

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041224\  
 Data File : VN081729.D  
 Acq On : 12 Apr 2024 19:43  
 Operator : JC\MD  
 Sample : P2076-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 240410075-02-VOA

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/15/2024  
 Supervised By : Mahesh Dadoda 04/15/2024

Quant Time: Apr 13 07:02:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|-----------|--------|----------|
| -----                       |                |      |            |           |        |          |
| Internal Standards          |                |      |            |           |        |          |
| 1) Pentafluorobenzene       | 8.230          | 168  | 137402     | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 246289     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871         | 117  | 521501     | 50.000    | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 221199     | 50.000    | ug/l   | 0.00     |
|                             |                |      |            |           |        |          |
| System Monitoring Compounds |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 76733      | 43.791    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 87.580%   |        |          |
| 35) Dibromofluoromethane    | 8.171          | 113  | 62669      | 40.319    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 80.640%   |        |          |
| 50) Toluene-d8              | 10.571         | 98   | 256086     | 45.577    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 91.160%   |        |          |
| 62) 4-Bromofluorobenzene    | 12.853         | 95   | 193854     | 97.915    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 64 - 133 |      | Recovery = | 195.820%# |        |          |
|                             |                |      |            |           |        |          |
| Target Compounds            |                |      |            |           |        |          |
| 8) Diethyl Ether            | 3.965          | 74   | 6759       | 6.629     | ug/l   | 84       |
| 11) Tert butyl alcohol      | 5.530          | 59   | 42091m     | 137.841   | ug/l   |          |
| 16) Acetone                 | 4.424          | 43   | 5245       | 9.262     | ug/l # | 80       |
| 29) Tetrahydrofuran         | 7.841          | 42   | 61670      | 94.250    | ug/l # | 78       |
| 65) Chlorobenzene           | 11.888         | 112  | 37584      | 3.049     | ug/l   | 96       |
| 68) m/p-Xylenes             | 12.070         | 106  | 22308      | 2.779     | ug/l   | 93       |
| 69) o-Xylene                | 12.406         | 106  | 16623      | 2.109     | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene  | 13.488         | 105  | 25724      | 1.643     | ug/l   | 92       |
| 88) 1,4-Dichlorobenzene     | 13.817         | 146  | 63379      | 7.153     | ug/l   | 98       |
| 95) Naphthalene             | 15.641         | 128  | 56068      | 3.633     | ug/l # | 94       |
| -----                       |                |      |            |           |        |          |

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

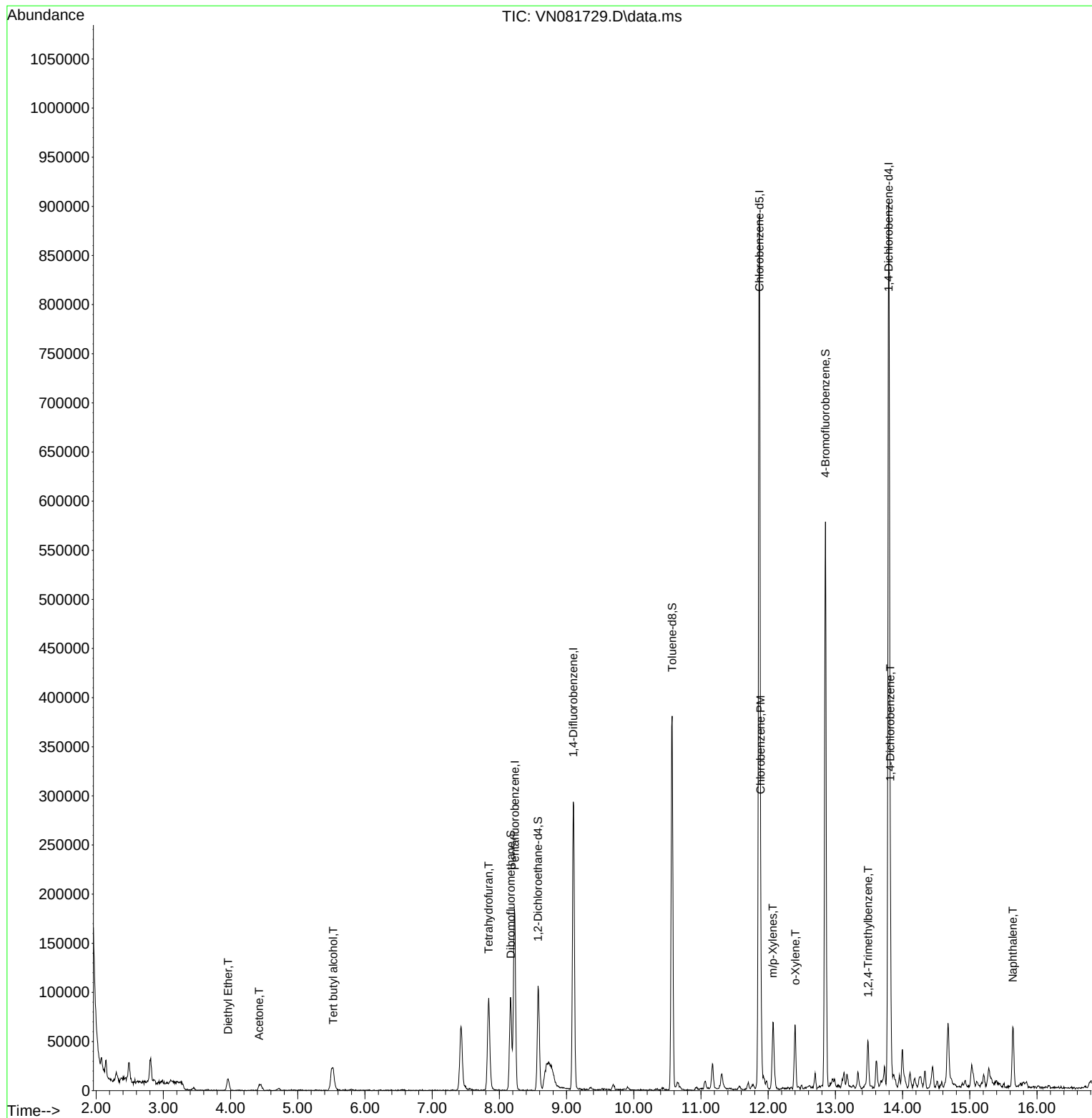
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041224\  
Data File : VN081729.D  
Acq On : 12 Apr 2024 19:43  
Operator : JC\MD  
Sample : P2076-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 25 Sample Multiplier: 1

