

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031122\  
 Data File : VX027399.D  
 Acq On : 11 Mar 2022 14:08  
 Operator : JC/MD  
 Sample : N1895-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-4

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/14/2022  
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 11 23:11:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X030822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 15:54:34 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 401789     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 633918     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 586610     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 288631     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964          | 65   | 200280     | 42.745   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 85.480%  |        |          |
| 35) Dibromofluoromethane    | 5.391          | 113  | 198301     | 48.479   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 96.960%  |        |          |
| 50) Toluene-d8              | 8.653          | 98   | 750365     | 48.591   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 97.180%  |        |          |
| 62) 4-Bromofluorobenzene    | 11.085         | 95   | 272434     | 46.288   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 92.580%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 31) Cyclohexane             | 5.477          | 56   | 79269      | 12.095   | ug/l   | 97       |
| 39) Methylcyclohexane       | 7.385          | 83   | 122618     | 17.098   | ug/l   | 95       |
| 40) Benzene                 | 6.050          | 78   | 41561      | 2.403    | ug/l   | 99       |
| 52) Toluene                 | 8.720          | 92   | 780214     | 70.755   | ug/l   | 99       |
| 67) Ethyl Benzene           | 10.201         | 91   | 8816453    | 414.244  | ug/l # | 81       |
| 68) m/p-Xylenes             | 10.311         | 106  | 8807491    | 1055.014 | ug/l # | 73       |
| 69) o-Xylene                | 10.646         | 106  | 3112343    | 377.611  | ug/l   | 89       |
| 73) Isopropylbenzene        | 10.963         | 105  | 1073122    | 50.837   | ug/l   | 100      |
| 78) n-propylbenzene         | 11.305         | 91   | 2474475    | 104.211  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene  | 11.457         | 105  | 3662381    | 202.366  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 11.756         | 105  | 10536686   | 587.022  | ug/l   | 85       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 102976m    | 4.720    | ug/l   |          |
| 86) p-Isopropyltoluene      | 12.012         | 119  | 53985      | 2.923    | ug/l # | 77       |
| 95) Naphthalene             | 13.780         | 128  | 4369562    | 200.960  | ug/l   | 98       |
| -----                       |                |      |            |          |        |          |

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

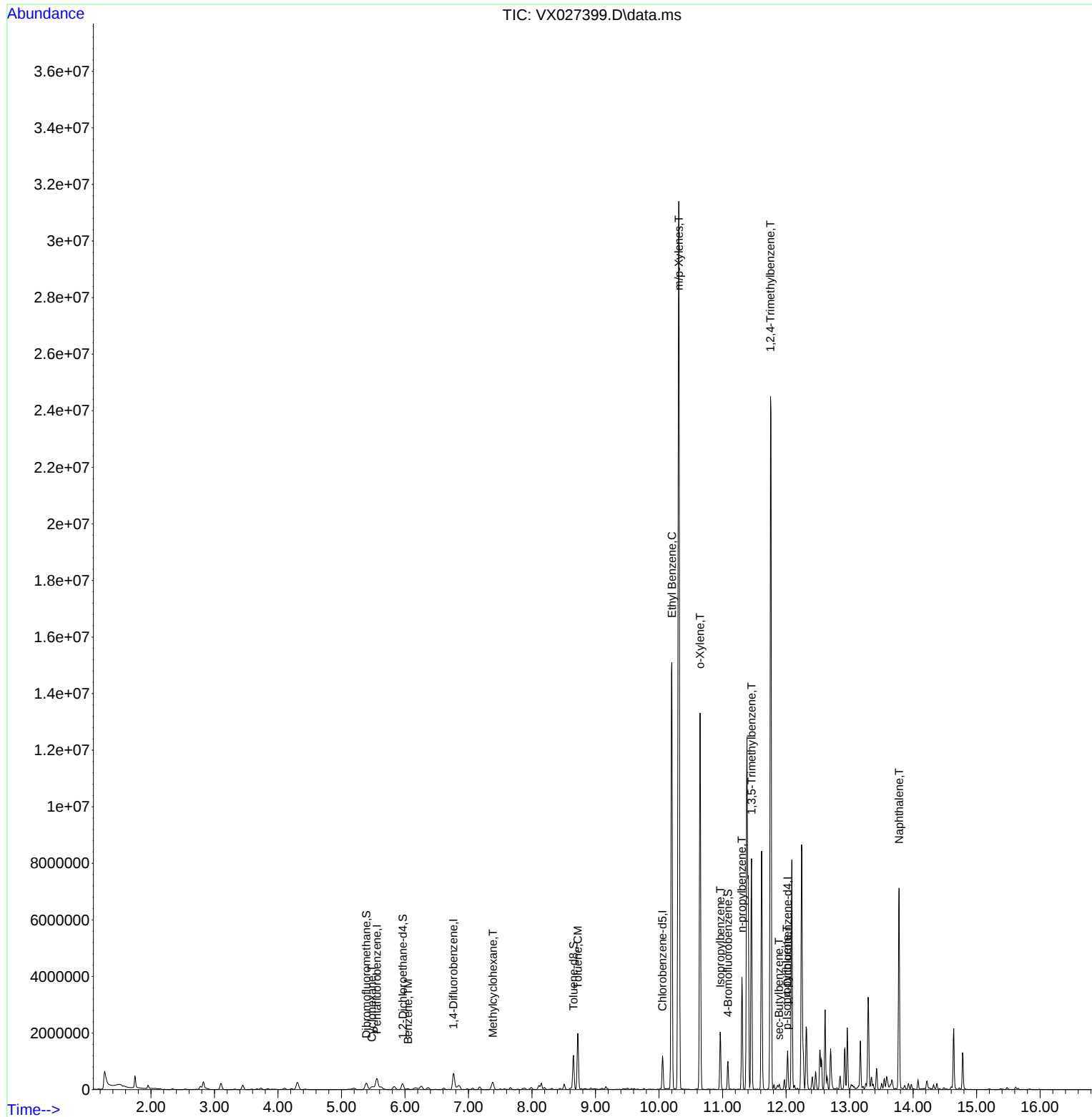
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031122\  
Data File : VX027399.D  
Acq On : 11 Mar 2022 14:08  
Operator : JC/MD  
Sample : N1895-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

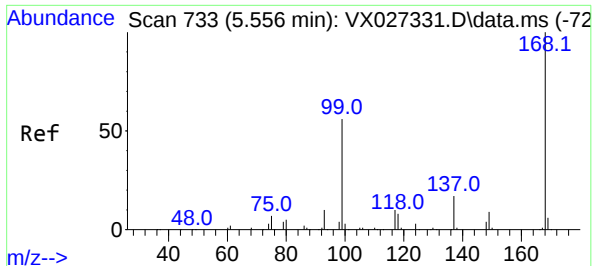
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

