

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092425\  
 Data File : VN087941.D  
 Acq On : 24 Sep 2025 12:07  
 Operator : JC\MD  
 Sample : PB169792TB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB169792TB

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/25/2025  
 Supervised By : Mahesh Dadoda 09/26/2025

Quant Time: Sep 25 03:09:23 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 05:05:30 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.206          | 168  | 180149              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.083          | 114  | 402801              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.847         | 117  | 422045              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.771         | 152  | 192340              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.565          | 65   | 181542              | 59.880 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 119.760% |        |        |          |
| 35) Dibromofluoromethane    | 8.153          | 113  | 153017              | 52.321 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 104.640% |        |        |          |
| 50) Toluene-d8              | 10.547         | 98   | 538289              | 52.340 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 104.680% |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.829         | 95   | 184629              | 50.223 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 100.440% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        |          |
| 16) Acetone                 | 4.430          | 43   | 93095               | 74.631 | ug/l   | 97       |
| 18) Methyl Acetate          | 5.030          | 43   | 25252               | 8.089  | ug/l # | 84       |
| 20) Methylene Chloride      | 5.265          | 84   | 23098               | 9.148  | ug/l   | 99       |
| 25) 2-Butanone              | 7.477          | 43   | 29040               | 15.231 | ug/l   | 98       |
| 37) Ethyl Acetate           | 7.553          | 43   | 17275m              | 3.741  | ug/l   |          |
| 43) Isopropyl Acetate       | 8.677          | 43   | 15639               | 2.152  | ug/l   | 93       |
| -----                       |                |      |                     |        |        |          |

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

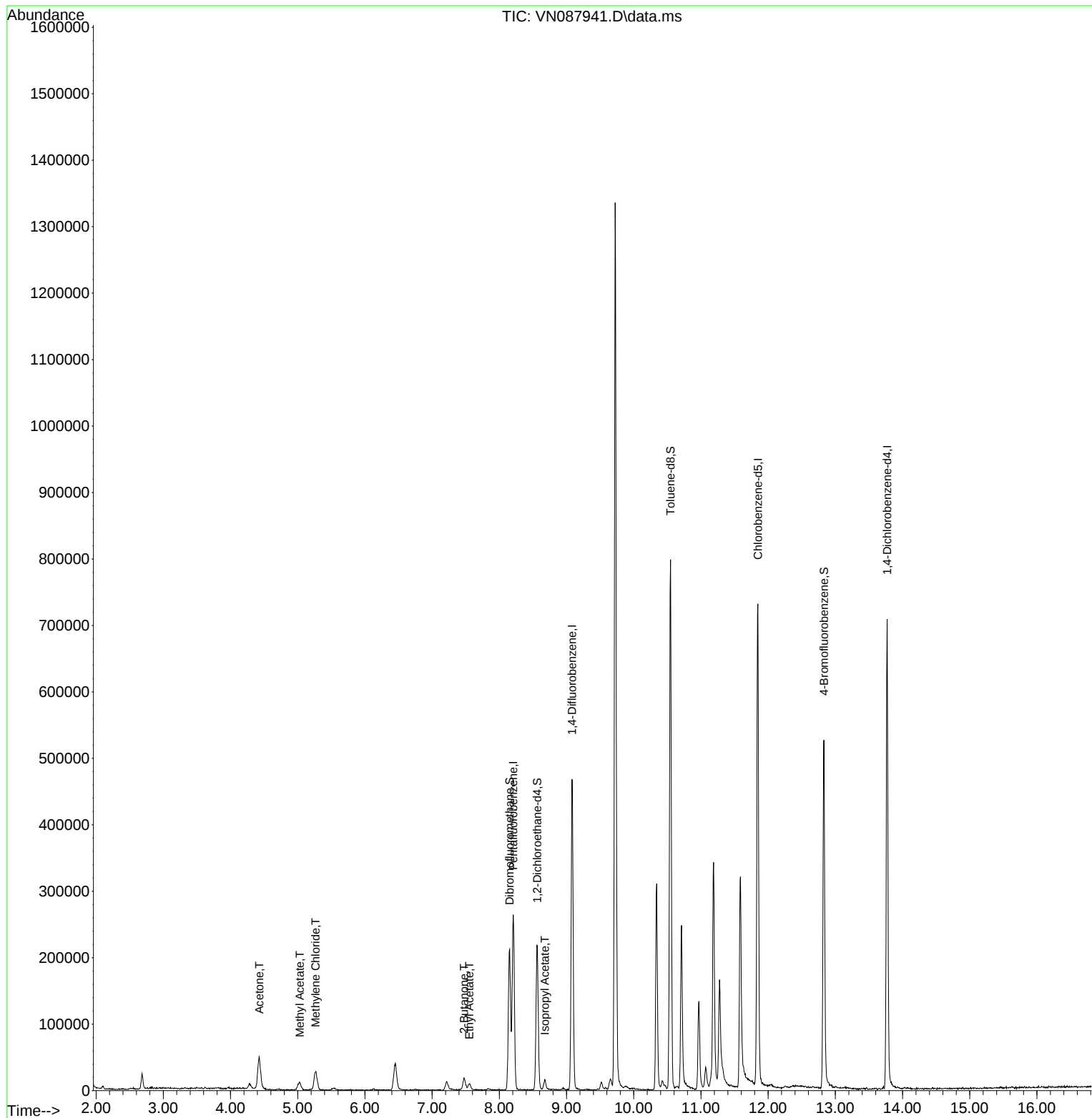
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092425\  
Data File : VN087941.D  
Acq On : 24 Sep 2025 12:07  
Operator : JC\MD  
Sample : PB169792TB  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

