

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092122\  
 Data File : VX031552.D  
 Acq On : 22 Sep 2022 06:06  
 Operator : JC/MD  
 Sample : N4642-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-6R

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/22/2022  
 Supervised By : Mahesh Dadoda 09/23/2022

Quant Time: Sep 22 09:22:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 09:45:29 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 76537               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 121579              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 115353              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 64481               | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958          | 65   | 77515               | 55.234  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 110.460% |         |        |          |
| 35) Dibromofluoromethane    | 5.391          | 113  | 65476               | 52.135  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 104.260% |         |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 254325              | 52.505  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 105.000% |         |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 87214               | 53.155  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 106.320% |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         | Qvalue |          |
| 39) Methylcyclohexane       | 7.379          | 83   | 5624                | 2.365   | ug/l   | 96       |
| 52) Toluene                 | 8.720          | 92   | 35975               | 9.567   | ug/l   | 100      |
| 61) 1,2-Dibromoethane       | 9.610          | 107  | 5241                | 3.140   | ug/l   | 95       |
| 67) Ethyl Benzene           | 10.195         | 91   | 515657              | 82.101  | ug/l   | 100      |
| 68) m/p-Xylenes             | 10.305         | 106  | 227665              | 90.199  | ug/l   | 98       |
| 69) o-Xylene                | 10.640         | 106  | 74696               | 31.005  | ug/l   | 97       |
| 73) Isopropylbenzene        | 10.963         | 105  | 52777               | 10.961  | ug/l   | 100      |
| 78) n-propylbenzene         | 11.305         | 91   | 128841              | 23.257  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 182051              | 44.550  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 11.756         | 105  | 750250              | 186.423 | ug/l   | 97       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 7038m               | 1.404   | ug/l   |          |
| 86) p-Isopropyltoluene      | 12.012         | 119  | 4571m               | 1.080   | ug/l   |          |
| 89) n-Butylbenzene          | 12.329         | 91   | 19387               | 5.377   | ug/l # | 21       |
| 95) Naphthalene             | 13.780         | 128  | 631992              | 136.720 | ug/l   | 100      |
| -----                       |                |      |                     |         |        |          |

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

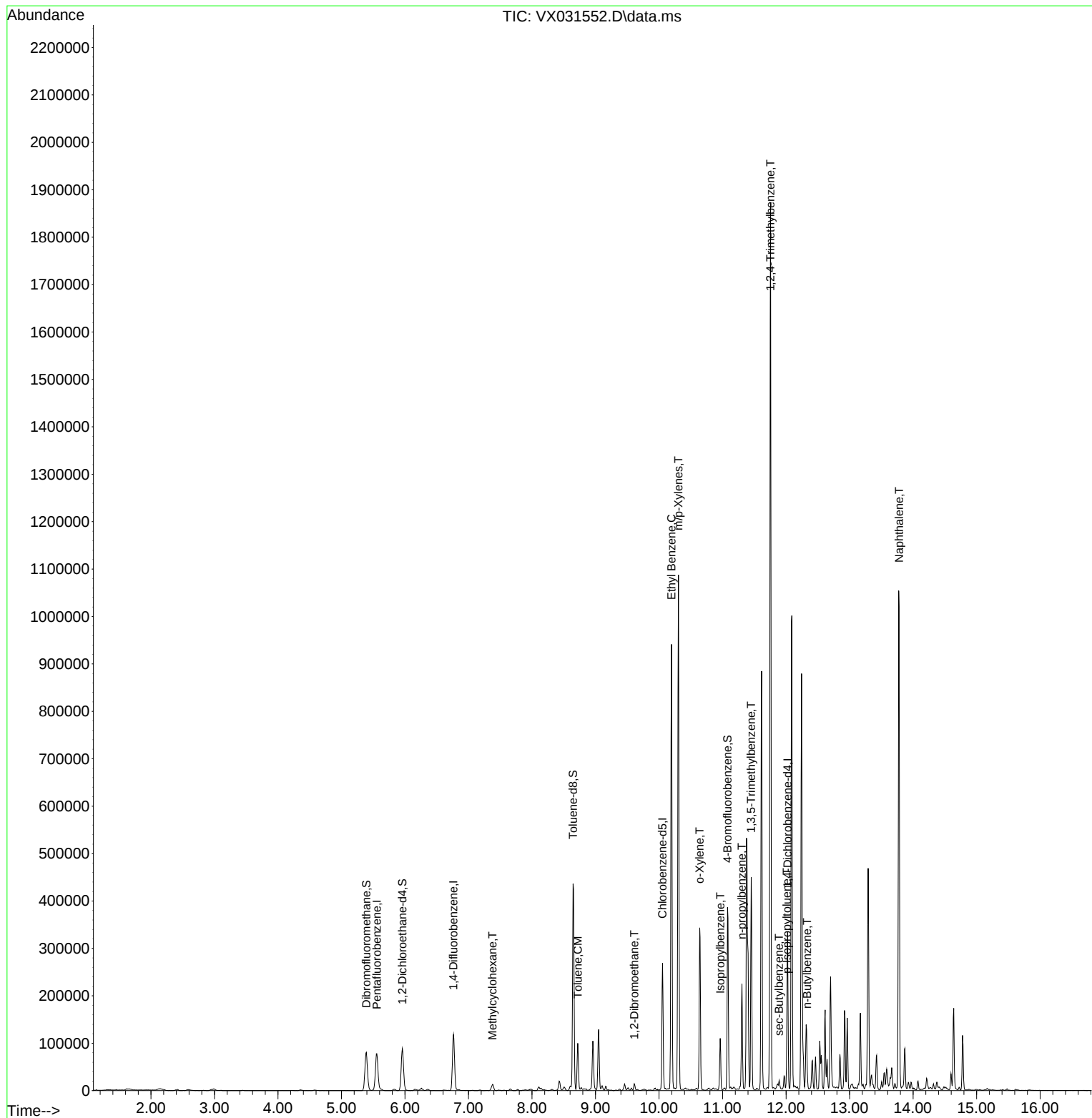
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092122\  
Data File : VX031552.D  
Acq On : 22 Sep 2022 06:06  
Operator : JC/MD  
Sample : N4642-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 46 Sample Multiplier: 1

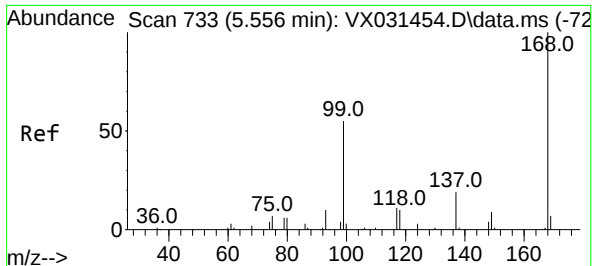
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6R

Manual Integrations  
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Reviewed By : John Carlone 09/22/2022  
Supervised By : Mahesh Dadoda 09/23/2022

Quant Time: Sep 22 09:22:03 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091922W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 20 09:45:29 2022  
Response via : Initial Calibration





