

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN043025\  
 Data File : VN086433.D  
 Acq On : 30 Apr 2025 13:50  
 Operator : JC\MD  
 Sample : PB167775ZHE#03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB167775ZHE#03

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/02/2025  
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 01 01:34:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 16 04:19:23 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.224          | 168  | 155440              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 291732              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 272591              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 112524              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 113675              | 50.432 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 100.860% |        |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 71664               | 52.929 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 105.860% |        |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 373699              | 51.643 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 103.280% |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 127570              | 48.334 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 96.660%  |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 11) Tert butyl alcohol      | 5.518          | 59   | 7620                | 18.528 | ug/l # | 91       |
| 16) Acetone                 | 4.436          | 43   | 35162               | 40.333 | ug/l   | 97       |
| 20) Methylene Chloride      | 5.283          | 84   | 5474                | 2.627  | ug/l # | 89       |
| 25) 2-Butanone              | 7.482          | 43   | 35524               | 25.320 | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.682          | 43   | 34773m              | 5.030  | ug/l   |          |
| -----                       |                |      |                     |        |        |          |

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

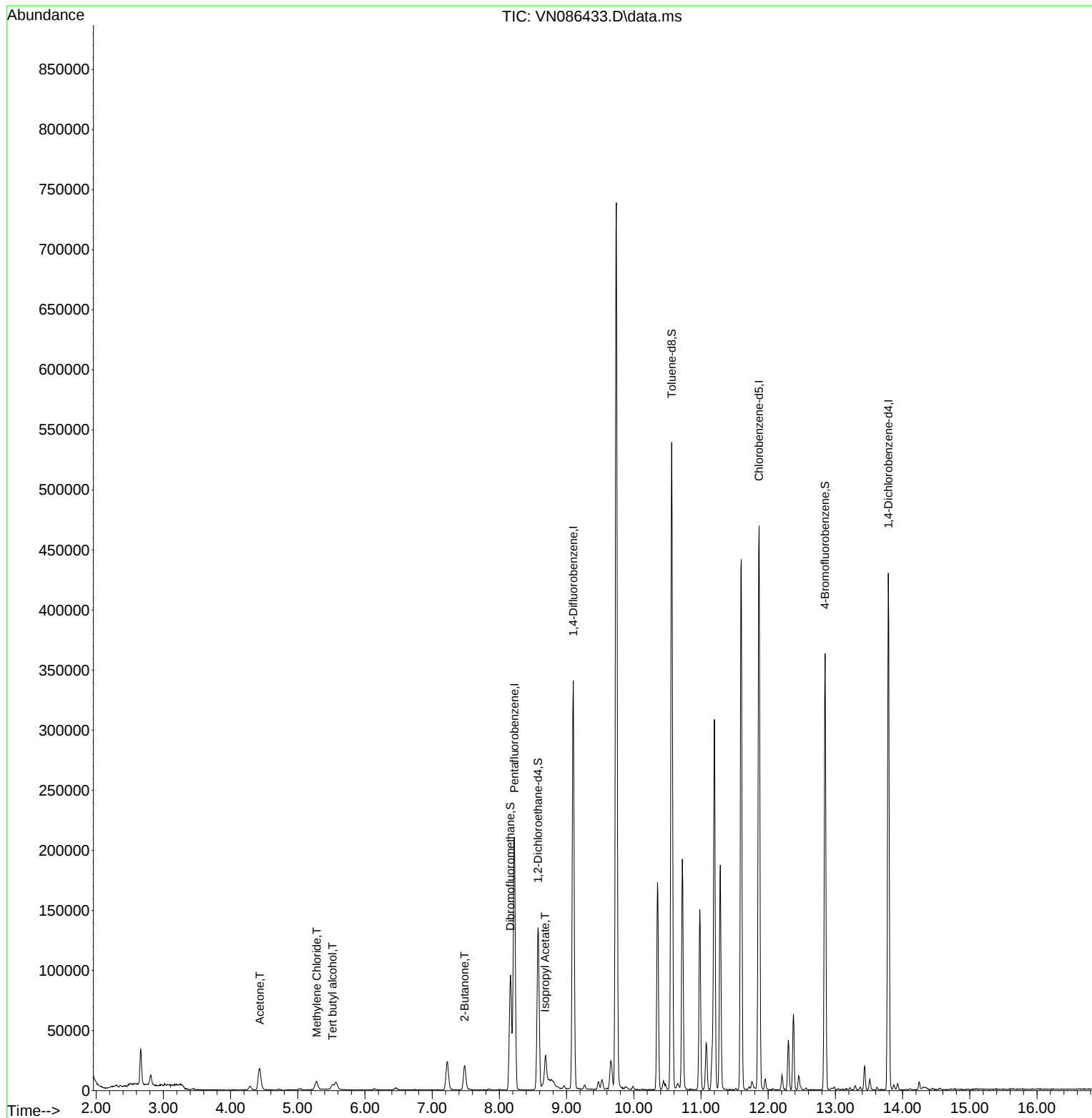
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN043025\  
Data File : VN086433.D  
Acq On : 30 Apr 2025 13:50  
Operator : JC\MD  
Sample : PB167775ZHE#03  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

