

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121123\  
 Data File : VD077805.D  
 Acq On : 11 Dec 2023 10:56  
 Operator : JC/SY  
 Sample : 05750-01  
 Misc : 4.68G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 E0LQ4

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023  
 Supervised By :Mahesh Dadoda 12/12/2023

Quant Time: Dec 11 13:03:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM112923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Dec 06 00:24:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) 1,4-Difluorobenzene        | 8.781          | 114  | 8358       | 25.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.587         | 117  | 6190       | 25.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522         | 152  | 1603       | 25.000    | ug/L   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 4) Vinyl Chloride-d3          | 2.281          | 65   | 5050       | 22.156    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 88.640%   |        |          |
| 7) Chloroethane-d5            | 2.811          | 69   | 2753       | 15.154    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 60.600%   |        |          |
| 11) 1,1-Dichloroethene-d2     | 3.922          | 65   | 1367       | 23.131    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 92.520%   |        |          |
| 21) 2-Butanone-d5             | 6.999          | 46   | 3314m      | 115.043   | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 230.080%# |        |          |
| 24) Chloroform-d              | 7.569          | 84   | 7362       | 32.682    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 130.720%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.234          | 65   | 4085m      | 35.792    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 143.160%# |        |          |
| 32) Benzene-d6                | 8.199          | 84   | 11492      | 30.826    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 123.320%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.216          | 67   | 4240       | 37.275    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 149.120%# |        |          |
| 41) Toluene-d8                | 10.269         | 98   | 7861       | 22.909    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 91.640%   |        |          |
| 43) trans-1,3-Dichloroprop... | 10.522         | 79   | 1510m      | 30.020    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 120.080%  |        |          |
| 47) 2-Hexanone-d5             | 10.881         | 63   | 1328       | 67.752    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 135.500%# |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651         | 84   | 4363       | 53.080    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 212.320%# |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.810         | 152  | 1158       | 20.193    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 80.760%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 34) Trichloroethene           | 9.028          | 95   | 7746       | 77.451    | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.810         | 164  | 337537     | 4185.468  | ug/L   | 96       |
| 51) Chlorobenzene             | 11.610         | 112  | 2994       | 11.283    | ug/L # | 84       |
| 65) 1,4-Dichlorobenzene       | 13.545         | 146  | 1770       | 16.485    | ug/L # | 49       |
| 67) 1,2-Dichlorobenzene       | 13.828         | 146  | 760        | 8.162     | ug/L # | 72       |
| -----                         |                |      |            |           |        |          |

