

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120624\  
 Data File : VN085137.D  
 Acq On : 06 Dec 2024 19:15  
 Operator : JC\MD  
 Sample : P5044-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OUTFALL-DSN-001

Quant Time: Dec 06 23:13:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Dec 06 22:50:42 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024  
 Supervised By :Semsettin Yesilyurt 12/09/2024

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Bromochloromethane       | 7.818  | 128   | 28468    | 30.000   | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.100  | 114   | 135463   | 30.000   | ug/l  | 0.00     |
| 57) Chlorobenzene-d5        | 11.865 | 117   | 125958   | 30.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 27) 1,2-Dichloroethane-d4   | 8.577  | 65    | 68242    | 30.211   | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =     | 100.700% |
| 60) 4-Bromofluorobenzene    | 12.847 | 95    | 51175    | 24.555   | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =     | 81.833%  |
| 63) Toluene-d8              | 10.565 | 98    | 167117   | 28.284   | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =     | 94.267%  |
| Target Compounds            |        |       |          |          |       |          |
| 15) Acetone                 | 4.424  | 58    | 29638    | 128.781  | ug/l  | 98       |
| 25) Chloroform              | 7.965  | 83    | 44991    | 12.781   | ug/l  | 97       |
| 41) Bromodichloromethane    | 9.888  | 83    | 3841m    | 1.506    | ug/l  |          |
| -----                       |        |       |          |          |       |          |

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

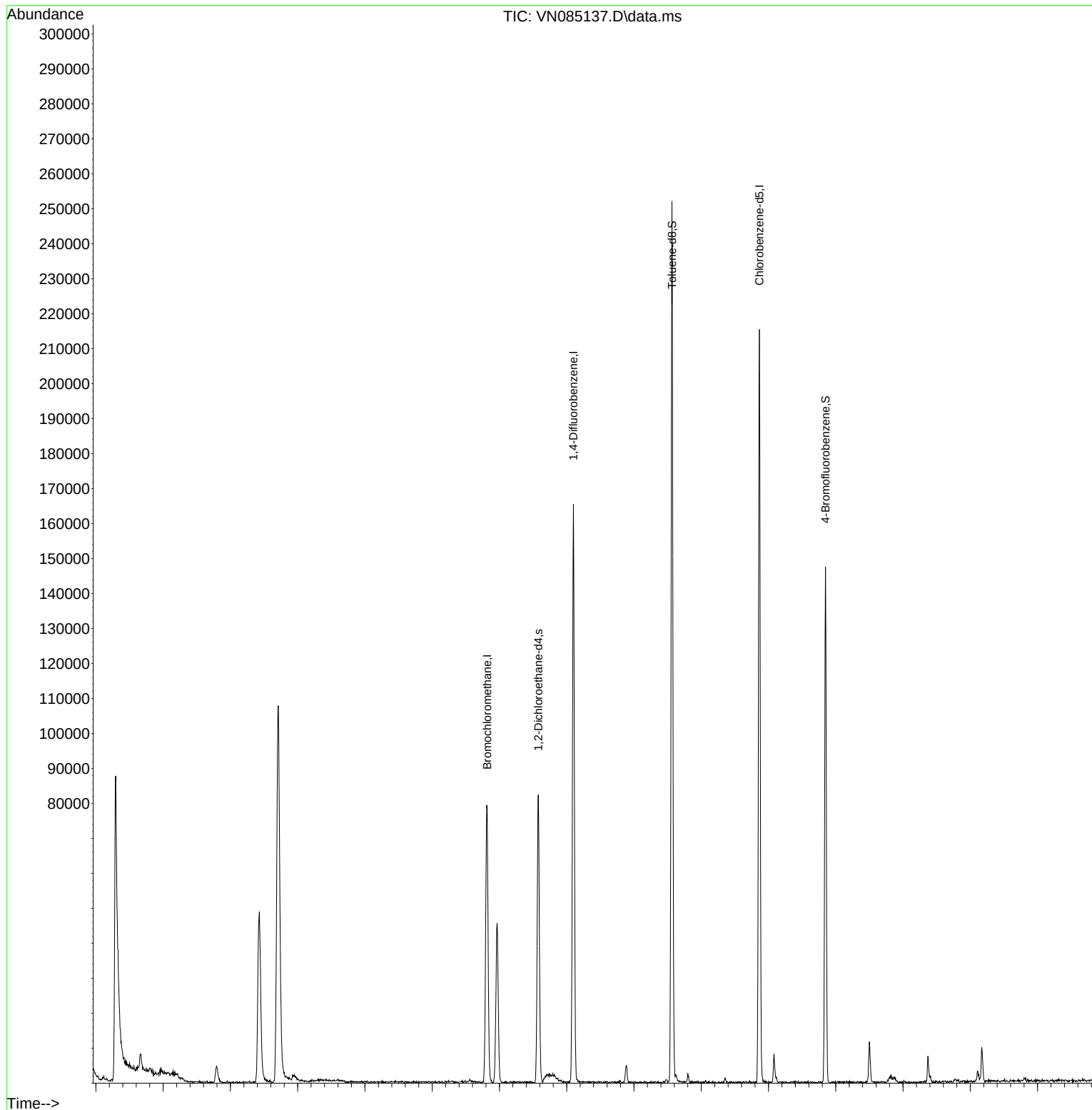
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120624\  
Data File : VN085137.D  
Acq On : 06 Dec 2024 19:15  
Operator : JC\MD  
Sample : P5044-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 22 Sample Multiplier: 1

