

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091024\  
 Data File : VN083780.D  
 Acq On : 11 Sep 2024 08:26  
 Operator : JC\MD  
 Sample : PB163204ZHE#10  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB163204ZHE#10

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 09/11/2024  
 Supervised By :Semsettin Yesilyurt 09/11/2024

Quant Time: Sep 11 08:52:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 03:05:46 2024  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response             | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|----------------------|--------|--------|----------|
| -----                       |                |      |                      |        |        |          |
| Internal Standards          |                |      |                      |        |        |          |
| 1) Pentafluorobenzene       | 8.218          | 168  | 95732                | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 206910               | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 245786               | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 118660               | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |                      |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 95087                | 65.872 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 131.740%# |        |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 76550                | 57.791 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 115.580%  |        |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 282659               | 61.726 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 123.460%# |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 132219               | 69.983 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 139.960%# |        |        |          |
| Target Compounds            |                |      |                      |        |        |          |
|                             |                |      |                      |        | Qvalue |          |
| 16) Acetone                 | 4.430          | 43   | 37129                | 64.163 | ug/l   | 97       |
| 18) Methyl Acetate          | 5.018          | 43   | 9480                 | 6.239  | ug/l   | 94       |
| 20) Methylene Chloride      | 5.265          | 84   | 9011                 | 7.610  | ug/l   | 96       |
| 25) 2-Butanone              | 7.489          | 43   | 4147                 | 5.453  | ug/l # | 86       |
| 37) Ethyl Acetate           | 7.559          | 43   | 3531                 | 1.951  | ug/l # | 82       |
| 43) Isopropyl Acetate       | 8.688          | 43   | 275890m              | 84.127 | ug/l   |          |
| -----                       |                |      |                      |        |        |          |

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

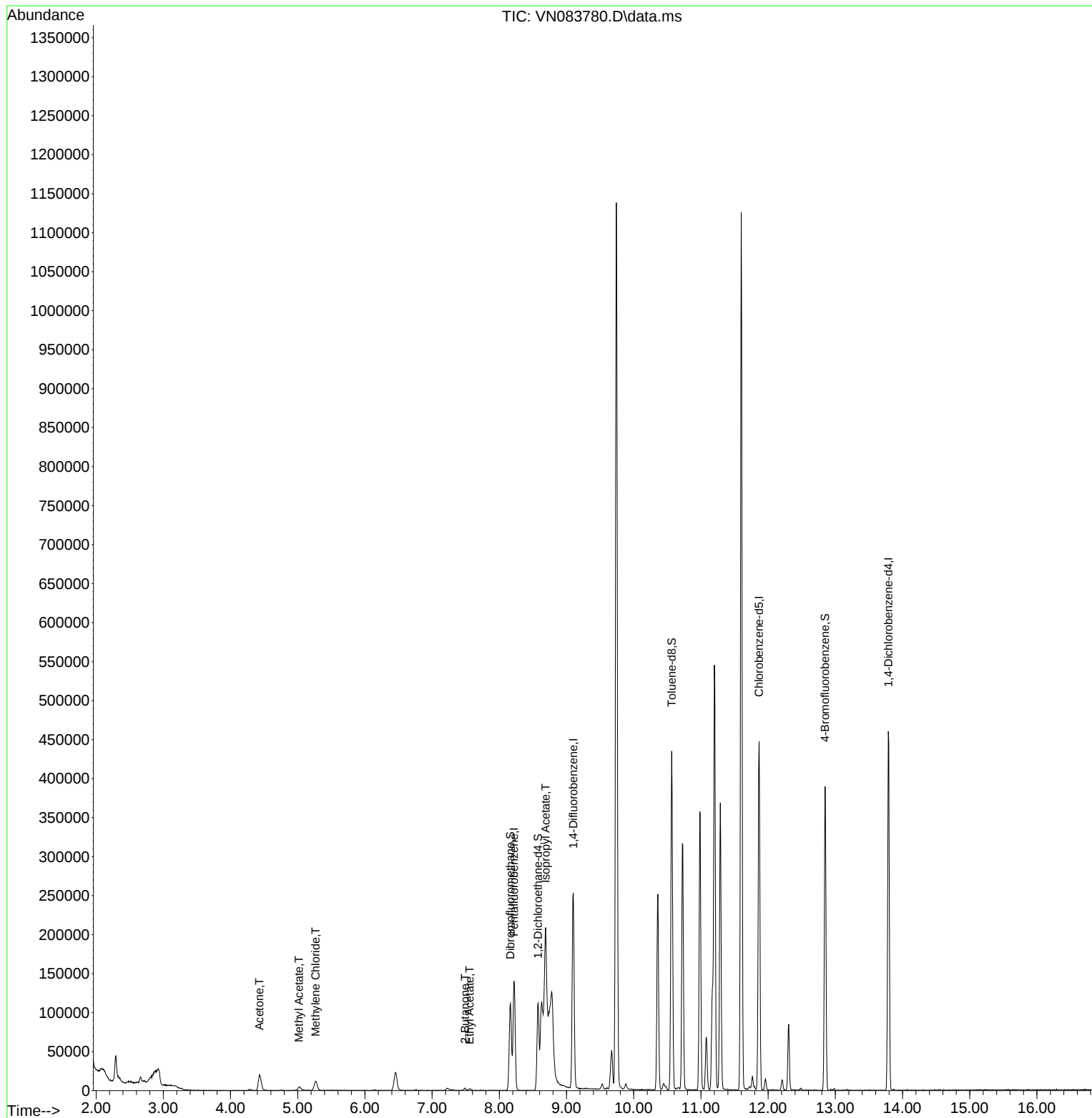
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091024\  
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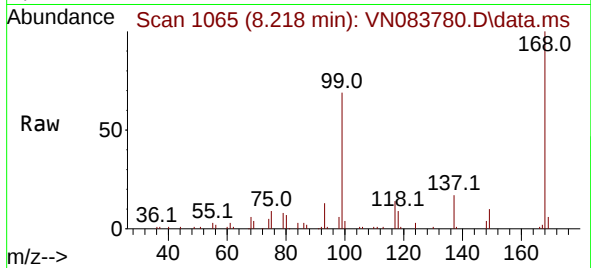
Quant Time: Sep 11 08:52:15 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 03:05:46 2024  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26

