

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120423\  
 Data File : VD077735.D  
 Acq On : 04 Dec 2023 11:00  
 Operator : JC/SY  
 Sample : 04929-13RE  
 Misc : 1.68G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 05 00:05:12 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

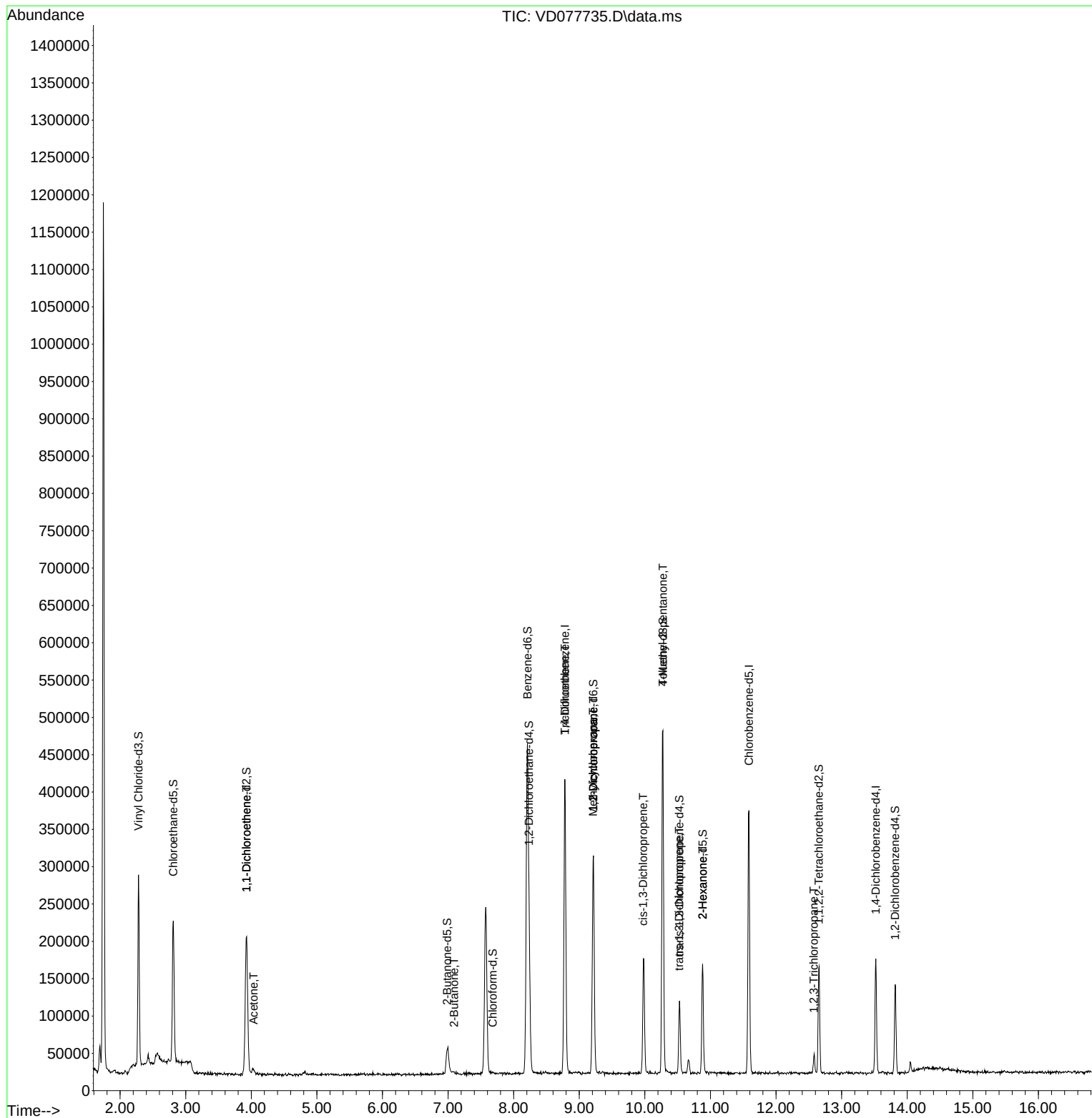
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 348832   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.587 | 117   | 208772   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 41491    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.281  | 65    | 234520   | 24.653   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.600%   |
| 7) Chloroethane-d5            | 2.811  | 69    | 201924   | 26.631   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 106.520%  |
| 11) 1,1-Dichloroethene-d2     | 3.928  | 65    | 53395    | 21.648   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.600%   |
| 21) 2-Butanone-d5             | 6.987  | 46    | 64958    | 54.029   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 108.060%  |
| 24) Chloroform-d              | 7.681  | 84    | 361      | 0.038    | ug/L   | 0.11      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 0.160%#   |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 128146   | 26.902   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 107.600%  |
| 32) Benzene-d6                | 8.210  | 84    | 469625   | 37.350   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 149.400%# |
| 36) 1,2-Dichloropropane-d6    | 9.216  | 67    | 147537   | 38.457   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 153.840%# |
| 41) Toluene-d8                | 10.275 | 98    | 323002   | 27.909   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 111.640%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 53865    | 31.751   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 127.000%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 53584    | 81.055   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 162.120%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 75851    | 27.360   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 109.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 33009    | 22.239   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 88.960%   |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 12) 1,1-Dichloroethene        | 3.928  | 96    | 1311     | 0.276    | ug/L # | 1         |
| 13) Acetone                   | 4.034  | 43    | 5040     | 3.272    | ug/L   | 95        |
| 22) 2-Butanone                | 7.093  | 43    | 1673     | 0.965    | ug/L   | 92        |
| 34) Trichloroethene           | 8.781  | 95    | 10295    | 3.052    | ug/L # | 5         |
| 35) Methylcyclohexane         | 9.210  | 83    | 33964    | 5.672    | ug/L # | 20        |
| 37) 1,2-Dichloropropane       | 9.216  | 63    | 15510    | 4.378    | ug/L # | 87        |
| 39) cis-1,3-Dichloropropene   | 9.975  | 75    | 4007     | 0.724    | ug/L # | 52        |
| 40) 4-Methyl-2-pentanone      | 10.275 | 43    | 1582     | 0.809    | ug/L # | 1         |
| 44) trans-1,3-Dichloropropene | 10.522 | 75    | 2349     | 0.508    | ug/L   | 86        |
| 48) 2-Hexanone                | 10.881 | 43    | 5886     | 3.542    | ug/L # | 68        |
| 61) 1,2,3-Trichloropropane    | 12.575 | 75    | 298      | 0.390    | ug/L # | 37        |
| -----                         |        |       |          |          |        |           |

