

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061724\  
 Data File : VN082615.D  
 Acq On : 17 Jun 2024 17:48  
 Operator : JC\MD  
 Sample : PB161507ZHE#02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB161507ZHE#02

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/18/2024  
 Supervised By : Mahesh Dadoda 06/18/2024

Quant Time: Jun 18 05:01:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061724W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 18 04:52:44 2024  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 8.230          | 168  | 125706              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 237023              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871         | 117  | 242722              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 97395               | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583          | 65   | 113939              | 56.521  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 113.040% |         |        |          |
| 35) Dibromofluoromethane    | 8.171          | 113  | 84398               | 52.488  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 104.980% |         |        |          |
| 50) Toluene-d8              | 10.571         | 98   | 316866              | 52.111  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 104.220% |         |        |          |
| 62) 4-Bromofluorobenzene    | 12.853         | 95   | 104583              | 49.887  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 64 - 133 |      | Recovery = 99.780%  |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         | Qvalue |          |
| 16) Acetone                 | 4.430          | 43   | 95710               | 104.397 | ug/l   | 93       |
| 20) Methylene Chloride      | 5.289          | 84   | 9728                | 6.035   | ug/l   | 89       |
| 25) 2-Butanone              | 7.494          | 43   | 24018               | 18.431  | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.694          | 43   | 272590              | 47.638  | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone    | 10.453         | 43   | 22116m              | 7.535   | ug/l   |          |
| -----                       |                |      |                     |         |        |          |

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

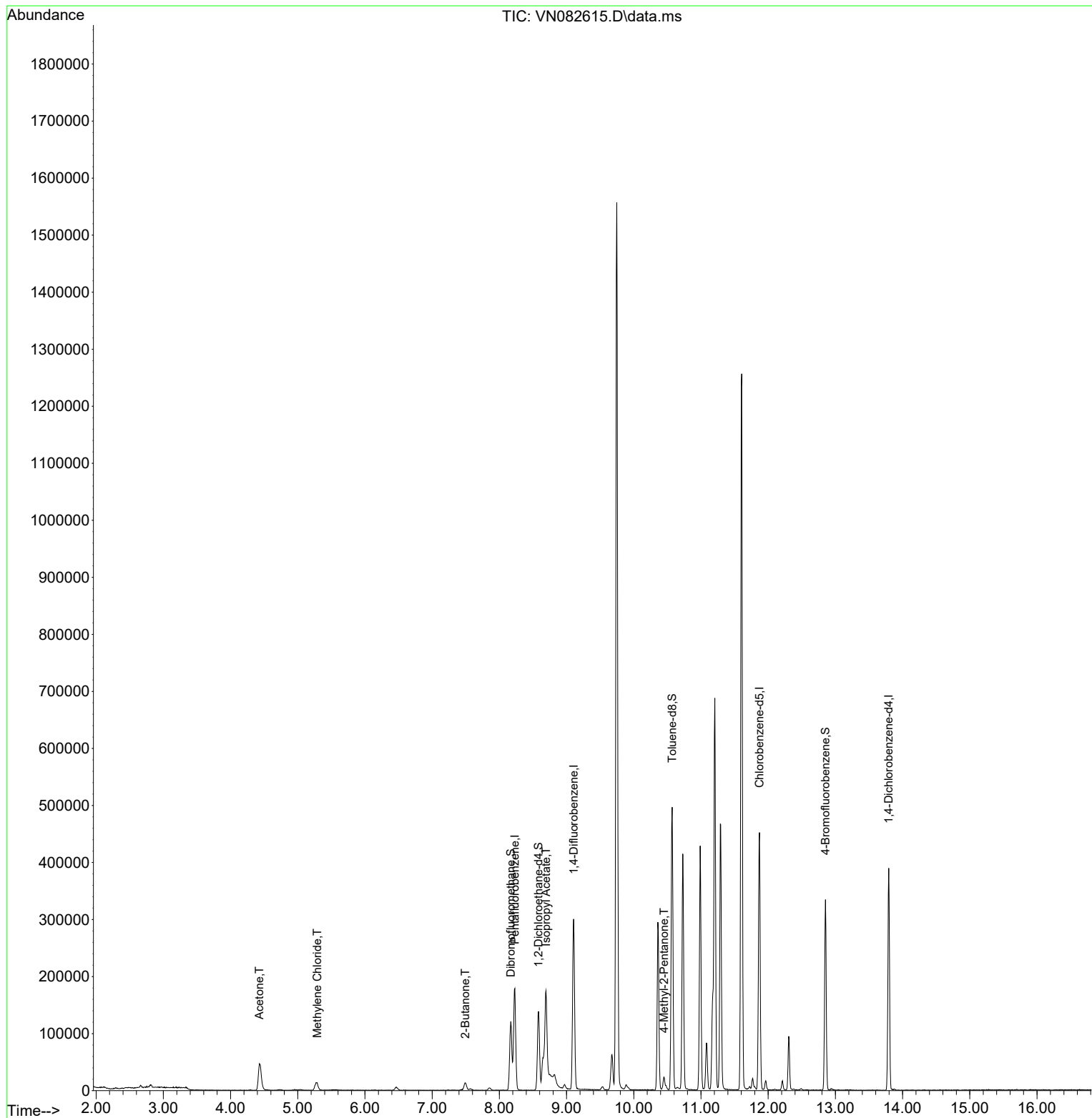
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061724\  
Data File : VN082615.D  
Acq On : 17 Jun 2024 17:48  
Operator : JC\MD  
Sample : PB161507ZHE#02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 21 Sample Multiplier: 1