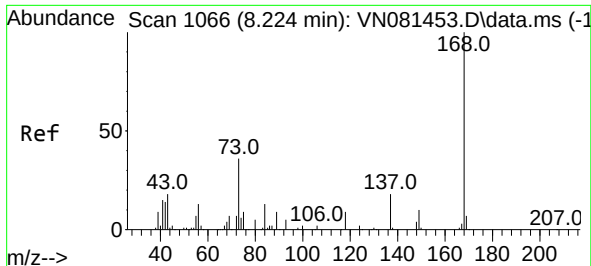
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410075-02-VOA

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APPROVED

Reviewed By : John Carlone 04/15/2024  
Supervised By : Mahesh Dadoda 04/15/2024

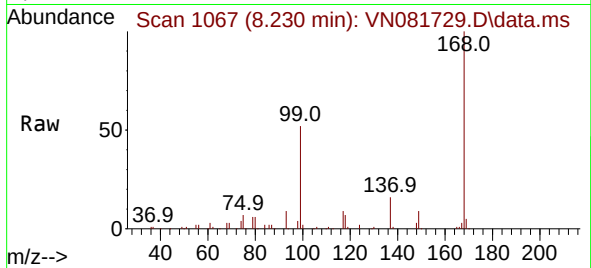
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 19 06:00:00 2024  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43

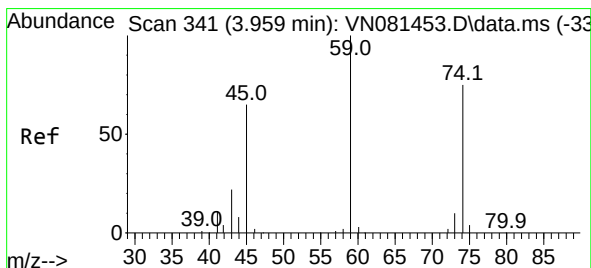
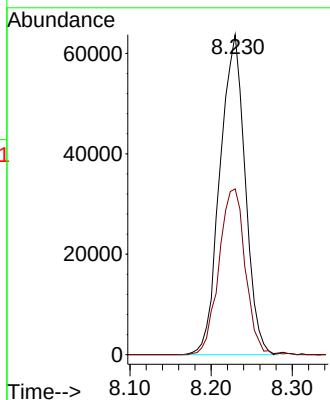
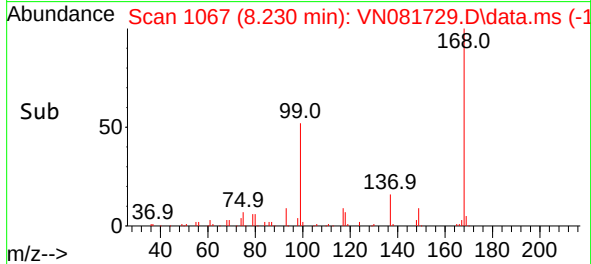
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410075-02-VOA



Tgt Ion:168 Resp: 137402  
Ion Ratio Lower Upper  
168 100  
99 51.8 59.9 89.9

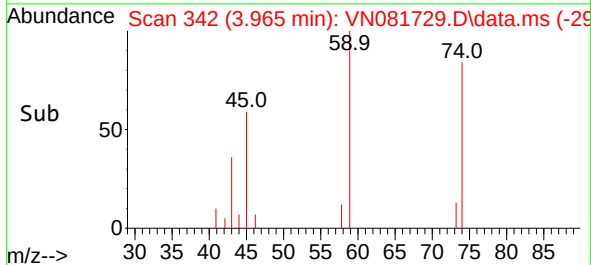
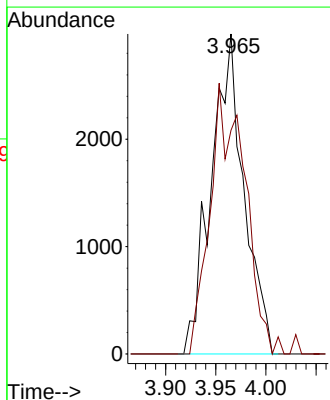
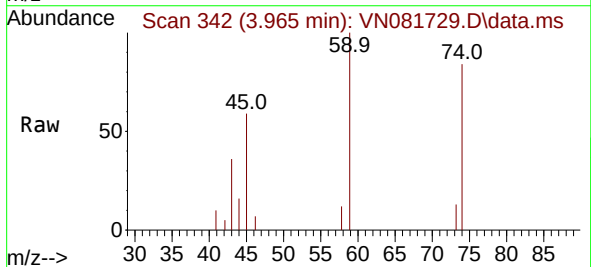
Manual Integrations  
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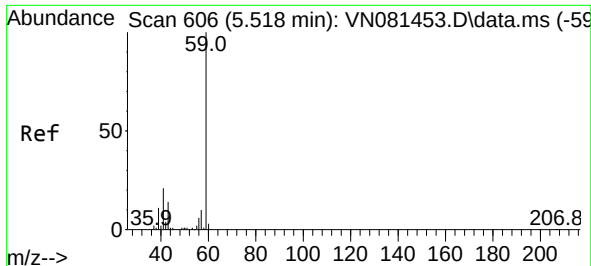
Reviewed By :John Carlone 04/15/2024  
Supervised By :Mahesh Dadoda 04/15/2024



#8  
Diethyl Ether  
Concen: 6.629 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. 0.006 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43