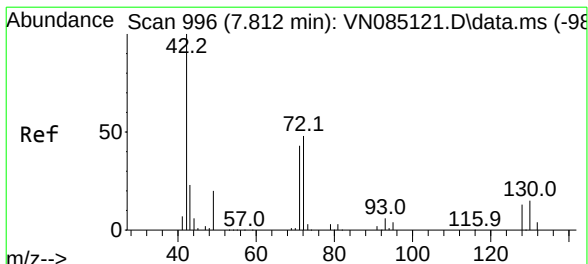
Instrument :  
MSVOA\_N  
ClientSampleId :  
OUTFALL-DSN-001

Quant Time: Dec 06 23:13:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Dec 06 22:50:42 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

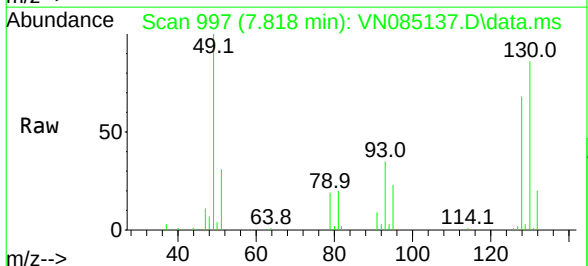
Reviewed By :Mahesh Dadoda 12/09/2024  
Supervised By :Semsettin Yesilyurt 12/09/2024





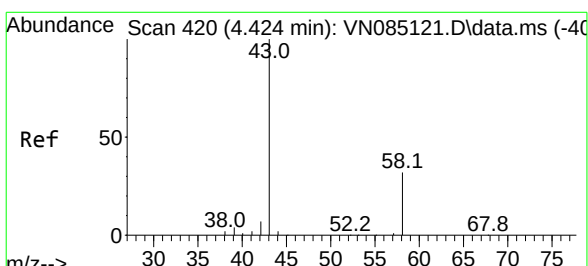
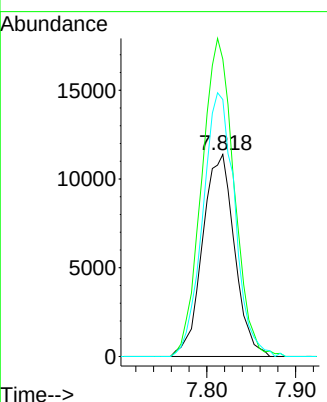
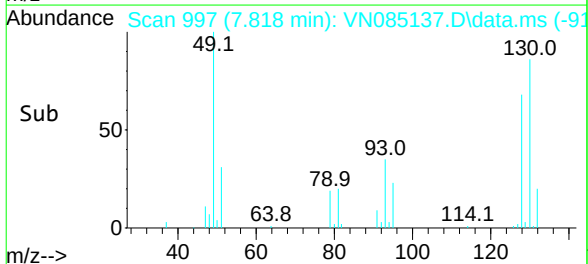
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 Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 7.818 min Scan# 99  
 Delta R.T. 0.006 min  
 Lab File: VN085137.D  
 Acq: 06 Dec 2024 19:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OUTFALL-DSN-001