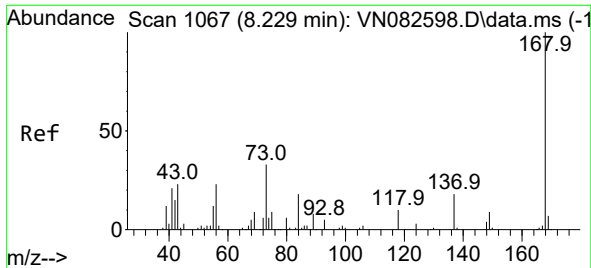
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161507ZHE#02

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/18/2024  
Supervised By :Mahesh Dadoda 06/18/2024

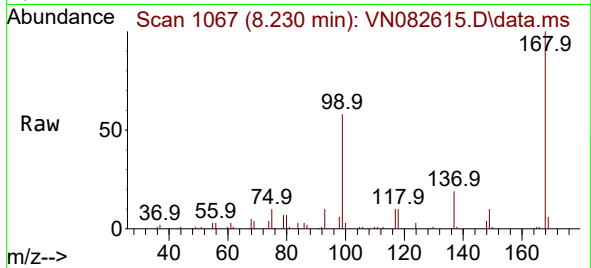
Quant Time: Jun 18 05:01:15 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061724W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 18 04:52:44 2024  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. 0.001 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48

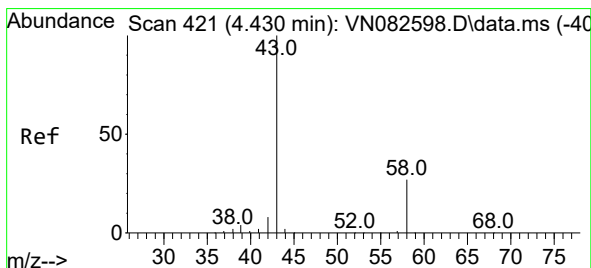
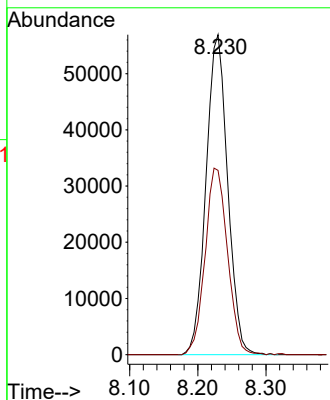
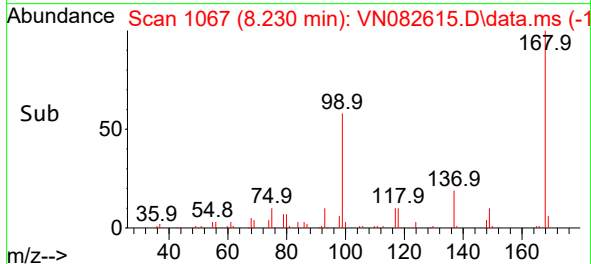
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161507ZHE#02



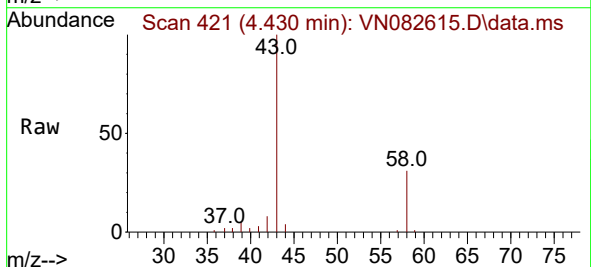
Tgt Ion:168 Resp: 125700  
Ion Ratio Lower Upper  
168 100  
99 57.6 48.2 72.4

