

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091024\  
 Data File : VN083779.D  
 Acq On : 11 Sep 2024 08:02  
 Operator : JC\MD  
 Sample : PB163204ZHE#09  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB163204ZHE#09

Manual Integrations  
 APPROVED

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

Quant Time: Sep 11 08:31:36 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       | 8.224          | 168  | 94562                | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 207422               | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 244927               | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 115256               | 50.000 | ug/l   | 0.00     |
|                             |                |      |                      |        |        |          |
| System Monitoring Compounds |                |      |                      |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 96404                | 67.611 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 135.220%# |        |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 77428                | 58.309 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 116.620%  |        |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 280801               | 61.169 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 122.340%# |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 131871               | 69.627 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 139.260%# |        |        |          |
|                             |                |      |                      |        |        |          |
| Target Compounds            |                |      |                      |        | Qvalue |          |
| 16) Acetone                 | 4.430          | 43   | 38298                | 67.002 | ug/l   | 90       |
| 18) Methyl Acetate          | 5.030          | 43   | 9531                 | 6.384  | ug/l   | 96       |
| 20) Methylene Chloride      | 5.271          | 84   | 8753                 | 7.483  | ug/l # | 79       |
| 25) 2-Butanone              | 7.483          | 43   | 4461                 | 5.938  | ug/l # | 74       |
| 43) Isopropyl Acetate       | 8.688          | 43   | 275997m              | 83.952 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone    | 10.453         | 43   | 9205                 | 5.144  | ug/l # | 72       |
| -----                       |                |      |                      |        |        |          |

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

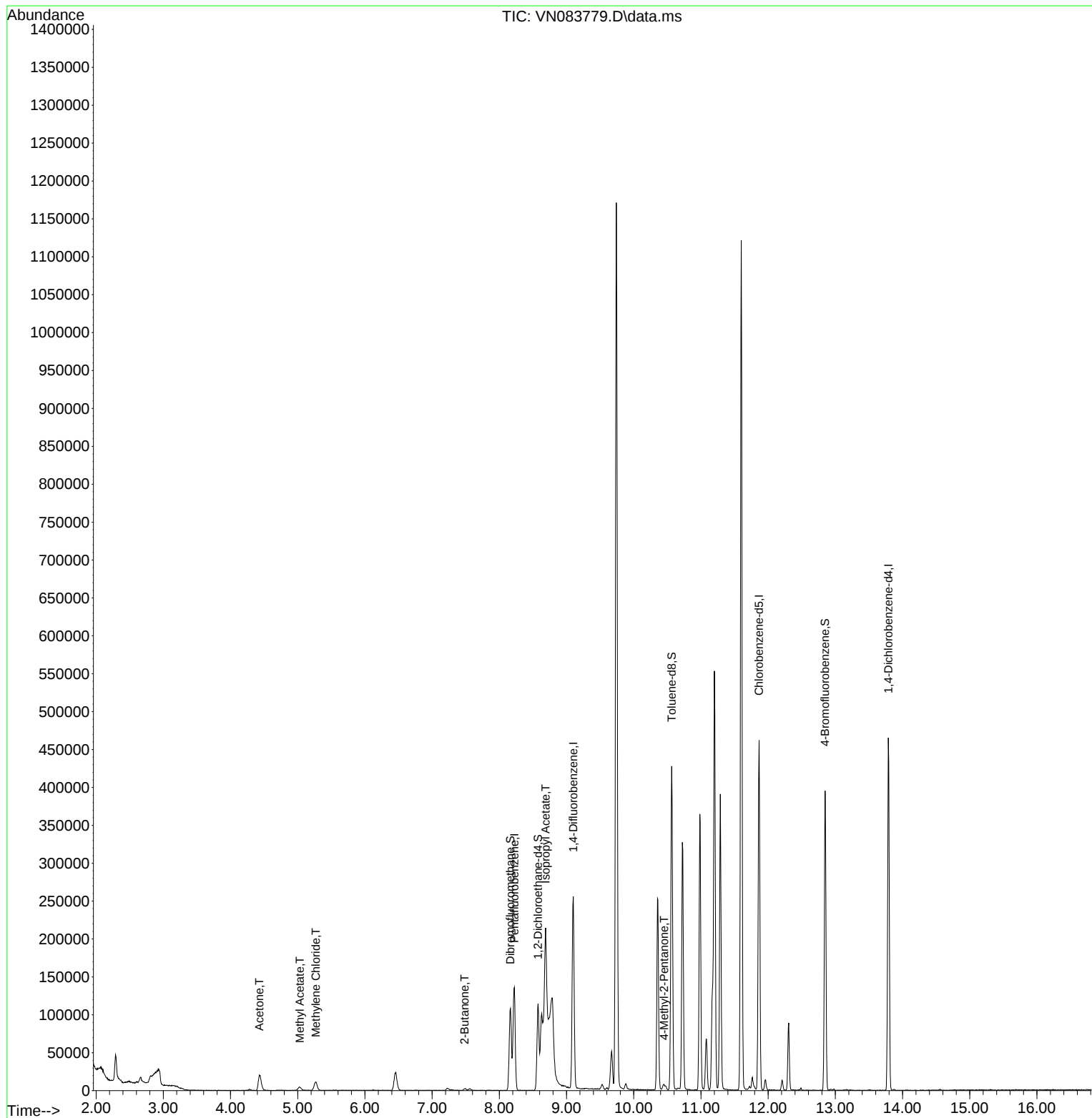
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091024\  
Data File : VN083779.D  
Acq On : 11 Sep 2024 08:02  
Operator : JC\MD  
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PB163204ZHE#09