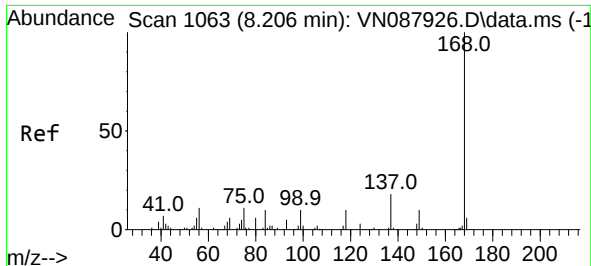
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB169792TB

Quant Time: Sep 25 03:09:23 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 24 05:05:30 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

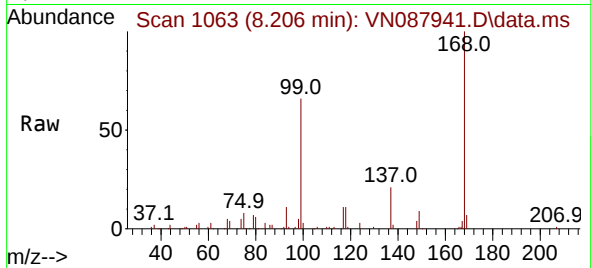
Reviewed By : John Carlone 09/25/2025  
Supervised By : Mahesh Dadoda 09/26/2025





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN087941.D  
Acq: 24 Sep 2025 12:07

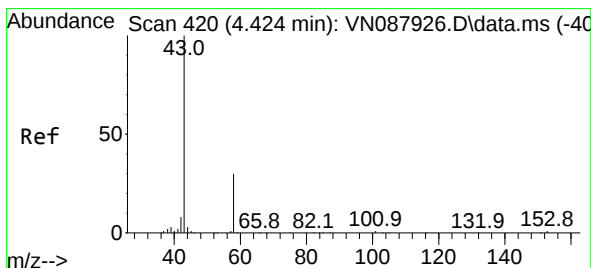
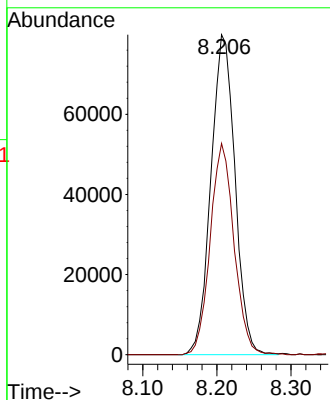
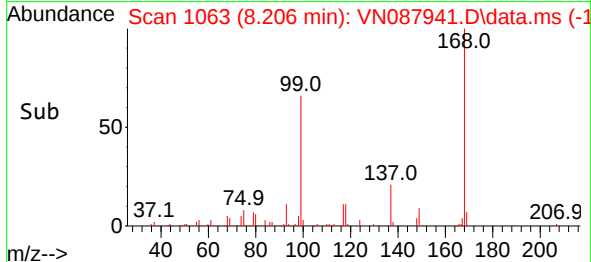
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB169792TB



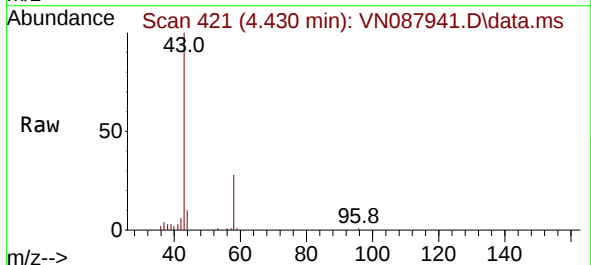
Tgt Ion:168 Resp: 180149  
Ion Ratio Lower Upper  
168 100  
99 66.0 52.2 78.2

