

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040222\  
 Data File : VN071815.D  
 Acq On : 02 Apr 2022 22:11  
 Operator : JC\MD  
 Sample : N2244-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2-BD

Quant Time: Apr 04 01:11:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 04/04/2022  
 Supervised By : Mahesh Dadoda 04/05/2022

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.086          | 168  | 666653     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.963          | 114  | 1130615    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.739         | 117  | 1186046    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.668         | 152  | 478527     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.433          | 65   | 375862     | 49.387   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 98.780%  |        |          |
| 35) Dibromofluoromethane    | 8.022          | 113  | 319282     | 47.991   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 95.980%  |        |          |
| 50) Toluene-d8              | 10.439         | 98   | 1446807    | 53.160   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 106.320% |        |          |
| 62) 4-Bromofluorobenzene    | 12.727         | 95   | 532250     | 60.469   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 120.940% |        |          |
| Target Compounds            |                |      |            |          |        |          |
|                             |                |      |            |          | Qvalue |          |
| 16) Acetone                 | 4.269          | 43   | 13034      | 4.007    | ug/l # | 59       |
| 31) Cyclohexane             | 8.092          | 56   | 41827      | 4.041    | ug/l # | 75       |
| 39) Methylcyclohexane       | 9.457          | 83   | 42972      | 3.886    | ug/l   | 95       |
| 52) Toluene                 | 10.504         | 92   | 112588     | 6.069    | ug/l   | 98       |
| 67) Ethyl Benzene           | 11.839         | 91   | 1469837    | 36.560   | ug/l   | 99       |
| 68) m/p-Xylenes             | 11.945         | 106  | 1677323    | 108.584  | ug/l   | 100      |
| 69) o-Xylene                | 12.274         | 106  | 331156     | 21.599   | ug/l   | 99       |
| 73) Isopropylbenzene        | 12.574         | 105  | 880555     | 21.837   | ug/l   | 100      |
| 78) n-propylbenzene         | 12.915         | 91   | 454090     | 10.705   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 13.057         | 105  | 382990     | 11.987   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.363         | 105  | 1701785    | 54.592   | ug/l   | 100      |
| 85) sec-Butylbenzene        | 13.498         | 105  | 18790m     | 0.496    | ug/l   |          |
| 89) n-Butylbenzene          | 13.939         | 91   | 15142      | 0.676    | ug/l # | 78       |
| 95) Naphthalene             | 15.504         | 128  | 210987     | 12.749   | ug/l   | 100      |
| -----                       |                |      |            |          |        |          |

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

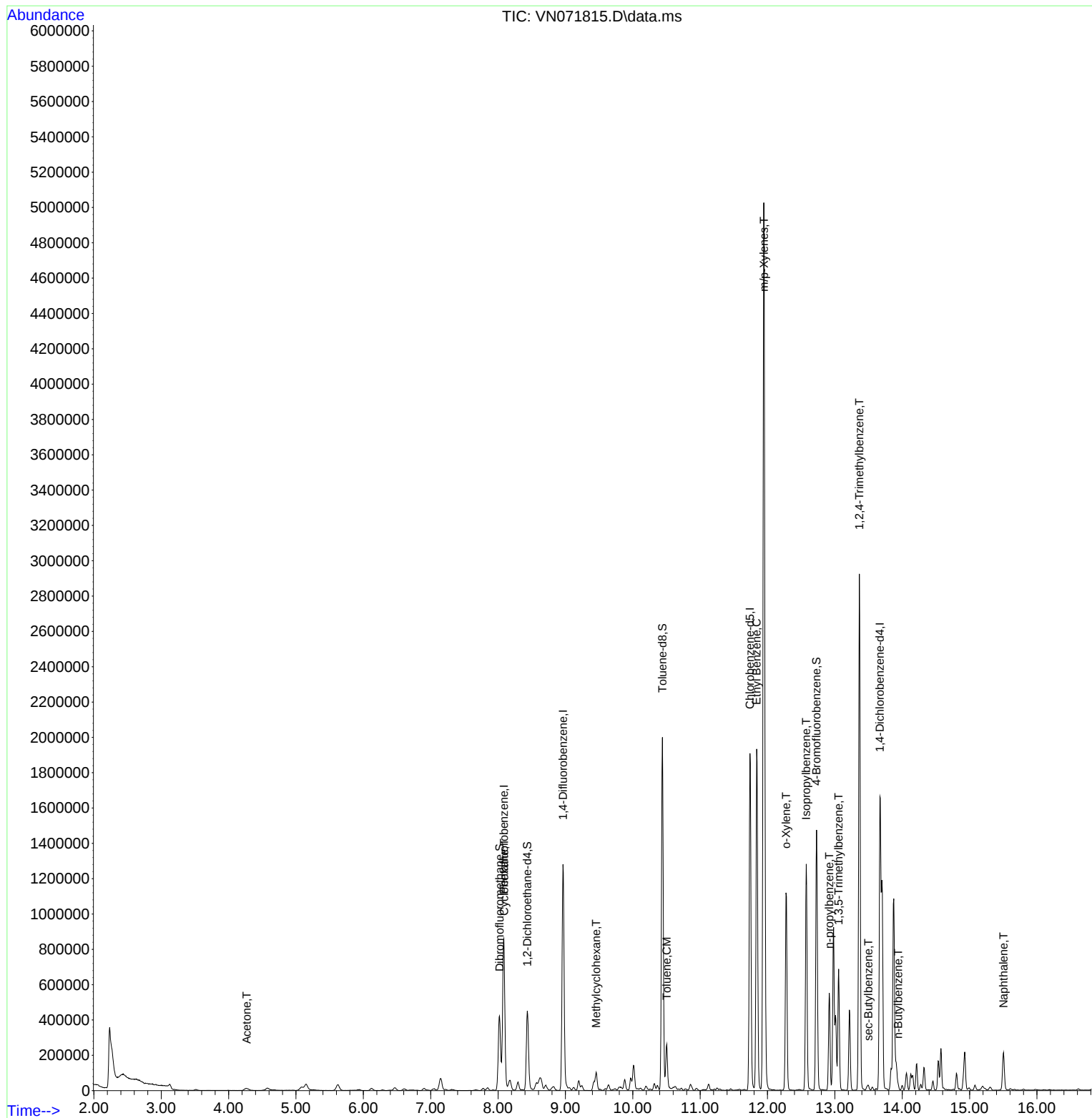
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040222\  
Data File : VN071815.D  
Acq On : 02 Apr 2022 22:11  
Operator : JC\MD  
Sample : N2244-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

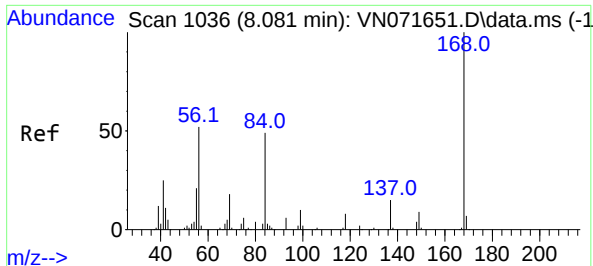
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-BD