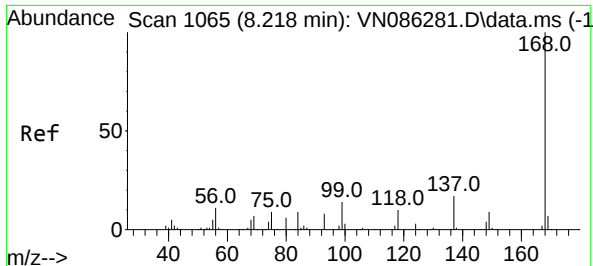
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167775ZHE#03

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Supervised By :Semsettin Yesilyurt 05/05/2025

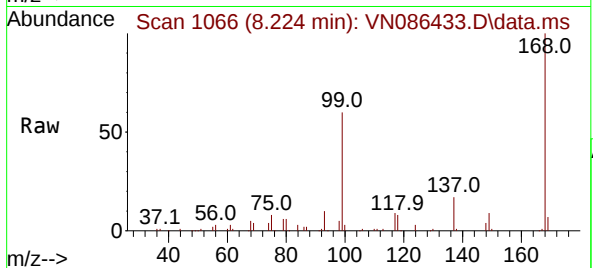
Quant Time: May 01 01:34:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 16 04:19:23 2025  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50

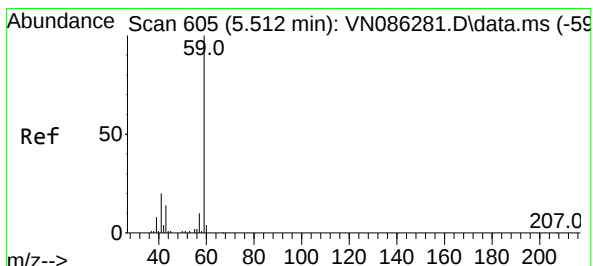
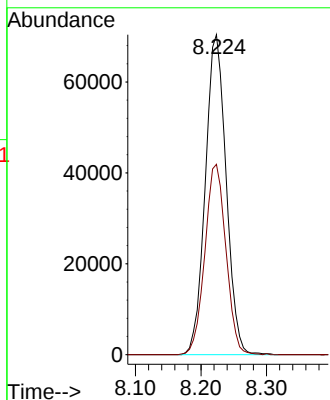
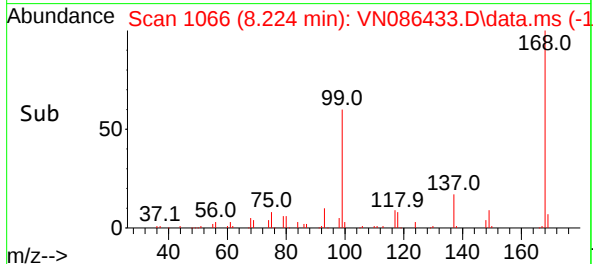
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167775ZHE#03



