

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030223\  
 Data File : VD075439.D  
 Acq On : 02 Mar 2023 13:01  
 Operator : KP/SY  
 Sample : MDL03  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL03

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 03/03/2023  
 Supervised By :Mahesh Dadoda 03/03/2023

Quant Time: Mar 03 05:03:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 03 04:38:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.781          | 114  | 290616     | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.587         | 117  | 260876     | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522         | 152  | 112228     | 25.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.275          | 65   | 144260     | 19.992  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 79.960% |        |          |
| 7) Chloroethane-d5            | 2.805          | 69   | 134640     | 21.561  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 86.240% |        |          |
| 11) 1,1-Dichloroethene-d2     | 3.922          | 63   | 103690     | 15.384  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 61.520% |        |          |
| 21) 2-Butanone-d5             | 6.987          | 46   | 29842      | 44.628  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 89.260% |        |          |
| 24) Chloroform-d              | 7.575          | 84   | 169412     | 22.244  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 88.960% |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.234          | 65   | 75477      | 22.876  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 91.520% |        |          |
| 32) Benzene-d6                | 8.204          | 84   | 356000     | 22.978  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 91.920% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.210          | 67   | 103493     | 23.635  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 94.520% |        |          |
| 41) Toluene-d8                | 10.275         | 98   | 313576     | 22.187  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 88.760% |        |          |
| 43) trans-1,3-Dichloroprop... | 10.528         | 79   | 39698      | 22.185  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 88.760% |        |          |
| 47) 2-Hexanone-d5             | 10.881         | 63   | 25808      | 40.855  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 81.700% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.657         | 84   | 81739      | 22.316  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 89.280% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.822         | 152  | 92782      | 23.635  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 94.520% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934          | 85   | 6012       | 1.345   | ug/L   | 98       |
| 6) Bromomethane               | 2.699          | 94   | 7606       | 1.697   | ug/L   | 88       |
| 30) 1,1,1-Trichloroethane     | 7.799          | 97   | 8541       | 1.218   | ug/L # | 86       |
| 48) 2-Hexanone                | 10.934         | 43   | 3703       | 2.849   | ug/L # | 74       |
| 59) Bromoform                 | 12.304         | 173  | 2376       | 1.173   | ug/L # | 92       |
| 62) 1,3,5-Trimethylbenzene    | 12.904         | 105  | 14594      | 1.030   | ug/L   | 91       |
| 64) 1,3-Dichlorobenzene       | 13.463         | 146  | 10407      | 1.246   | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.598         | 180  | 6371       | 1.217   | ug/L   | 93       |
| 70) 1,2,4-trichlorobenzene    | 15.098         | 180  | 5695       | 1.353   | ug/L # | 86       |
| 71) Naphthalene               | 15.339         | 128  | 9712       | 1.163   | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.528         | 180  | 4645       | 1.252   | ug/L   | 94       |
| -----                         |                |      |            |         |        |          |

