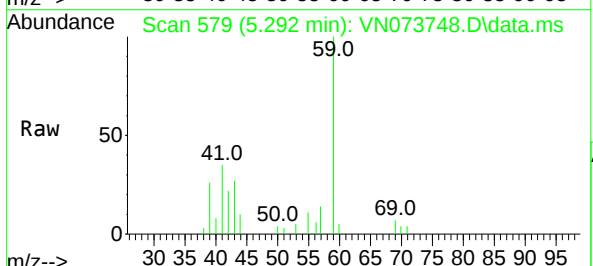
Manual Integrations
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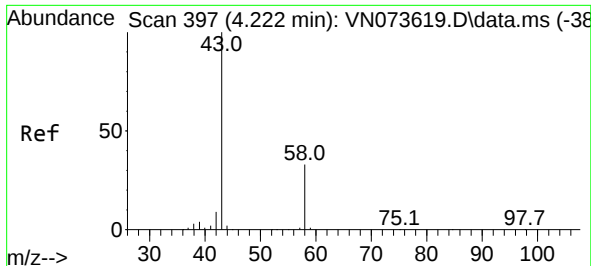
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#11
Tert butyl alcohol
Concen: 20.059 ug/l
RT: 5.292 min Scan# 579
Delta R.T. 0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

Tgt Ion: 59 Resp: 23952
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





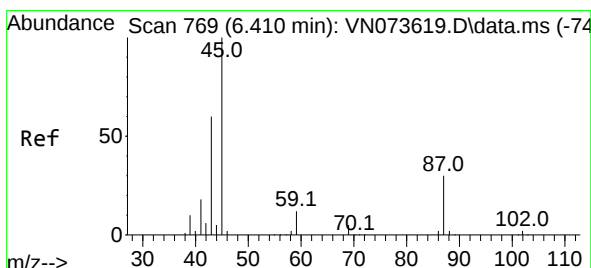
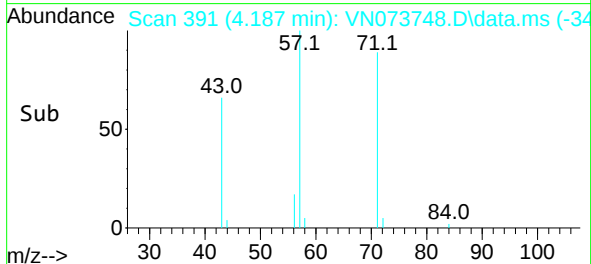
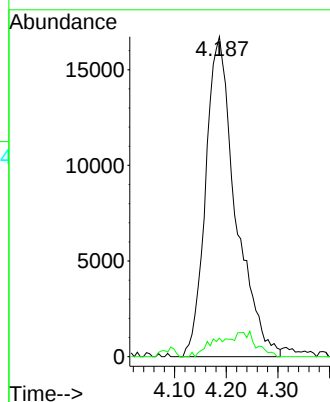
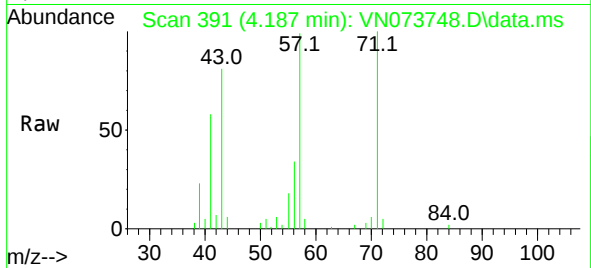
#16
Acetone
Concen: 22.609 ug/l
RT: 4.187 min Scan# 397
Delta R.T. -0.035 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 43 Resp: 67235
Ion Ratio Lower Upper
43 100
58 5.8 26.0 39.0

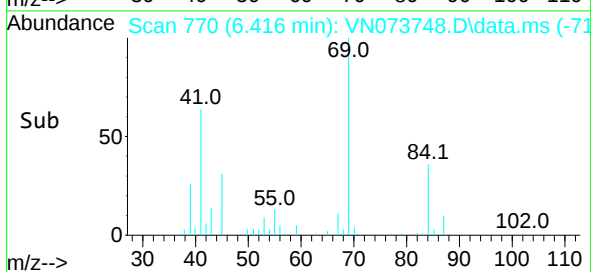
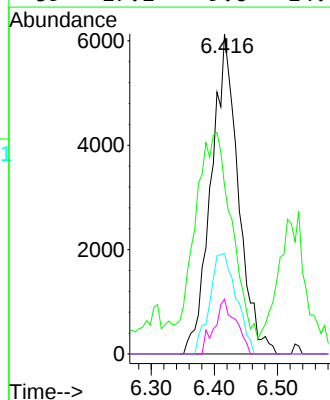
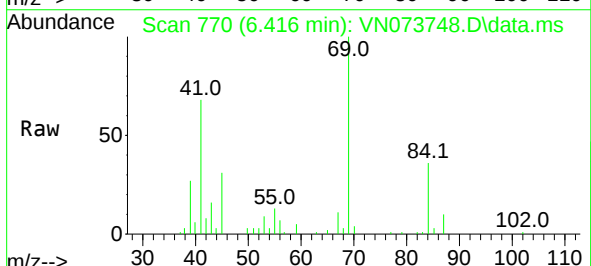
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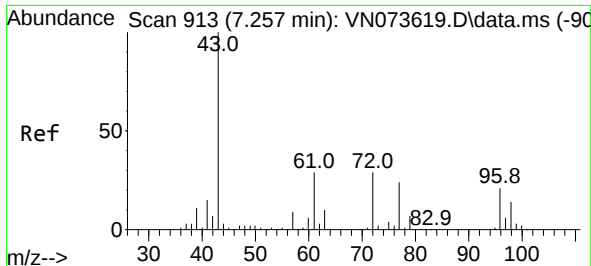
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#22
Diisopropyl ether
Concen: 1.234 ug/l
RT: 6.416 min Scan# 770
Delta R.T. 0.006 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

Tgt Ion: 45 Resp: 18345
Ion Ratio Lower Upper
45 100
43 42.2 46.6 70.0#
87 31.4 24.3 36.5
59 17.1 9.6 14.4#





#25

2-Butanone

Concen: 1.943 ug/l

RT: 7.263 min Scan# 913

Delta R.T. 0.006 min

Lab File: VN073748.D

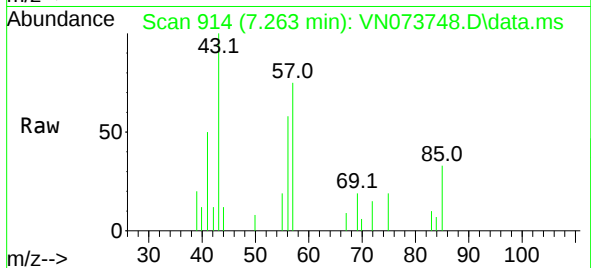
Acq: 04 Aug 2022 20:02

Instrument :

MSVOA_N

ClientSampleId :

