

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120423\  
 Data File : VD077740.D  
 Acq On : 04 Dec 2023 13:13  
 Operator : JC/SY  
 Sample : 04929-17  
 Misc : 3.02G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 C0AY8

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 12/05/2023  
 Supervised By :Semsettin Yesilyurt 12/05/2023

Quant Time: Dec 05 00:06:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM112923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Dec 05 00:04:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.781          | 114  | 467787     | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.587         | 117  | 397565     | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522         | 152  | 129587     | 25.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.281          | 65   | 290659     | 22.785   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 91.120%  |        |          |
| 7) Chloroethane-d5            | 2.811          | 69   | 243285     | 23.926   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 95.720%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 3.922          | 65   | 72822      | 22.016   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 88.080%  |        |          |
| 21) 2-Butanone-d5             | 6.993          | 46   | 70972      | 44.020   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 88.040%  |        |          |
| 24) Chloroform-d              | 7.569          | 84   | 306033     | 24.274   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 97.080%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.234          | 65   | 157732m    | 24.692   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 98.760%  |        |          |
| 32) Benzene-d6                | 8.205          | 84   | 654808     | 27.347   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 109.400% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.210          | 67   | 195431     | 26.751   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 107.000% |        |          |
| 41) Toluene-d8                | 10.269         | 98   | 571027     | 25.910   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 103.640% |        |          |
| 43) trans-1,3-Dichloroprop... | 10.528         | 79   | 80138      | 24.806   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 99.240%  |        |          |
| 47) 2-Hexanone-d5             | 10.881         | 63   | 66115      | 52.518   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 105.040% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651         | 84   | 126111     | 23.888   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 95.560%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816         | 152  | 116010     | 25.024   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 100.080% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 13) Acetone                   | 4.028          | 43   | 6083m      | 2.945    | ug/L   |          |
| 16) Methylene chloride        | 4.811          | 84   | 4229       | 0.509    | ug/L # | 65       |
| 51) Chlorobenzene             | 11.610         | 112  | 337654     | 19.812   | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.463         | 146  | 11670      | 1.395    | ug/L   | 82       |
| 65) 1,4-Dichlorobenzene       | 13.540         | 146  | 31518      | 3.631    | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.828         | 146  | 9292       | 1.234    | ug/L # | 85       |
| 70) 1,2,4-trichlorobenzene    | 15.104         | 180  | 11310      | 2.339    | ug/L   | 97       |
| -----                         |                |      |            |          |        |          |

