

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072522\  
 Data File : VN073578.D  
 Acq On : 25 Jul 2022 14:44  
 Operator : JC\MD  
 Sample : N3771-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-9F

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/26/2022  
 Supervised By : Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 02:17:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 8.022          | 168  | 236231     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.904          | 114  | 392906     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.686         | 117  | 363175     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.616         | 152  | 176375     | 50.000  | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.375          | 65   | 153526     | 45.019  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 90.040% |        |          |
| 35) Dibromofluoromethane    | 7.951          | 113  | 127867     | 48.915  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 97.840% |        |          |
| 50) Toluene-d8              | 10.380         | 98   | 425402     | 45.820  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 91.640% |        |          |
| 62) 4-Bromofluorobenzene    | 12.674         | 95   | 173276     | 48.565  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 97.140% |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         | Qvalue |          |
| 3) Chloromethane            | 2.269          | 50   | 998        | 0.298   | ug/l   | 100      |
| 16) Acetone                 | 4.240          | 43   | 12683m     | 6.626   | ug/l   |          |
| 25) 2-Butanone              | 7.269          | 43   | 3735       | 1.226   | ug/l # | 89       |
| 30) Chloroform              | 7.745          | 83   | 50974      | 8.946   | ug/l   | 96       |
| 40) Benzene                 | 8.398          | 78   | 3401       | 0.274   | ug/l # | 74       |
| 44) Trichloroethene         | 9.157          | 130  | 2915       | 0.923   | ug/l   | 68       |
| 47) Bromodichloromethane    | 9.704          | 83   | 11748      | 2.824   | ug/l # | 91       |
| 52) Toluene                 | 10.445         | 92   | 4107       | 0.535   | ug/l   | 99       |
| 60) Dibromochloromethane    | 11.180         | 129  | 1955       | 0.649   | ug/l   | 95       |
| 64) Tetrachloroethene       | 10.916         | 164  | 1181       | 0.398   | ug/l # | 68       |
| 67) Ethyl Benzene           | 11.786         | 91   | 35921      | 2.409   | ug/l   | 96       |
| 68) m/p-Xylenes             | 11.904         | 106  | 5307       | 0.943   | ug/l   | 99       |
| 69) o-Xylene                | 12.227         | 106  | 3674       | 0.640   | ug/l   | 88       |
| 78) n-propylbenzene         | 12.863         | 91   | 5374       | 0.318   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.310         | 105  | 14321      | 1.155   | ug/l   | 97       |
| -----                       |                |      |            |         |        |          |

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

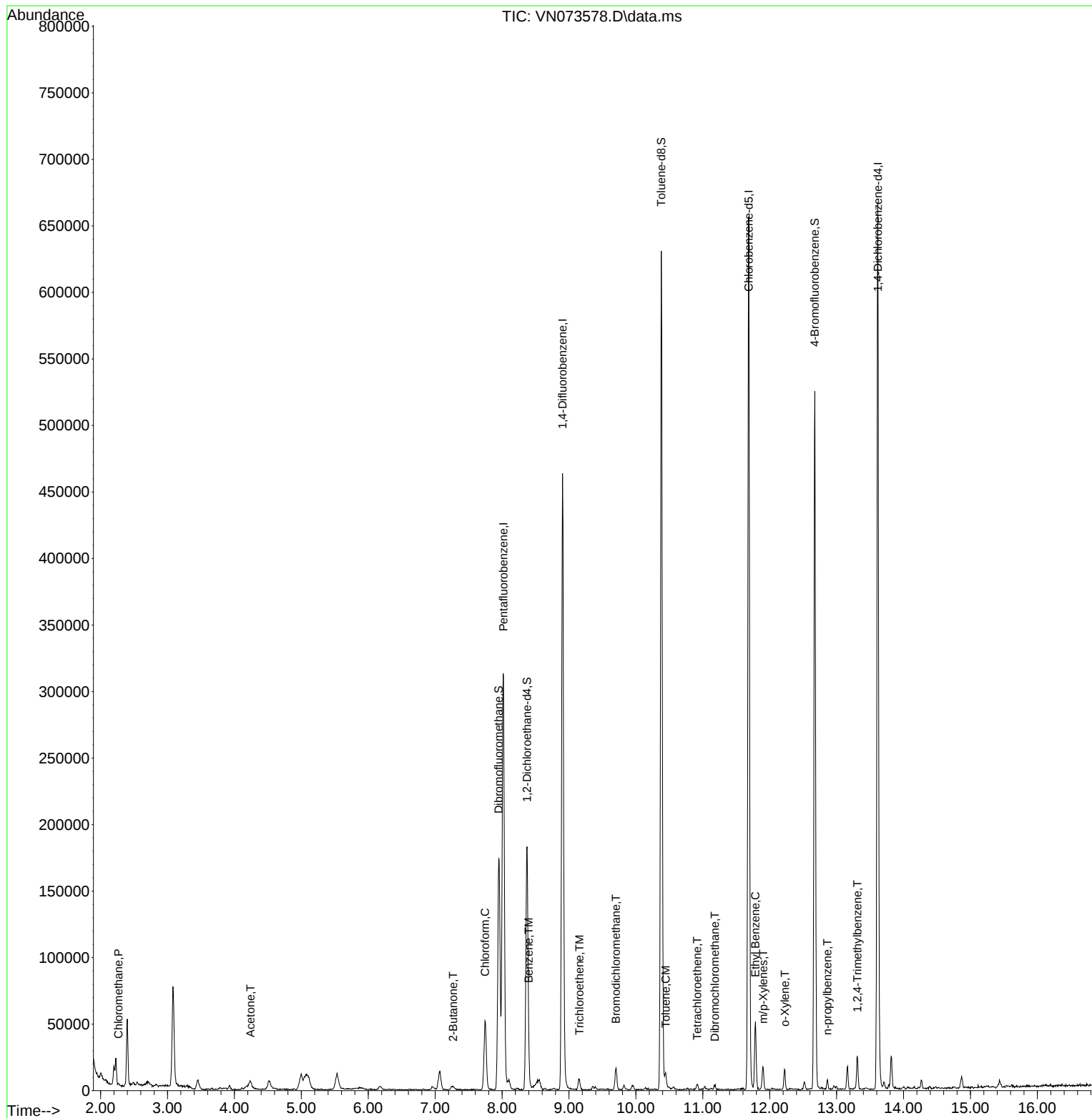
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072522\  
Data File : VN073578.D  
Acq On : 25 Jul 2022 14:44  
Operator : JC\MD  
Sample : N3771-03  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

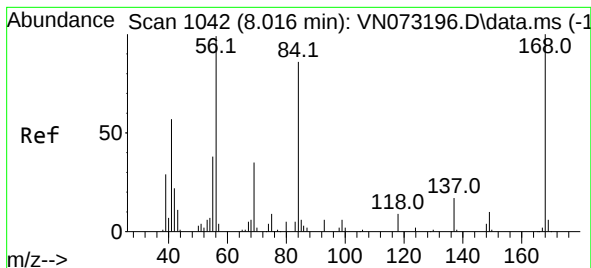
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9F

Quant Time: Jul 26 02:17:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 29 01:54:03 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

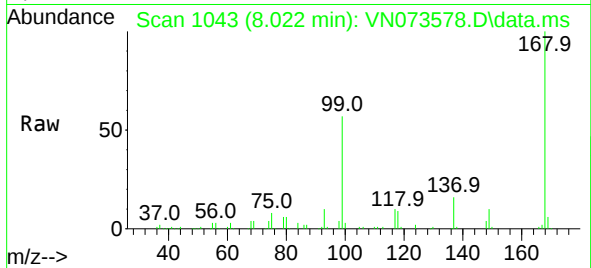
Reviewed By : John Carlone 07/26/2022  
Supervised By : Mahesh Dadoda 07/26/2022