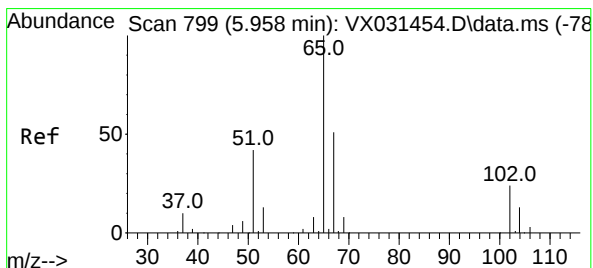
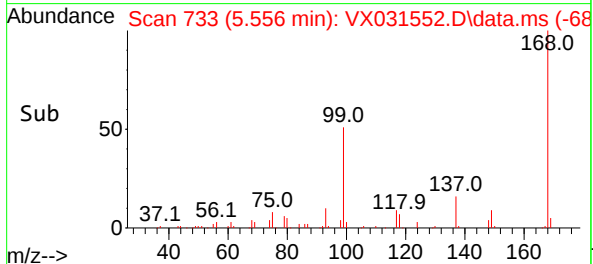
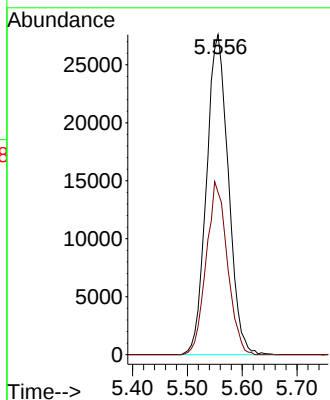
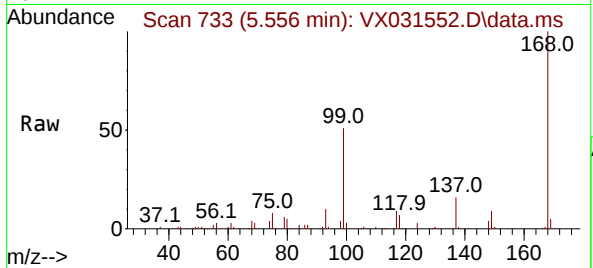
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. -0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

Instrument :  
MSVOA\_X  
Client Sample Id :  
MW-6R

Tgt Ion: 168 Resp: 7653  
Ion Ratio Lower Upper  
168 100  
99 50.7 48.8 73.2

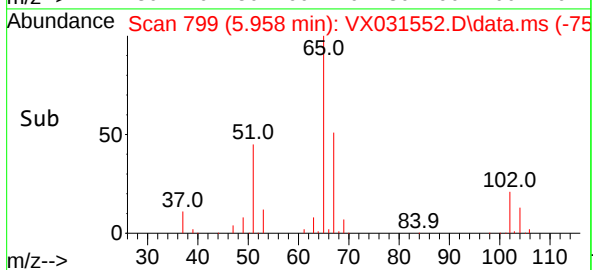
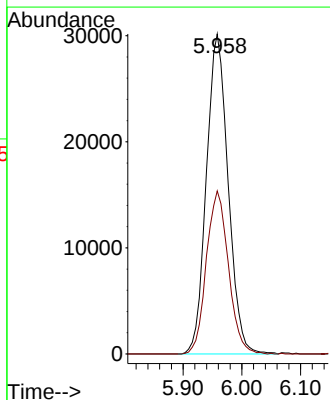
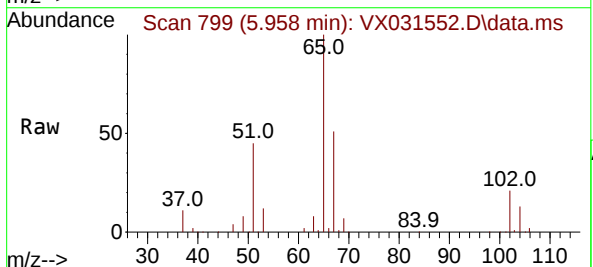
Manual Integrations  
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Supervised By : Mahesh Dadoda 09/23/2022



#33  
1,2-Dichloroethane-d4  
Concen: 55.234 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

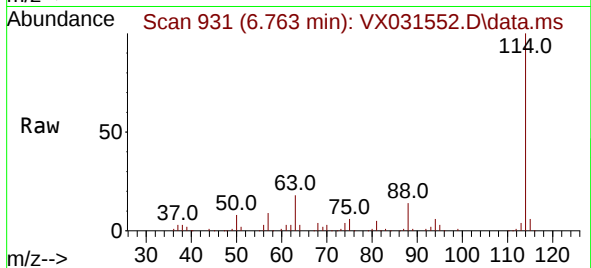
Tgt Ion: 65 Resp: 77515  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 102.4





#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

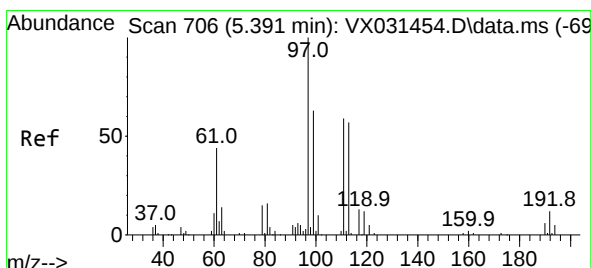
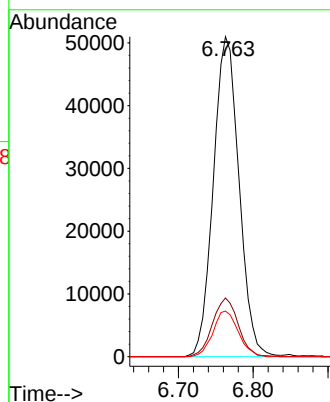
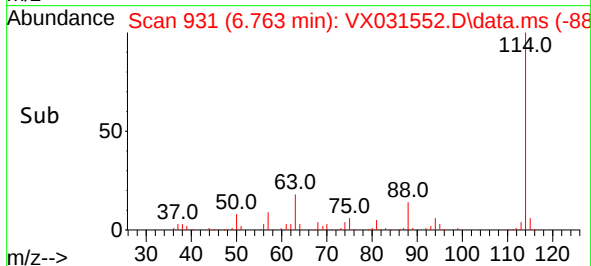
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6R



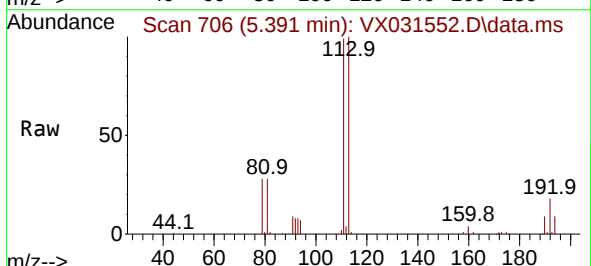
Tgt Ion:114 Resp: 121579  
Ion Ratio Lower Upper  
114 100  
63 18.3 0.0 42.6  
88 14.3 0.0 33.0

