

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010522\  
 Data File : VN070495.D  
 Acq On : 5 Jan 2022 17:38  
 Operator : JC/MD  
 Sample : N1012-12  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 31244

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/11/2022  
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 06 13:26:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 2021  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|----------|--------|----------|
| -----                       |                |      |                     |          |        |          |
| Internal Standards          |                |      |                     |          |        |          |
| 1) Pentafluorobenzene       | 8.083          | 168  | 941340              | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.965          | 114  | 1581797             | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.744         | 117  | 1456891             | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.675         | 152  | 514792              | 50.000   | ug/l   | 0.00     |
|                             |                |      |                     |          |        |          |
| System Monitoring Compounds |                |      |                     |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.437          | 65   | 687418              | 50.789   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 101.580% |          |        |          |
| 35) Dibromofluoromethane    | 8.018          | 113  | 479454              | 50.096   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 100.200% |          |        |          |
| 50) Toluene-d8              | 10.440         | 98   | 2008461             | 51.371   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 102.740% |          |        |          |
| 62) 4-Bromofluorobenzene    | 12.731         | 95   | 757657              | 53.654   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 107.300% |          |        |          |
|                             |                |      |                     |          |        |          |
| Target Compounds            |                |      |                     |          | Qvalue |          |
| 11) Tert butyl alcohol      | 5.377          | 59   | 1176653             | 522.124  | ug/l   | 98       |
| 16) Acetone                 | 4.264          | 43   | 32753585m           | 3727.883 | ug/l   |          |
| 25) 2-Butanone              | 7.332          | 43   | 3907261             | 353.190  | ug/l   | 91       |
| 40) Benzene                 | 8.458          | 78   | 26084               | 0.537    | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone    | 10.330         | 43   | 1248222             | 61.395   | ug/l   | 96       |
| 52) Toluene                 | 10.505         | 92   | 6109091             | 207.933  | ug/l   | 97       |
| 67) Ethyl Benzene           | 11.843         | 91   | 1205479             | 21.284   | ug/l   | 95       |
| 68) m/p-Xylenes             | 11.950         | 106  | 2076635             | 100.727  | ug/l   | 94       |
| 69) o-Xylene                | 12.277         | 106  | 990708              | 48.312   | ug/l   | 93       |
| 73) Isopropylbenzene        | 12.578         | 105  | 13535               | 0.283    | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 13.058         | 105  | 18609               | 0.486    | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.369         | 105  | 37124               | 1.006    | ug/l   | 95       |
| -----                       |                |      |                     |          |        |          |

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

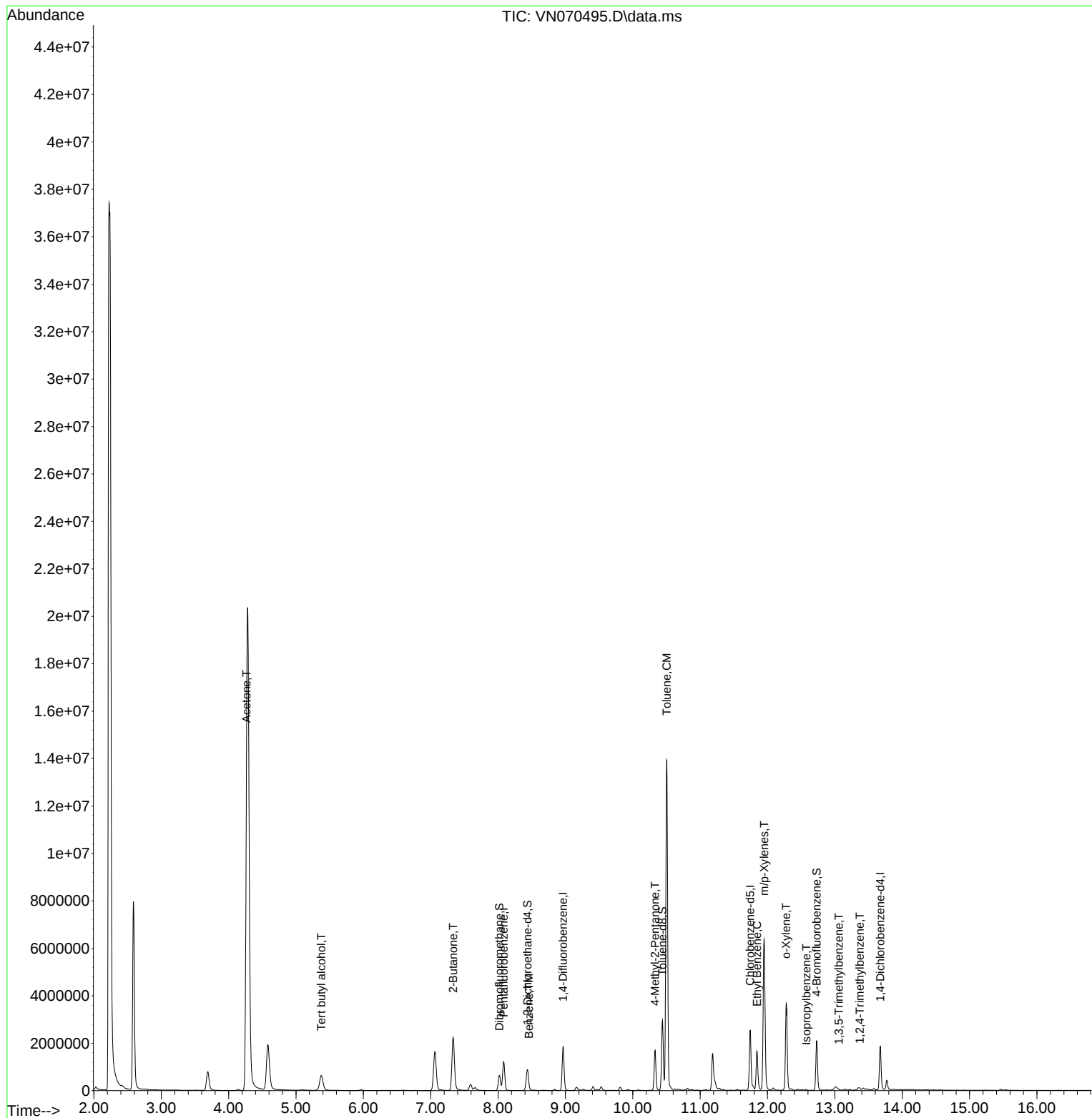
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010522\  
Data File : VN070495.D  
Acq On : 5 Jan 2022 17:38  
Operator : JC/MD  
Sample : N1012-12  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

