

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091622\  
 Data File : VN074542.D  
 Acq On : 17 Sep 2022 04:57  
 Operator : JC\MD  
 Sample : N4549-14  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-58

Quant Time: Sep 17 06:19:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 19:20:33 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 09/17/2022  
 Supervised By :Mahesh Dadoda 09/19/2022

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.016          | 168  | 272673     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.904          | 114  | 546719     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.686         | 117  | 542667     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.615         | 152  | 235178     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.369          | 65   | 227256     | 49.120   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 98.240%  |        |          |
| 35) Dibromofluoromethane    | 7.951          | 113  | 186298     | 51.297   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 102.600% |        |          |
| 50) Toluene-d8              | 10.380         | 98   | 675551     | 48.098   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 96.200%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.674         | 95   | 265338     | 55.158   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 110.320% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 11) Tert butyl alcohol      | 5.281          | 59   | 19699      | 13.071   | ug/l # | 86       |
| 16) Acetone                 | 4.234          | 43   | 8439m      | 2.851    | ug/l   |          |
| 17) Carbon Disulfide        | 4.457          | 76   | 20708      | 2.103    | ug/l   | 96       |
| 19) Methyl tert-butyl Ether | 5.528          | 73   | 72020      | 4.758    | ug/l # | 88       |
| 22) Diisopropyl ether       | 6.398          | 45   | 8023       | 0.466    | ug/l # | 89       |
| 29) Tetrahydrofuran         | 7.610          | 42   | 2956       | 0.915    | ug/l # | 82       |
| 31) Cyclohexane             | 8.016          | 56   | 18612      | 2.266    | ug/l # | 65       |
| 39) Methylcyclohexane       | 9.398          | 83   | 6802       | 0.890    | ug/l # | 68       |
| 40) Benzene                 | 8.398          | 78   | 18420      | 0.927    | ug/l # | 87       |
| 52) Toluene                 | 10.445         | 92   | 3295       | 0.283    | ug/l   | 85       |
| 68) m/p-Xylenes             | 11.898         | 106  | 4952       | 0.535    | ug/l   | 92       |
| 73) Isopropylbenzene        | 12.521         | 105  | 25749      | 1.069    | ug/l   | 97       |
| 78) n-propylbenzene         | 12.862         | 91   | 23821      | 0.831    | ug/l   | 96       |
| 85) sec-Butylbenzene        | 13.439         | 105  | 11486      | 0.468    | ug/l # | 57       |
| -----                       |                |      |            |          |        |          |

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

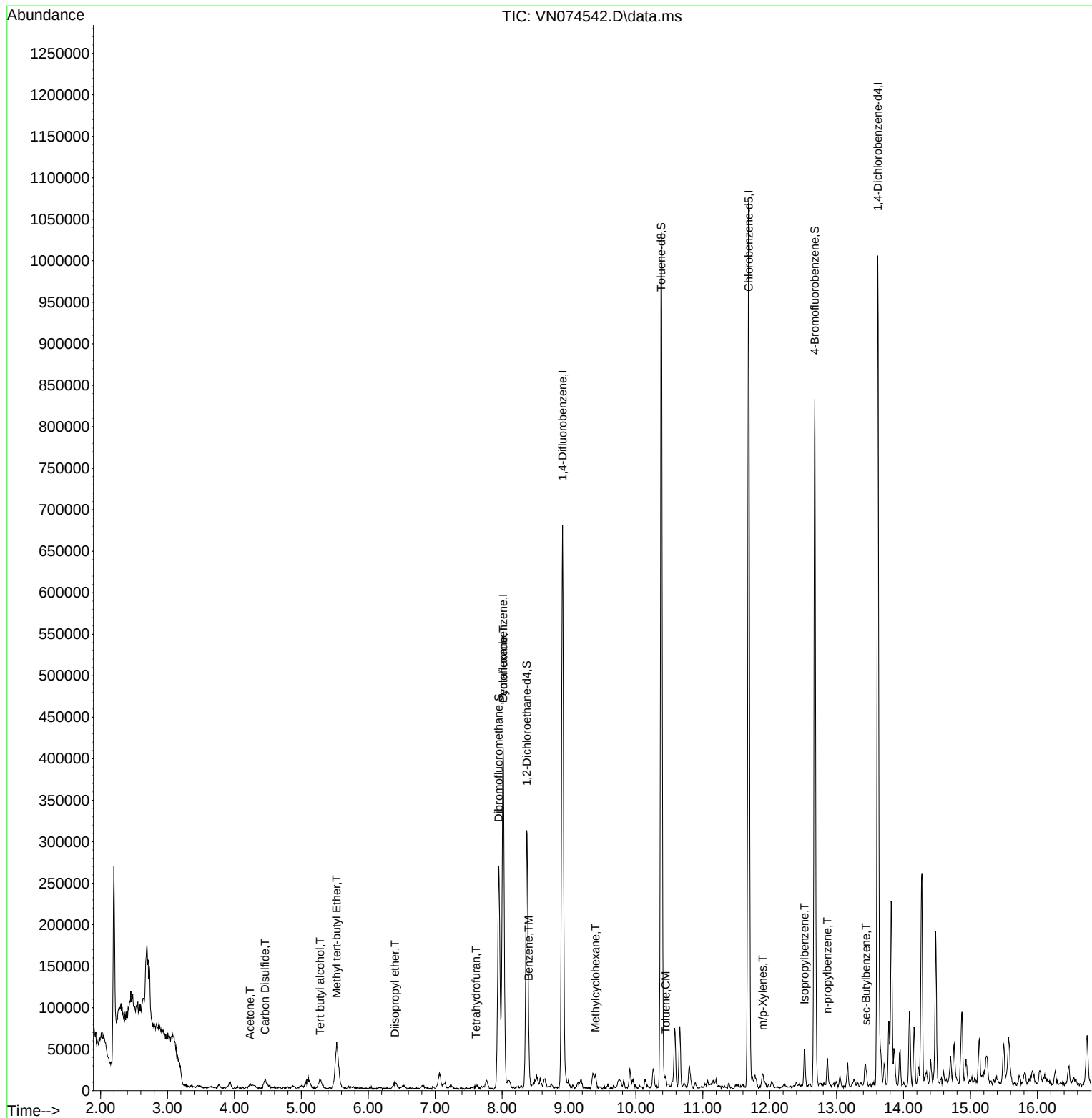
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091622\  
Data File : VN074542.D  
Acq On : 17 Sep 2022 04:57  
Operator : JC\MD  
Sample : N4549-14  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 48 Sample Multiplier: 1

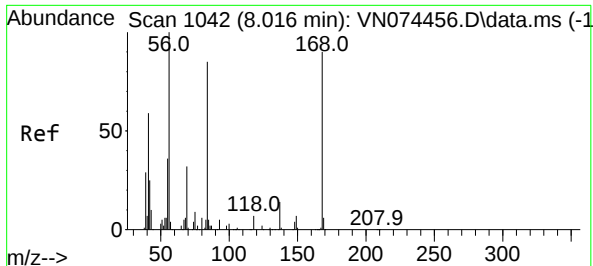
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-58

Manual Integrations  
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Supervised By :Mahesh Dadoda 09/19/2022