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Supervised By :Semsettin Yesilyurt 09/11/2024

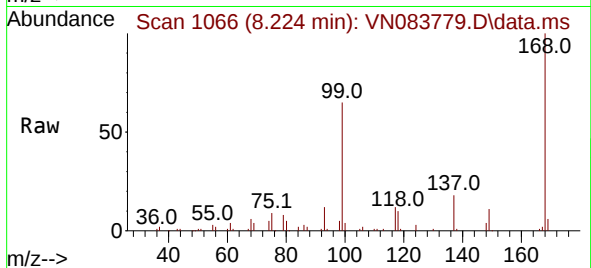
Quant Time: Sep 11 08:31:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 03:05:46 2024  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083779.D  
Acq: 11 Sep 2024 08:02

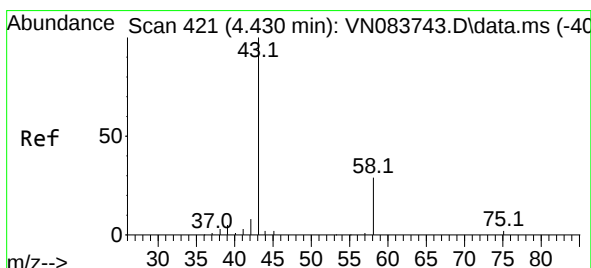
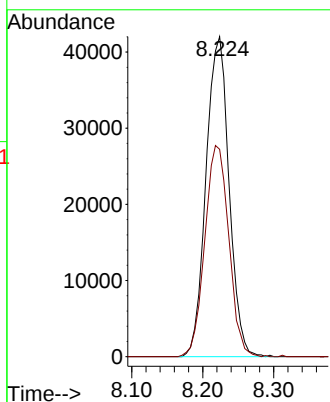
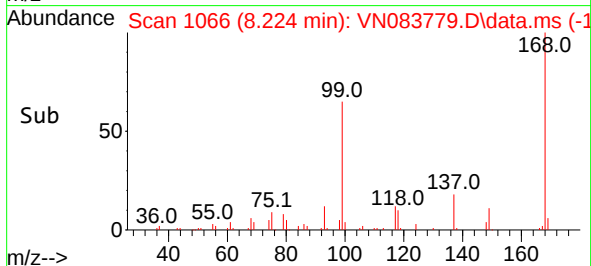
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163204ZHE#09



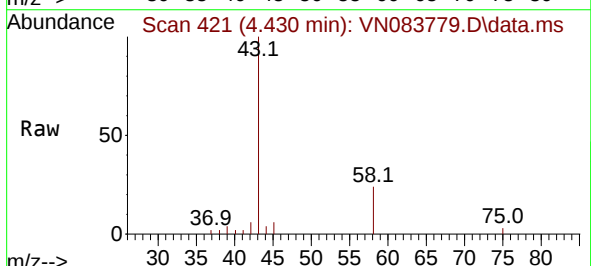
Tgt Ion:168 Resp: 94562  
Ion Ratio Lower Upper  
168 100  
99 64.8 54.2 81.2

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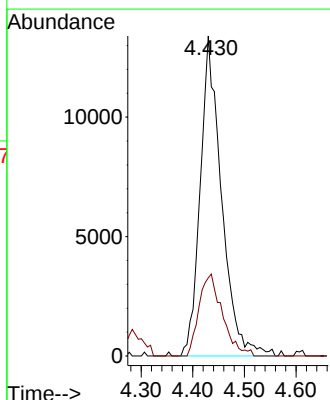
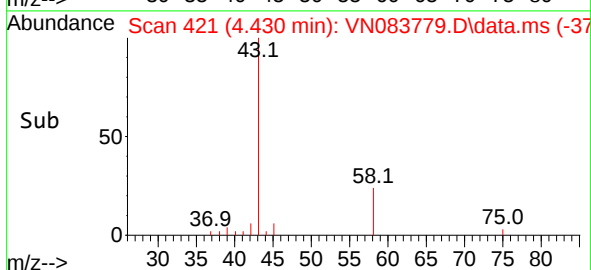
Reviewed By :John Carlone 09/11/2024  
Supervised By :Semsettin Yesilyurt 09/11/2024

