

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040225\  
 Data File : VN086209.D  
 Acq On : 02 Apr 2025 15:31  
 Operator : JC\MD  
 Sample : Q1681-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-12

Quant Time: Apr 03 01:36:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 19 03:20:56 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/03/2025  
 Supervised By : Mahesh Dadoda 04/03/2025

| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.224          | 168  | 119255              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 200636              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.859         | 117  | 192525              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 88049               | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.571          | 65   | 86719               | 53.104 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 106.200% |        |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 65068               | 46.463 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 92.920%  |        |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 250062              | 49.200 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 98.400%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 97856               | 53.987 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 107.980% |        |        |          |
| Target Compounds            |                |      |                     |        |        |          |
|                             |                |      |                     |        |        | Qvalue   |
| 16) Acetone                 | 4.430          | 43   | 28201               | 56.526 | ug/l   | 98       |
| 20) Methylene Chloride      | 5.283          | 84   | 9444                | 6.471  | ug/l   | 95       |
| 25) 2-Butanone              | 7.489          | 43   | 4214                | 5.854  | ug/l # | 79       |
| 43) Isopropyl Acetate       | 8.689          | 43   | 12973m              | 3.848  | ug/l   |          |
| -----                       |                |      |                     |        |        |          |

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

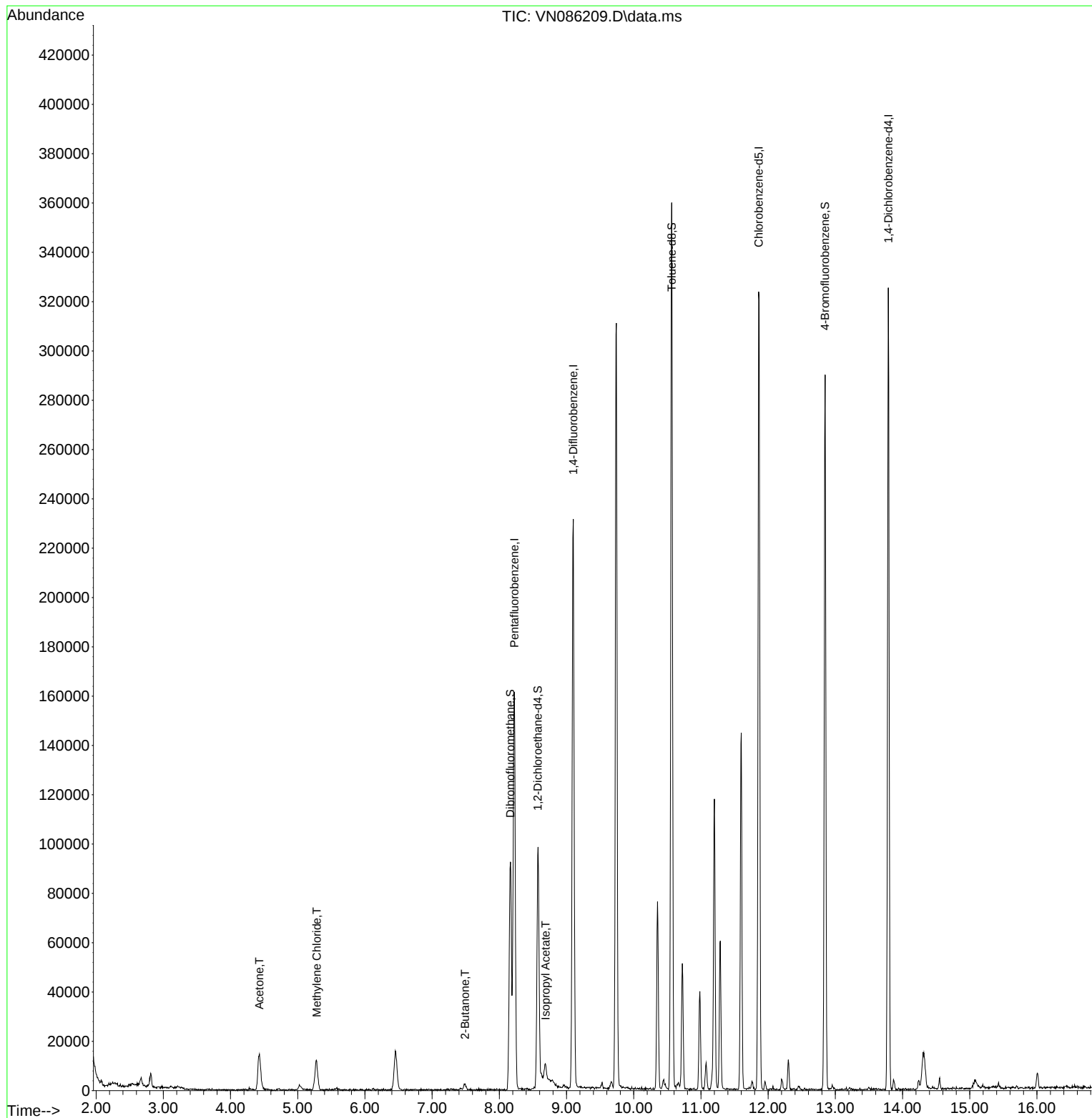
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040225\  
Data File : VN086209.D  
Acq On : 02 Apr 2025 15:31  
Operator : JC\MD  
Sample : Q1681-04  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