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

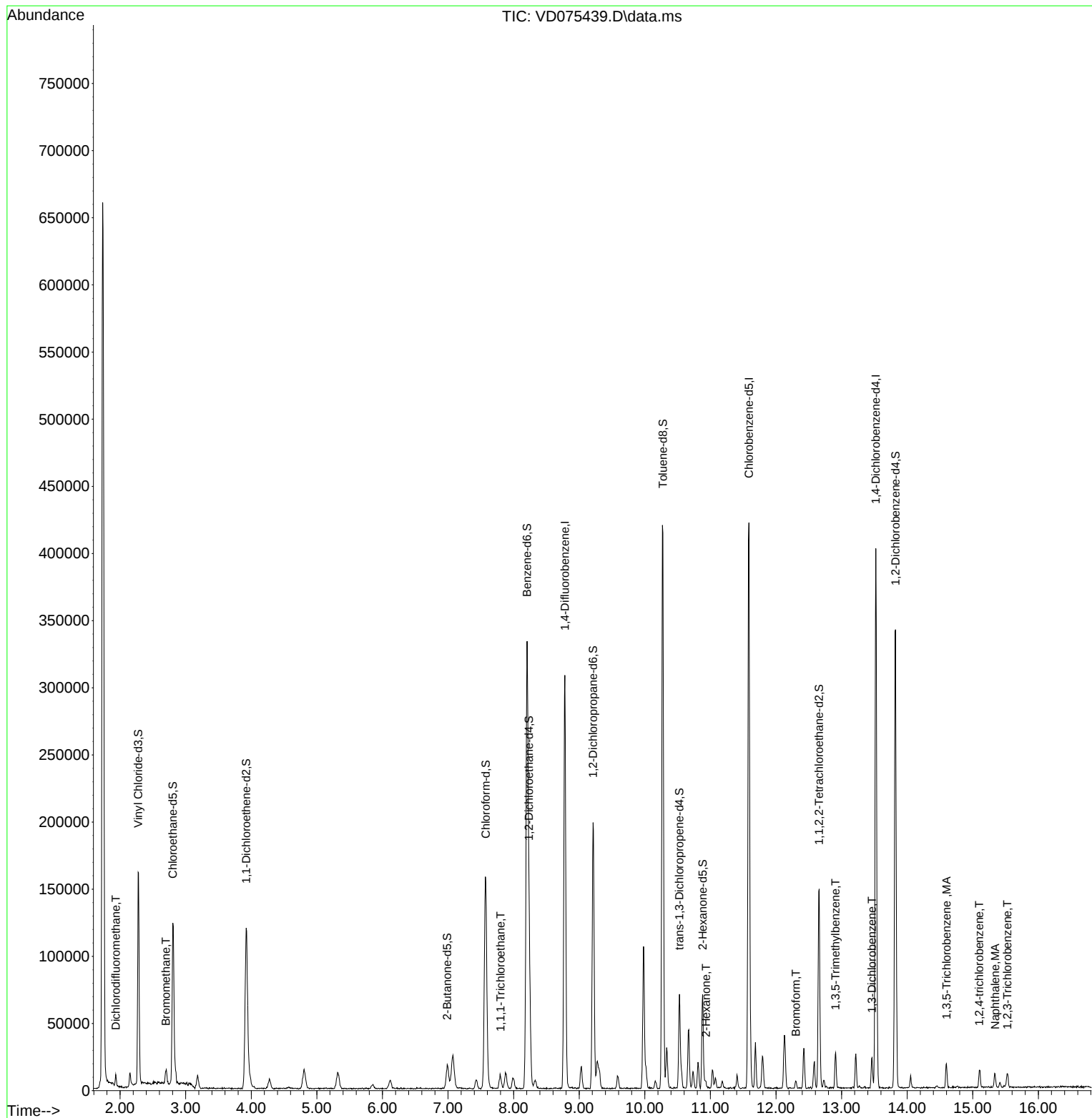
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030223\  
Data File : VD075439.D  
Acq On : 02 Mar 2023 13:01  
Operator : KP/SY  
Sample : MDL03  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

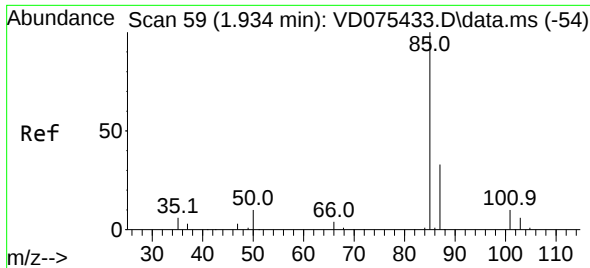
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL03

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 03/03/2023  
Supervised By :Mahesh Dadoda 03/03/2023

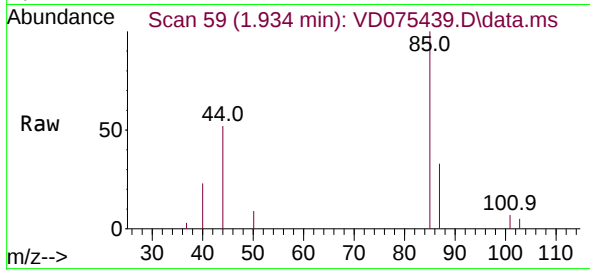
Quant Time: Mar 03 05:03:09 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Mar 03 04:38:18 2023  
Response via : Initial Calibration





#2  
Dichlorodifluoromethane  
Concen: 1.345 ug/L  
RT: 1.934 min Scan# 59  
Delta R.T. -0.000 min  
Lab File: VD075439.D  
Acq: 02 Mar 2023 13:01