Manual Integrations  
APPROVED

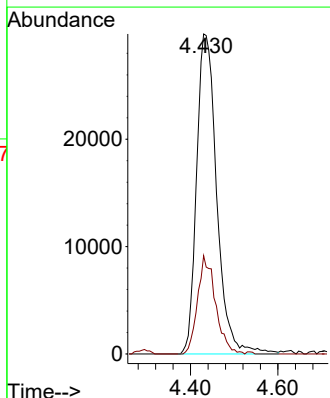
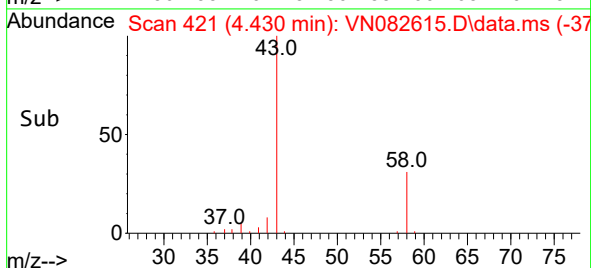
Reviewed By :John Carlone 06/18/2024  
Supervised By :Mahesh Dadoda 06/18/2024

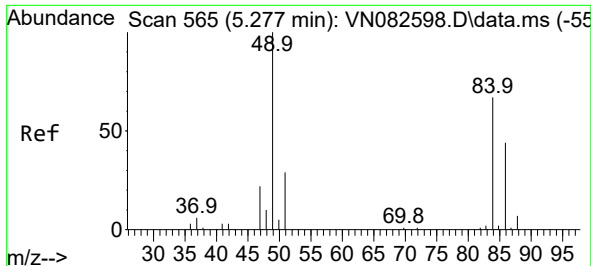


#16  
Acetone  
Concen: 104.397 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.000 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48



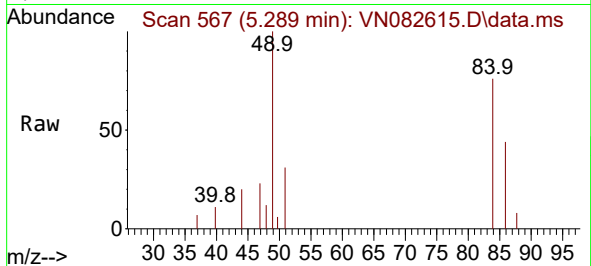
Tgt Ion: 43 Resp: 95710  
Ion Ratio Lower Upper  
43 100  
58 30.7 21.8 32.6





#20  
Methylene Chloride  
Concen: 6.035 ug/l  
RT: 5.289 min Scan# 50  
Delta R.T. 0.012 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48

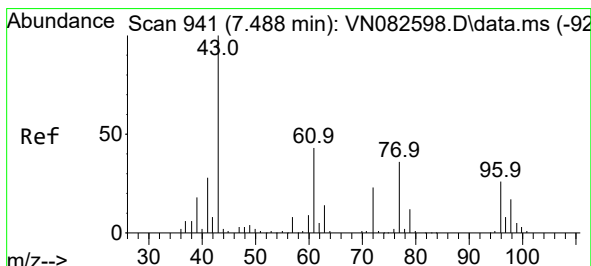
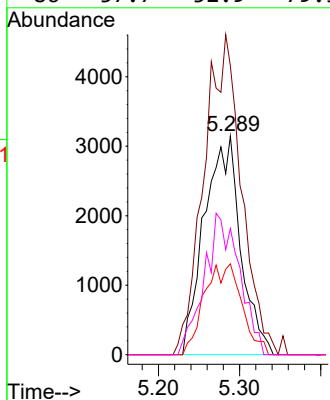
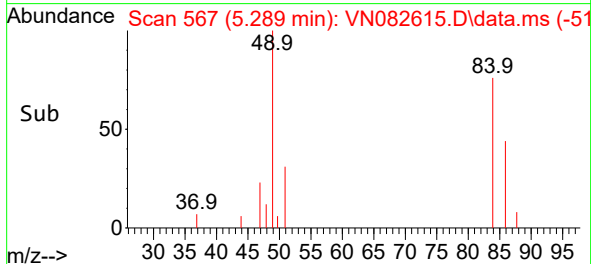
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161507ZHE#02



Tgt Ion: 84 Resp: 9728  
Ion Ratio Lower Upper  
84 100  
49 132.0 119.6 179.4  
51 41.5 34.8 52.2  
86 57.7 52.9 79.3