Manual Integrations  
APPROVED

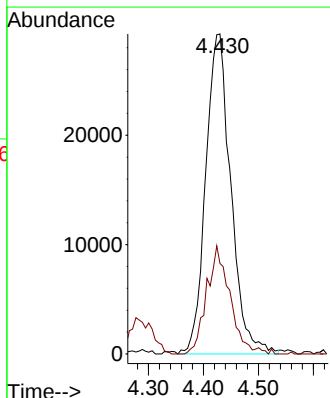
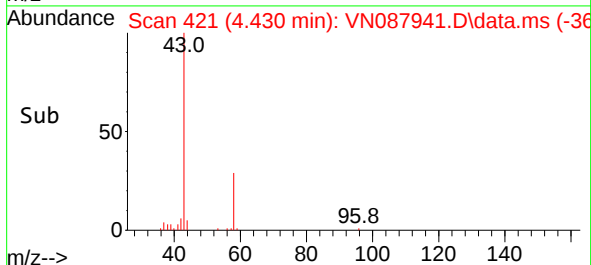
Reviewed By :John Carlone 09/25/2025  
Supervised By :Mahesh Dadoda 09/26/2025

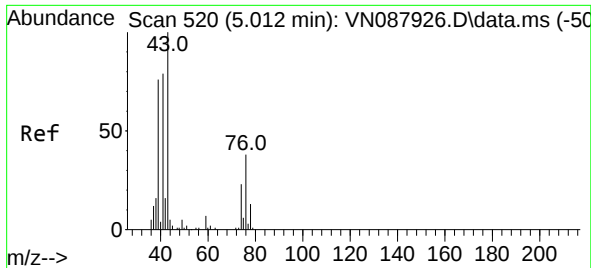


#16  
Acetone  
Concen: 74.631 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN087941.D  
Acq: 24 Sep 2025 12:07



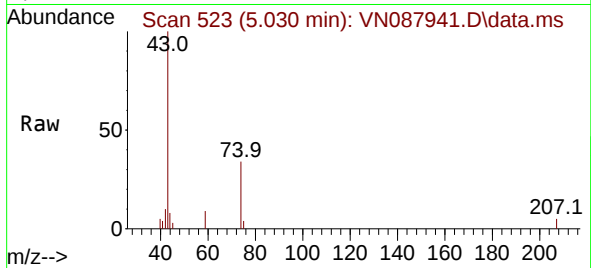
Tgt Ion: 43 Resp: 93095  
Ion Ratio Lower Upper  
43 100  
58 28.3 24.1 36.1





#18  
Methyl Acetate  
Concen: 8.089 ug/l  
RT: 5.030 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VN087941.D  
Acq: 24 Sep 2025 12:07

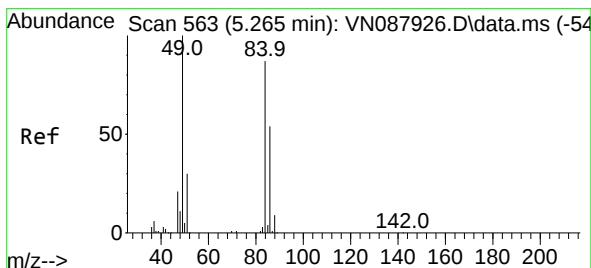
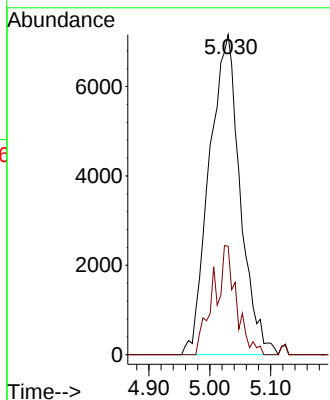
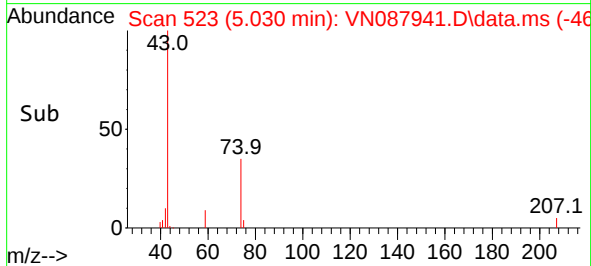
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB169792TB



Tgt Ion: 43 Resp: 2525  
Ion Ratio Lower Upper  
43 100  
74 16.8 19.7 29.5

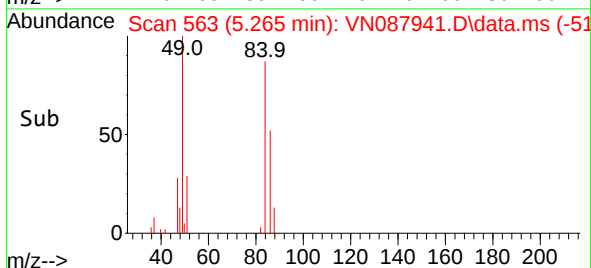
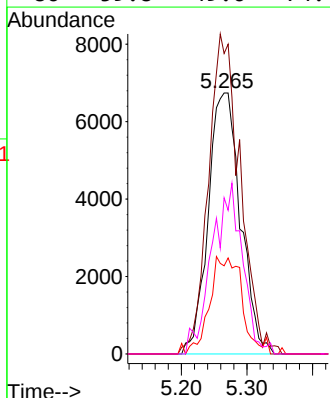
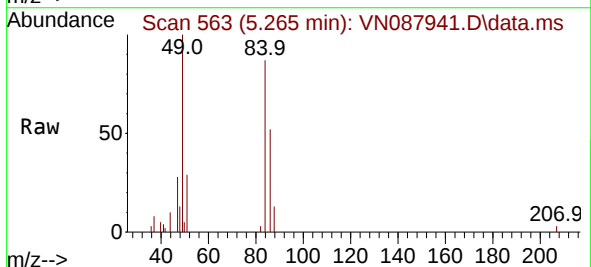
Manual Integrations  
APPROVED