INF0822



Tgt Ion: 43 Resp: 8974

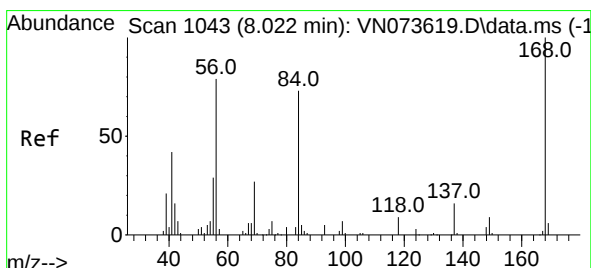
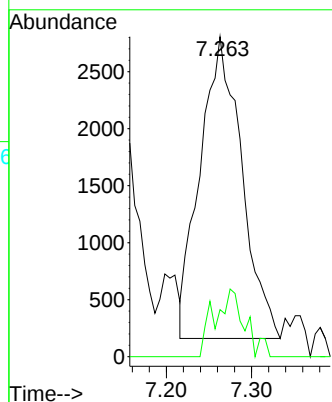
Ion	Ratio	Lower	Upper
43	100		
72	15.6	23.7	35.5

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Supervised By :Mahesh Dadoda 08/05/2022



#31

Cyclohexane

Concen: 46.071 ug/l

RT: 8.022 min Scan# 1043

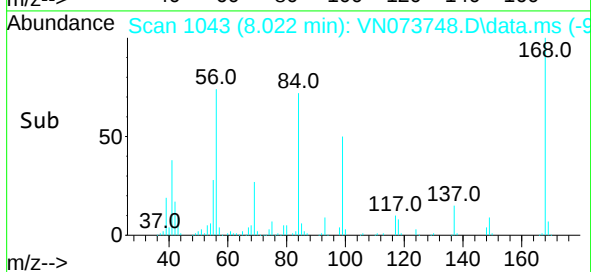
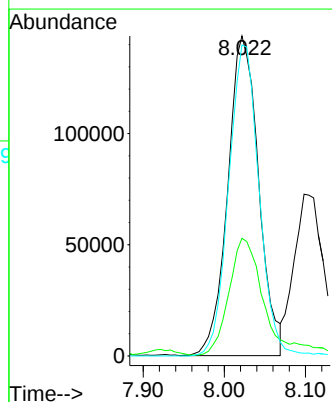
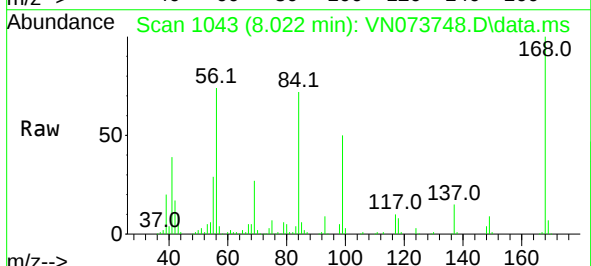
Delta R.T. -0.000 min

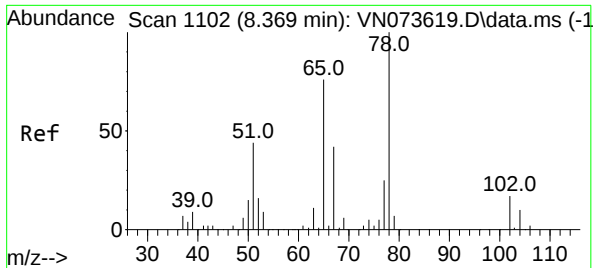
Lab File: VN073748.D

Acq: 04 Aug 2022 20:02

Tgt Ion: 56 Resp: 379773

Ion	Ratio	Lower	Upper
56	100		
69	35.8	27.8	41.8
84	97.3	76.9	115.3





#33

1,2-Dichloroethane-d4

Concen: 44.407 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073748.D

Acq: 04 Aug 2022 20:02

Instrument :

MSVOA_N

ClientSampleId :

INF0822

Tgt Ion: 65 Resp: 24587

Ion Ratio Lower Upper

65 100

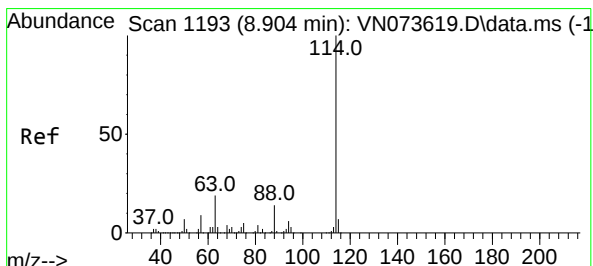
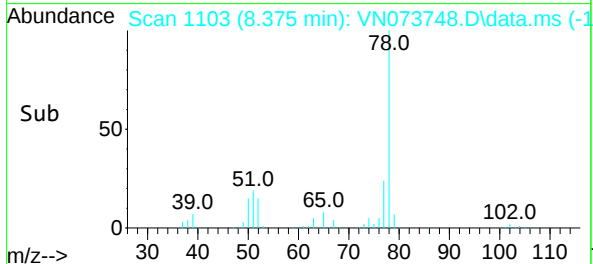
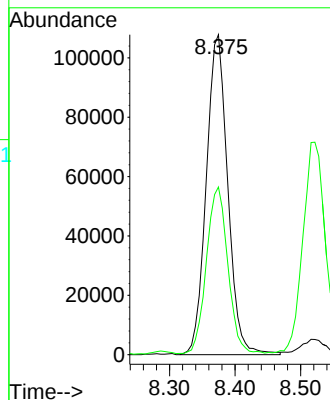
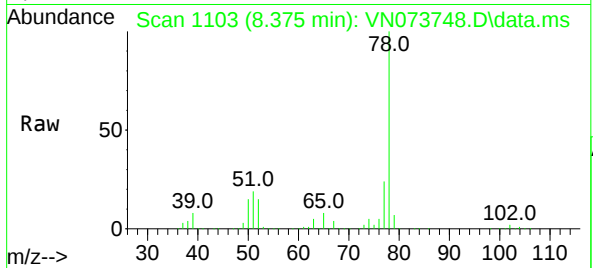
67 51.6 0.0 104.8

Manual Integrations

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Supervised By :Mahesh Dadoda 08/05/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073748.D

Acq: 04 Aug 2022 20:02

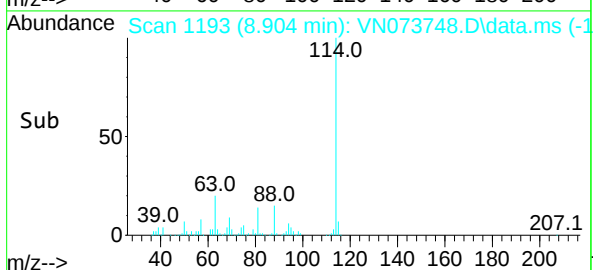
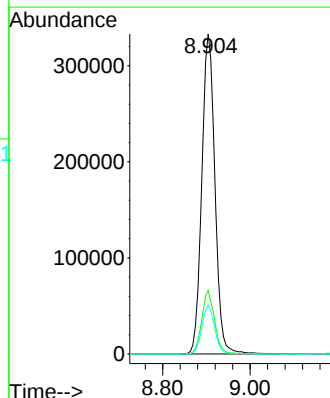
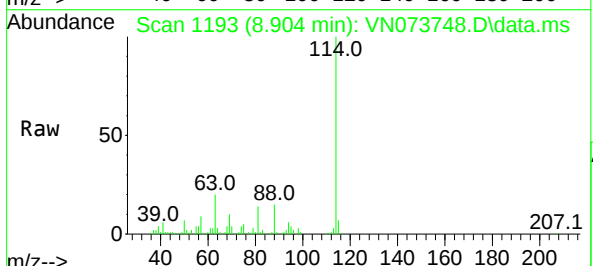
Tgt Ion:114 Resp: 697874