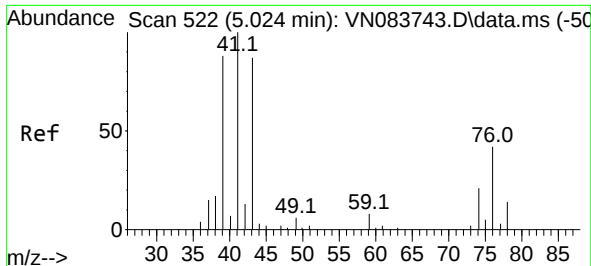


#16  
Acetone  
Concen: 67.002 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.000 min  
Lab File: VN083779.D  
Acq: 11 Sep 2024 08:02



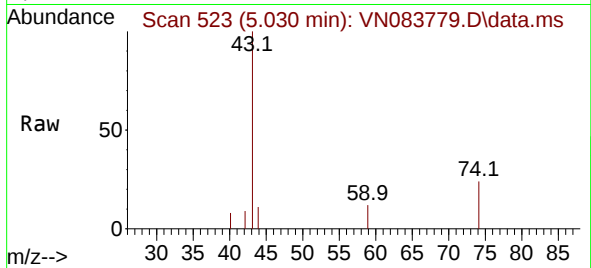
Tgt Ion: 43 Resp: 38298  
Ion Ratio Lower Upper  
43 100  
58 24.4 23.7 35.5





#18  
Methyl Acetate  
Concen: 6.384 ug/l  
RT: 5.030 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN083779.D  
Acq: 11 Sep 2024 08:02

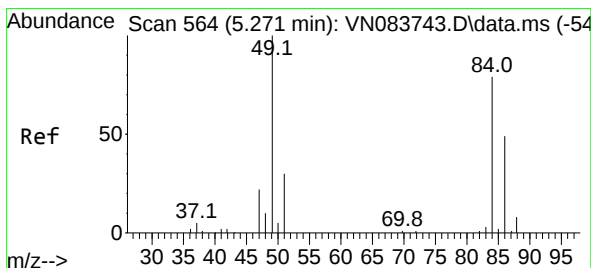
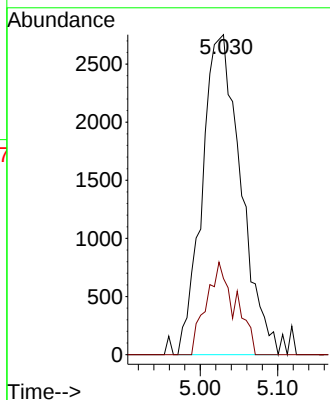
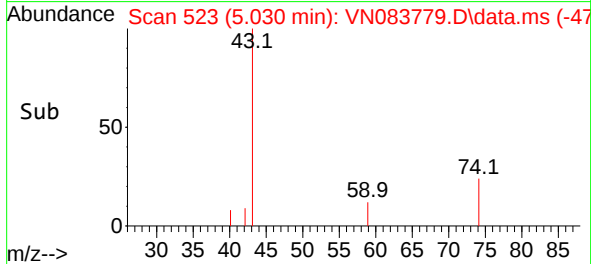
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163204ZHE#09



Tgt Ion: 43 Resp: 953  
Ion Ratio Lower Upper  
43 100  
74 21.8 19.0 28.4

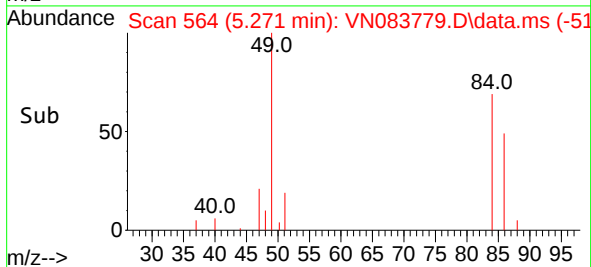
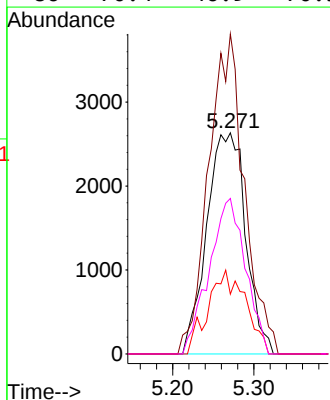
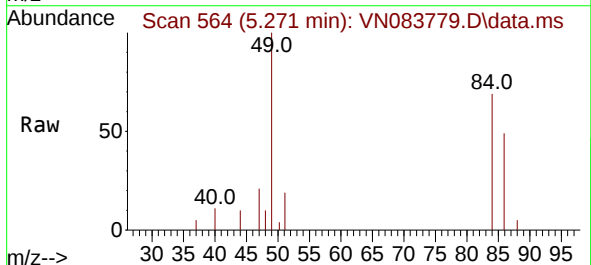
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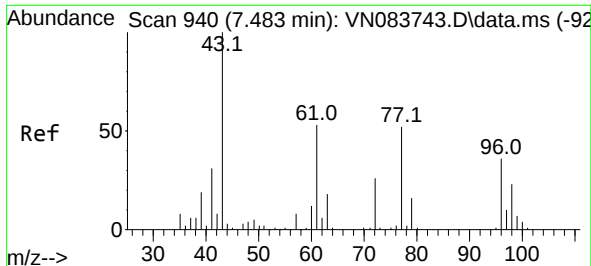
Reviewed By :John Carlone 09/11/2024  
Supervised By :Semsettin Yesilyurt 09/11/2024