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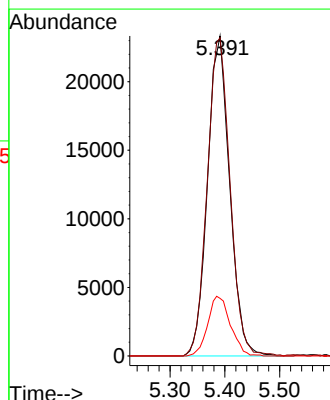
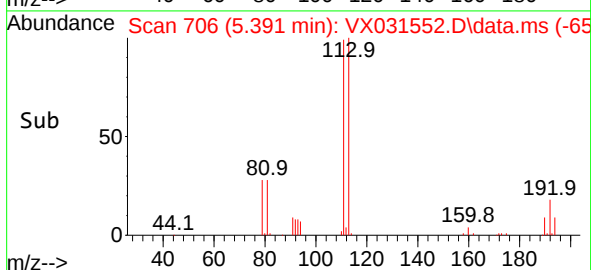
Reviewed By :John Carlone 09/22/2022  
Supervised By :Mahesh Dadoda 09/23/2022

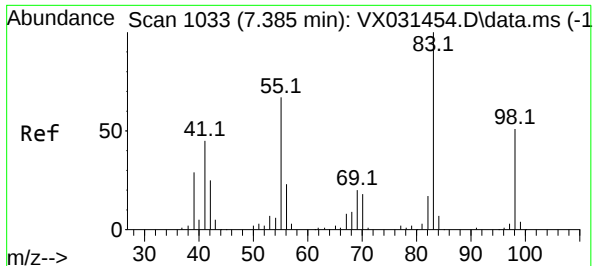


#35  
Dibromofluoromethane  
Concen: 52.135 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06



Tgt Ion:113 Resp: 65476  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.4 123.6  
192 19.1 14.1 21.1





#39

Methylcyclohexane

Concen: 2.365 ug/l

RT: 7.379 min Scan# 1033

Delta R.T. -0.006 min

Lab File: VX031552.D

Acq: 22 Sep 2022 06:06

Instrument :

MSVOA\_X

ClientSampleId :

MW-6R

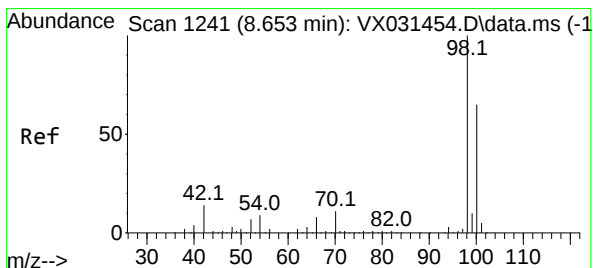
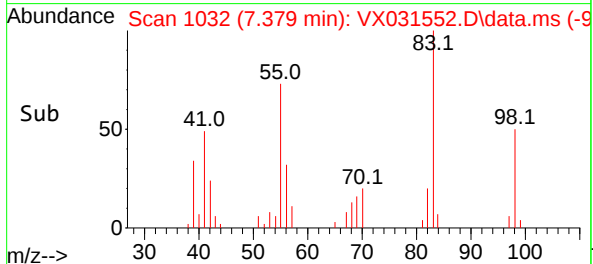
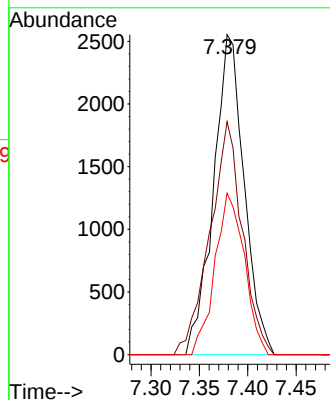
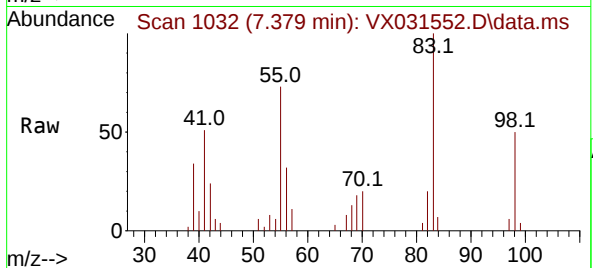
|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 5624  |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 72.8     | 61.0 91.4   |
| 98 50.5     | 37.7 56.5   |

Manual Integrations

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Supervised By :Mahesh Dadoda 09/23/2022



#50

Toluene-d8

Concen: 52.505 ug/l

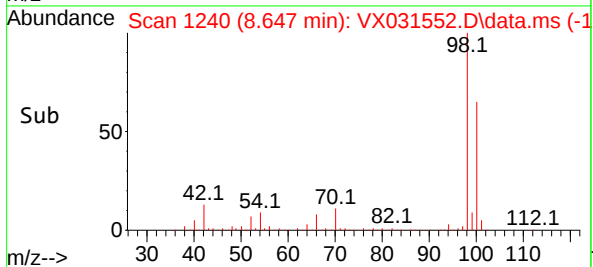
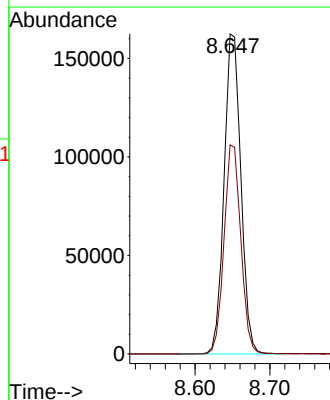
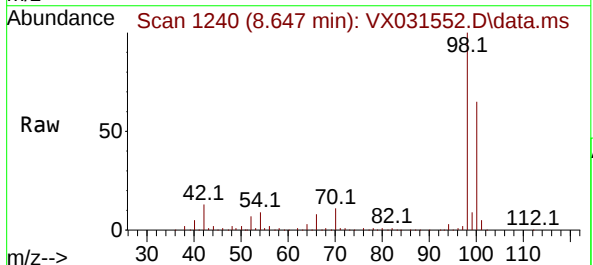
RT: 8.647 min Scan# 1240

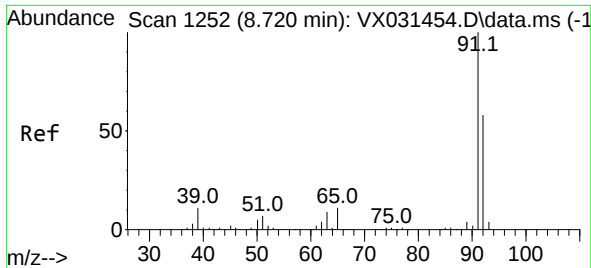
Delta R.T. -0.006 min

Lab File: VX031552.D

Acq: 22 Sep 2022 06:06

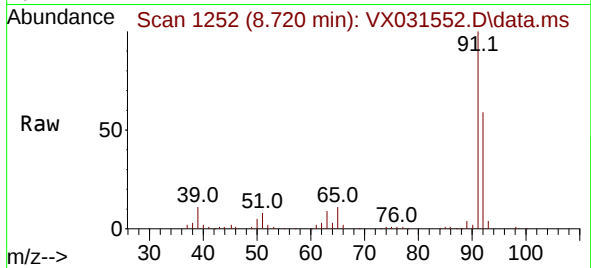
|             |              |
|-------------|--------------|
| Tgt Ion: 98 | Resp: 254325 |
| Ion Ratio   | Lower Upper  |
| 98 100      |              |
| 100 65.3    | 52.5 78.7    |





#52  
Toluene  
Concen: 9.567 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