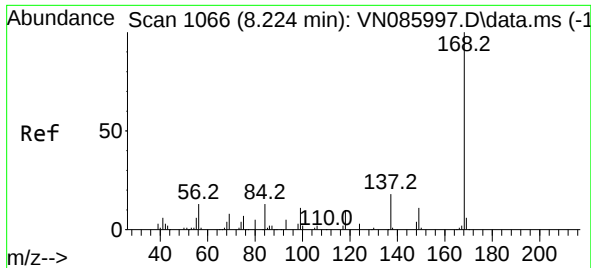
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-12

Quant Time: Apr 03 01:36:10 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 19 03:20:56 2025  
Response via : Initial Calibration

Manual Integrations  
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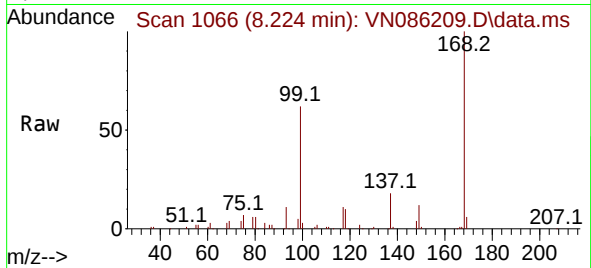
Reviewed By :John Carlone 04/03/2025  
Supervised By :Mahesh Dadoda 04/03/2025





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN086209.D  
Acq: 02 Apr 2025 15:31

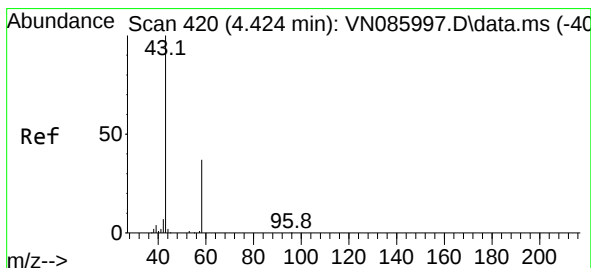
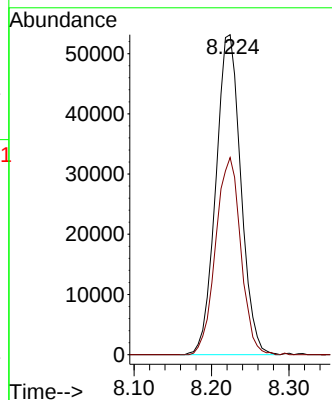
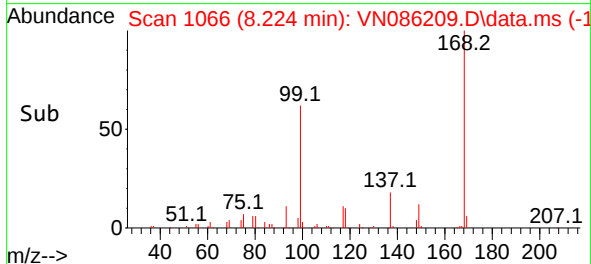
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-12