#20  
Methylene Chloride  
Concen: 7.483 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. 0.000 min  
Lab File: VN083779.D  
Acq: 11 Sep 2024 08:02

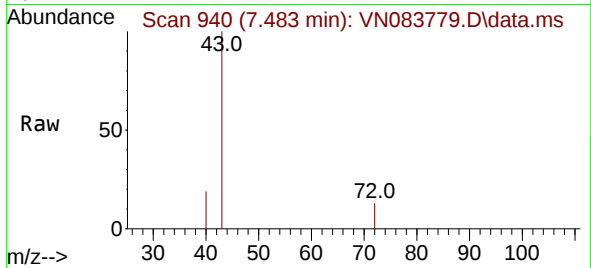
Tgt Ion: 84 Resp: 8753  
Ion Ratio Lower Upper  
84 100  
49 144.7 93.4 140.0#  
51 27.1 29.2 43.8#  
86 70.4 46.9 70.3#





#25  
2-Butanone  
Concen: 5.938 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN083779.D  
Acq: 11 Sep 2024 08:02

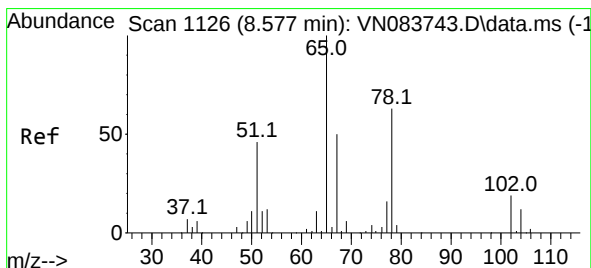
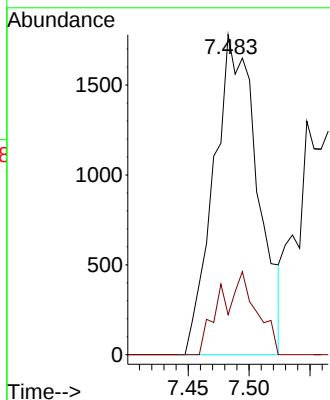
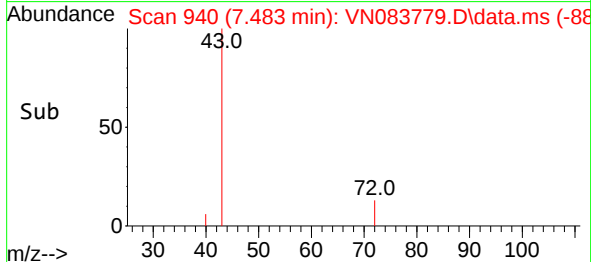
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163204ZHE#09



Tgt Ion: 43 Resp: 446  
Ion Ratio Lower Upper  
43 100  
72 12.5 20.8 31.2

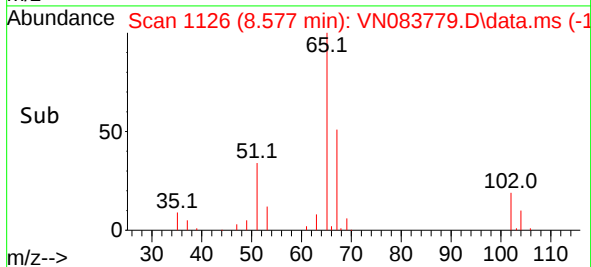
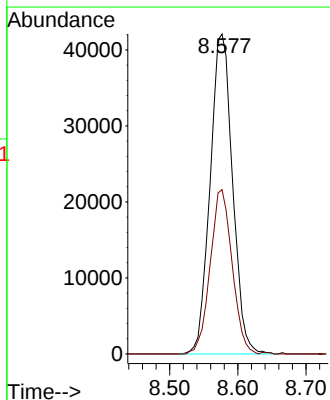
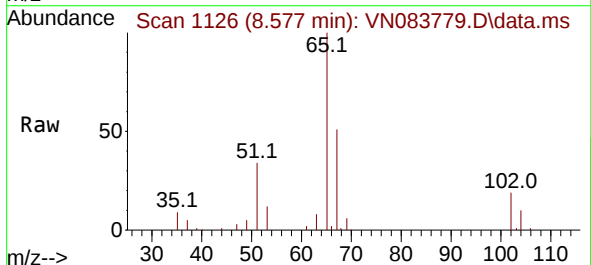
Manual Integrations  
APPROVED