Manual Integrations  
APPROVED

Reviewed By : John Carlone 03/14/2022  
Supervised By : Mahesh Dadoda 03/14/2022

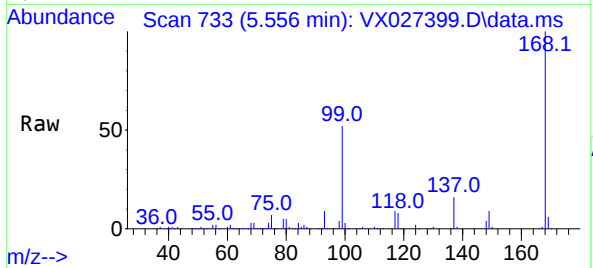
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X030822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 08 15:54:34 2022  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. -0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

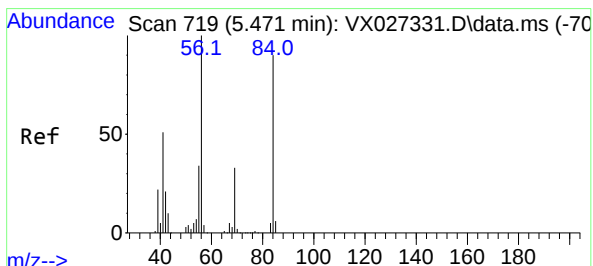
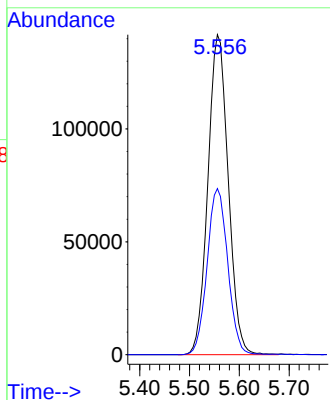
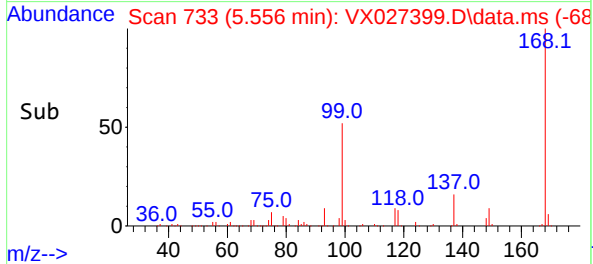
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4



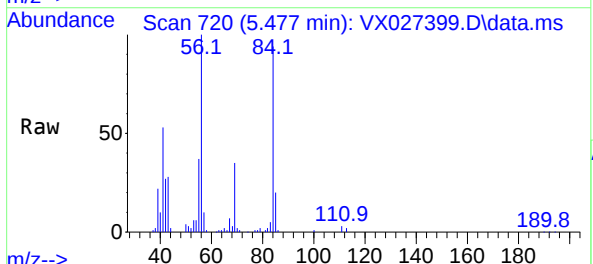
Tgt Ion:168 Resp: 401789  
Ion Ratio Lower Upper  
168 100  
99 51.9 41.7 62.5

Manual Integrations  
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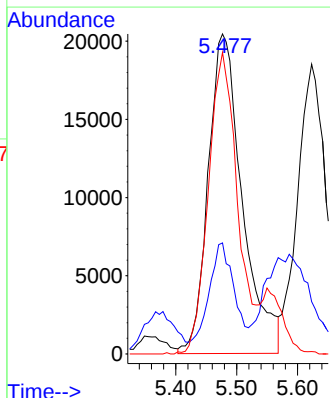
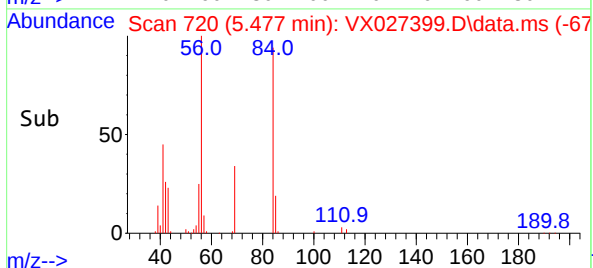
Reviewed By :John Carlone 03/14/2022  
Supervised By :Mahesh Dadoda 03/14/2022

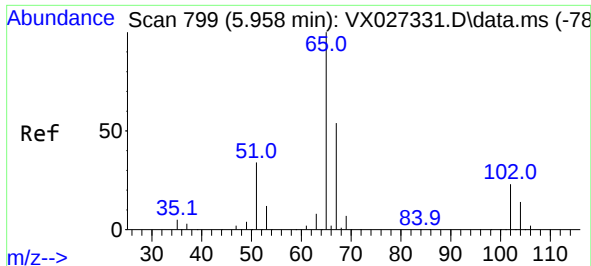


#31  
Cyclohexane  
Concen: 12.095 ug/l  
RT: 5.477 min Scan# 720  
Delta R.T. 0.006 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08



Tgt Ion: 56 Resp: 79269  
Ion Ratio Lower Upper  
56 100  
69 28.2 26.7 40.1  
84 95.1 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 42.745 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX027399.D

Acq: 11 Mar 2022 14:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-4

Tgt Ion: 65 Resp: 200280

Ion Ratio Lower Upper

65 100

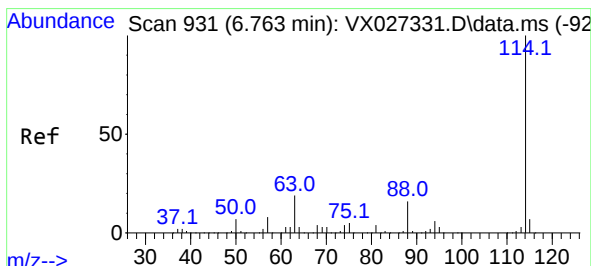
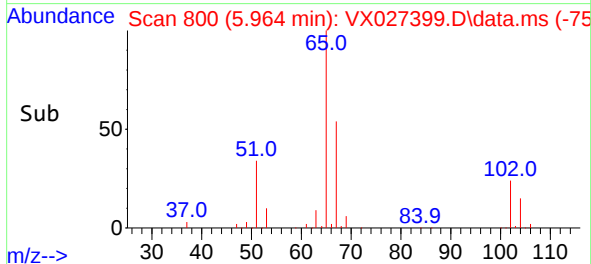
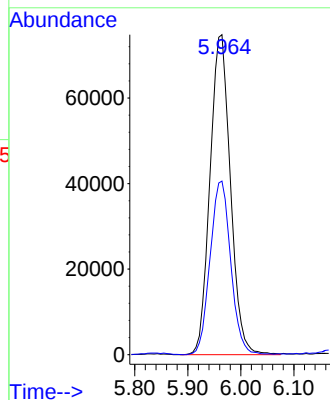
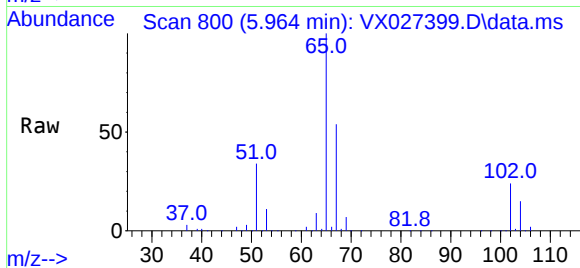
67 54.8 0.0 107.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027399.D