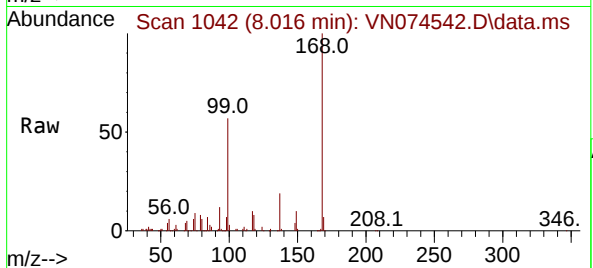
Quant Time: Sep 17 06:19:46 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091522W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 15 19:20:33 2022  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57

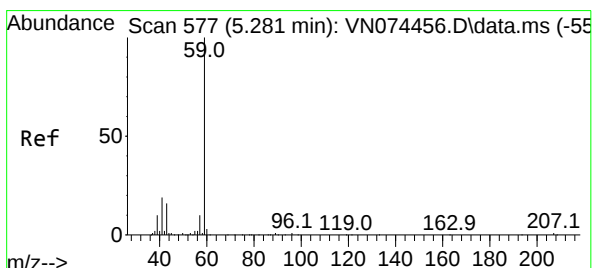
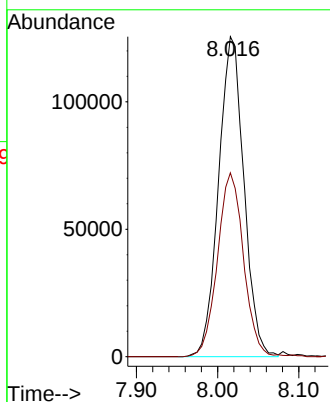
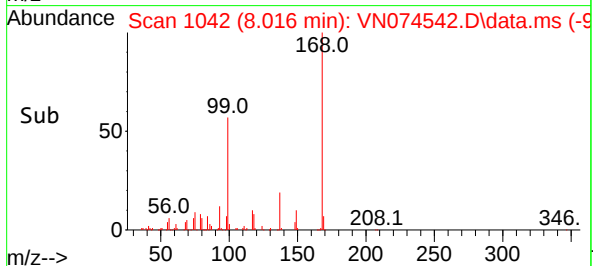
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-58



Tgt Ion:168 Resp: 27267  
Ion Ratio Lower Upper  
168 100  
99 57.5 42.3 63.5

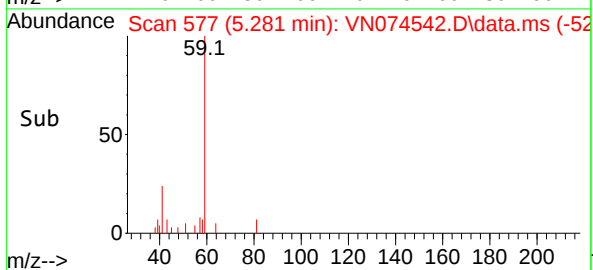
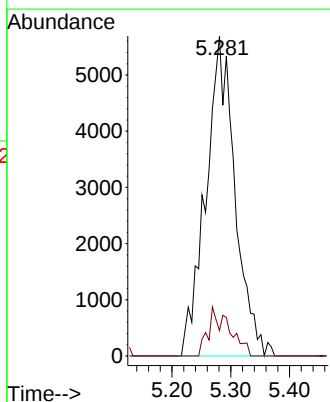
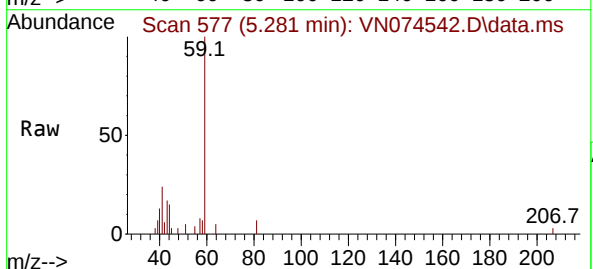
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APPROVED

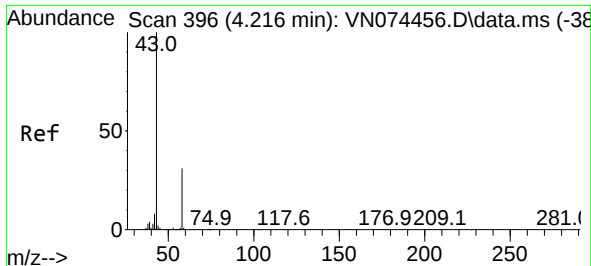
Reviewed By :John Carlone 09/17/2022  
Supervised By :Mahesh Dadoda 09/19/2022



#11  
Tert butyl alcohol  
Concen: 13.071 ug/l  
RT: 5.281 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57

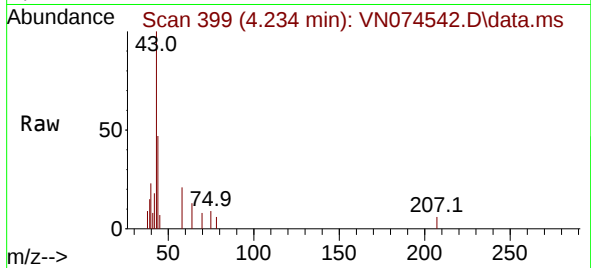
Tgt Ion: 59 Resp: 19699  
Ion Ratio Lower Upper  
59 100  
57 5.3 8.3 12.5#





#16  
Acetone  
Concen: 2.851 ug/l m  
RT: 4.234 min Scan# 396  
Delta R.T. 0.018 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57

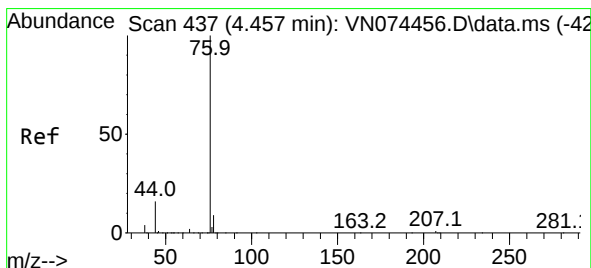
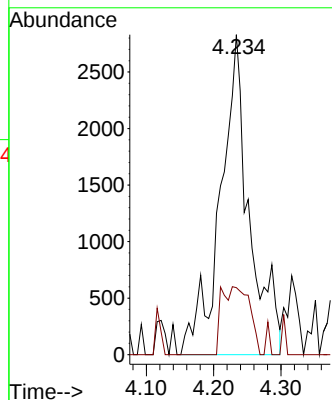
Instrument :  
MSVOA\_N  
Client SampleId :  
MW-58