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.022 min Scan# 1043  
Delta R.T. 0.006 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

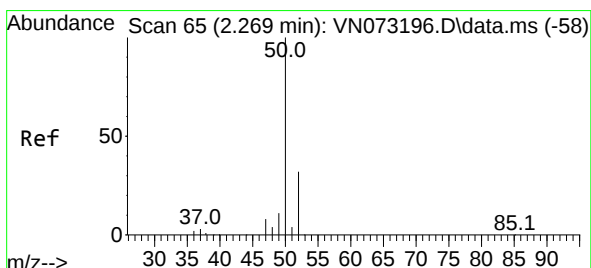
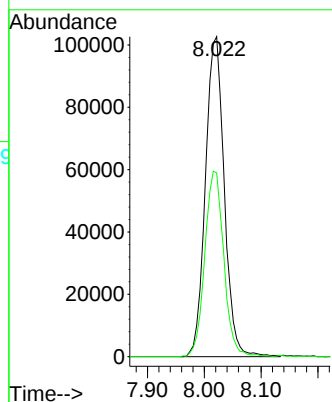
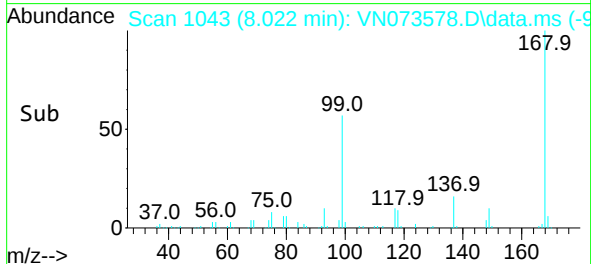
Instrument :  
MSVOA\_N  
Client Sample Id :  
MW-9F



Tgt Ion: 168 Resp: 23623  
Ion Ratio Lower Upper  
168 100  
99 57.4 42.3 63.5

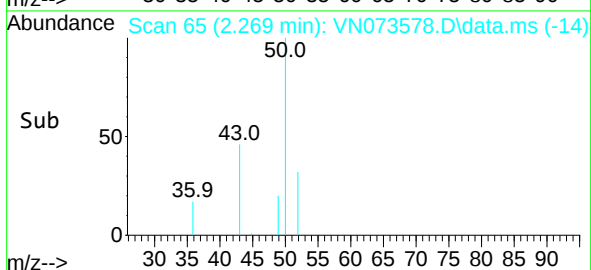
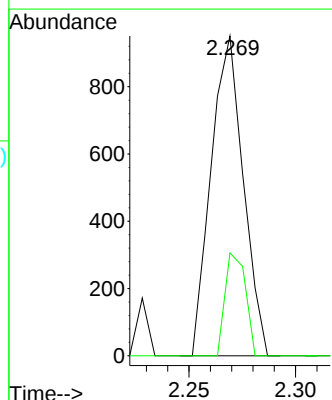
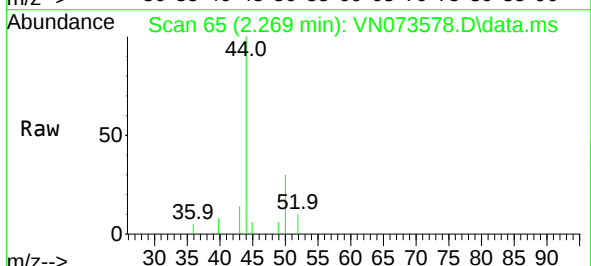
Manual Integrations  
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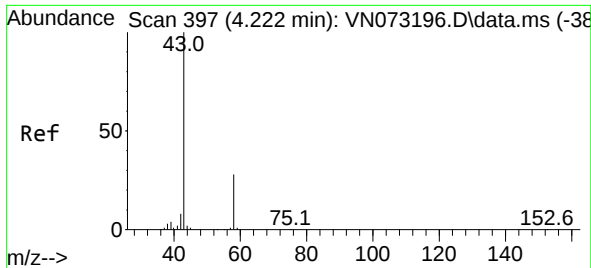
Reviewed By : John Carlone 07/26/2022  
Supervised By : Mahesh Dadoda 07/26/2022



#3  
Chloromethane  
Concen: 0.298 ug/l  
RT: 2.269 min Scan# 65  
Delta R.T. 0.000 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

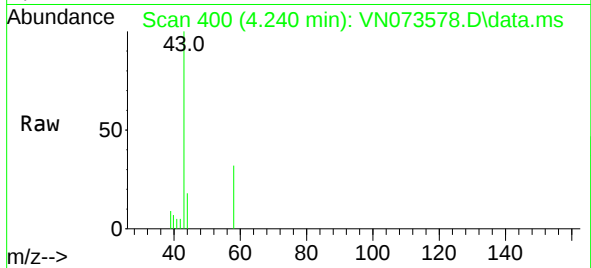
Tgt Ion: 50 Resp: 998  
Ion Ratio Lower Upper  
50 100  
52 32.2 25.7 38.5





#16  
Acetone  
Concen: 6.626 ug/l m  
RT: 4.240 min Scan# 40  
Delta R.T. 0.018 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

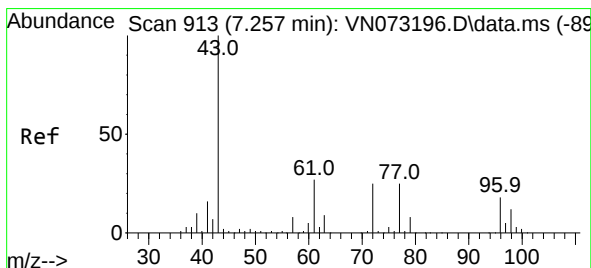
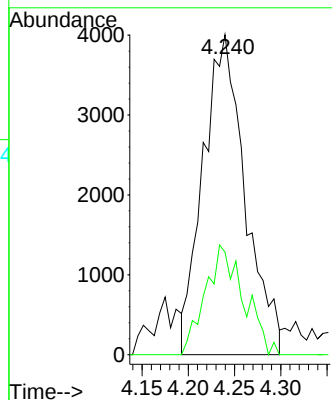
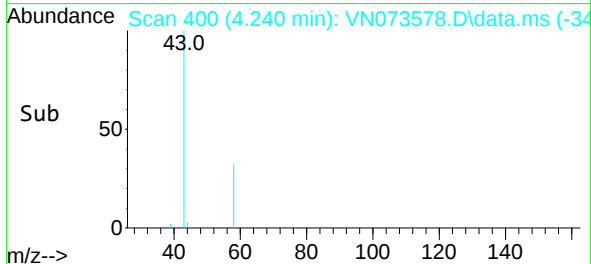
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9F