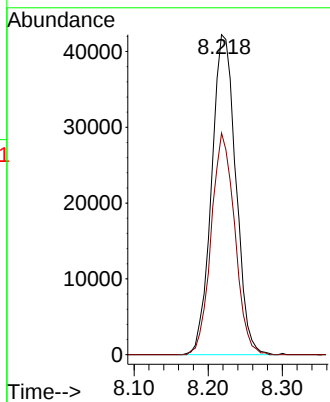
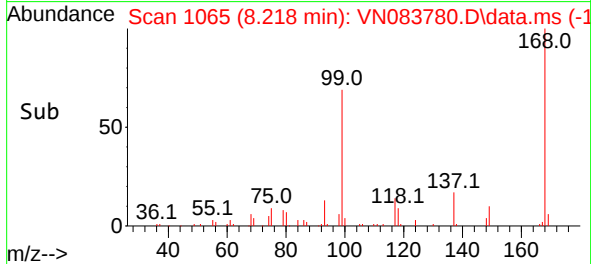
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163204ZHE#10



Tgt Ion:168 Resp: 95732  
Ion Ratio Lower Upper  
168 100  
99 69.3 54.2 81.2

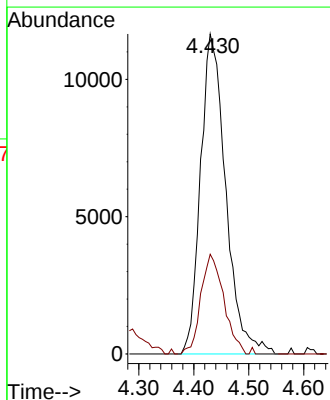
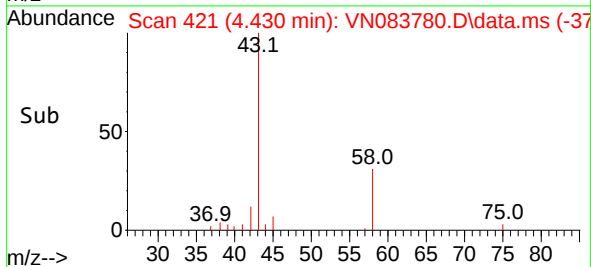
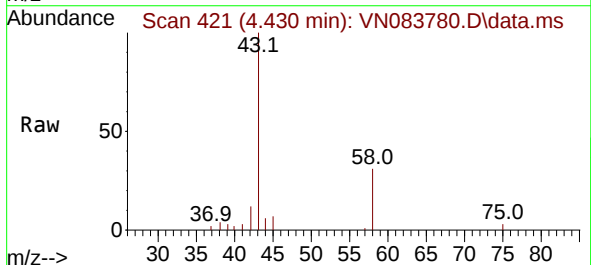
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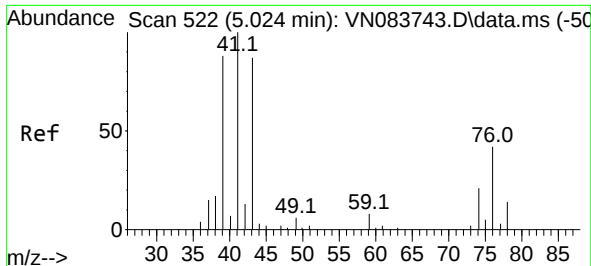
Reviewed By :John Carlone 09/11/2024  
Supervised By :Semsettin Yesilyurt 09/11/2024