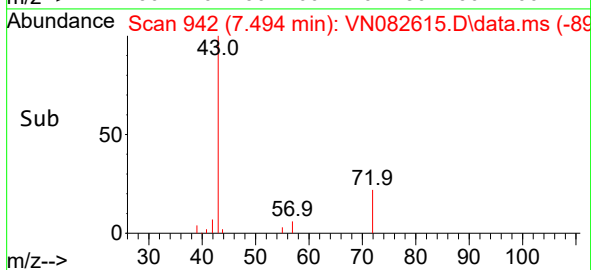
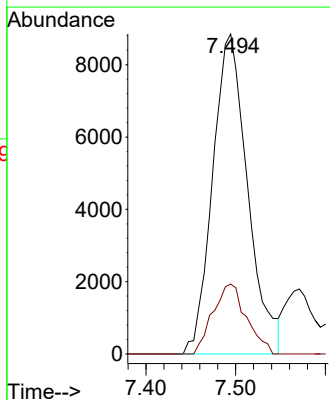
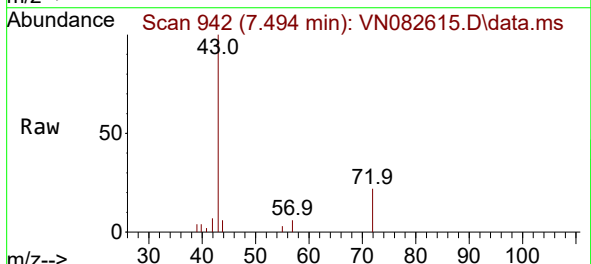
Manual Integrations  
APPROVED

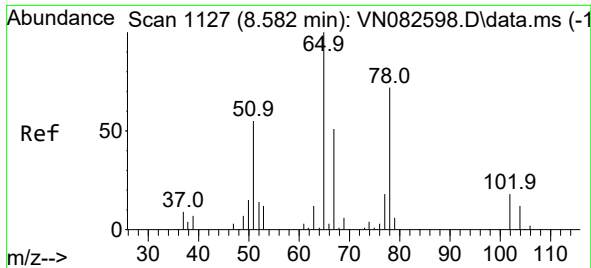
Reviewed By :John Carlone 06/18/2024  
Supervised By :Mahesh Dadoda 06/18/2024



#25  
2-Butanone  
Concen: 18.431 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48

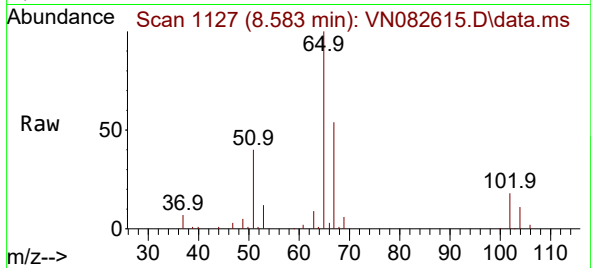
Tgt Ion: 43 Resp: 24018  
Ion Ratio Lower Upper  
43 100  
72 21.8 18.2 27.2





#33  
1,2-Dichloroethane-d4  
Concen: 56.521 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48

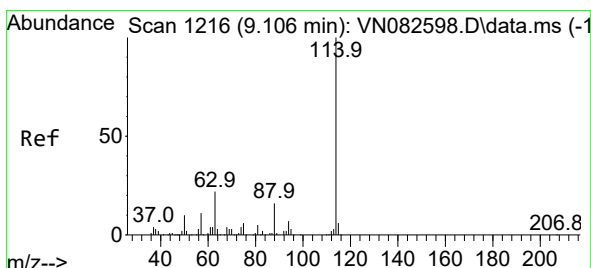
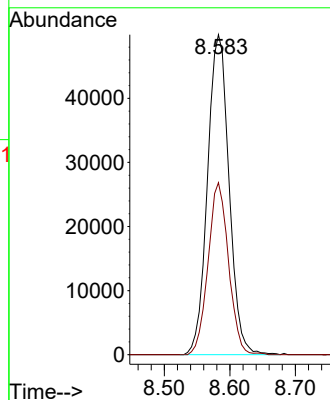
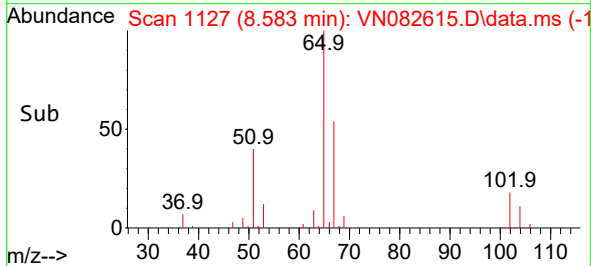
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161507ZHE#02