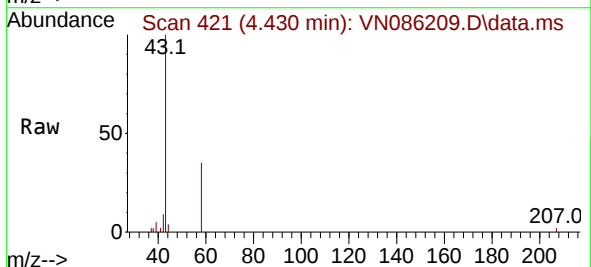
Tgt Ion:168 Resp: 11925  
Ion Ratio Lower Upper  
168 100  
99 61.6 49.4 74.2

Manual Integrations  
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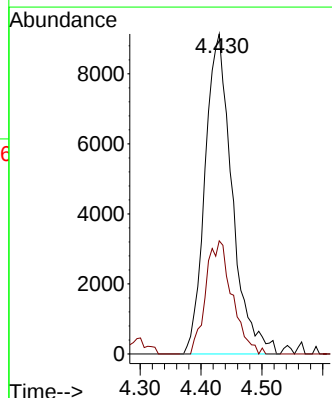
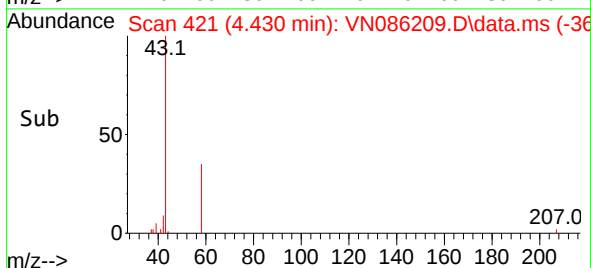
Reviewed By :John Carlone 04/03/2025  
Supervised By :Mahesh Dadoda 04/03/2025

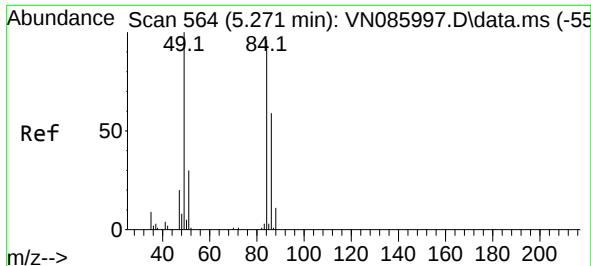


#16  
Acetone  
Concen: 56.526 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN086209.D  
Acq: 02 Apr 2025 15:31



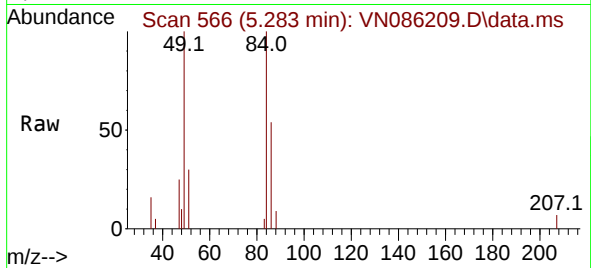
Tgt Ion: 43 Resp: 28201  
Ion Ratio Lower Upper  
43 100  
58 35.3 29.4 44.2





#20  
Methylene Chloride  
Concen: 6.471 ug/l  
RT: 5.283 min Scan# 504  
Delta R.T. 0.012 min  
Lab File: VN086209.D  
Acq: 02 Apr 2025 15:31