#16  
Acetone  
Concen: 64.163 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.000 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26

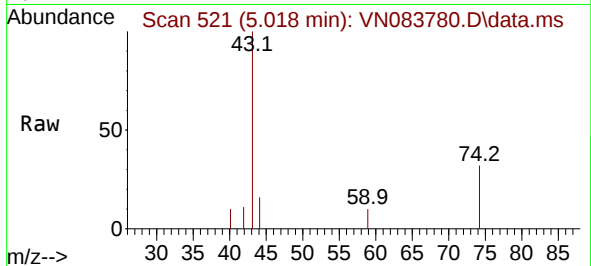
Tgt Ion: 43 Resp: 37129  
Ion Ratio Lower Upper  
43 100  
58 31.2 23.7 35.5





#18  
Methyl Acetate  
Concen: 6.239 ug/l  
RT: 5.018 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26

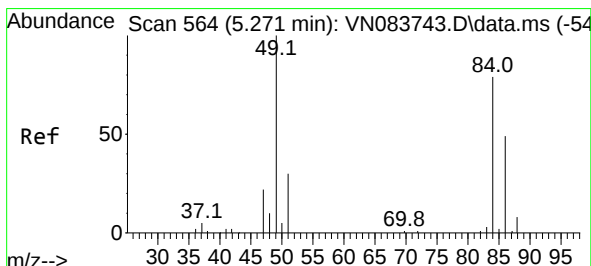
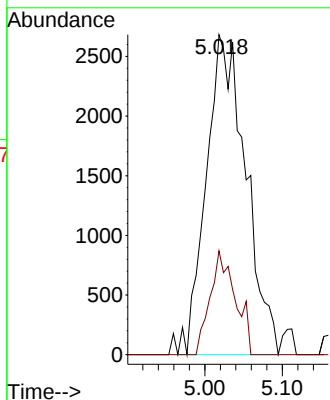
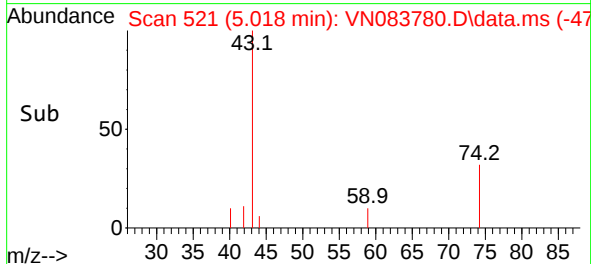
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163204ZHE#10



Tgt Ion: 43 Resp: 9480  
Ion Ratio Lower Upper  
43 100  
74 20.8 19.0 28.4

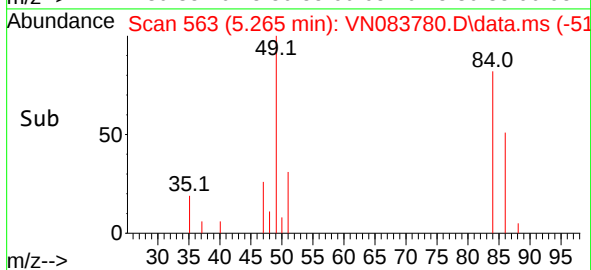
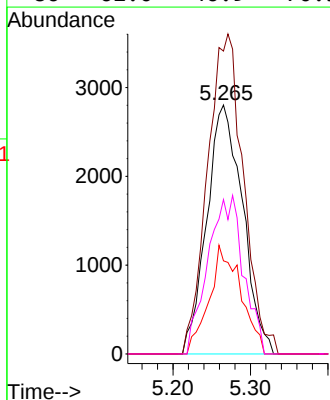
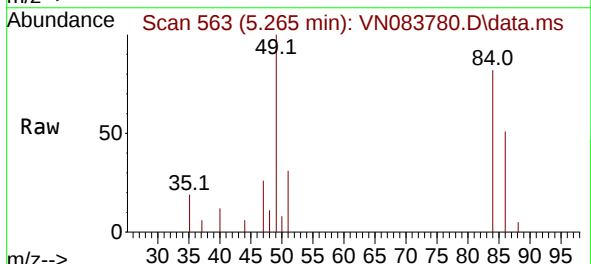
Manual Integrations  
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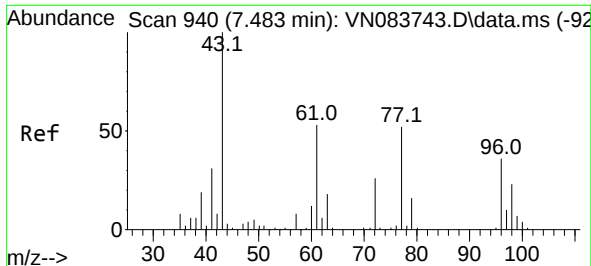
Reviewed By :John Carlone 09/11/2024  
Supervised By :Semsettin Yesilyurt 09/11/2024