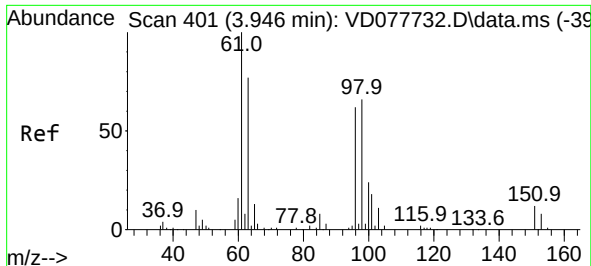
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Tue Dec 05 00:04:05 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.276 ug/L

RT: 3.928 min Scan# 398

Delta R.T. -0.018 min

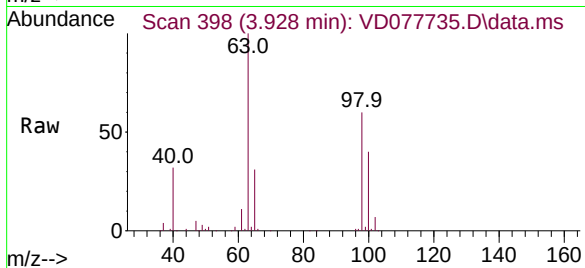
Lab File: VD077735.D

Acq: 04 Dec 2023 11:00

Instrument :

MSVOA\_D

ClientSampleId :



