

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111921\  
 Data File : VN069598.D  
 Acq On : 19 Nov 2021 20:46  
 Operator : JC/MD  
 Sample : M4768-03  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-1

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/22/2021  
 Supervised By : Mahesh Dadoda 11/26/2021

Quant Time: Nov 22 05:09:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.088          | 168  | 1341998             | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.968          | 114  | 2325883             | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.747         | 117  | 2342810             | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.675         | 152  | 929008              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.437          | 65   | 987230              | 50.736 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 101.480% |        |        |          |
| 35) Dibromofluoromethane    | 8.024          | 113  | 680329              | 48.770 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 97.540%  |        |        |          |
| 50) Toluene-d8              | 10.443         | 98   | 2953966             | 53.842 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 107.680% |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.734         | 95   | 1109478             | 55.048 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 110.100% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 16) Acetone                 | 4.301          | 43   | 16264m              | 1.549  | ug/l   |          |
| 18) Methyl Acetate          | 4.873          | 43   | 11772m              | 0.345  | ug/l   |          |
| 52) Toluene                 | 10.508         | 92   | 60621               | 1.611  | ug/l   | 95       |
| 67) Ethyl Benzene           | 11.846         | 91   | 53300               | 0.663  | ug/l   | 90       |
| 68) m/p-Xylenes             | 11.950         | 106  | 91175               | 3.082  | ug/l   | 89       |
| 69) o-Xylene                | 12.280         | 106  | 42124               | 1.428  | ug/l   | 90       |
| 73) Isopropylbenzene        | 12.581         | 105  | 57550               | 0.778  | ug/l   | 94       |
| 78) n-propylbenzene         | 12.921         | 91   | 69666               | 0.837  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene  | 13.061         | 105  | 14917               | 0.249  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene  | 13.369         | 105  | 52826               | 0.915  | ug/l   | 94       |
| 85) sec-Butylbenzene        | 13.503         | 105  | 43404               | 0.593  | ug/l   | 93       |
| -----                       |                |      |                     |        |        |          |

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

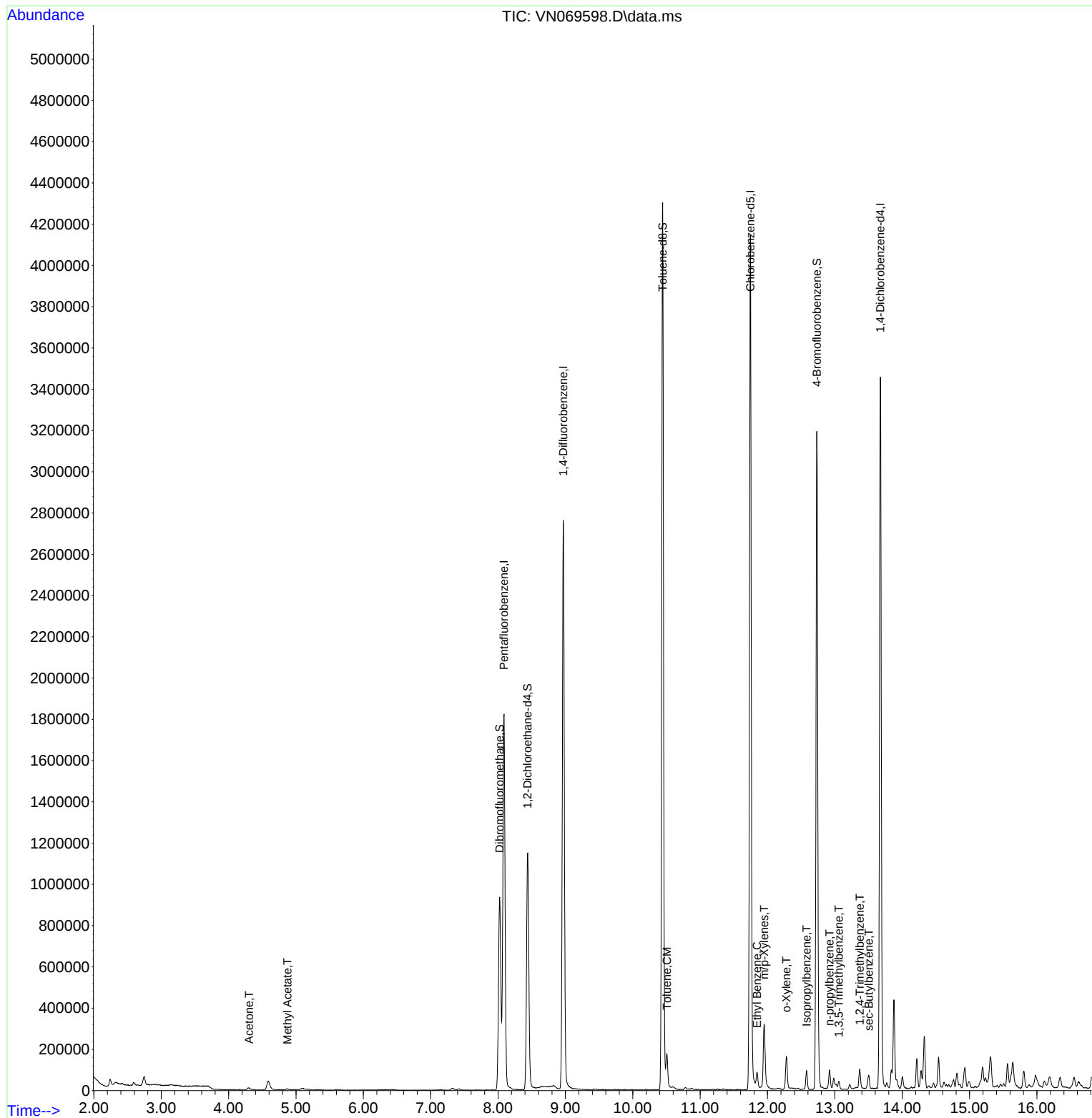
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111921\  
Data File : VN069598.D  
Acq On : 19 Nov 2021 20:46  
Operator : JC/MD  
Sample : M4768-03  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 1

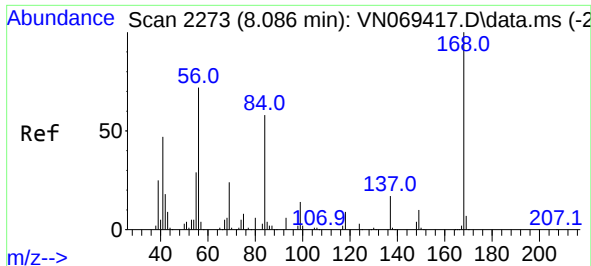
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1