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

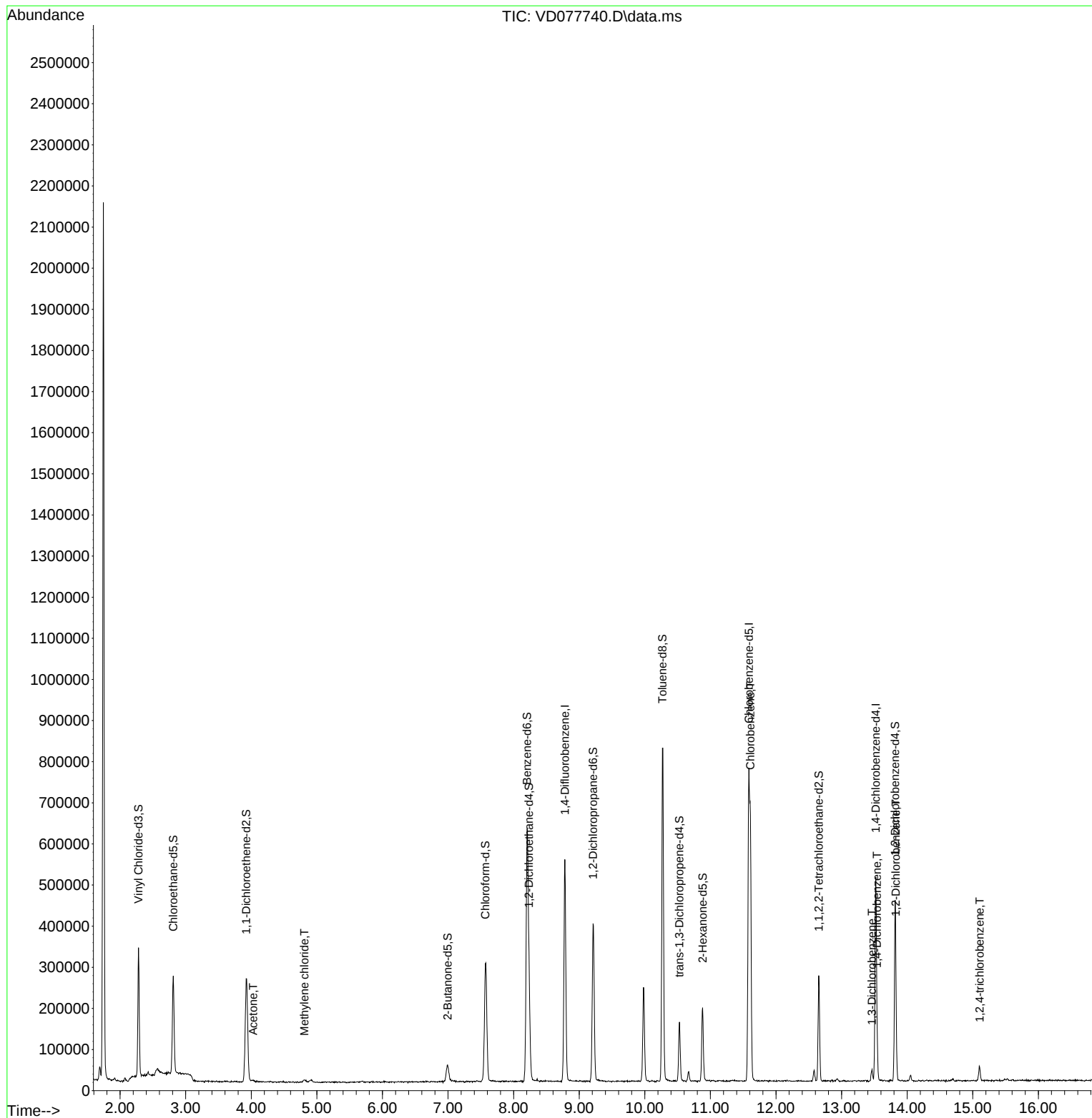
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120423\  
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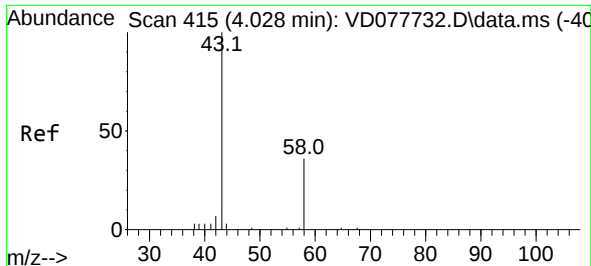
Instrument :  
MSVOA\_D  
ClientSampleId :  
C0AY8

Manual Integrations  
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Supervised By :Semsettin Yesilyurt 12/05/2023

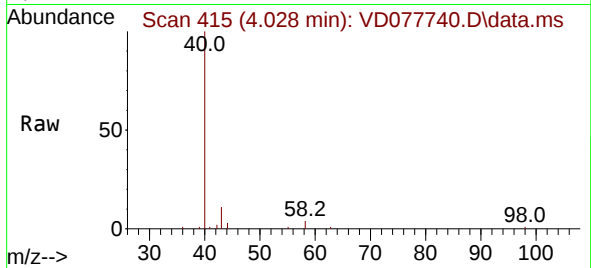
Quant Time: Dec 05 00:06:29 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM112923SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Dec 05 00:04:05 2023  
Response via : Initial Calibration