Tgt Ion:168 Resp: 155440  
Ion Ratio Lower Upper  
168 100  
99 59.5 52.5 78.7

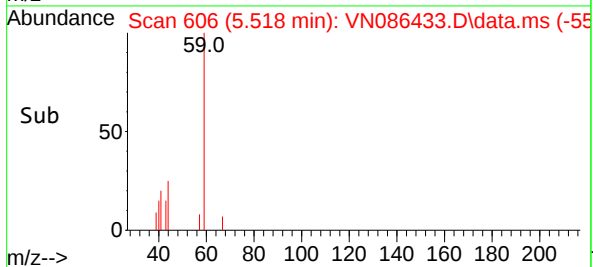
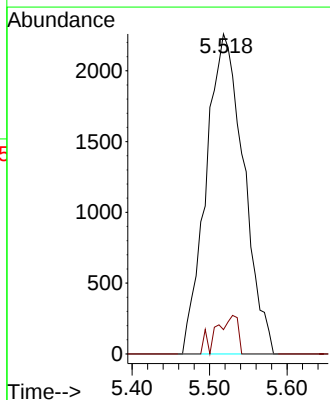
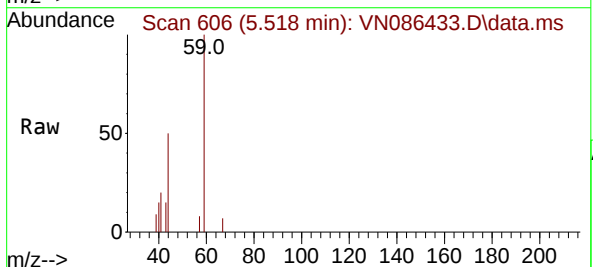
Manual Integrations  
APPROVED

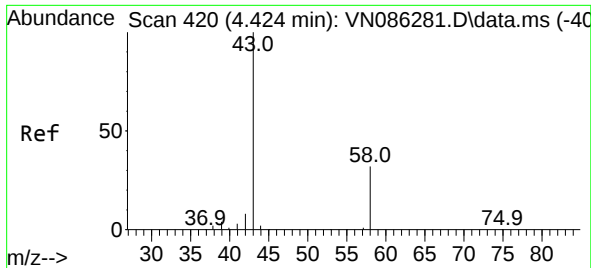
Reviewed By :John Carlone 05/02/2025  
Supervised By :Semsettin Yesilyurt 05/05/2025



#11  
Tert butyl alcohol  
Concen: 18.528 ug/l  
RT: 5.518 min Scan# 606  
Delta R.T. 0.006 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50

Tgt Ion: 59 Resp: 7620  
Ion Ratio Lower Upper  
59 100  
57 6.9 8.3 12.5#





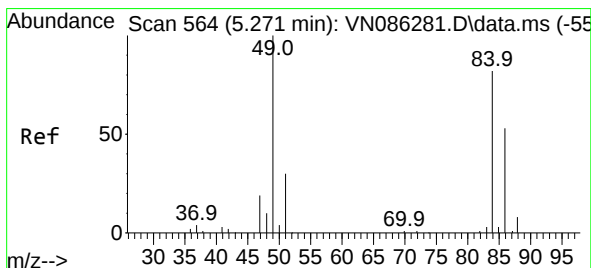
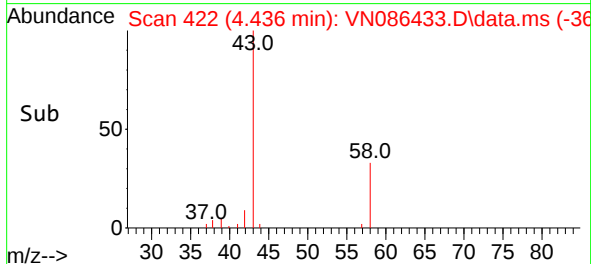
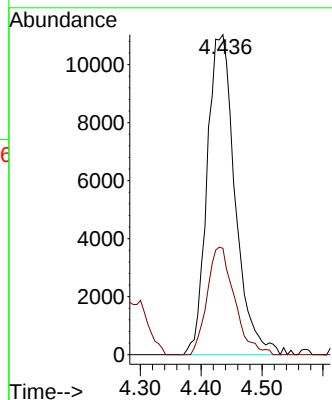
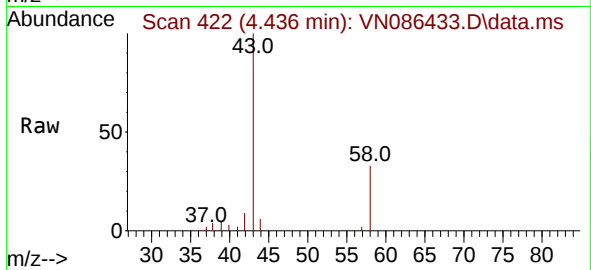
#16  
Acetone  
Concen: 40.333 ug/l  
RT: 4.436 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167775ZHE#03