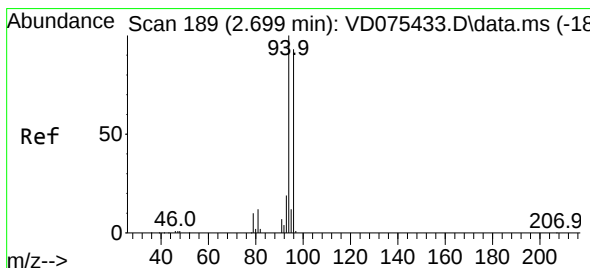
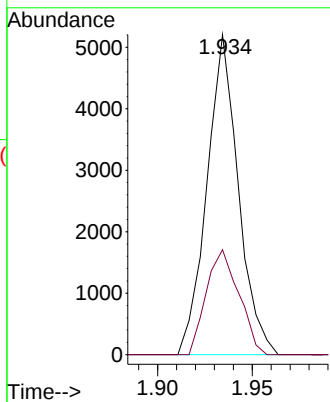
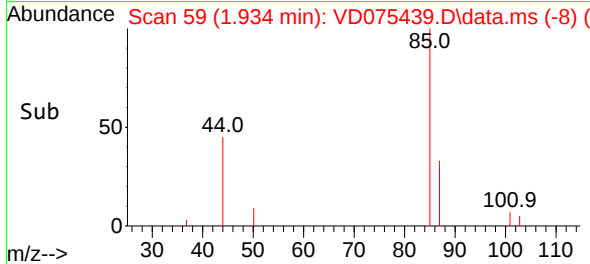
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL03



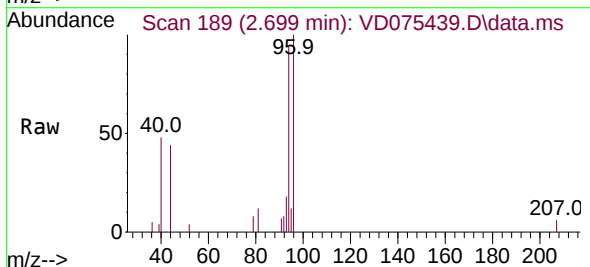
Tgt Ion: 85 Resp: 601  
Ion Ratio Lower Upper  
85 100  
87 34.1 26.4 39.6

Manual Integrations  
APPROVED

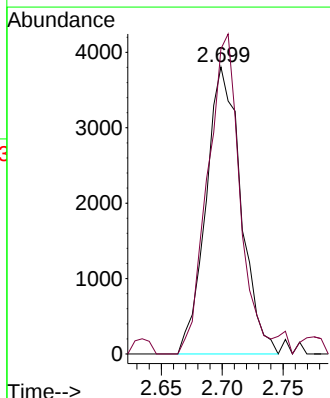
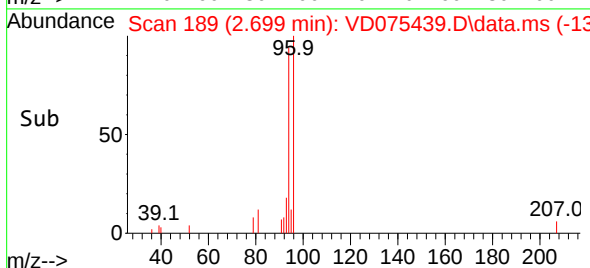
Reviewed By :Krupa Patel 03/03/2023  
Supervised By :Mahesh Dadoda 03/03/2023

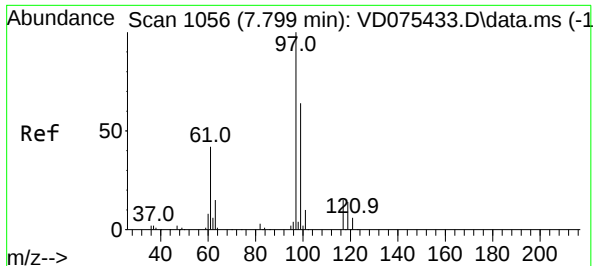


#6  
Bromomethane  
Concen: 1.697 ug/L  
RT: 2.699 min Scan# 189  
Delta R.T. -0.000 min  
Lab File: VD075439.D  
Acq: 02 Mar 2023 13:01



Tgt Ion: 94 Resp: 7606  
Ion Ratio Lower Upper  
94 100  
96 106.3 65.9 122.5





#30

1,1,1-Trichloroethane

Concen: 1.218 ug/L

RT: 7.799 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD075439.D

Acq: 02 Mar 2023 13:01

Instrument :