Acq: 11 Mar 2022 14:08

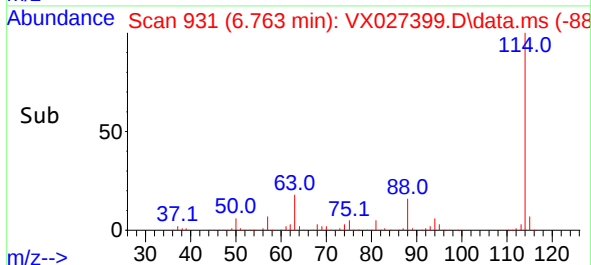
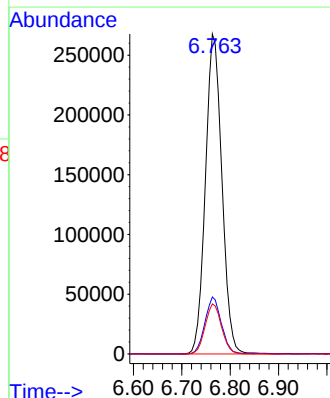
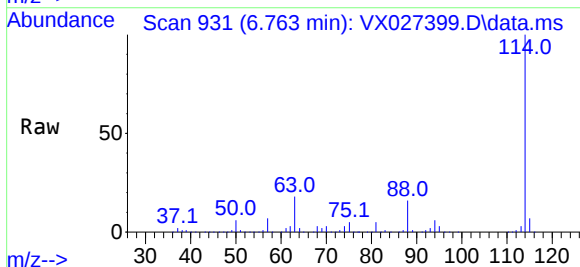
Tgt Ion:114 Resp: 633918

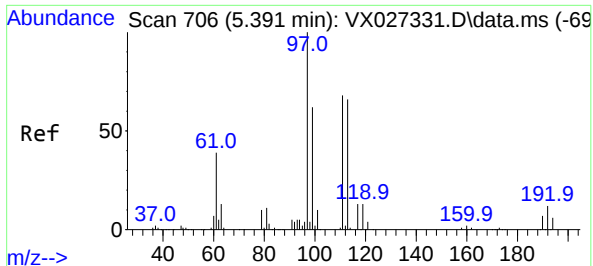
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

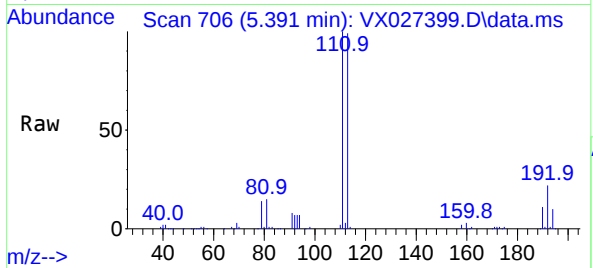
88 15.7 0.0 32.4





#35  
Dibromofluoromethane  
Concen: 48.479 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

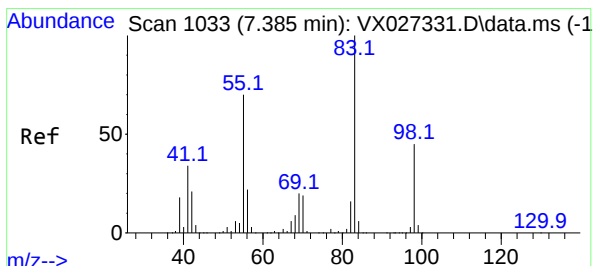
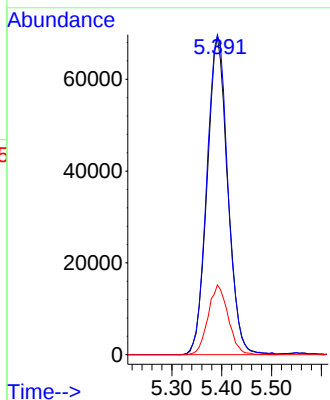
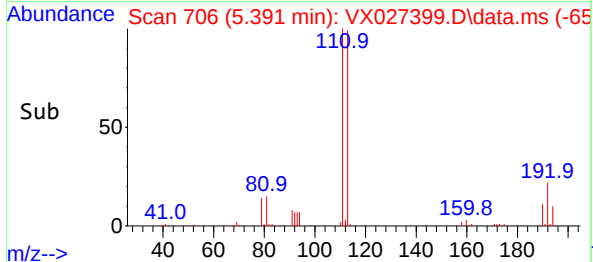
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4



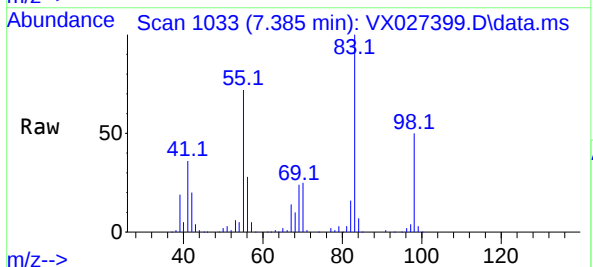
Tgt Ion: 113 Resp: 19830  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.8 124.2  
192 21.4 16.9 25.3

Manual Integrations  
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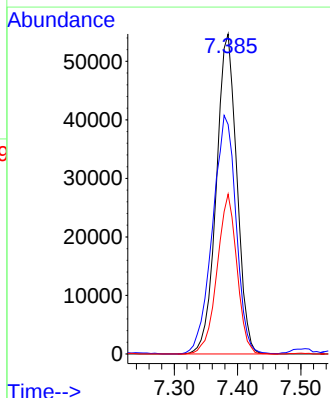
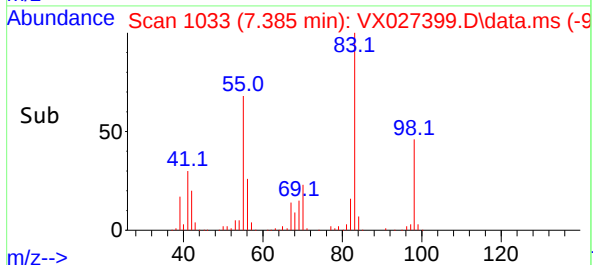
Reviewed By :John Carlone 03/14/2022  
Supervised By :Mahesh Dadoda 03/14/2022

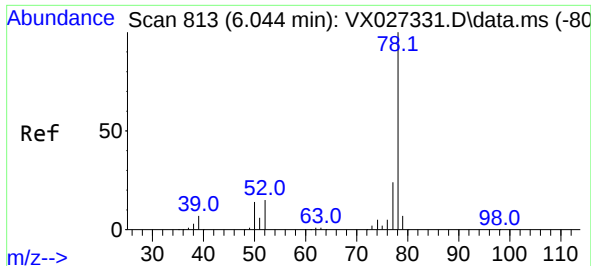


#39  
Methylcyclohexane  
Concen: 17.098 ug/l  
RT: 7.385 min Scan# 1033  
Delta R.T. -0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08



Tgt Ion: 83 Resp: 122618  
Ion Ratio Lower Upper  
83 100  
55 71.7 54.6 81.8  
98 50.0 37.4 56.2