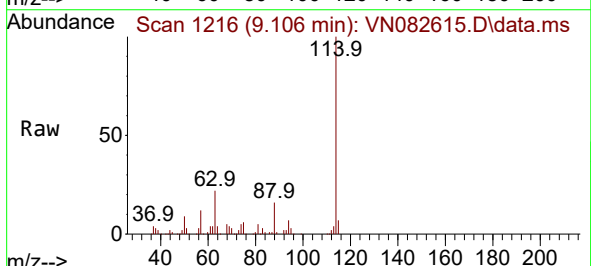
Tgt Ion: 65 Resp: 113939  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 104.4

Manual Integrations  
APPROVED

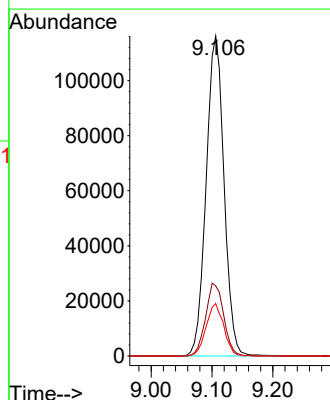
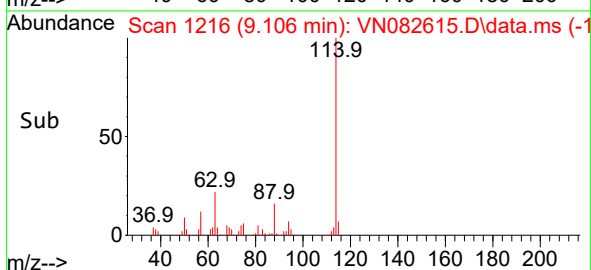
Reviewed By :John Carlone 06/18/2024  
Supervised By :Mahesh Dadoda 06/18/2024

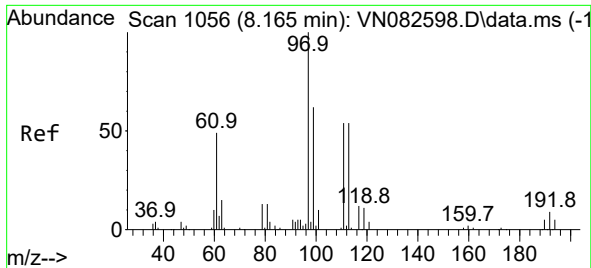


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. 0.000 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48



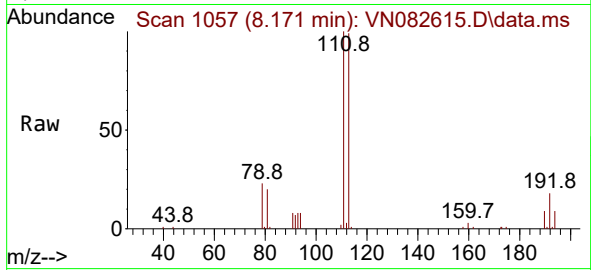
Tgt Ion:114 Resp: 237023  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 44.6  
88 16.4 0.0 31.4





#35  
Dibromofluoromethane  
Concen: 52.488 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48

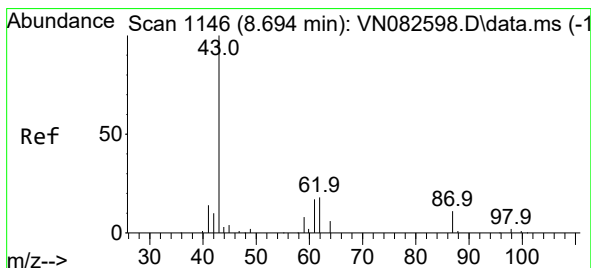
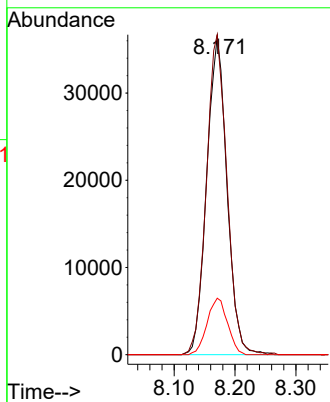
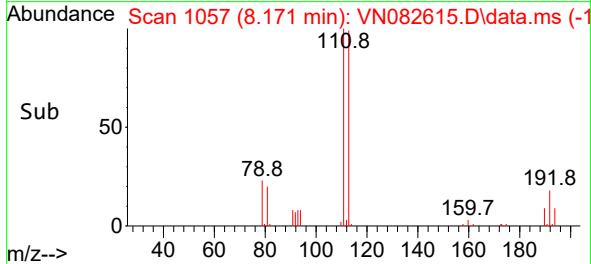
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161507ZHE#02