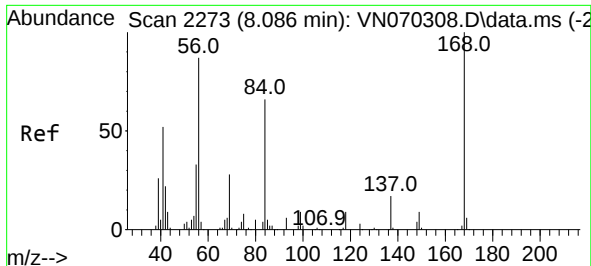
Instrument :  
MSVOA\_N  
ClientSampleId :  
31244

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Supervised By : Mahesh Dadoda 01/11/2022

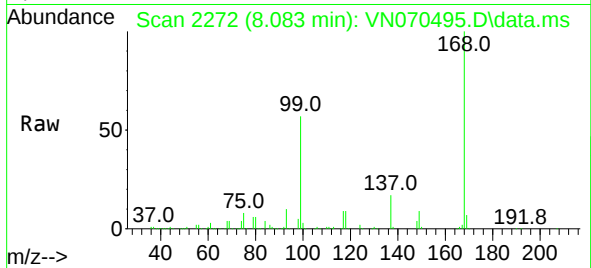
Quant Time: Jan 06 13:26:13 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 27 18:47:12 2021  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.083 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

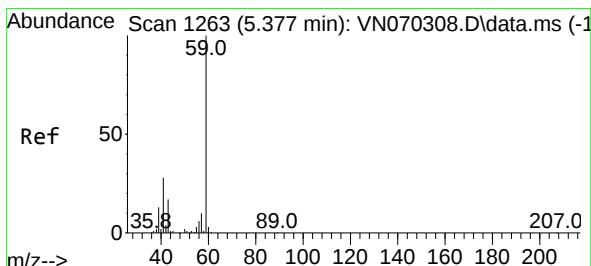
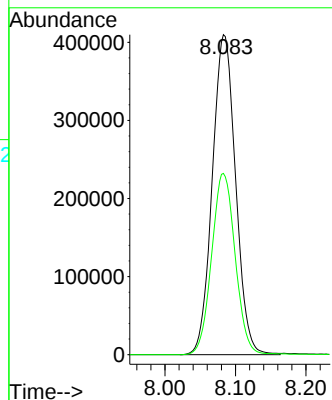
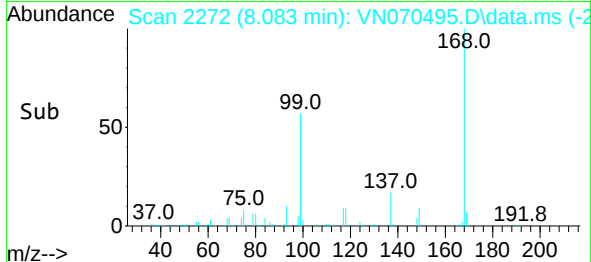
Instrument :  
MSVOA\_N  
ClientSampleId :  
31244



Tgt Ion:168 Resp: 941340  
Ion Ratio Lower Upper  
168 100  
99 56.7 41.3 61.9

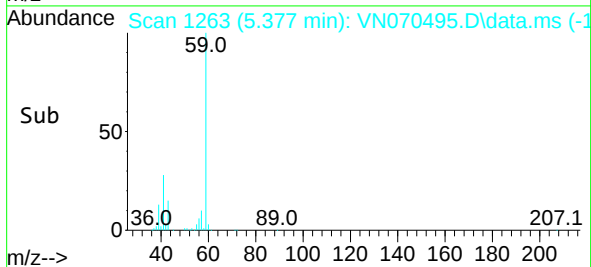
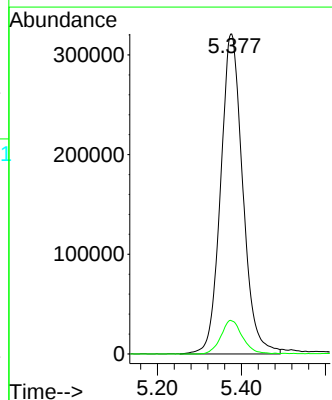
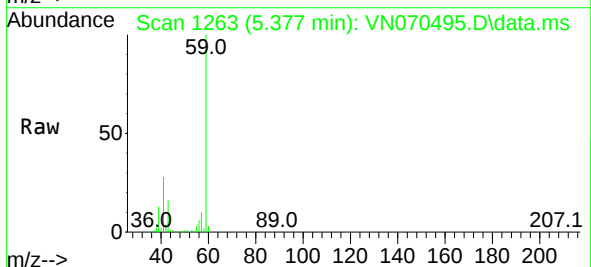
Manual Integrations  
APPROVED

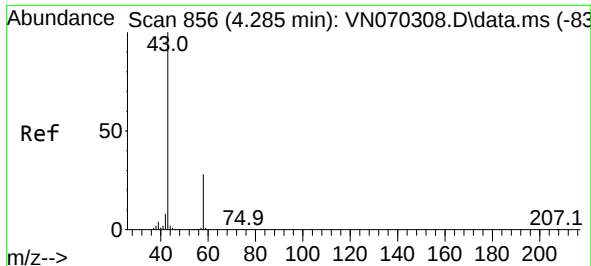
Reviewed By :John Carlone 01/11/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#11  
Tert butyl alcohol  
Concen: 522.124 ug/l  
RT: 5.377 min Scan# 1263  
Delta R.T. -0.000 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

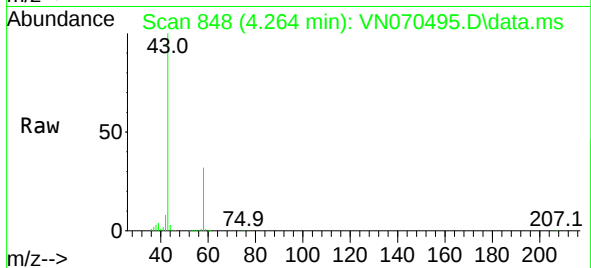
Tgt Ion: 59 Resp: 1176653  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.7 13.1





#16  
Acetone  
Concen: 3727.883 ug/l m  
RT: 4.264 min Scan# 84  
Delta R.T. -0.021 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