Manual Integrations  
APPROVED

Reviewed By : John Carlone 04/04/2022  
Supervised By : Mahesh Dadoda 04/05/2022

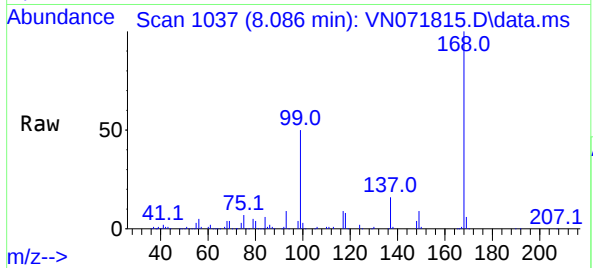
Quant Time: Apr 04 01:11:32 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 31 01:57:54 2022  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 1036  
Delta R.T. 0.005 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

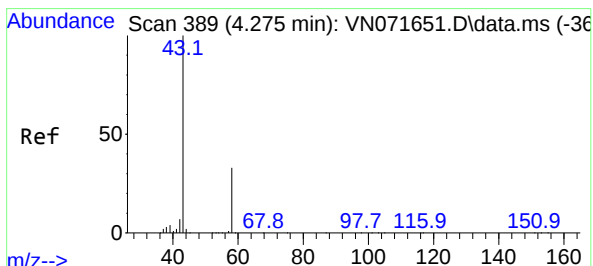
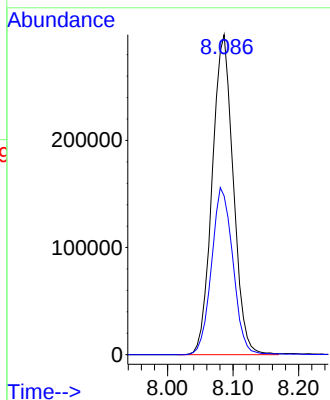
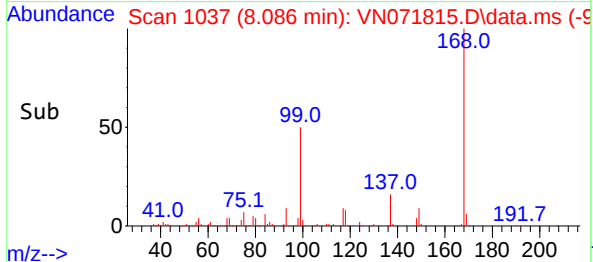
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-BD



Tgt Ion:168 Resp: 66665  
Ion Ratio Lower Upper  
168 100  
99 49.6 42.3 63.5

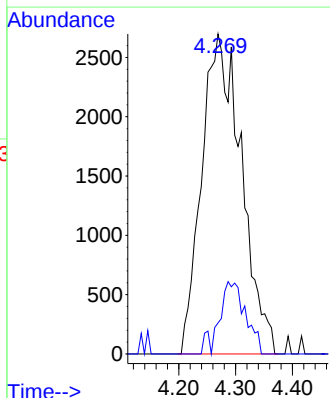
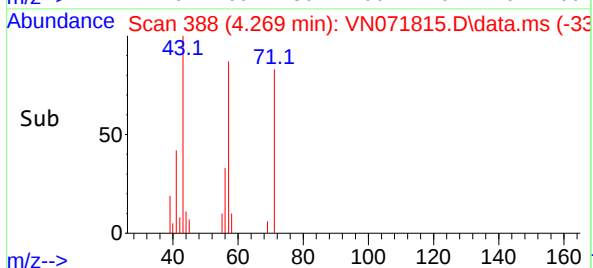
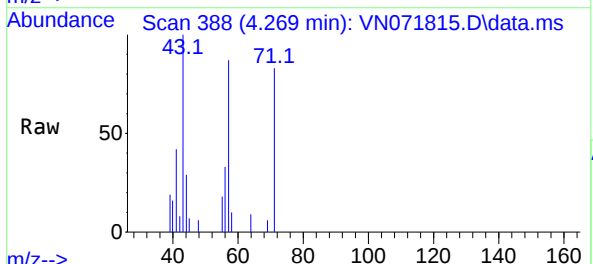
Manual Integrations  
APPROVED

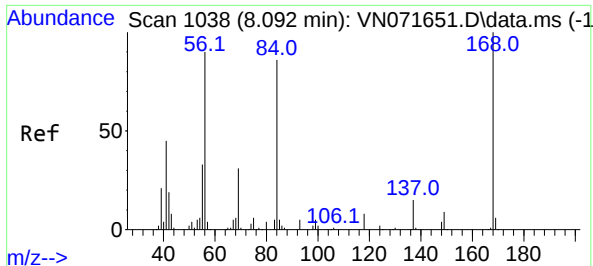
Reviewed By :John Carlone 04/04/2022  
Supervised By :Mahesh Dadoda 04/05/2022



#16  
Acetone  
Concen: 4.007 ug/l  
RT: 4.269 min Scan# 388  
Delta R.T. -0.006 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

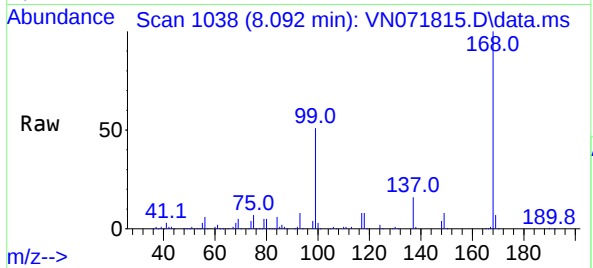
Tgt Ion: 43 Resp: 13034  
Ion Ratio Lower Upper  
43 100  
58 9.7 26.0 39.0#





#31  
Cyclohexane  
Concen: 4.041 ug/l  
RT: 8.092 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

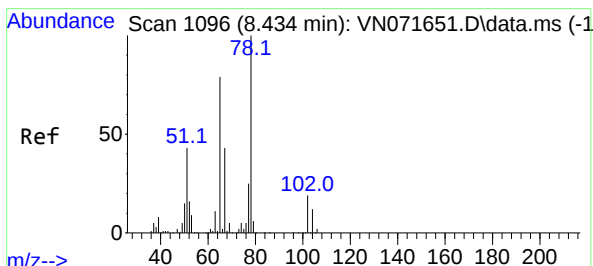
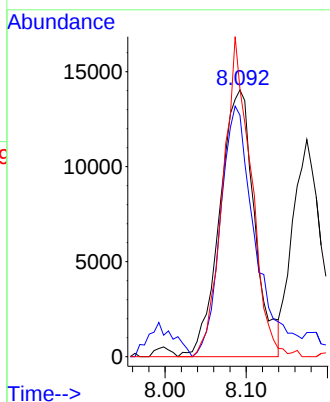
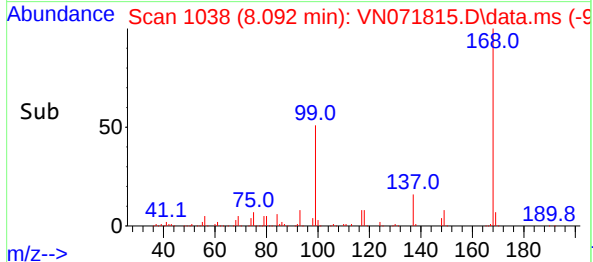
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-BD



Tgt Ion: 56 Resp: 4182  
Ion Ratio Lower Upper  
56 100  
69 83.0 27.8 41.8  
84 100.3 76.9 115.3