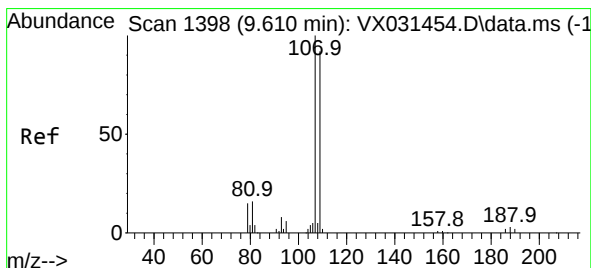
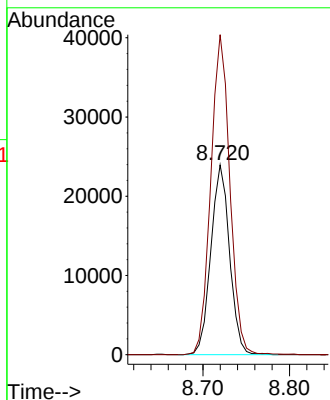
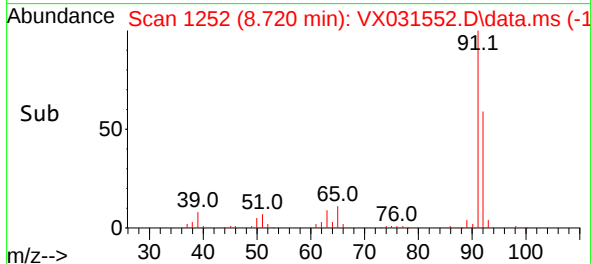
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6R



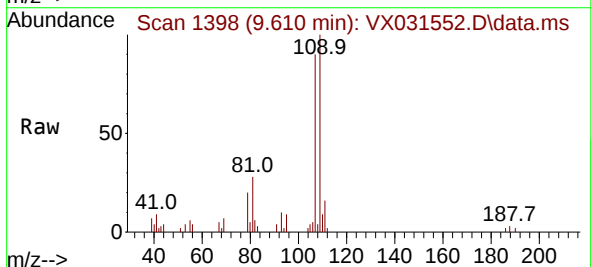
Tgt Ion: 92 Resp: 3597  
Ion Ratio Lower Upper  
92 100  
91 171.8 137.1 205.7

Manual Integrations  
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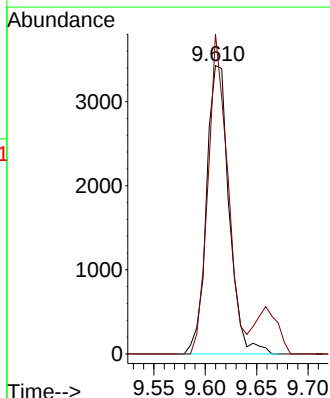
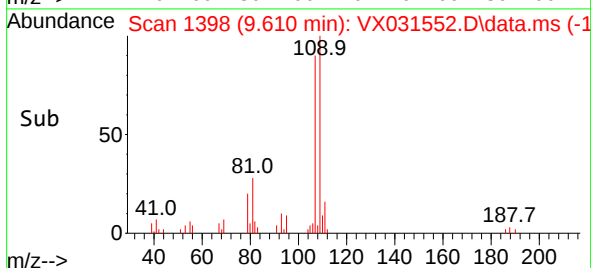
Reviewed By :John Carlone 09/22/2022  
Supervised By :Mahesh Dadoda 09/23/2022

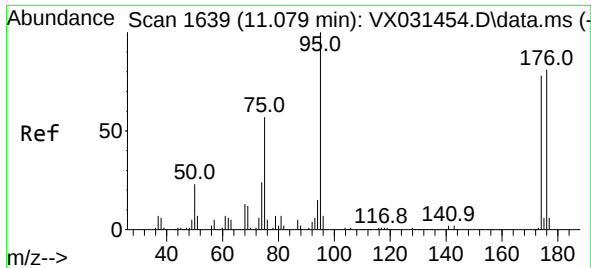


#61  
1,2-Dibromoethane  
Concen: 3.140 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06



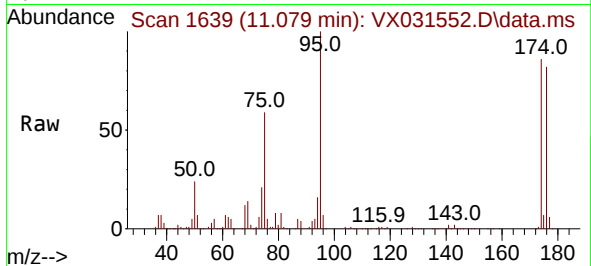
Tgt Ion:107 Resp: 5241  
Ion Ratio Lower Upper  
107 100  
109 97.4 74.2 111.4





#62  
4-Bromofluorobenzene  
Concen: 53.155 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

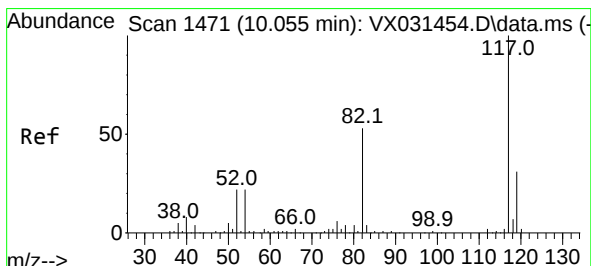
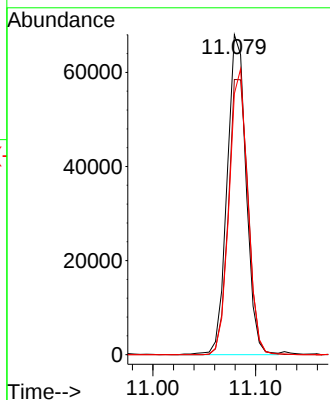
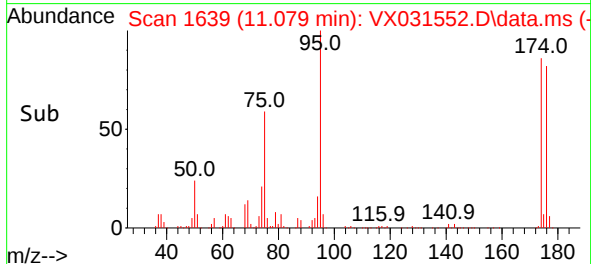
Instrument :  
MSVOA\_X  
ClientSampleId :  
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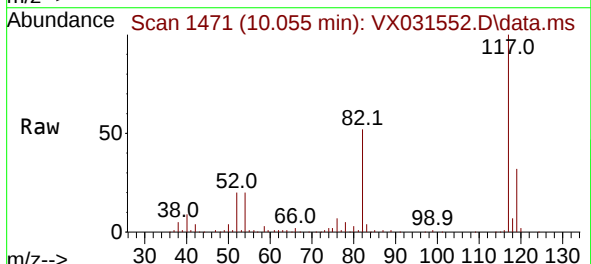
Tgt Ion: 95 Resp: 87214  
Ion Ratio Lower Upper  
95 100  
174 89.1 0.0 153.2  
176 87.8 0.0 144.0