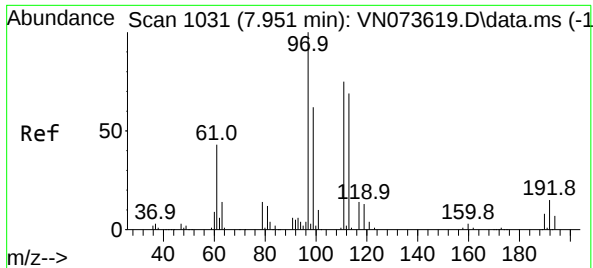
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

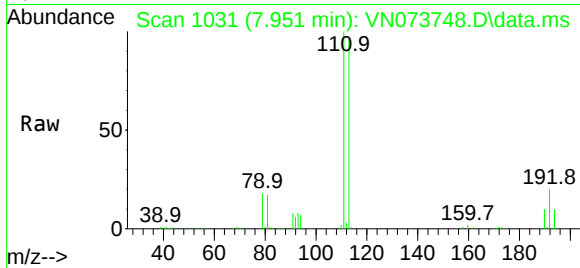
88 15.3 0.0 32.6





#35
Dibromofluoromethane
Concen: 52.305 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

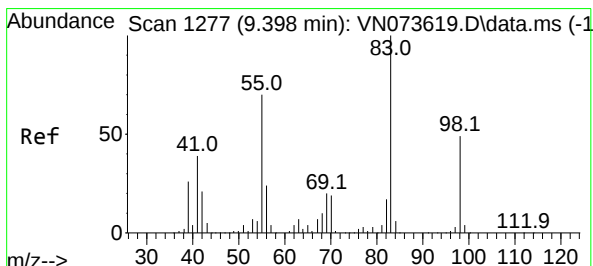
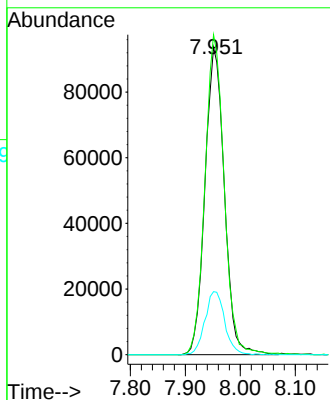
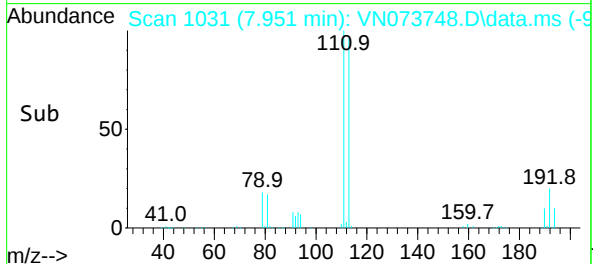
Instrument :
MSVOA_N
ClientSampleId :
INF0822



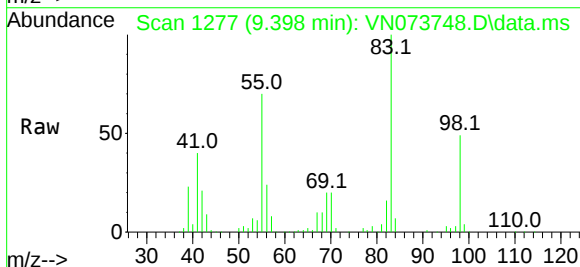
Tgt Ion: 113 Resp: 22921
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 20.9 17.0 25.6

Manual Integrations
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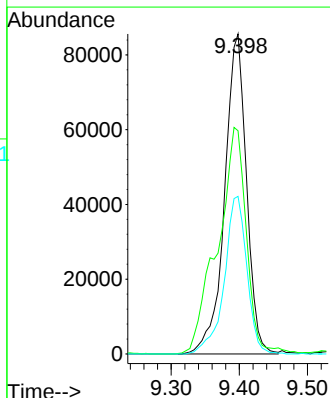
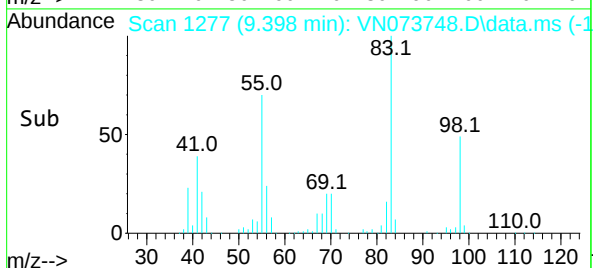
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

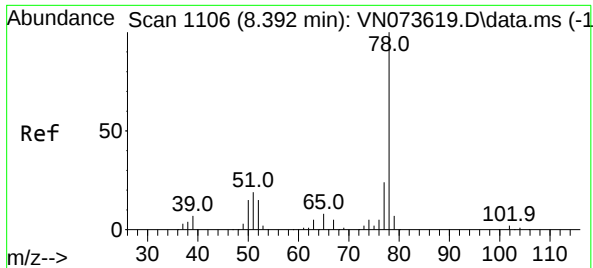


#39
Methylcyclohexane
Concen: 25.582 ug/l
RT: 9.398 min Scan# 1277
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02



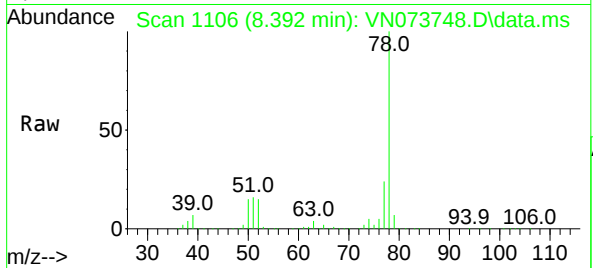
Tgt Ion: 83 Resp: 190933
Ion Ratio Lower Upper
83 100
55 69.6 57.8 86.8
98 49.3 39.4 59.2





#40
Benzene
Concen: 325.024 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

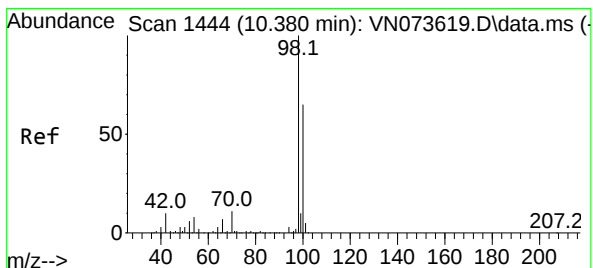
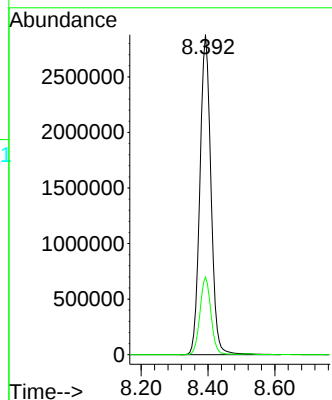
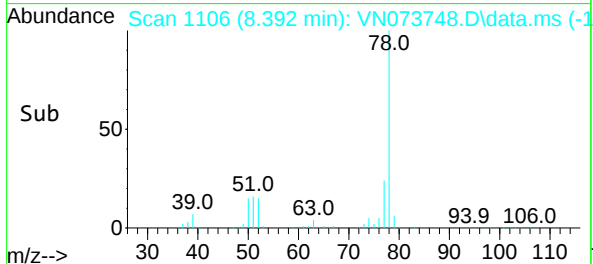
Instrument :
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Tgt Ion: 78 Resp: 659199
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