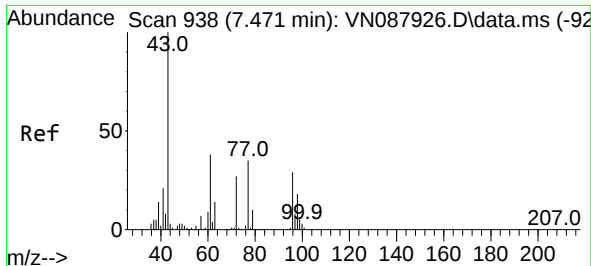
Reviewed By :John Carlone 09/25/2025  
Supervised By :Mahesh Dadoda 09/26/2025



#20  
Methylene Chloride  
Concen: 9.148 ug/l  
RT: 5.265 min Scan# 563  
Delta R.T. 0.000 min  
Lab File: VN087941.D  
Acq: 24 Sep 2025 12:07

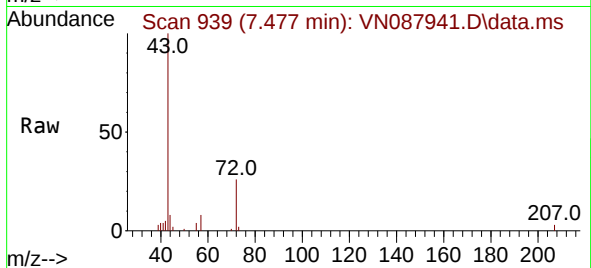
Tgt Ion: 84 Resp: 23098  
Ion Ratio Lower Upper  
84 100  
49 115.1 92.1 138.1  
51 33.8 27.7 41.5  
86 59.8 49.6 74.4





#25  
2-Butanone  
Concen: 15.231 ug/l  
RT: 7.477 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN087941.D  
Acq: 24 Sep 2025 12:07

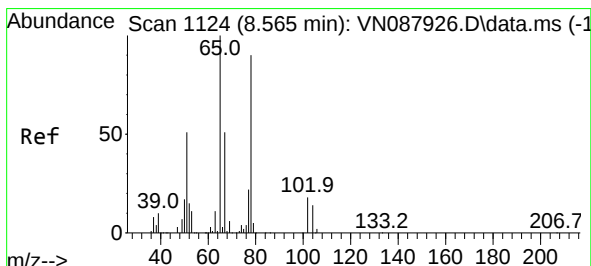
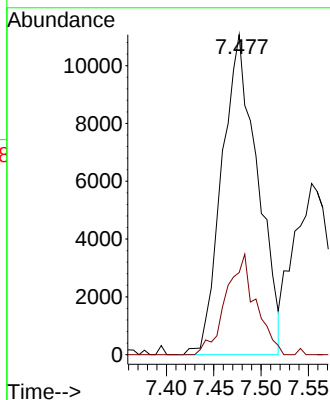
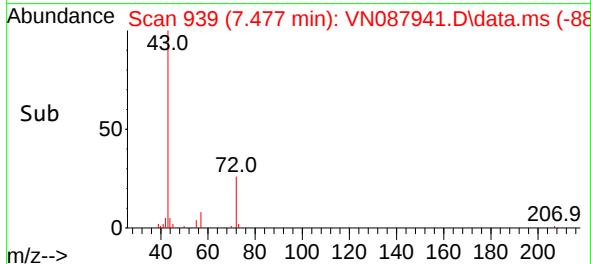
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB169792TB



Tgt Ion: 43 Resp: 29040  
Ion Ratio Lower Upper  
43 100  
72 25.7 21.5 32.3

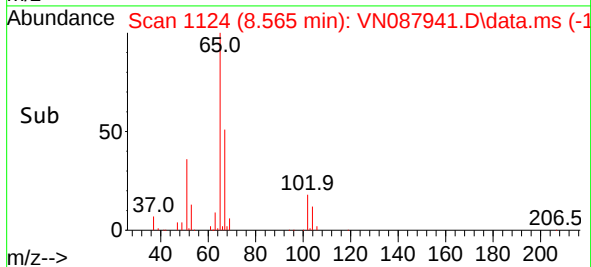
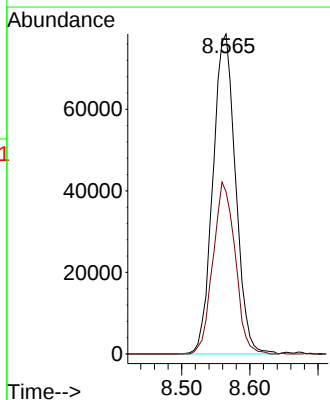
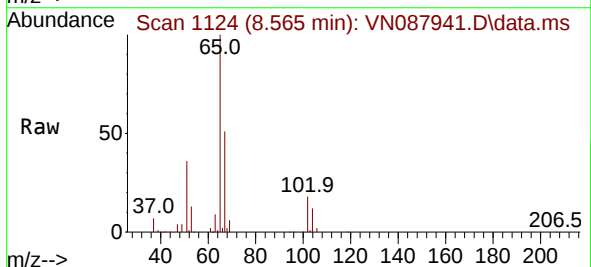
Manual Integrations  
APPROVED