Tgt Ion: 43 Resp: 8439  
Ion Ratio Lower Upper  
43 100  
58 21.0 26.0 39.0

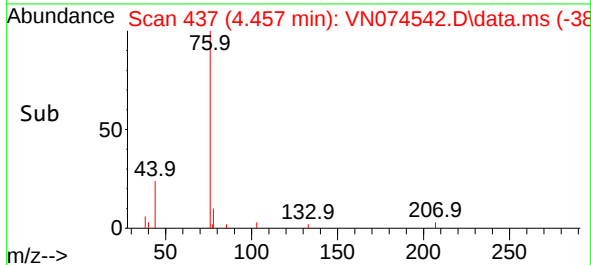
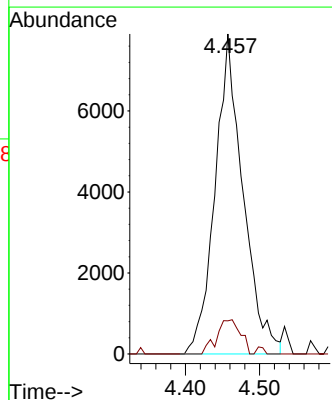
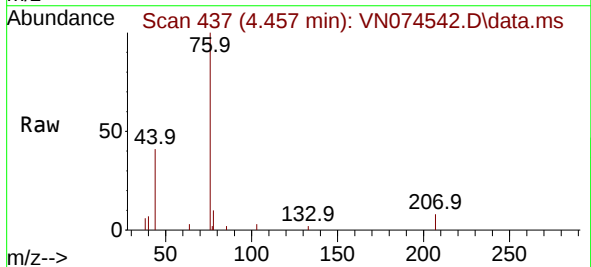
Manual Integrations  
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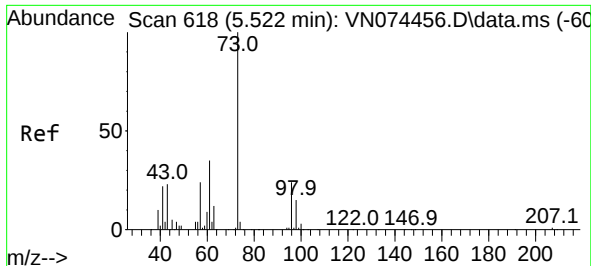
Reviewed By :John Carlone 09/17/2022  
Supervised By :Mahesh Dadoda 09/19/2022



#17  
Carbon Disulfide  
Concen: 2.103 ug/l  
RT: 4.457 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57

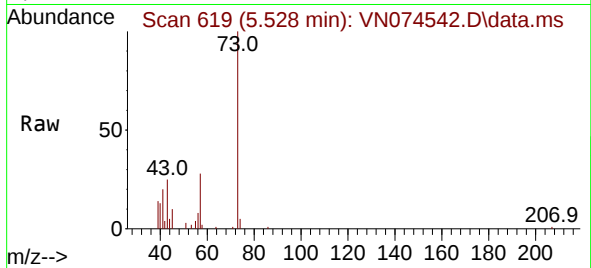
Tgt Ion: 76 Resp: 20708  
Ion Ratio Lower Upper  
76 100  
78 10.4 7.2 10.8





#19  
Methyl tert-butyl Ether  
Concen: 4.758 ug/l  
RT: 5.528 min Scan# 618  
Delta R.T. 0.006 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57

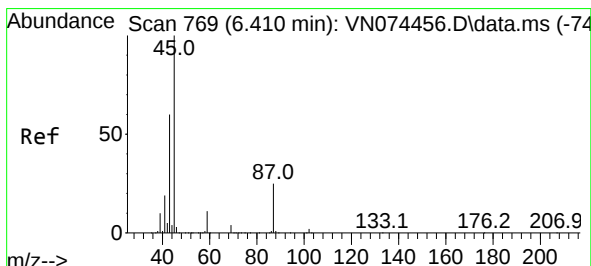
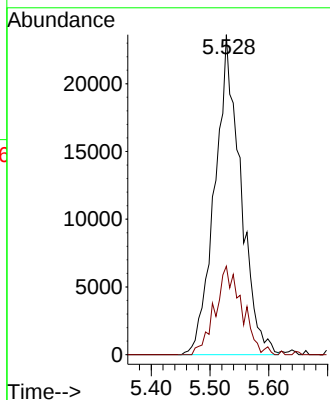
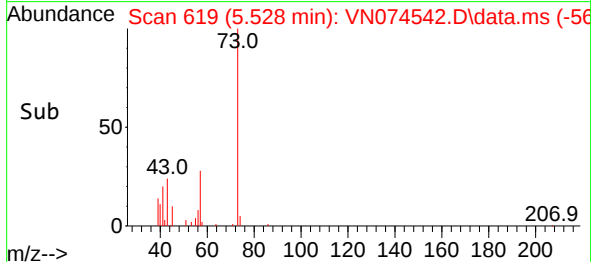
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-58



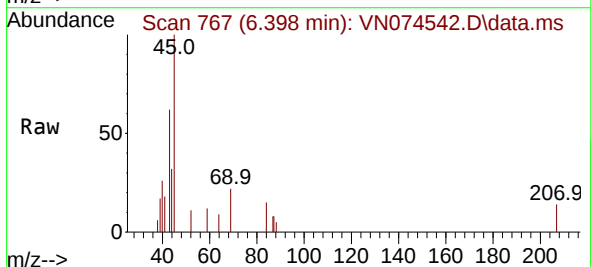
Tgt Ion: 73 Resp: 72020  
Ion Ratio Lower Upper  
73 100  
57 27.6 17.6 26.4

Manual Integrations  
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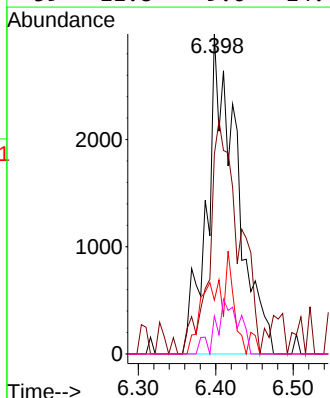
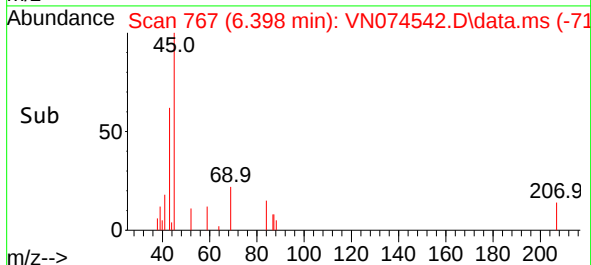
Reviewed By :John Carlone 09/17/2022  
Supervised By :Mahesh Dadoda 09/19/2022

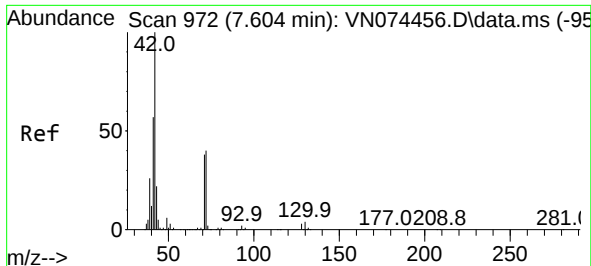


#22  
Diisopropyl ether  
Concen: 0.466 ug/l  
RT: 6.398 min Scan# 767  
Delta R.T. -0.012 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57



Tgt Ion: 45 Resp: 8023  
Ion Ratio Lower Upper  
45 100  
43 62.4 46.6 70.0  
87 16.8 24.3 36.5  
59 11.8 9.6 14.4