MSVOA\_D

ClientSampleId :

MDL03

Tgt Ion: 97 Resp: 854

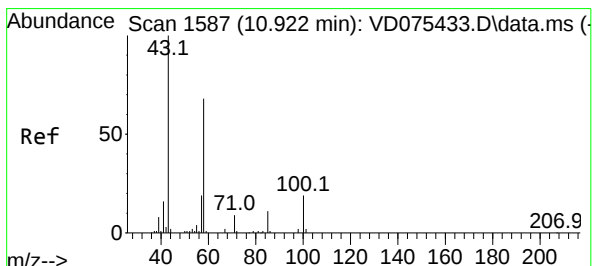
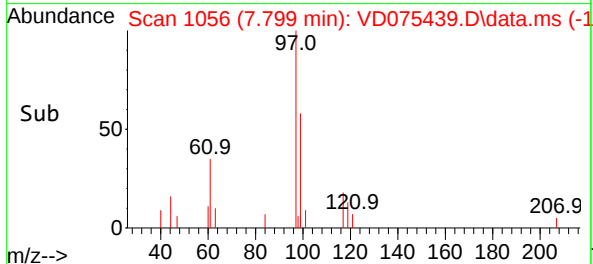
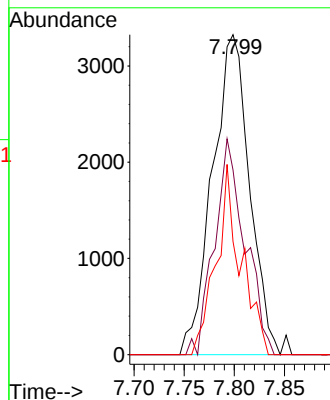
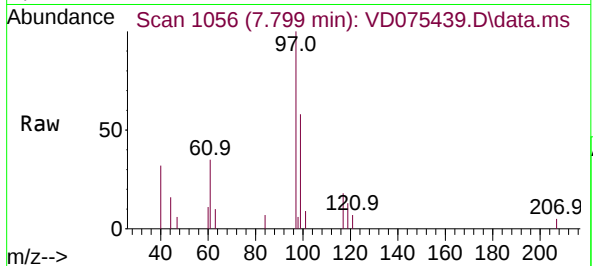
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 55.3  | 51.0  | 76.4  |
| 61  | 30.0  | 34.0  | 51.0  |

Manual Integrations

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Supervised By :Mahesh Dadoda 03/03/2023



#48

2-Hexanone

Concen: 2.849 ug/L

RT: 10.934 min Scan# 1589

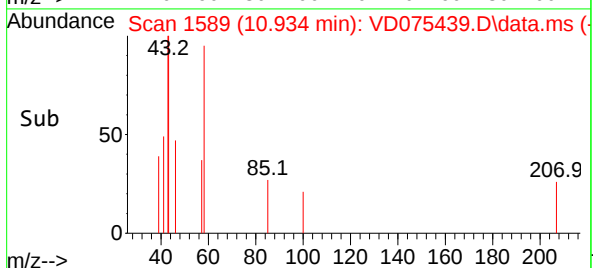
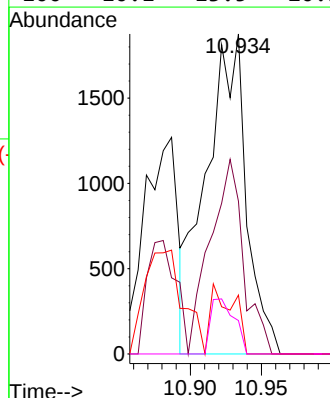
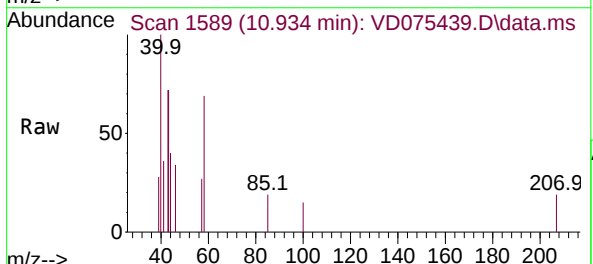
Delta R.T. 0.012 min