Manual Integrations  
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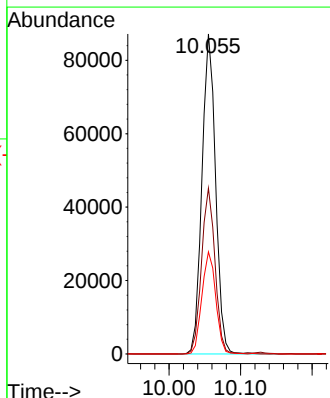
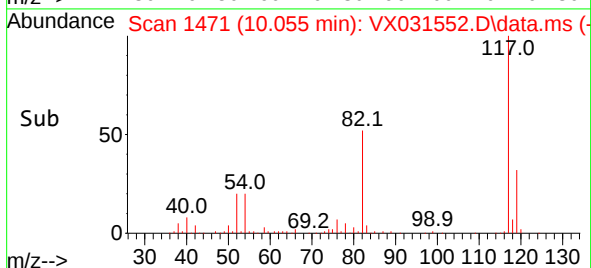
Reviewed By :John Carlone 09/22/2022  
Supervised By :Mahesh Dadoda 09/23/2022

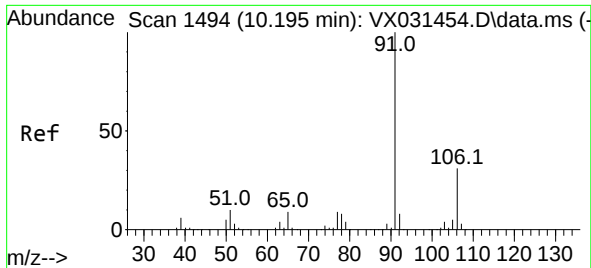


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06



Tgt Ion:117 Resp: 115353  
Ion Ratio Lower Upper  
117 100  
82 51.8 46.8 70.2  
119 31.9 26.4 39.6





#67

Ethyl Benzene

Concen: 82.101 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX031552.D

Acq: 22 Sep 2022 06:06

Instrument :

MSVOA\_X

ClientSampleId :

MW-6R

Tgt Ion: 91 Resp: 51565

Ion Ratio Lower Upper

91 100

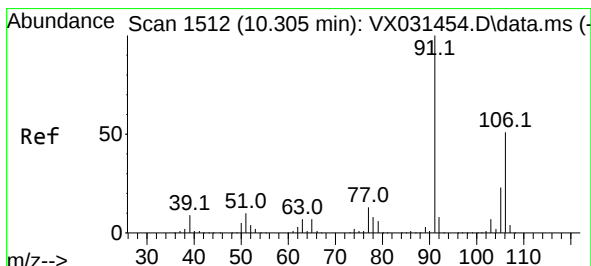
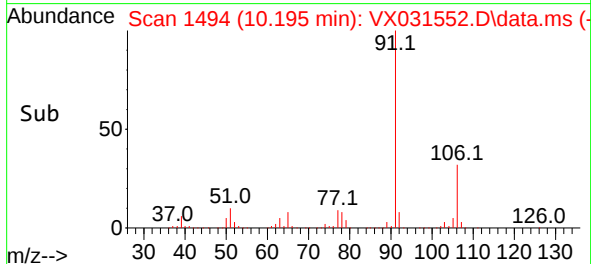
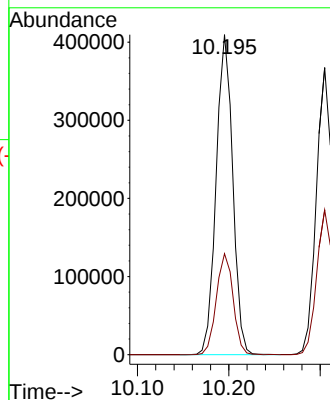
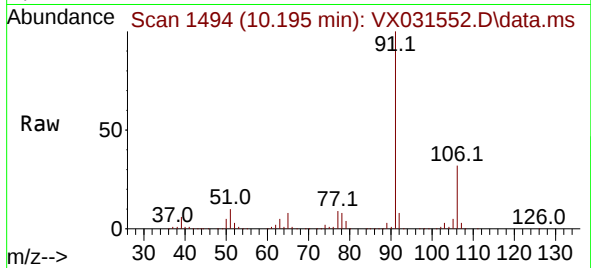
106 31.6 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/22/2022

Supervised By :Mahesh Dadoda 09/23/2022



#68

m/p-Xylenes

Concen: 90.199 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX031552.D

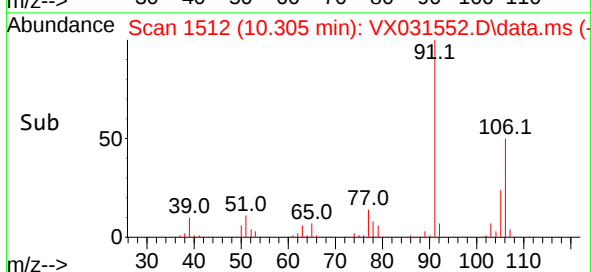
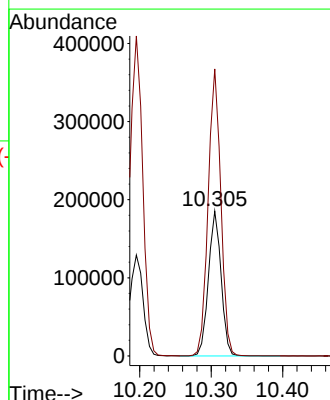
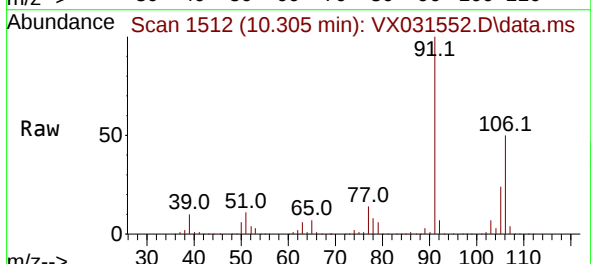
Acq: 22 Sep 2022 06:06