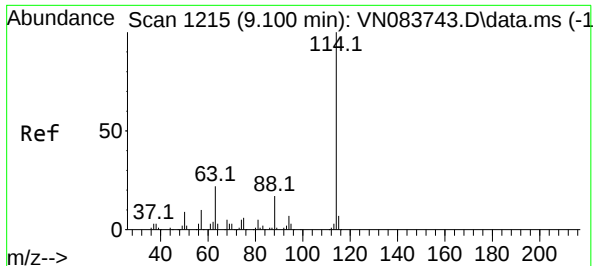
Reviewed By :John Carlone 09/11/2024  
Supervised By :Semsettin Yesilyurt 09/11/2024



#33  
1,2-Dichloroethane-d4  
Concen: 67.611 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN083779.D  
Acq: 11 Sep 2024 08:02

Tgt Ion: 65 Resp: 96404  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083779.D

Acq: 11 Sep 2024 08:02

Instrument :

MSVOA\_N

ClientSampleId :

PB163204ZHE#09

Tgt Ion:114 Resp: 20742

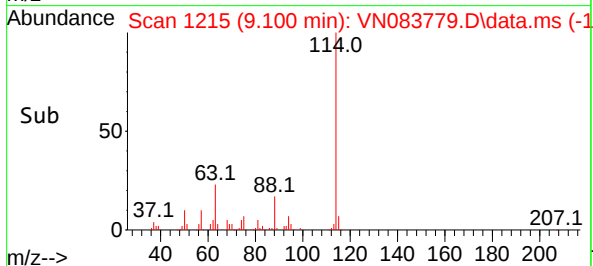
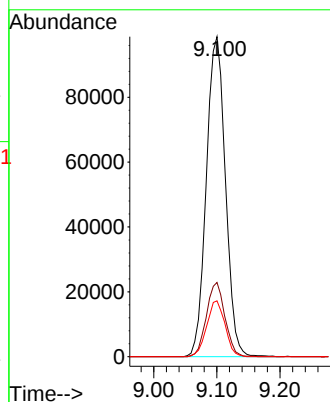
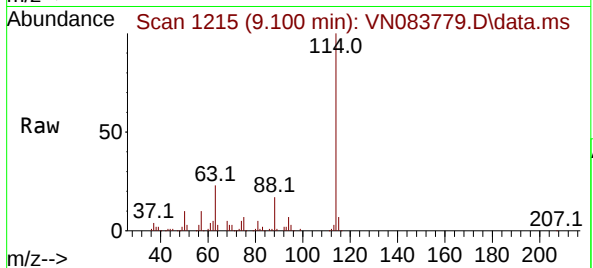
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 23.2  | 0.0   | 43.4  |
| 88  | 17.5  | 0.0   | 32.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/11/2024

Supervised By :Semsettin Yesilyurt 09/11/2024



#35

Dibromofluoromethane

Concen: 58.309 ug/l

RT: 8.165 min Scan# 1056

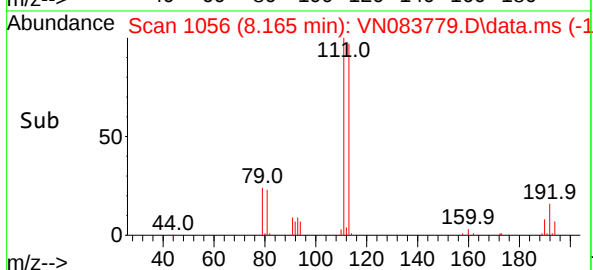
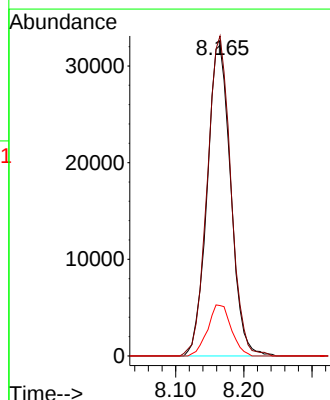
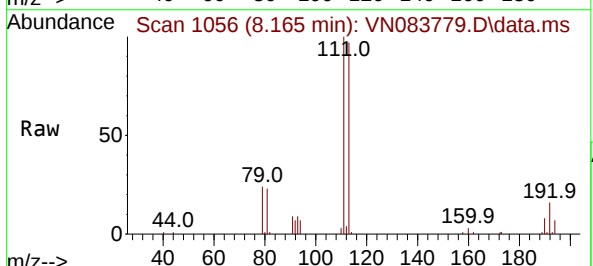
Delta R.T. 0.000 min