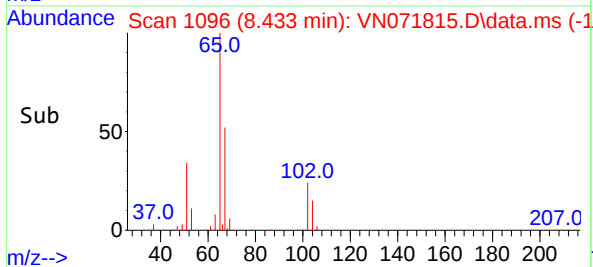
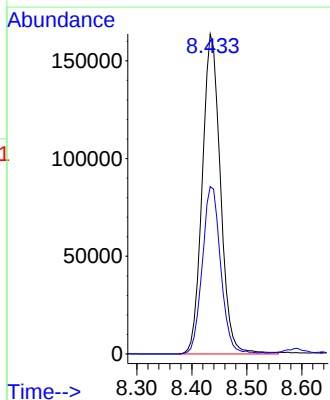
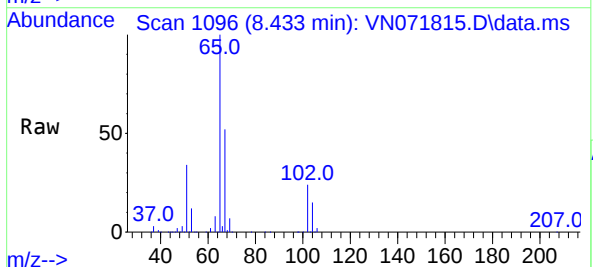
Manual Integrations  
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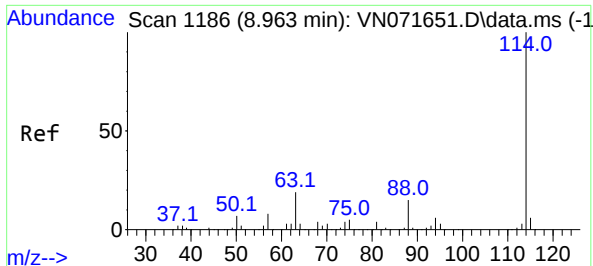
Reviewed By :John Carlone 04/04/2022  
Supervised By :Mahesh Dadoda 04/05/2022



#33  
1,2-Dichloroethane-d4  
Concen: 49.387 ug/l  
RT: 8.433 min Scan# 1096  
Delta R.T. -0.001 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

Tgt Ion: 65 Resp: 375862  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071815.D

Acq: 02 Apr 2022 22:11

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-BD

Tgt Ion:114 Resp: 113061

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

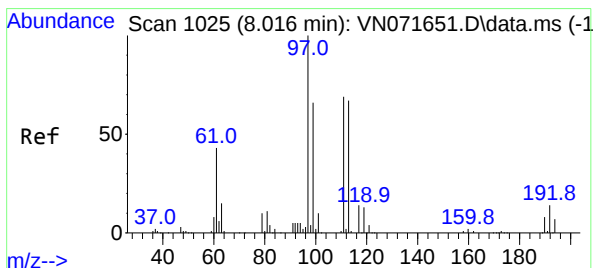
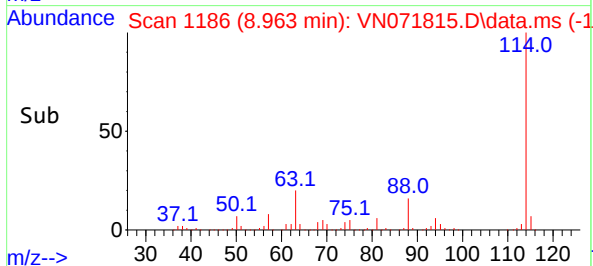
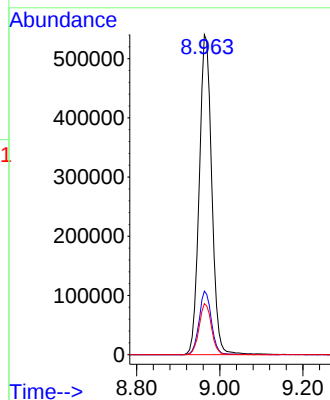
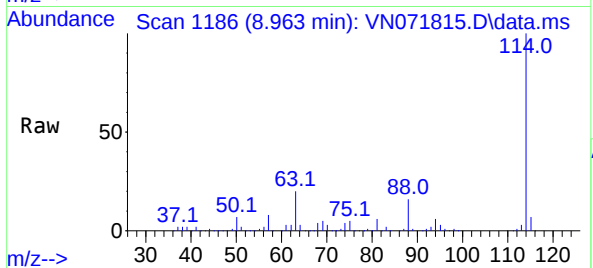
88 16.0 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/04/2022

Supervised By :Mahesh Dadoda 04/05/2022



#35

Dibromofluoromethane

Concen: 47.991 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071815.D

Acq: 02 Apr 2022 22:11

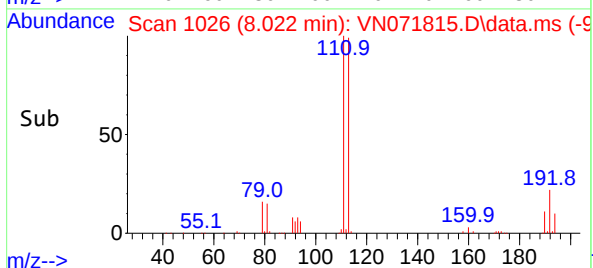
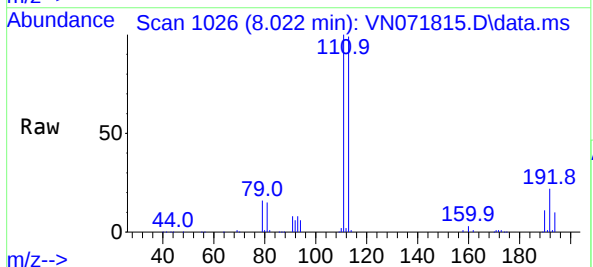
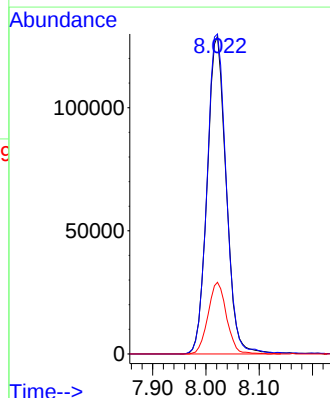
Tgt Ion:113 Resp: 319282

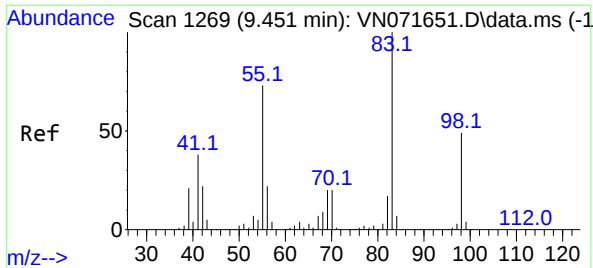
Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 22.0 17.0 25.6