#20  
Methylene Chloride  
Concen: 7.610 ug/l  
RT: 5.265 min Scan# 563  
Delta R.T. -0.006 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26

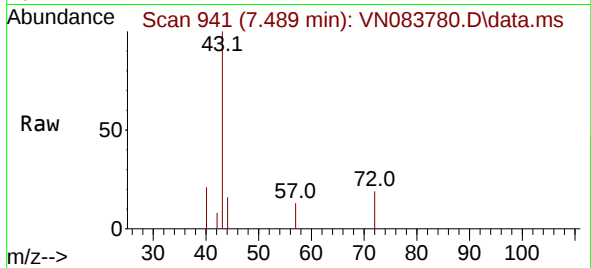
Tgt Ion: 84 Resp: 9011  
Ion Ratio Lower Upper  
84 100  
49 121.7 93.4 140.0  
51 37.4 29.2 43.8  
86 62.0 46.9 70.3





#25  
2-Butanone  
Concen: 5.453 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26

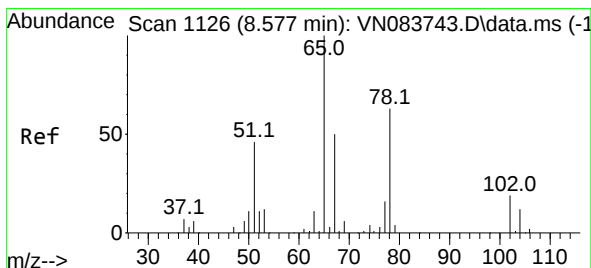
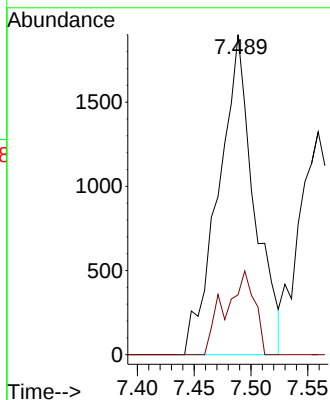
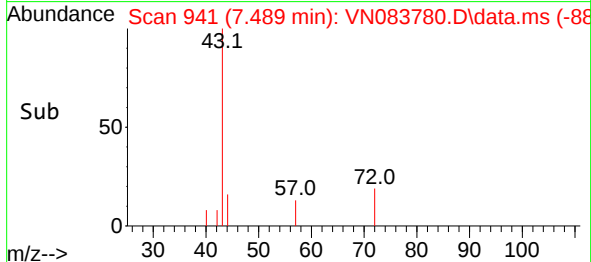
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163204ZHE#10



Tgt Ion: 43 Resp: 414  
Ion Ratio Lower Upper  
43 100  
72 18.7 20.8 31.2

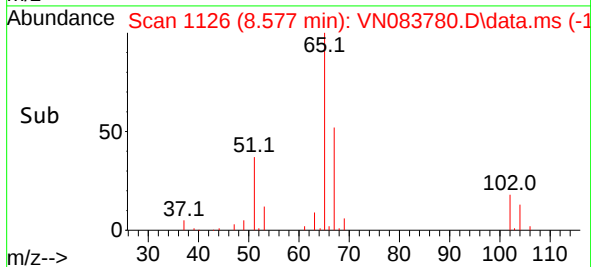
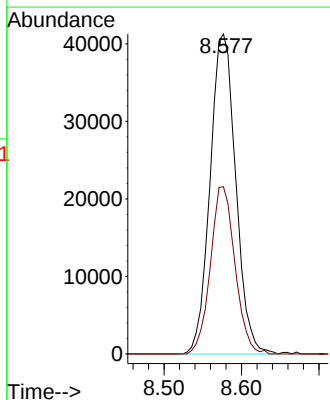
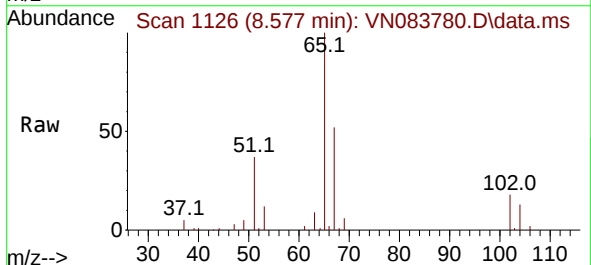
Manual Integrations  
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Reviewed By :John Carlone 09/11/2024  
Supervised By :Semsettin Yesilyurt 09/11/2024