Tgt Ion: 43 Resp: 1268  
Ion Ratio Lower Upper  
43 100  
58 32.1 26.0 39.0

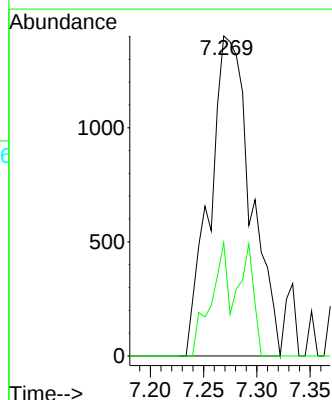
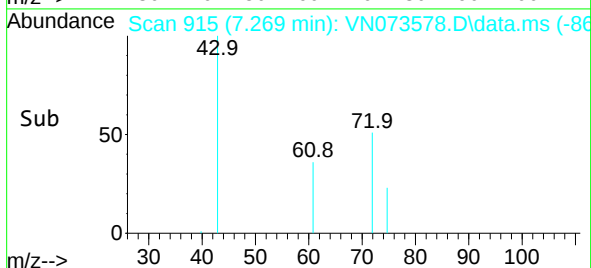
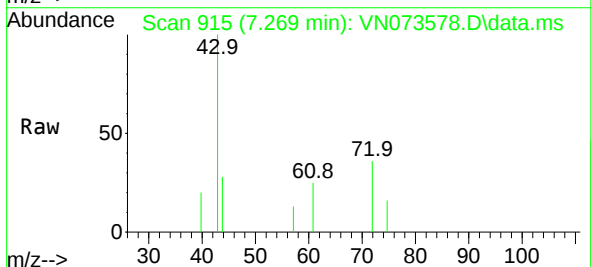
Manual Integrations  
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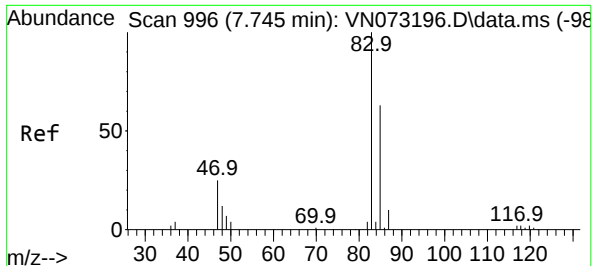
Reviewed By :John Carlone 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#25  
2-Butanone  
Concen: 1.226 ug/l  
RT: 7.269 min Scan# 915  
Delta R.T. 0.012 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

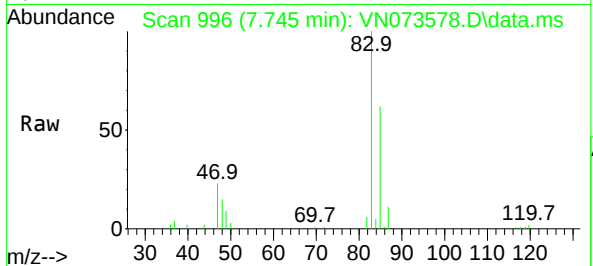
Tgt Ion: 43 Resp: 3735  
Ion Ratio Lower Upper  
43 100  
72 35.5 23.7 35.5#





#30  
Chloroform  
Concen: 8.946 ug/l  
RT: 7.745 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

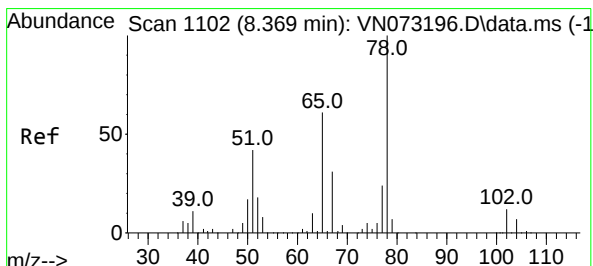
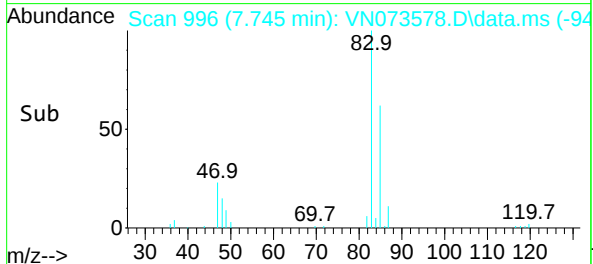
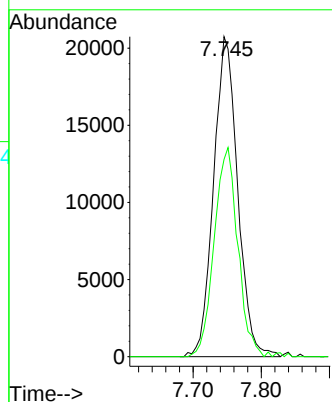
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9F



Tgt Ion: 83 Resp: 50974  
Ion Ratio Lower Upper  
83 100  
85 61.7 51.8 77.8

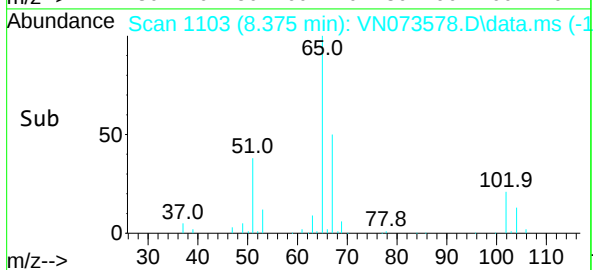
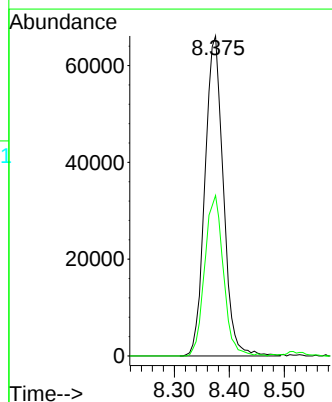
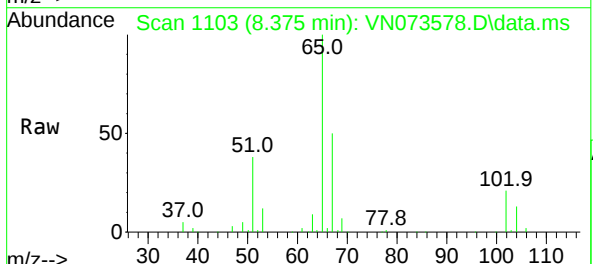
Manual Integrations  
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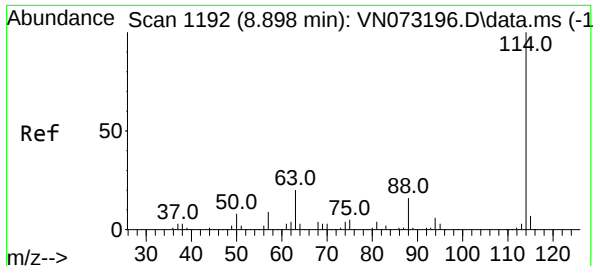
Reviewed By :John Carlone 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#33  
1,2-Dichloroethane-d4  
Concen: 45.019 ug/l  
RT: 8.375 min Scan# 1103  
Delta R.T. 0.006 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

Tgt Ion: 65 Resp: 153526  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073578.D

Acq: 25 Jul 2022 14:44

Instrument :

MSVOA\_N

ClientSampleId :