Manual Integrations  
APPROVED

Reviewed By : John Carlone 11/22/2021  
Supervised By : Mahesh Dadoda 11/26/2021

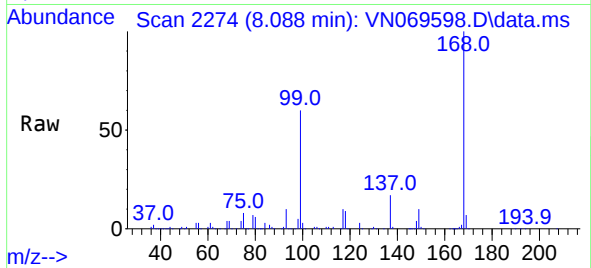
Quant Time: Nov 22 05:09:56 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 09 18:18:22 2021  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

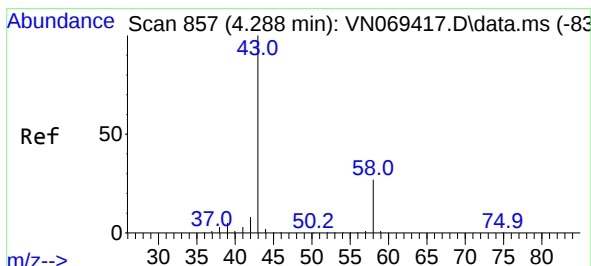
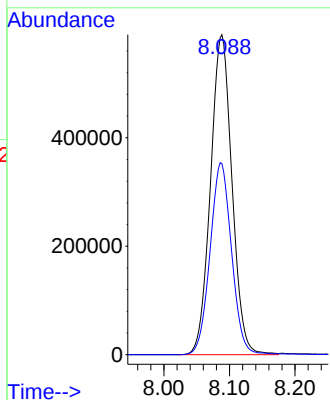
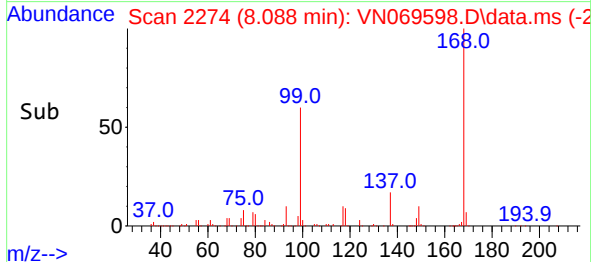
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1



Tgt Ion:168 Resp: 1341998  
Ion Ratio Lower Upper  
168 100  
99 59.8 41.3 61.9

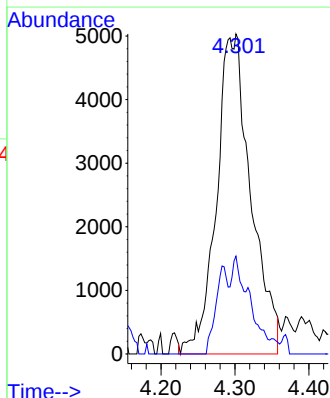
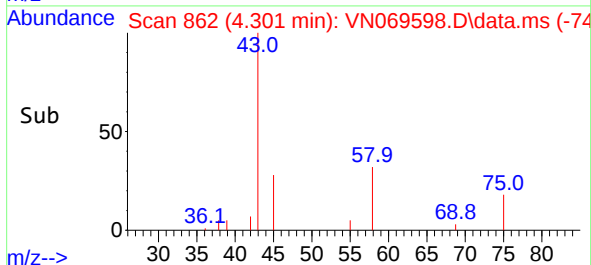
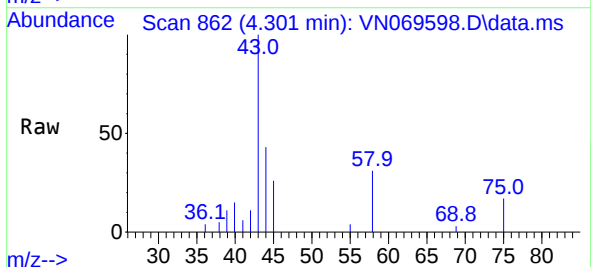
Manual Integrations  
APPROVED

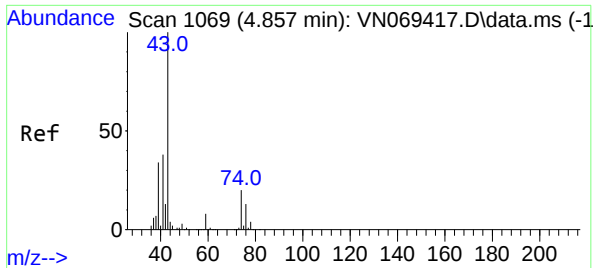
Reviewed By :John Carlone 11/22/2021  
Supervised By :Mahesh Dadoda 11/26/2021



#16  
Acetone  
Concen: 1.549 ug/l m  
RT: 4.301 min Scan# 862  
Delta R.T. 0.013 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

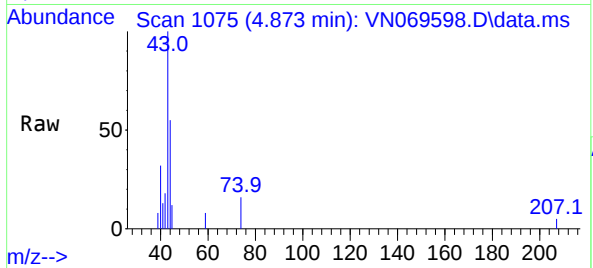
Tgt Ion: 43 Resp: 16264  
Ion Ratio Lower Upper  
43 100  
58 30.5 23.1 34.7





#18  
Methyl Acetate  
Concen: 0.345 ug/l m  
RT: 4.873 min Scan# 1069  
Delta R.T. 0.016 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