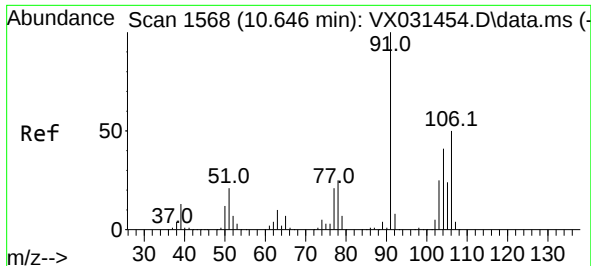
Tgt Ion:106 Resp: 227665

Ion Ratio Lower Upper

106 100

91 198.7 161.0 241.4





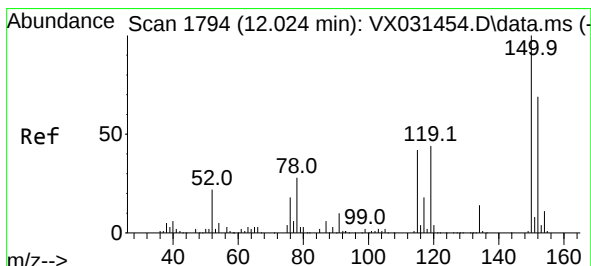
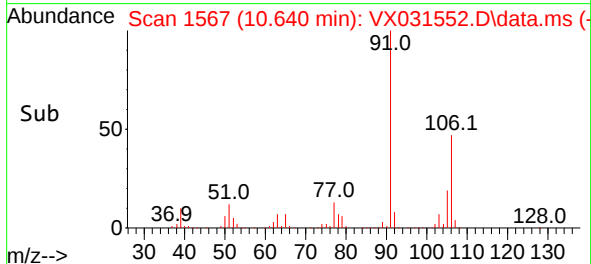
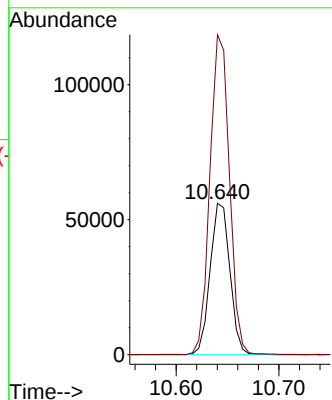
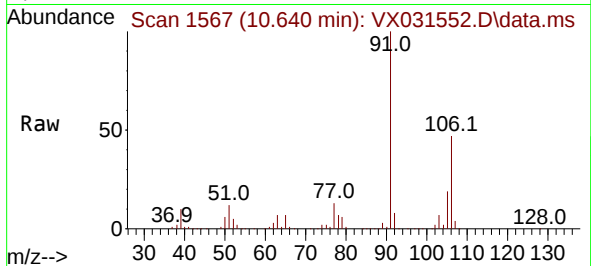
#69  
o-Xylene  
Concen: 31.005 ug/l  
RT: 10.640 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6R

Tgt Ion:106 Resp: 74690  
Ion Ratio Lower Upper  
106 100  
91 209.2 107.2 321.6

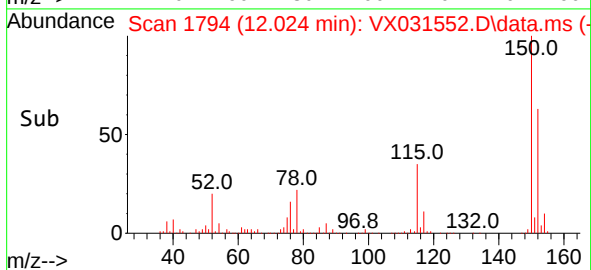
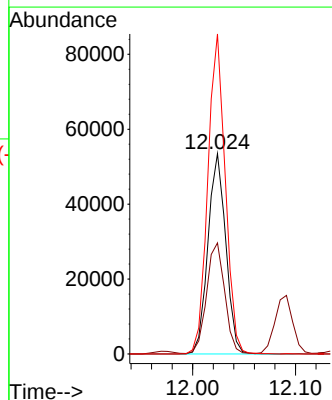
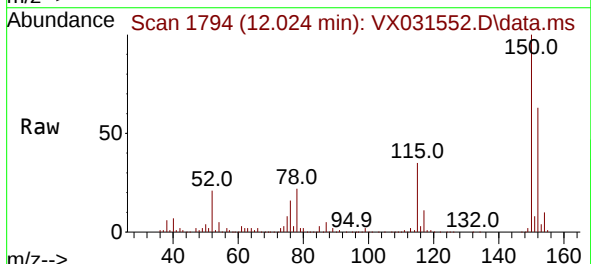
Manual Integrations  
APPROVED

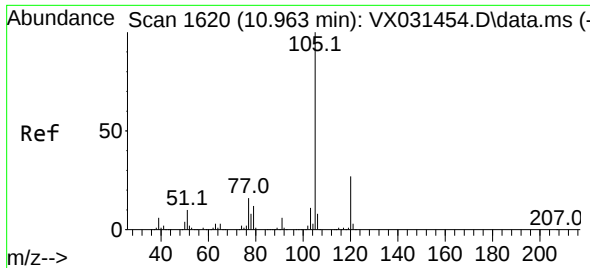
Reviewed By :John Carlone 09/22/2022  
Supervised By :Mahesh Dadoda 09/23/2022



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

Tgt Ion:152 Resp: 64481  
Ion Ratio Lower Upper  
152 100  
115 56.0 43.4 130.1  
150 156.5 0.0 346.8





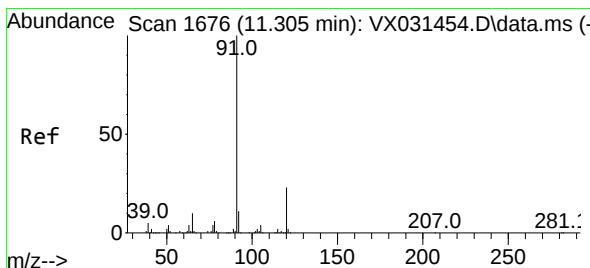
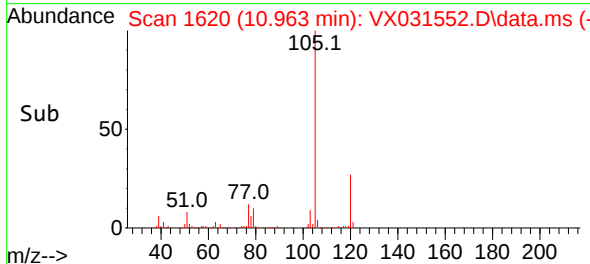
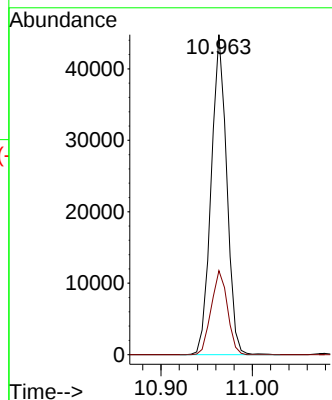
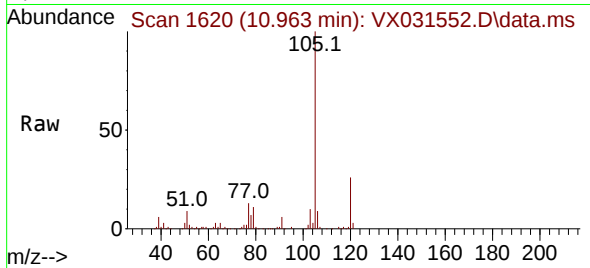
#73  
Isopropylbenzene  
Concen: 10.961 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6R