#29

Tetrahydrofuran

Concen: 0.915 ug/l

RT: 7.610 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074542.D

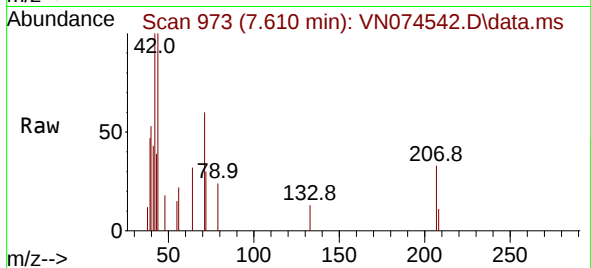
Acq: 17 Sep 2022 04:57

Instrument :

MSVOA\_N

ClientSampleId :

MW-58



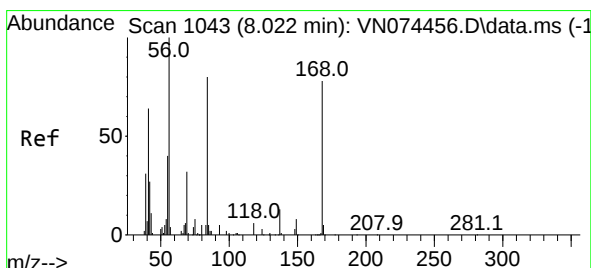
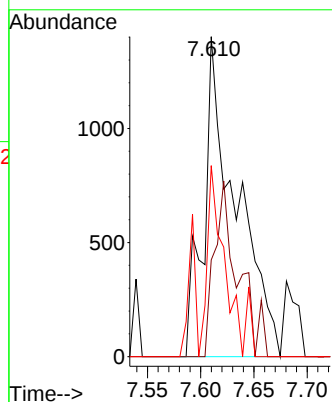
| Tgt Ion:  | 42   | Resp: | 2950  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 42        | 100  |       |       |
| 72        | 40.6 | 39.7  | 59.5  |
| 71        | 30.3 | 36.6  | 55.0  |

Manual Integrations

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Supervised By :Mahesh Dadoda 09/19/2022



#31

Cyclohexane

Concen: 2.266 ug/l

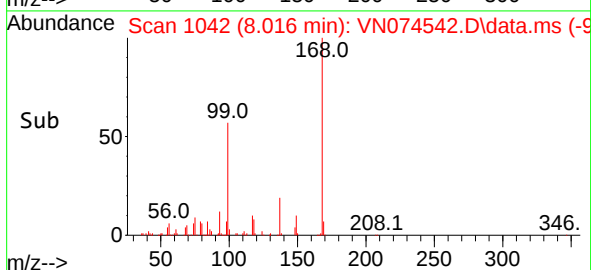
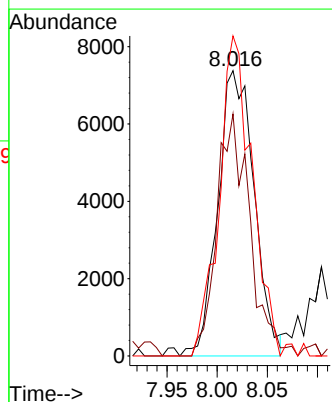
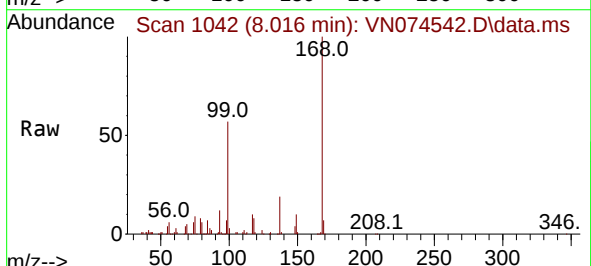
RT: 8.016 min Scan# 1042

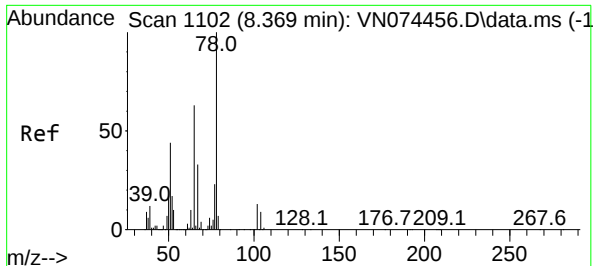
Delta R.T. -0.006 min

Lab File: VN074542.D

Acq: 17 Sep 2022 04:57

| Tgt Ion:  | 56    | Resp: | 18612 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 56        | 100   |       |       |
| 69        | 84.8  | 27.8  | 41.8  |
| 84        | 112.2 | 76.9  | 115.3 |





#33

1,2-Dichloroethane-d4

Concen: 49.120 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074542.D

Acq: 17 Sep 2022 04:57

Instrument :

MSVOA\_N

ClientSampleId :

MW-58

Tgt Ion: 65 Resp: 227250

Ion Ratio Lower Upper

65 100

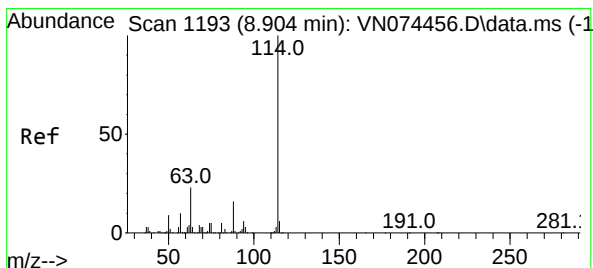
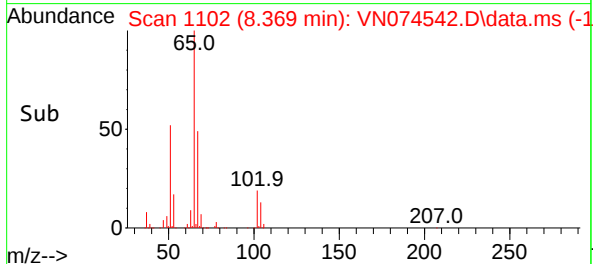
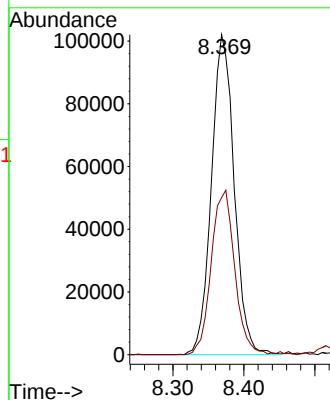
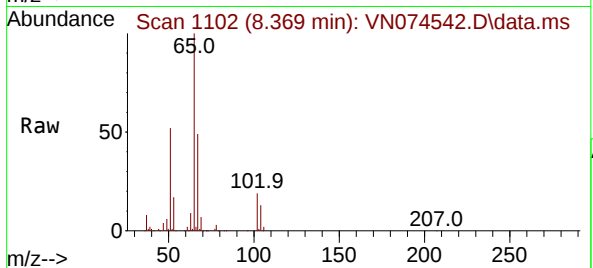
67 53.0 0.0 104.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074542.D