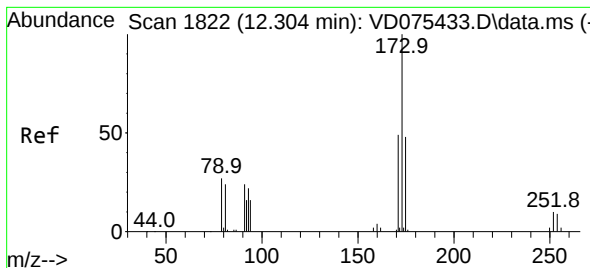
Lab File: VD075439.D

Acq: 02 Mar 2023 13:01

Tgt Ion: 43 Resp: 3703

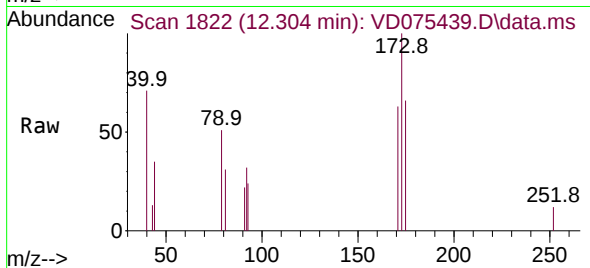
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 46.0  | 53.1  | 79.7# |
| 57  | 3.3   | 16.7  | 25.1# |
| 100 | 10.1  | 13.5  | 20.3# |





#59  
Bromoform  
Concen: 1.173 ug/L  
RT: 12.304 min Scan# 1822  
Delta R.T. -0.000 min  
Lab File: VD075439.D  
Acq: 02 Mar 2023 13:01

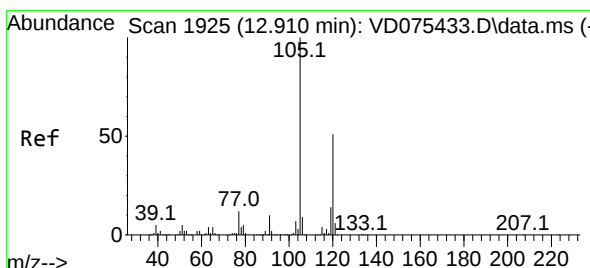
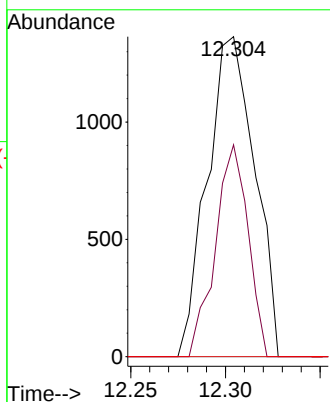
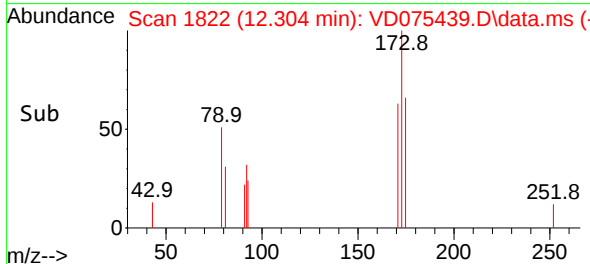
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL03



Tgt Ion:173 Resp: 2370  
Ion Ratio Lower Upper  
173 100  
175 45.7 39.3 58.9  
254 0.0 7.3 10.9