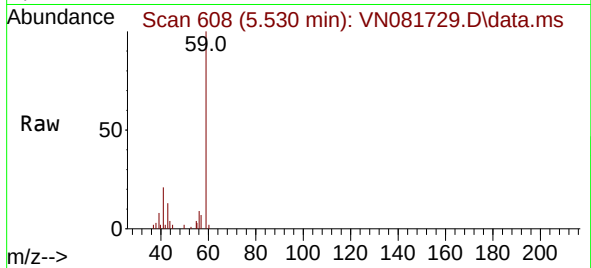
Tgt Ion: 74 Resp: 6759  
Ion Ratio Lower Upper  
74 100  
45 90.0 53.3 159.9





#11  
Tert butyl alcohol  
Concen: 137.841 ug/l m  
RT: 5.530 min Scan# 606  
Delta R.T. 0.012 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43

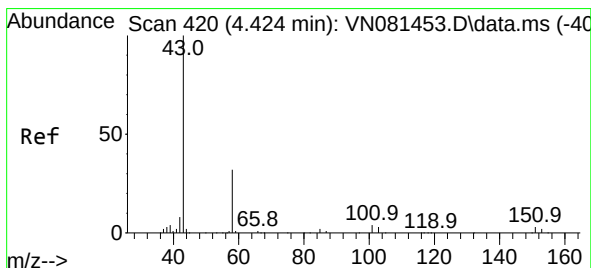
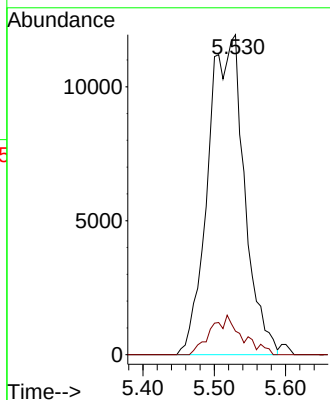
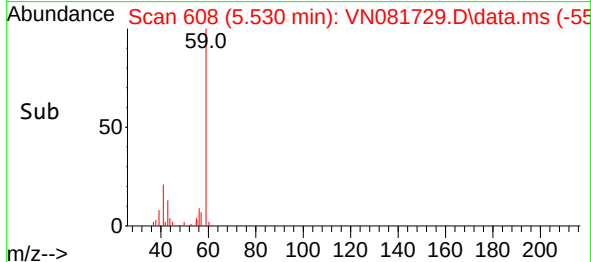
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410075-02-VOA



Tgt Ion: 59 Resp: 4209  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.6 12.8

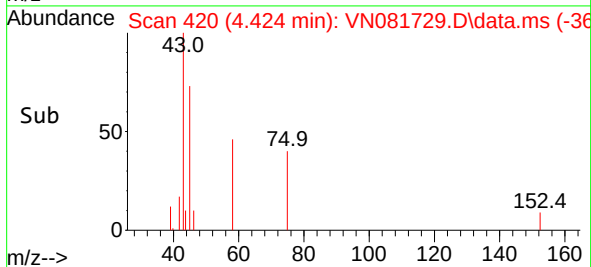
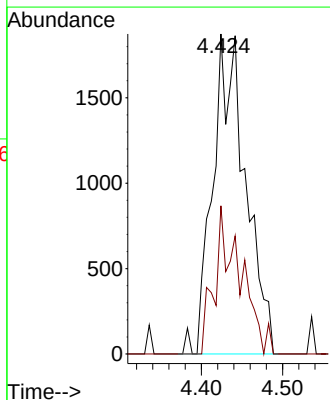
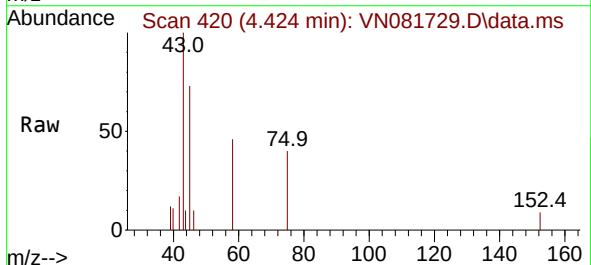
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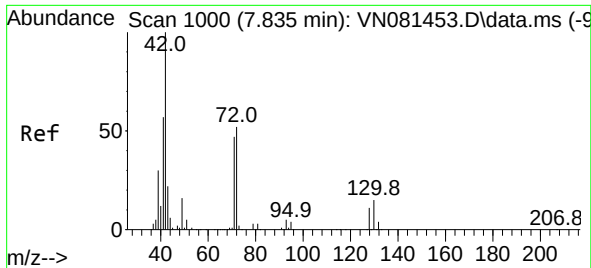
Reviewed By :John Carlone 04/15/2024  
Supervised By :Mahesh Dadoda 04/15/2024



#16  
Acetone  
Concen: 9.262 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.000 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43

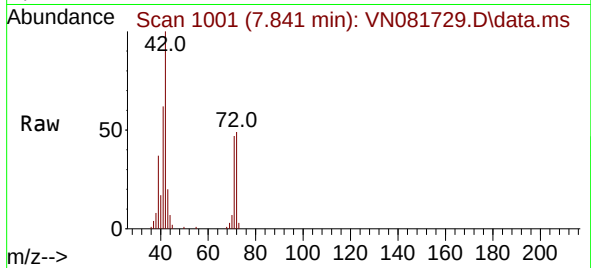
Tgt Ion: 43 Resp: 5245  
Ion Ratio Lower Upper  
43 100  
58 42.0 24.8 37.2#





#29  
Tetrahydrofuran  
Concen: 94.250 ug/l  
RT: 7.841 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43

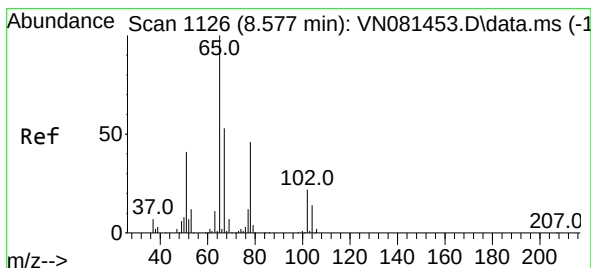
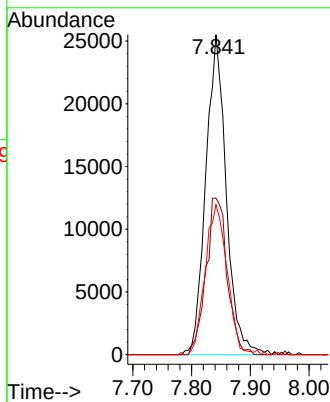
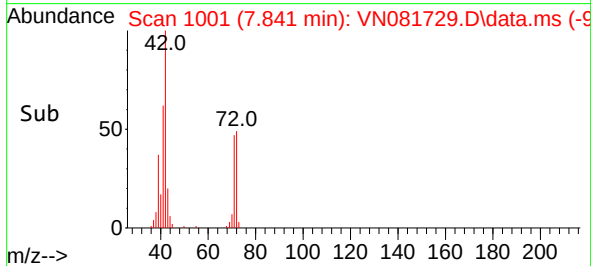
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410075-02-VOA