Acq: 17 Sep 2022 04:57

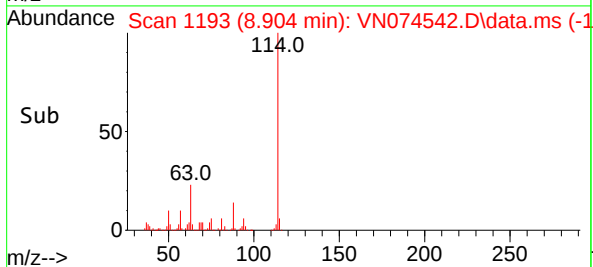
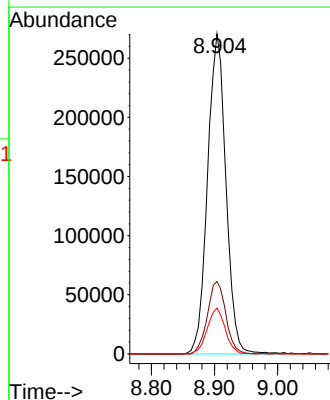
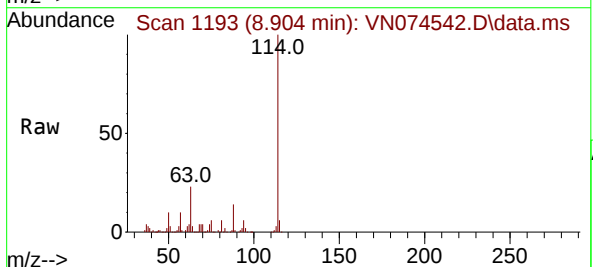
Tgt Ion:114 Resp: 546719

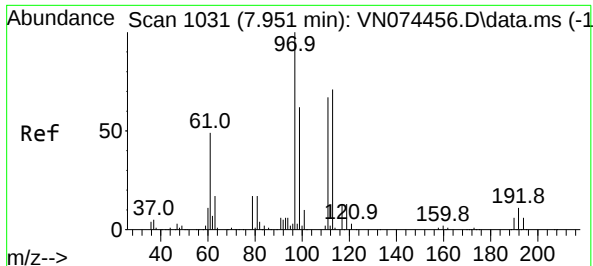
Ion Ratio Lower Upper

114 100

63 22.7 0.0 40.0

88 14.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.297 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074542.D

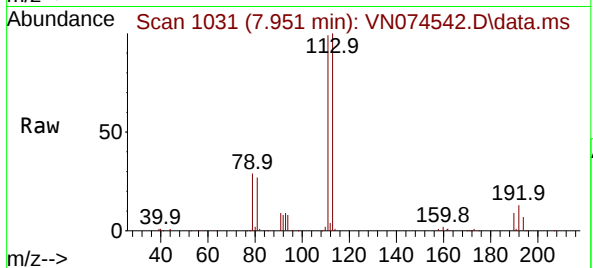
Acq: 17 Sep 2022 04:57

Instrument :

MSVOA\_N

ClientSampleId :

MW-58



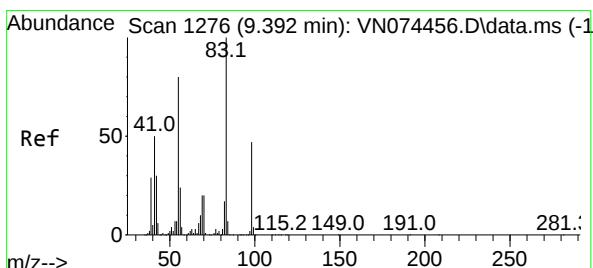
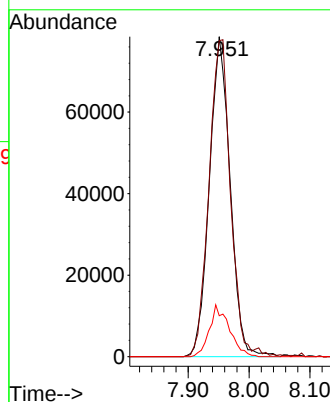
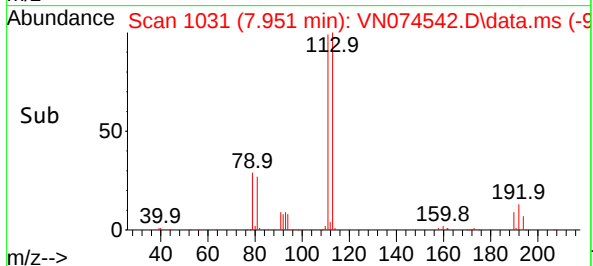
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 81.4  | 122.0 |
| 192     | 15.5  | 17.0  | 25.6  |

Manual Integrations

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Supervised By :Mahesh Dadoda 09/19/2022



#39

Methylcyclohexane

Concen: 0.890 ug/l

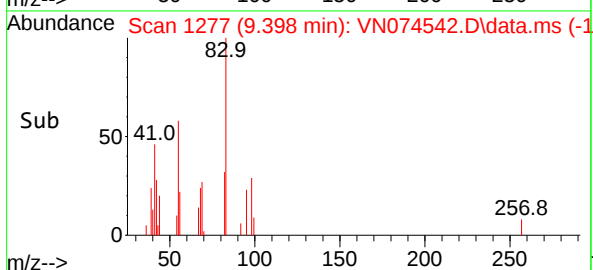
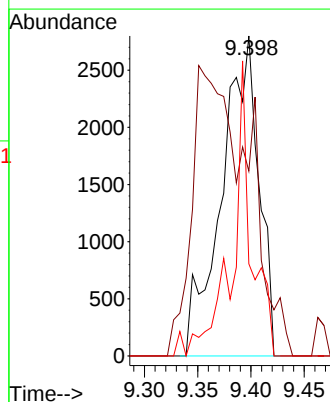
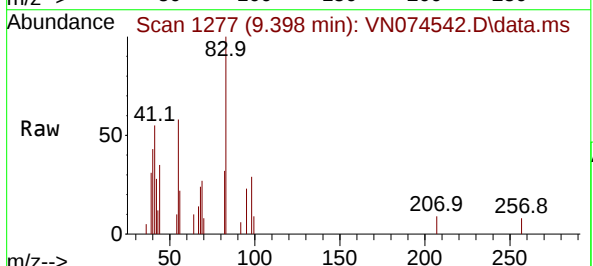
RT: 9.398 min Scan# 1277

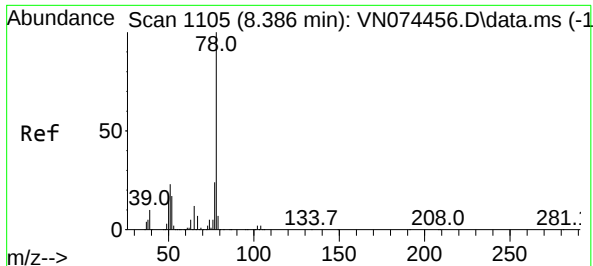
Delta R.T. 0.006 min

Lab File: VN074542.D

Acq: 17 Sep 2022 04:57

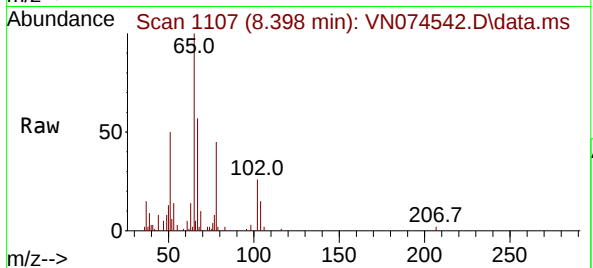
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 44.4  | 57.8  | 86.8# |
| 98      | 28.8  | 39.4  | 59.2# |