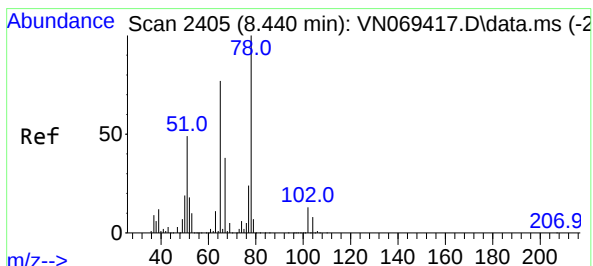
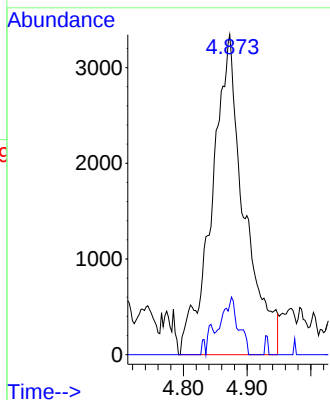
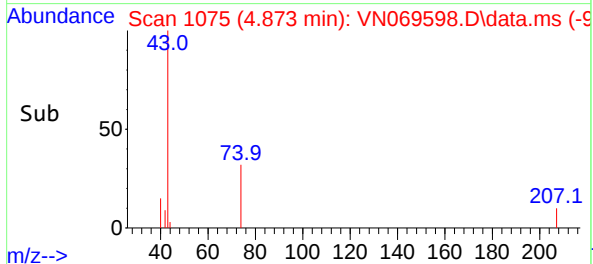
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1



Tgt Ion: 43 Resp: 11772  
Ion Ratio Lower Upper  
43 100  
74 8.9 19.4 29.2

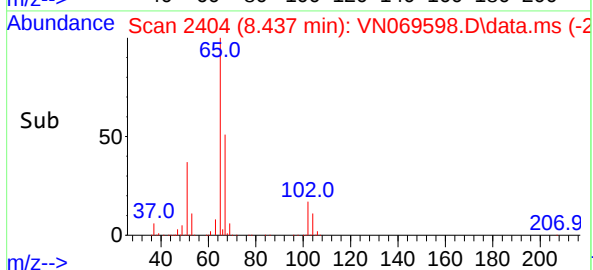
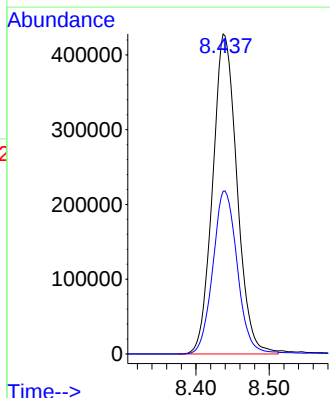
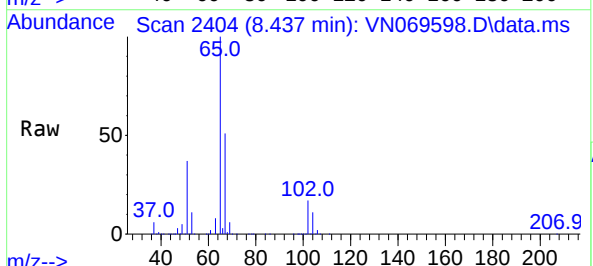
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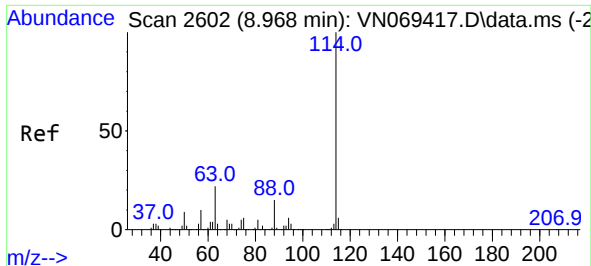
Reviewed By :John Carlone 11/22/2021  
Supervised By :Mahesh Dadoda 11/26/2021



#33  
1,2-Dichloroethane-d4  
Concen: 50.736 ug/l  
RT: 8.437 min Scan# 2404  
Delta R.T. -0.003 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

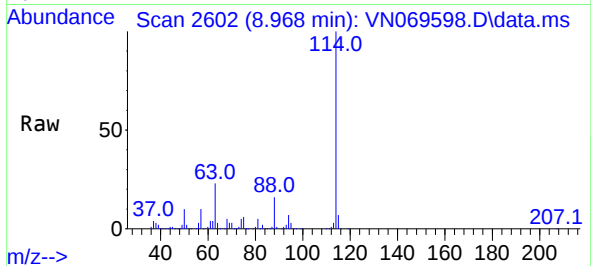
Tgt Ion: 65 Resp: 987230  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 103.0





#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 2100  
Delta R.T. 0.000 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

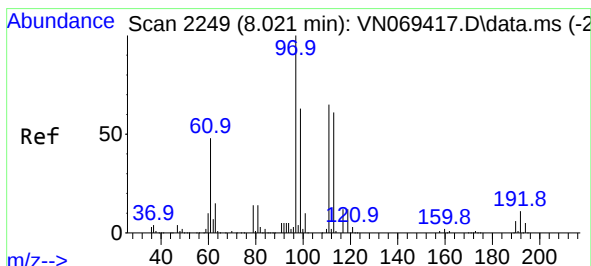
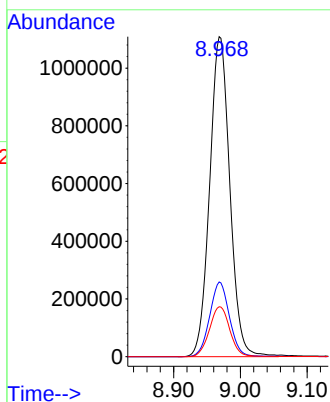
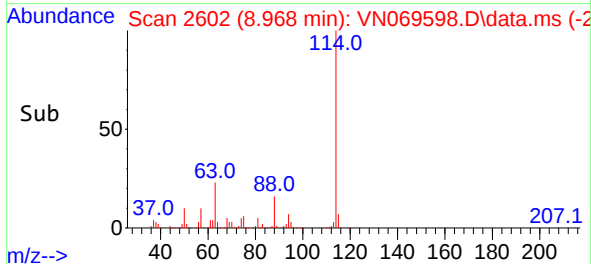
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1



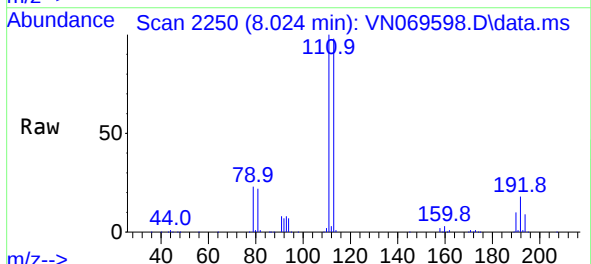
Tgt Ion:114 Resp: 232588  
Ion Ratio Lower Upper  
114 100  
63 23.4 0.0 37.8  
88 15.6 0.0 27.4