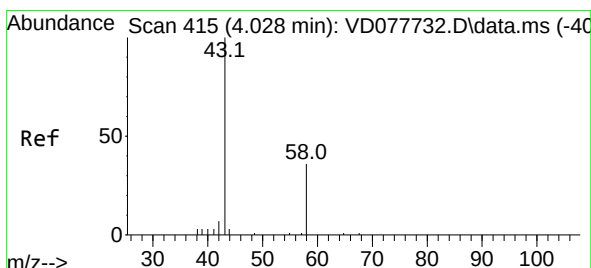
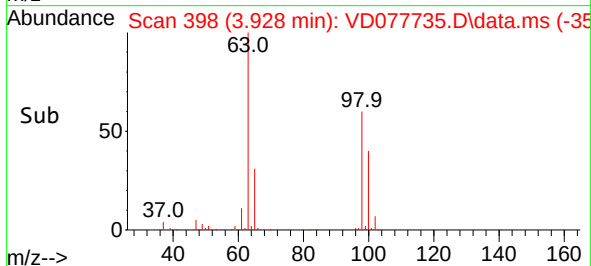
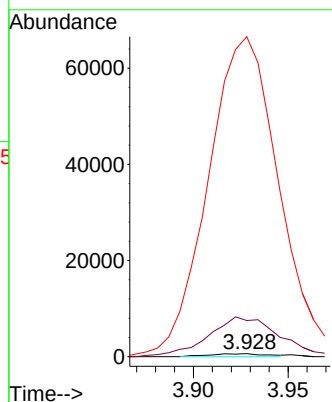
Tgt Ion: 96 Resp: 1311

Ion Ratio Lower Upper

96 100

61 1180.1 108.6 201.6#

63 10432.6 60.3 111.9#



#13

Acetone

Concen: 3.272 ug/L

RT: 4.034 min Scan# 416

Delta R.T. 0.006 min

Lab File: VD077735.D

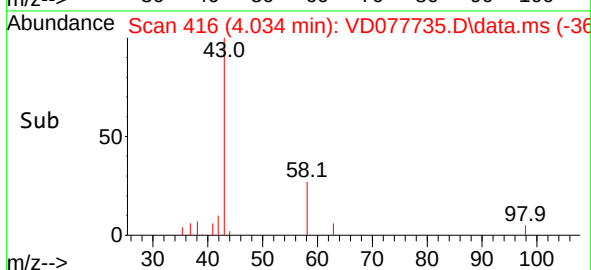
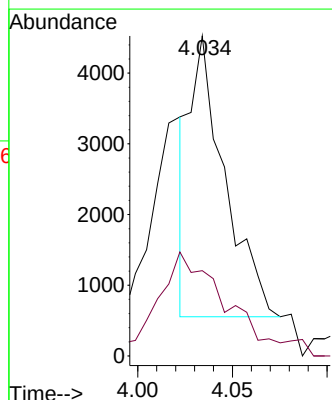
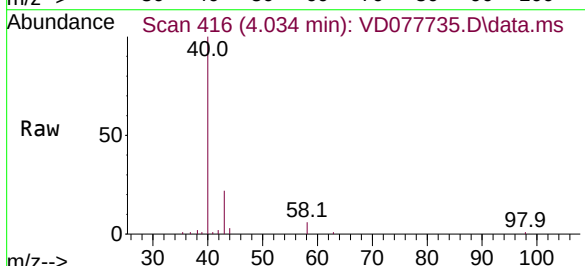
Acq: 04 Dec 2023 11:00