MW-9F

Tgt Ion:114 Resp: 392900

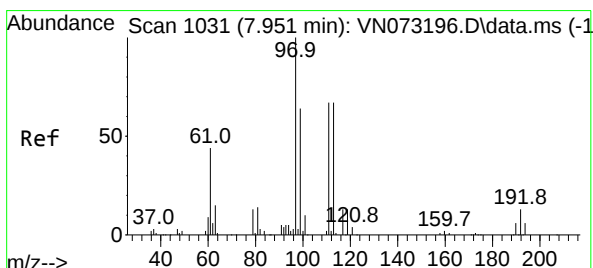
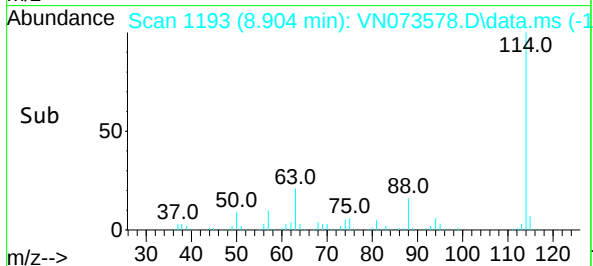
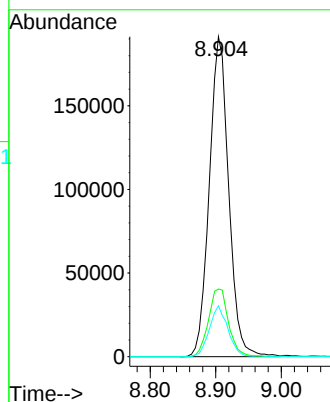
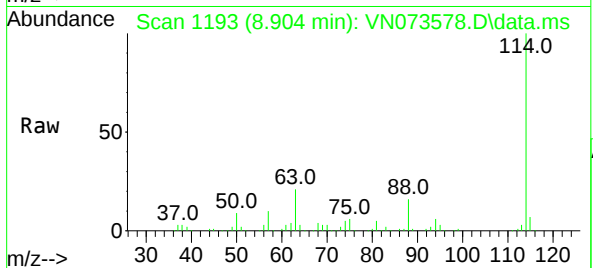
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.2  | 0.0   | 40.0  |
| 88  | 15.9  | 0.0   | 32.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/26/2022

Supervised By :Mahesh Dadoda 07/26/2022



#35

Dibromofluoromethane

Concen: 48.915 ug/l

RT: 7.951 min Scan# 1031

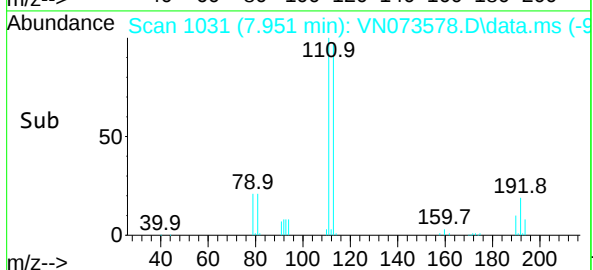
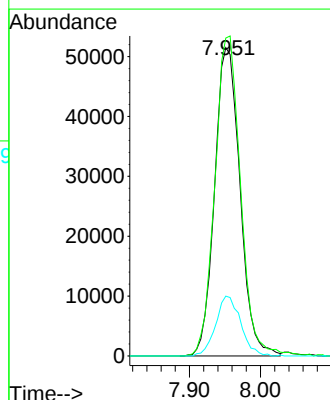
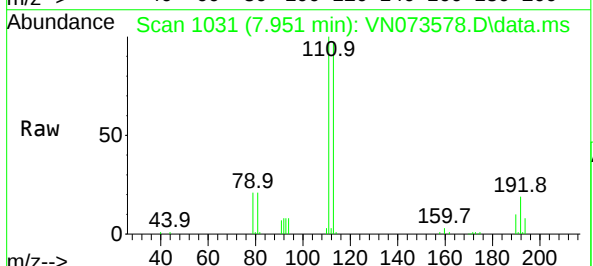
Delta R.T. 0.000 min

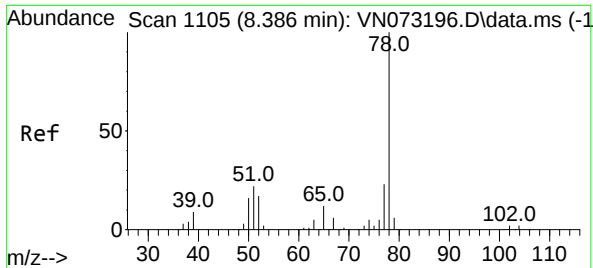
Lab File: VN073578.D

Acq: 25 Jul 2022 14:44

Tgt Ion:113 Resp: 127867

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 105.0 | 81.4  | 122.0 |
| 192 | 19.1  | 17.0  | 25.6  |





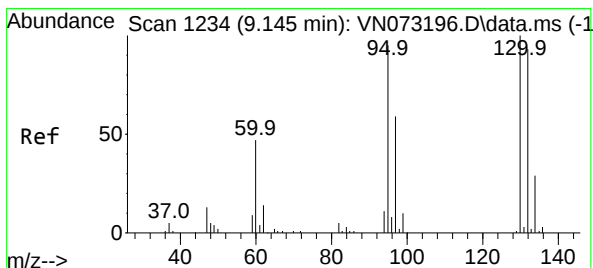
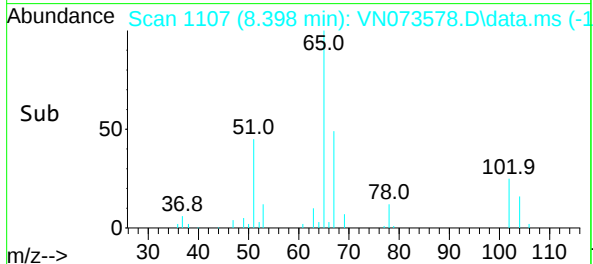
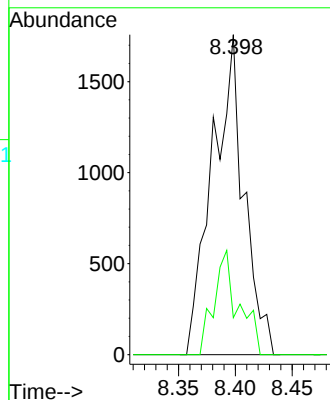
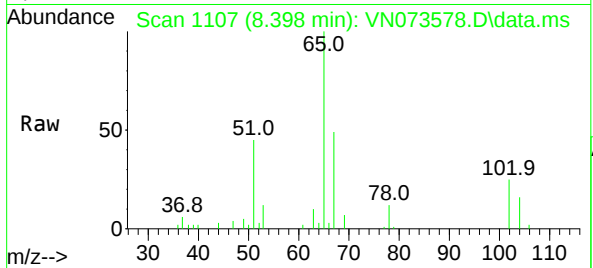
#40  
Benzene  
Concen: 0.274 ug/l  
RT: 8.398 min Scan# 1105  
Delta R.T. 0.012 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9F

Tgt Ion: 78 Resp: 340  
Ion Ratio Lower Upper  
78 100  
77 11.5 19.4 29.0

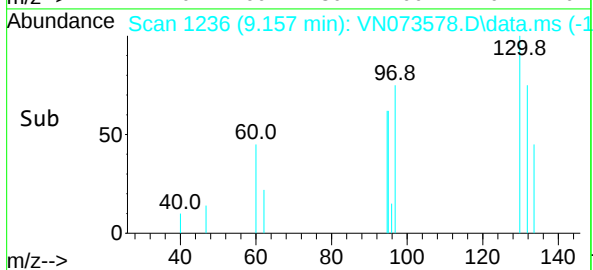
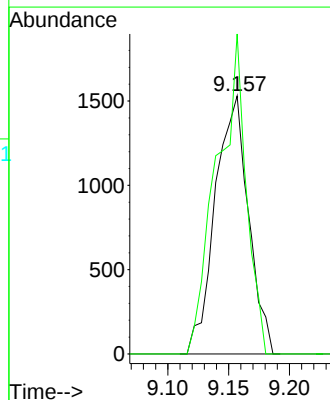
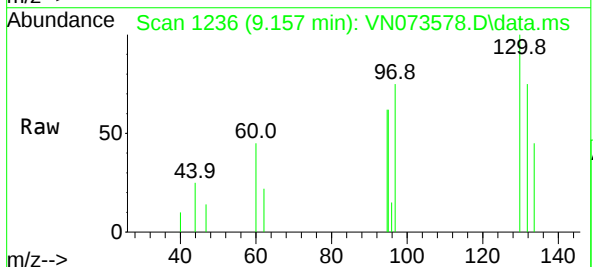
Manual Integrations  
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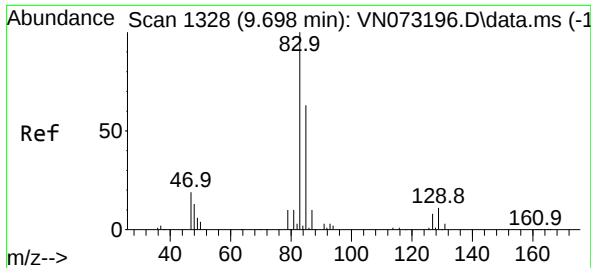
Reviewed By :John Carlone 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#44  
Trichloroethene  
Concen: 0.923 ug/l  
RT: 9.157 min Scan# 1236  
Delta R.T. 0.012 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