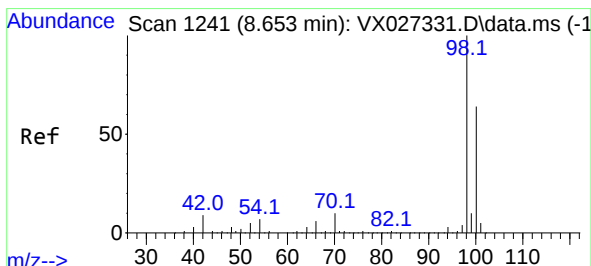
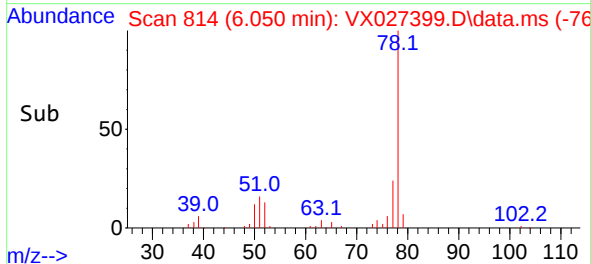
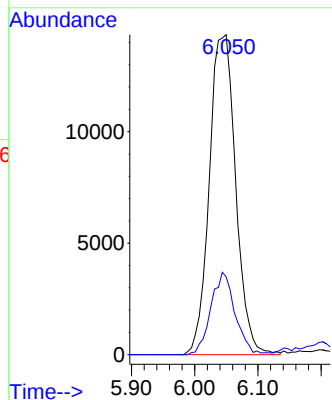
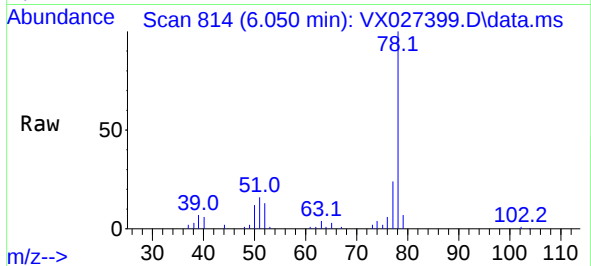
#40  
Benzene  
Concen: 2.403 ug/l  
RT: 6.050 min Scan# 813  
Delta R.T. 0.006 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

Tgt Ion: 78 Resp: 4156  
Ion Ratio Lower Upper  
78 100  
77 24.4 19.3 28.9

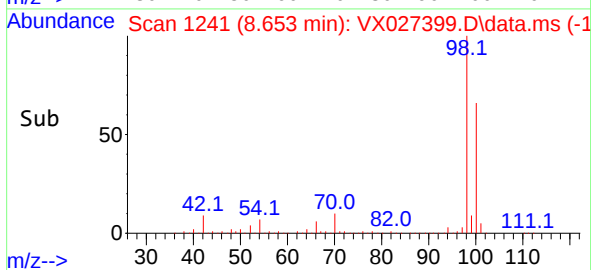
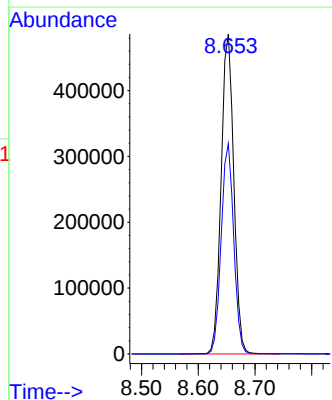
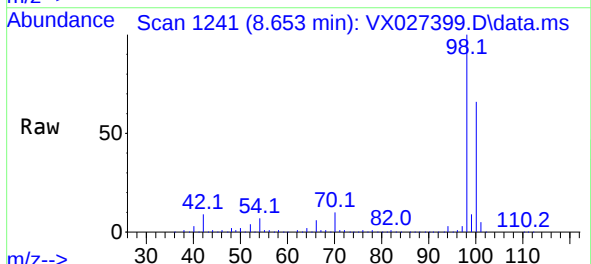
Manual Integrations  
APPROVED

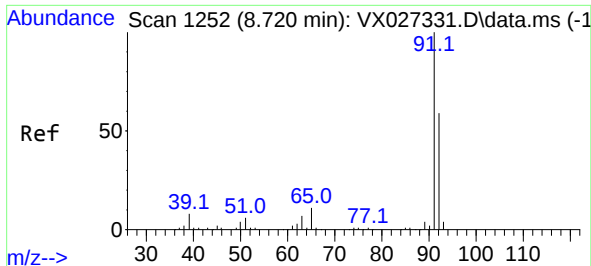
Reviewed By :John Carlone 03/14/2022  
Supervised By :Mahesh Dadoda 03/14/2022



#50  
Toluene-d8  
Concen: 48.591 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

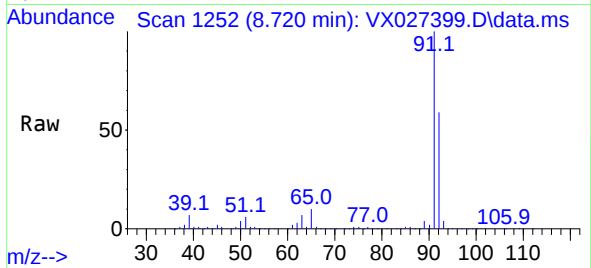
Tgt Ion: 98 Resp: 750365  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.6 78.8





#52  
Toluene  
Concen: 70.755 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

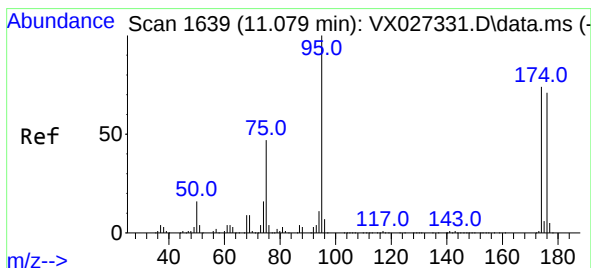
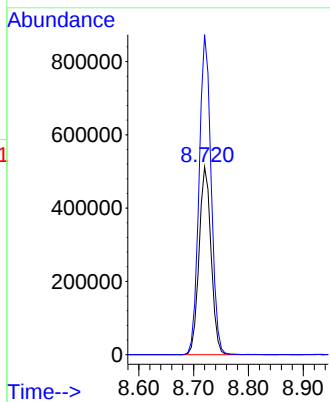
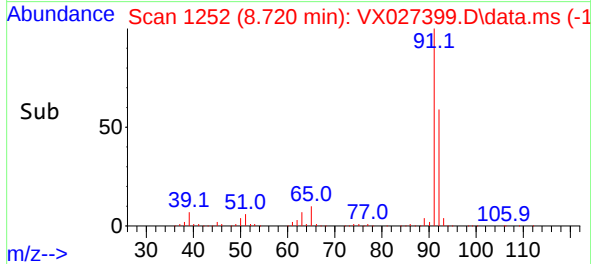
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4



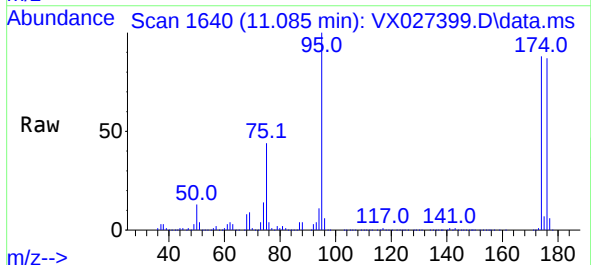
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Ion Ratio Lower Upper  
92 100  
91 170.8 137.5 206.3