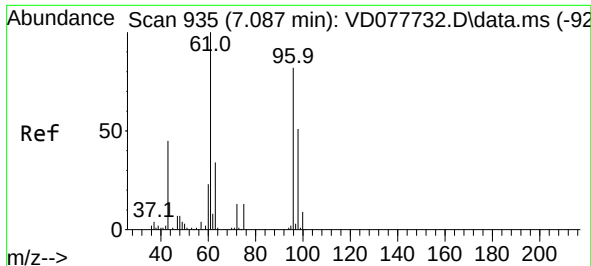
Tgt Ion: 43 Resp: 5040

Ion Ratio Lower Upper

43 100

58 36.4 0.0 67.2

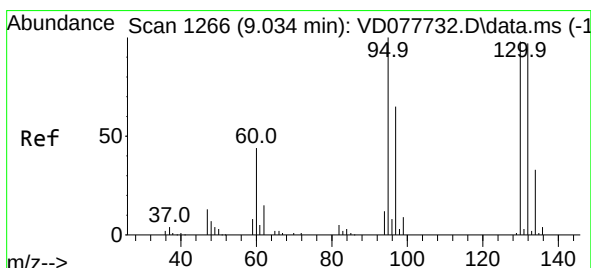
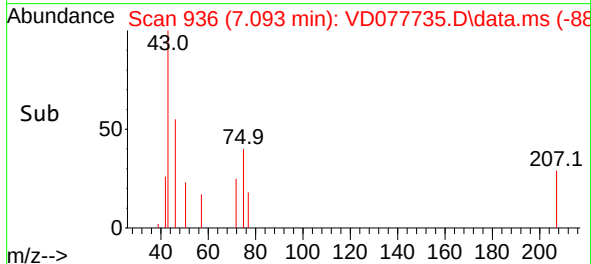
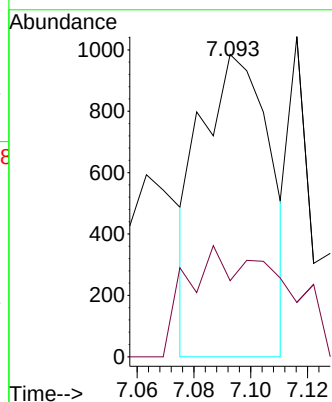
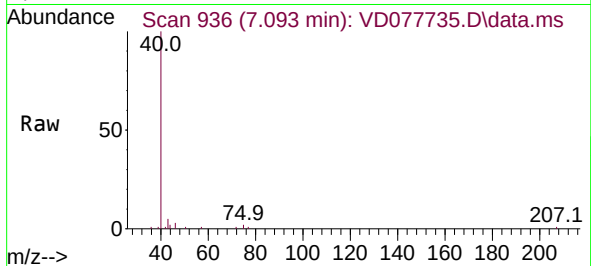




#22  
2-Butanone  
Concen: 0.965 ug/L  
RT: 7.093 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD077735.D  
Acq: 04 Dec 2023 11:00

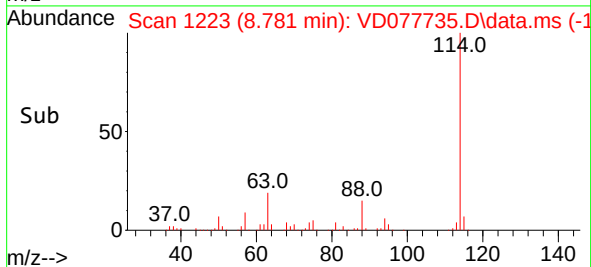
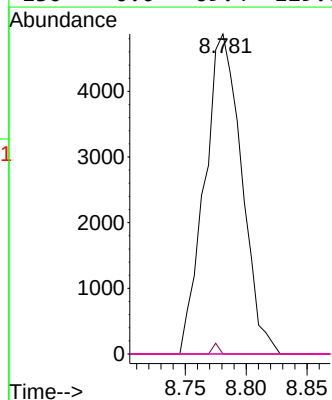
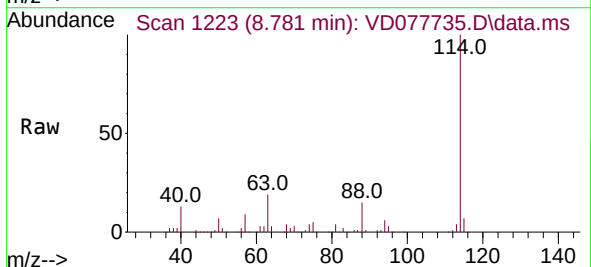
Instrument :  
MSVOA\_D  
ClientSampleId :

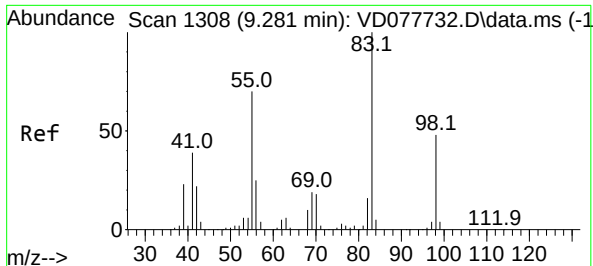
Tgt Ion: 43 Resp: 1673  
Ion Ratio Lower Upper  
43 100  
72 11.1 7.2 21.6