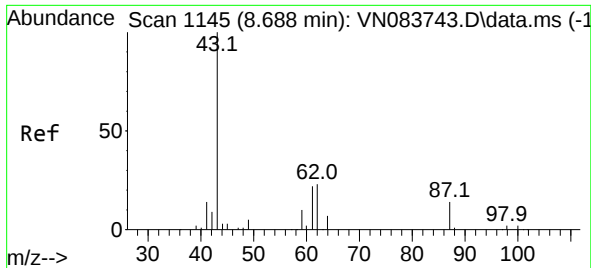
Lab File: VN083779.D

Acq: 11 Sep 2024 08:02

Tgt Ion:113 Resp: 77428

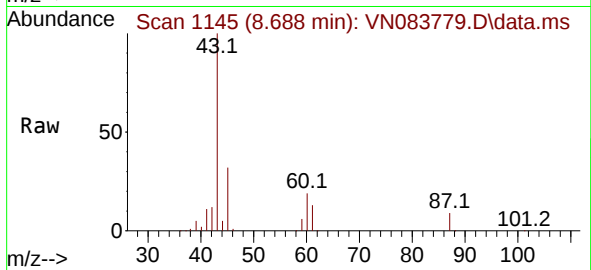
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.5 | 82.6  | 124.0 |
| 192 | 16.4  | 14.3  | 21.5  |





#43  
Isopropyl Acetate  
Concen: 83.952 ug/l m  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN083779.D  
Acq: 11 Sep 2024 08:02

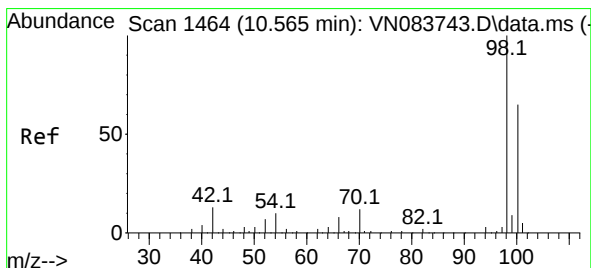
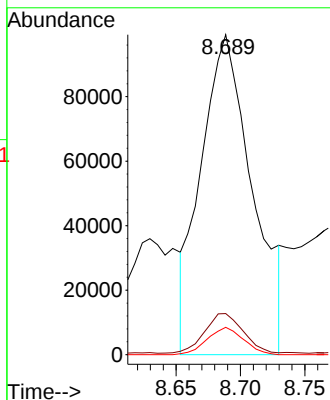
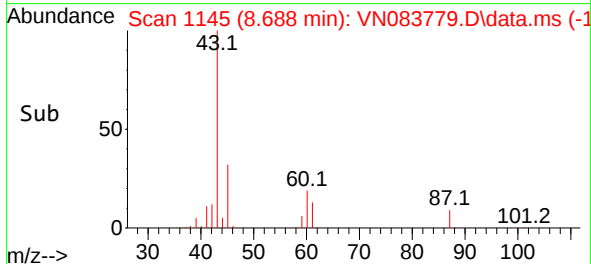
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163204ZHE#09



Tgt Ion: 43 Resp: 275997  
Ion Ratio Lower Upper  
43 100  
61 10.4 19.4 29.0  
87 6.0 9.8 14.6

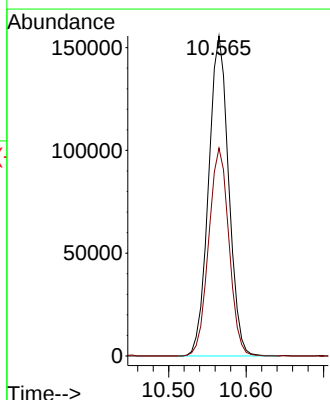
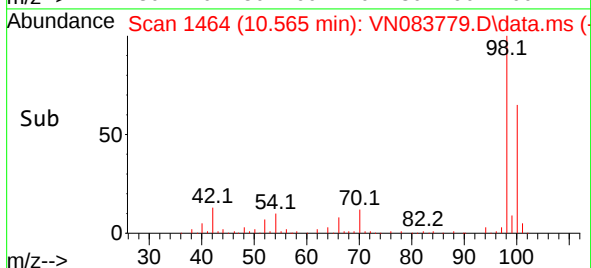
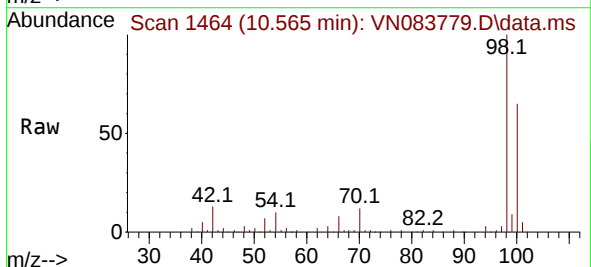
Manual Integrations  
APPROVED