Manual Integrations  
APPROVED

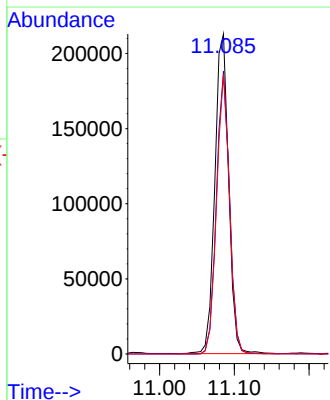
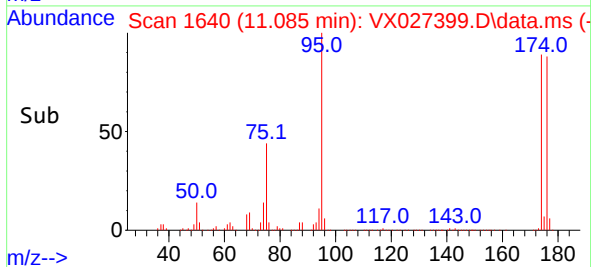
Reviewed By :John Carlone 03/14/2022  
Supervised By :Mahesh Dadoda 03/14/2022

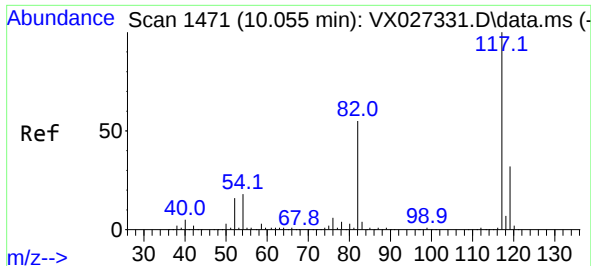


#62  
4-Bromofluorobenzene  
Concen: 46.288 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08



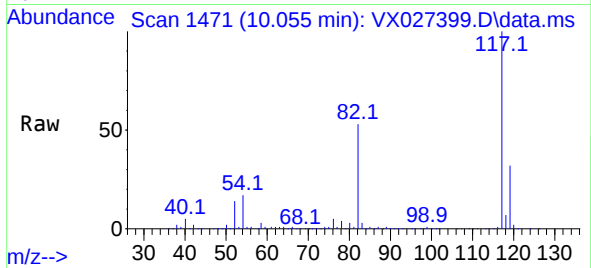
Tgt Ion: 95 Resp: 272434  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 163.0  
176 82.2 0.0 155.0





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

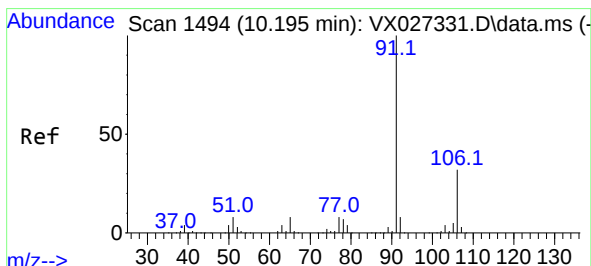
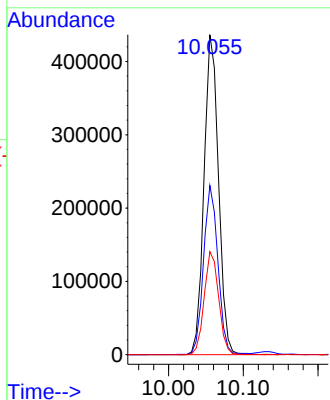
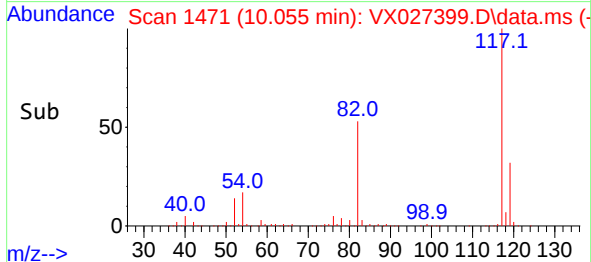
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4



Tgt Ion:117 Resp: 586610  
Ion Ratio Lower Upper  
117 100  
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119 32.2 24.8 37.2

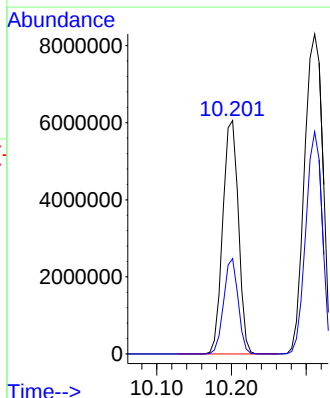
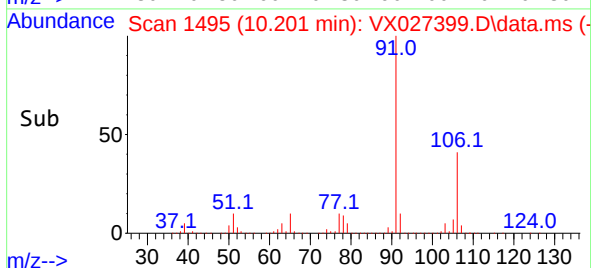
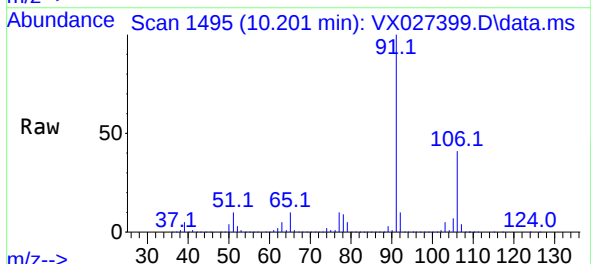
Manual Integrations  
APPROVED

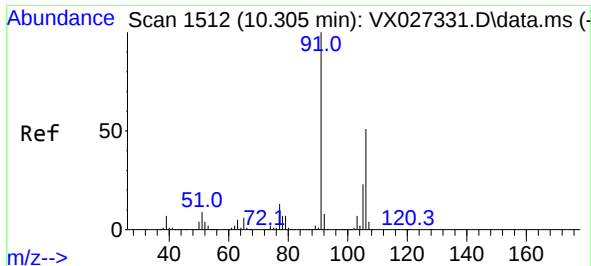
Reviewed By :John Carlone 03/14/2022  
Supervised By :Mahesh Dadoda 03/14/2022



#67  
Ethyl Benzene  
Concen: 414.244 ug/l  
RT: 10.201 min Scan# 1495  
Delta R.T. 0.006 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