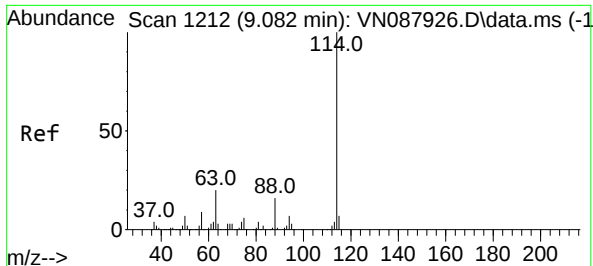
Reviewed By :John Carlone 09/25/2025  
Supervised By :Mahesh Dadoda 09/26/2025



#33  
1,2-Dichloroethane-d4  
Concen: 59.880 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. 0.000 min  
Lab File: VN087941.D  
Acq: 24 Sep 2025 12:07

Tgt Ion: 65 Resp: 181542  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087941.D

Acq: 24 Sep 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

PB169792TB

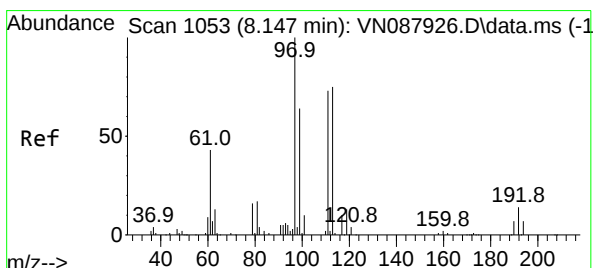
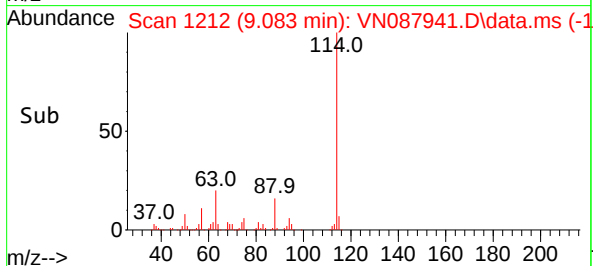
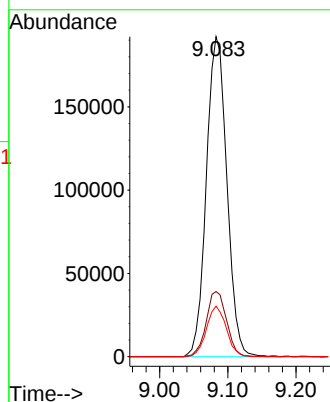
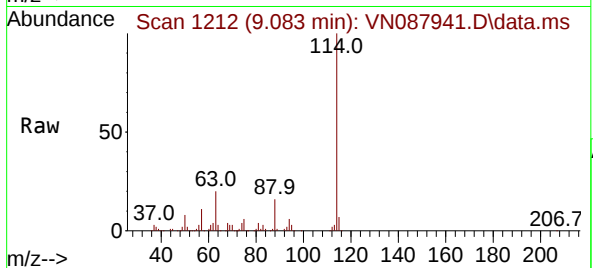
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 40280 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 20.3  | 0.0   | 40.0  |
| 88        | 15.8  | 0.0   | 31.8  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/25/2025

Supervised By :Mahesh Dadoda 09/26/2025



#35

Dibromofluoromethane

Concen: 52.321 ug/l

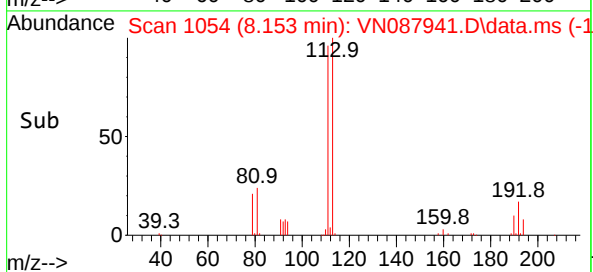
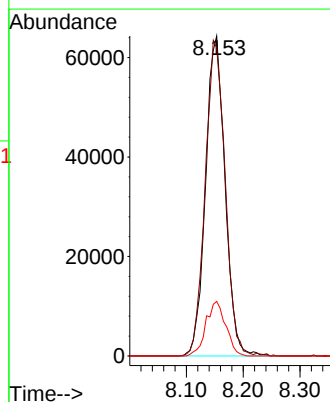
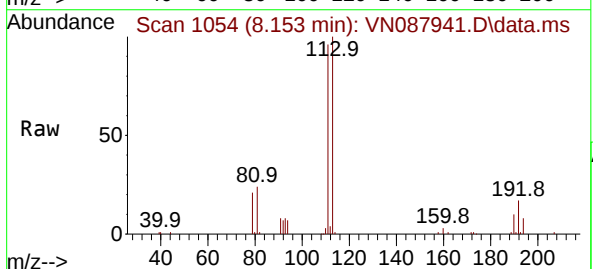
RT: 8.153 min Scan# 1054