Tgt Ion: 43 Resp: 3516  
Ion Ratio Lower Upper  
43 100  
58 33.3 25.3 37.9

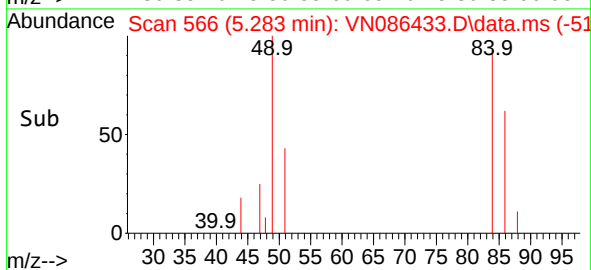
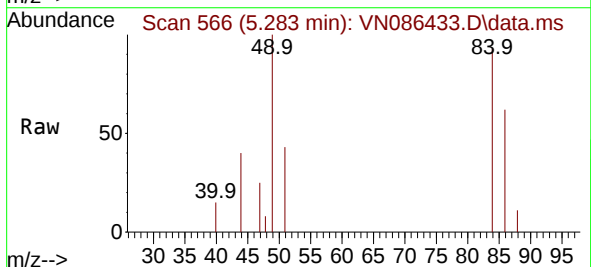
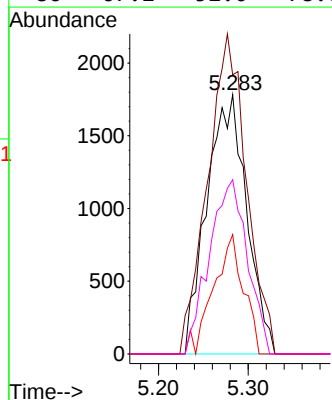
Manual Integrations  
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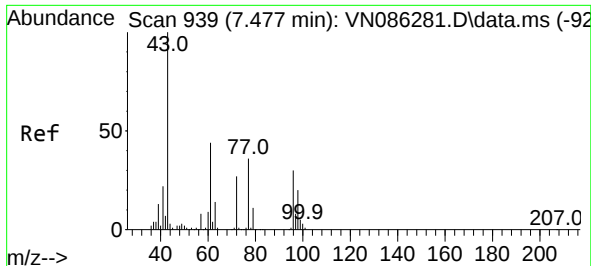
Reviewed By :John Carlone 05/02/2025  
Supervised By :Semsettin Yesilyurt 05/05/2025



#20  
Methylene Chloride  
Concen: 2.627 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. 0.012 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50

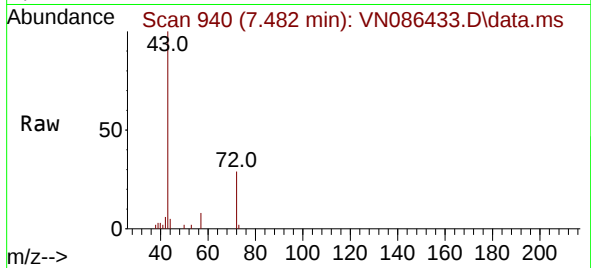
Tgt Ion: 84 Resp: 5474  
Ion Ratio Lower Upper  
84 100  
49 107.7 98.2 147.2  
51 46.1 29.8 44.6#  
86 67.2 52.0 78.0





#25  
2-Butanone  
Concen: 25.320 ug/l  
RT: 7.482 min Scan# 940  
Delta R.T. 0.006 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50

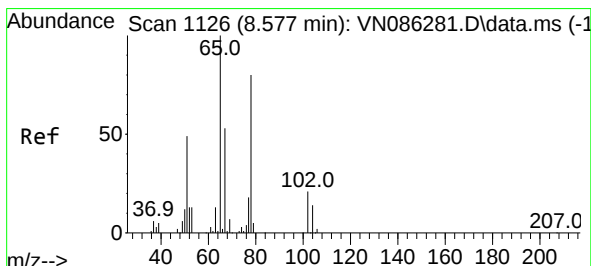
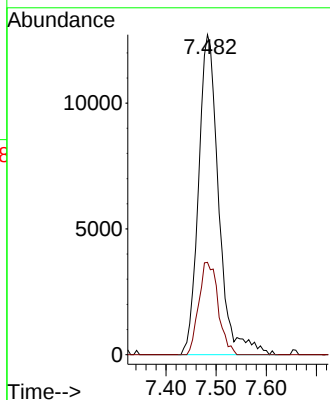
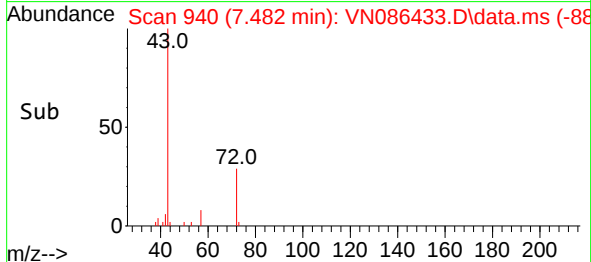
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167775ZHE#03