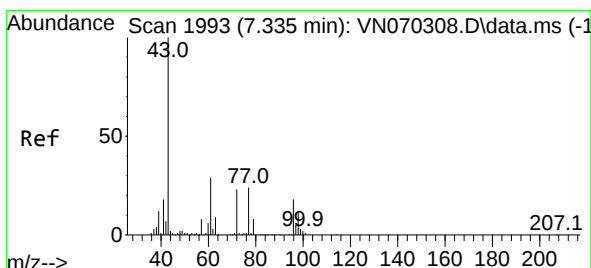
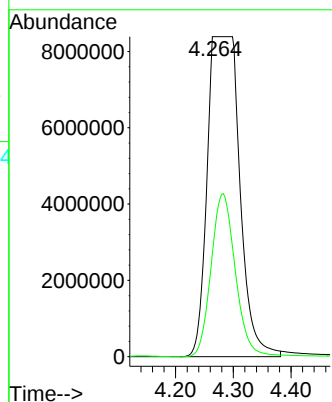
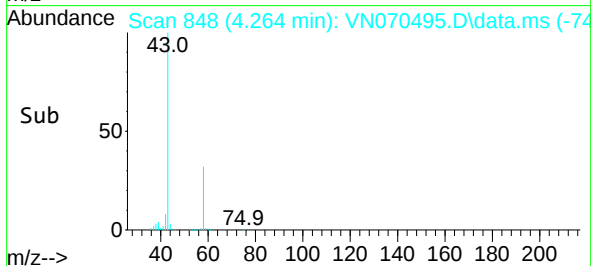
Instrument :  
MSVOA\_N  
ClientSampleId :  
31244



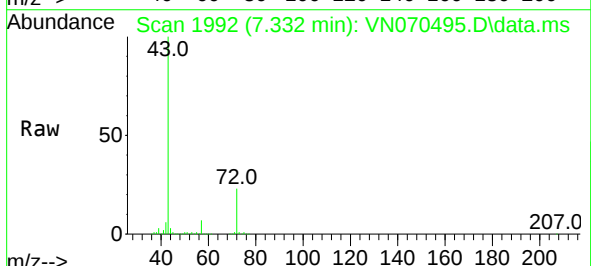
Tgt Ion: 43 Resp: 3275358  
Ion Ratio Lower Upper  
43 100  
58 32.2 23.1 34.7

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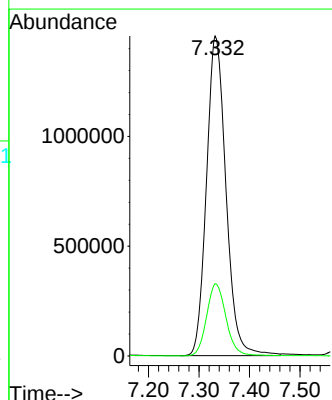
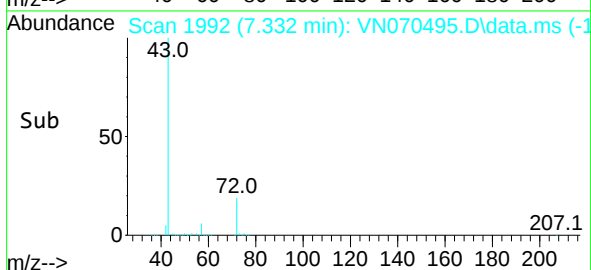
Reviewed By : John Carlone 01/11/2022  
Supervised By : Mahesh Dadoda 01/11/2022

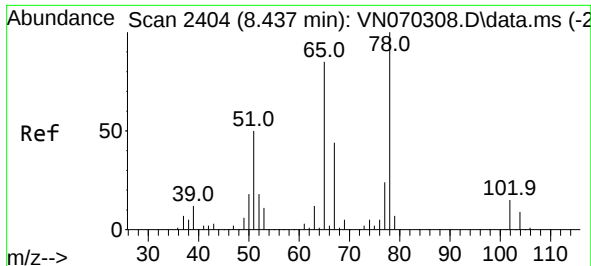


#25  
2-Butanone  
Concen: 353.190 ug/l  
RT: 7.332 min Scan# 1992  
Delta R.T. -0.003 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38



Tgt Ion: 43 Resp: 3907261  
Ion Ratio Lower Upper  
43 100  
72 22.6 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 50.789 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070495.D

Acq: 5 Jan 2022 17:38

Instrument :

MSVOA\_N

ClientSampleId :

31244

Tgt Ion: 65 Resp: 687418

Ion Ratio Lower Upper

65 100

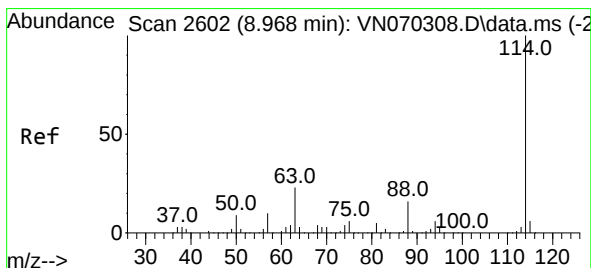
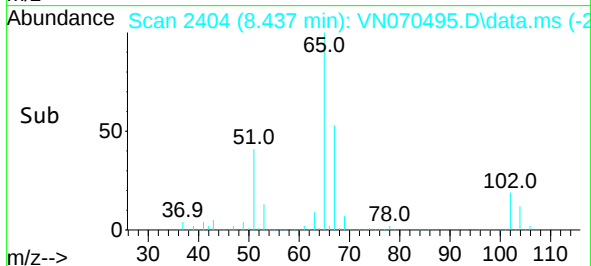
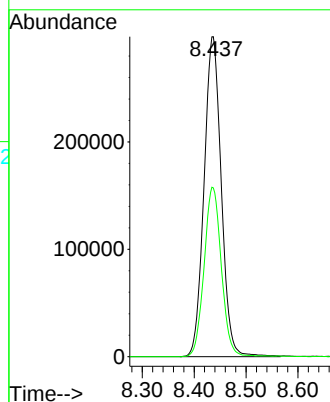
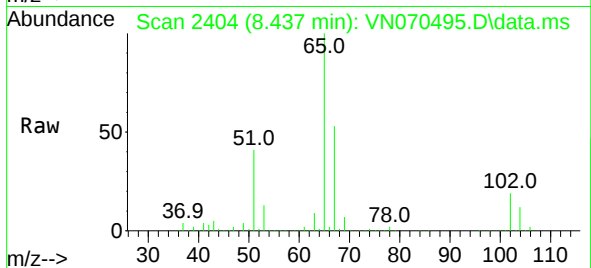
67 52.8 0.0 103.0

Manual Integrations

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Supervised By :Mahesh Dadoda 01/11/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070495.D