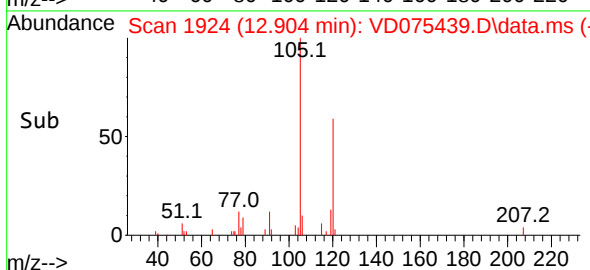
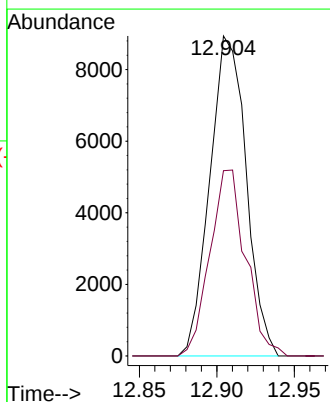
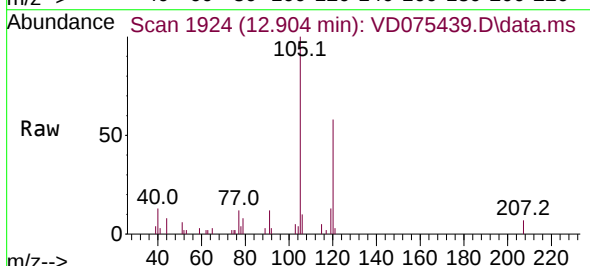
Manual Integrations  
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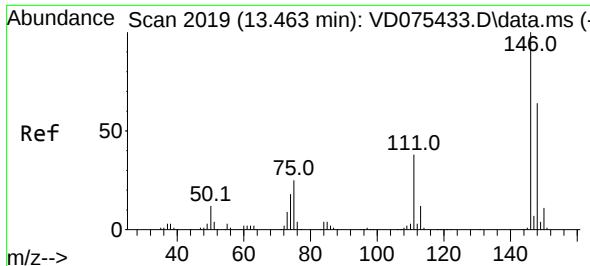
Reviewed By :Krupa Patel 03/03/2023  
Supervised By :Mahesh Dadoda 03/03/2023



#62  
1,3,5-Trimethylbenzene  
Concen: 1.030 ug/L  
RT: 12.904 min Scan# 1924  
Delta R.T. -0.006 min  
Lab File: VD075439.D  
Acq: 02 Mar 2023 13:01

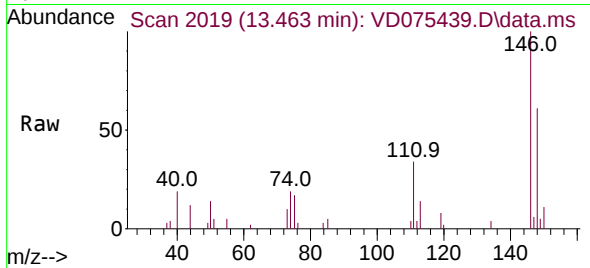
Tgt Ion:105 Resp: 14594  
Ion Ratio Lower Upper  
105 100  
120 57.2 40.6 60.8





#64  
1,3-Dichlorobenzene  
Concen: 1.246 ug/L  
RT: 13.463 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: VD075439.D  
Acq: 02 Mar 2023 13:01

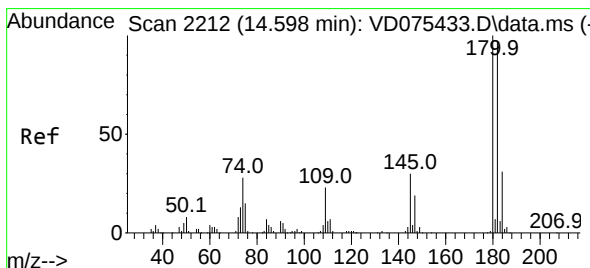
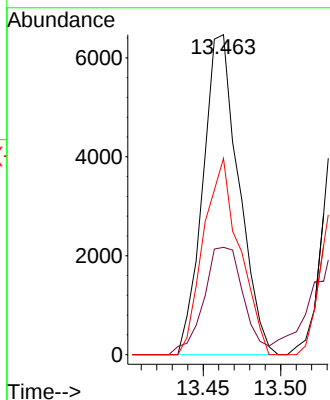
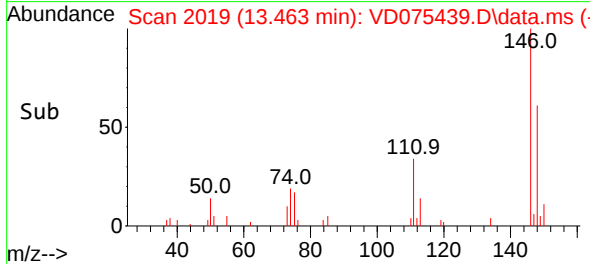
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL03