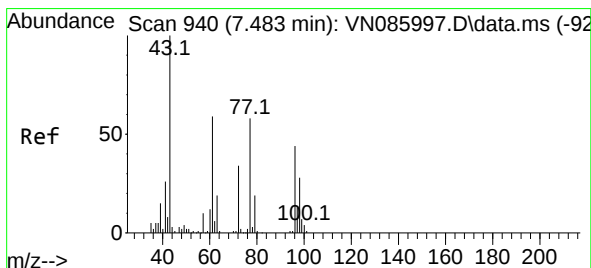
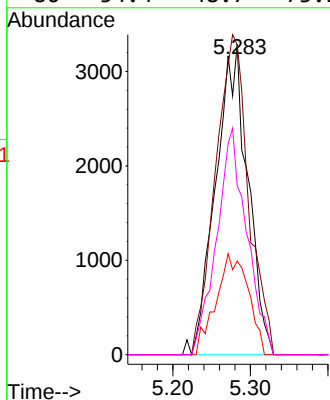
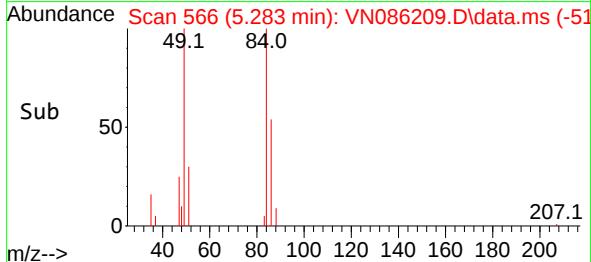
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-12



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 99.8  | 83.3  | 124.9 |
| 51      | 30.1  | 24.8  | 37.2  |
| 86      | 54.4  | 48.7  | 73.1  |

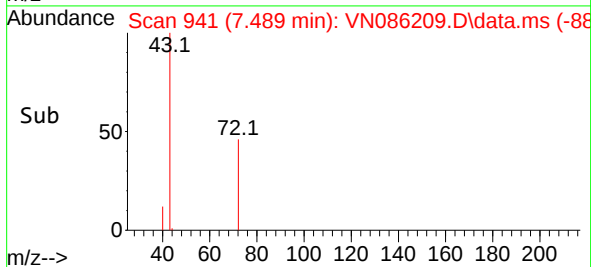
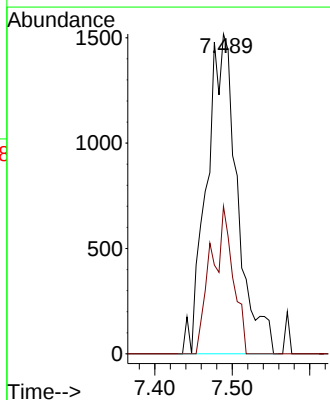
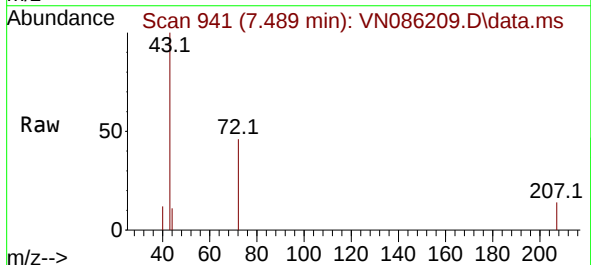
Manual Integrations  
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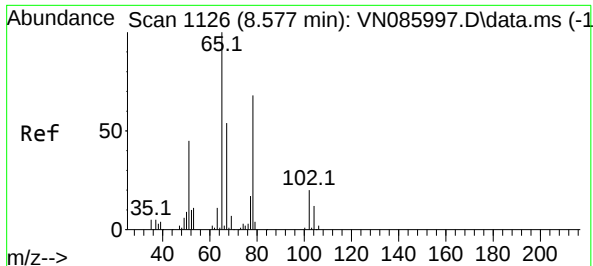
Reviewed By :John Carlone 04/03/2025  
Supervised By :Mahesh Dadoda 04/03/2025



#25  
2-Butanone  
Concen: 5.854 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN086209.D  
Acq: 02 Apr 2025 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 46.1  | 27.4  | 41.0# |





#33

1,2-Dichloroethane-d4

Concen: 53.104 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086209.D

Acq: 02 Apr 2025 15:31

Instrument :

MSVOA\_N

ClientSampleId :