#13  
Acetone  
Concen: 2.945 ug/L m  
RT: 4.028 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VD077740.D  
Acq: 04 Dec 2023 13:13

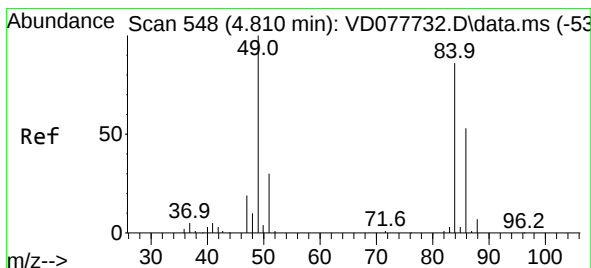
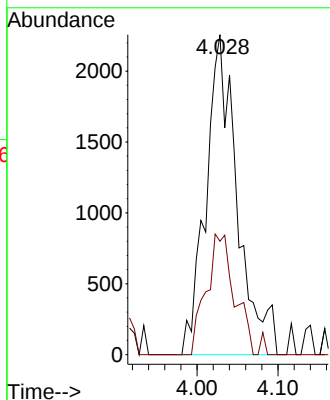
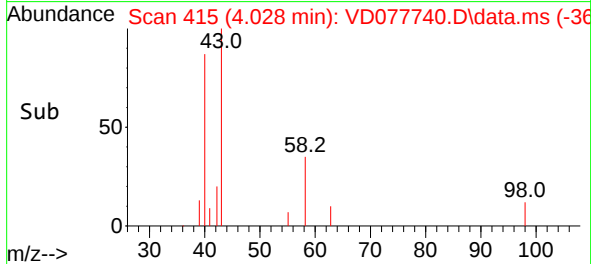
Instrument :  
MSVOA\_D  
ClientSampleId :  
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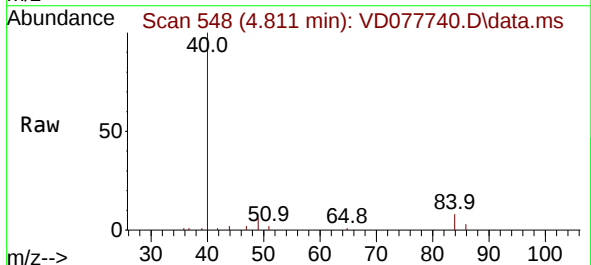
Tgt Ion: 43 Resp: 608  
Ion Ratio Lower Upper  
43 100  
58 28.7 0.0 67.2

Manual Integrations  
APPROVED

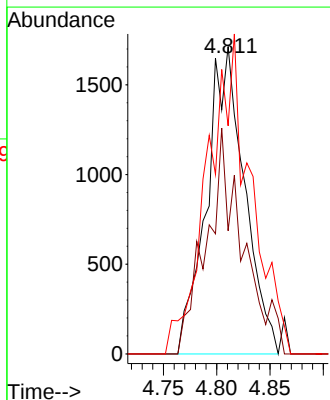
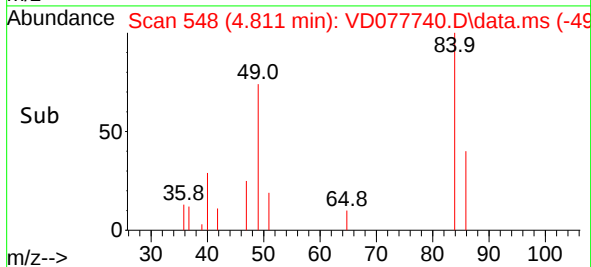
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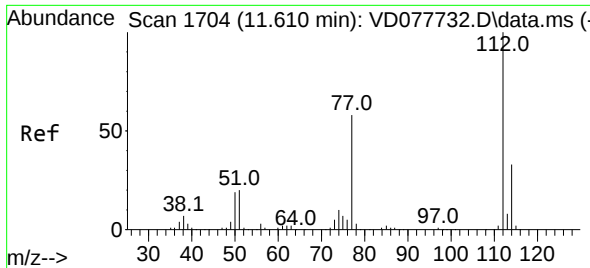