Tgt Ion: 43 Resp: 35524  
Ion Ratio Lower Upper  
43 100  
72 28.8 21.7 32.5

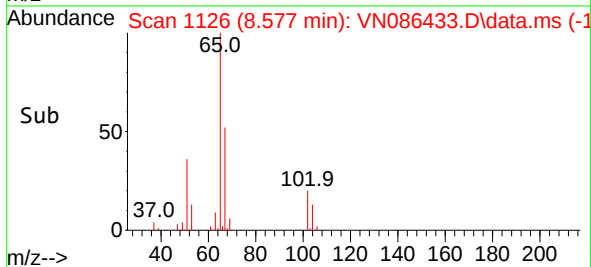
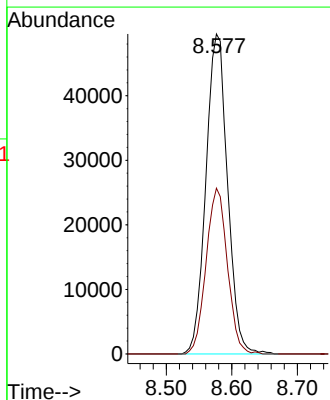
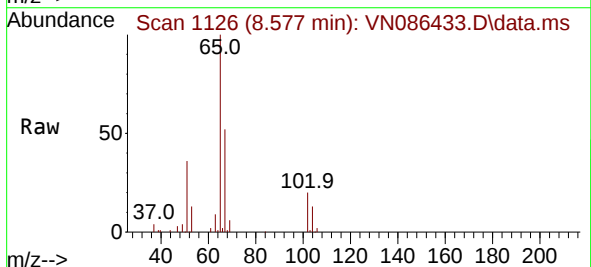
Manual Integrations  
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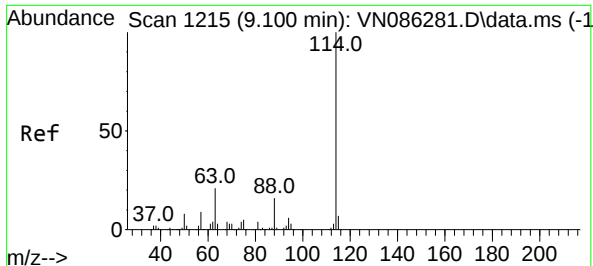
Reviewed By :John Carlone 05/02/2025  
Supervised By :Semsettin Yesilyurt 05/05/2025



#33  
1,2-Dichloroethane-d4  
Concen: 50.432 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50

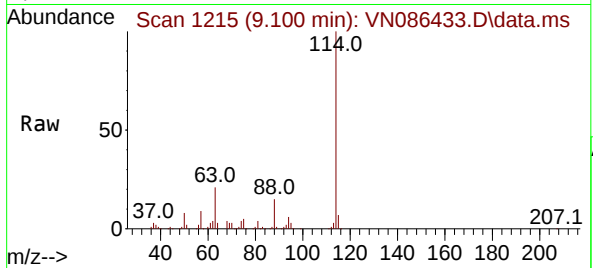
Tgt Ion: 65 Resp: 113675  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 106.0





#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. -0.000 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50

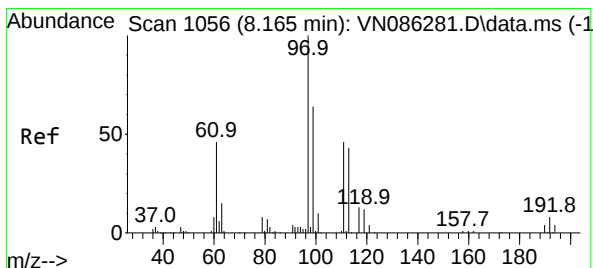
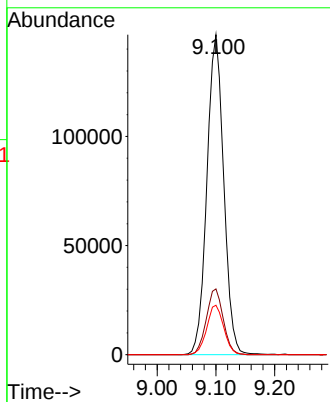
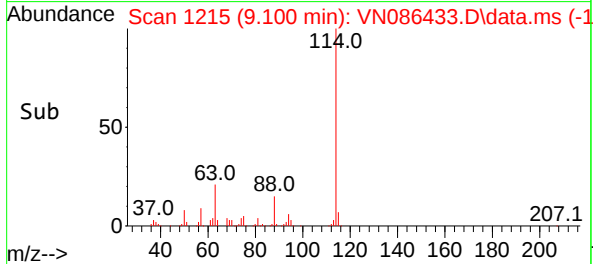
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167775ZHE#03