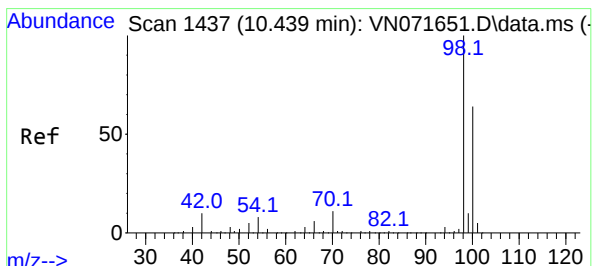
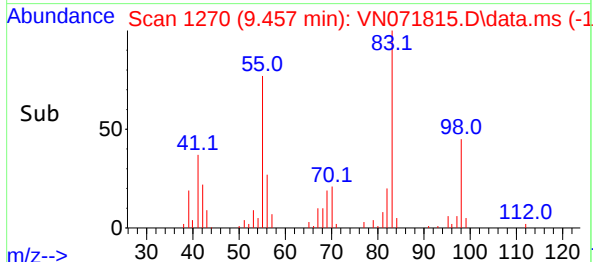
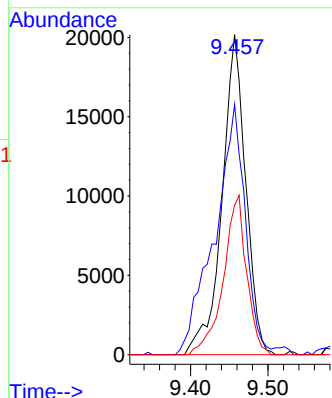
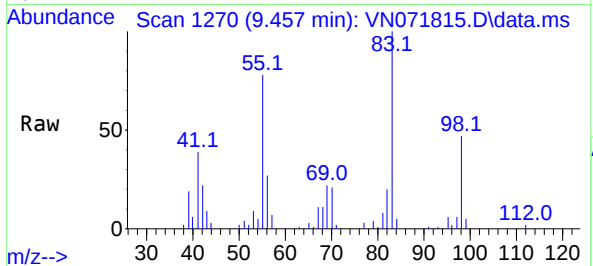
#39  
Methylcyclohexane  
Concen: 3.886 ug/l  
RT: 9.457 min Scan# 1269  
Delta R.T. 0.006 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-BD

Tgt Ion: 83 Resp: 42972  
Ion Ratio Lower Upper  
83 100  
55 76.7 57.8 86.8  
98 46.6 39.4 59.2

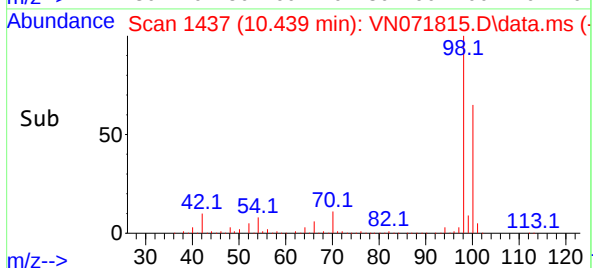
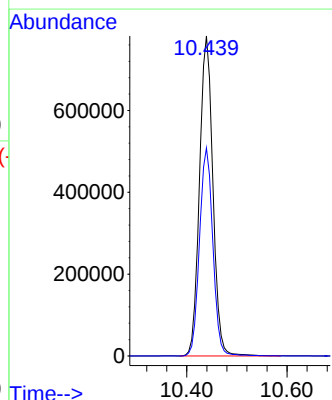
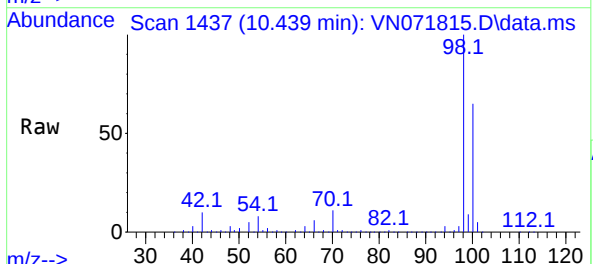
Manual Integrations  
APPROVED

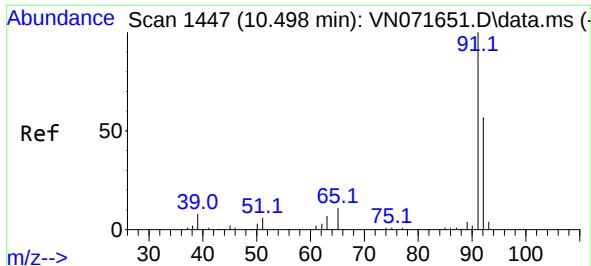
Reviewed By :John Carlone 04/04/2022  
Supervised By :Mahesh Dadoda 04/05/2022



#50  
Toluene-d8  
Concen: 53.160 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

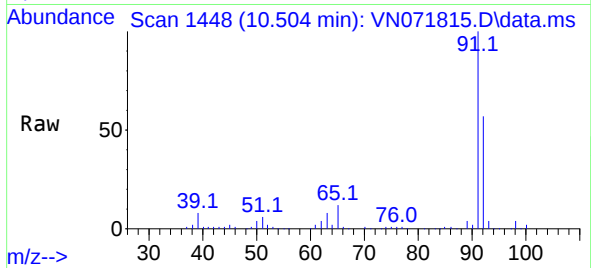
Tgt Ion: 98 Resp: 1446807  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.6 78.8





#52  
Toluene  
Concen: 6.069 ug/l  
RT: 10.504 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

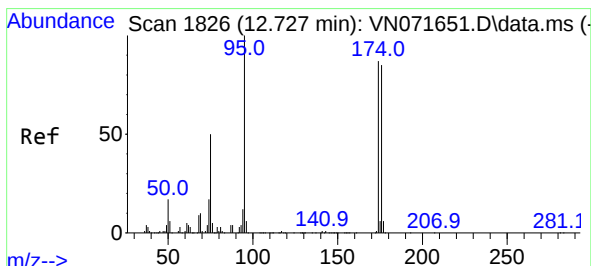
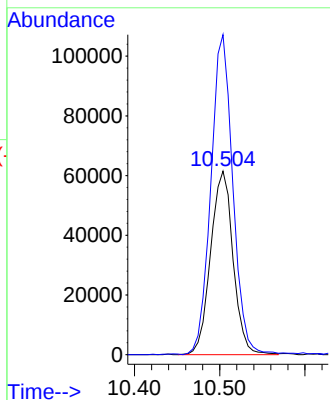
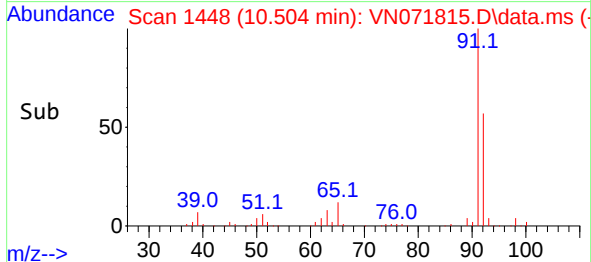
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-BD



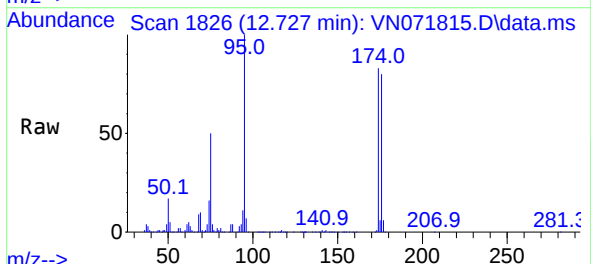
Tgt Ion: 92 Resp: 11258  
Ion Ratio Lower Upper  
92 100  
91 170.9 138.6 207.8