Acq: 5 Jan 2022 17:38

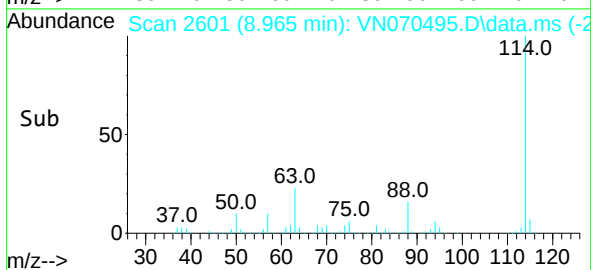
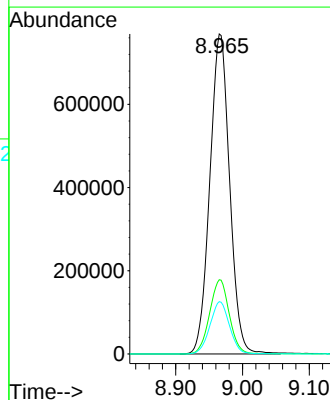
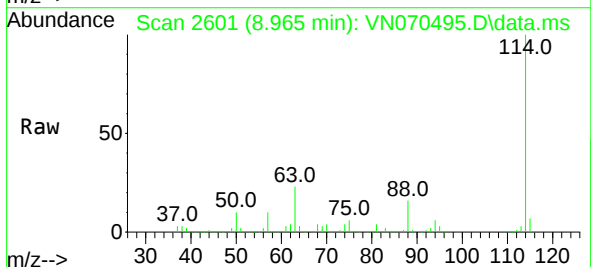
Tgt Ion:114 Resp: 1581797

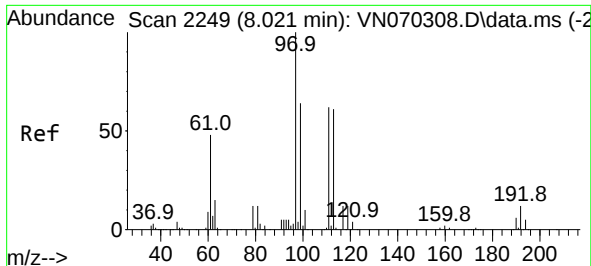
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

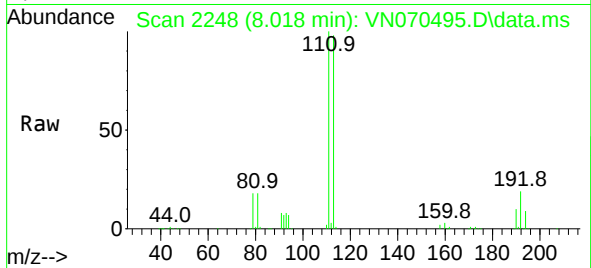
88 16.3 0.0 27.4





#35  
Dibromofluoromethane  
Concen: 50.096 ug/l  
RT: 8.018 min Scan# 211  
Delta R.T. -0.003 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

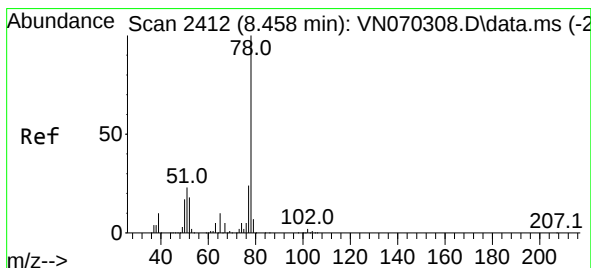
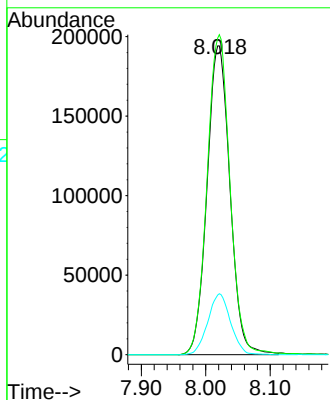
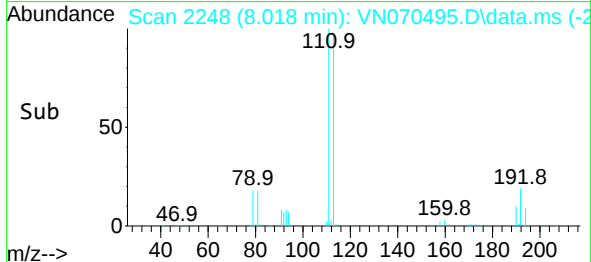
Instrument :  
MSVOA\_N  
ClientSampleId :  
31244



Tgt Ion:113 Resp: 479454  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.2 123.2  
192 19.6 16.9 25.3

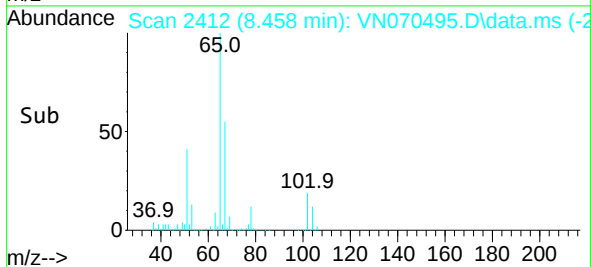
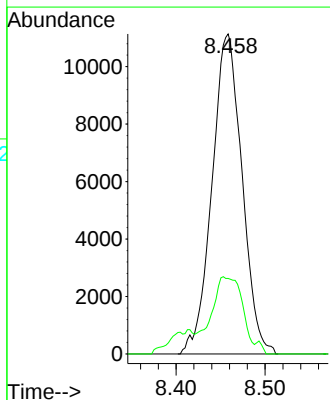
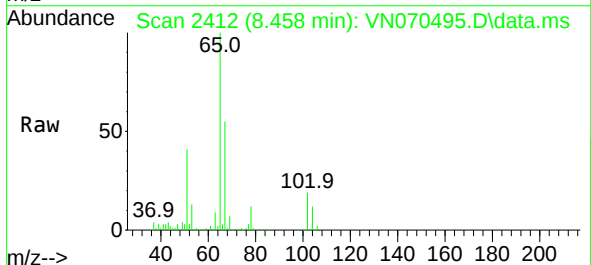
Manual Integrations  
APPROVED

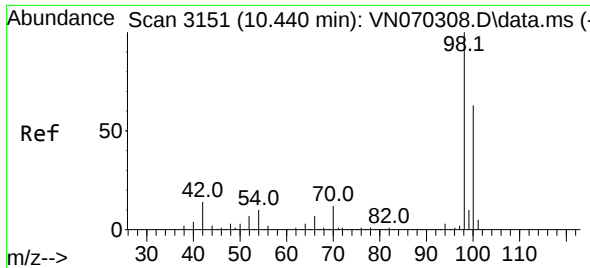
Reviewed By :John Carlone 01/11/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#40  
Benzene  
Concen: 0.537 ug/l  
RT: 8.458 min Scan# 2412  
Delta R.T. 0.000 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

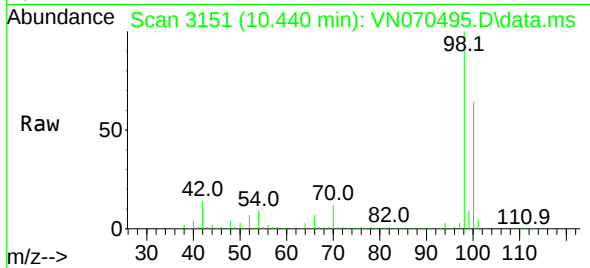
Tgt Ion: 78 Resp: 26084  
Ion Ratio Lower Upper  
78 100  
77 23.6 18.6 27.8