#40  
Benzene  
Concen: 0.927 ug/l  
RT: 8.398 min Scan# 1107  
Delta R.T. 0.012 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57

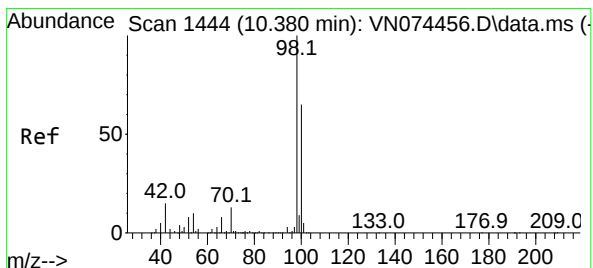
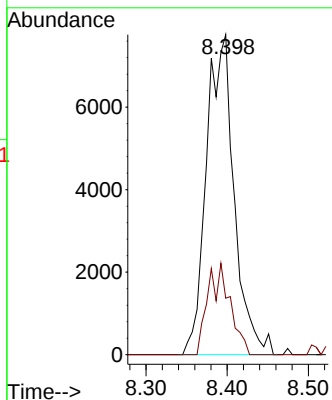
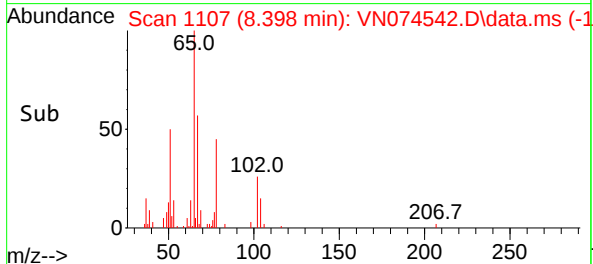
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-58



Tgt Ion: 78 Resp: 18420  
Ion Ratio Lower Upper  
78 100  
77 17.7 19.4 29.0

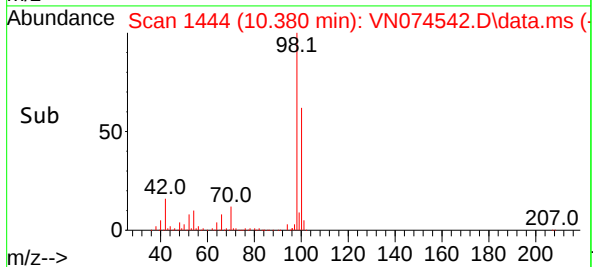
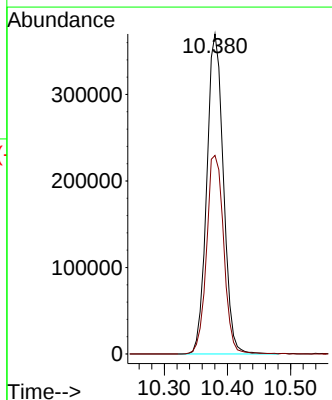
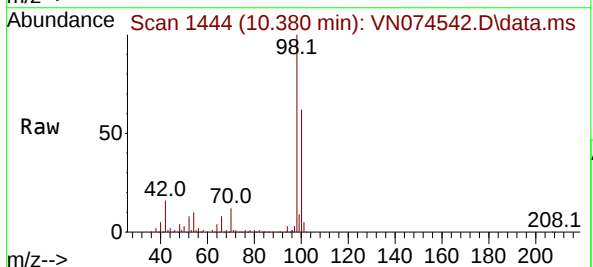
Manual Integrations  
APPROVED

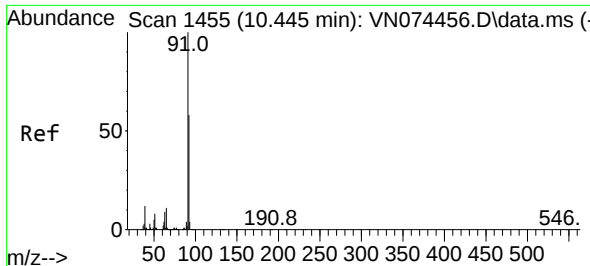
Reviewed By :John Carlone 09/17/2022  
Supervised By :Mahesh Dadoda 09/19/2022



#50  
Toluene-d8  
Concen: 48.098 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57

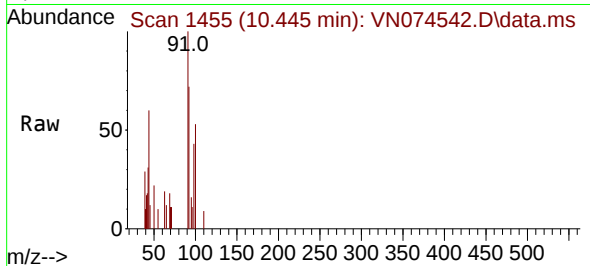
Tgt Ion: 98 Resp: 675551  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.6 78.8





#52  
Toluene  
Concen: 0.283 ug/l  
RT: 10.445 min Scan# 1455  
Delta R.T. -0.000 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57

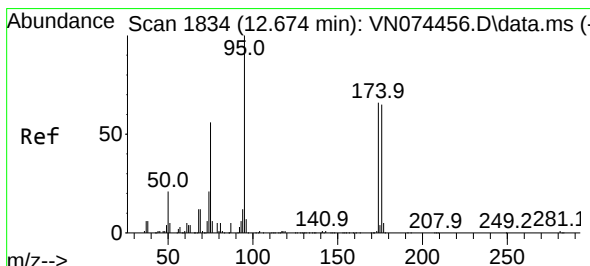
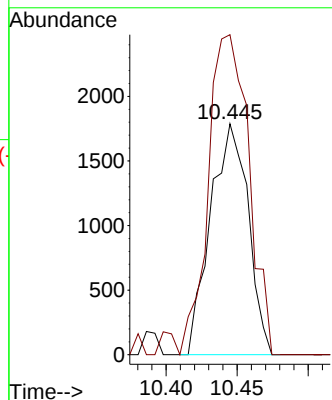
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-58



Tgt Ion: 92 Resp: 3298  
Ion Ratio Lower Upper  
92 100  
91 152.9 138.6 207.8

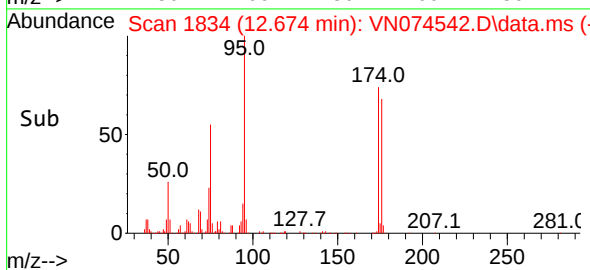
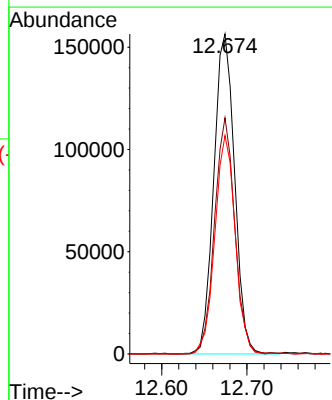
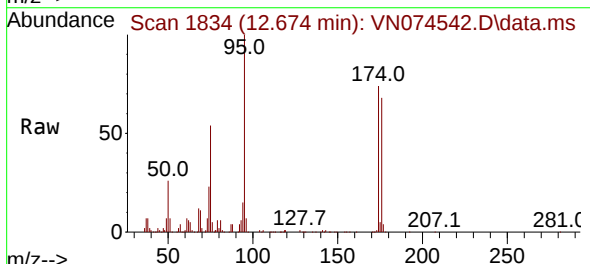
Manual Integrations  
APPROVED