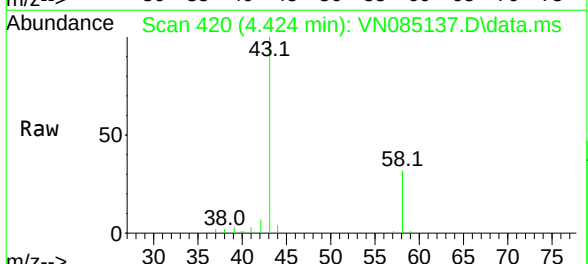


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 28468 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 159.2 | 0.0   | 394.5 |
| 130      | 130.8 | 0.0   | 316.5 |

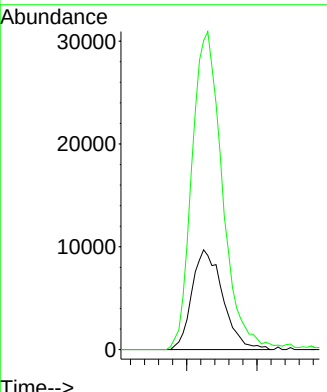
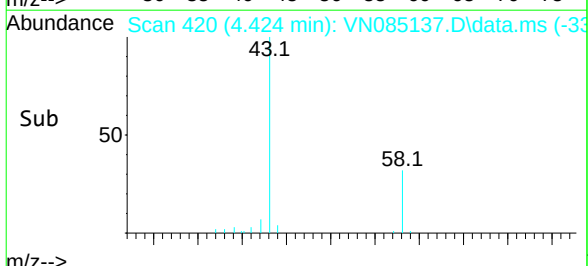
Manual Integrations  
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 Reviewed By :Mahesh Dadoda 12/09/2024  
 Supervised By :Semsettin Yesilyurt 12/09/2024

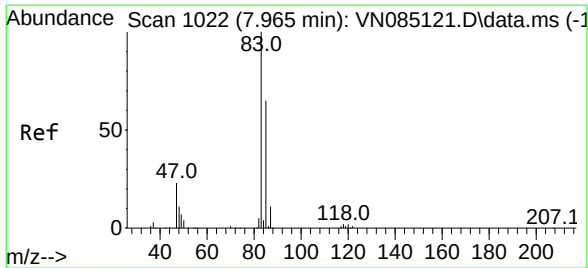


#15  
 Acetone  
 Concen: 128.781 ug/l  
 RT: 4.424 min Scan# 420  
 Delta R.T. 0.000 min  
 Lab File: VN085137.D  
 Acq: 06 Dec 2024 19:15



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 58    | Resp: | 29638 |
| Ion      | Ratio | Lower | Upper |
| 58       | 100   |       |       |
| 43       | 306.4 | 242.3 | 363.5 |





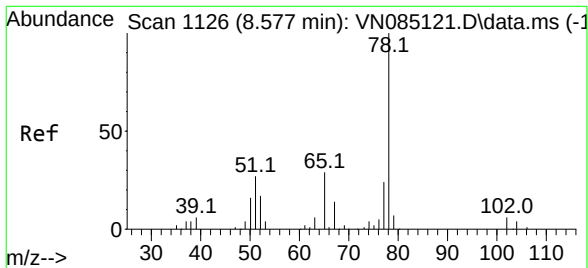
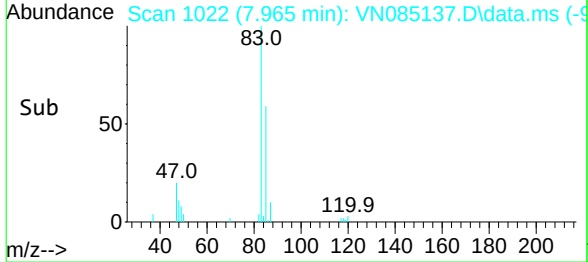
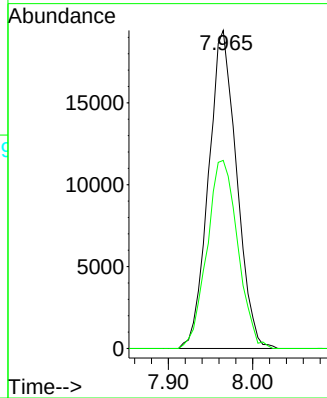
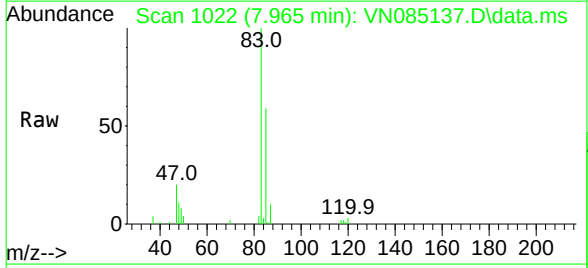
#25  
Chloroform  
Concen: 12.781 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VN085137.D  
Acq: 06 Dec 2024 19:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
OUTFALL-DSN-001