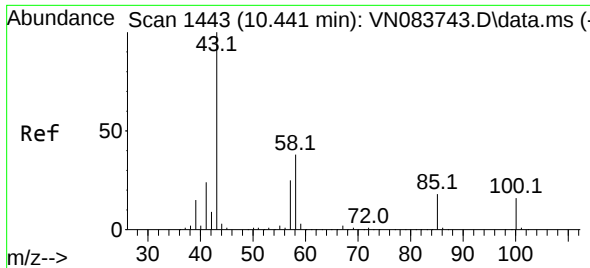
Reviewed By :John Carlone 09/11/2024  
Supervised By :Semsettin Yesilyurt 09/11/2024



#50  
Toluene-d8  
Concen: 61.169 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN083779.D  
Acq: 11 Sep 2024 08:02

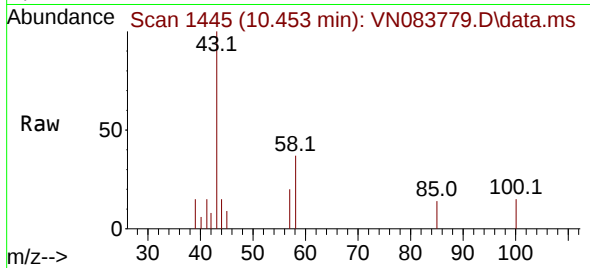
Tgt Ion: 98 Resp: 280801  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.0 78.0





#51  
4-Methyl-2-Pentanone  
Concen: 5.144 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.012 min  
Lab File: VN083779.D  
Acq: 11 Sep 2024 08:02

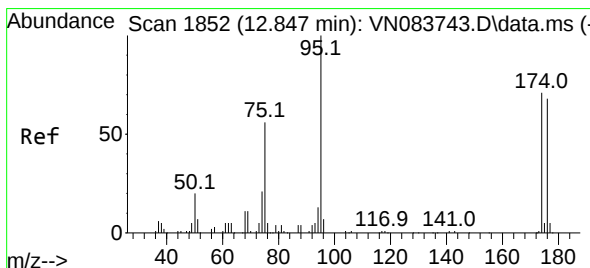
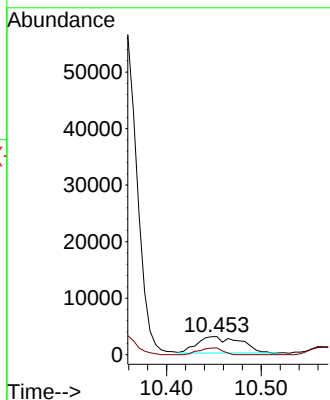
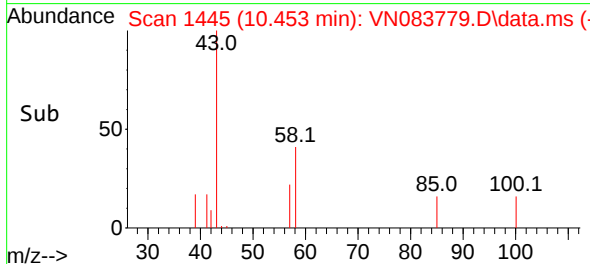
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163204ZHE#09



Tgt Ion: 43 Resp: 920  
Ion Ratio Lower Upper  
43 100  
58 22.3 31.6 47.4

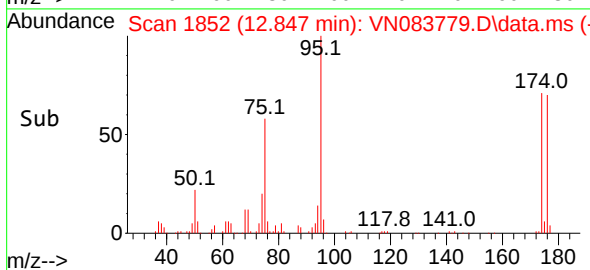
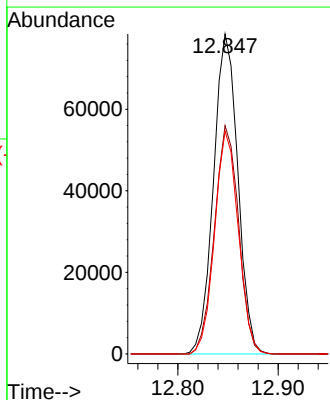
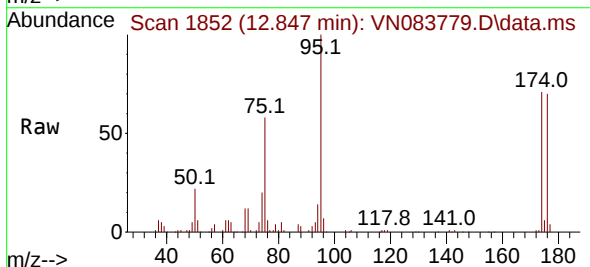
Manual Integrations  
APPROVED