#33  
1,2-Dichloroethane-d4  
Concen: 65.872 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26

Tgt Ion: 65 Resp: 95087  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083780.D

Acq: 11 Sep 2024 08:26

Instrument :

MSVOA\_N

ClientSampleId :

PB163204ZHE#10

Tgt Ion:114 Resp: 206910

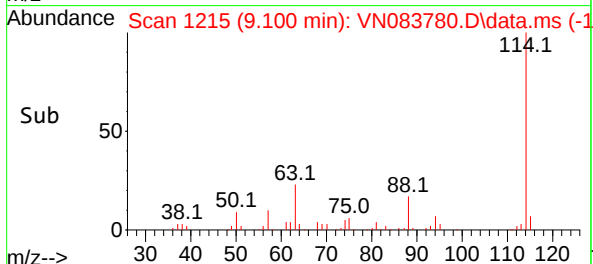
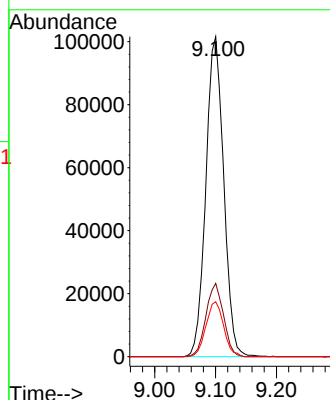
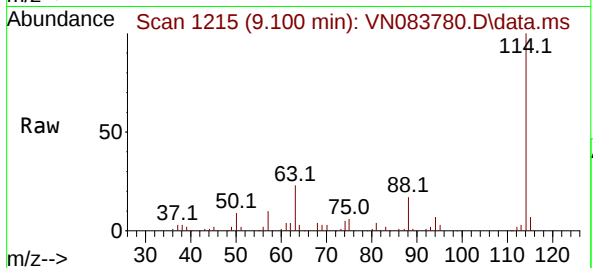
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 22.9  | 0.0   | 43.4  |
| 88  | 17.2  | 0.0   | 32.6  |

Manual Integrations

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#35

Dibromofluoromethane

Concen: 57.791 ug/l

RT: 8.165 min Scan# 1056

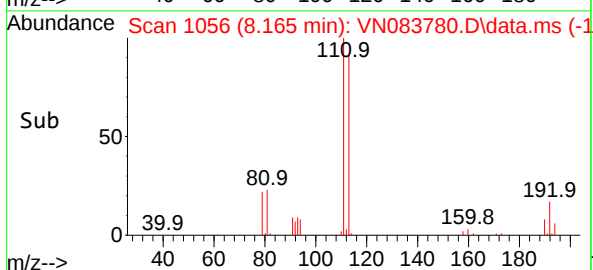
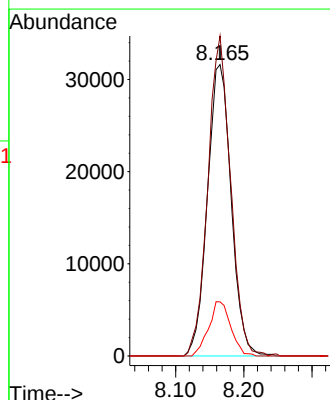
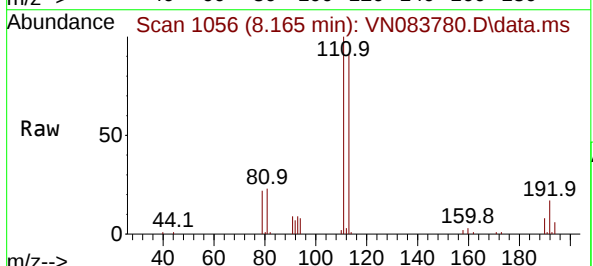
Delta R.T. 0.000 min