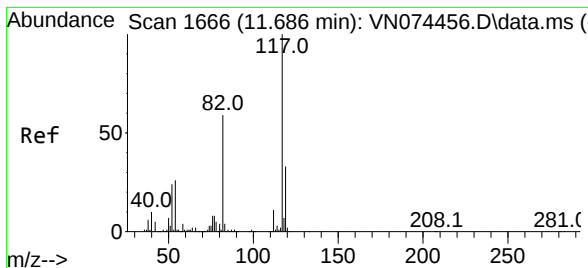
Reviewed By :John Carlone 09/17/2022  
Supervised By :Mahesh Dadoda 09/19/2022



#62  
4-Bromofluorobenzene  
Concen: 55.158 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57

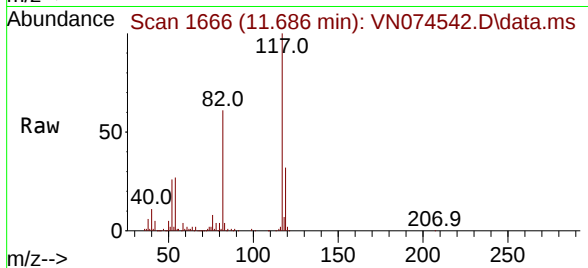
Tgt Ion: 95 Resp: 265338  
Ion Ratio Lower Upper  
95 100  
174 71.4 0.0 167.6  
176 66.9 0.0 163.4





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57

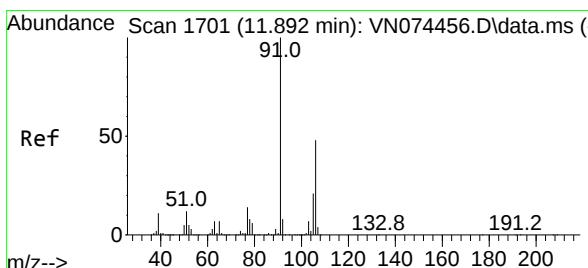
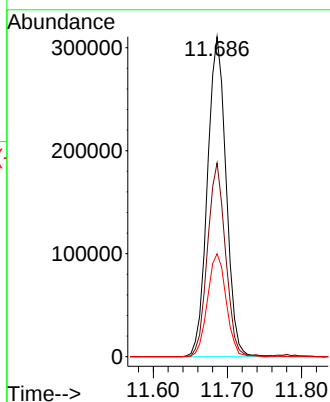
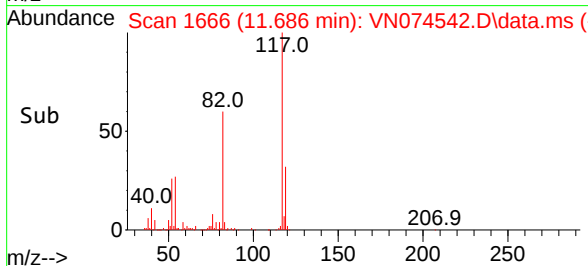
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-58



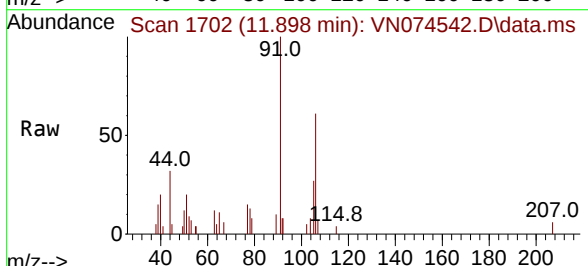
Tgt Ion:117 Resp: 54266  
Ion Ratio Lower Upper  
117 100  
82 60.5 44.2 66.2  
119 32.2 25.4 38.0

Manual Integrations  
APPROVED

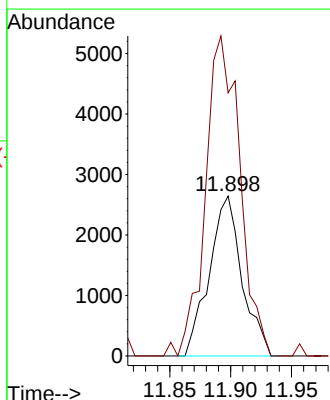
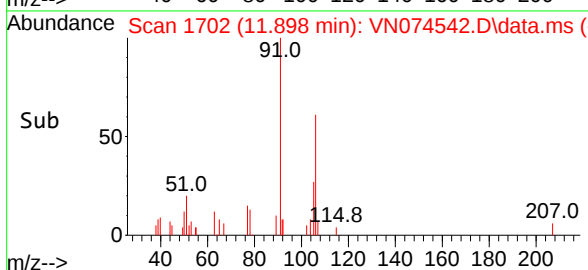
Reviewed By :John Carlone 09/17/2022  
Supervised By :Mahesh Dadoda 09/19/2022

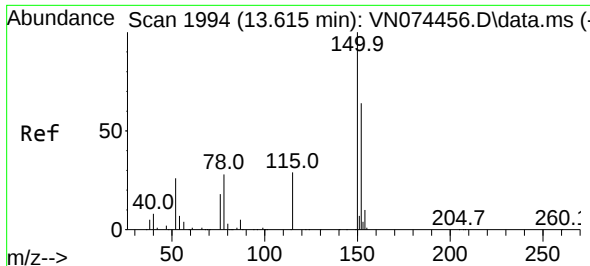


#68  
m/p-Xylenes  
Concen: 0.535 ug/l  
RT: 11.898 min Scan# 1702  
Delta R.T. 0.006 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57



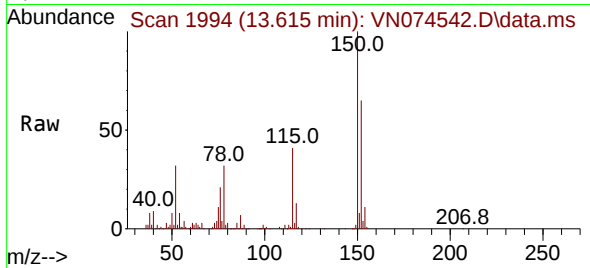
Tgt Ion:106 Resp: 4952  
Ion Ratio Lower Upper  
106 100  
91 210.7 158.9 238.3





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.615 min Scan# 1994  
Delta R.T. 0.000 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57