#50  
Toluene-d8  
Concen: 51.371 ug/l  
RT: 10.440 min Scan# 3151  
Delta R.T. 0.000 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

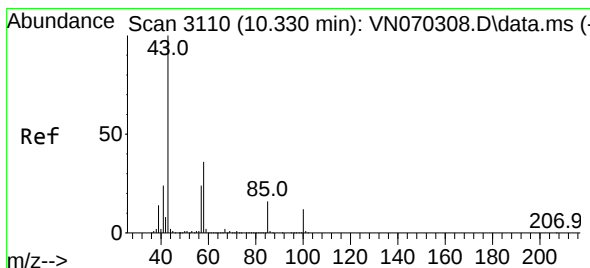
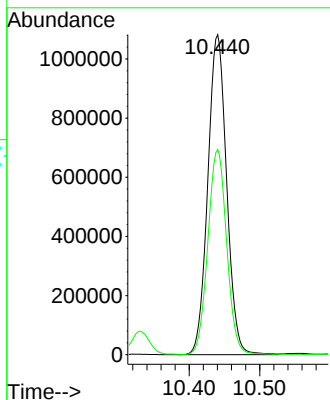
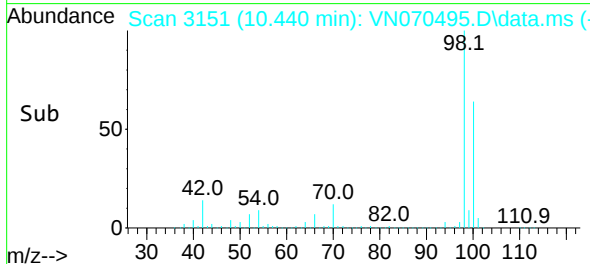
Instrument :  
MSVOA\_N  
ClientSampleId :  
31244



Tgt Ion: 98 Resp: 200846  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.4 75.6

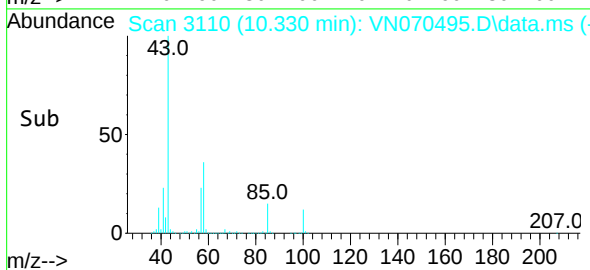
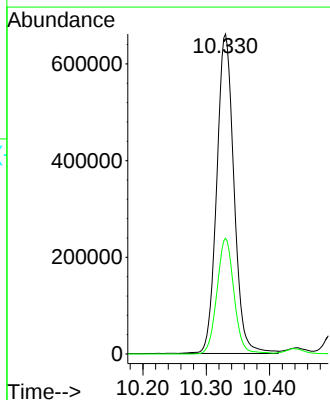
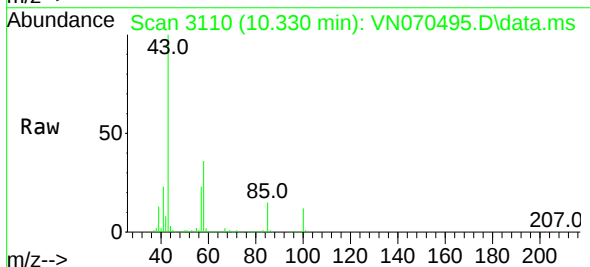
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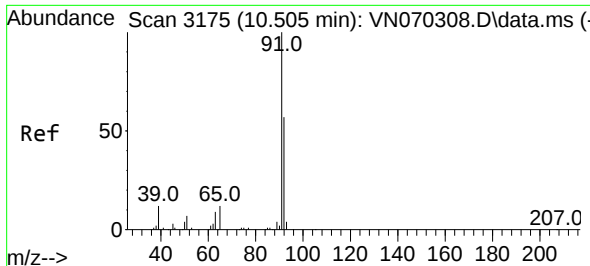
Reviewed By :John Carlone 01/11/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#51  
4-Methyl-2-Pentanone  
Concen: 61.395 ug/l  
RT: 10.330 min Scan# 3110  
Delta R.T. 0.000 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

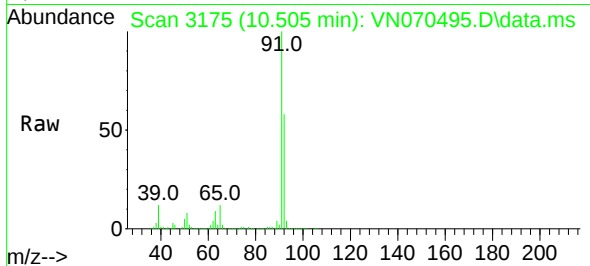
Tgt Ion: 43 Resp: 1248222  
Ion Ratio Lower Upper  
43 100  
58 35.9 30.4 45.6





#52  
Toluene  
Concen: 207.933 ug/l  
RT: 10.505 min Scan# 3175  
Delta R.T. -0.000 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

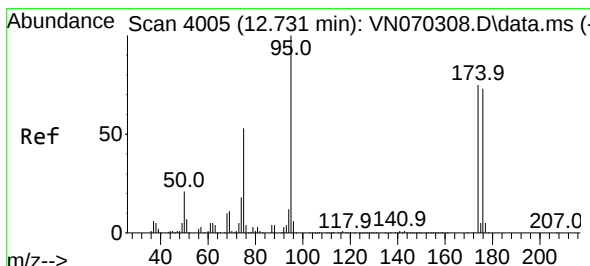
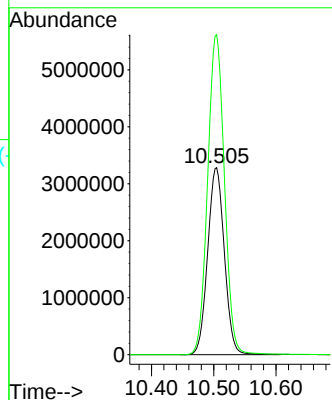
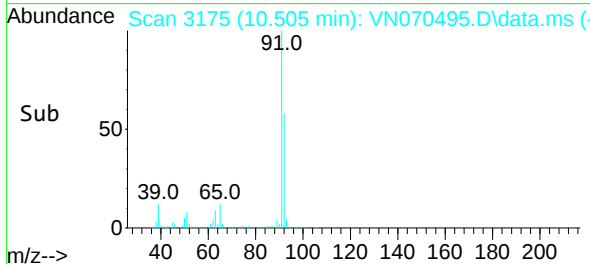
Instrument :  
MSVOA\_N  
ClientSampleId :  
31244