TP-12

Tgt Ion: 65 Resp: 86719

Ion Ratio Lower Upper

65 100

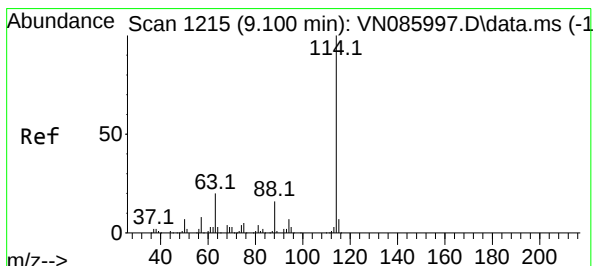
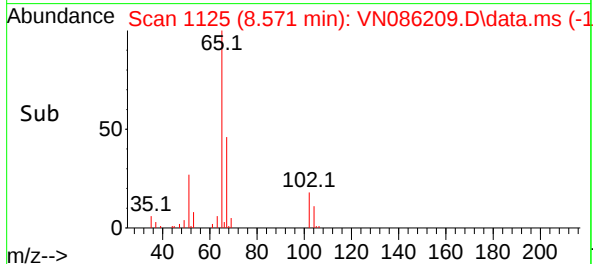
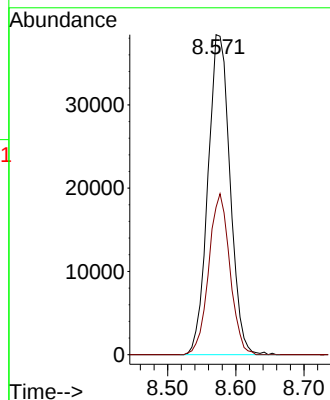
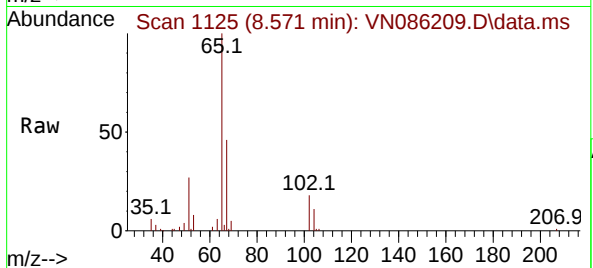
67 48.1 0.0 102.2

Manual Integrations

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Reviewed By :John Carlone 04/03/2025

Supervised By :Mahesh Dadoda 04/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086209.D

Acq: 02 Apr 2025 15:31

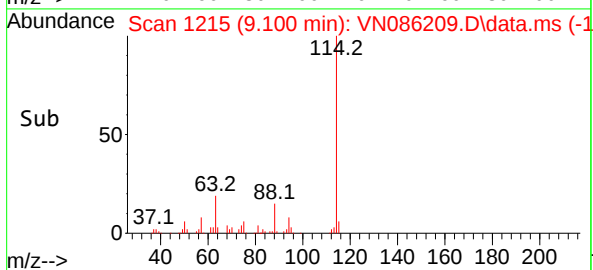
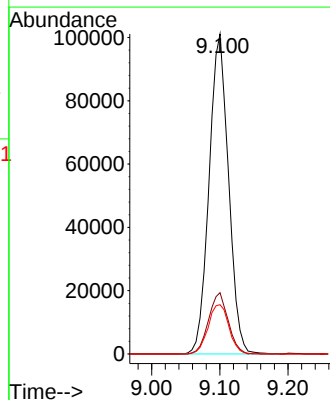
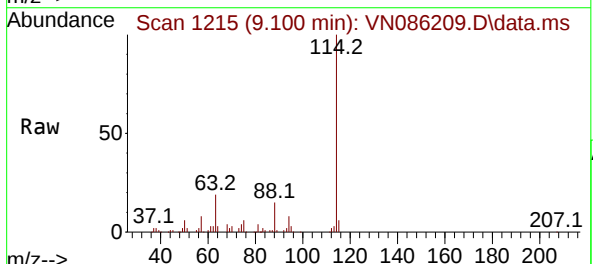
Tgt Ion:114 Resp: 200636

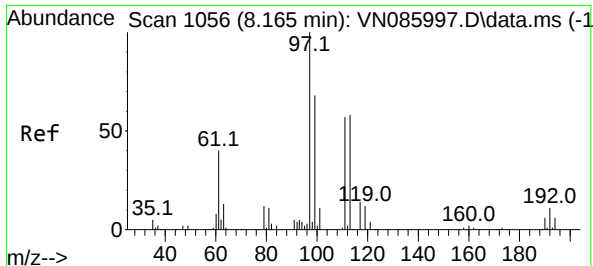
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