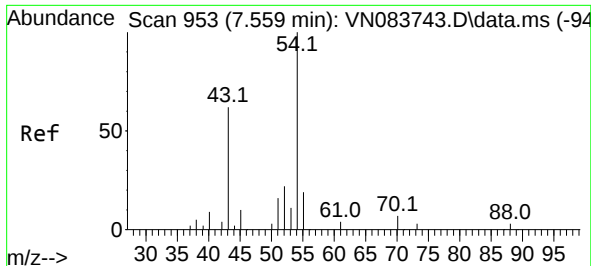
Lab File: VN083780.D

Acq: 11 Sep 2024 08:26

Tgt Ion:113 Resp: 76550

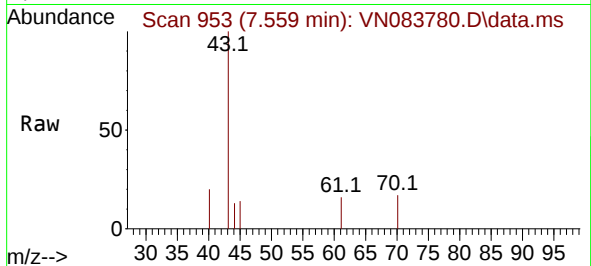
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 105.0 | 82.6  | 124.0 |
| 192 | 17.4  | 14.3  | 21.5  |





#37  
Ethyl Acetate  
Concen: 1.951 ug/l  
RT: 7.559 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26

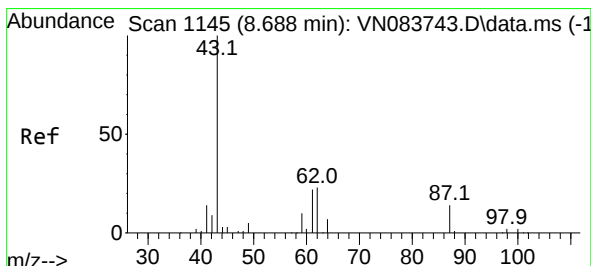
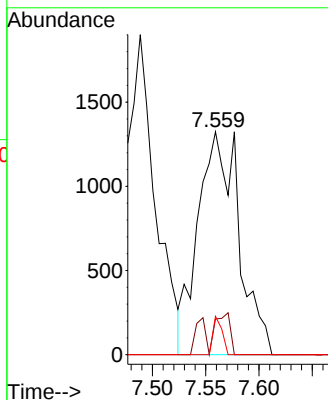
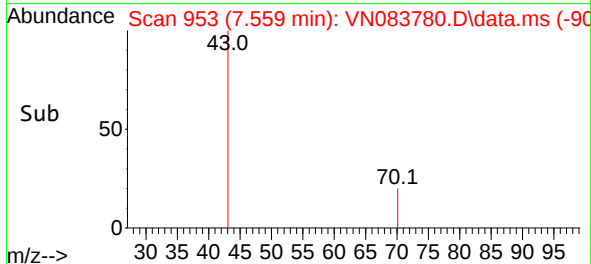
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163204ZHE#10



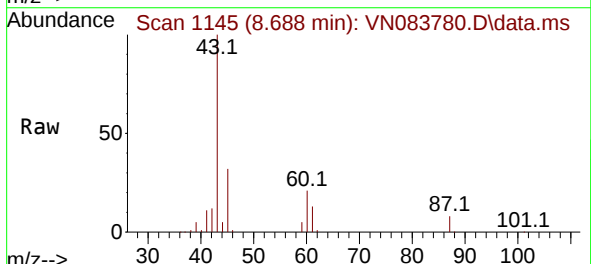
Tgt Ion: 43 Resp: 353  
Ion Ratio Lower Upper  
43 100  
61 6.8 11.1 16.7  
70 3.8 8.8 13.2