Tgt Ion: 92 Resp: 610909  
Ion Ratio Lower Upper  
92 100  
91 172.6 142.0 213.0

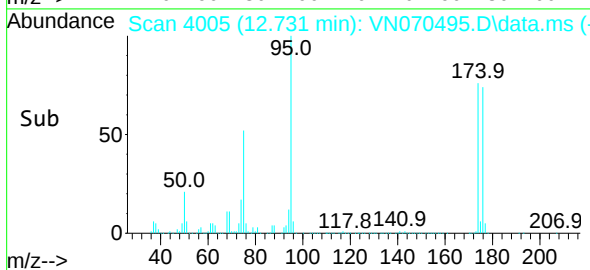
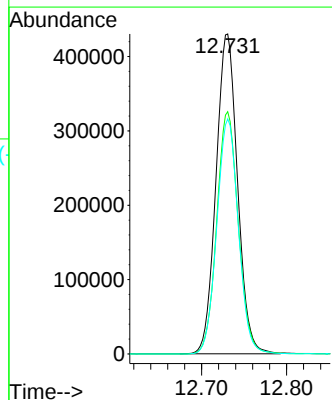
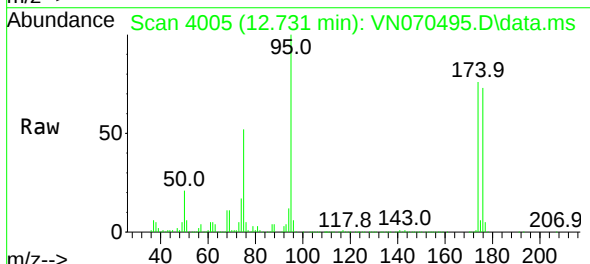
Manual Integrations  
APPROVED

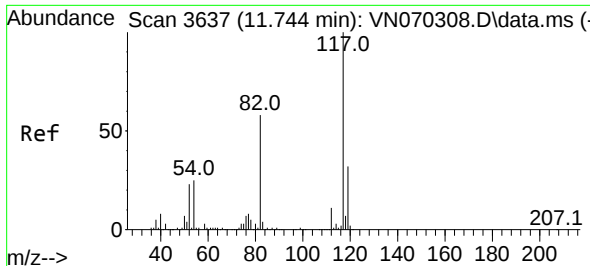
Reviewed By :John Carlone 01/11/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#62  
4-Bromofluorobenzene  
Concen: 53.654 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

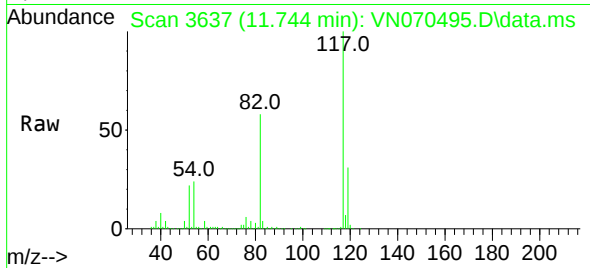
Tgt Ion: 95 Resp: 757657  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 187.2  
176 73.4 0.0 181.4





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.744 min Scan# 3637  
Delta R.T. -0.000 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

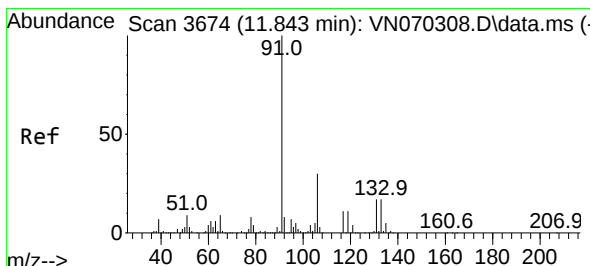
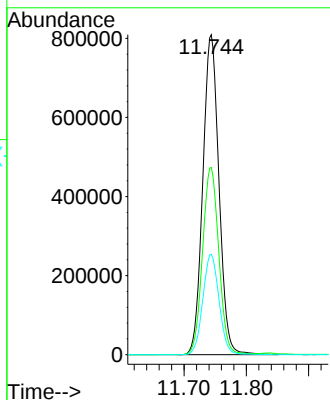
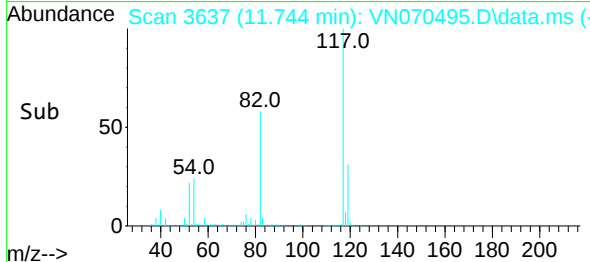
Instrument :  
MSVOA\_N  
ClientSampleId :  
31244



Tgt Ion:117 Resp: 145689  
Ion Ratio Lower Upper  
117 100  
82 58.5 42.4 63.6  
119 31.4 25.4 38.2

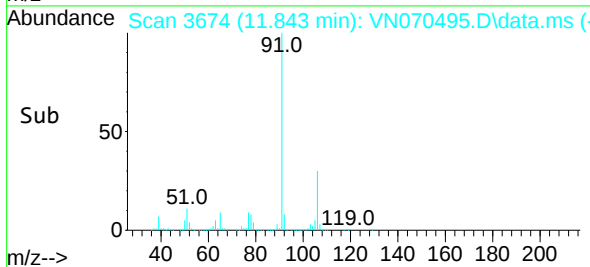
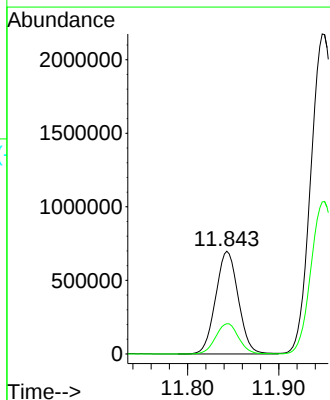
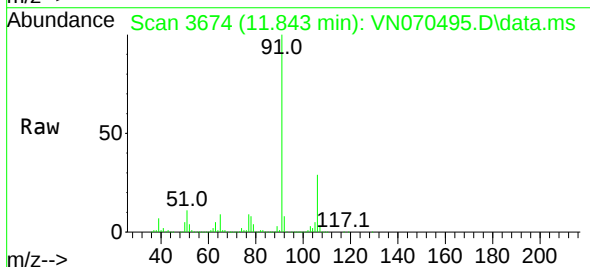
Manual Integrations  
APPROVED