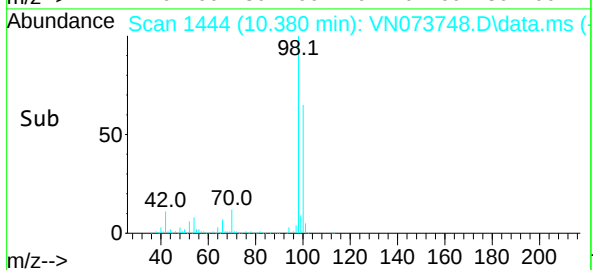
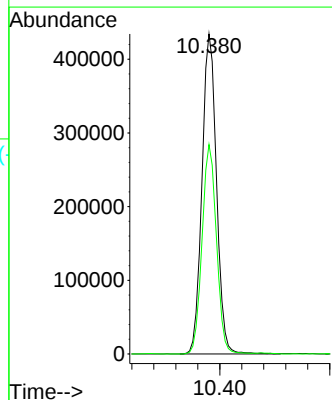
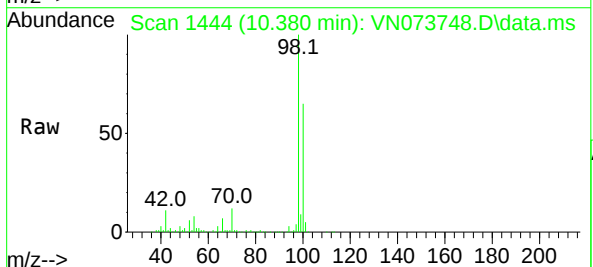
Manual Integrations
APPROVED

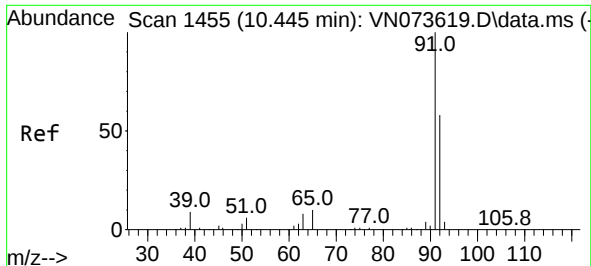
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#50
Toluene-d8
Concen: 46.159 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

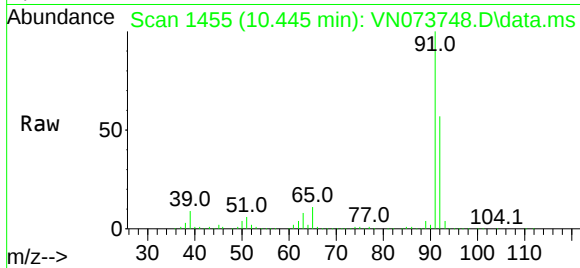
Tgt Ion: 98 Resp: 795987
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8





#52
Toluene
Concen: 44.126 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

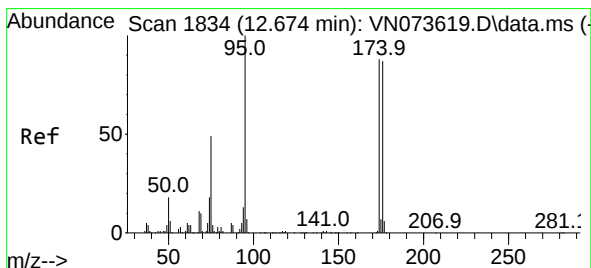
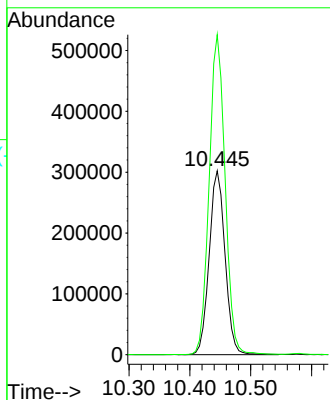
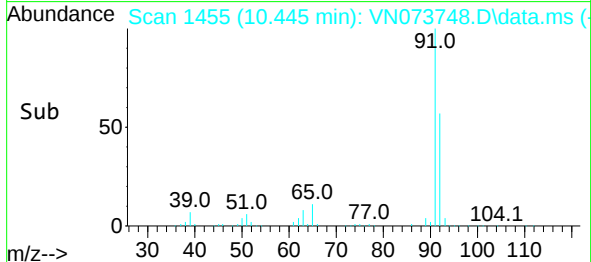
Instrument :
MSVOA_N
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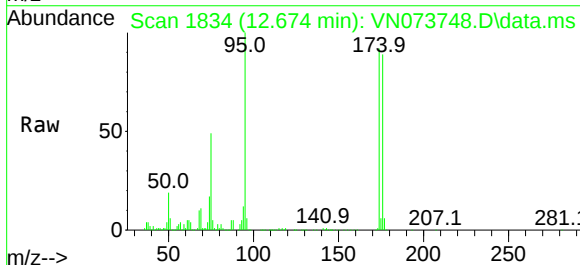
Tgt Ion: 92 Resp: 546640
Ion Ratio Lower Upper
92 100
91 174.8 138.6 207.8

Manual Integrations
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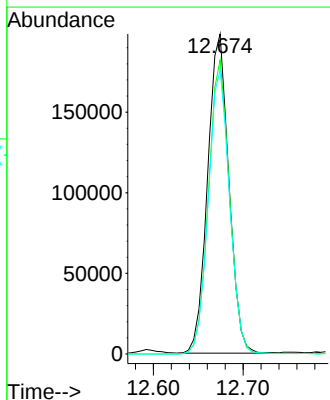
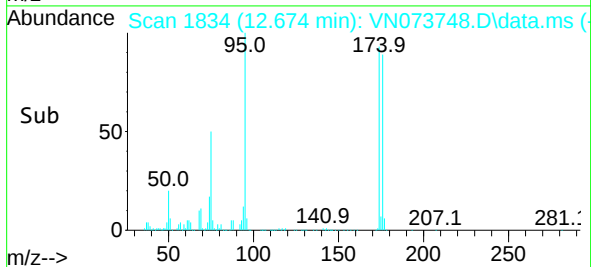
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

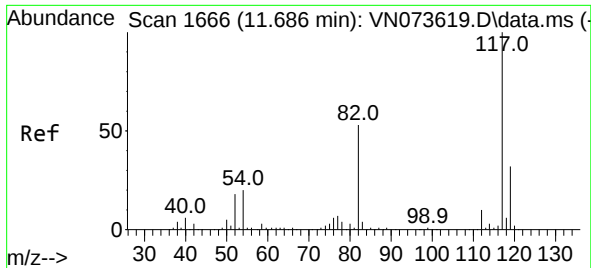


#62
4-Bromofluorobenzene
Concen: 55.281 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02