Tgt Ion: 42 Resp: 61670  
Ion Ratio Lower Upper  
42 100  
72 50.8 31.1 46.7  
71 50.4 28.3 42.5

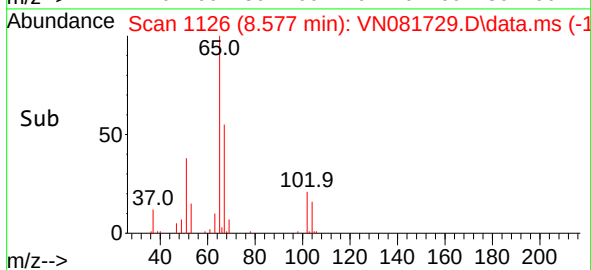
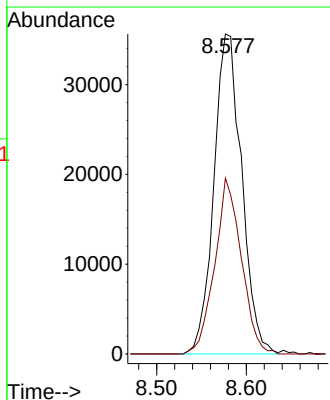
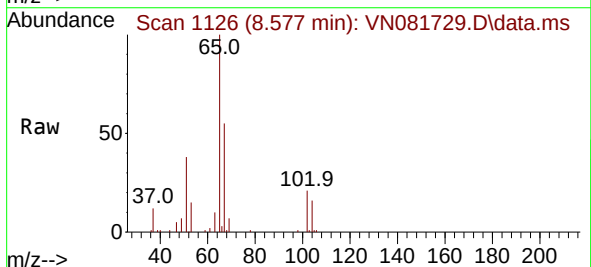
Manual Integrations  
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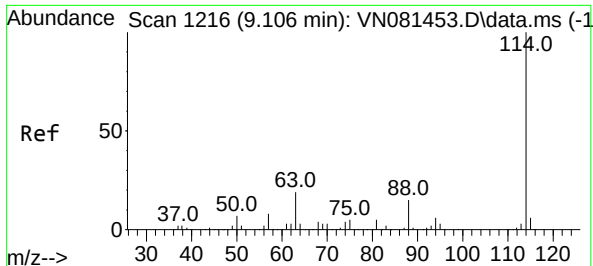
Reviewed By :John Carlone 04/15/2024  
Supervised By :Mahesh Dadoda 04/15/2024



#33  
1,2-Dichloroethane-d4  
Concen: 43.791 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43

Tgt Ion: 65 Resp: 76733  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081729.D

Acq: 12 Apr 2024 19:43

Instrument :

MSVOA\_N

ClientSampleId :

240410075-02-VOA

Tgt Ion:114 Resp: 246289

Ion Ratio Lower Upper

114 100

63 18.0 0.0 48.0

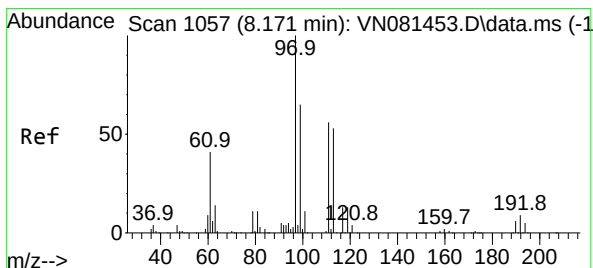
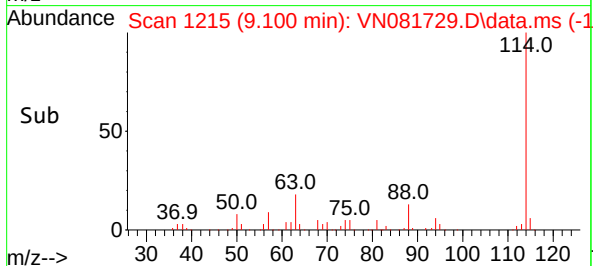
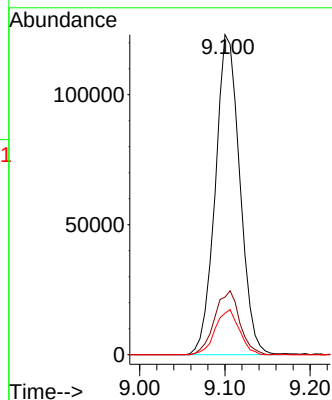
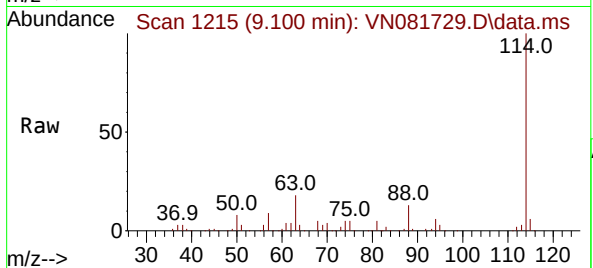
88 13.0 0.0 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/15/2024