Tgt Ion: 83 Resp: 44991  
Ion Ratio Lower Upper  
83 100  
85 59.1 49.4 74.0

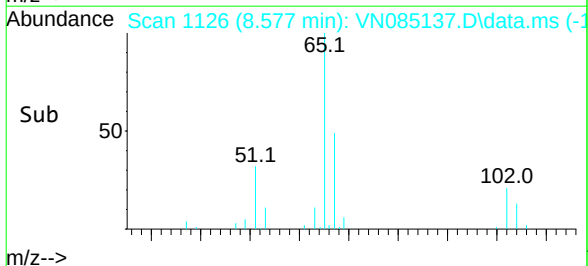
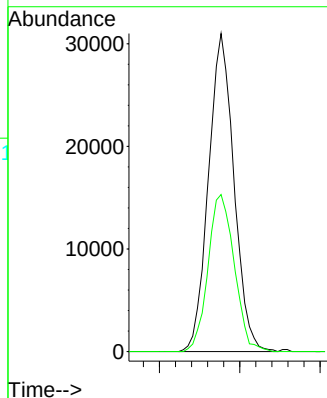
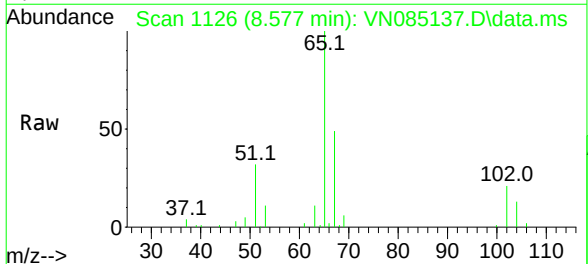
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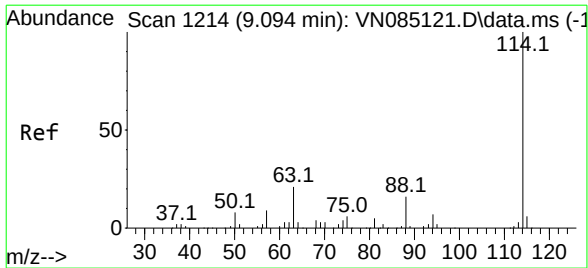
Reviewed By :Mahesh Dadoda 12/09/2024  
Supervised By :Semsettin Yesilyurt 12/09/2024



#27  
1,2-Dichloroethane-d4  
Concen: 30.211 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN085137.D  
Acq: 06 Dec 2024 19:15

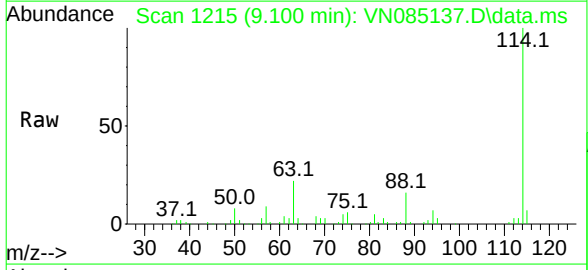
Tgt Ion: 65 Resp: 68242  
Ion Ratio Lower Upper  
65 100  
67 50.9 39.9 59.9





#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 9.100 min Scan# 1214  
 Delta R.T. 0.000 min  
 Lab File: VN085137.D  
 Acq: 06 Dec 2024 19:15

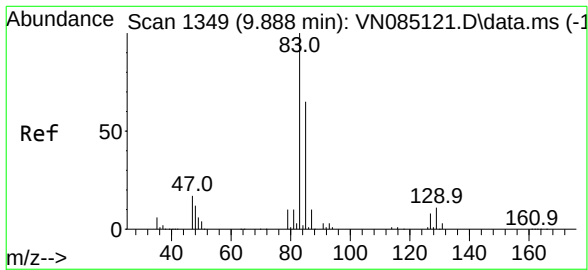
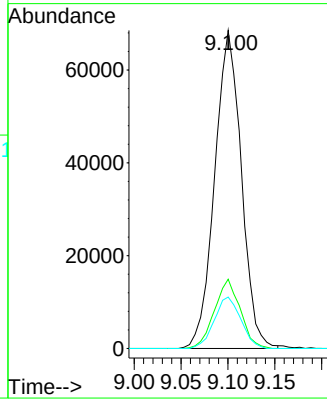
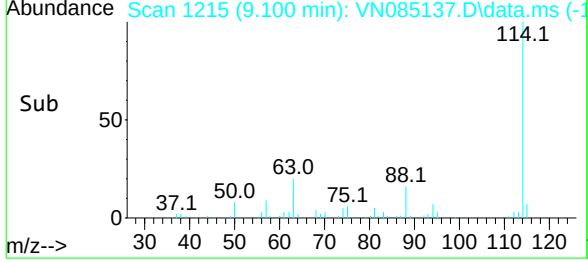
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OUTFALL-DSN-001