Tgt Ion: 91 Resp: 8816453  
Ion Ratio Lower Upper  
91 100  
106 40.9 24.6 36.8#





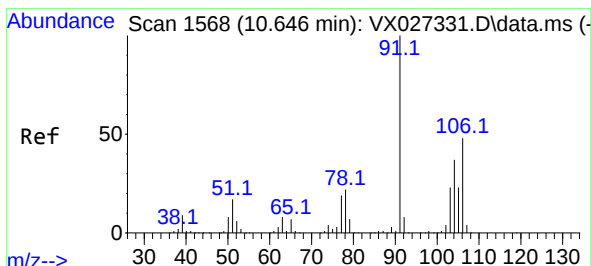
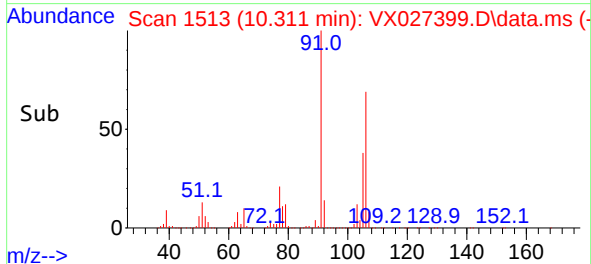
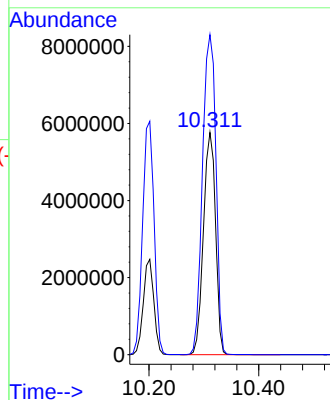
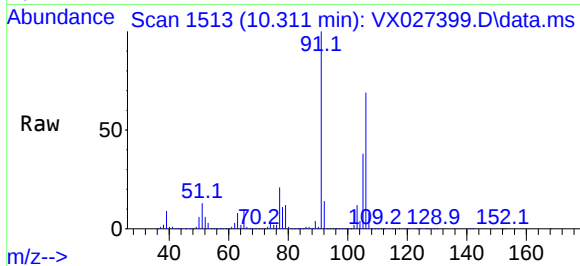
#68  
m/p-Xylenes  
Concen: 1055.014 ug/l  
RT: 10.311 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

Tgt Ion:106 Resp: 880749  
Ion Ratio Lower Upper  
106 100  
91 159.6 160.4 240.6

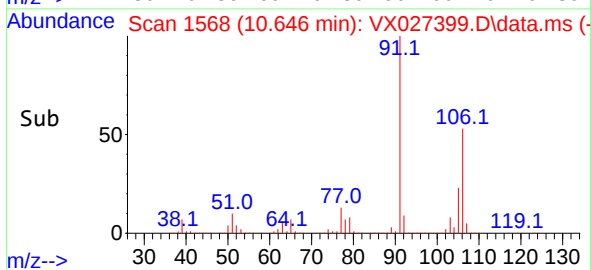
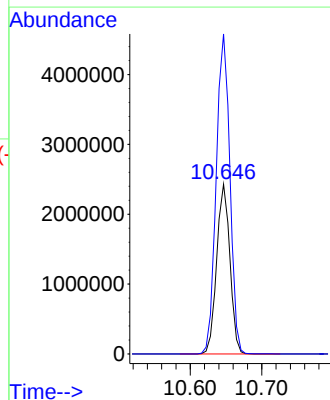
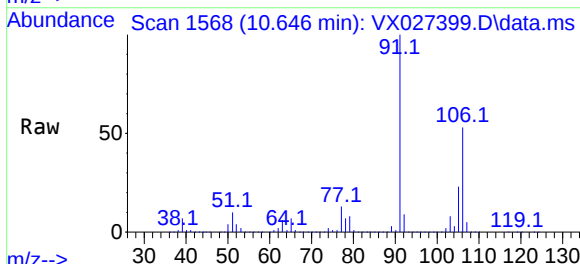
Manual Integrations  
APPROVED

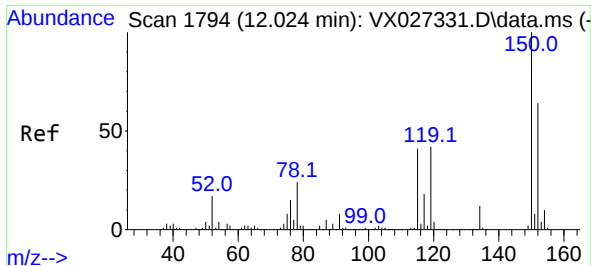
Reviewed By :John Carlone 03/14/2022  
Supervised By :Mahesh Dadoda 03/14/2022



#69  
o-Xylene  
Concen: 377.611 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

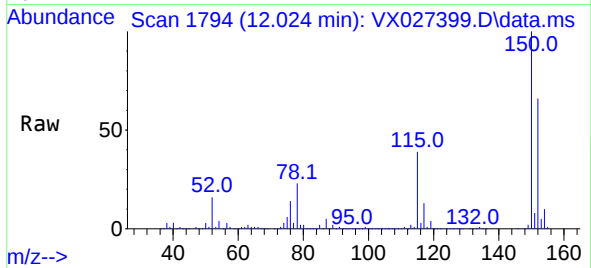
Tgt Ion:106 Resp: 3112343  
Ion Ratio Lower Upper  
106 100  
91 195.0 106.1 318.1





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

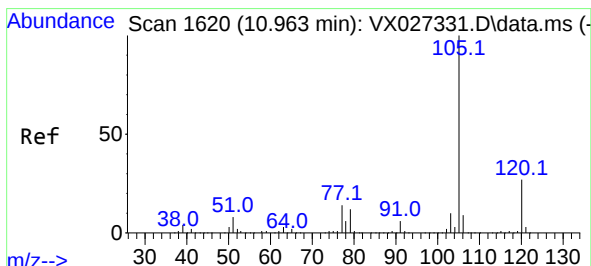
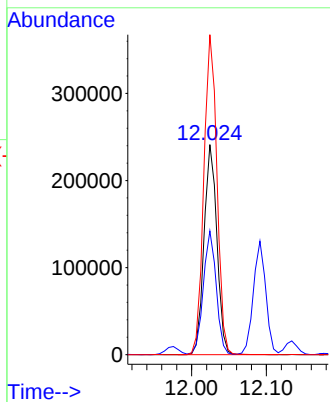
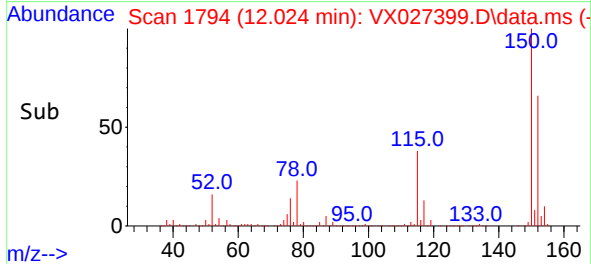
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4



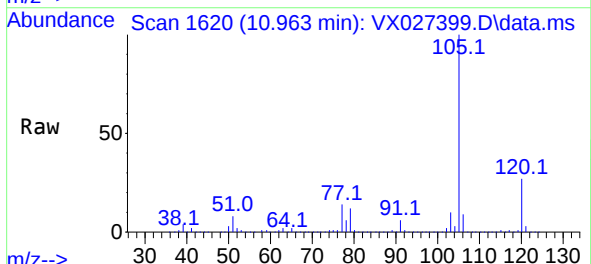
Tgt Ion:152 Resp: 28863  
Ion Ratio Lower Upper  
152 100  
115 58.2 37.5 112.7  
150 155.0 0.0 338.2