Manual Integrations  
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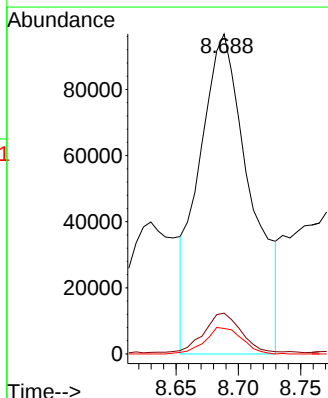
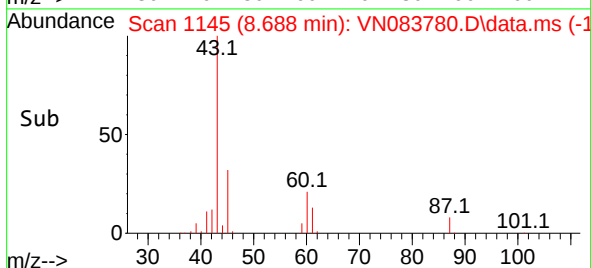
Reviewed By :John Carlone 09/11/2024  
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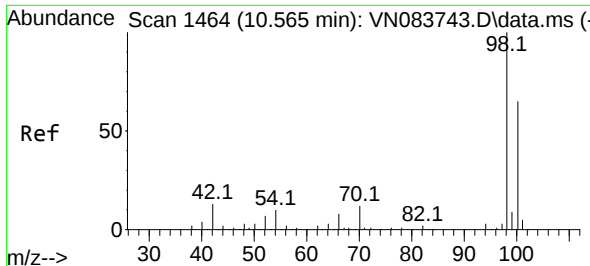


#43  
Isopropyl Acetate  
Concen: 84.127 ug/l m  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26



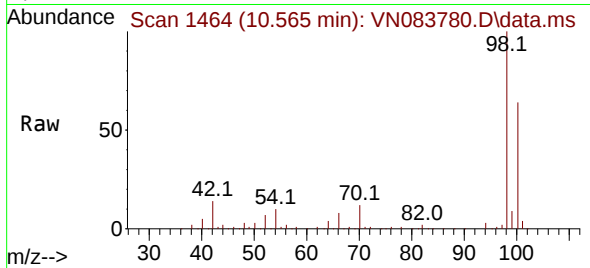
Tgt Ion: 43 Resp: 275890  
Ion Ratio Lower Upper  
43 100  
61 10.1 19.4 29.0#  
87 6.0 9.8 14.6#





#50  
Toluene-d8  
Concen: 61.726 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26

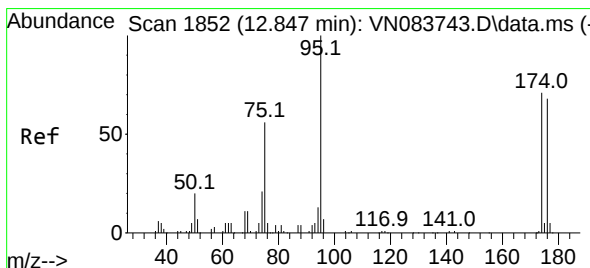
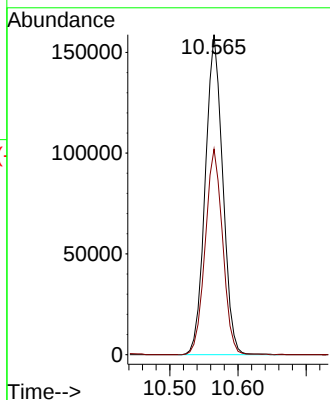
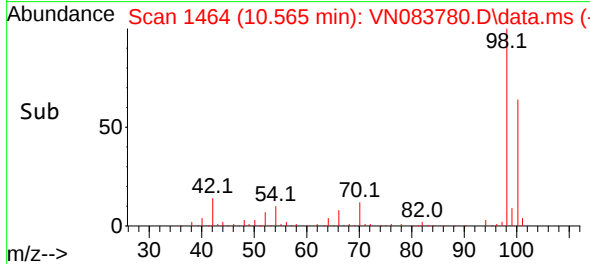
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PB163204ZHE#10



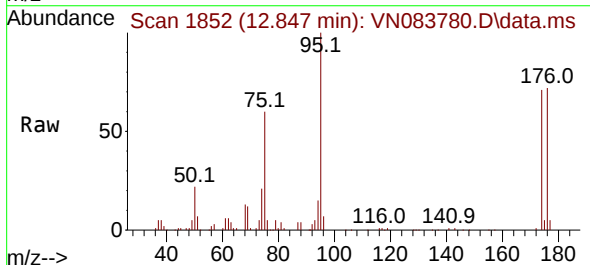
Tgt Ion: 98 Resp: 282659  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.0 78.0