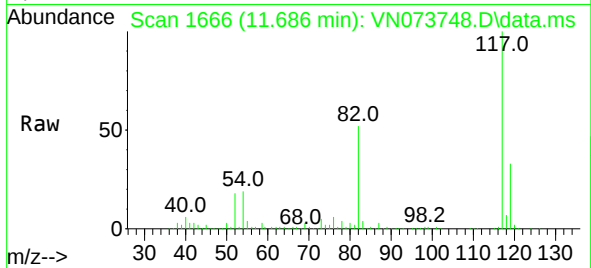
Tgt Ion: 95 Resp: 325011
Ion Ratio Lower Upper
95 100
174 91.3 0.0 167.6
176 88.6 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

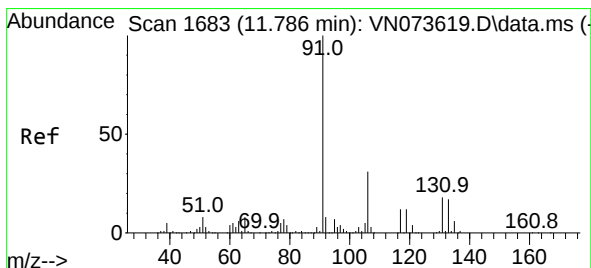
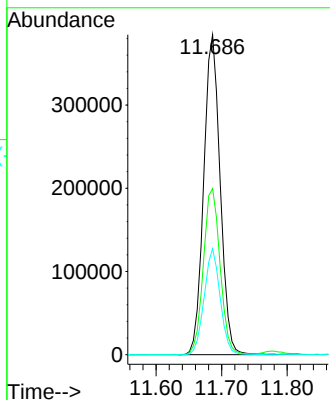
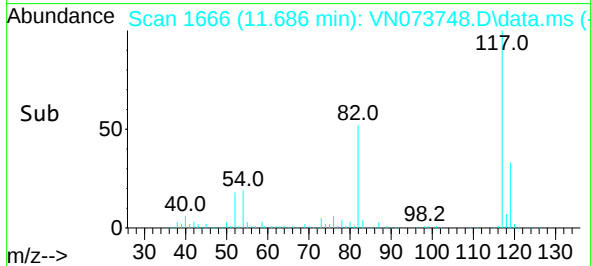
Instrument :
MSVOA_N
ClientSampleId :
INF0822



Tgt Ion:117 Resp: 671650
Ion Ratio Lower Upper
117 100
82 51.8 44.2 66.2
119 33.2 25.4 38.0

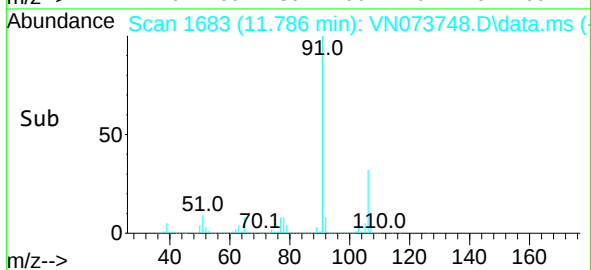
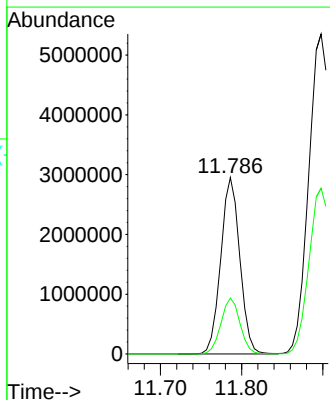
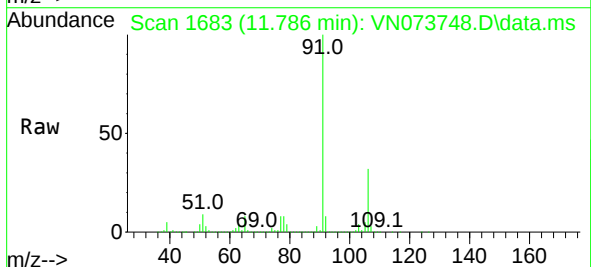
Manual Integrations
APPROVED

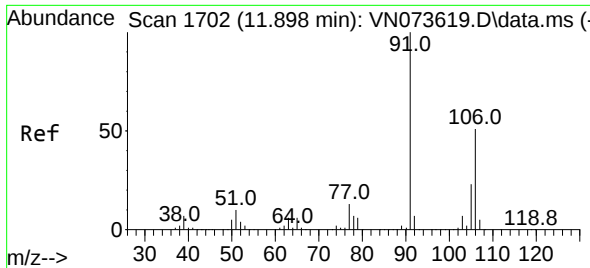
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#67
Ethyl Benzene
Concen: 200.193 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

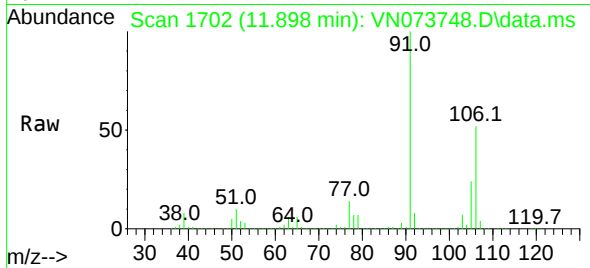
Tgt Ion: 91 Resp: 4818323
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3





#68
m/p-Xylenes
Concen: 578.120 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

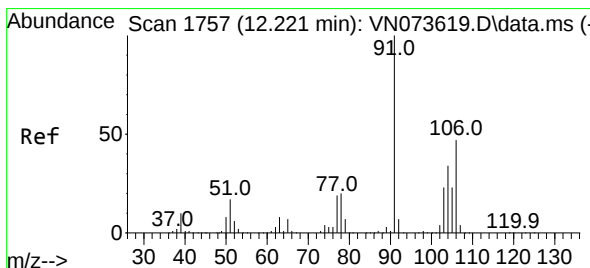
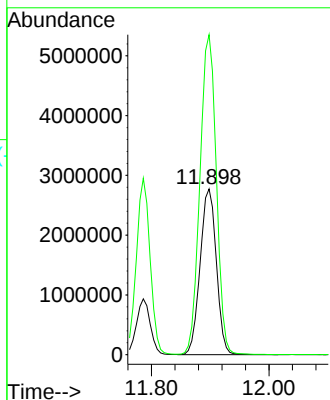
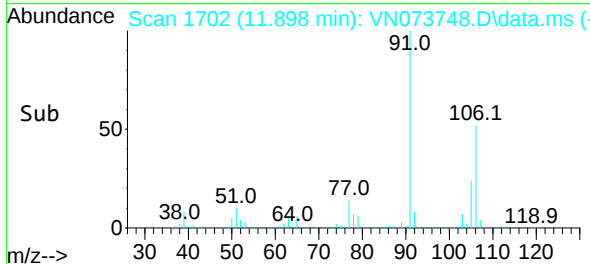
Instrument :
MSVOA_N
ClientSampleId :
INF0822



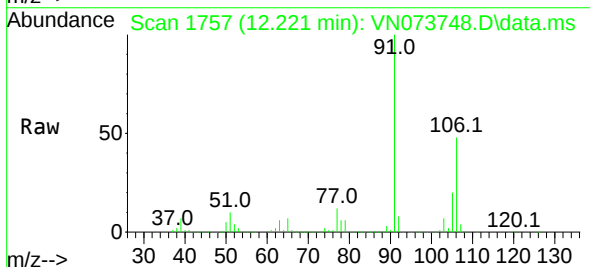
Tgt Ion:106 Resp: 5306948
Ion Ratio Lower Upper
106 100
91 195.2 158.9 238.3