#16  
Methylene chloride  
Concen: 0.509 ug/L  
RT: 4.811 min Scan# 548  
Delta R.T. 0.000 min  
Lab File: VD077740.D  
Acq: 04 Dec 2023 13:13



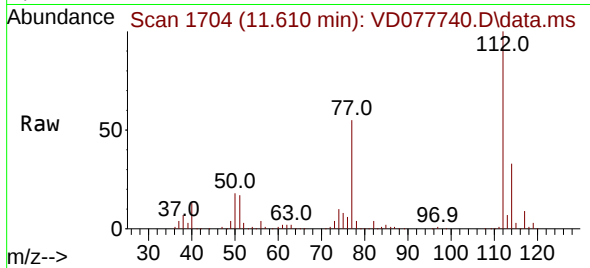
Tgt Ion: 84 Resp: 4229  
Ion Ratio Lower Upper  
84 100  
86 40.1 40.1 74.5#  
49 74.2 83.2 154.6#





#51  
Chlorobenzene  
Concen: 19.812 ug/L  
RT: 11.610 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077740.D  
Acq: 04 Dec 2023 13:13

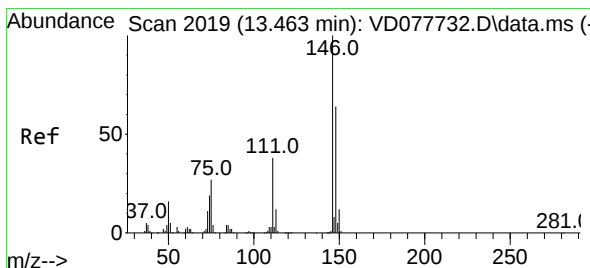
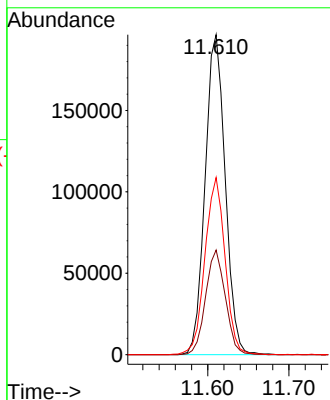
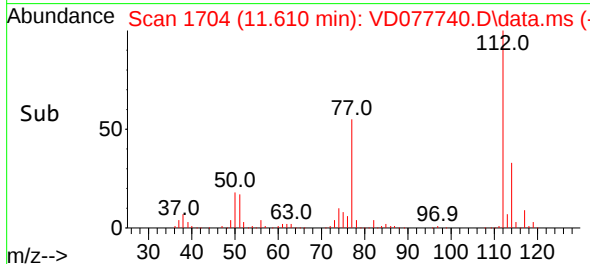
Instrument :  
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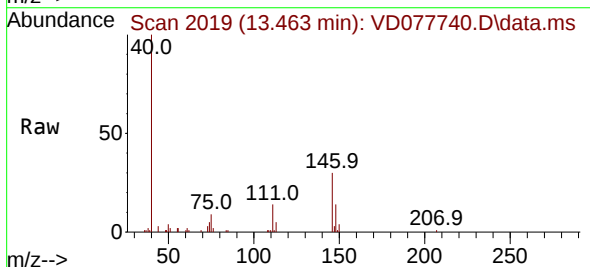
Tgt Ion:112 Resp: 337654  
Ion Ratio Lower Upper  
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114 32.7 22.5 41.9  
77 55.3 46.4 69.6