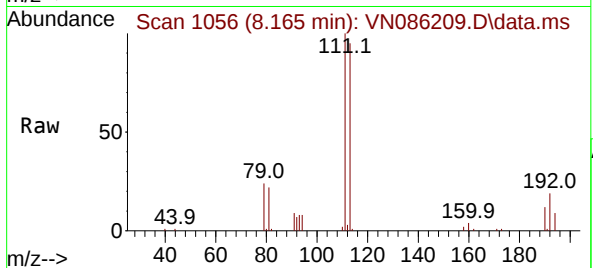
88 15.4 0.0 32.6





#35  
Dibromofluoromethane  
Concen: 46.463 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN086209.D  
Acq: 02 Apr 2025 15:31

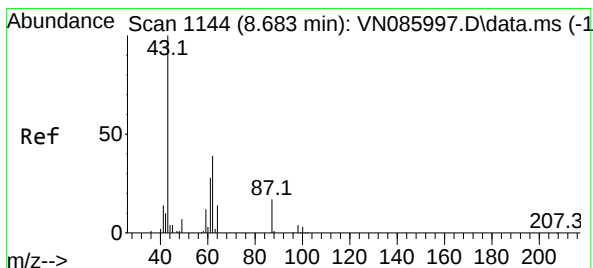
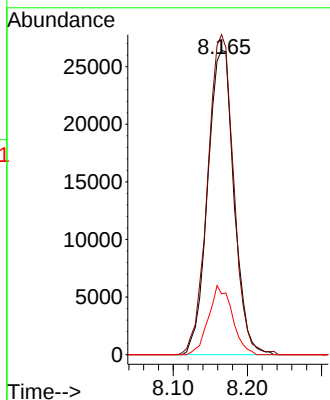
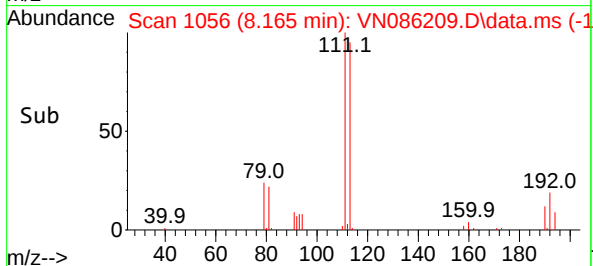
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-12



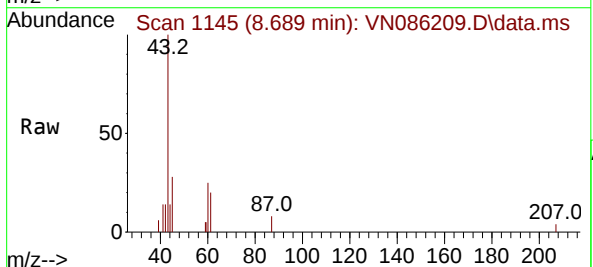
Tgt Ion: 113 Resp: 65068  
Ion Ratio Lower Upper  
113 100  
111 104.3 81.8 122.8  
192 20.5 15.9 23.9

Manual Integrations  
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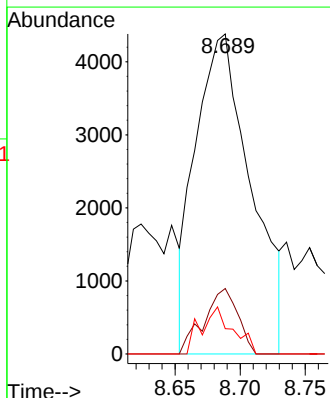
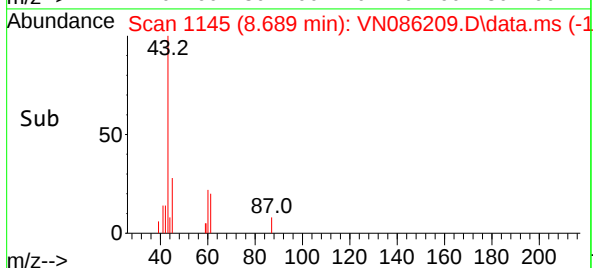
Reviewed By :John Carlone 04/03/2025  
Supervised By :Mahesh Dadoda 04/03/2025