Manual Integrations  
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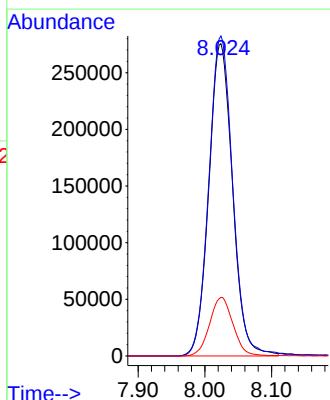
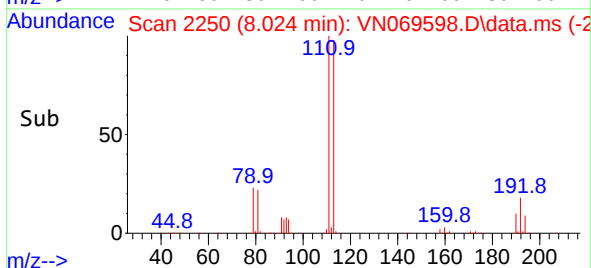
Reviewed By :John Carlone 11/22/2021  
Supervised By :Mahesh Dadoda 11/26/2021

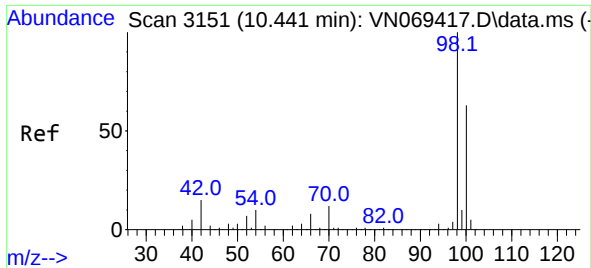


#35  
Dibromofluoromethane  
Concen: 48.770 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46



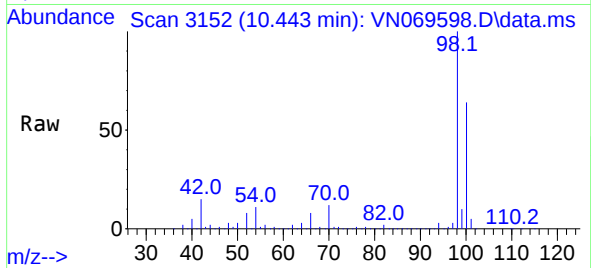
Tgt Ion:113 Resp: 680329  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.2 123.2  
192 18.6 16.9 25.3





#50  
Toluene-d8  
Concen: 53.842 ug/l  
RT: 10.443 min Scan# 3151  
Delta R.T. 0.002 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

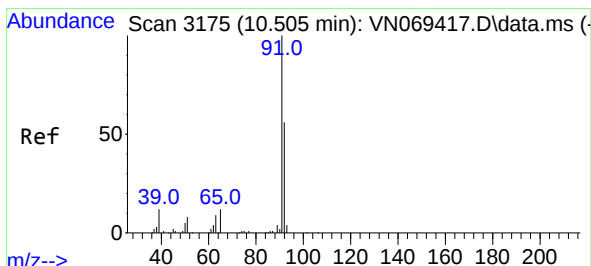
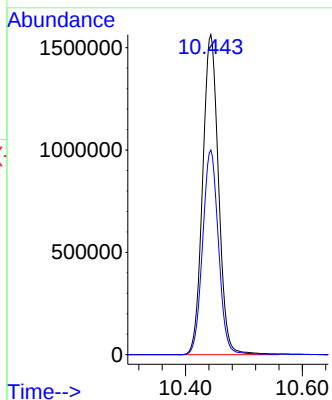
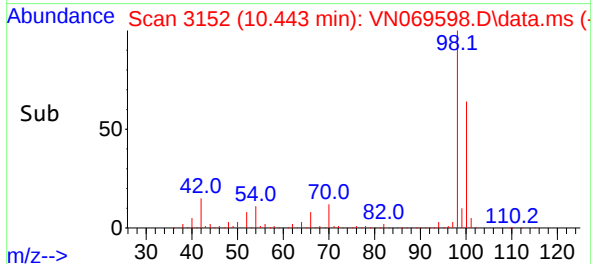
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1



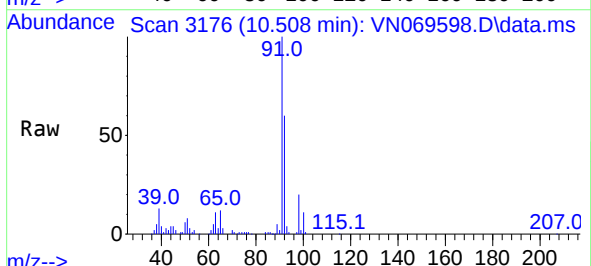
Tgt Ion: 98 Resp: 295396  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.4 75.6

Manual Integrations  
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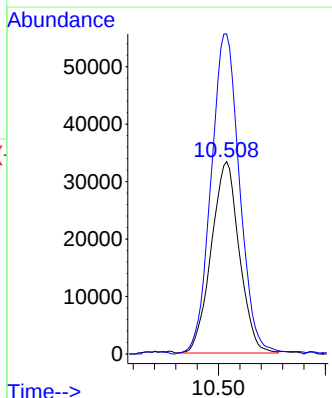
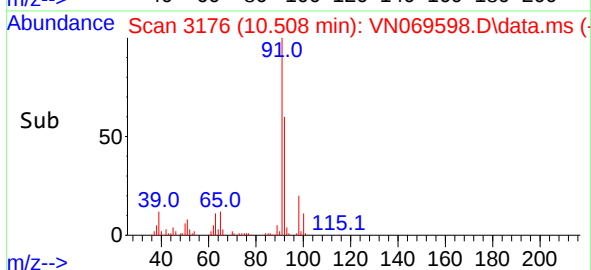
Reviewed By :John Carlone 11/22/2021  
Supervised By :Mahesh Dadoda 11/26/2021

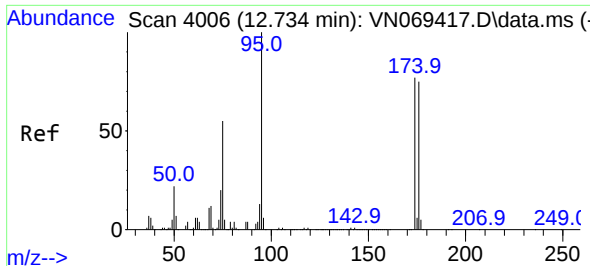


#52  
Toluene  
Concen: 1.611 ug/l  
RT: 10.508 min Scan# 3176  
Delta R.T. 0.003 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46