Manual Integrations  
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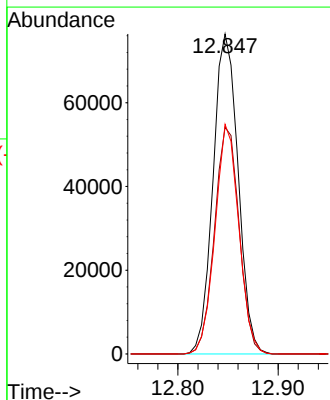
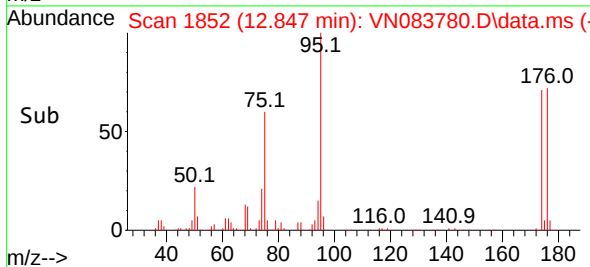
Reviewed By :John Carlone 09/11/2024  
Supervised By :Semsettin Yesilyurt 09/11/2024

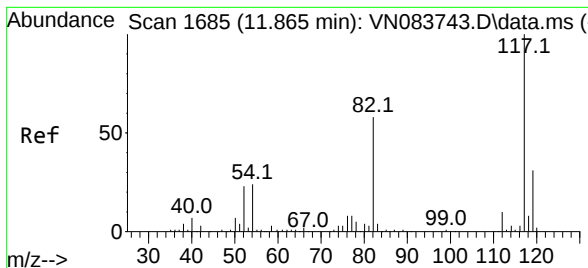


#62  
4-Bromofluorobenzene  
Concen: 69.983 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26



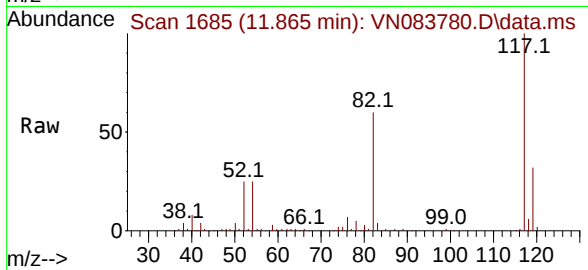
Tgt Ion: 95 Resp: 132219  
Ion Ratio Lower Upper  
95 100  
174 69.8 0.0 139.8  
176 68.4 0.0 131.4





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26

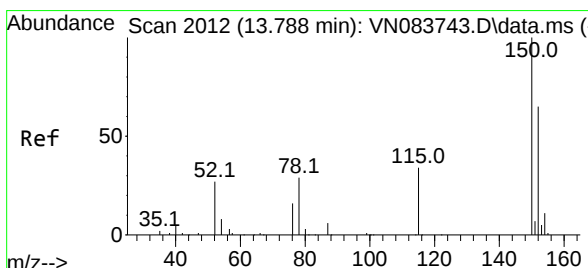
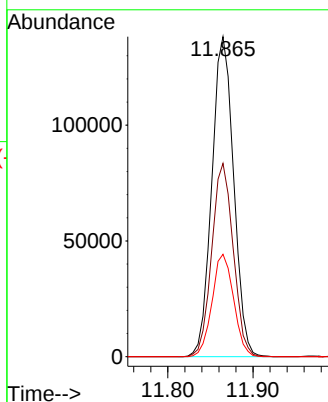
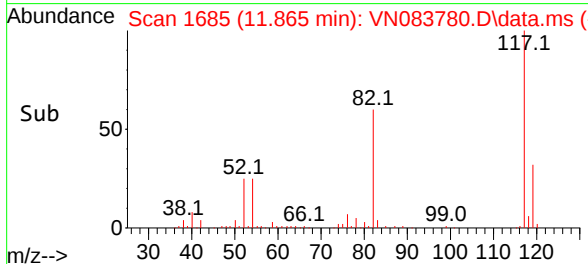
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163204ZHE#10



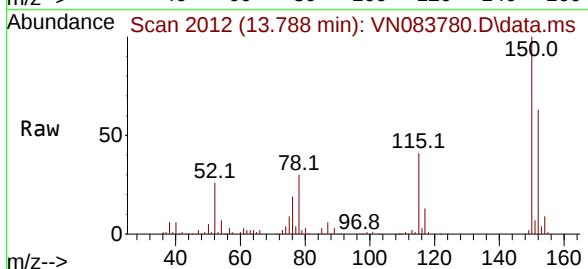
Tgt Ion:117 Resp: 245780  
Ion Ratio Lower Upper  
117 100  
82 60.4 47.4 71.0  
119 32.0 26.3 39.5

Manual Integrations  
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Supervised By :Semsettin Yesilyurt 09/11/2024



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN083780.D  
Acq: 11 Sep 2024 08:26



Tgt Ion:152 Resp: 118660  
Ion Ratio Lower Upper  
152 100  
115 62.8 32.2 96.6  
150 155.7 0.0 348.6