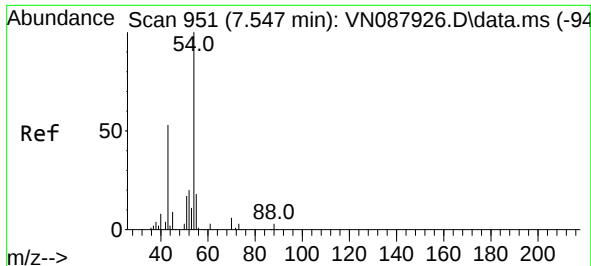
Delta R.T. 0.006 min

Lab File: VN087941.D

Acq: 24 Sep 2025 12:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 153017 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.0 | 82.2  | 123.2  |
| 192       | 17.4  | 14.2  | 21.2   |





#37

Ethyl Acetate

Concen: 3.741 ug/l m

RT: 7.553 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087941.D

Acq: 24 Sep 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

PB169792TB

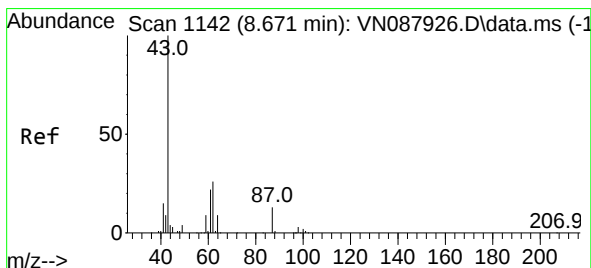
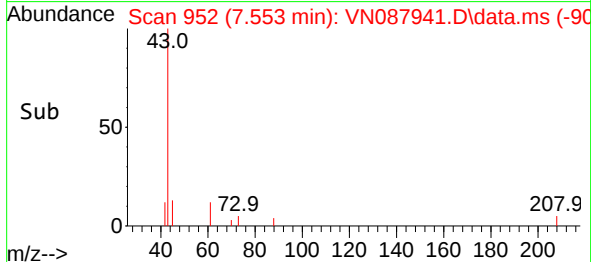
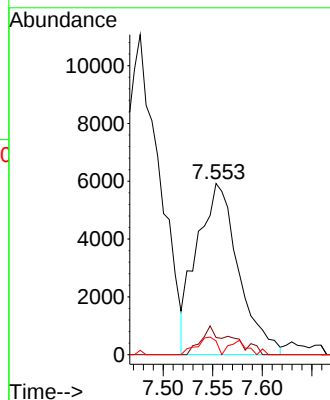
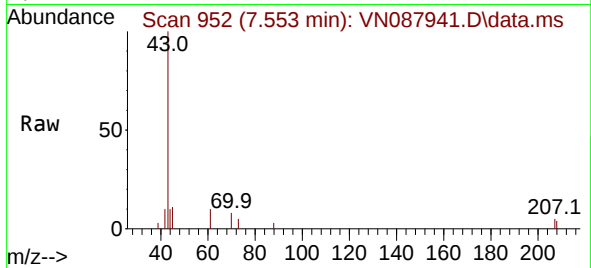
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 43    | Resp: | 1727 |
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 61        | 7.1   | 10.7  | 16.1 |
| 70        | 4.9   | 7.8   | 11.8 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/25/2025

Supervised By :Mahesh Dadoda 09/26/2025



#43

Isopropyl Acetate

Concen: 2.152 ug/l

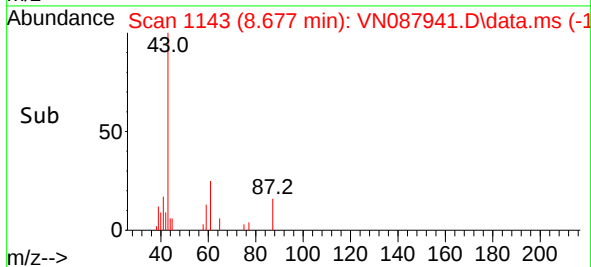
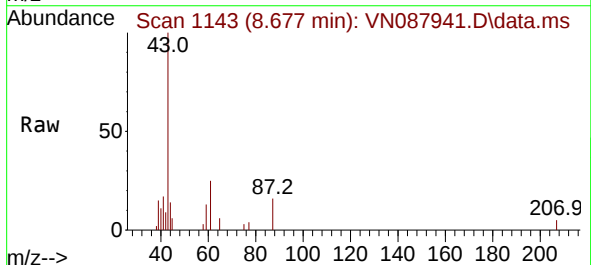
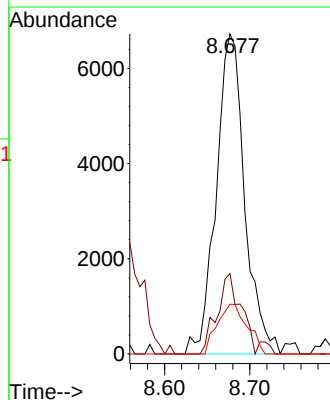
RT: 8.677 min Scan# 1143