Manual Integrations  
APPROVED

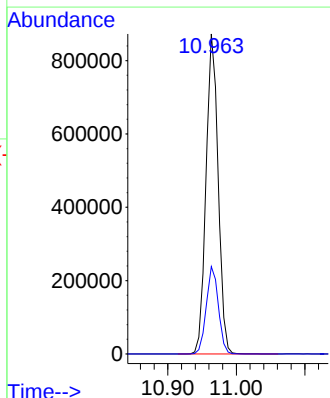
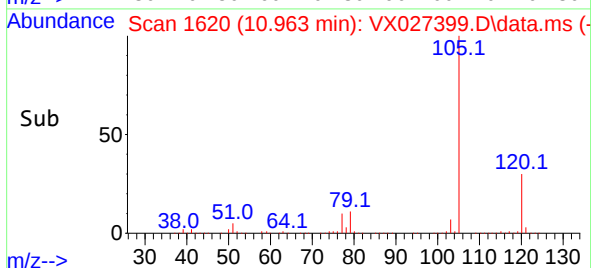
Reviewed By :John Carlone 03/14/2022  
Supervised By :Mahesh Dadoda 03/14/2022

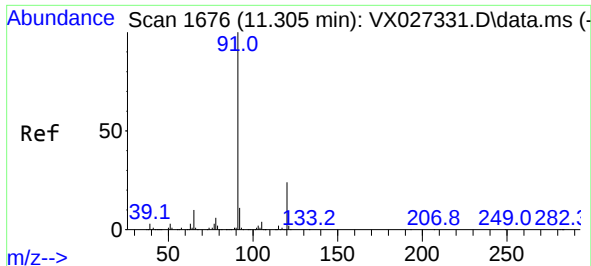


#73  
Isopropylbenzene  
Concen: 50.837 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08



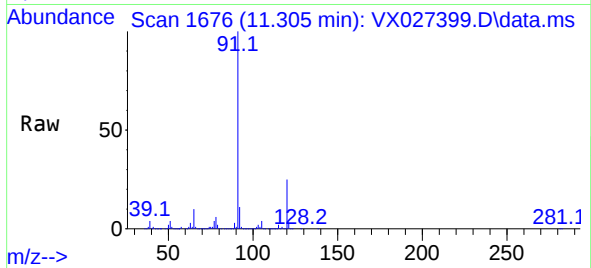
Tgt Ion:105 Resp: 1073122  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.5 40.5





#78  
n-propylbenzene  
Concen: 104.211 ug/l  
RT: 11.305 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

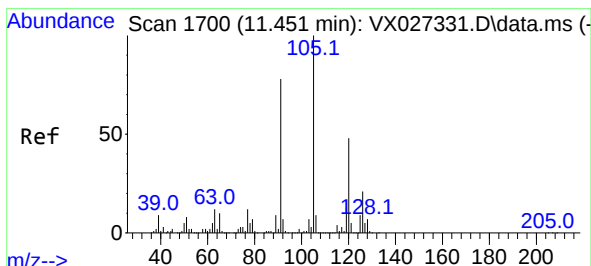
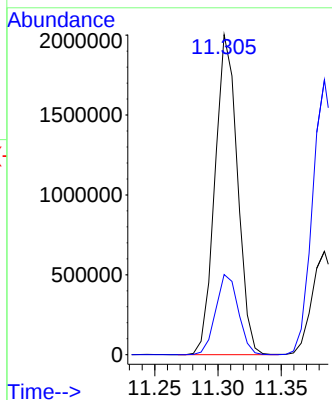
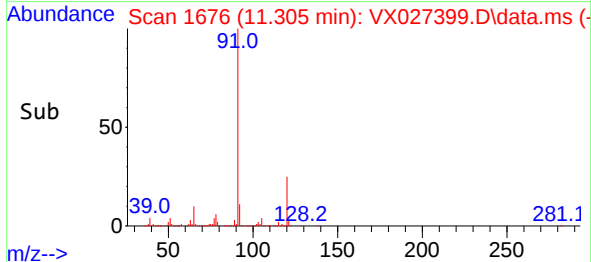
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4



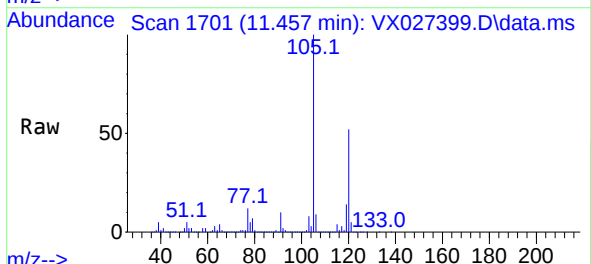
Tgt Ion: 91 Resp: 2474479  
Ion Ratio Lower Upper  
91 100  
120 25.1 11.6 34.8

Manual Integrations  
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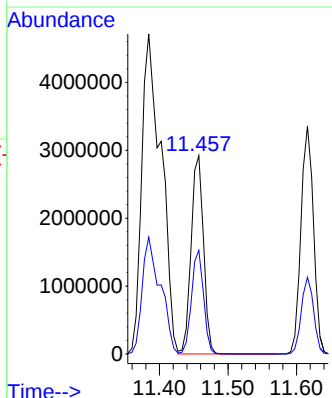
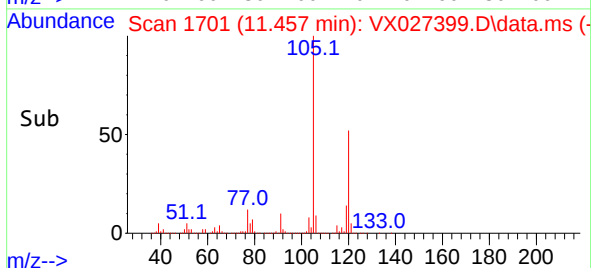
Reviewed By :John Carlone 03/14/2022  
Supervised By :Mahesh Dadoda 03/14/2022

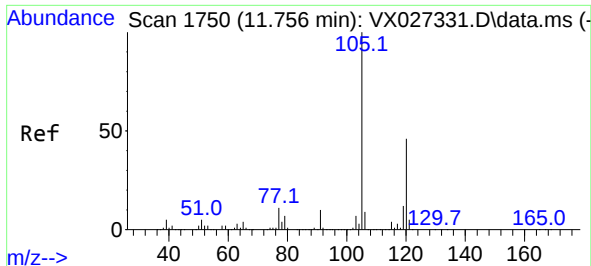


#80  
1,3,5-Trimethylbenzene  
Concen: 202.366 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08



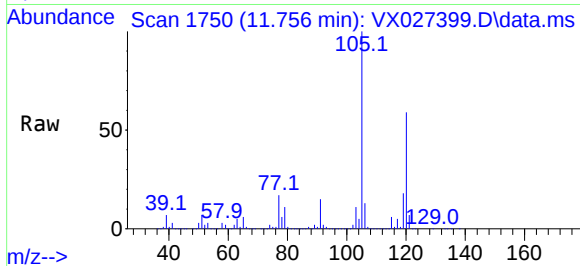
Tgt Ion:105 Resp: 3662381  
Ion Ratio Lower Upper  
105 100  
120 50.8 24.3 72.9