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#35

Dibromofluoromethane

Concen: 40.319 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN081729.D

Acq: 12 Apr 2024 19:43

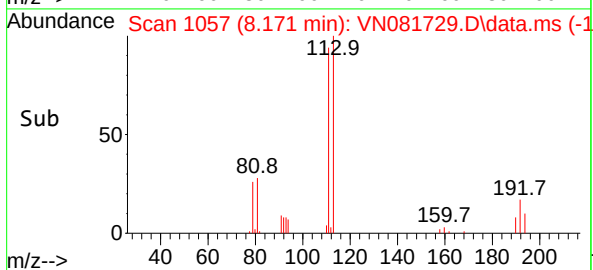
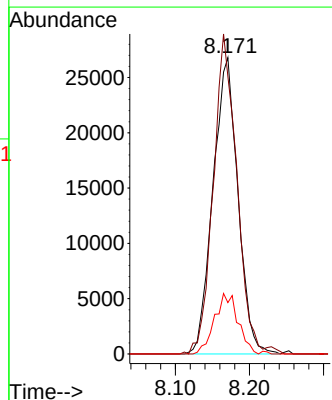
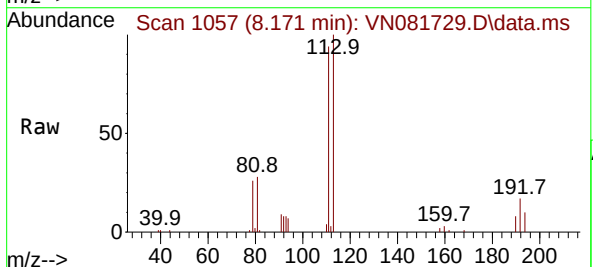
Tgt Ion:113 Resp: 62669

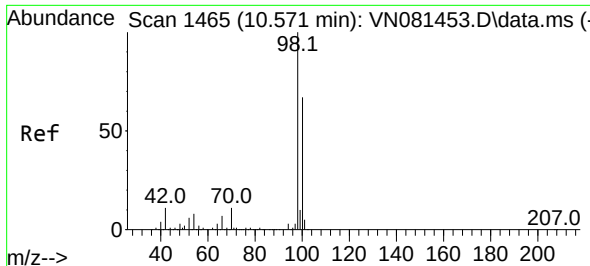
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

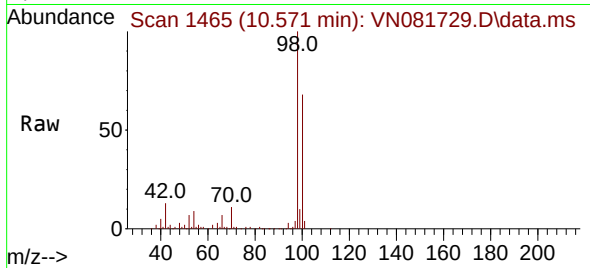
192 19.2 12.5 18.7#





#50  
Toluene-d8  
Concen: 45.577 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43

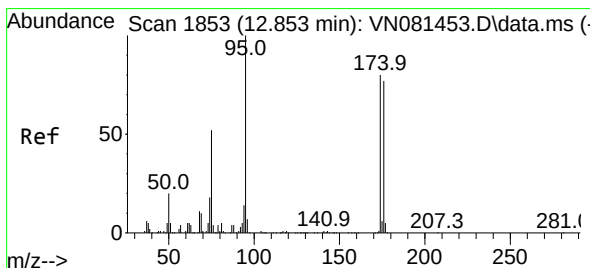
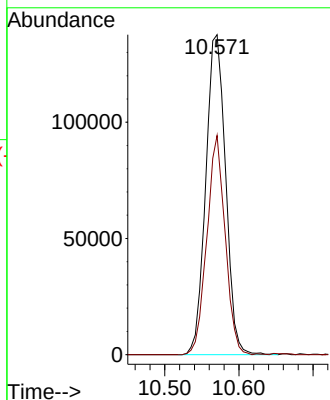
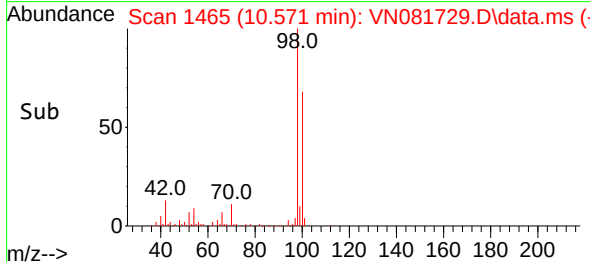
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410075-02-VOA



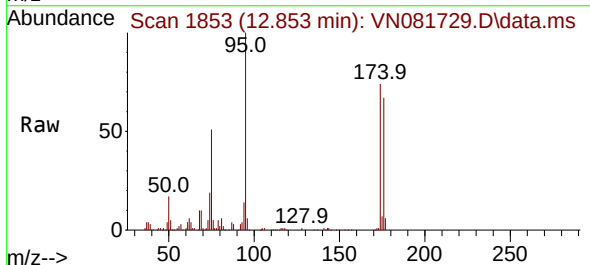
Tgt Ion: 98 Resp: 256080  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.4 77.0

Manual Integrations  
APPROVED

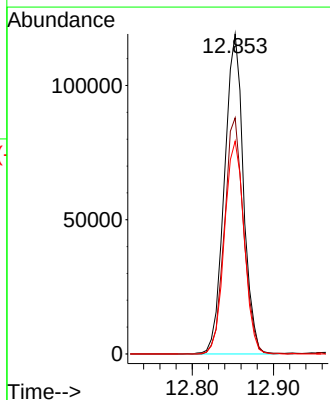
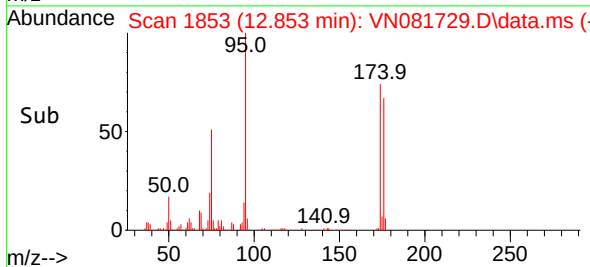
Reviewed By :John Carlone 04/15/2024  
Supervised By :Mahesh Dadoda 04/15/2024