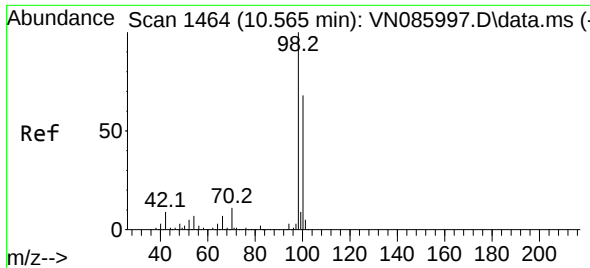


#43  
Isopropyl Acetate  
Concen: 3.848 ug/l m  
RT: 8.689 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VN086209.D  
Acq: 02 Apr 2025 15:31



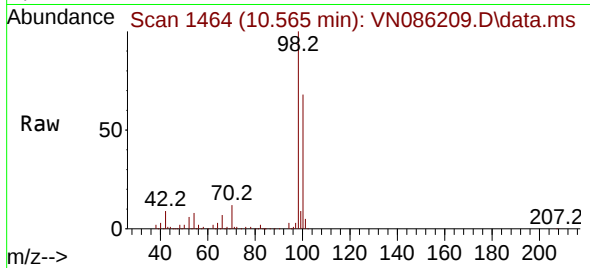
Tgt Ion: 43 Resp: 12973  
Ion Ratio Lower Upper  
43 100  
61 12.5 25.0 37.6#  
87 8.3 13.0 19.4#





#50  
Toluene-d8  
Concen: 49.200 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN086209.D  
Acq: 02 Apr 2025 15:31

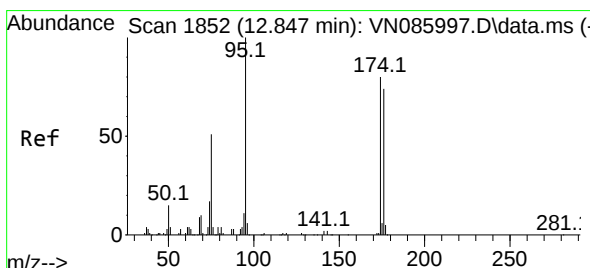
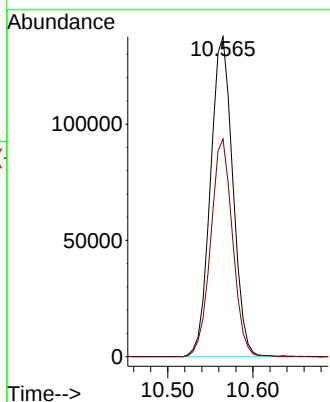
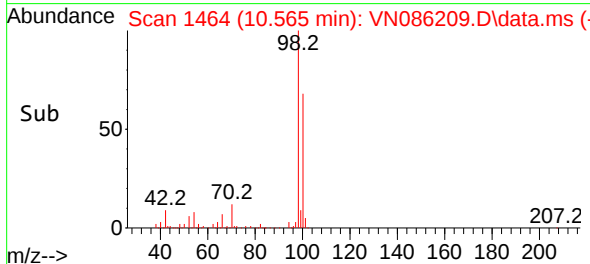
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-12



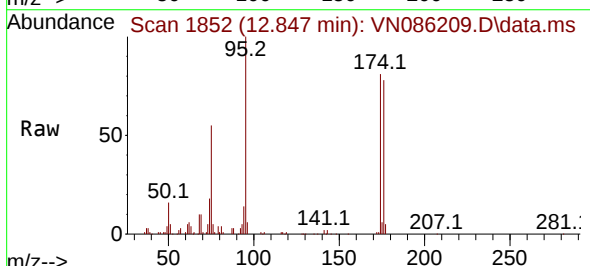
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Ion Ratio Lower Upper  
98 100  
100 66.7 53.1 79.7

