

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120423\  
 Data File : VD077739.D  
 Acq On : 04 Dec 2023 12:46  
 Operator : JC/SY  
 Sample : 04929-16  
 Misc : 5.67G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 C0AR4

Quant Time: Dec 05 00:06:10 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

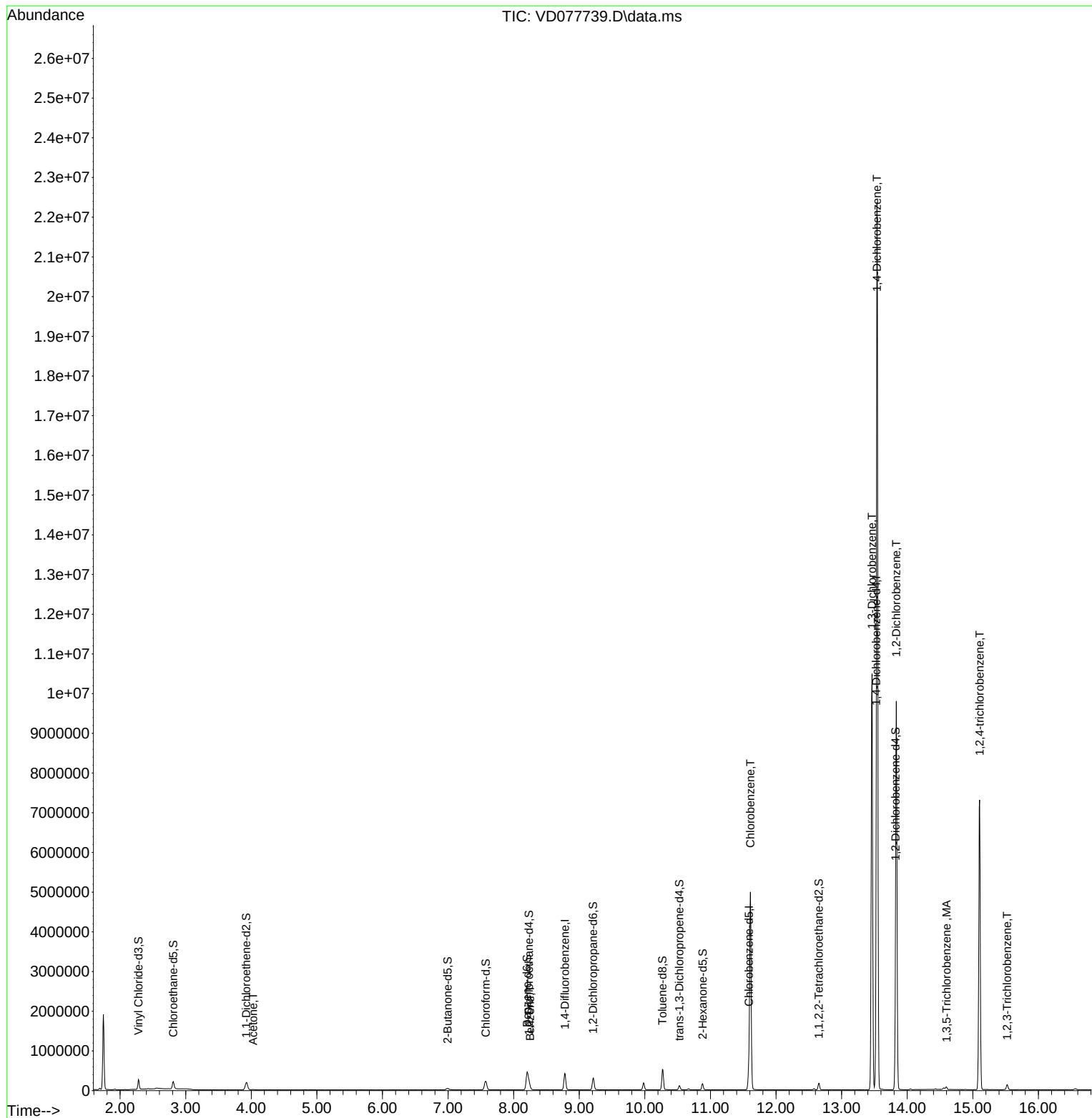
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|-------|-----------|
| -----                         |        |       |          |          |       |           |
| Internal Standards            |        |       |          |          |       |           |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 364164   | 25.000   | ug/L  | 0.00      |
| 28) Chlorobenzene-d5          | 11.587 | 117   | 273324   | 25.000   | ug/L  | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.528 | 152   | 92596    | 25.000   | ug/L  | # 0.00    |
|                               |        |       |          |          |       |           |
| System Monitoring Compounds   |        |       |          |          |       |           |
| 4) Vinyl Chloride-d3          | 2.281  | 65    | 222940   | 22.449   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 89.800%   |
| 7) Chloroethane-d5            | 2.811  | 69    | 191994   | 24.255   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 97.040%   |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 65    | 54922    | 21.329   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 85.320%   |
| 21) 2-Butanone-d5             | 6.993  | 46    | 64086    | 51.059   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 102.120%  |
| 24) Chloroform-d              | 7.575  | 84    | 232798   | 23.719   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 94.880%   |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 129961   | 26.134   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 104.520%  |
| 32) Benzene-d6                | 8.204  | 84    | 477537   | 29.010   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 116.040%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 152111   | 30.285   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 121.160%# |
| 41) Toluene-d8                | 10.269 | 98    | 364148   | 24.033   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 96.120%   |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 61346    | 27.620   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 110.480%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 55009    | 63.558   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 127.120%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 83847    | 23.102   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 92.400%   |
| 66) 1,2-Dichlorobenzene-d4    | 13.822 | 152   | 66777    | 20.159   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 80.640%   |
|                               |        |       |          |          |       |           |
| Target Compounds              |        |       |          |          |       | Qvalue    |
| 13) Acetone                   | 4.028  | 43    | 11437    | 7.112    | ug/L  | 100       |
| 33) Benzene                   | 8.251  | 78    | 18069    | 1.016    | ug/L  | 100       |
| 51) Chlorobenzene             | 11.610 | 112   | 2699605  | 230.404  | ug/L  | 95        |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146   | 4221156  | 706.222  | ug/L  | 99        |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146   | 8524003  | 1374.349 | ug/L  | 95        |
| 67) 1,2-Dichlorobenzene       | 13.833 | 146   | 3818230  | 709.916  | ug/L  | 99        |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180   | 20239    | 4.973    | ug/L  | 97        |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180   | 2330175  | 674.401  | ug/L  | 99        |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180   | 43316    | 14.301   | ug/L  | 99        |
| -----                         |        |       |          |          |       |           |