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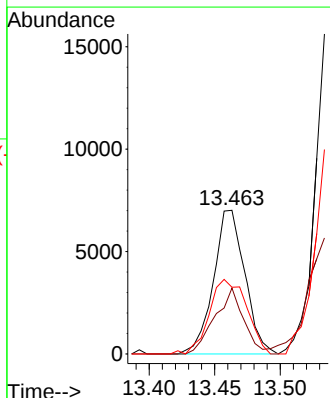
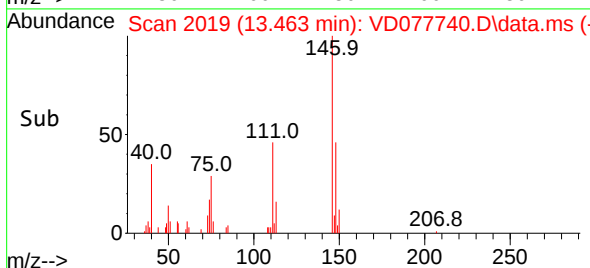
Reviewed By :Mahesh Dadoda 12/05/2023  
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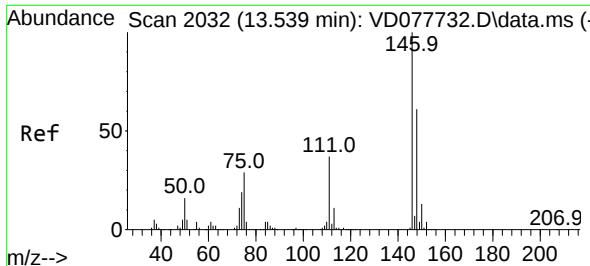


#64  
1,3-Dichlorobenzene  
Concen: 1.395 ug/L  
RT: 13.463 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: VD077740.D  
Acq: 04 Dec 2023 13:13



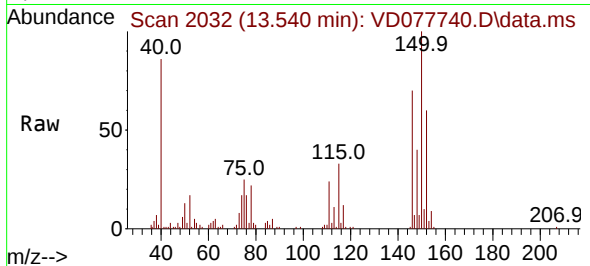
Tgt Ion:146 Resp: 11670  
Ion Ratio Lower Upper  
146 100  
111 45.9 26.6 49.4  
148 46.5 44.0 81.6





#65  
1,4-Dichlorobenzene  
Concen: 3.631 ug/L  
RT: 13.540 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VD077740.D  
Acq: 04 Dec 2023 13:13

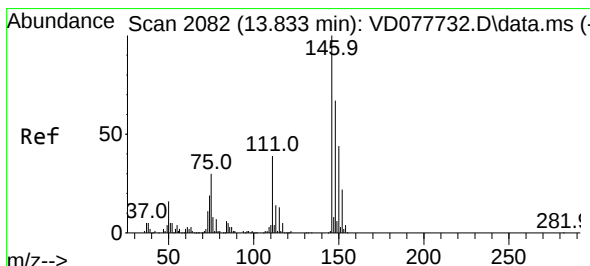
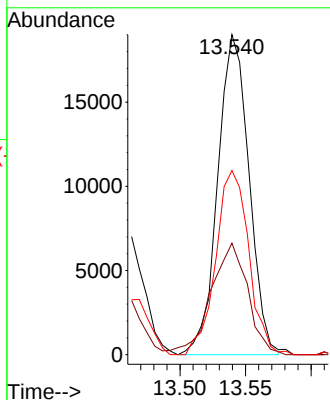
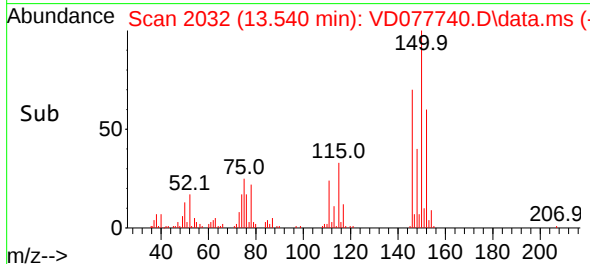
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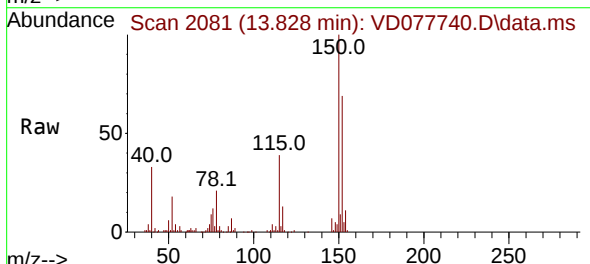
Tgt Ion:146 Resp: 31518  
Ion Ratio Lower Upper  
146 100  
111 34.9 26.4 49.0  
148 57.5 44.0 81.8