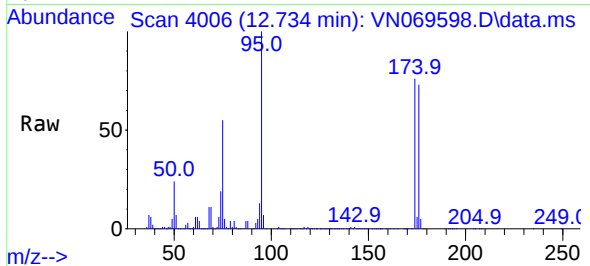
Tgt Ion: 92 Resp: 60621  
Ion Ratio Lower Upper  
92 100  
91 170.6 142.0 213.0





#62  
4-Bromofluorobenzene  
Concen: 55.048 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

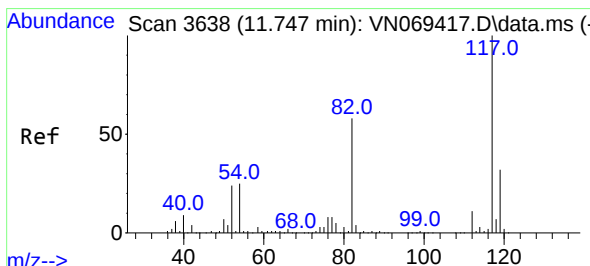
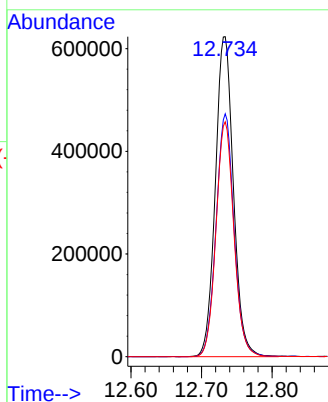
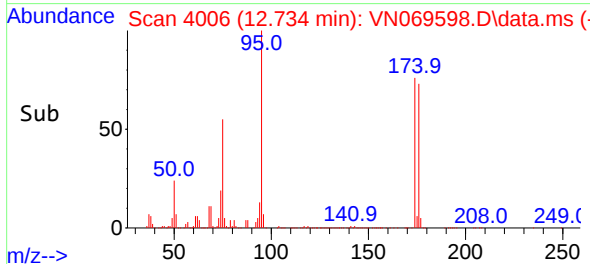
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1



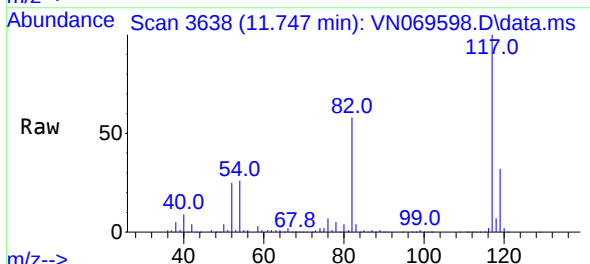
Tgt Ion: 95 Resp: 1109478  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 187.2  
176 72.7 0.0 181.4

Manual Integrations  
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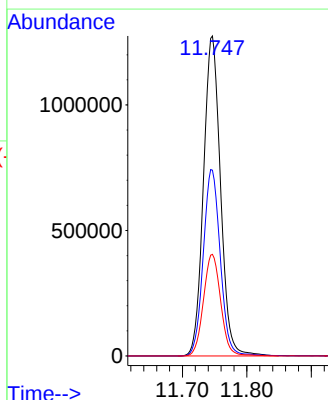
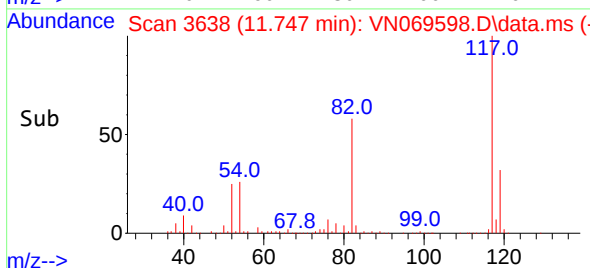
Reviewed By :John Carlone 11/22/2021  
Supervised By :Mahesh Dadoda 11/26/2021

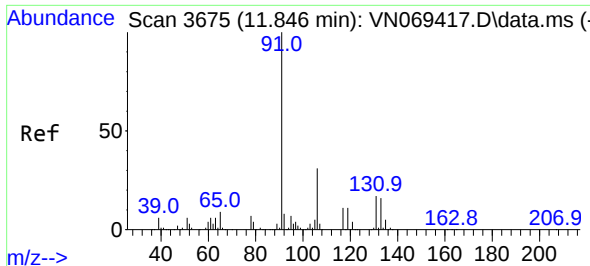


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46



Tgt Ion:117 Resp: 2342810  
Ion Ratio Lower Upper  
117 100  
82 58.1 42.4 63.6  
119 31.8 25.4 38.2





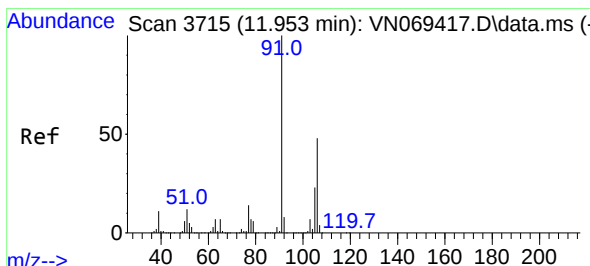
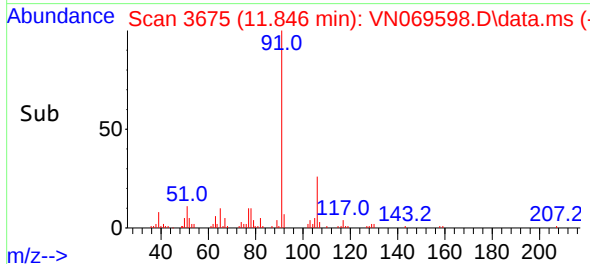
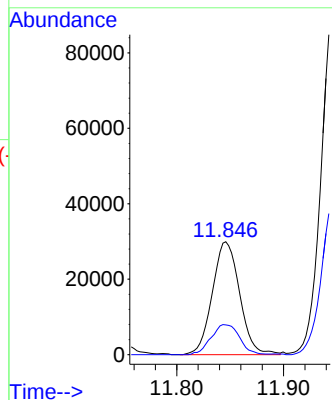
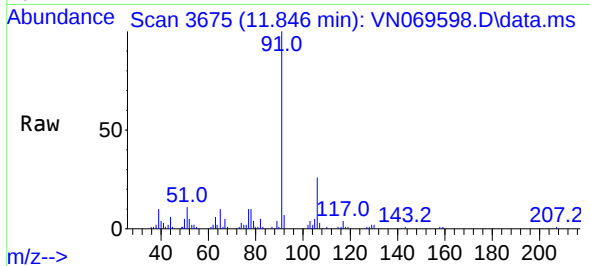
#67  
Ethyl Benzene  
Concen: 0.663 ug/l  
RT: 11.846 min Scan# 3675  
Delta R.T. -0.000 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1