Manual Integrations
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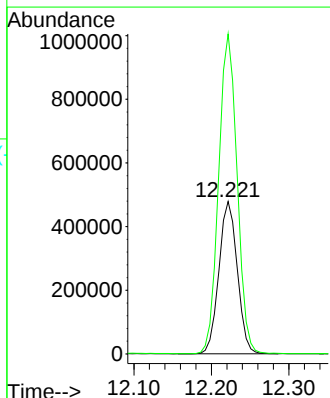
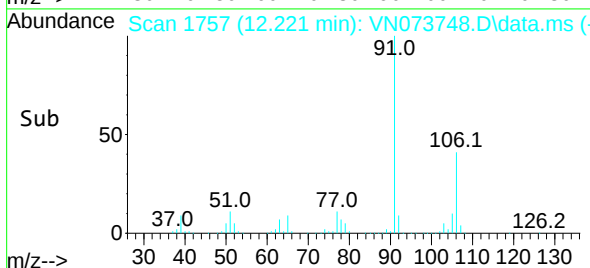
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

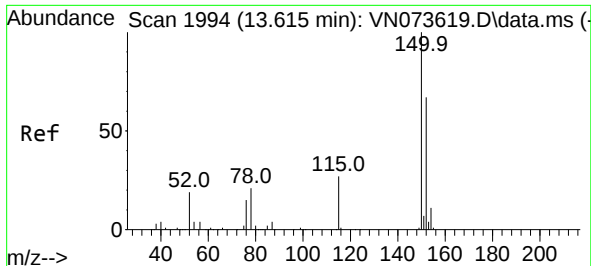


#69
o-Xylene
Concen: 88.237 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02



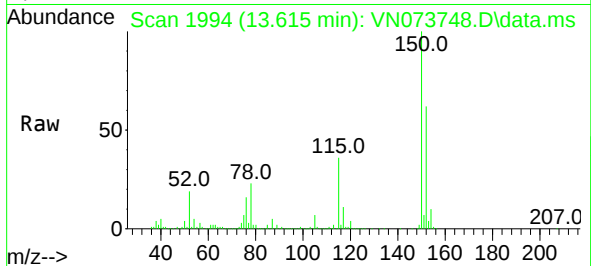
Tgt Ion:106 Resp: 789678
Ion Ratio Lower Upper
106 100
91 210.5 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

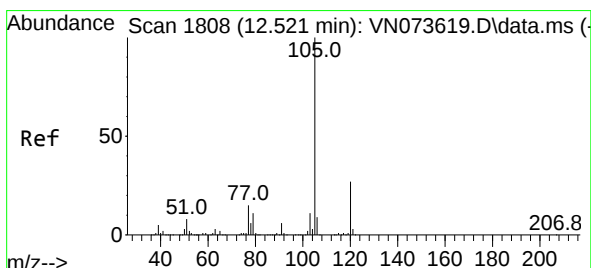
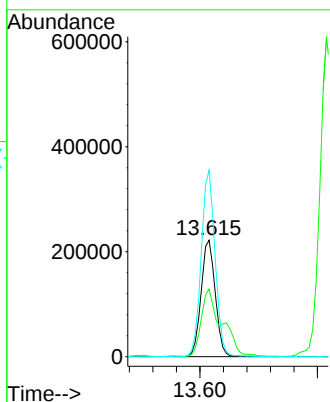
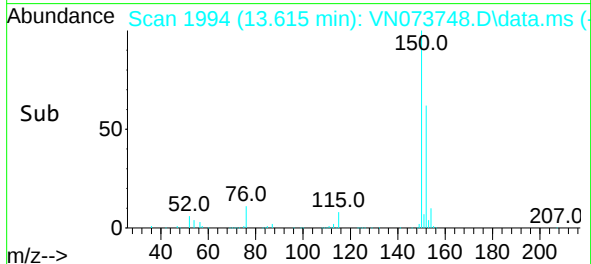
Instrument :
MSVOA_N
ClientSampleId :
INF0822



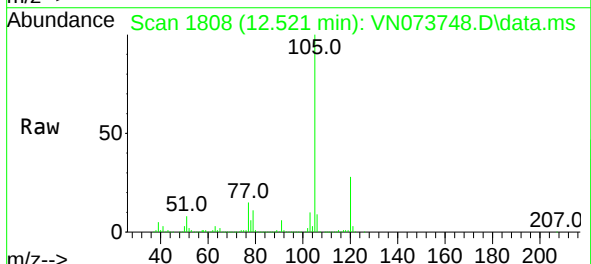
Tgt Ion:152 Resp: 37292
Ion Ratio Lower Upper
152 100
115 83.3 28.9 86.7
150 156.5 0.0 356.2

Manual Integrations
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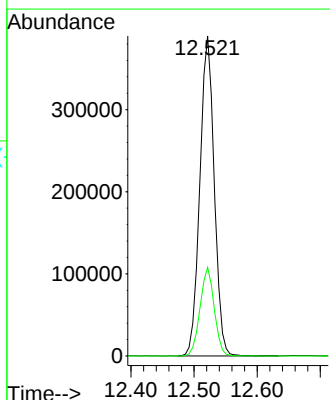
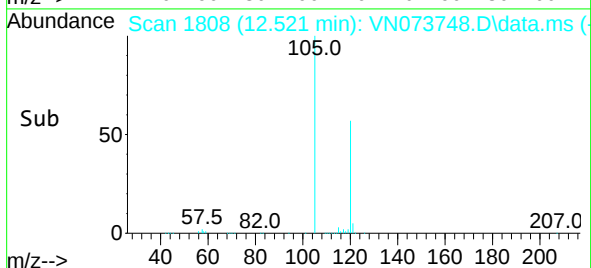
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

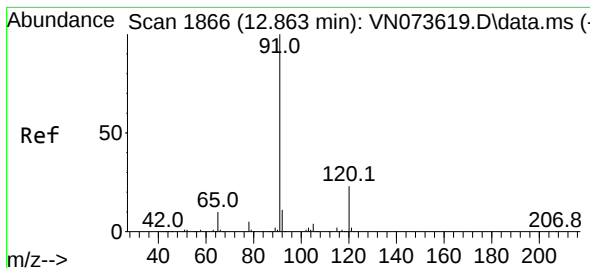


#73
Isopropylbenzene
Concen: 22.608 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02



Tgt Ion:105 Resp: 617183
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4





#78

n-propylbenzene

Concen: 41.540 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. -0.000 min

Lab File: VN073748.D

Acq: 04 Aug 2022 20:02

Instrument :

MSVOA_N

ClientSampleId :