Tgt Ion:114 Resp: 29173  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 42.6  
88 15.5 0.0 31.8

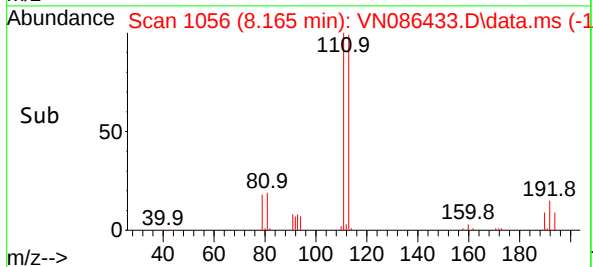
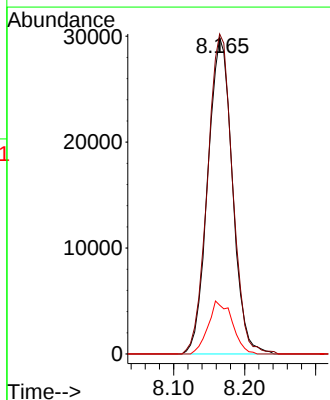
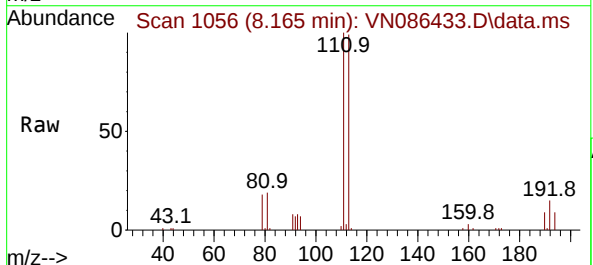
Manual Integrations  
APPROVED

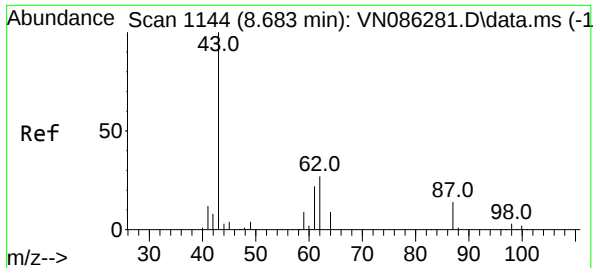
Reviewed By :John Carlone 05/02/2025  
Supervised By :Semsettin Yesilyurt 05/05/2025



#35  
Dibromofluoromethane  
Concen: 52.929 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50

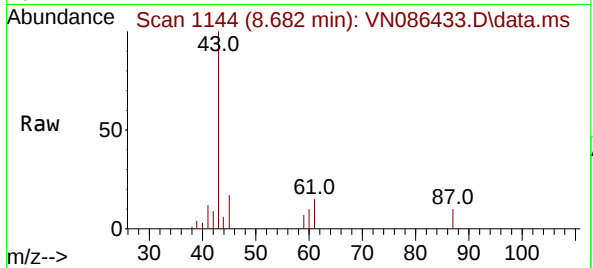
Tgt Ion:113 Resp: 71664  
Ion Ratio Lower Upper  
113 100  
111 102.7 83.4 125.0  
192 16.4 13.7 20.5





#43  
Isopropyl Acetate  
Concen: 5.030 ug/l m  
RT: 8.682 min Scan# 1144  
Delta R.T. -0.001 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50