#34  
Trichloroethene  
Concen: 3.052 ug/L  
RT: 8.781 min Scan# 1223  
Delta R.T. -0.253 min  
Lab File: VD077735.D  
Acq: 04 Dec 2023 11:00

Tgt Ion: 95 Resp: 10295  
Ion Ratio Lower Upper  
95 100  
97 0.0 44.2 82.0#  
132 0.0 67.5 125.3#  
130 0.0 69.4 129.0#





#35

Methylcyclohexane

Concen: 5.672 ug/L

RT: 9.210 min Scan# 1296

Delta R.T. -0.071 min

Lab File: VD077735.D

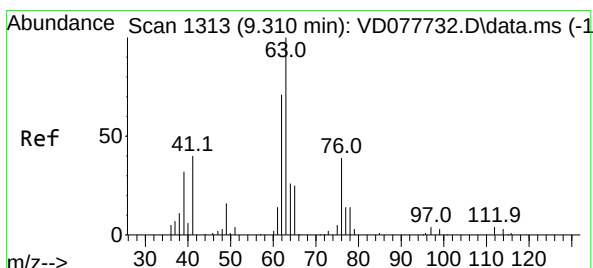
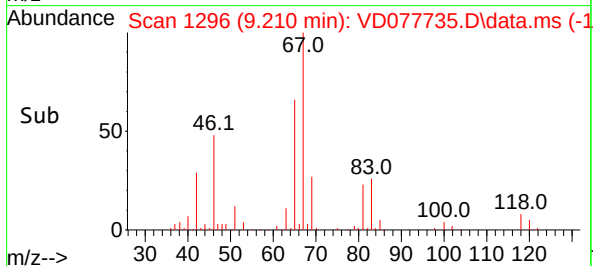
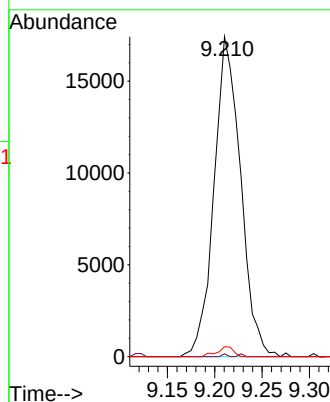
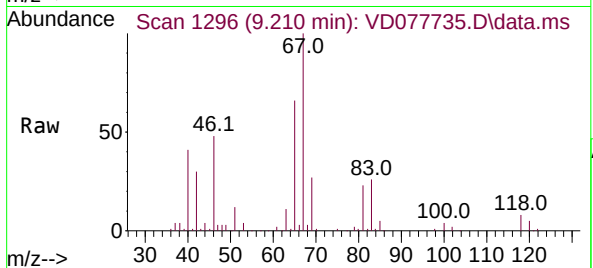
Acq: 04 Dec 2023 11:00

Instrument :

MSVOA\_D

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 33964 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.0      | 59.8 89.6#  |
| 98 1.6      | 38.5 57.7#  |



#37

1,2-Dichloropropane

Concen: 4.378 ug/L

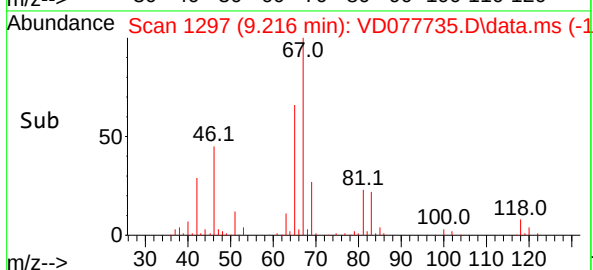
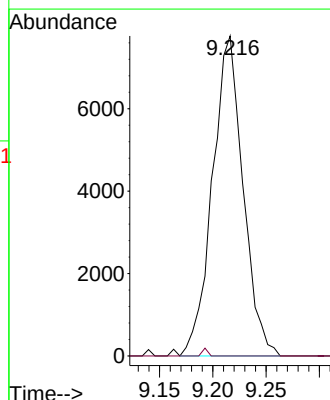
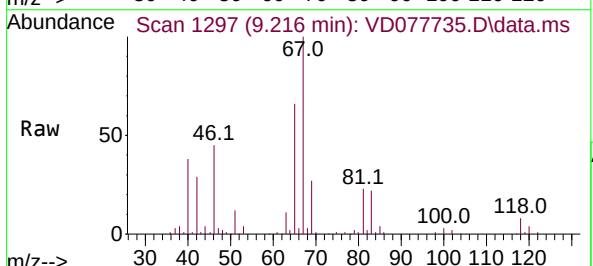
RT: 9.216 min Scan# 1297