Manual Integrations  
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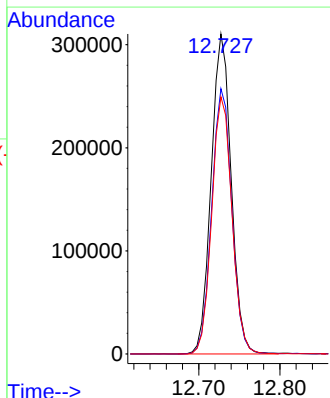
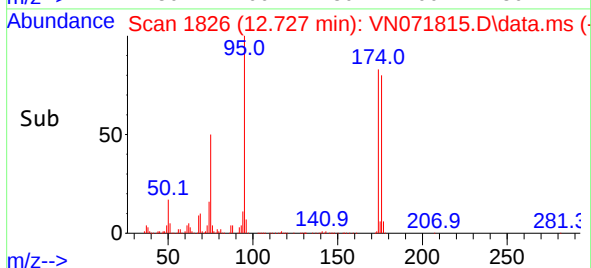
Reviewed By :John Carlone 04/04/2022  
Supervised By :Mahesh Dadoda 04/05/2022

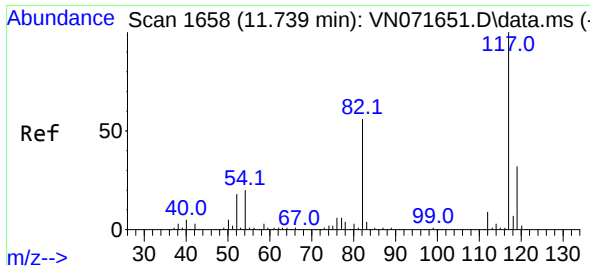


#62  
4-Bromofluorobenzene  
Concen: 60.469 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11



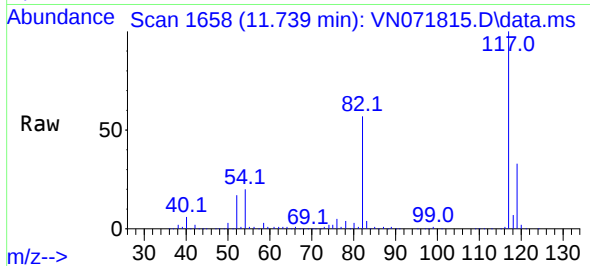
Tgt Ion: 95 Resp: 532250  
Ion Ratio Lower Upper  
95 100  
174 83.4 0.0 167.6  
176 81.1 0.0 163.4





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

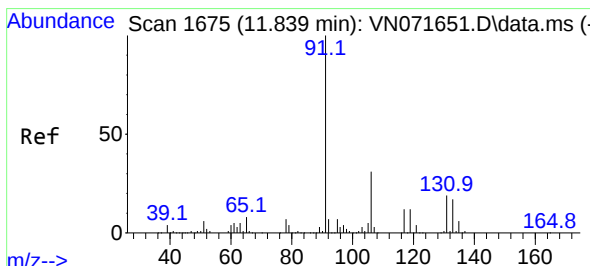
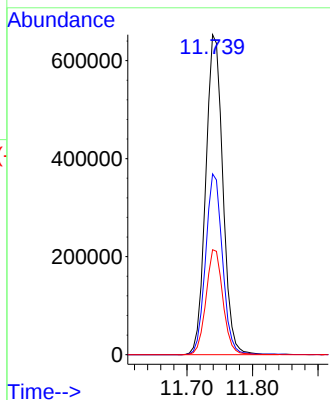
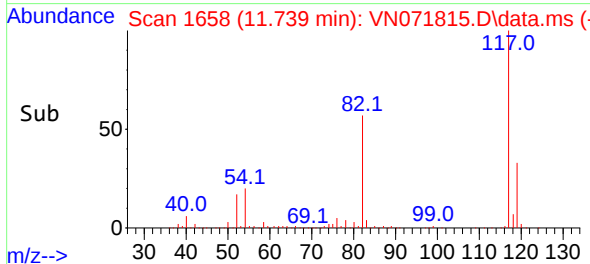
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-BD



Tgt Ion: 117 Resp: 1186040  
Ion Ratio Lower Upper  
117 100  
82 56.5 44.2 66.2  
119 32.8 25.4 38.0

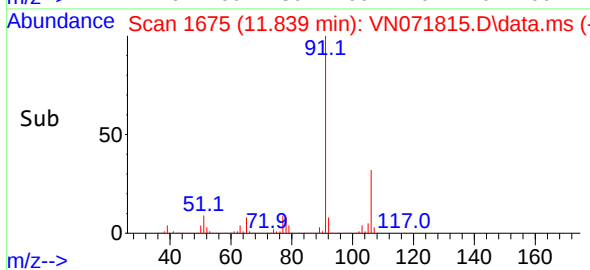
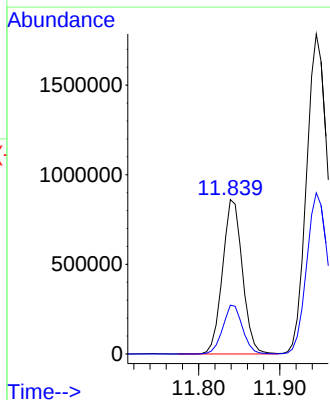
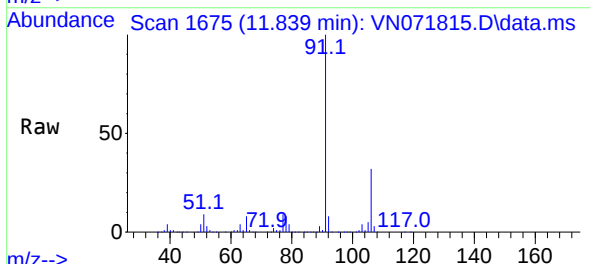
Manual Integrations  
APPROVED

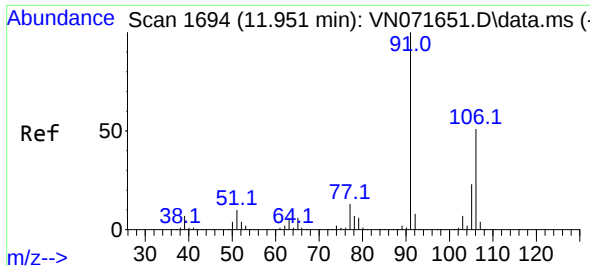
Reviewed By :John Carlone 04/04/2022  
Supervised By :Mahesh Dadoda 04/05/2022



#67  
Ethyl Benzene  
Concen: 36.560 ug/l  
RT: 11.839 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

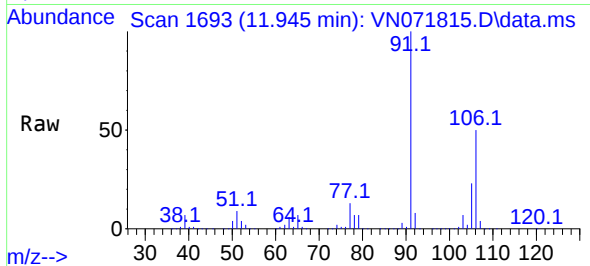
Tgt Ion: 91 Resp: 1469837  
Ion Ratio Lower Upper  
91 100  
106 31.6 24.9 37.3





#68  
m/p-Xylenes  
Concen: 108.584 ug/l  
RT: 11.945 min Scan# 1693  
Delta R.T. -0.006 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