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

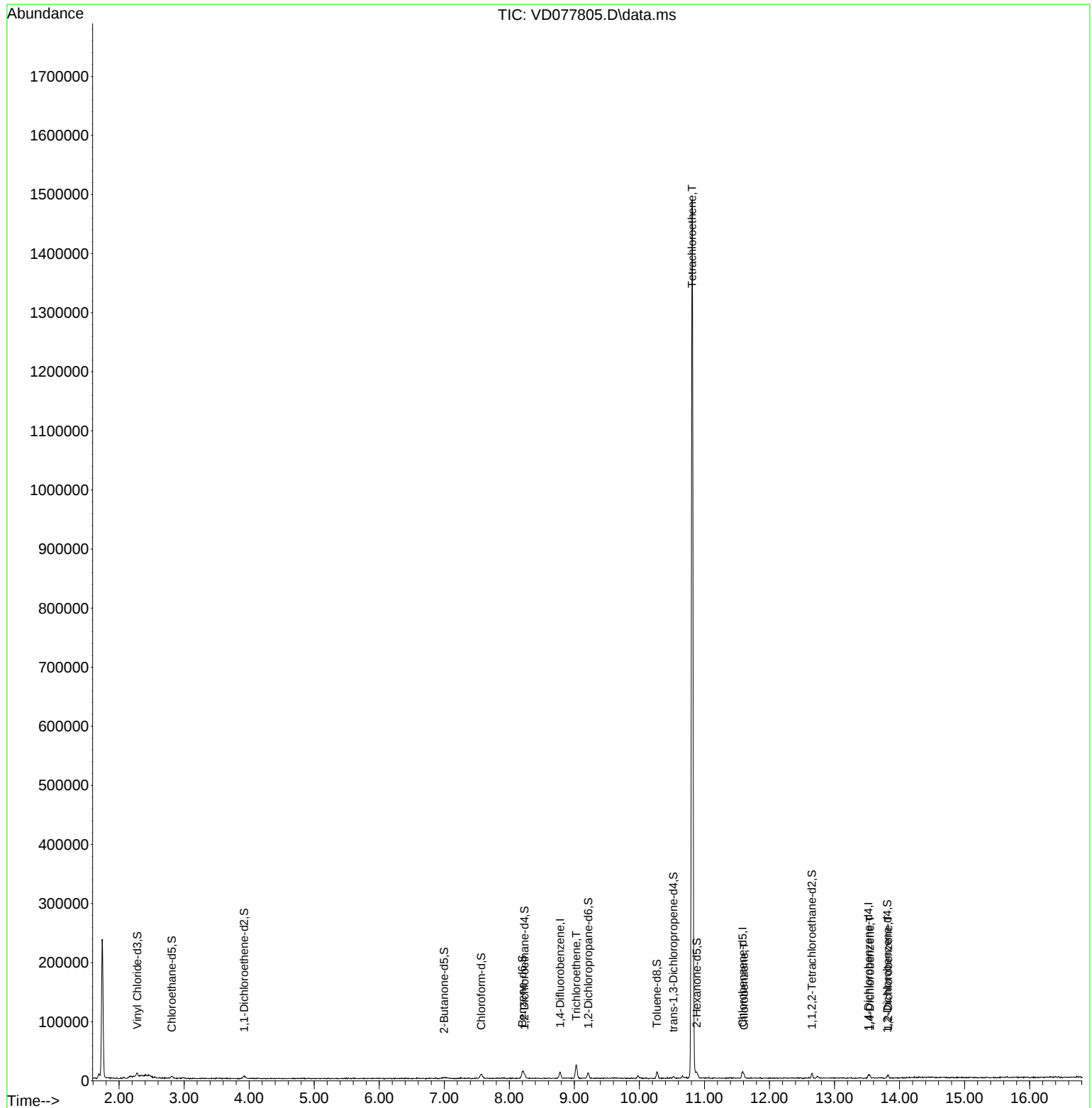
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121123\  
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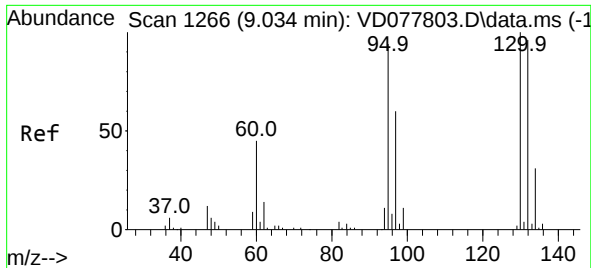
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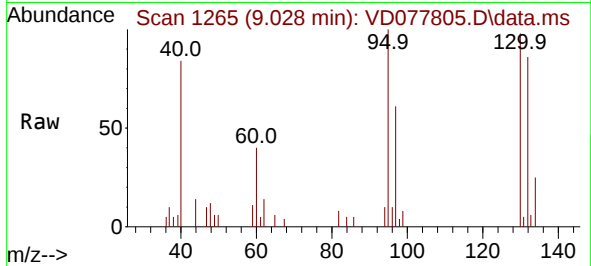
Quant Time: Dec 11 13:03:50 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM112923SMA.M  
Quant Title : SFAM01.0  
QLast Update : Wed Dec 06 00:24:24 2023  
Response via : Initial Calibration





#34  
Trichloroethene  
Concen: 77.451 ug/L  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.006 min  
Lab File: VD077805.D  
Acq: 11 Dec 2023 10:56

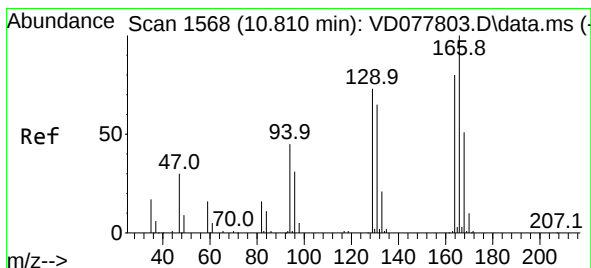
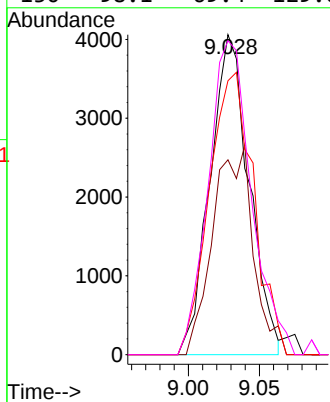
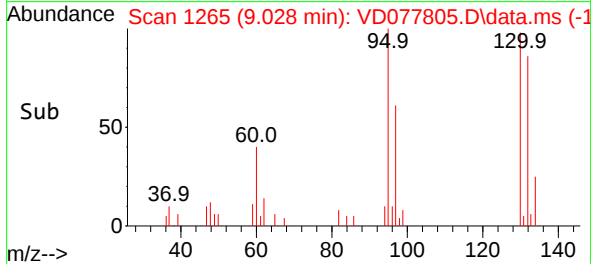
Instrument :  
MSVOA\_D  
ClientSampleId :  
E0LQ4