Tgt Ion: 91 Resp: 53300  
Ion Ratio Lower Upper  
91 100  
106 26.4 25.7 38.5

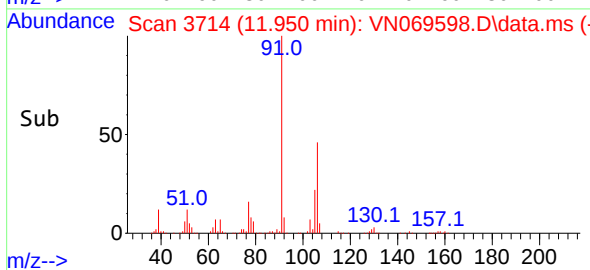
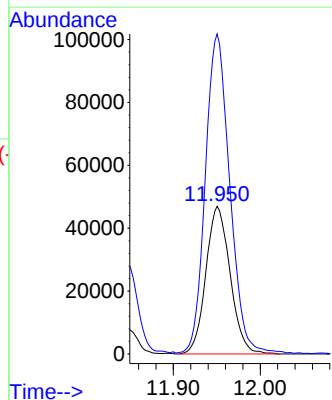
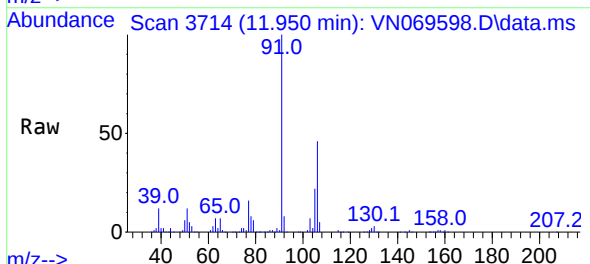
Manual Integrations  
APPROVED

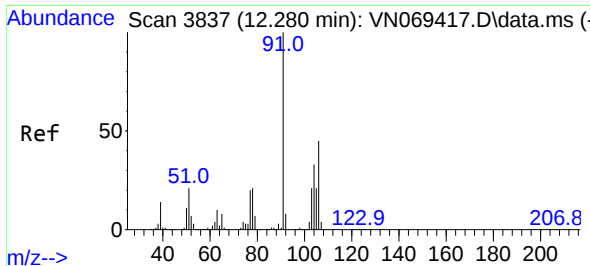
Reviewed By :John Carlone 11/22/2021  
Supervised By :Mahesh Dadoda 11/26/2021



#68  
m/p-Xylenes  
Concen: 3.082 ug/l  
RT: 11.950 min Scan# 3714  
Delta R.T. -0.003 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

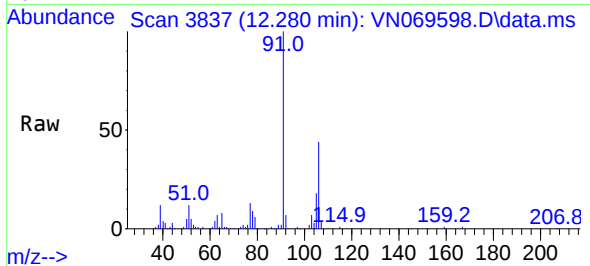
Tgt Ion:106 Resp: 91175  
Ion Ratio Lower Upper  
106 100  
91 217.5 160.6 240.8





#69  
o-Xylene  
Concen: 1.428 ug/l  
RT: 12.280 min Scan# 3837  
Delta R.T. 0.000 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

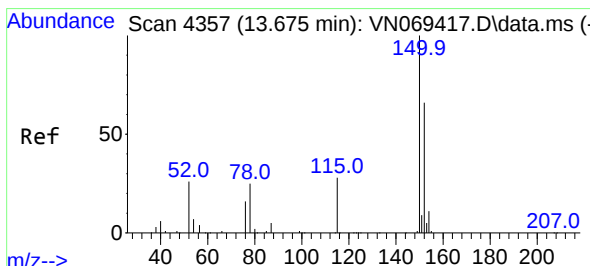
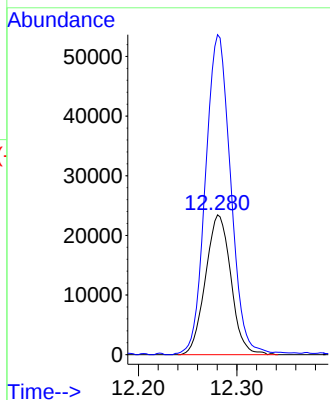
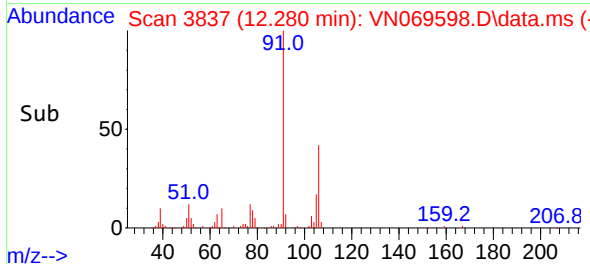
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1



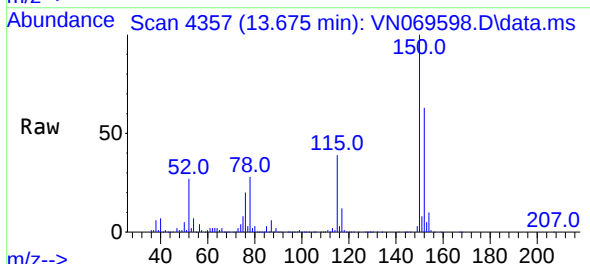
Tgt Ion:106 Resp: 42124  
Ion Ratio Lower Upper  
106 100  
91 226.7 105.8 317.3