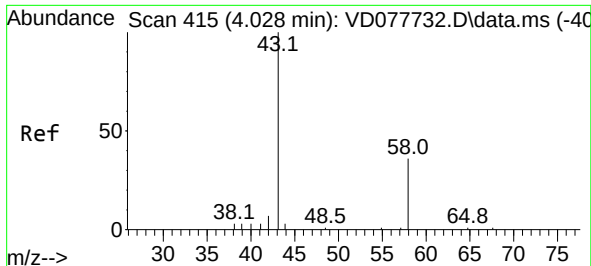
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 7.112 ug/L

RT: 4.028 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD077739.D

Acq: 04 Dec 2023 12:46

Instrument :

MSVOA\_D

ClientSampleId :

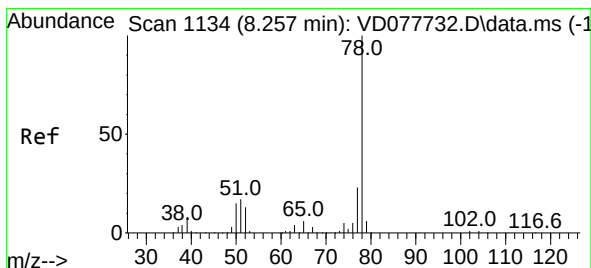
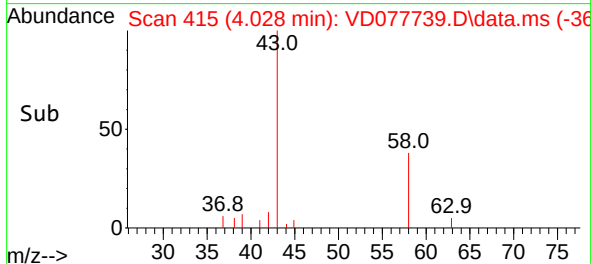
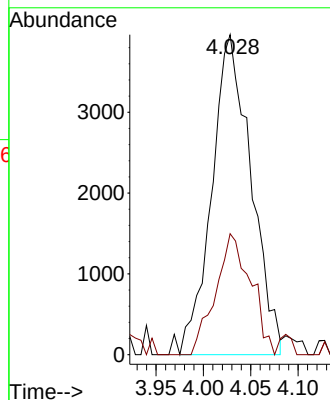
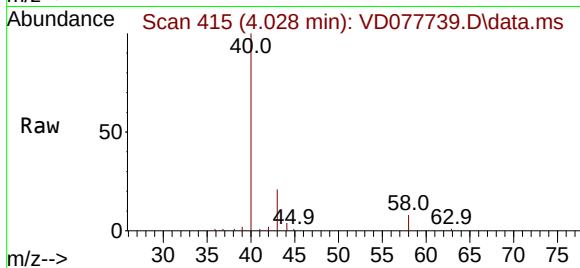
C0AR4