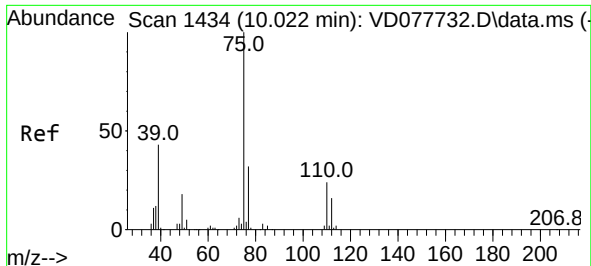
Delta R.T. -0.094 min

Lab File: VD077735.D

Acq: 04 Dec 2023 11:00

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 15510 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 112 0.0     | 3.5 5.3#    |





#39

cis-1,3-Dichloropropene

Concen: 0.724 ug/L

RT: 9.975 min Scan# 1426

Delta R.T. -0.047 min

Lab File: VD077735.D

Acq: 04 Dec 2023 11:00

Instrument :

MSVOA\_D

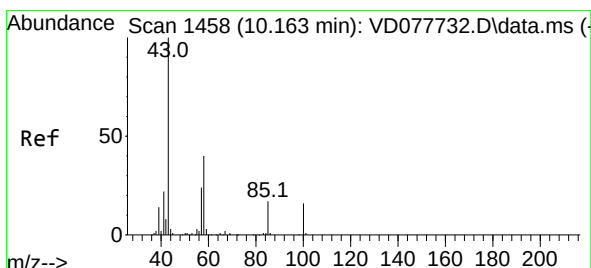
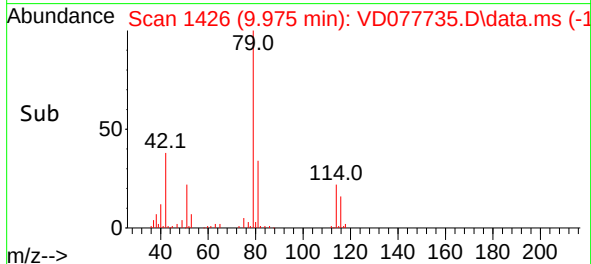
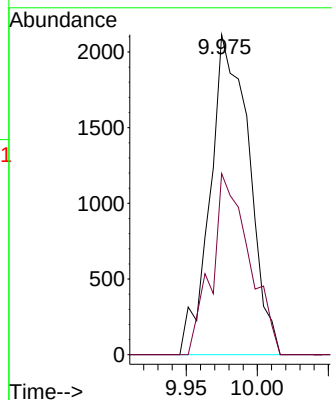
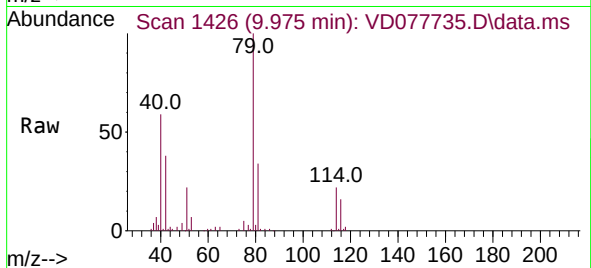
ClientSampleId :