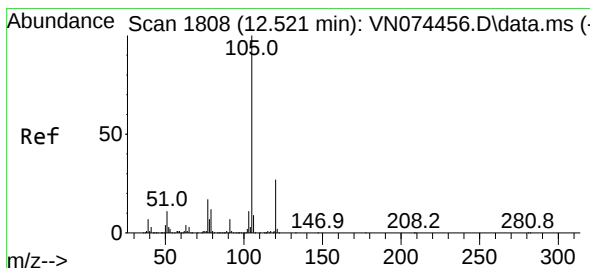
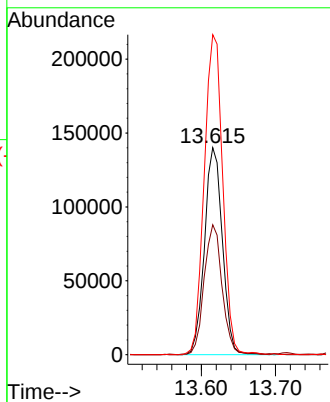
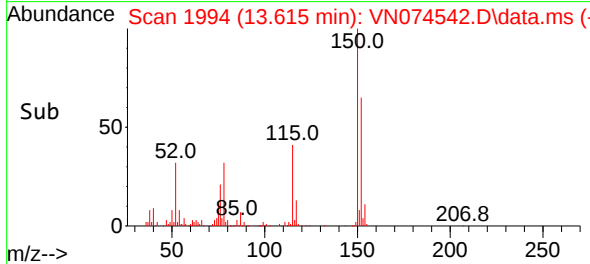
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-58



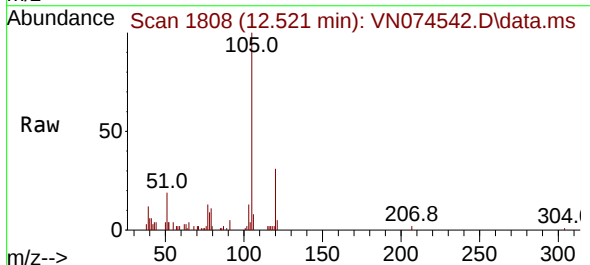
Tgt Ion:152 Resp: 235178  
Ion Ratio Lower Upper  
152 100  
115 63.1 28.9 86.7  
150 159.2 0.0 356.2

Manual Integrations  
APPROVED

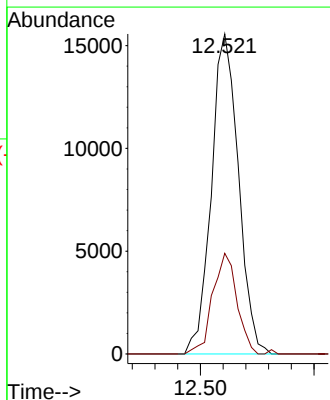
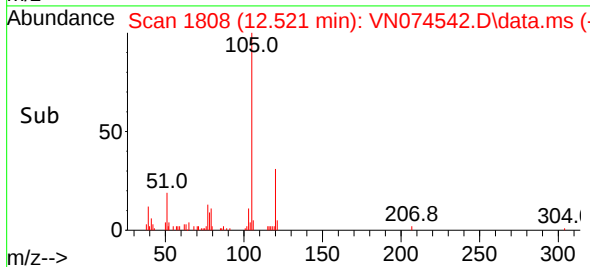
Reviewed By :John Carlone 09/17/2022  
Supervised By :Mahesh Dadoda 09/19/2022

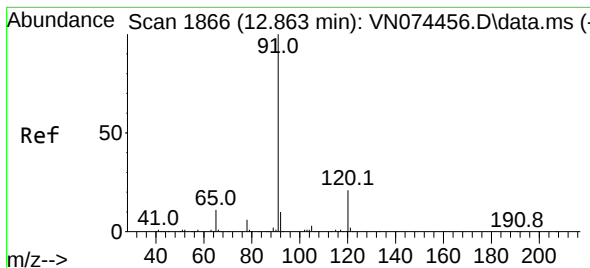


#73  
Isopropylbenzene  
Concen: 1.069 ug/l  
RT: 12.521 min Scan# 1808  
Delta R.T. 0.000 min  
Lab File: VN074542.D  
Acq: 17 Sep 2022 04:57



Tgt Ion:105 Resp: 25749  
Ion Ratio Lower Upper  
105 100  
120 28.2 13.5 40.4





#78

n-propylbenzene

Concen: 0.831 ug/l

RT: 12.862 min Scan# 1866

Delta R.T. -0.001 min

Lab File: VN074542.D

Acq: 17 Sep 2022 04:57

Instrument :

MSVOA\_N

ClientSampleId :

MW-58

Tgt Ion: 91 Resp: 2382

Ion Ratio Lower Upper

91 100

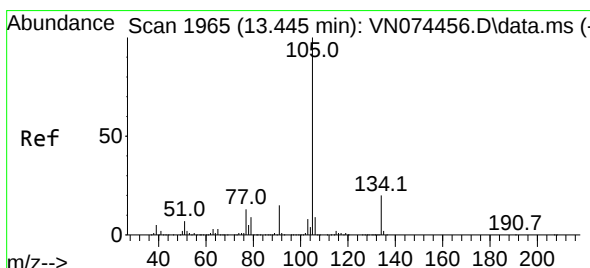
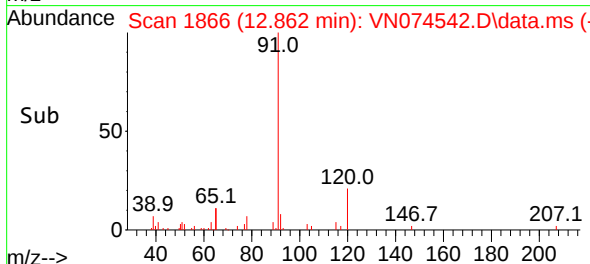
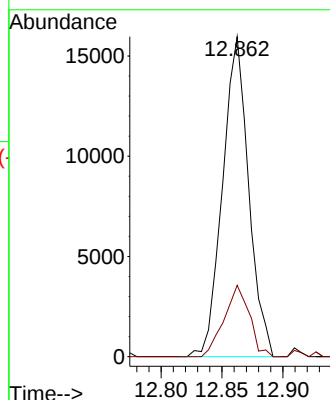
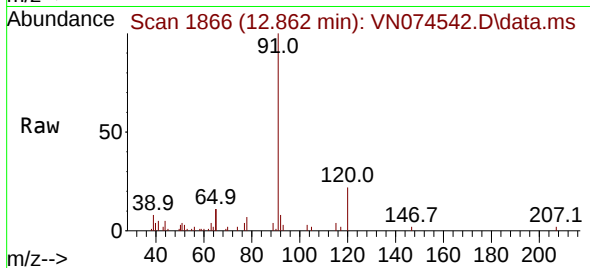
120 21.6 11.9 35.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2022

Supervised By :Mahesh Dadoda 09/19/2022



#85

sec-Butylbenzene

Concen: 0.468 ug/l

RT: 13.439 min Scan# 1964

Delta R.T. -0.006 min

Lab File: VN074542.D

Acq: 17 Sep 2022 04:57

Tgt Ion:105 Resp: 11486

Ion Ratio Lower Upper

105 100

134 40.8 10.4 31.1#