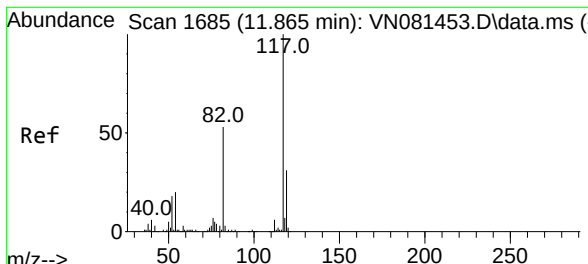


#62  
4-Bromofluorobenzene  
Concen: 97.915 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43



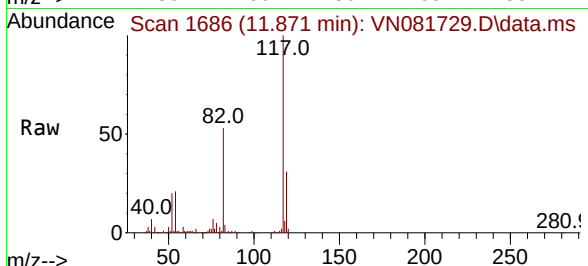
Tgt Ion: 95 Resp: 193854  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 120.4  
176 68.9 0.0 121.0





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43

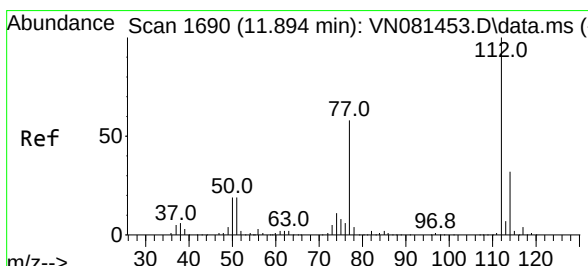
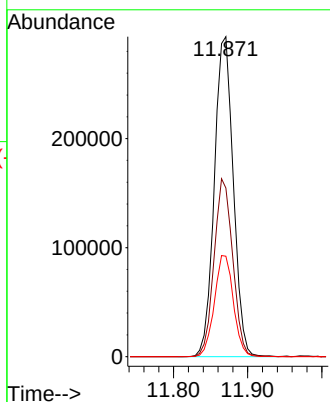
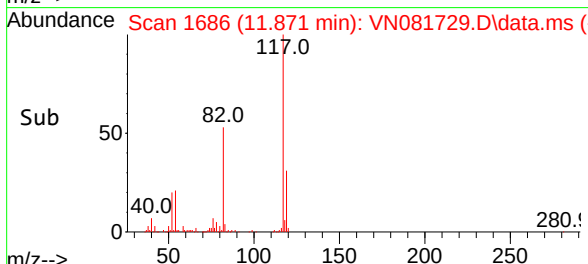
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410075-02-VOA



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.7  | 52.7  | 79.1  |
| 119     | 31.4  | 25.3  | 37.9  |

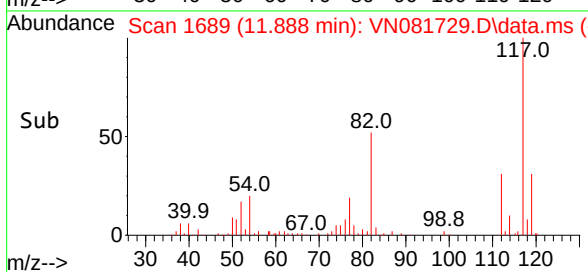
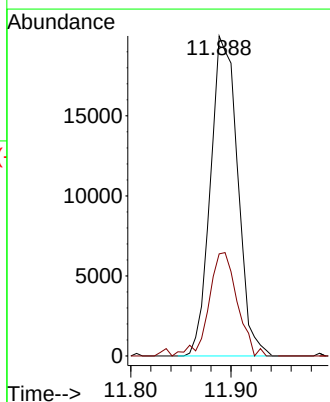
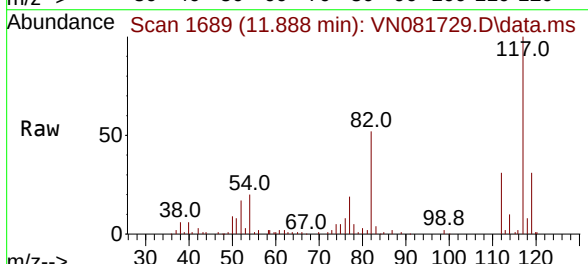
Manual Integrations  
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Supervised By :Mahesh Dadoda 04/15/2024

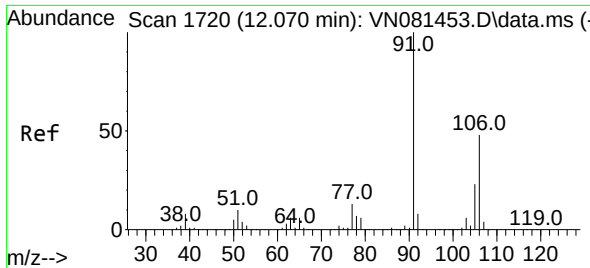


#65  
Chlorobenzene  
Concen: 3.049 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. -0.006 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.9  | 23.7  | 35.5  |

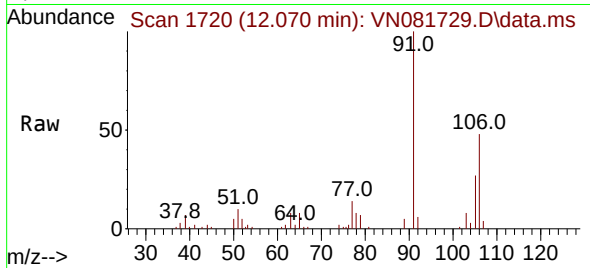






#68  
m/p-Xylenes  
Concen: 2.779 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43