Manual Integrations  
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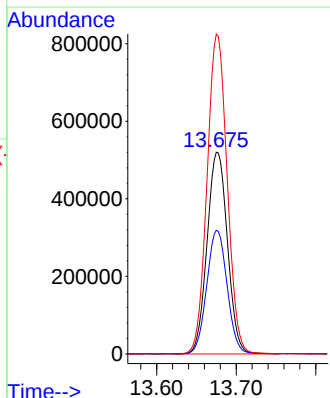
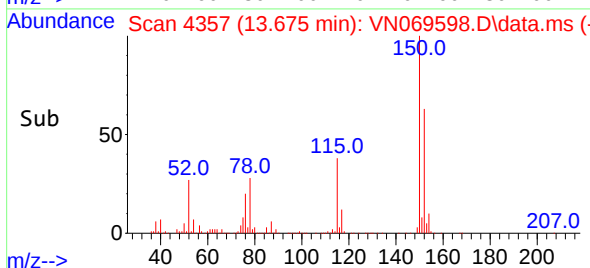
Reviewed By :John Carlone 11/22/2021  
Supervised By :Mahesh Dadoda 11/26/2021

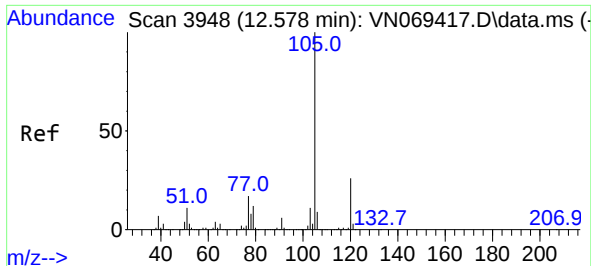


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.675 min Scan# 4357  
Delta R.T. -0.000 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46



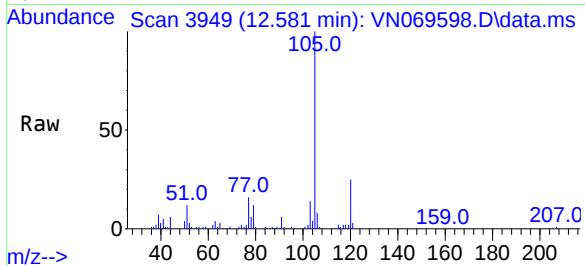
Tgt Ion:152 Resp: 929008  
Ion Ratio Lower Upper  
152 100  
115 61.1 27.5 82.5  
150 156.0 0.0 344.4





#73  
Isopropylbenzene  
Concen: 0.778 ug/l  
RT: 12.581 min Scan# 3949  
Delta R.T. 0.003 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

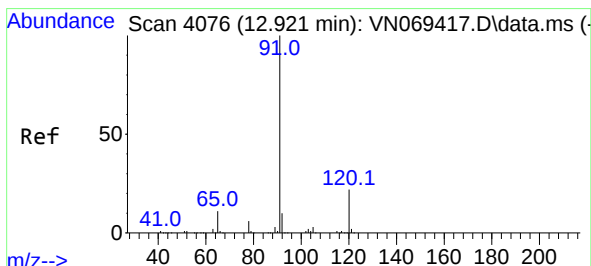
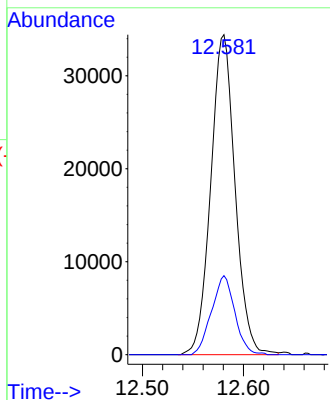
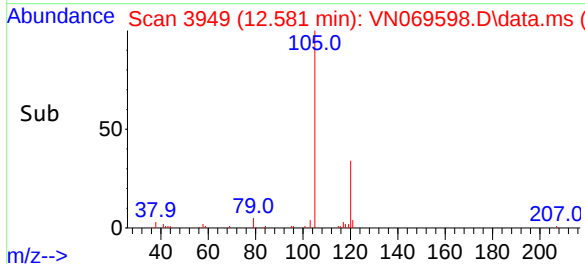
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1



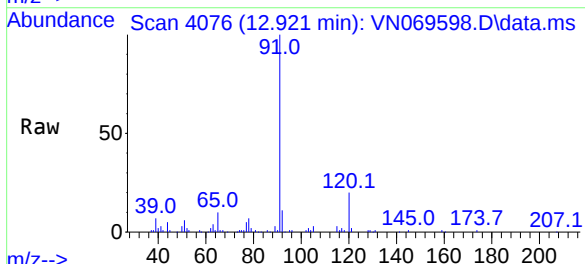
Tgt Ion:105 Resp: 57550  
Ion Ratio Lower Upper  
105 100  
120 23.6 13.4 40.1

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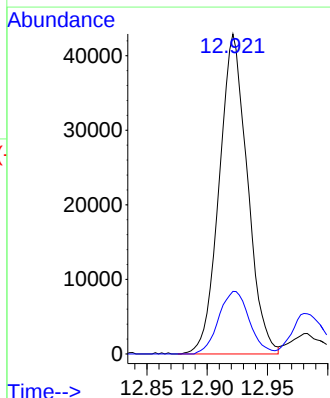
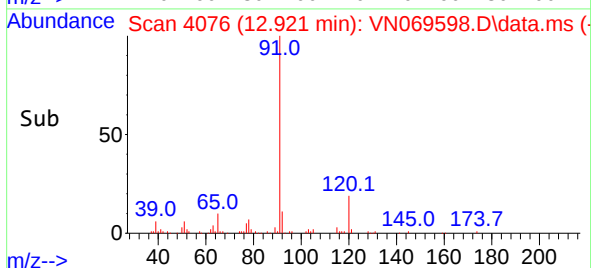
Reviewed By :John Carlone 11/22/2021  
Supervised By :Mahesh Dadoda 11/26/2021

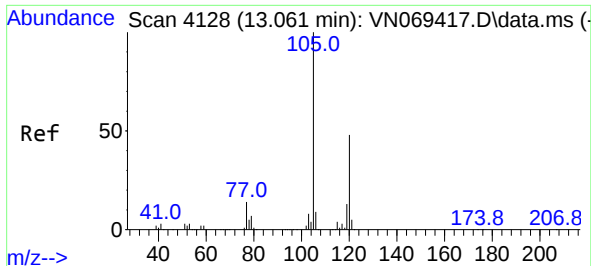


#78  
n-propylbenzene  
Concen: 0.837 ug/l  
RT: 12.921 min Scan# 4076  
Delta R.T. 0.000 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46