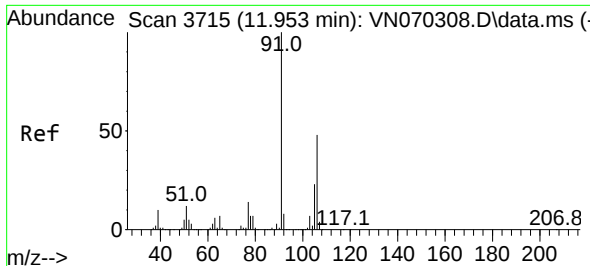
Reviewed By :John Carlone 01/11/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#67  
Ethyl Benzene  
Concen: 21.284 ug/l  
RT: 11.843 min Scan# 3674  
Delta R.T. -0.000 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

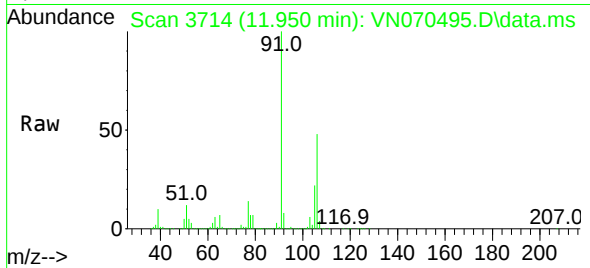
Tgt Ion: 91 Resp: 1205479  
Ion Ratio Lower Upper  
91 100  
106 29.5 25.7 38.5





#68  
m/p-Xylenes  
Concen: 100.727 ug/l  
RT: 11.950 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

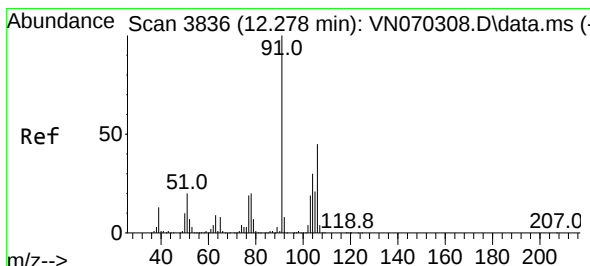
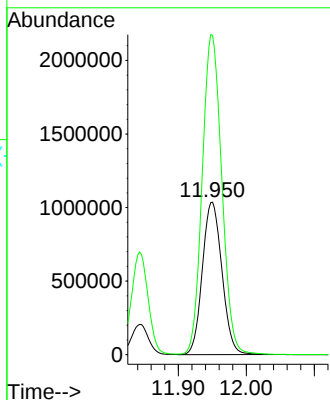
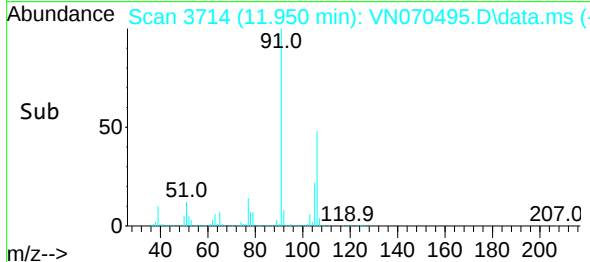
Instrument :  
MSVOA\_N  
ClientSampleId :  
31244



Tgt Ion:106 Resp: 207663  
Ion Ratio Lower Upper  
106 100  
91 209.6 160.6 240.8

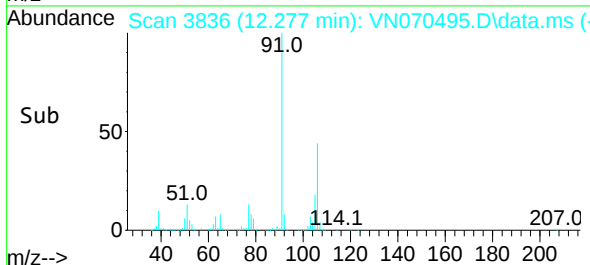
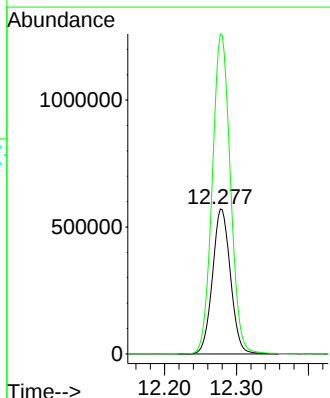
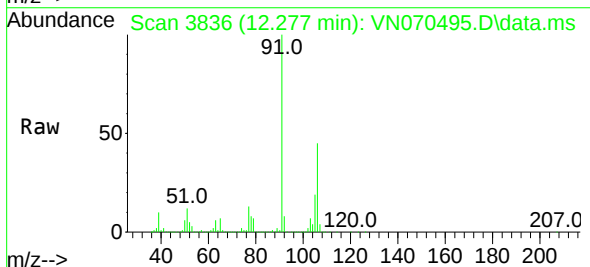
Manual Integrations  
APPROVED

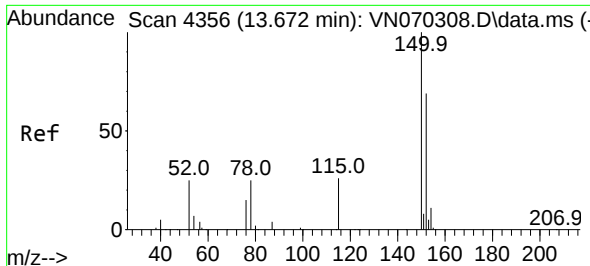
Reviewed By :John Carlone 01/11/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#69  
o-Xylene  
Concen: 48.312 ug/l  
RT: 12.277 min Scan# 3836  
Delta R.T. -0.001 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

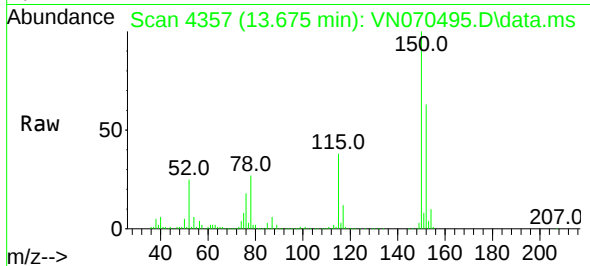
Tgt Ion:106 Resp: 990708  
Ion Ratio Lower Upper  
106 100  
91 222.9 105.8 317.3





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.675 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