Tgt Ion:130 Resp: 2915  
Ion Ratio Lower Upper  
130 100  
95 124.0 0.0 186.8





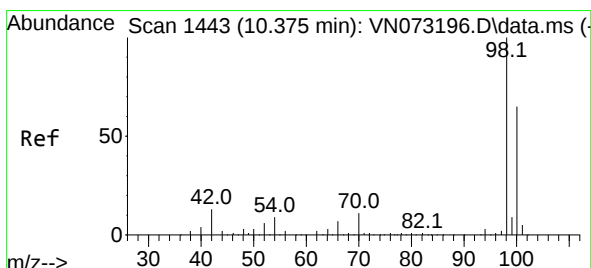
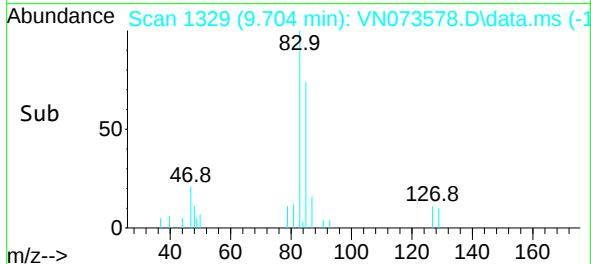
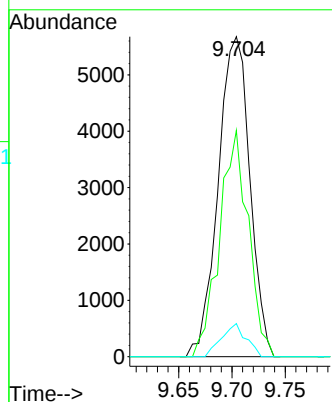
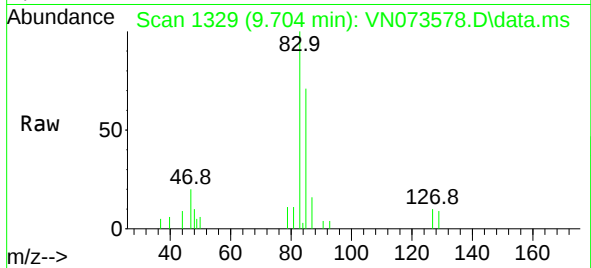
#47  
Bromodichloromethane  
Concen: 2.824 ug/l  
RT: 9.704 min Scan# 1174  
Delta R.T. 0.006 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9F

Tgt Ion: 83 Resp: 1174  
Ion Ratio Lower Upper  
83 100  
85 70.7 50.5 75.7  
127 10.4 6.8 10.2

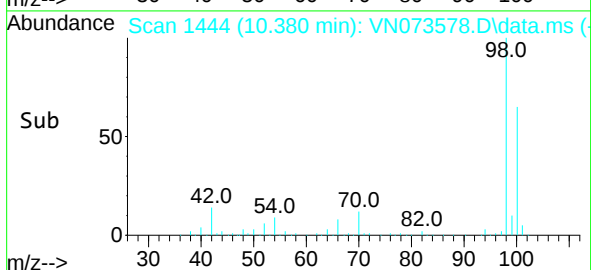
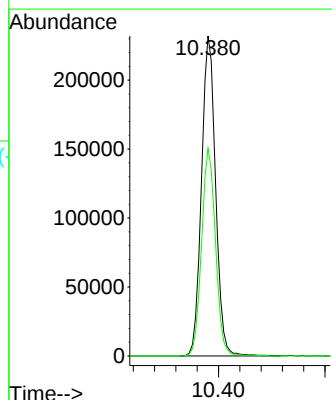
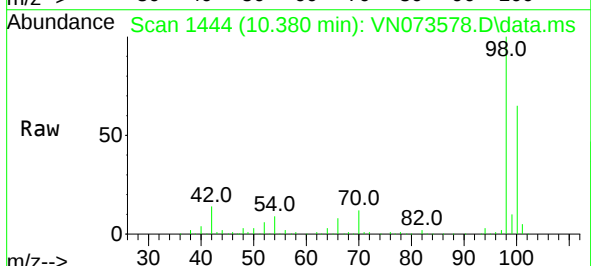
Manual Integrations  
APPROVED

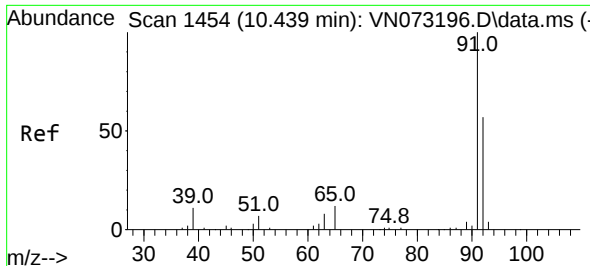
Reviewed By :John Carlone 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#50  
Toluene-d8  
Concen: 45.820 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.005 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

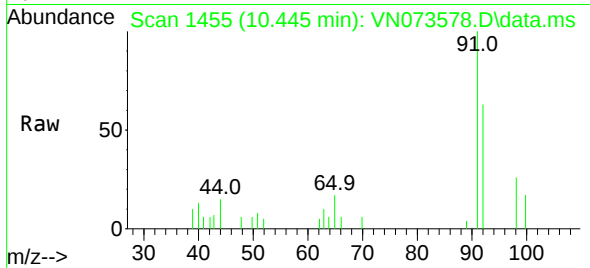
Tgt Ion: 98 Resp: 425402  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.6 78.8





#52  
Toluene  
Concen: 0.535 ug/l  
RT: 10.445 min Scan# 1455  
Delta R.T. 0.006 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

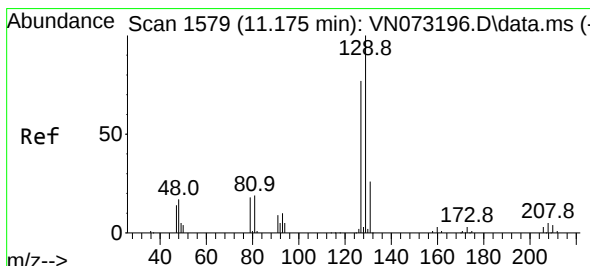
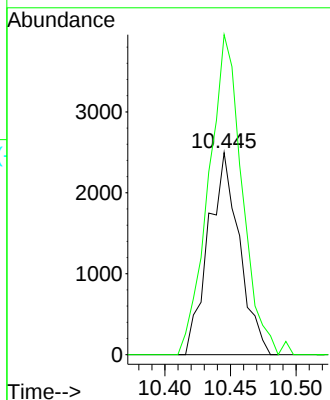
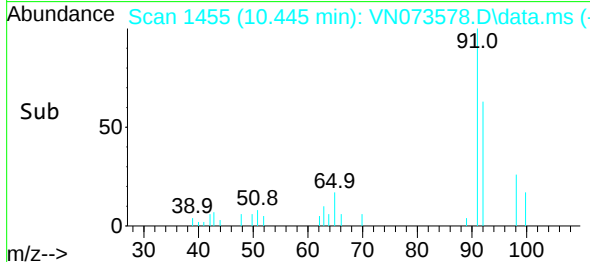
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9F