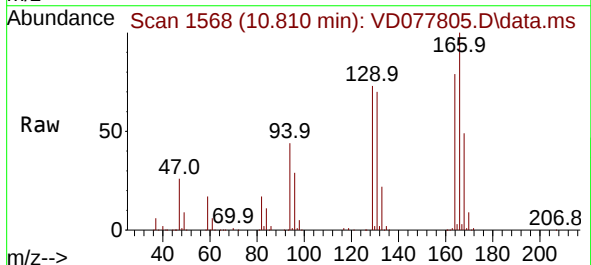
Tgt Ion: 95 Resp: 7740  
Ion Ratio Lower Upper  
95 100  
97 60.9 44.2 82.0  
132 91.9 67.5 125.3  
130 98.1 69.4 129.0

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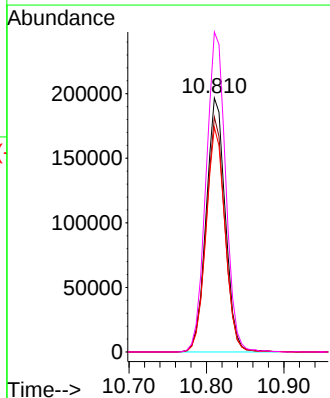
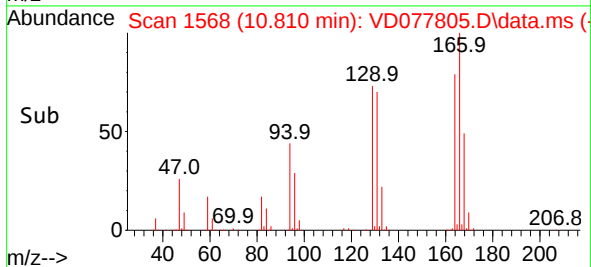
Reviewed By :Semsettin Yesilyurt 12/11/2023  
Supervised By :Mahesh Dadoda 12/12/2023

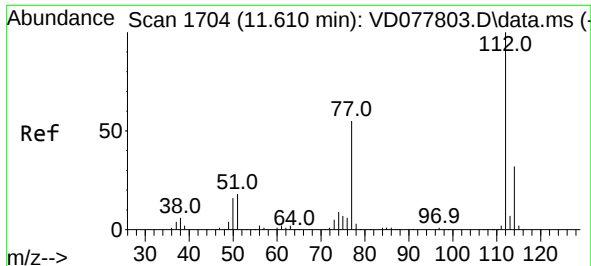


#46  
Tetrachloroethene  
Concen: 4185.468 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: VD077805.D  
Acq: 11 Dec 2023 10:56



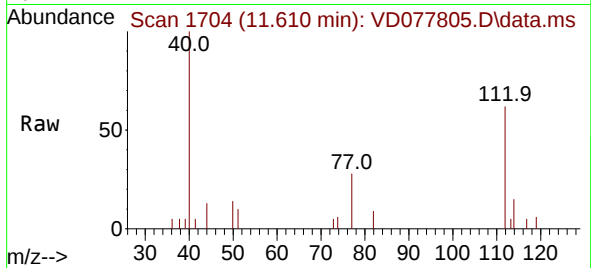
Tgt Ion:164 Resp: 337537  
Ion Ratio Lower Upper  
164 100  
129 92.5 61.5 114.3  
131 88.5 59.1 109.9  
166 126.0 85.4 158.6





#51  
Chlorobenzene  
Concen: 11.283 ug/L  
RT: 11.610 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077805.D  
Acq: 11 Dec 2023 10:56