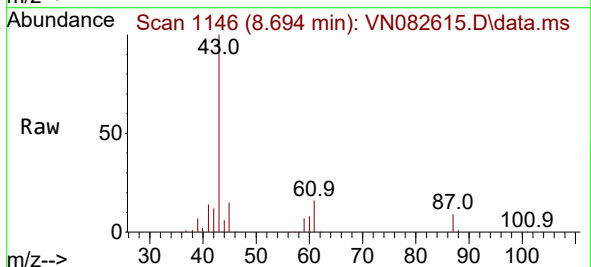
Tgt Ion: 113 Resp: 84398  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.4 123.6  
192 17.8 14.9 22.3

Manual Integrations  
APPROVED

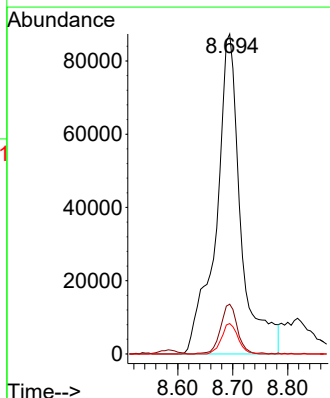
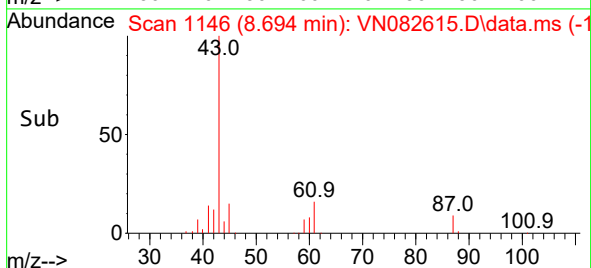
Reviewed By :John Carlone 06/18/2024  
Supervised By :Mahesh Dadoda 06/18/2024

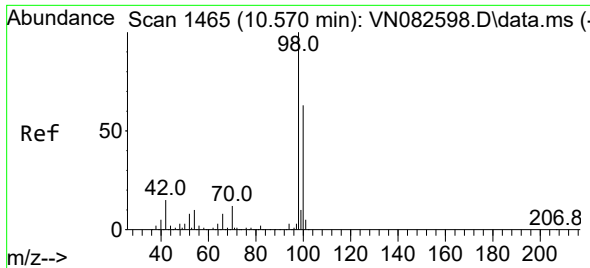


#43  
Isopropyl Acetate  
Concen: 47.638 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48



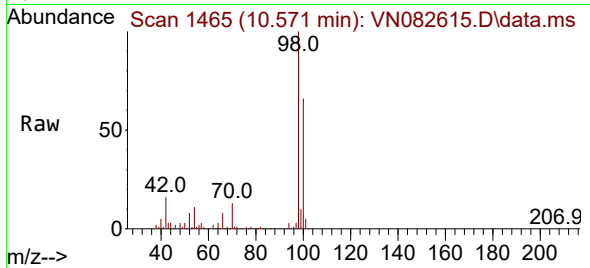
Tgt Ion: 43 Resp: 272590  
Ion Ratio Lower Upper  
43 100  
61 10.5 17.8 26.6#  
87 6.3 8.2 12.2#





#50  
Toluene-d8  
Concen: 52.111 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48

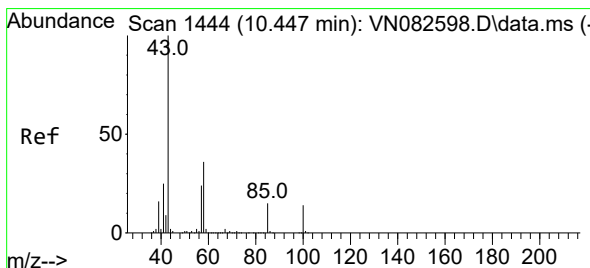
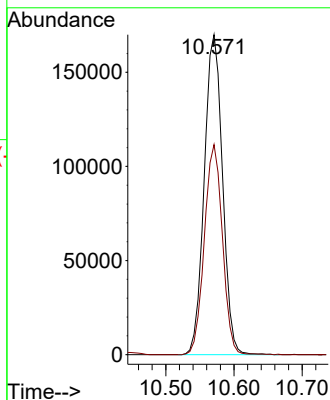
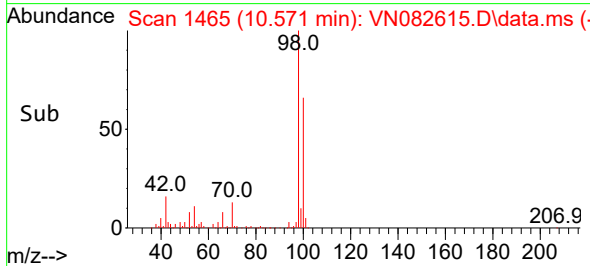
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161507ZHE#02