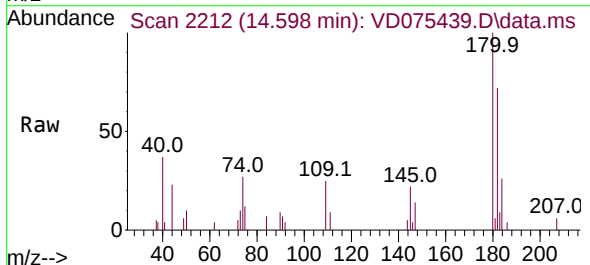
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Ion Ratio Lower Upper  
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148 61.4 42.4 78.6

Manual Integrations  
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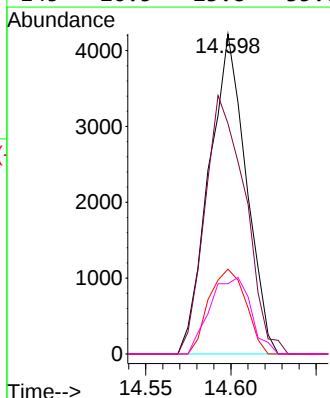
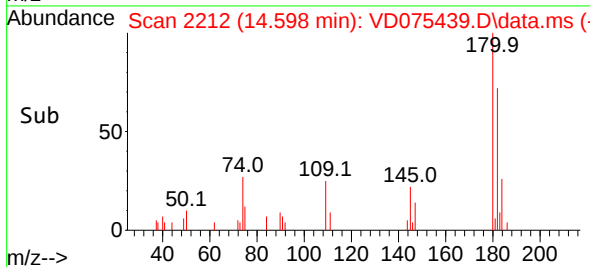
Reviewed By :Krupa Patel 03/03/2023  
Supervised By :Mahesh Dadoda 03/03/2023

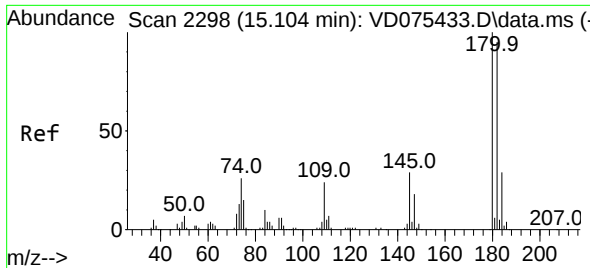


#69  
1,3,5-Trichlorobenzene  
Concen: 1.217 ug/L  
RT: 14.598 min Scan# 2212  
Delta R.T. -0.000 min  
Lab File: VD075439.D  
Acq: 02 Mar 2023 13:01



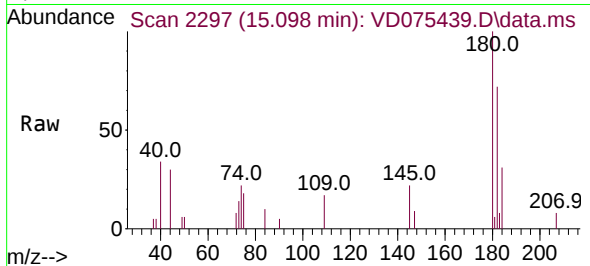
Tgt Ion:180 Resp: 6371  
Ion Ratio Lower Upper  
180 100  
182 87.7 76.5 114.7  
184 26.4 23.6 35.4  
145 26.5 23.8 35.6





#70  
1,2,4-trichlorobenzene  
Concen: 1.353 ug/L  
RT: 15.098 min Scan# 2298  
Delta R.T. -0.006 min  
Lab File: VD075439.D  
Acq: 02 Mar 2023 13:01

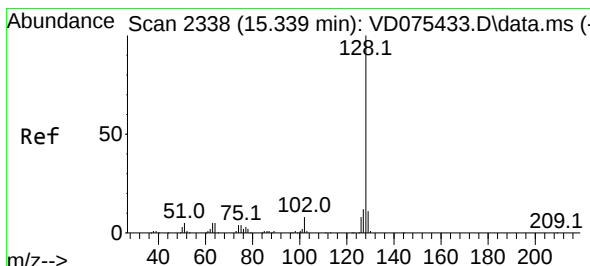
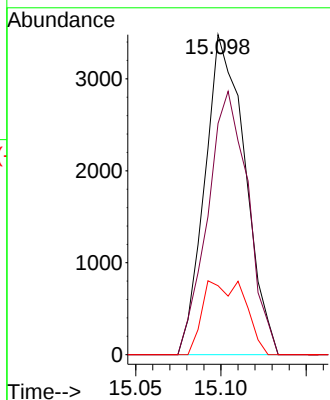
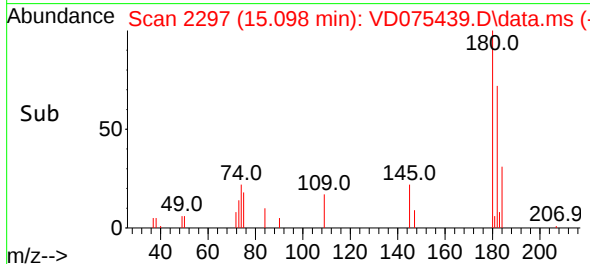
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL03