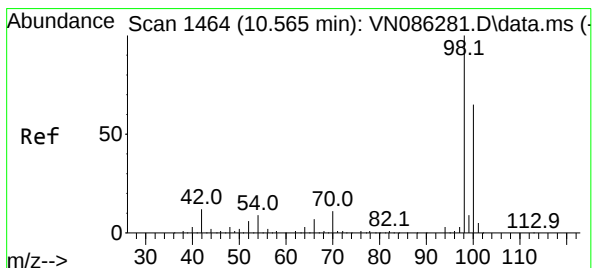
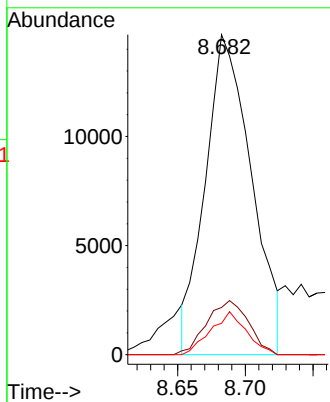
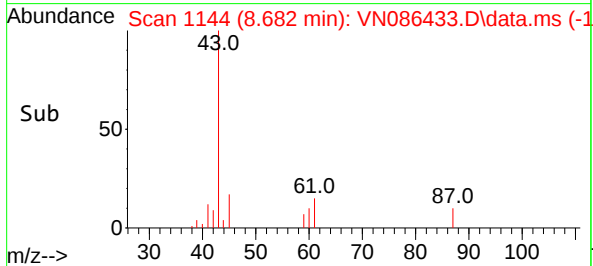
Instrument :  
MSVOA\_N  
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PB167775ZHE#03



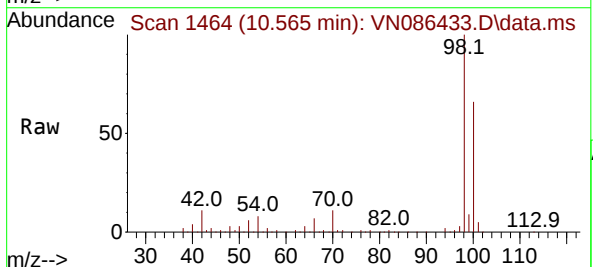
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Ion Ratio Lower Upper  
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Manual Integrations  
APPROVED

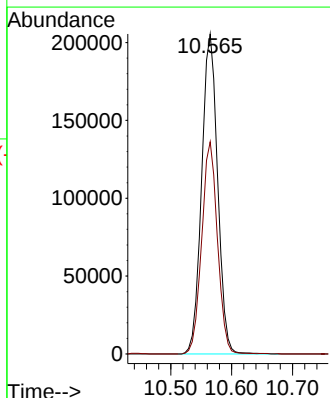
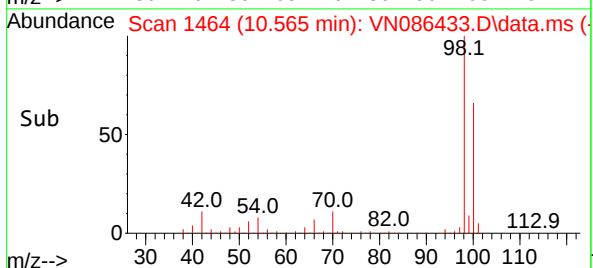
Reviewed By :John Carlone 05/02/2025  
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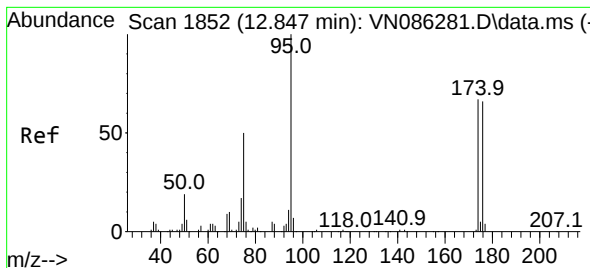


#50  
Toluene-d8  
Concen: 51.643 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50



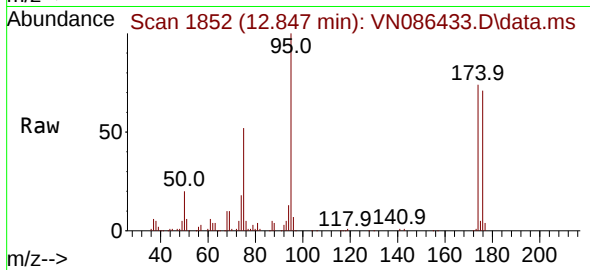
Tgt Ion: 98 Resp: 373699  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.5 78.7





#62  
4-Bromofluorobenzene  
Concen: 48.334 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50