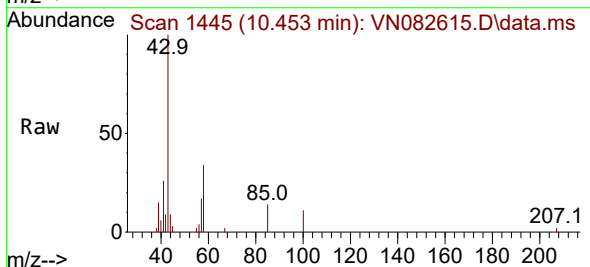
Tgt Ion: 98 Resp: 31686  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.5 77.3

Manual Integrations  
APPROVED

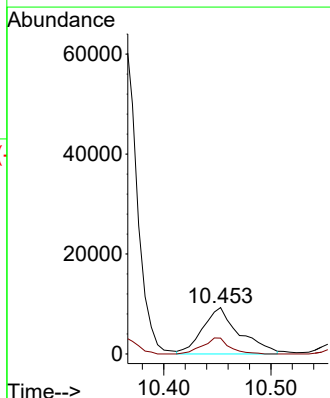
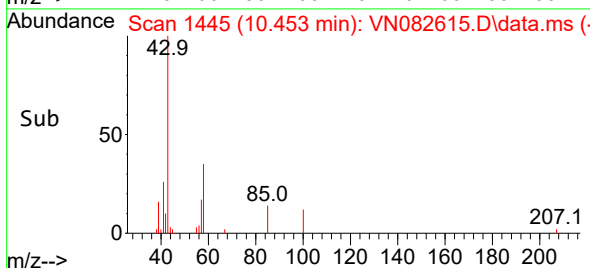
Reviewed By :John Carlone 06/18/2024  
Supervised By :Mahesh Dadoda 06/18/2024

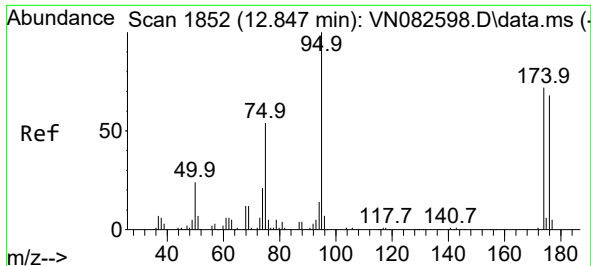


#51  
4-Methyl-2-Pentanone  
Concen: 7.535 ug/l m  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48



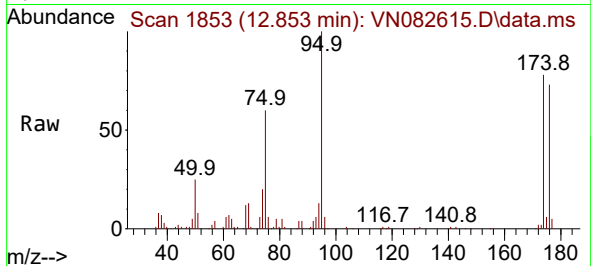
Tgt Ion: 43 Resp: 22116  
Ion Ratio Lower Upper  
43 100  
58 15.5 28.2 42.4#





#62  
4-Bromofluorobenzene  
Concen: 49.887 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48