Manual Integrations  
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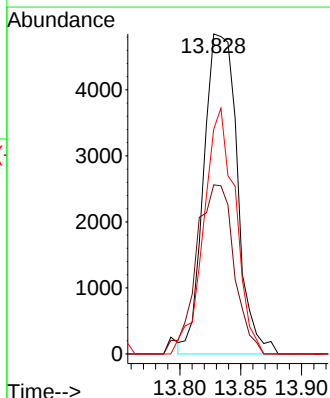
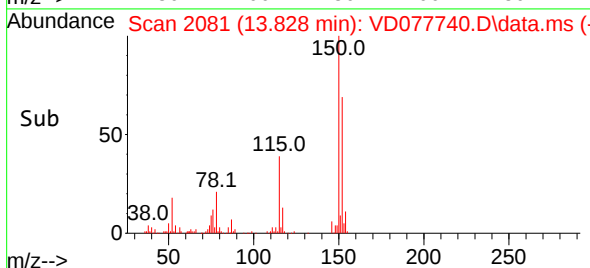
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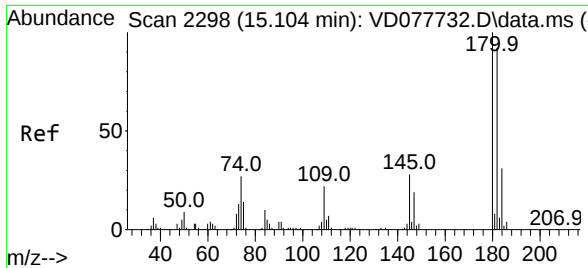


#67  
1,2-Dichlorobenzene  
Concen: 1.234 ug/L  
RT: 13.828 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VD077740.D  
Acq: 04 Dec 2023 13:13



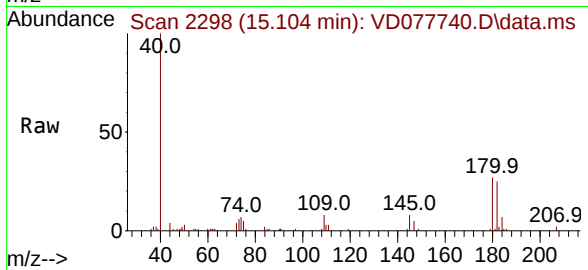
Tgt Ion:146 Resp: 9292  
Ion Ratio Lower Upper  
146 100  
111 52.9 31.4 47.2#  
148 70.3 50.2 75.2





#70  
 1,2,4-trichlorobenzene  
 Concen: 2.339 ug/L  
 RT: 15.104 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD077740.D  
 Acq: 04 Dec 2023 13:13

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 C0AY8



Tgt Ion:180 Resp: 11310  
 Ion Ratio Lower Upper  
 180 100  
 182 99.1 77.0 115.6  
 145 30.8 23.9 35.9

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