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 135463 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.1  | 16.2  | 24.2   |
| 88       | 16.2  | 12.5  | 18.7   |

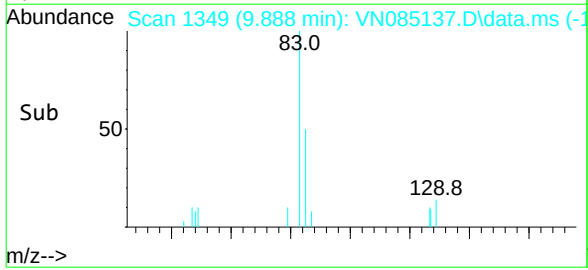
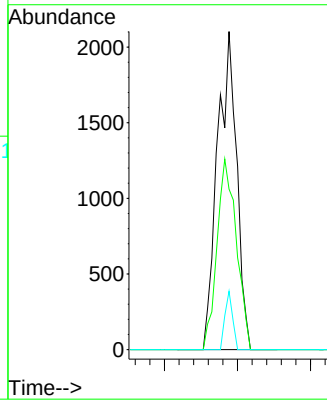
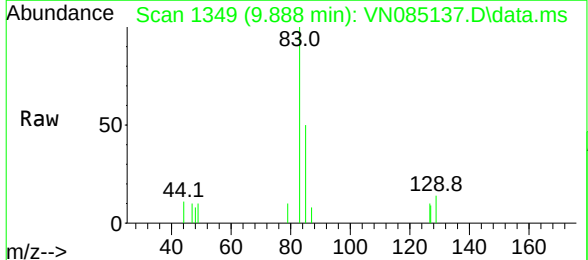
Manual Integrations  
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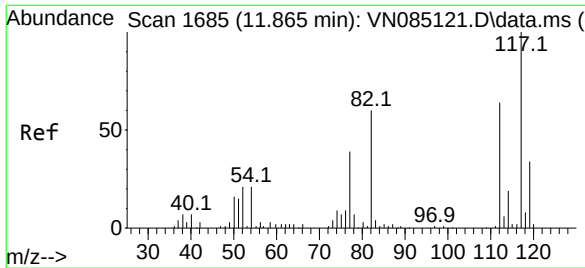
Reviewed By :Mahesh Dadoda 12/09/2024  
 Supervised By :Semsettin Yesilyurt 12/09/2024



#41  
 Bromodichloromethane  
 Concen: 1.506 ug/l m  
 RT: 9.888 min Scan# 1349  
 Delta R.T. 0.006 min  
 Lab File: VN085137.D  
 Acq: 06 Dec 2024 19:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3841  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 50.5  | 54.6  | 81.8# |
| 127      | 9.7   | 7.0   | 10.6  |





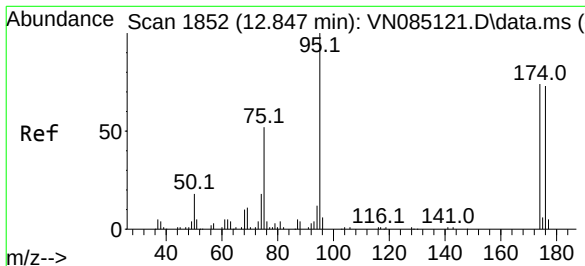
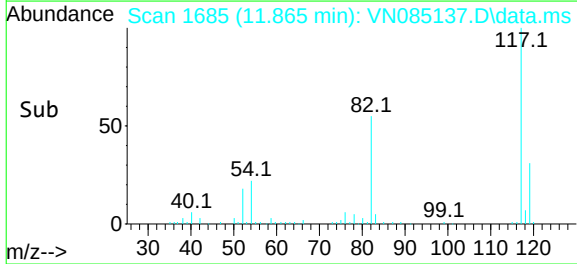
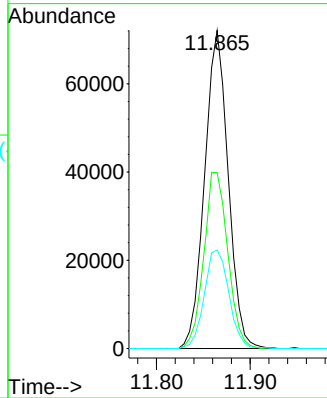
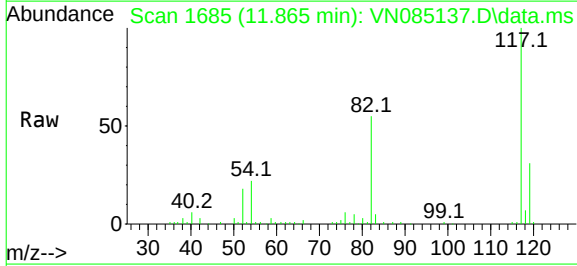
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN085137.D  
Acq: 06 Dec 2024 19:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
OUTFALL-DSN-001