Tgt Ion: 91 Resp: 69666  
Ion Ratio Lower Upper  
91 100  
120 21.3 11.9 35.9





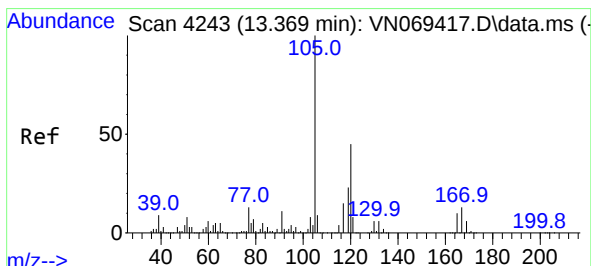
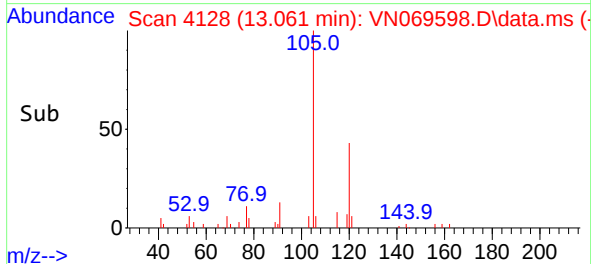
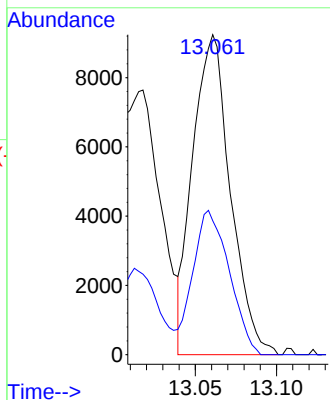
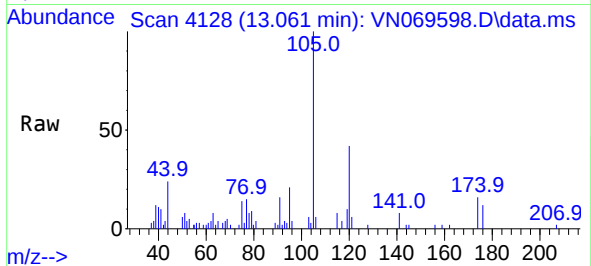
#80  
1,3,5-Trimethylbenzene  
Concen: 0.249 ug/l  
RT: 13.061 min Scan# 4128  
Delta R.T. -0.000 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1

Tgt Ion:105 Resp: 1491  
Ion Ratio Lower Upper  
105 100  
120 44.1 24.6 73.6

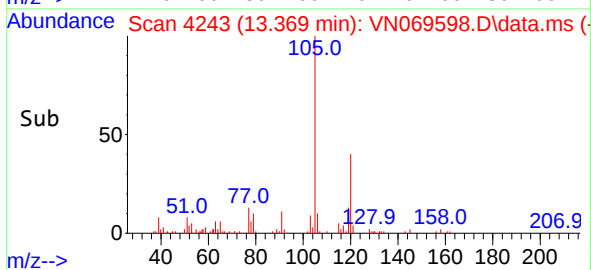
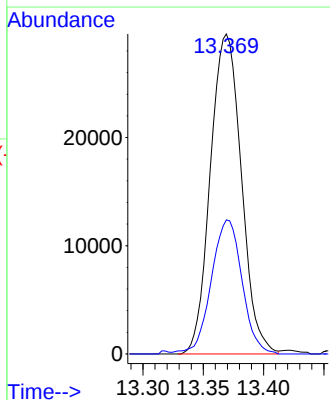
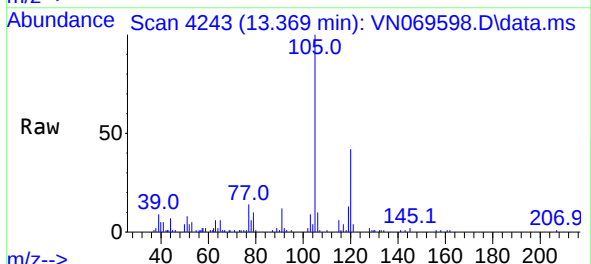
Manual Integrations  
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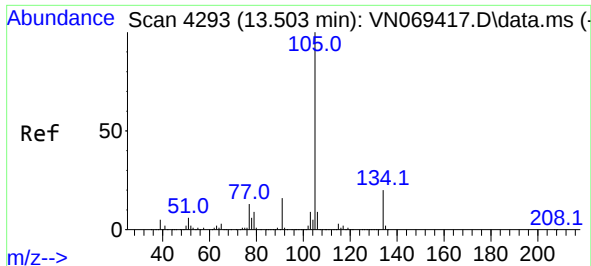
Reviewed By :John Carlone 11/22/2021  
Supervised By :Mahesh Dadoda 11/26/2021



#84  
1,2,4-Trimethylbenzene  
Concen: 0.915 ug/l  
RT: 13.369 min Scan# 4243  
Delta R.T. 0.000 min  
Lab File: VN069598.D  
Acq: 19 Nov 2021 20:46

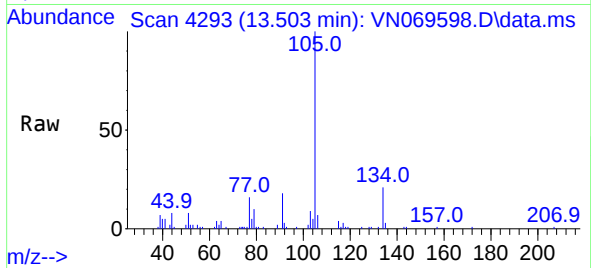
Tgt Ion:105 Resp: 52826  
Ion Ratio Lower Upper  
105 100  
120 41.6 22.8 68.4





#85  
 sec-Butylbenzene  
 Concen: 0.593 ug/l  
 RT: 13.503 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VN069598.D  
 Acq: 19 Nov 2021 20:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-1



Tgt Ion:105 Resp: 43404  
 Ion Ratio Lower Upper  
 105 100  
 134 23.9 10.4 31.1

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 11/22/2021  
 Supervised By :Mahesh Dadoda 11/26/2021