Tgt Ion:105 Resp: 5277  
Ion Ratio Lower Upper  
105 100  
120 27.4 13.7 41.0

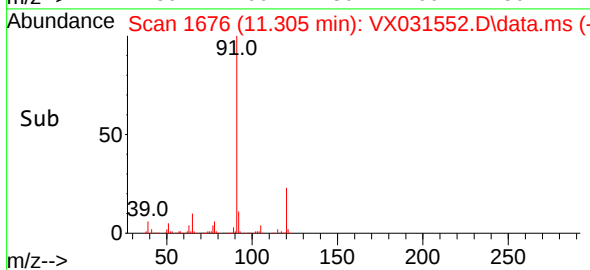
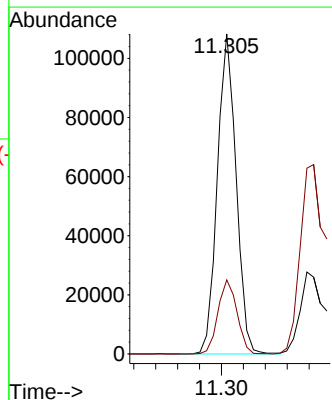
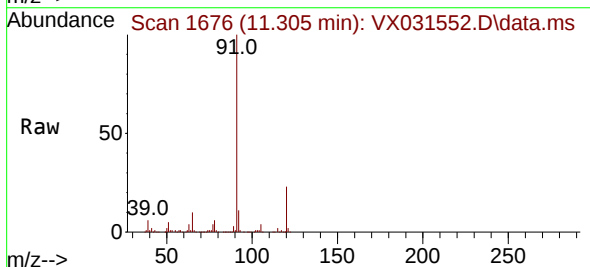
Manual Integrations  
APPROVED

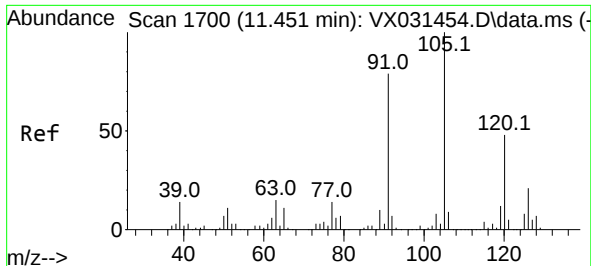
Reviewed By :John Carlone 09/22/2022  
Supervised By :Mahesh Dadoda 09/23/2022



#78  
n-propylbenzene  
Concen: 23.257 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

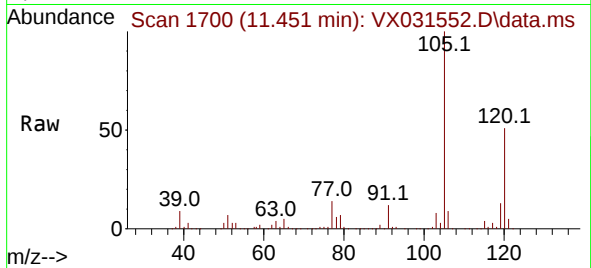
Tgt Ion: 91 Resp: 128841  
Ion Ratio Lower Upper  
91 100  
120 23.4 11.8 35.4





#80  
1,3,5-Trimethylbenzene  
Concen: 44.550 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

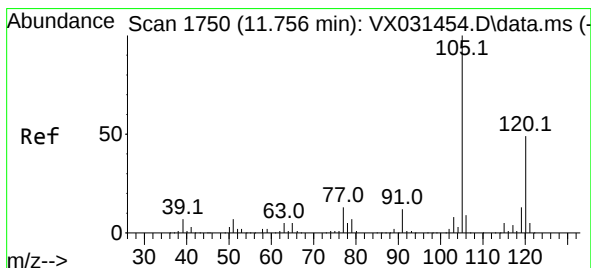
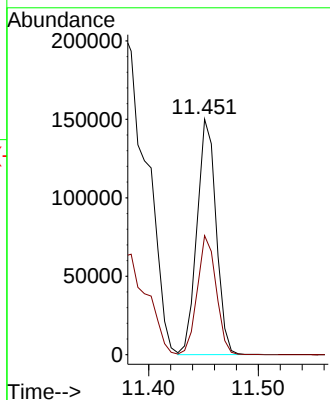
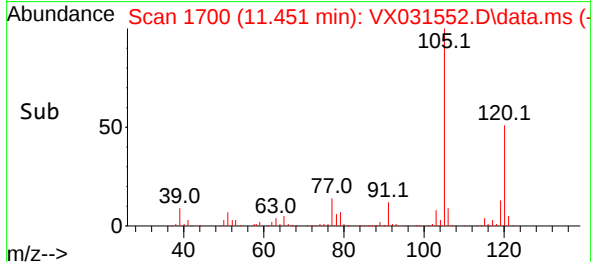
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6R



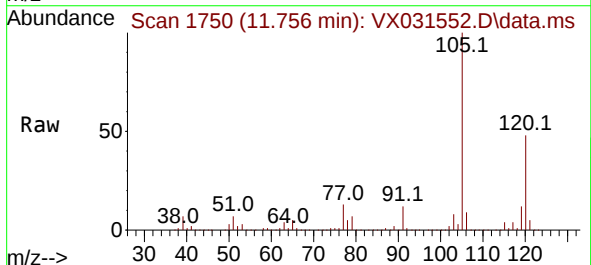
Tgt Ion:105 Resp: 18205  
Ion Ratio Lower Upper  
105 100  
120 50.0 24.5 73.5

Manual Integrations  
APPROVED

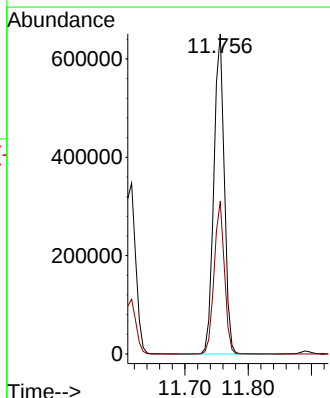
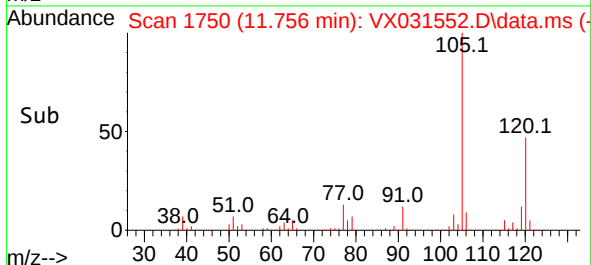
Reviewed By :John Carlone 09/22/2022  
Supervised By :Mahesh Dadoda 09/23/2022

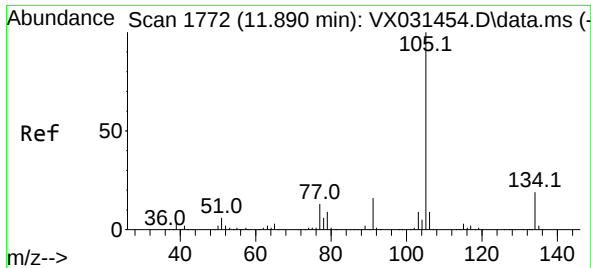


#84  
1,2,4-Trimethylbenzene  
Concen: 186.423 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06