INF0822

Tgt Ion: 91 Resp: 127595

Ion Ratio Lower Upper

91 100

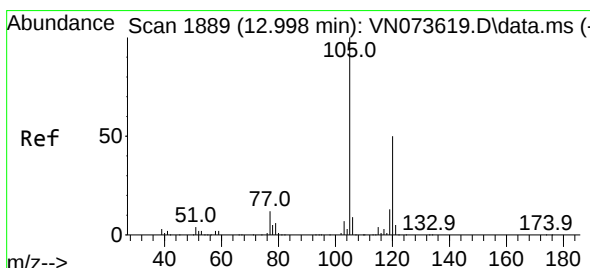
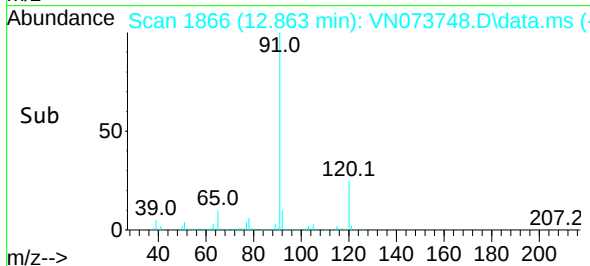
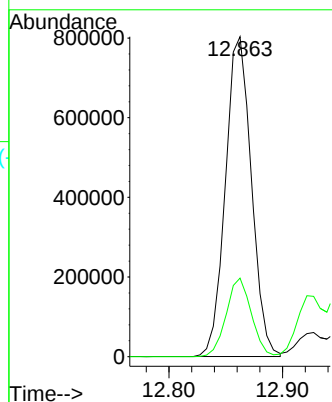
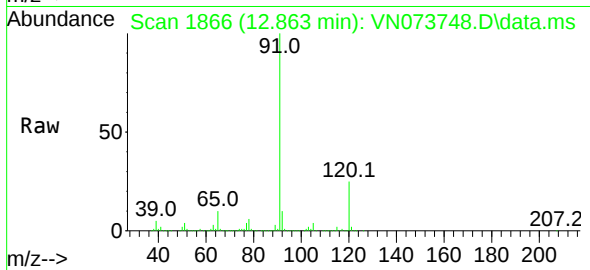
120 23.7 11.9 35.5

Manual Integrations

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Reviewed By :John Carlone 08/05/2022

Supervised By :Mahesh Dadoda 08/05/2022



#80

1,3,5-Trimethylbenzene

Concen: 41.146 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073748.D

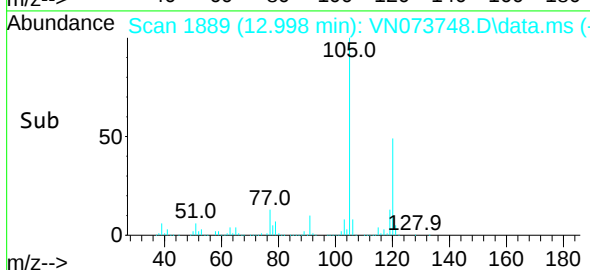
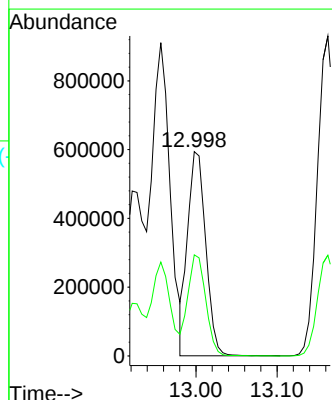
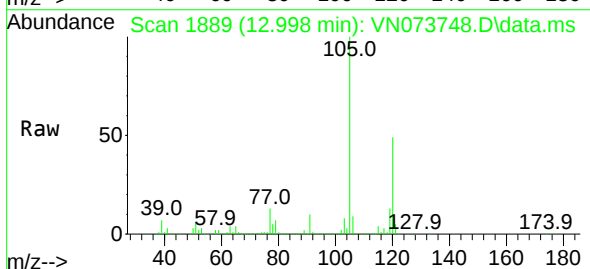
Acq: 04 Aug 2022 20:02

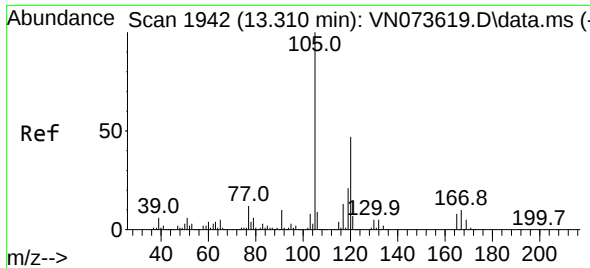
Tgt Ion:105 Resp: 924356

Ion Ratio Lower Upper

105 100

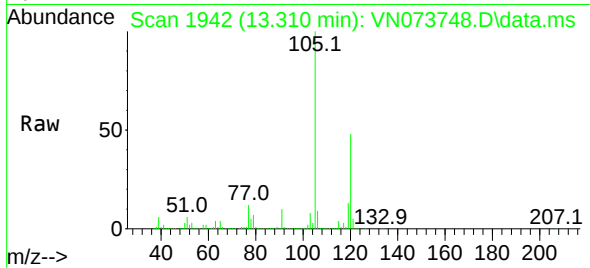
120 49.0 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 200.016 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

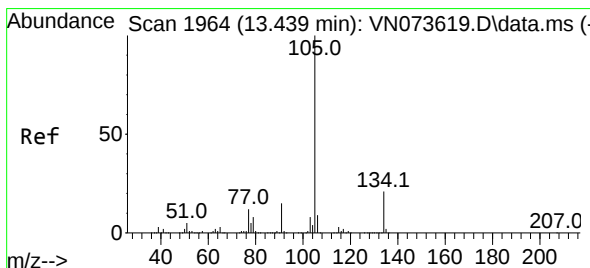
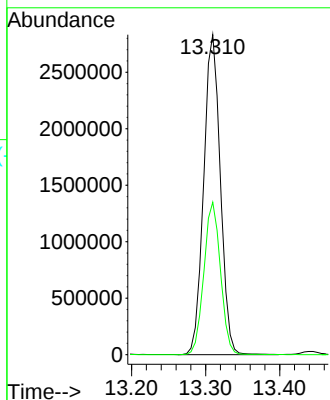
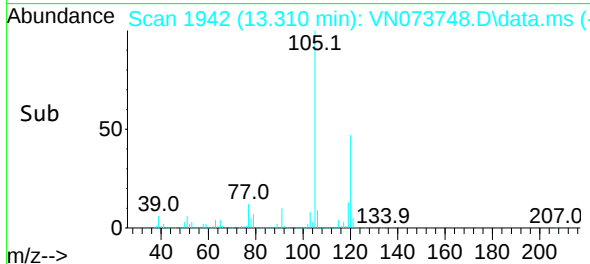
Instrument :
MSVOA_N
ClientSampleId :
INF0822



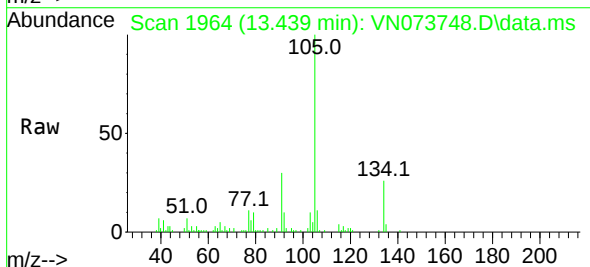
Tgt Ion:105 Resp: 4418354
Ion Ratio Lower Upper
105 100
120 47.5 23.3 69.8