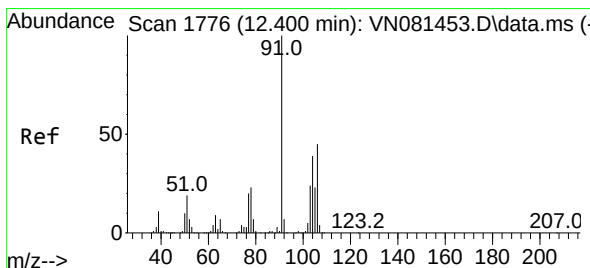
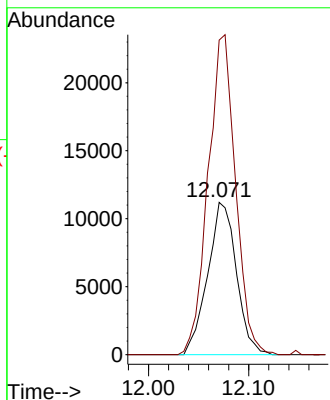
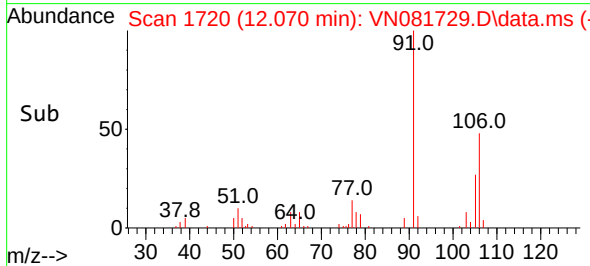
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410075-02-VOA



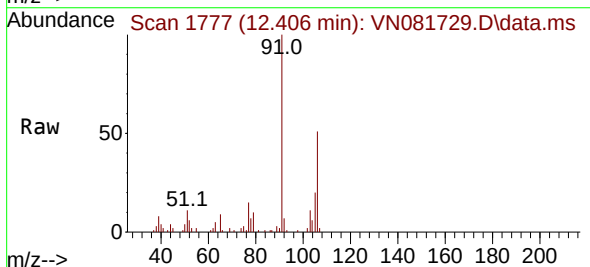
Tgt Ion:106 Resp: 22308  
Ion Ratio Lower Upper  
106 100  
91 200.8 169.0 253.6

Manual Integrations  
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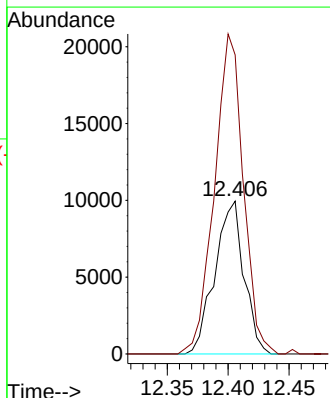
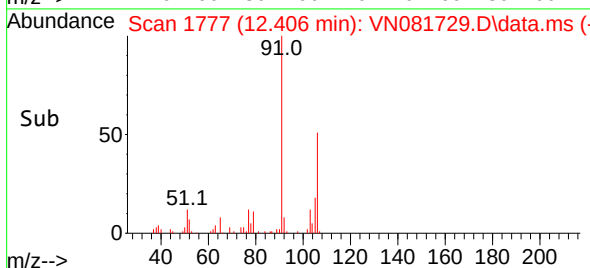
Reviewed By :John Carlone 04/15/2024  
Supervised By :Mahesh Dadoda 04/15/2024

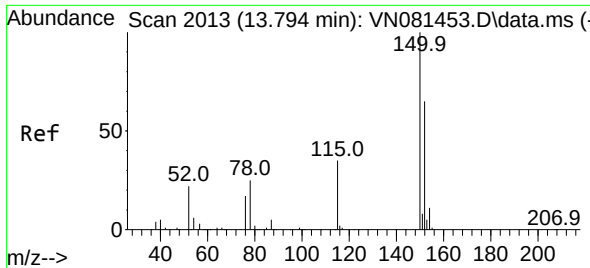


#69  
o-Xylene  
Concen: 2.109 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. 0.006 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43



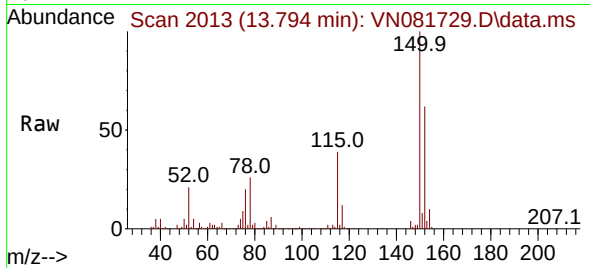
Tgt Ion:106 Resp: 16623  
Ion Ratio Lower Upper  
106 100  
91 206.8 112.1 336.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. 0.000 min  
 Lab File: VN081729.D  
 Acq: 12 Apr 2024 19:43

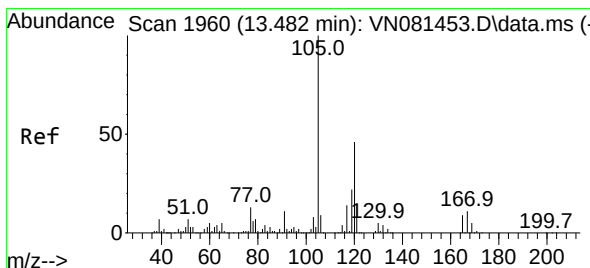
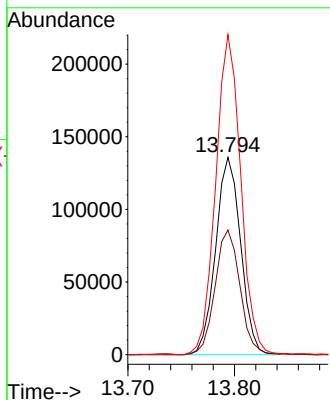
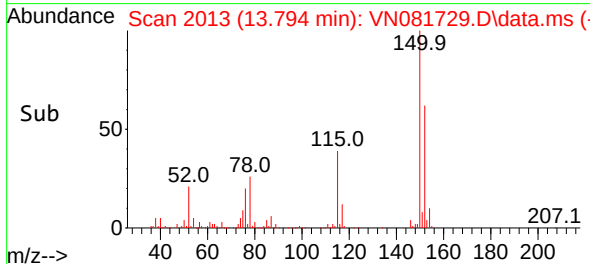
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 240410075-02-VOA