#84  
1,2,4-Trimethylbenzene  
Concen: 587.022 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

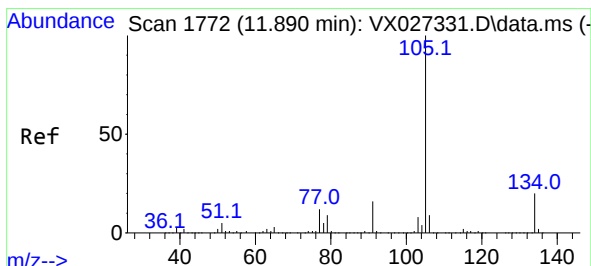
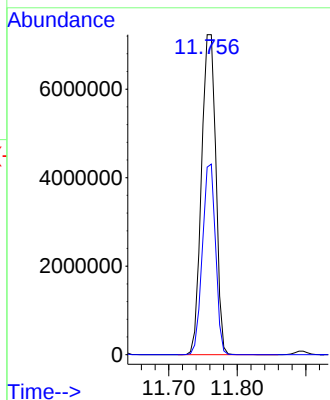
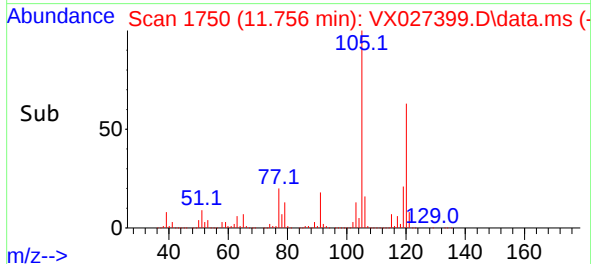
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4



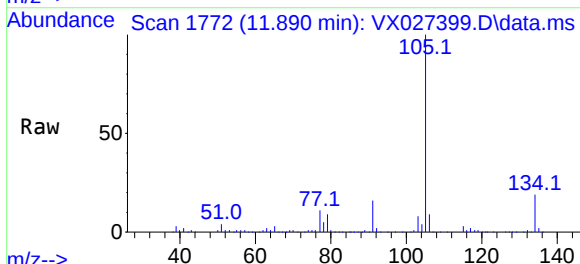
Tgt Ion:105 Resp:1053668  
Ion Ratio Lower Upper  
105 100  
120 54.7 22.6 67.8

Manual Integrations  
APPROVED

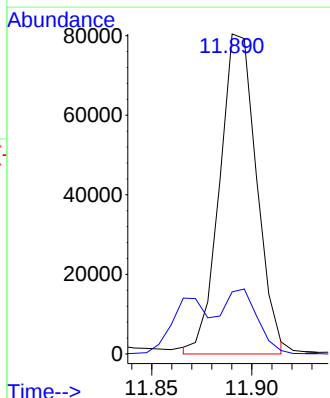
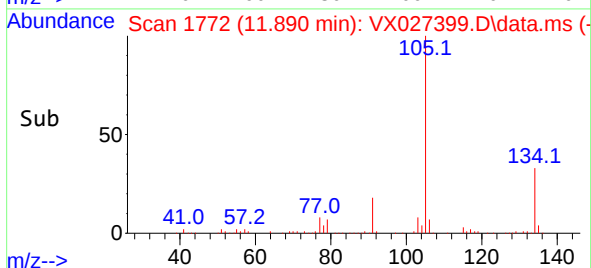
Reviewed By :John Carlone 03/14/2022  
Supervised By :Mahesh Dadoda 03/14/2022

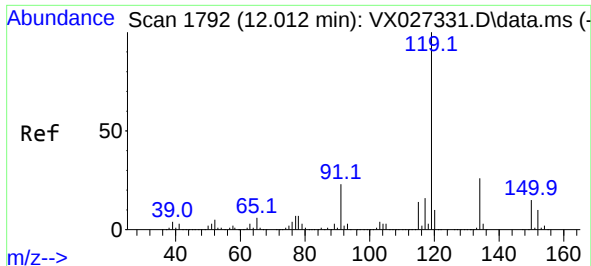


#85  
sec-Butylbenzene  
Concen: 4.720 ug/l m  
RT: 11.890 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08



Tgt Ion:105 Resp: 102976  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.2 30.4#





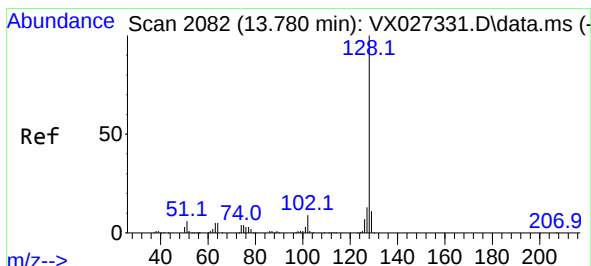
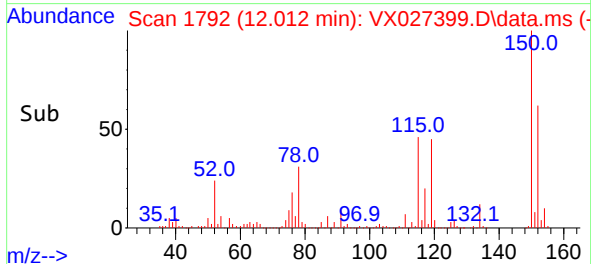
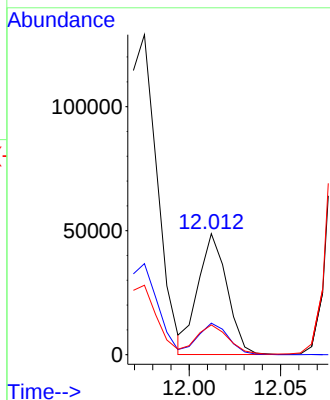
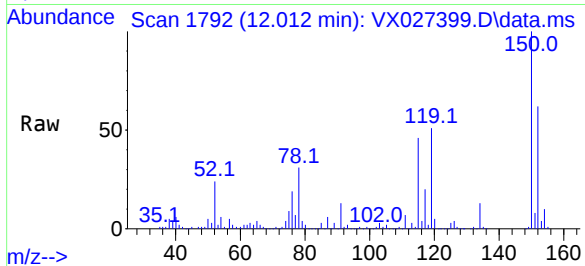
#86  
p-Isopropyltoluene  
Concen: 2.923 ug/l  
RT: 12.012 min Scan# 119  
Delta R.T. 0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

Tgt Ion:119 Resp: 5398  
Ion Ratio Lower Upper  
119 100  
134 27.5 13.0 39.0  
91 0.0 11.3 33.9

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/14/2022  
Supervised By :Mahesh Dadoda 03/14/2022



#95  
Naphthalene  
Concen: 200.960 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX027399.D  
Acq: 11 Mar 2022 14:08

Tgt Ion:128 Resp: 4369562  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.2 15.4  
129 11.9 8.7 13.1