Tgt Ion: 92 Resp: 410  
Ion Ratio Lower Upper  
92 100  
91 171.8 138.6 207.8

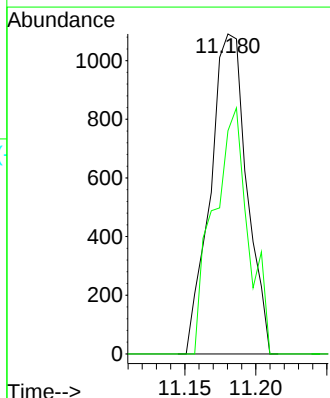
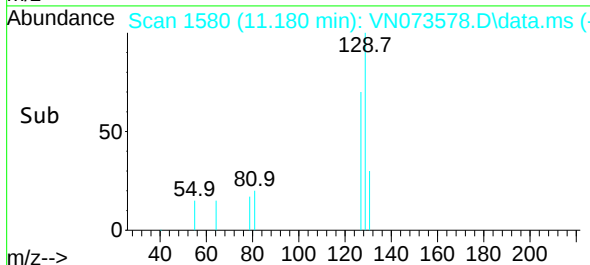
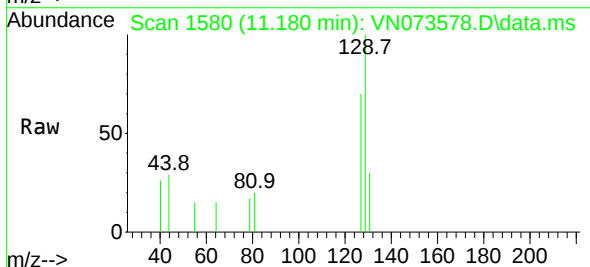
Manual Integrations  
APPROVED

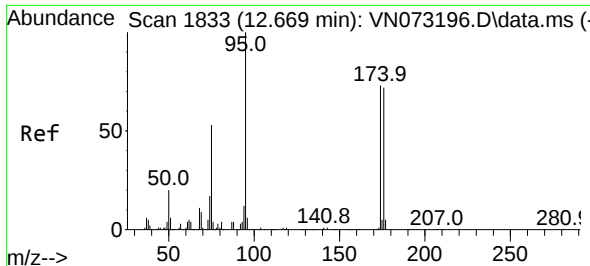
Reviewed By :John Carlone 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#60  
Dibromochloromethane  
Concen: 0.649 ug/l  
RT: 11.180 min Scan# 1580  
Delta R.T. 0.005 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

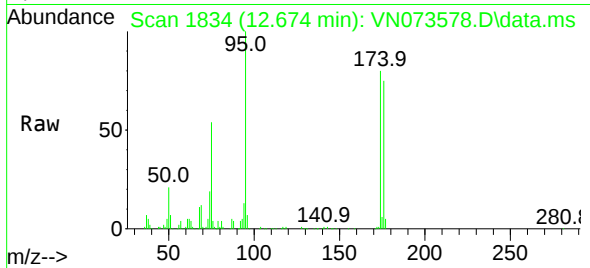
Tgt Ion:129 Resp: 1955  
Ion Ratio Lower Upper  
129 100  
127 73.1 38.8 116.4





#62  
4-Bromofluorobenzene  
Concen: 48.565 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.005 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

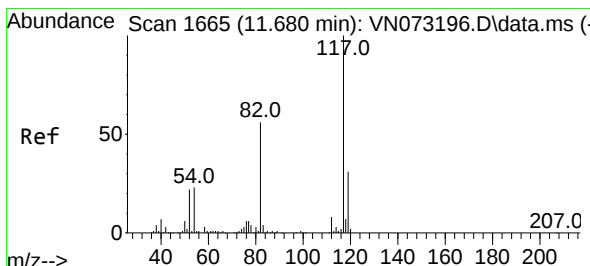
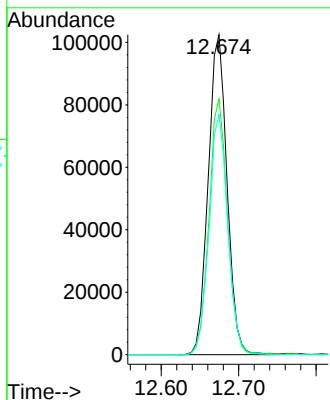
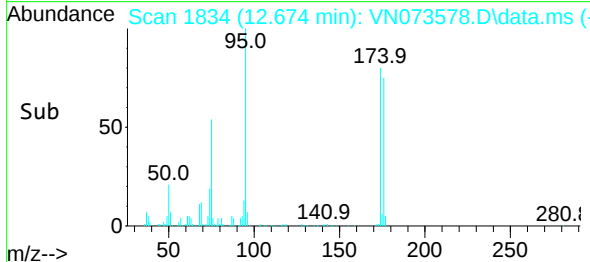
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9F



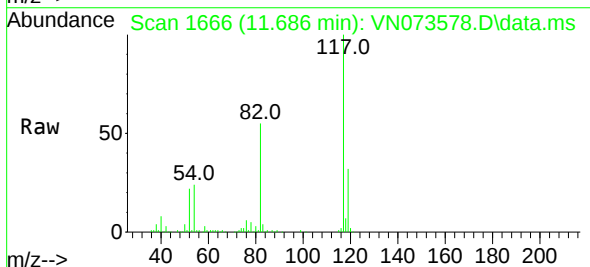
Tgt Ion: 95 Resp: 173270  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 167.6  
176 74.2 0.0 163.4

Manual Integrations  
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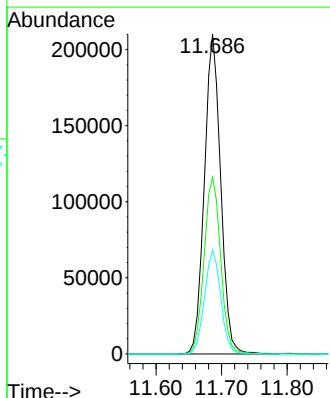
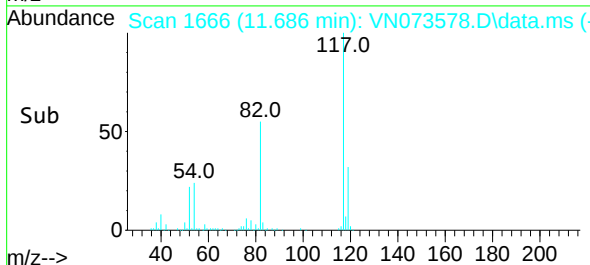
Reviewed By :John Carlone 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

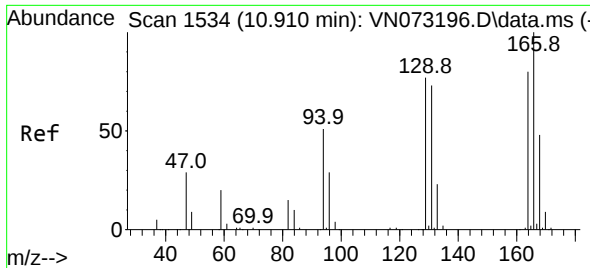


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.006 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44