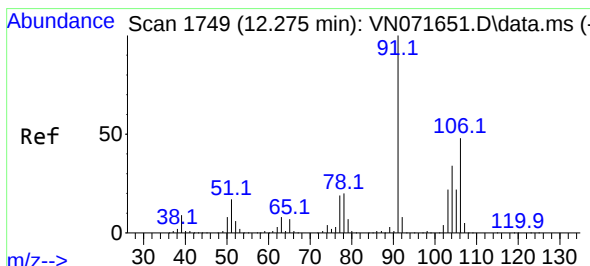
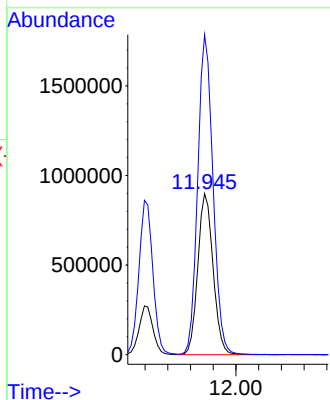
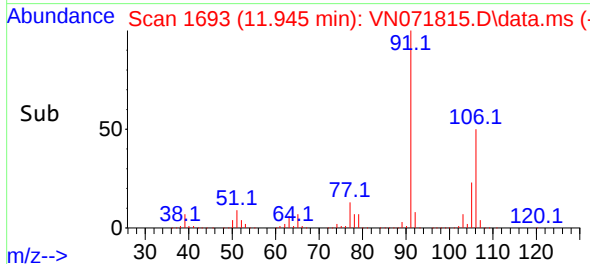
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-BD



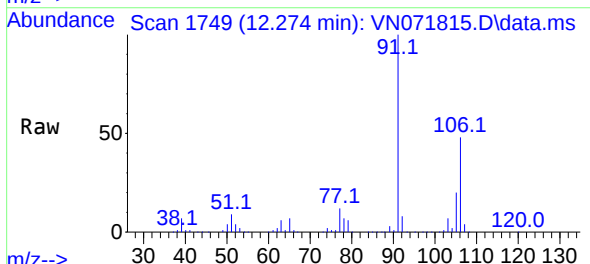
Tgt Ion:106 Resp: 167732  
Ion Ratio Lower Upper  
106 100  
91 198.7 158.9 238.3

Manual Integrations  
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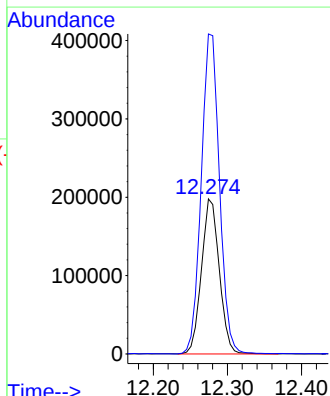
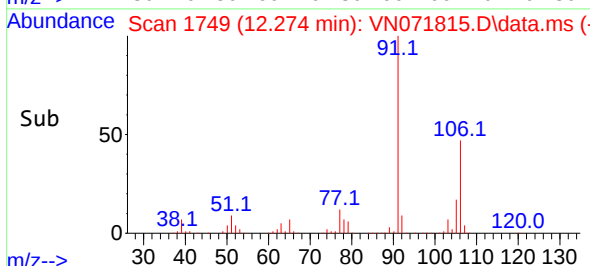
Reviewed By :John Carlone 04/04/2022  
Supervised By :Mahesh Dadoda 04/05/2022

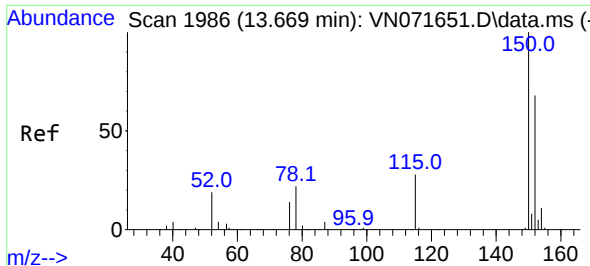


#69  
o-Xylene  
Concen: 21.599 ug/l  
RT: 12.274 min Scan# 1749  
Delta R.T. -0.001 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11



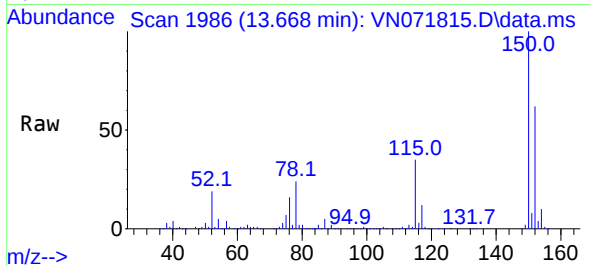
Tgt Ion:106 Resp: 331156  
Ion Ratio Lower Upper  
106 100  
91 210.8 106.0 318.0





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. -0.001 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

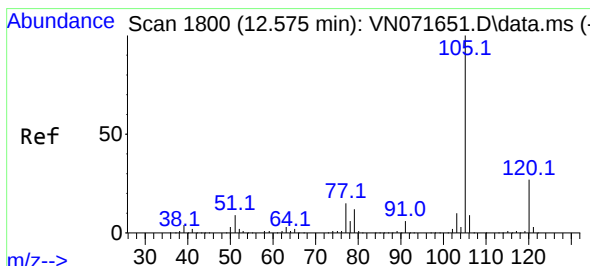
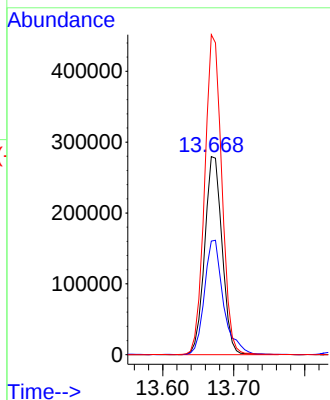
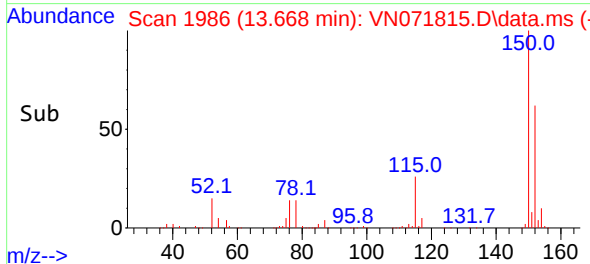
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-BD



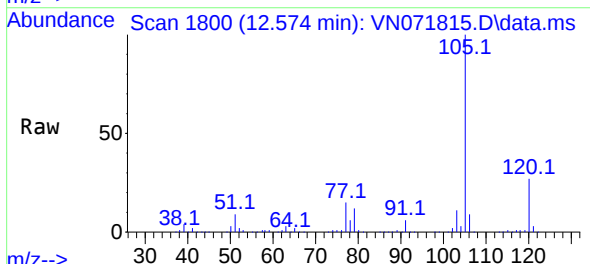
Tgt Ion:152 Resp: 47852  
Ion Ratio Lower Upper  
152 100  
115 63.1 28.9 86.7  
150 158.7 0.0 356.2