Tgt Ion:105 Resp: 750250  
Ion Ratio Lower Upper  
105 100  
120 46.9 22.6 67.8





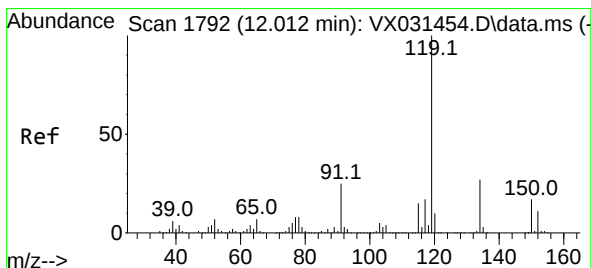
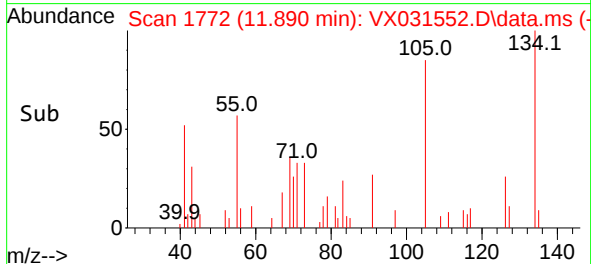
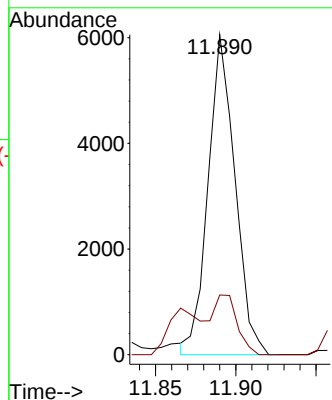
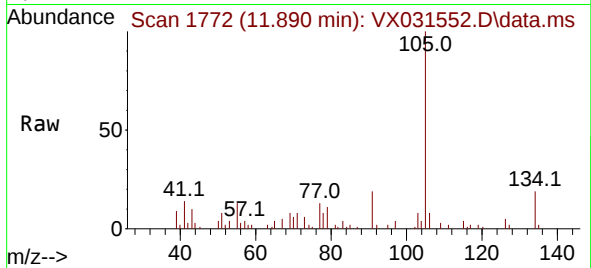
#85  
 sec-Butylbenzene  
 Concen: 1.404 ug/l m  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX031552.D  
 Acq: 22 Sep 2022 06:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-6R

Tgt Ion:105 Resp: 7038  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.4 31.1#

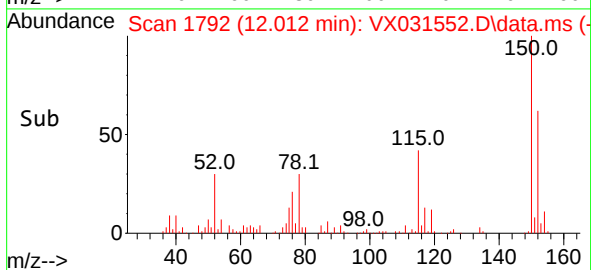
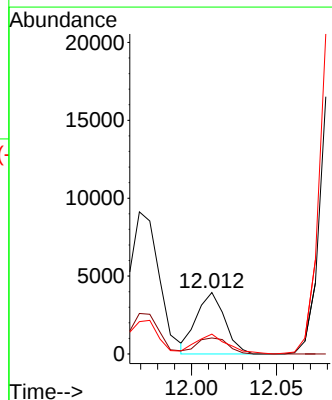
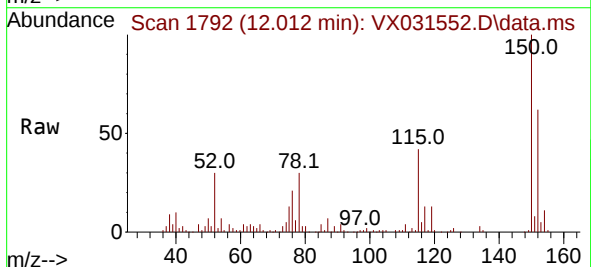
Manual Integrations  
 APPROVED

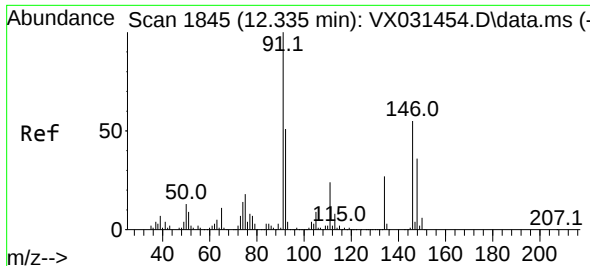
Reviewed By :John Carlone 09/22/2022  
 Supervised By :Mahesh Dadoda 09/23/2022



#86  
 p-Isopropyltoluene  
 Concen: 1.080 ug/l m  
 RT: 12.012 min Scan# 1792  
 Delta R.T. -0.000 min  
 Lab File: VX031552.D  
 Acq: 22 Sep 2022 06:06

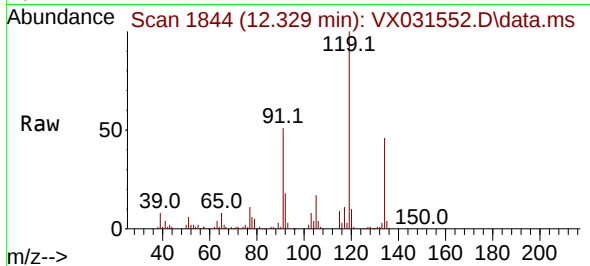
Tgt Ion:119 Resp: 4571  
 Ion Ratio Lower Upper  
 119 100  
 134 71.4 13.4 40.2#  
 91 63.0 12.4 37.2#





#89  
n-Butylbenzene  
Concen: 5.377 ug/l  
RT: 12.329 min Scan# 1845  
Delta R.T. -0.006 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

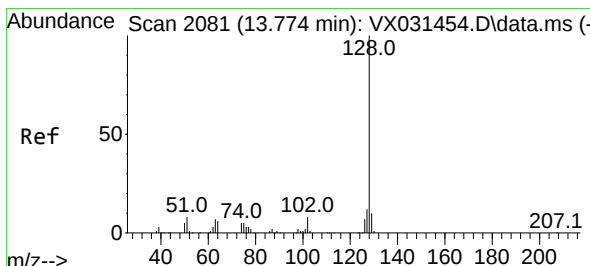
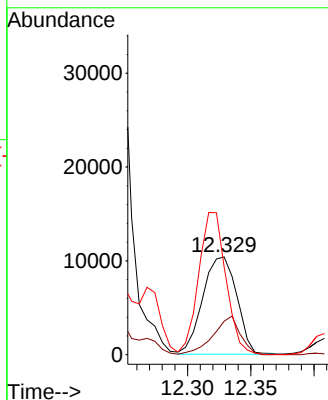
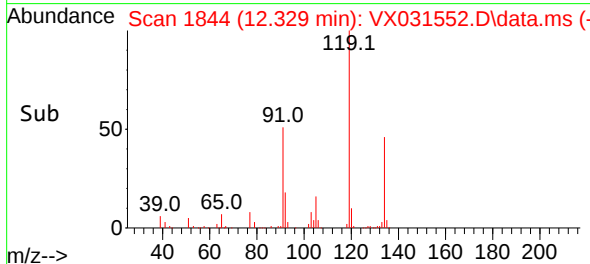
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6R



Tgt Ion: 91 Resp: 1938  
Ion Ratio Lower Upper  
91 100  
92 31.5 27.0 81.0  
134 117.5 13.3 39.9

Manual Integrations  
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Reviewed By :John Carlone 09/22/2022  
Supervised By :Mahesh Dadoda 09/23/2022



#95  
Naphthalene  
Concen: 136.720 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX031552.D  
Acq: 22 Sep 2022 06:06

Tgt Ion:128 Resp: 631992  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.4 15.6  
129 11.1 8.8 13.2