Tgt Ion: 75 Resp: 4007

Ion Ratio Lower Upper

75 100

77 56.6 21.2 39.4#



#40

4-Methyl-2-pentanone

Concen: 0.809 ug/L

RT: 10.275 min Scan# 1477

Delta R.T. 0.112 min

Lab File: VD077735.D

Acq: 04 Dec 2023 11:00

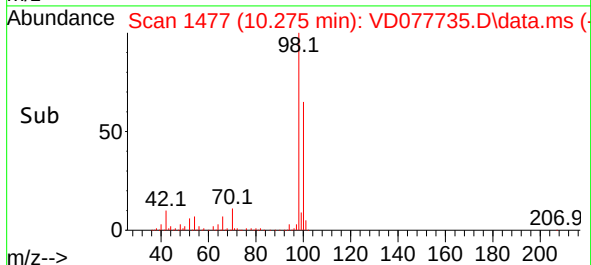
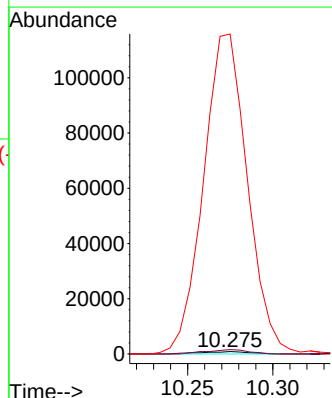
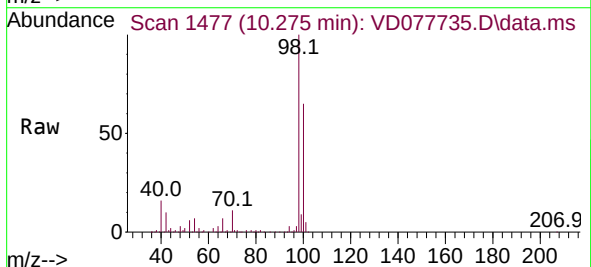
Tgt Ion: 43 Resp: 1582

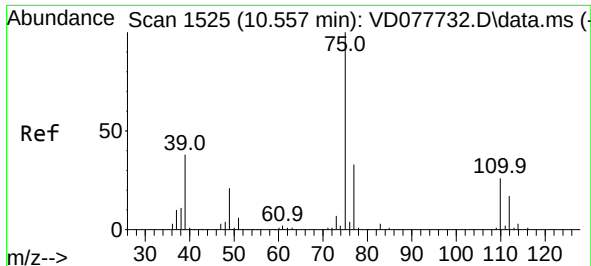
Ion Ratio Lower Upper

43 100

58 173.0 31.0 46.4#

100 13148.7 11.9 17.9#

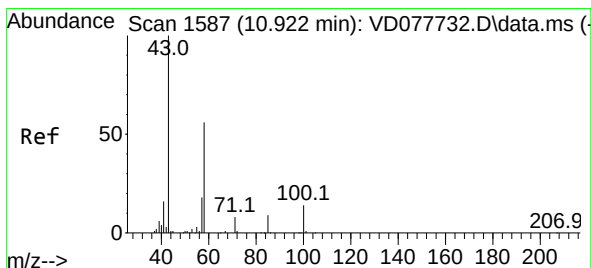
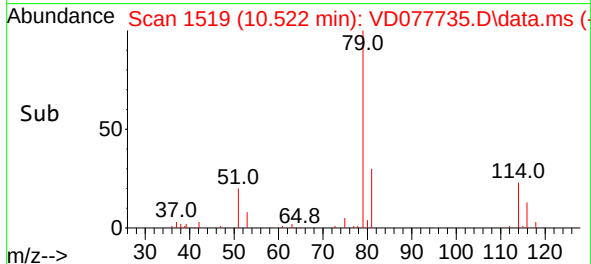
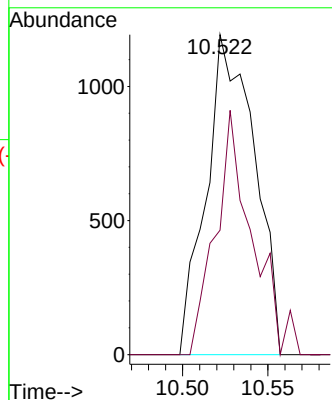
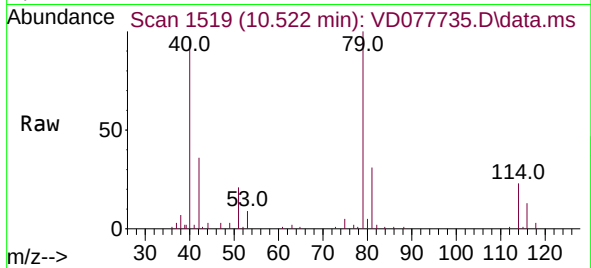