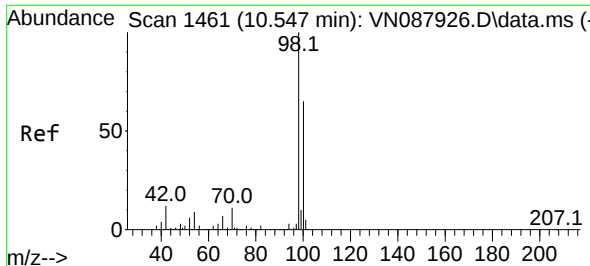
Delta R.T. 0.006 min

Lab File: VN087941.D

Acq: 24 Sep 2025 12:07

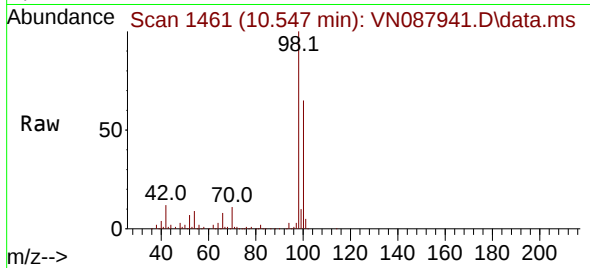
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 15639 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 21.6  | 20.2  | 30.2  |
| 87        | 16.3  | 10.9  | 16.3  |





#50  
Toluene-d8  
Concen: 52.340 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN087941.D  
Acq: 24 Sep 2025 12:07

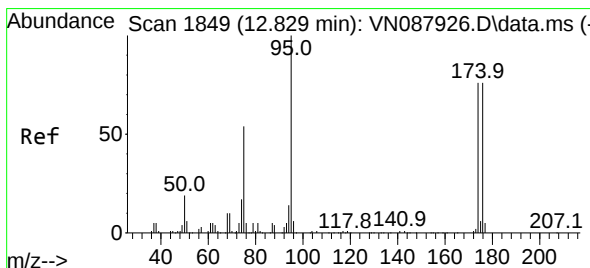
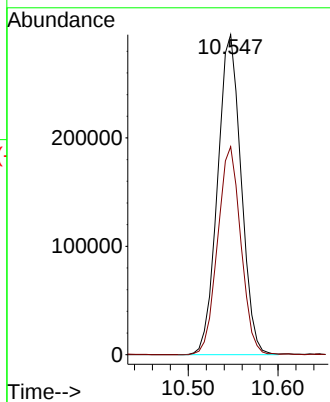
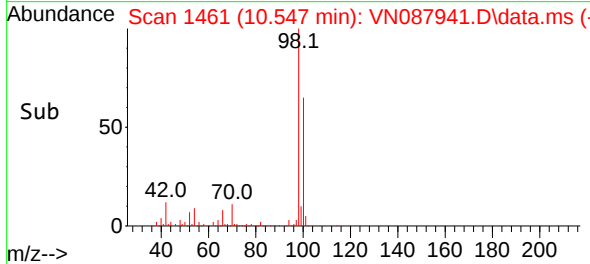
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB169792TB



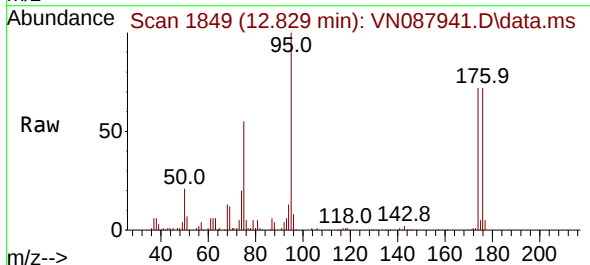
Tgt Ion: 98 Resp: 538289  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.7 77.5