Manual Integrations
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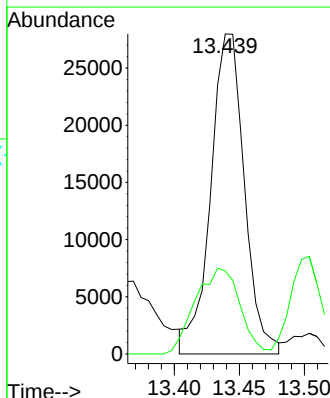
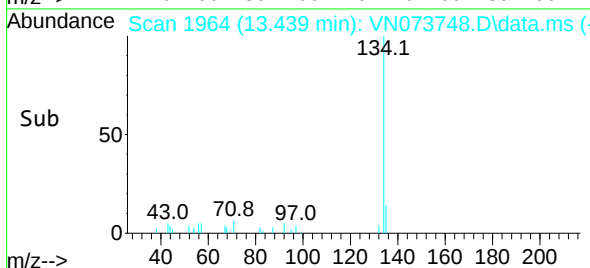
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

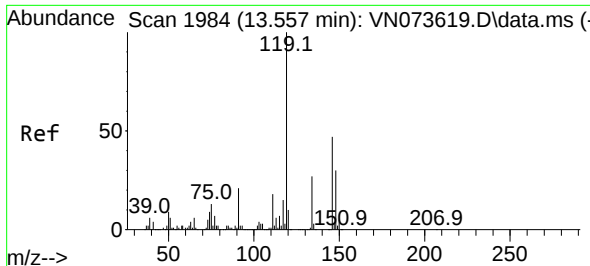


#85
sec-Butylbenzene
Concen: 1.831 ug/l m
RT: 13.439 min Scan# 1964
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02



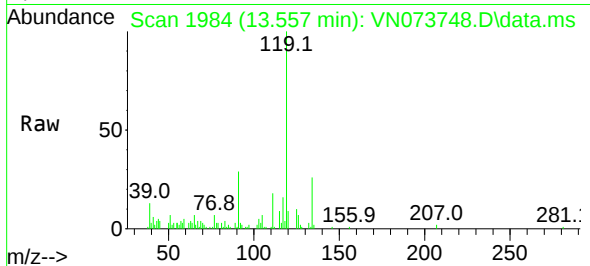
Tgt Ion:105 Resp: 50365
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#86
p-Isopropyltoluene
Concen: 1.021 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02

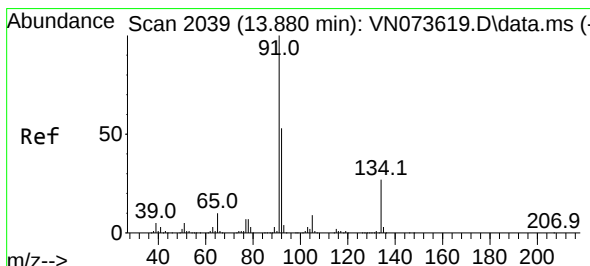
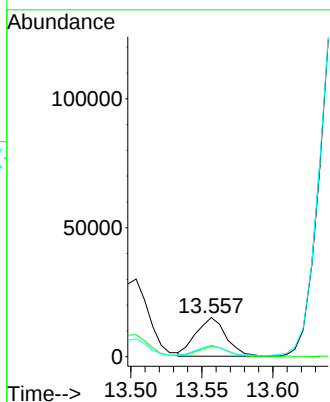
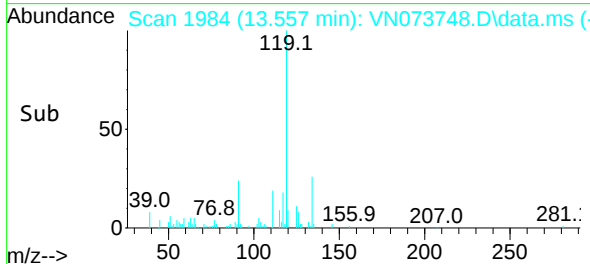
Instrument :
MSVOA_N
ClientSampleId :
INF0822



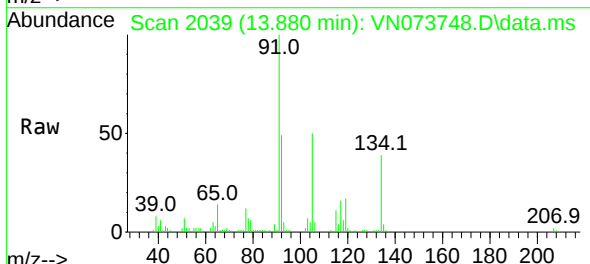
Tgt Ion: 119 Resp: 2212
Ion Ratio Lower Upper
119 100
134 26.6 13.3 39.8
91 0.0 11.3 33.9

Manual Integrations
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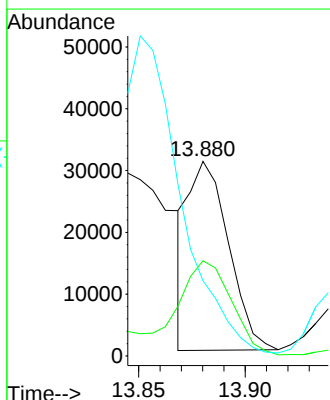
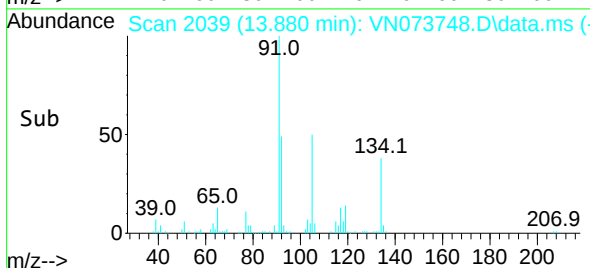
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

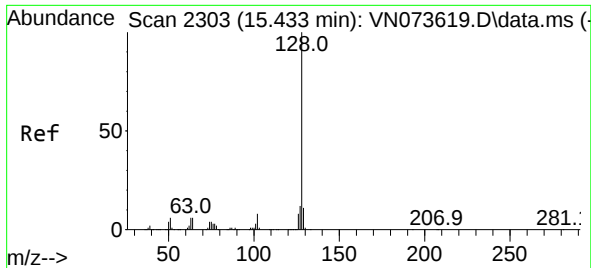


#89
n-Butylbenzene
Concen: 2.272 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VN073748.D
Acq: 04 Aug 2022 20:02



Tgt Ion: 91 Resp: 40077
Ion Ratio Lower Upper
91 100
92 66.7 26.9 80.7
134 0.0 13.6 40.8





#95

Naphthalene

Concen: 86.450 ug/l

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN073748.D

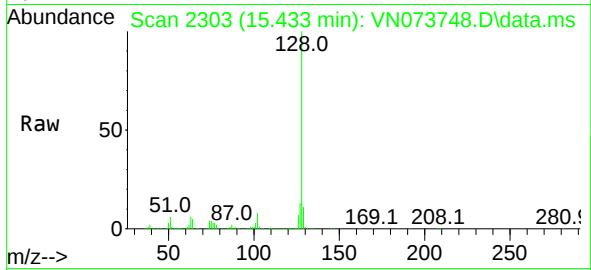
Acq: 04 Aug 2022 20:02

Instrument :

MSVOA_N

ClientSampleId :

INF0822



Tgt Ion:128 Resp: 183187

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.7 8.6 13.0

Manual Integrations

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Reviewed By :John Carlone 08/05/2022

Supervised By :Mahesh Dadoda 08/05/2022