Manual Integrations  
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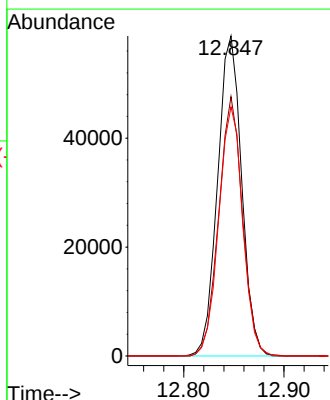
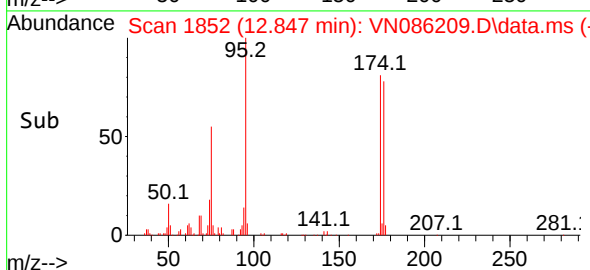
Reviewed By :John Carlone 04/03/2025  
Supervised By :Mahesh Dadoda 04/03/2025

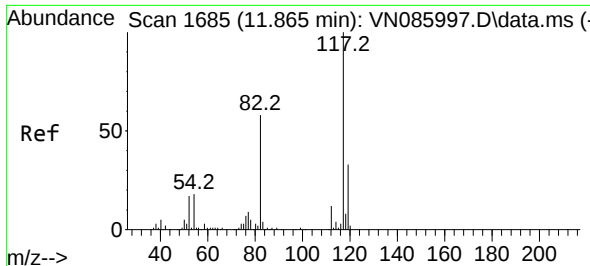


#62  
4-Bromofluorobenzene  
Concen: 53.987 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN086209.D  
Acq: 02 Apr 2025 15:31



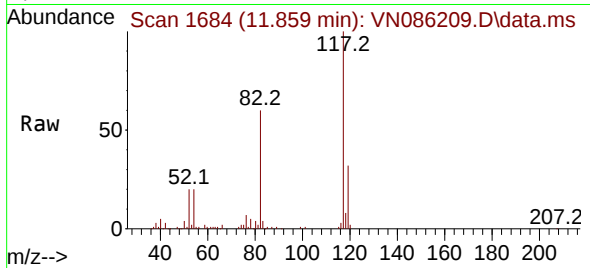
Tgt Ion: 95 Resp: 97856  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 156.8  
176 77.5 0.0 152.2





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.859 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VN086209.D  
Acq: 02 Apr 2025 15:31

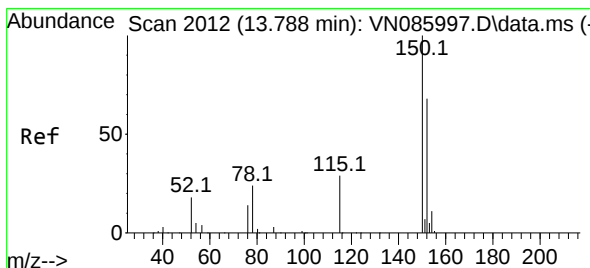
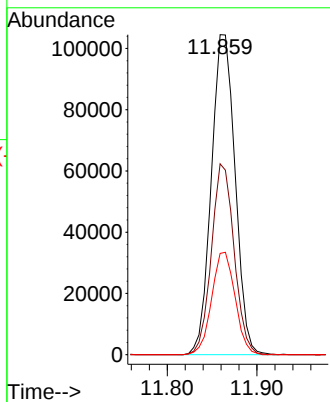
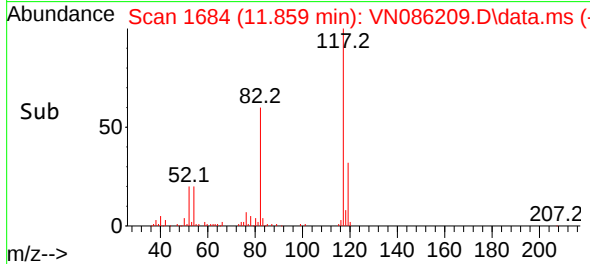
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-12



Tgt Ion:117 Resp: 19252  
Ion Ratio Lower Upper  
117 100  
82 59.6 46.7 70.1  
119 31.7 26.5 39.7

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/03/2025  
Supervised By :Mahesh Dadoda 04/03/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN086209.D  
Acq: 02 Apr 2025 15:31

Tgt Ion:152 Resp: 88049  
Ion Ratio Lower Upper  
152 100  
115 63.9 31.1 93.2  
150 158.3 0.0 359.6