Manual Integrations  
APPROVED

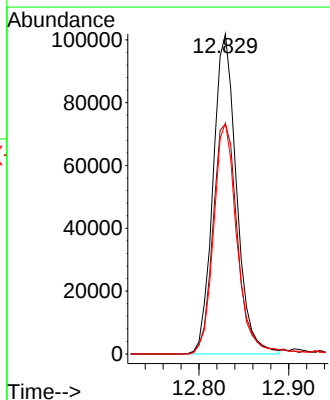
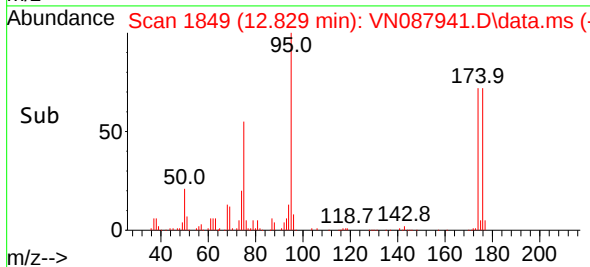
Reviewed By :John Carlone 09/25/2025  
Supervised By :Mahesh Dadoda 09/26/2025

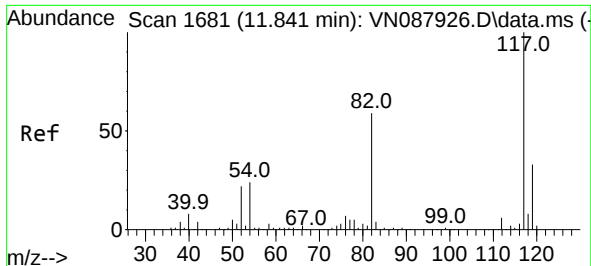


#62  
4-Bromofluorobenzene  
Concen: 50.223 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VN087941.D  
Acq: 24 Sep 2025 12:07



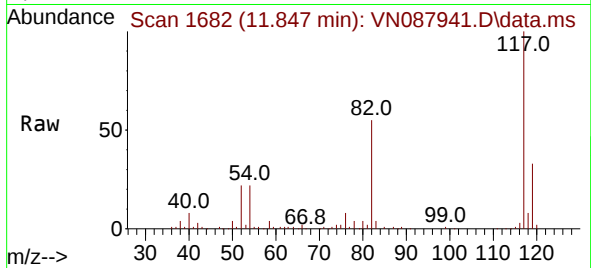
Tgt Ion: 95 Resp: 184629  
Ion Ratio Lower Upper  
95 100  
174 75.9 0.0 159.2  
176 72.2 0.0 152.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 1184  
Delta R.T. 0.006 min  
Lab File: VN087941.D  
Acq: 24 Sep 2025 12:07

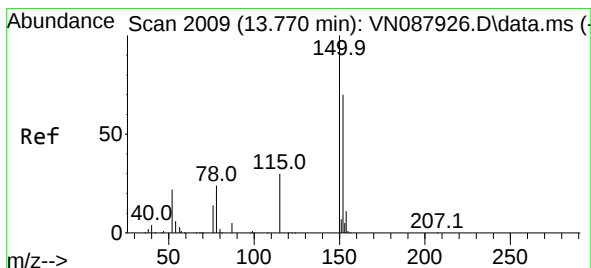
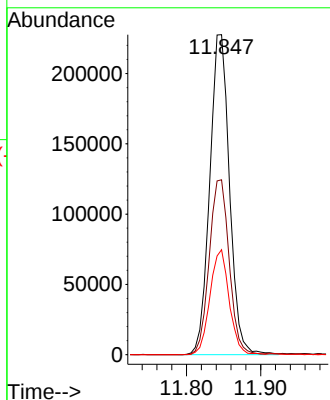
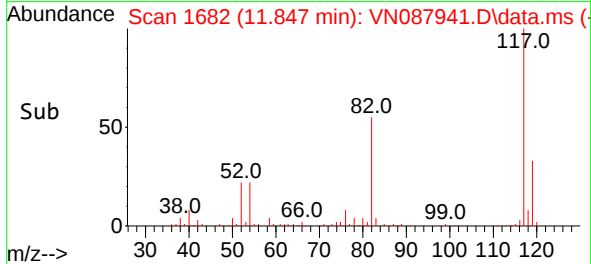
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB169792TB



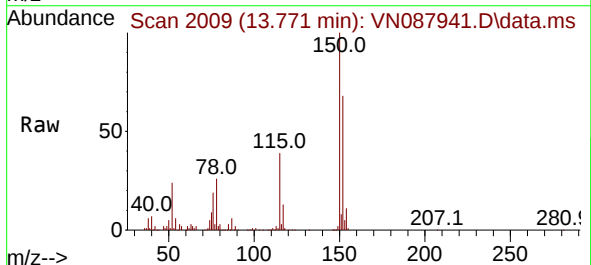
Tgt Ion:117 Resp: 422045  
Ion Ratio Lower Upper  
117 100  
82 54.7 47.0 70.4  
119 32.8 26.1 39.1

Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/25/2025  
Supervised By :Mahesh Dadoda 09/26/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.771 min Scan# 2009  
Delta R.T. 0.000 min  
Lab File: VN087941.D  
Acq: 24 Sep 2025 12:07



Tgt Ion:152 Resp: 192340  
Ion Ratio Lower Upper  
152 100  
115 60.0 29.9 89.7  
150 153.6 0.0 335.0