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 125958 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.3  | 44.2  | 66.4   |
| 119      | 32.4  | 25.4  | 38.2   |

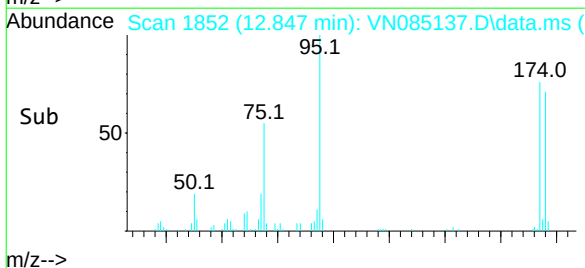
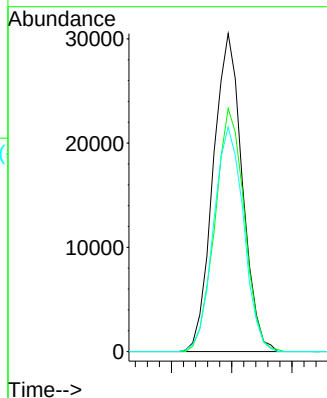
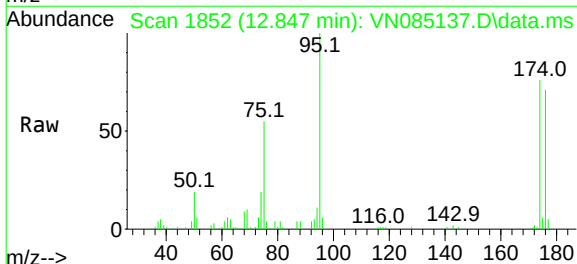
Manual Integrations  
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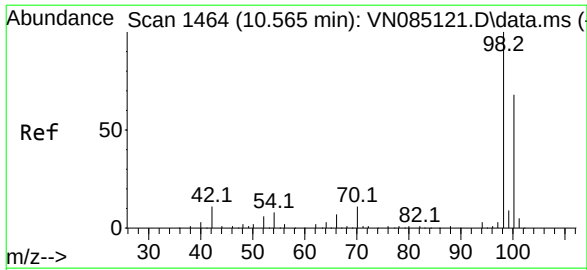
Reviewed By :Mahesh Dadoda 12/09/2024  
Supervised By :Semsettin Yesilyurt 12/09/2024



#60  
4-Bromofluorobenzene  
Concen: 24.555 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085137.D  
Acq: 06 Dec 2024 19:15

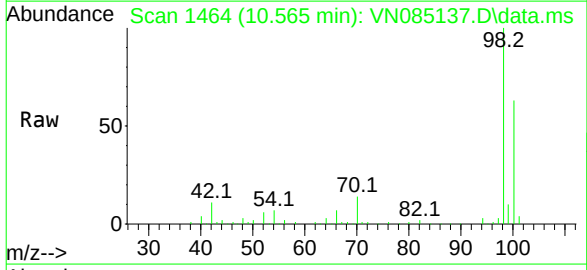
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 51175 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 77.0  | 60.3  | 90.5  |
| 176      | 72.7  | 57.4  | 86.0  |





#63  
Toluene-d8  
Concen: 28.284 ug/l  
RT: 10.565 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VN085137.D  
Acq: 06 Dec 2024 19:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
OUTFALL-DSN-001



Tgt Ion: 98 Resp: 167117  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0

Manual Integrations  
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