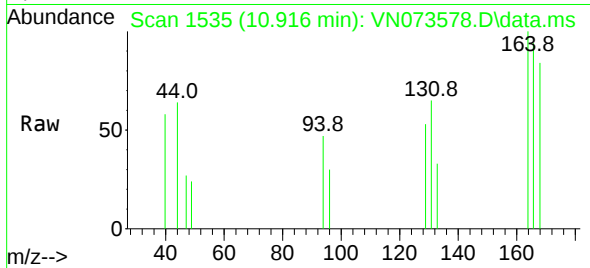
Tgt Ion:117 Resp: 363175  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.2 66.2  
119 32.5 25.4 38.0





#64  
Tetrachloroethene  
Concen: 0.398 ug/l  
RT: 10.916 min Scan# 1535  
Delta R.T. 0.006 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

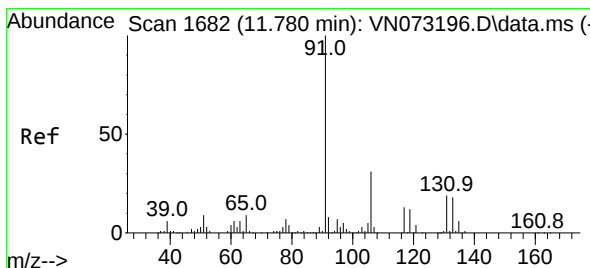
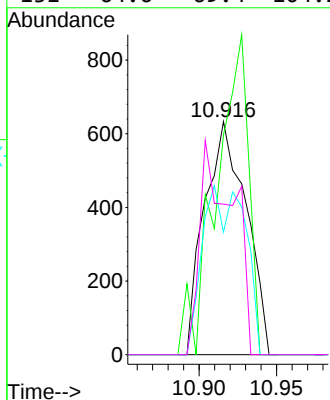
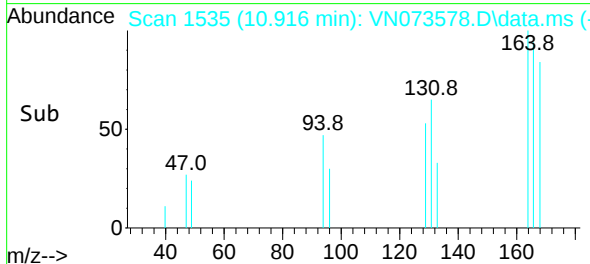
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9F



Tgt Ion:164 Resp: 118  
Ion Ratio Lower Upper  
164 100  
166 94.3 104.2 156.2  
129 52.6 73.9 110.9  
131 64.6 69.4 104.2

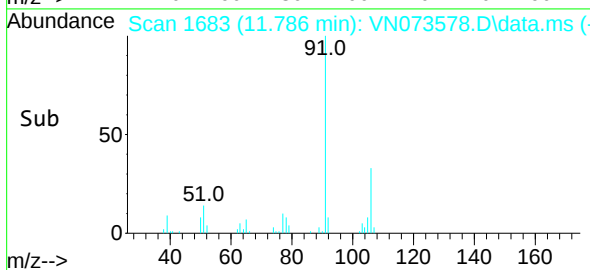
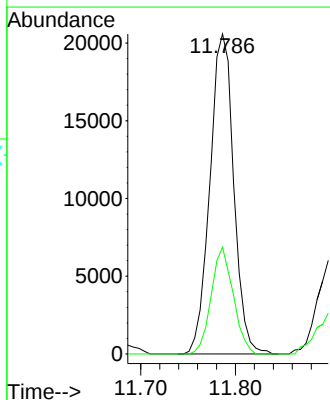
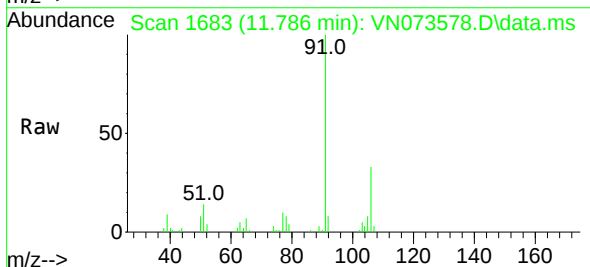
Manual Integrations  
APPROVED

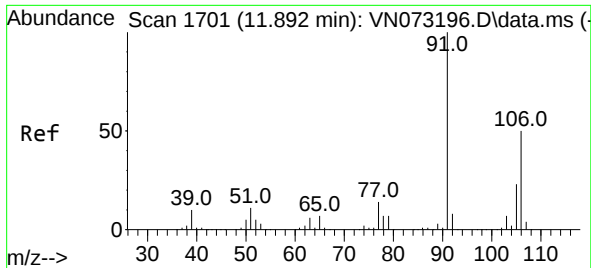
Reviewed By :John Carlone 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#67  
Ethyl Benzene  
Concen: 2.409 ug/l  
RT: 11.786 min Scan# 1683  
Delta R.T. 0.006 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

Tgt Ion: 91 Resp: 35921  
Ion Ratio Lower Upper  
91 100  
106 33.4 24.9 37.3





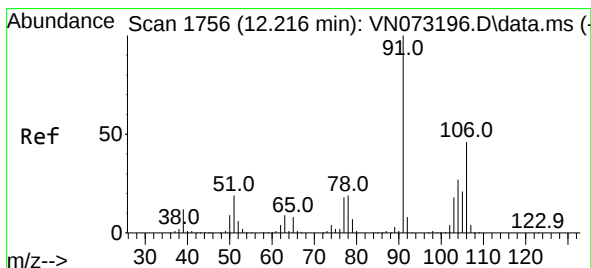
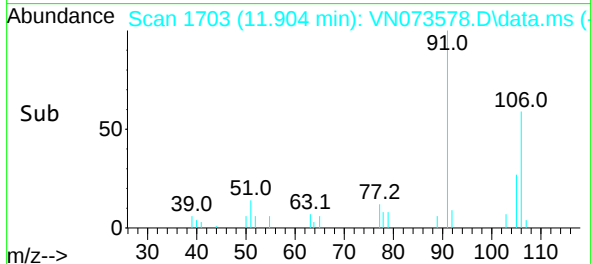
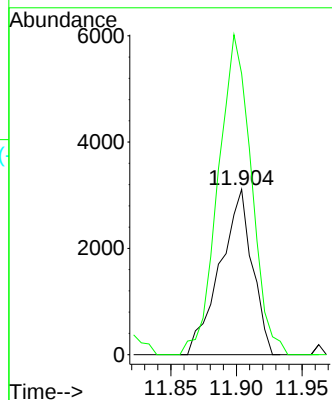
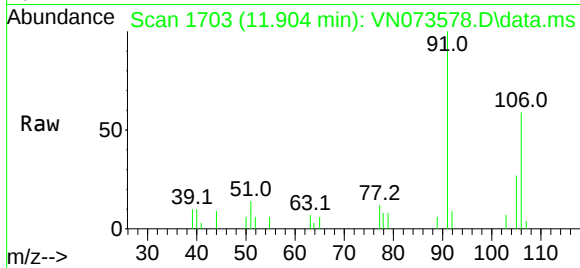
#68  
m/p-Xylenes  
Concen: 0.943 ug/l  
RT: 11.904 min Scan# 1703  
Delta R.T. 0.012 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9F