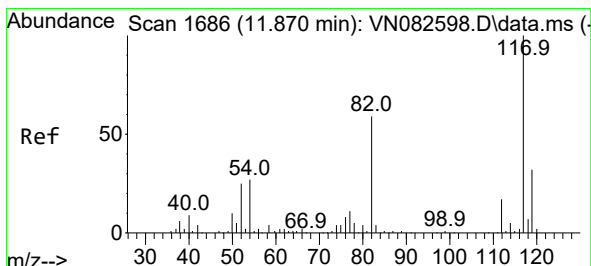
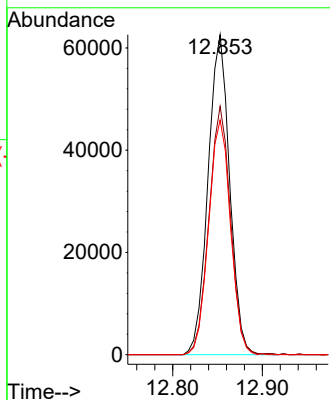
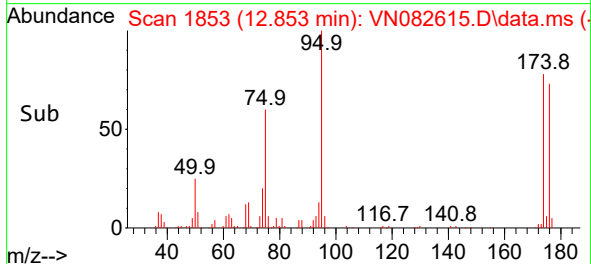
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161507ZHE#02



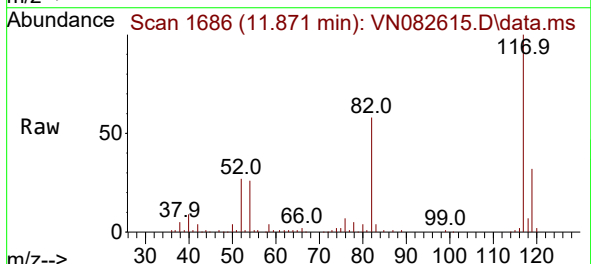
Tgt Ion: 95 Resp: 10458  
Ion Ratio Lower Upper  
95 100  
174 77.9 0.0 159.2  
176 74.2 0.0 147.6

Manual Integrations  
APPROVED

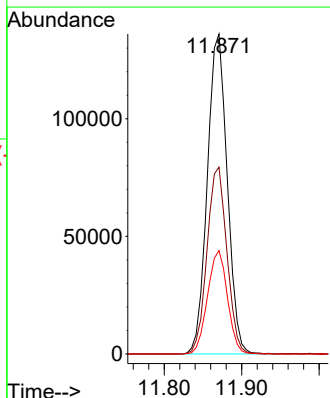
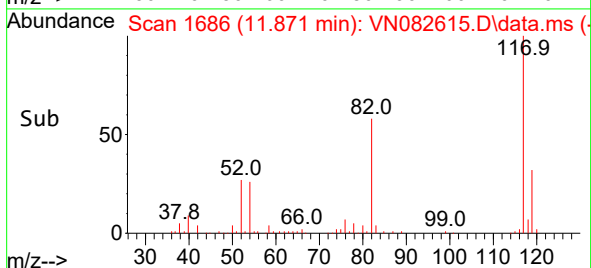
Reviewed By :John Carlone 06/18/2024  
Supervised By :Mahesh Dadoda 06/18/2024

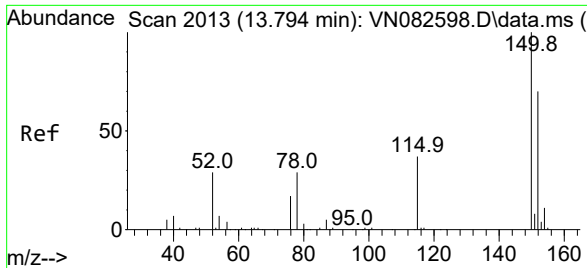


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN082615.D  
Acq: 17 Jun 2024 17:48



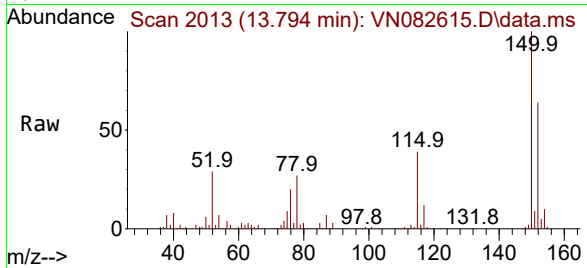
Tgt Ion:117 Resp: 242722  
Ion Ratio Lower Upper  
117 100  
82 58.4 47.5 71.3  
119 32.3 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN082615.D  
 Acq: 17 Jun 2024 17:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB161507ZHE#02



Tgt Ion:152 Resp: 97395  
 Ion Ratio Lower Upper  
 152 100  
 115 60.2 30.6 91.6  
 150 155.8 0.0 348.6

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 06/18/2024  
 Supervised By :Mahesh Dadoda 06/18/2024