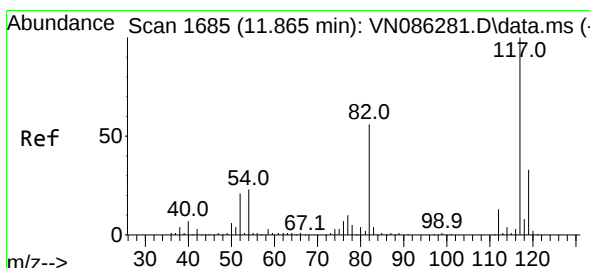
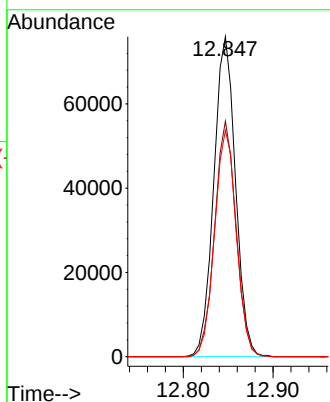
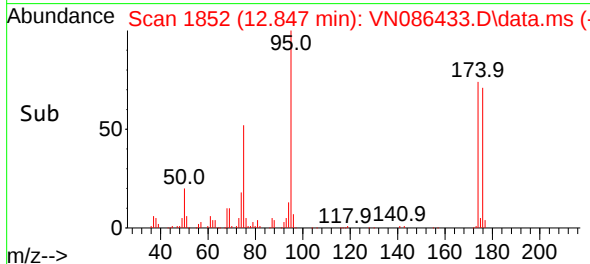
Instrument :  
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ClientSampleId :  
PB167775ZHE#03



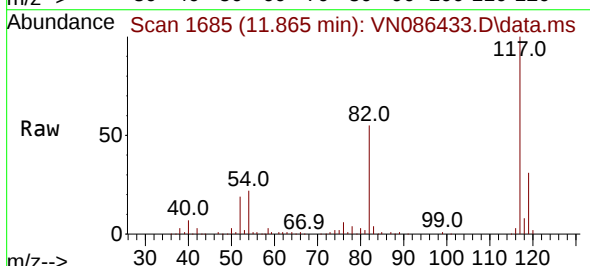
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Ion Ratio Lower Upper  
95 100  
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Manual Integrations  
APPROVED

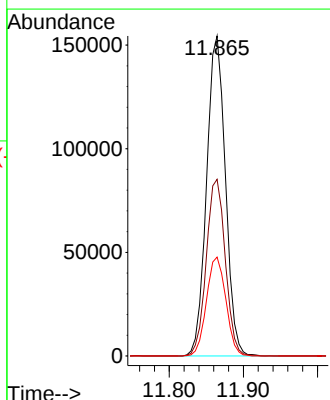
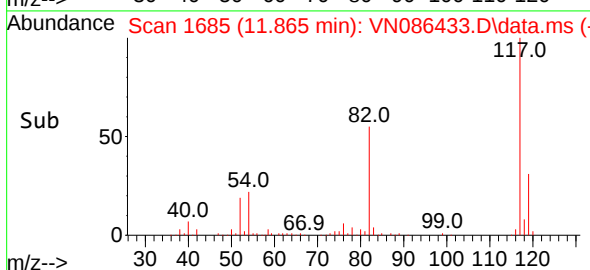
Reviewed By :John Carlone 05/02/2025  
Supervised By :Semsettin Yesilyurt 05/05/2025

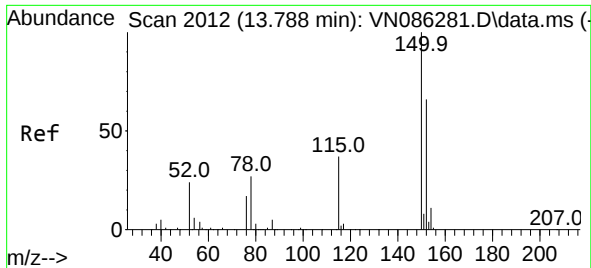


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN086433.D  
Acq: 30 Apr 2025 13:50



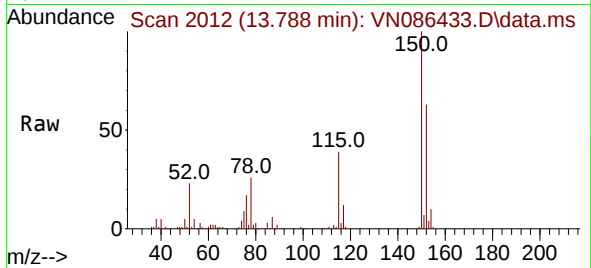
Tgt Ion:117 Resp: 272591  
Ion Ratio Lower Upper  
117 100  
82 55.2 44.7 67.1  
119 30.9 26.4 39.6





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN086433.D  
 Acq: 30 Apr 2025 13:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB167775ZHE#03



Tgt Ion:152 Resp: 112524  
 Ion Ratio Lower Upper  
 152 100  
 115 62.6 31.9 95.9  
 150 160.9 0.0 352.0

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