Tgt Ion:106 Resp: 530  
Ion Ratio Lower Upper  
106 100  
91 199.4 158.9 238.3

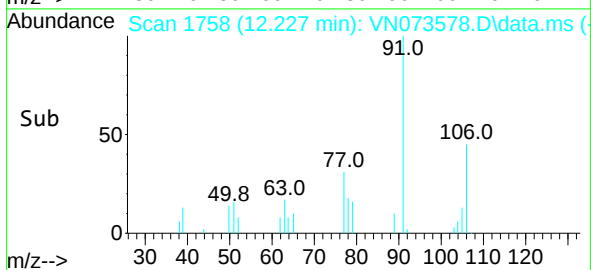
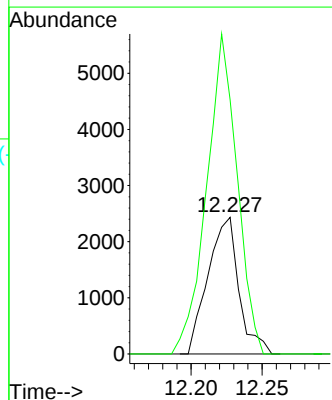
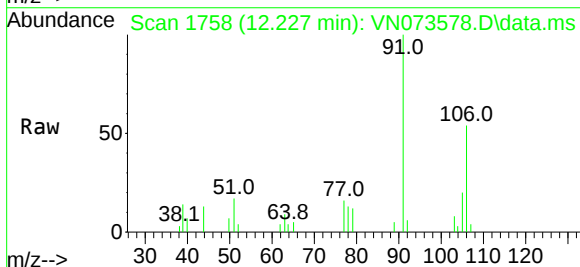
Manual Integrations  
APPROVED

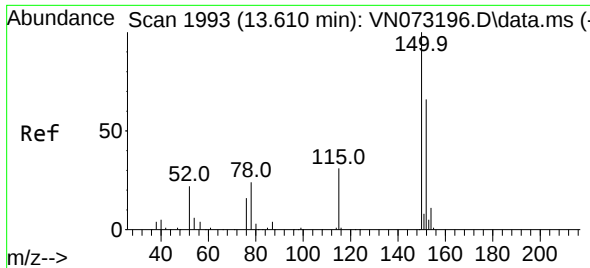
Reviewed By :John Carlone 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#69  
o-Xylene  
Concen: 0.640 ug/l  
RT: 12.227 min Scan# 1758  
Delta R.T. 0.011 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

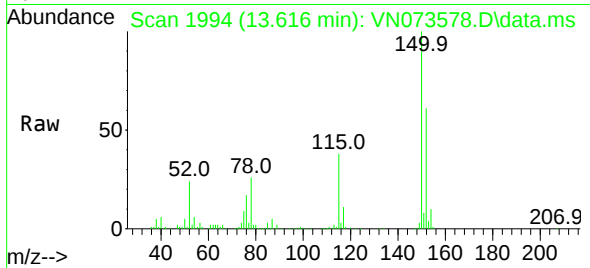
Tgt Ion:106 Resp: 3674  
Ion Ratio Lower Upper  
106 100  
91 231.4 106.0 318.0





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.616 min Scan# 1994  
Delta R.T. 0.006 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

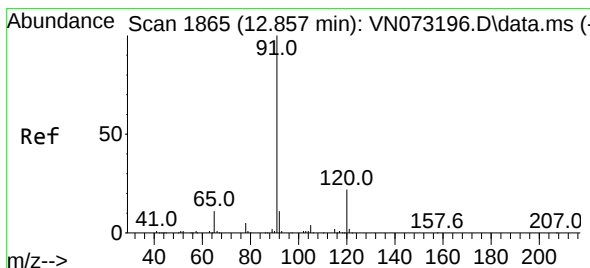
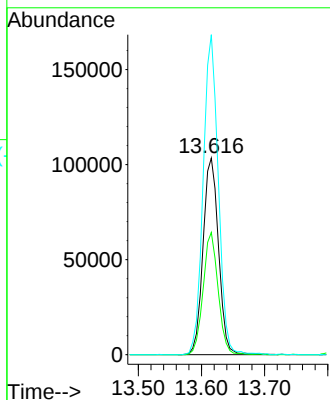
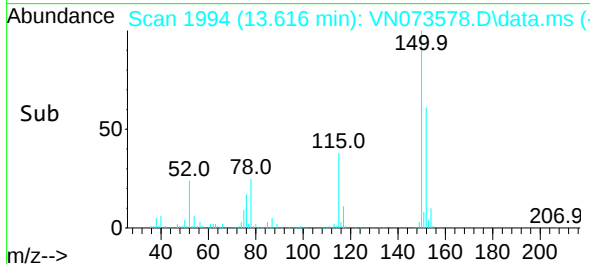
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9F



Tgt Ion:152 Resp: 17637  
Ion Ratio Lower Upper  
152 100  
115 60.0 28.9 86.7  
150 158.8 0.0 356.2

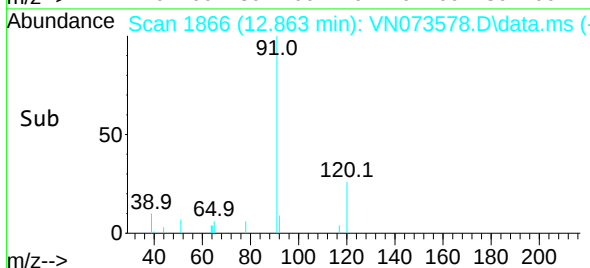
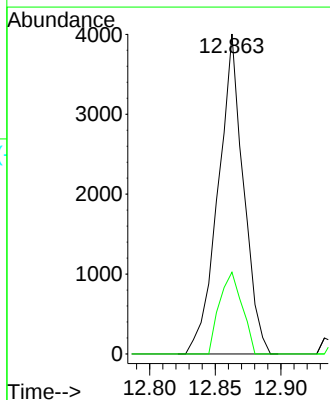
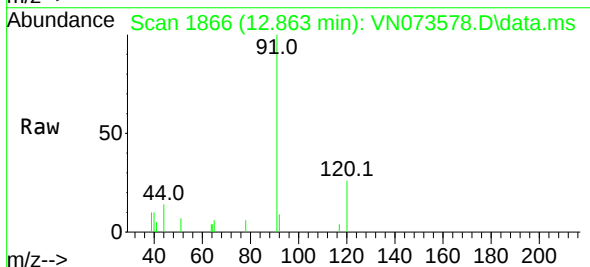
Manual Integrations  
APPROVED

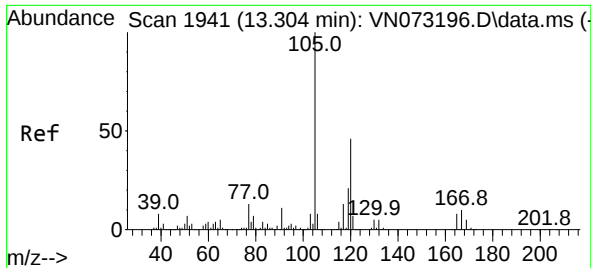
Reviewed By :John Carlone 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#78  
n-propylbenzene  
Concen: 0.318 ug/l  
RT: 12.863 min Scan# 1866  
Delta R.T. 0.006 min  
Lab File: VN073578.D  
Acq: 25 Jul 2022 14:44

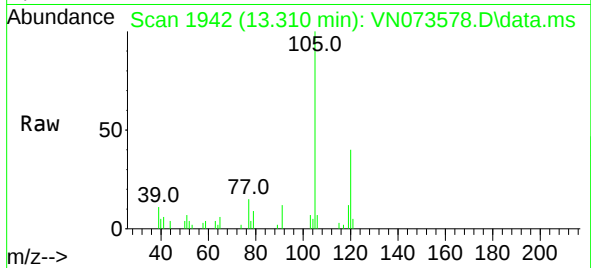
Tgt Ion: 91 Resp: 5374  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.9 35.5





#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.155 ug/l  
 RT: 13.310 min Scan# 1942  
 Delta R.T. 0.006 min  
 Lab File: VN073578.D  
 Acq: 25 Jul 2022 14:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-9F



Tgt Ion:105 Resp: 1432  
 Ion Ratio Lower Upper  
 105 100  
 120 44.4 23.3 69.8

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022