#44  
trans-1,3-Dichloropropene  
Concen: 0.508 ug/L  
RT: 10.522 min Scan# 11  
Delta R.T. -0.035 min  
Lab File: VD077735.D  
Acq: 04 Dec 2023 11:00

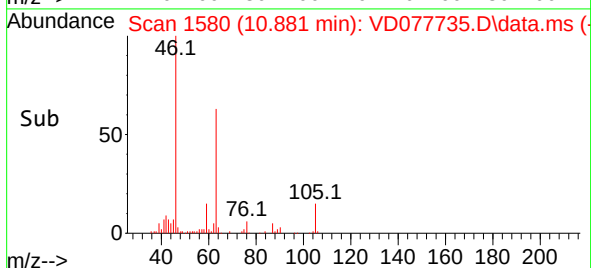
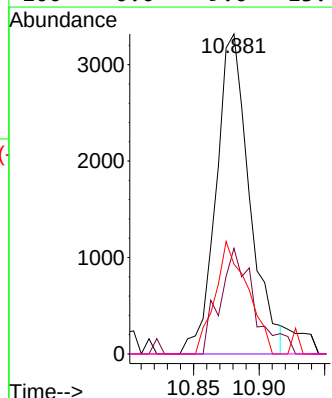
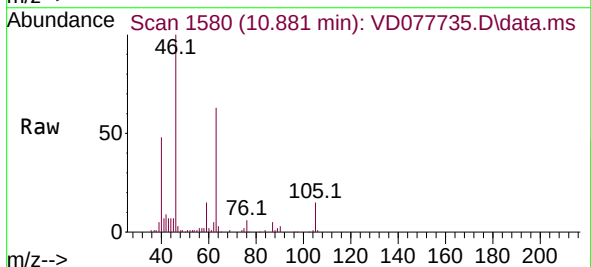
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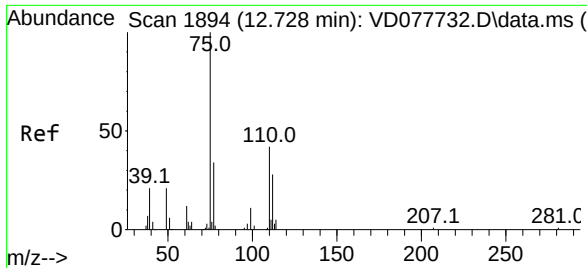
Tgt Ion: 75 Resp: 2349  
Ion Ratio Lower Upper  
75 100  
77 38.9 22.0 40.8



#48  
2-Hexanone  
Concen: 3.542 ug/L  
RT: 10.881 min Scan# 1580  
Delta R.T. -0.041 min  
Lab File: VD077735.D  
Acq: 04 Dec 2023 11:00

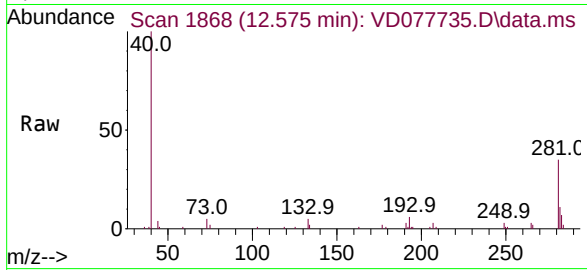
Tgt Ion: 43 Resp: 5886  
Ion Ratio Lower Upper  
43 100  
58 31.8 43.0 64.6#  
57 34.1 13.8 20.8#  
100 0.0 9.0 13.4#





#61  
 1,2,3-Trichloropropane  
 Concen: 0.390 ug/L  
 RT: 12.575 min Scan# 11  
 Delta R.T. -0.153 min  
 Lab File: VD077735.D  
 Acq: 04 Dec 2023 11:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 298   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 26.8  | 40.2# |
| 110      | 0.0   | 33.4  | 50.2# |