Manual Integrations  
APPROVED

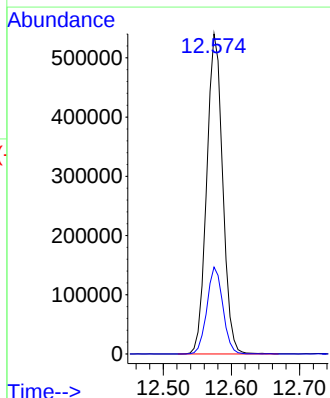
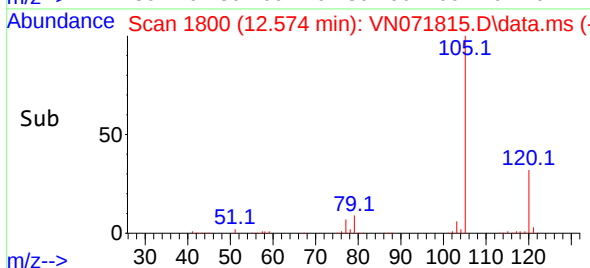
Reviewed By :John Carlone 04/04/2022  
Supervised By :Mahesh Dadoda 04/05/2022

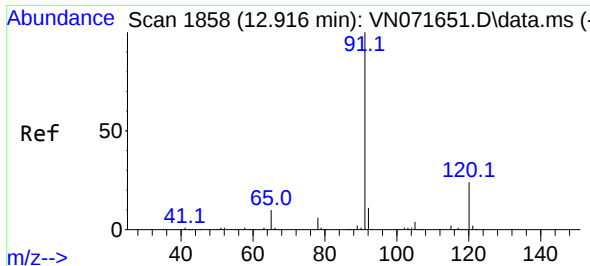


#73  
Isopropylbenzene  
Concen: 21.837 ug/l  
RT: 12.574 min Scan# 1800  
Delta R.T. -0.001 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11



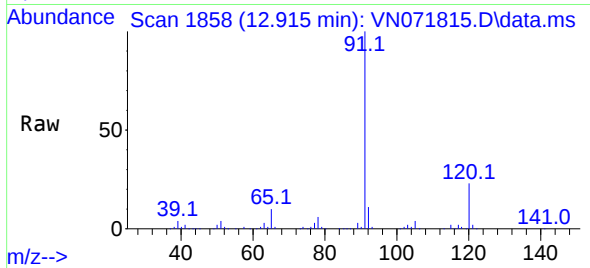
Tgt Ion:105 Resp: 880555  
Ion Ratio Lower Upper  
105 100  
120 27.1 13.5 40.4





#78  
n-propylbenzene  
Concen: 10.705 ug/l  
RT: 12.915 min Scan# 1858  
Delta R.T. -0.001 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

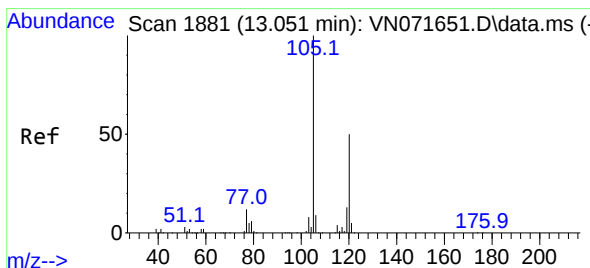
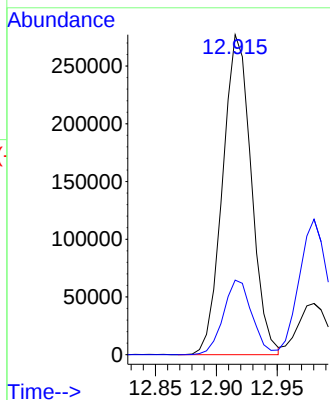
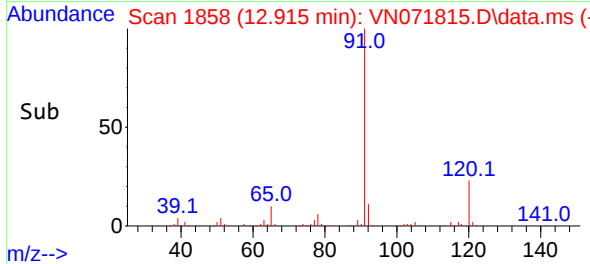
Instrument : MSVOA\_N  
ClientSampleId : MW-2-BD



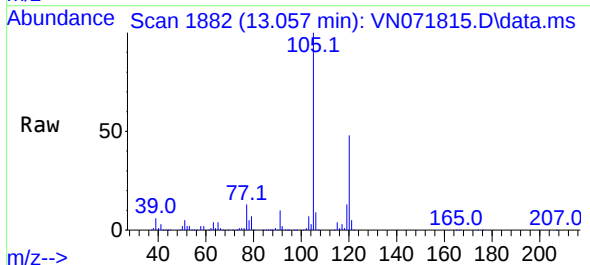
Tgt Ion: 91 Resp: 454090  
Ion Ratio Lower Upper  
91 100  
120 23.1 11.9 35.5

Manual Integrations  
APPROVED

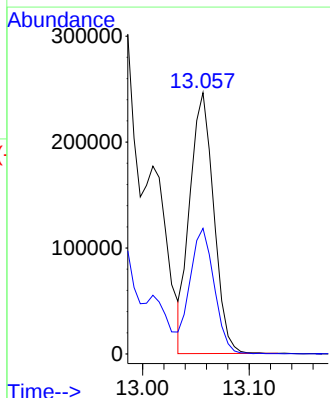
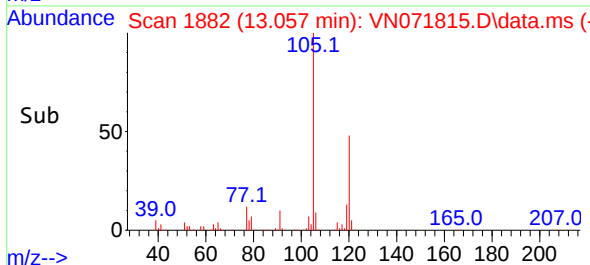
Reviewed By :John Carlone 04/04/2022  
Supervised By :Mahesh Dadoda 04/05/2022

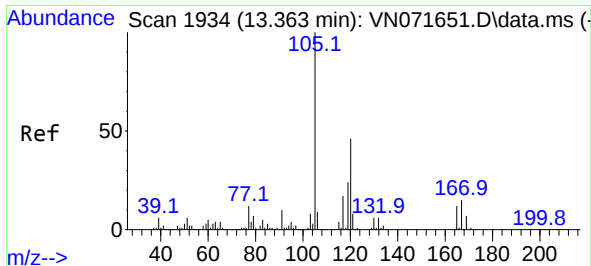


#80  
1,3,5-Trimethylbenzene  
Concen: 11.987 ug/l  
RT: 13.057 min Scan# 1882  
Delta R.T. 0.006 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11



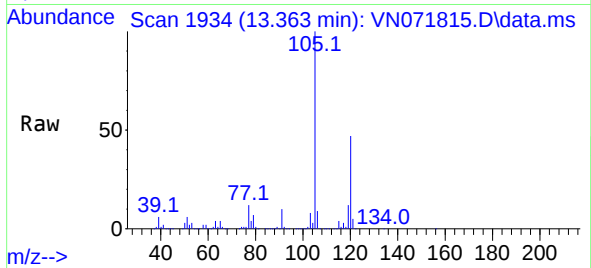
Tgt Ion:105 Resp: 382990  
Ion Ratio Lower Upper  
105 100  
120 48.6 24.9 74.7





#84  
1,2,4-Trimethylbenzene  
Concen: 54.592 ug/l  
RT: 13.363 min Scan# 1934  
Delta R.T. -0.000 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