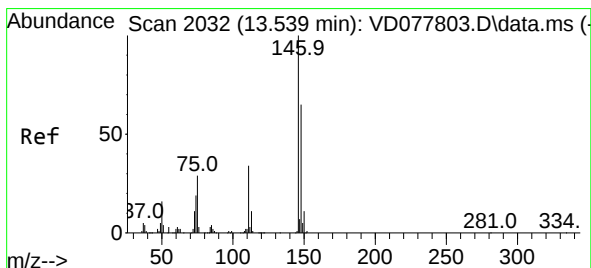
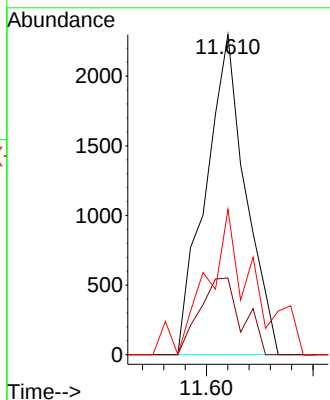
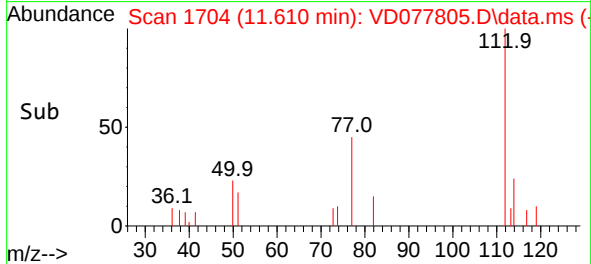
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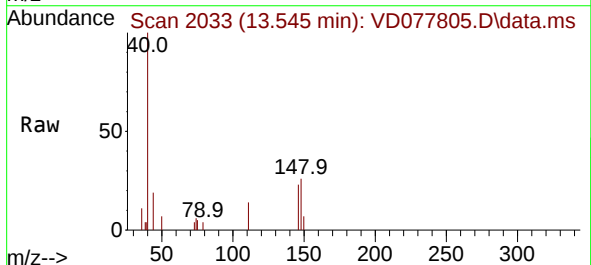
Tgt Ion:112 Resp: 2994  
Ion Ratio Lower Upper  
112 100  
114 23.9 22.5 41.9  
77 45.4 46.4 69.6

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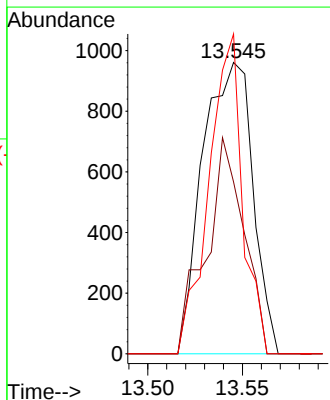
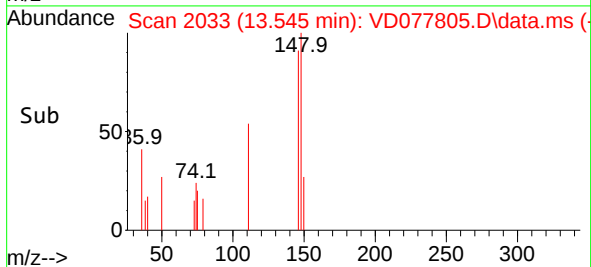
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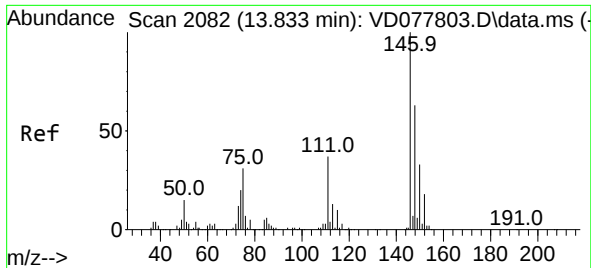


#65  
1,4-Dichlorobenzene  
Concen: 16.485 ug/L  
RT: 13.545 min Scan# 2033  
Delta R.T. 0.006 min  
Lab File: VD077805.D  
Acq: 11 Dec 2023 10:56



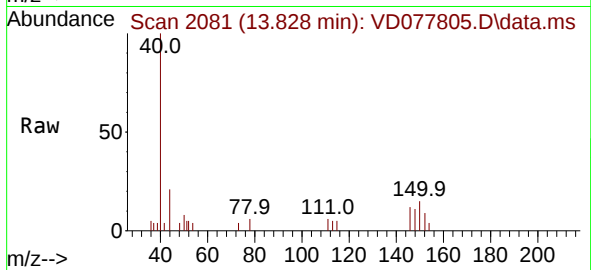
Tgt Ion:146 Resp: 1770  
Ion Ratio Lower Upper  
146 100  
111 59.0 26.4 49.0#  
148 109.8 44.0 81.8#





#67  
 1,2-Dichlorobenzene  
 Concen: 8.162 ug/L  
 RT: 13.828 min Scan# 2081  
 Delta R.T. -0.006 min  
 Lab File: VD077805.D  
 Acq: 11 Dec 2023 10:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 E0LQ4



Tgt Ion:146 Resp: 760  
 Ion Ratio Lower Upper  
 146 100  
 111 48.0 31.4 47.2  
 148 91.7 50.2 75.2

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