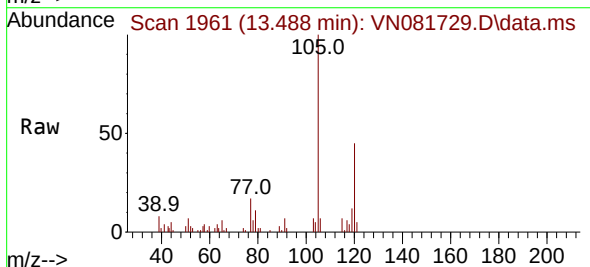
Tgt Ion:152 Resp: 221199  
 Ion Ratio Lower Upper  
 152 100  
 115 63.2 32.3 96.8  
 150 162.6 0.0 339.8

Manual Integrations  
 APPROVED

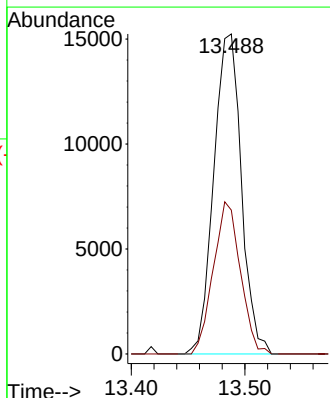
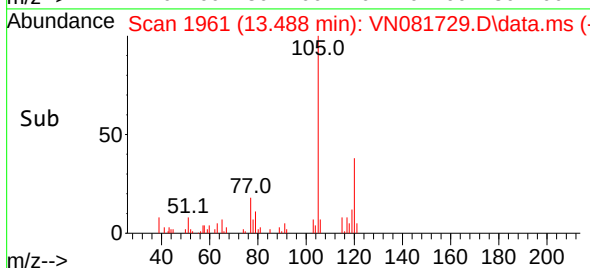
Reviewed By :John Carlone 04/15/2024  
 Supervised By :Mahesh Dadoda 04/15/2024

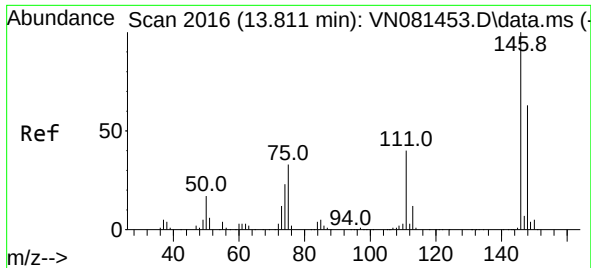


#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.643 ug/l  
 RT: 13.488 min Scan# 1961  
 Delta R.T. 0.006 min  
 Lab File: VN081729.D  
 Acq: 12 Apr 2024 19:43



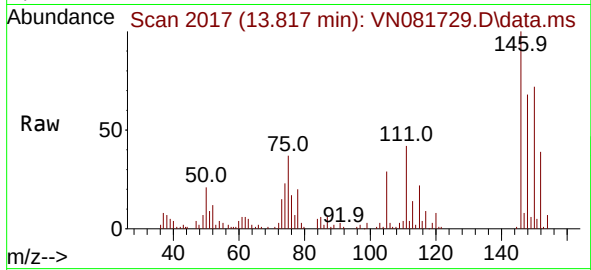
Tgt Ion:105 Resp: 25724  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 20.9 62.7





#88  
1,4-Dichlorobenzene  
Concen: 7.153 ug/l  
RT: 13.817 min Scan# 2016  
Delta R.T. 0.006 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43

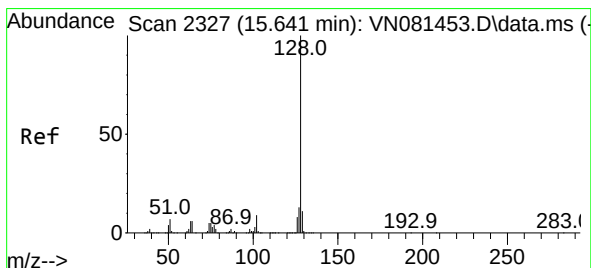
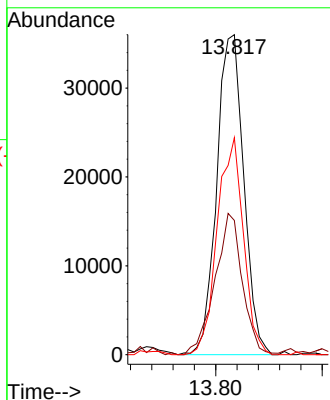
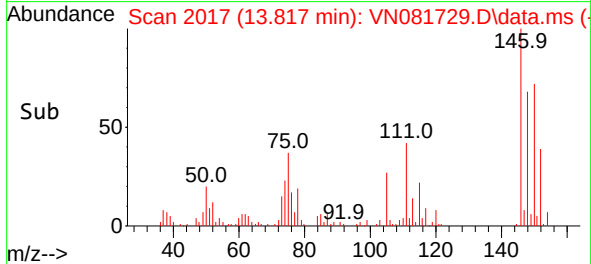
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410075-02-VOA



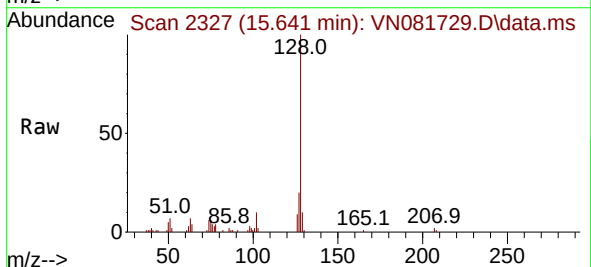
Tgt Ion:146 Resp: 63379  
Ion Ratio Lower Upper  
146 100  
111 44.9 22.6 67.7  
148 65.8 31.9 95.5

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/15/2024  
Supervised By :Mahesh Dadoda 04/15/2024



#95  
Naphthalene  
Concen: 3.633 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. 0.000 min  
Lab File: VN081729.D  
Acq: 12 Apr 2024 19:43



Tgt Ion:128 Resp: 56068  
Ion Ratio Lower Upper  
128 100  
127 16.6 10.0 15.0#  
129 11.6 8.7 13.1