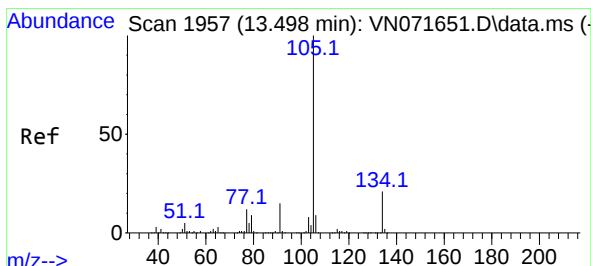
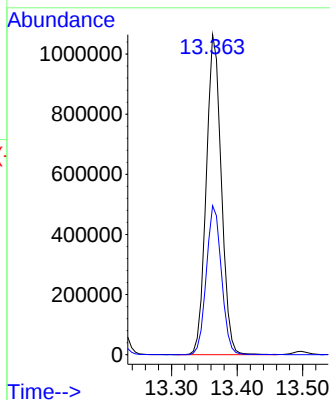
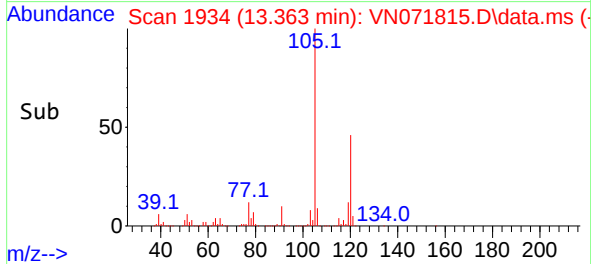
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-BD



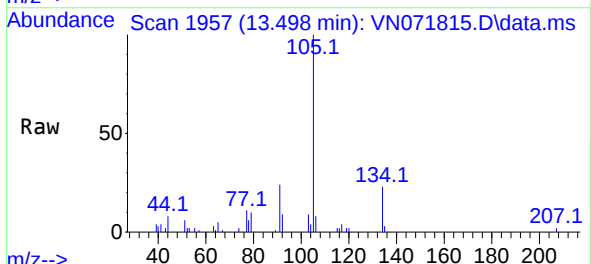
Tgt Ion:105 Resp: 170178  
Ion Ratio Lower Upper  
105 100  
120 46.8 23.3 69.8

Manual Integrations  
APPROVED

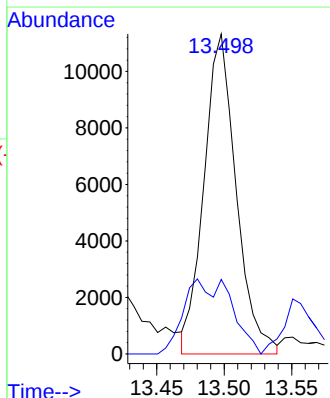
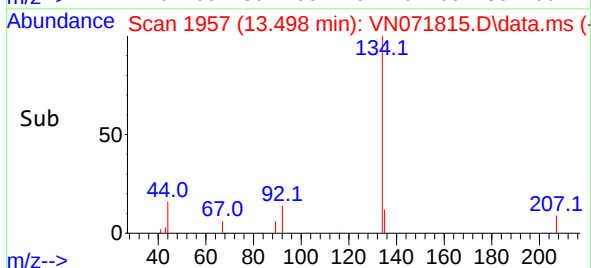
Reviewed By :John Carlone 04/04/2022  
Supervised By :Mahesh Dadoda 04/05/2022

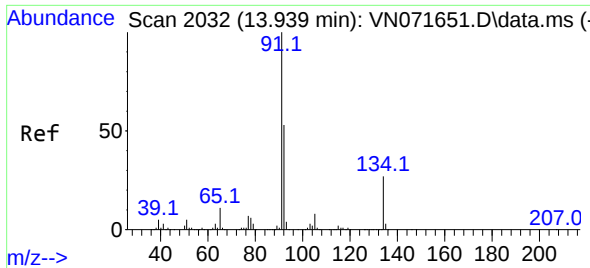


#85  
sec-Butylbenzene  
Concen: 0.496 ug/l m  
RT: 13.498 min Scan# 1957  
Delta R.T. -0.000 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11



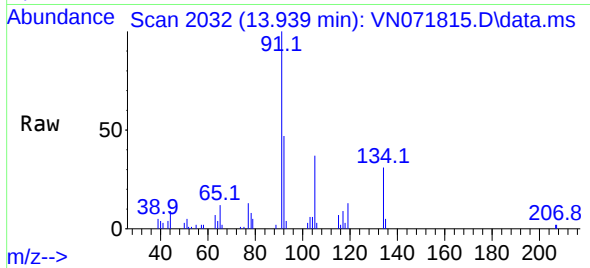
Tgt Ion:105 Resp: 18790  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.4 31.1#





#89  
n-Butylbenzene  
Concen: 0.676 ug/l  
RT: 13.939 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11

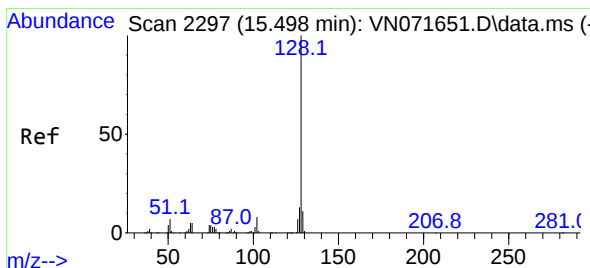
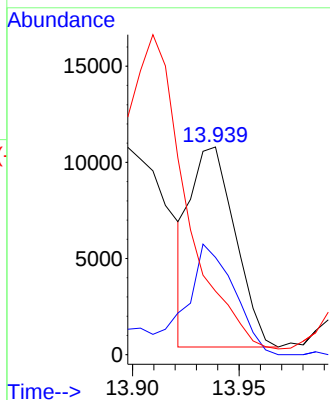
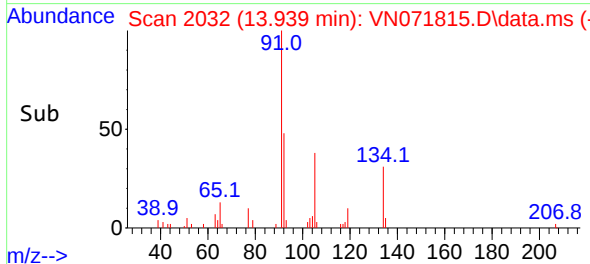
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-BD



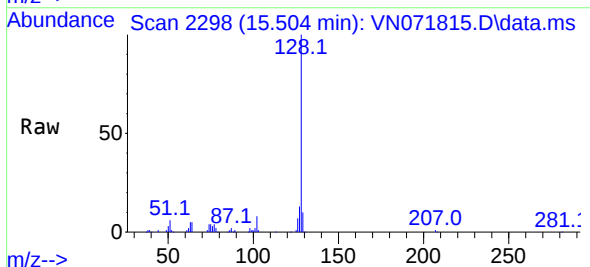
Tgt Ion: 91 Resp: 1514  
Ion Ratio Lower Upper  
91 100  
92 58.8 26.9 80.7  
134 0.0 13.6 40.8

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/04/2022  
Supervised By :Mahesh Dadoda 04/05/2022



#95  
Naphthalene  
Concen: 12.749 ug/l  
RT: 15.504 min Scan# 2298  
Delta R.T. 0.006 min  
Lab File: VN071815.D  
Acq: 02 Apr 2022 22:11



Tgt Ion:128 Resp: 210987  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.3 15.5  
129 10.8 8.6 13.0