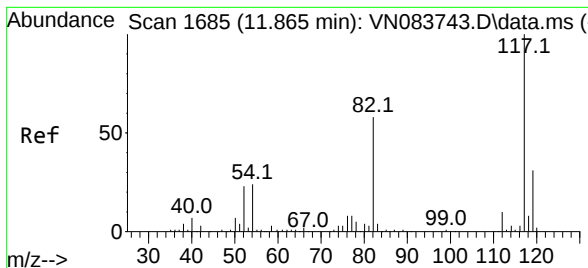
Reviewed By :John Carlone 09/11/2024  
Supervised By :Semsettin Yesilyurt 09/11/2024



#62  
4-Bromofluorobenzene  
Concen: 69.627 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083779.D  
Acq: 11 Sep 2024 08:02

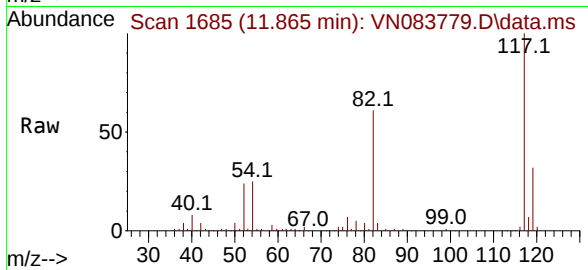
Tgt Ion: 95 Resp: 131871  
Ion Ratio Lower Upper  
95 100  
174 70.6 0.0 139.8  
176 68.0 0.0 131.4





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN083779.D  
Acq: 11 Sep 2024 08:02

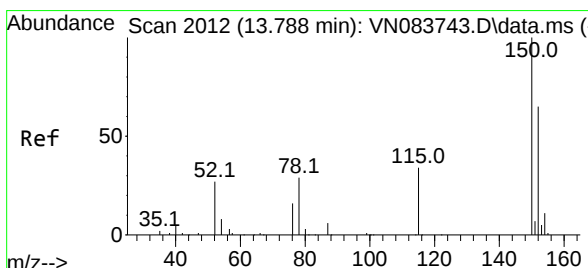
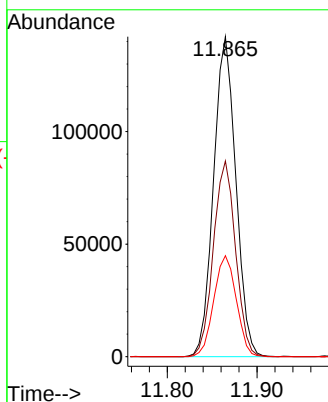
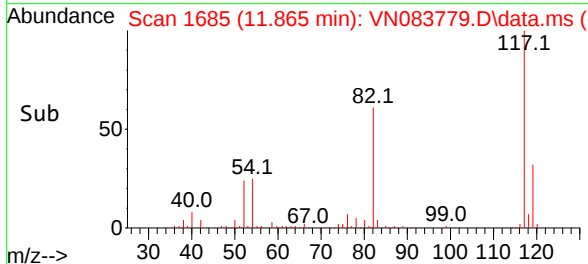
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB163204ZHE#09



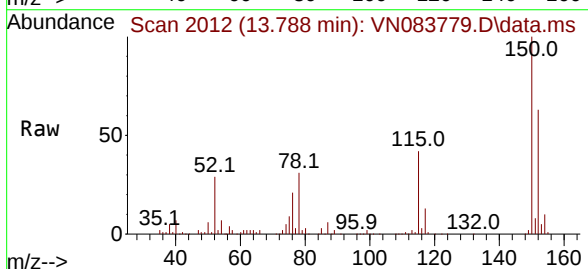
Tgt Ion:117 Resp: 24492  
Ion Ratio Lower Upper  
117 100  
82 61.1 47.4 71.0  
119 31.5 26.3 39.5

Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/11/2024  
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: VN083779.D  
Acq: 11 Sep 2024 08:02



Tgt Ion:152 Resp: 115256  
Ion Ratio Lower Upper  
152 100  
115 65.0 32.2 96.6  
150 159.9 0.0 348.6