Tgt Ion:180 Resp: 569  
Ion Ratio Lower Upper  
180 100  
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145 15.3 23.0 34.6

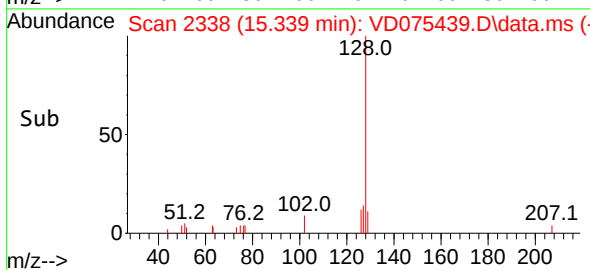
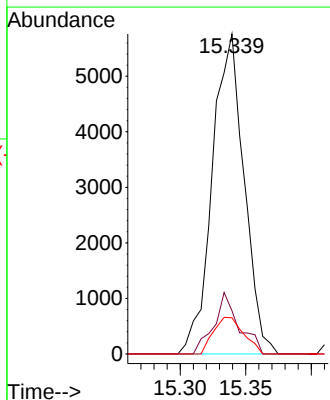
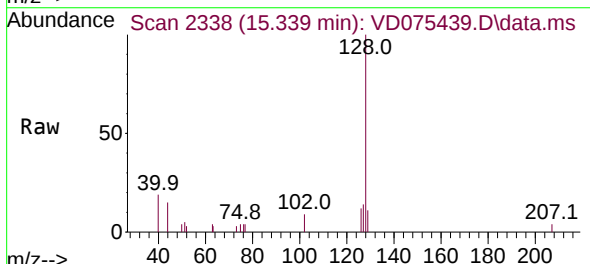
Manual Integrations  
APPROVED

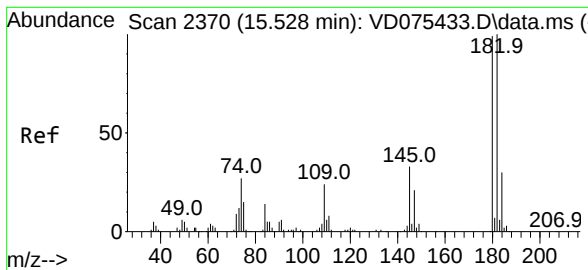
Reviewed By :Krupa Patel 03/03/2023  
Supervised By :Mahesh Dadoda 03/03/2023



#71  
Naphthalene  
Concen: 1.163 ug/L  
RT: 15.339 min Scan# 2338  
Delta R.T. -0.000 min  
Lab File: VD075439.D  
Acq: 02 Mar 2023 13:01

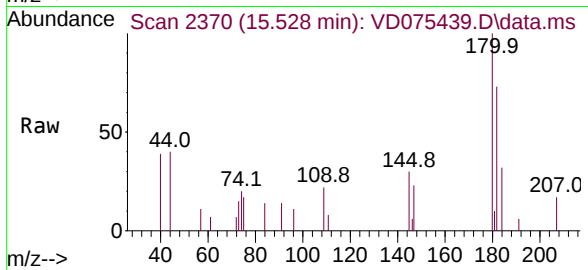
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Ion Ratio Lower Upper  
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127 13.9 10.1 15.1  
129 10.9 8.8 13.2





#72  
 1,2,3-Trichlorobenzene  
 Concen: 1.252 ug/L  
 RT: 15.528 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VD075439.D  
 Acq: 02 Mar 2023 13:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL03



Tgt Ion:180 Resp: 4649  
 Ion Ratio Lower Upper  
 180 100  
 182 101.2 75.3 112.9  
 145 29.3 25.1 37.7

Manual Integrations  
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 Supervised By :Mahesh Dadoda 03/03/2023