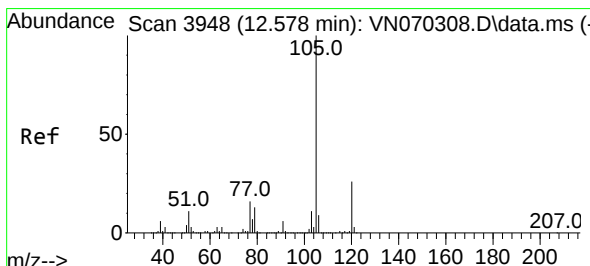
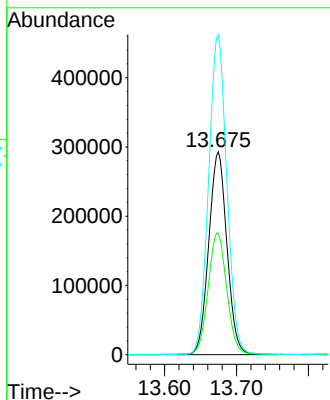
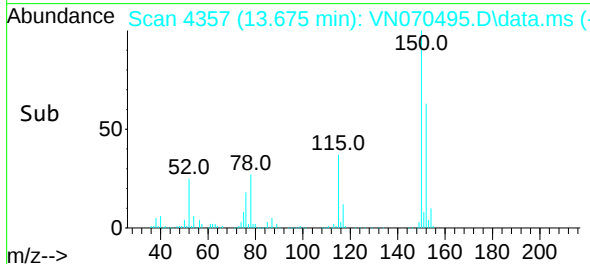
Instrument :  
MSVOA\_N  
ClientSampleId :  
31244



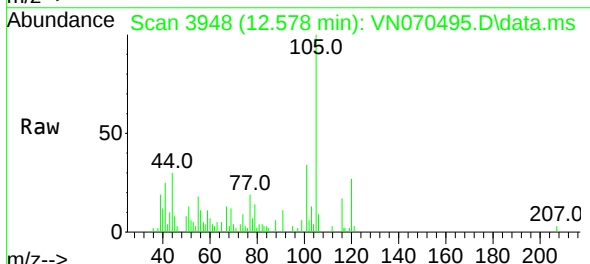
Tgt Ion:152 Resp: 514792  
Ion Ratio Lower Upper  
152 100  
115 61.5 27.5 82.5  
150 158.1 0.0 344.4

Manual Integrations  
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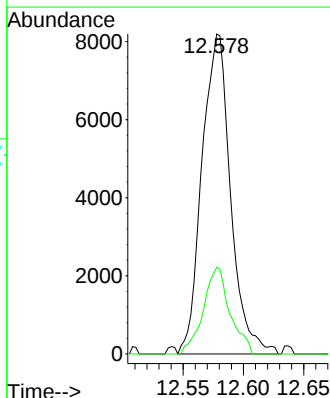
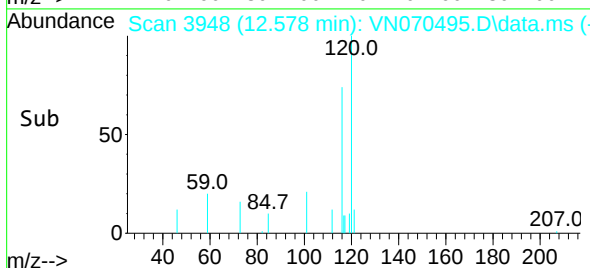
Reviewed By :John Carlone 01/11/2022  
Supervised By :Mahesh Dadoda 01/11/2022

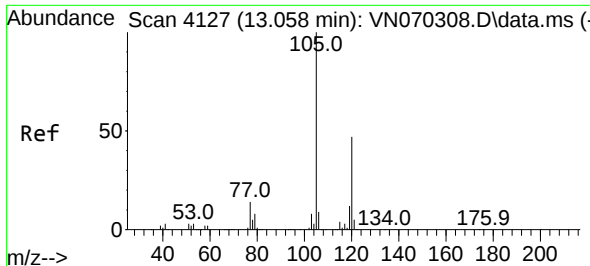


#73  
Isopropylbenzene  
Concen: 0.283 ug/l  
RT: 12.578 min Scan# 3948  
Delta R.T. -0.000 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38



Tgt Ion:105 Resp: 13535  
Ion Ratio Lower Upper  
105 100  
120 25.3 13.4 40.1





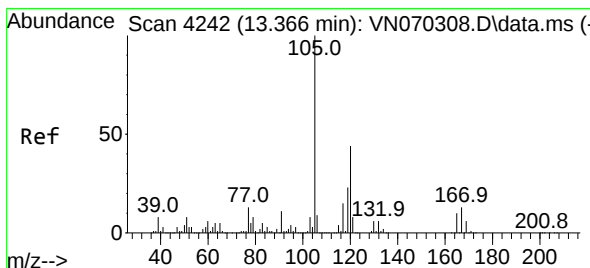
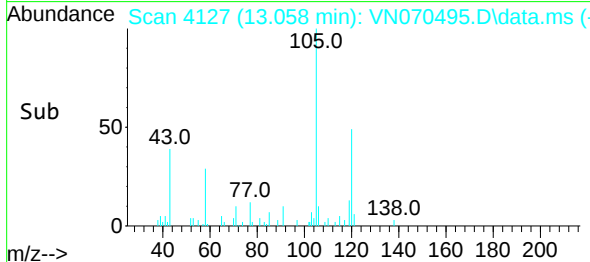
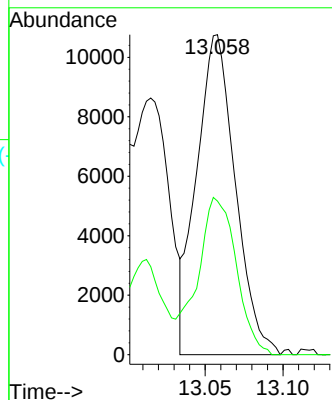
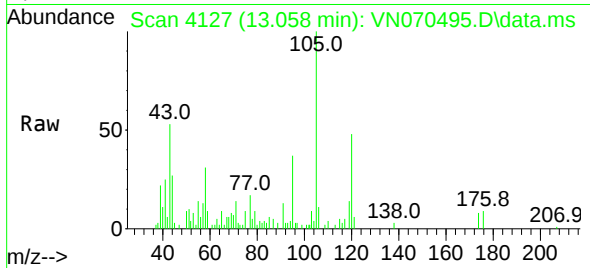
#80  
1,3,5-Trimethylbenzene  
Concen: 0.486 ug/l  
RT: 13.058 min Scan# 4127  
Delta R.T. -0.000 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
31244

Tgt Ion:105 Resp: 18609  
Ion Ratio Lower Upper  
105 100  
120 49.0 24.6 73.6

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/11/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#84  
1,2,4-Trimethylbenzene  
Concen: 1.006 ug/l  
RT: 13.369 min Scan# 4243  
Delta R.T. 0.003 min  
Lab File: VN070495.D  
Acq: 5 Jan 2022 17:38

Tgt Ion:105 Resp: 37124  
Ion Ratio Lower Upper  
105 100  
120 42.6 22.8 68.4