Tgt Ion: 43 Resp: 11437

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.2



#33

Benzene

Concen: 1.016 ug/L

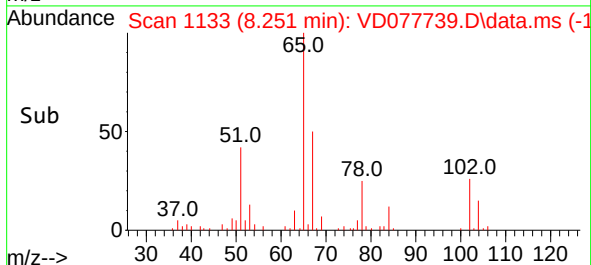
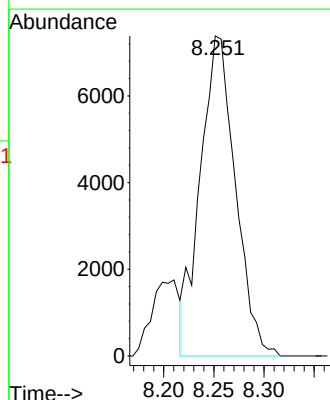
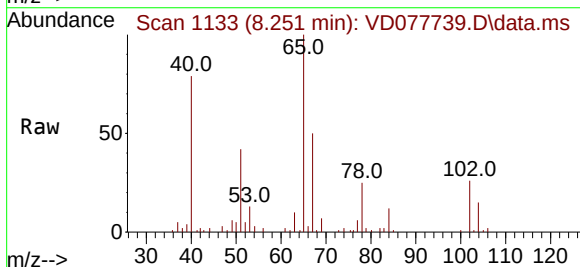
RT: 8.251 min Scan# 1133

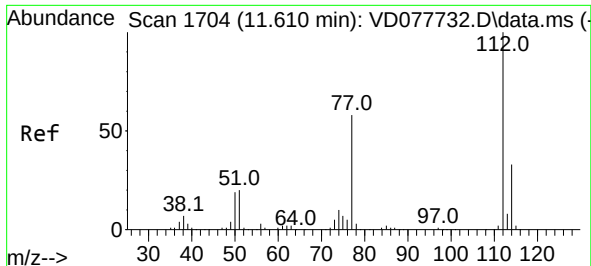
Delta R.T. -0.006 min

Lab File: VD077739.D

Acq: 04 Dec 2023 12:46

Tgt Ion: 78 Resp: 18069

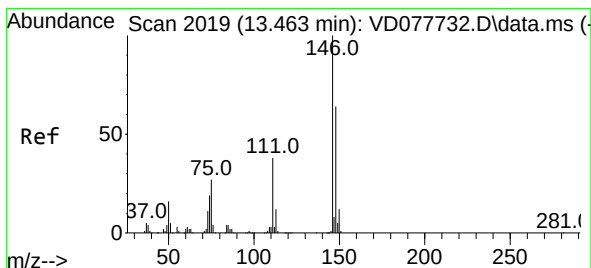
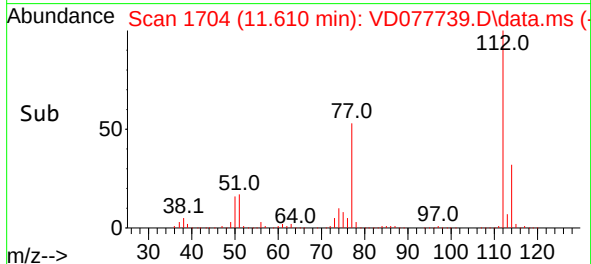
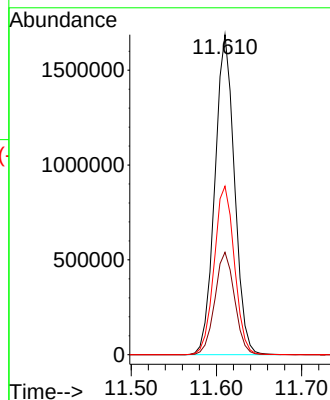
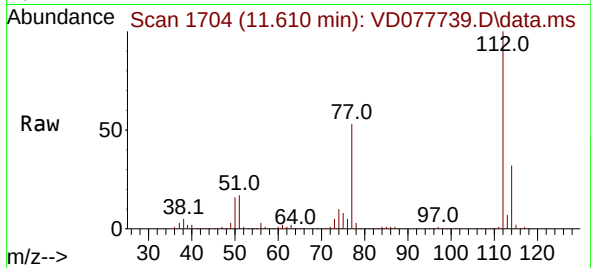




#51  
Chlorobenzene  
Concen: 230.404 ug/L  
RT: 11.610 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077739.D  
Acq: 04 Dec 2023 12:46

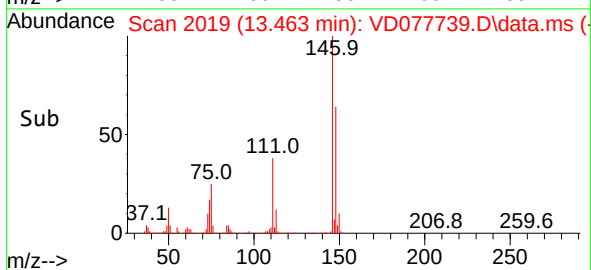
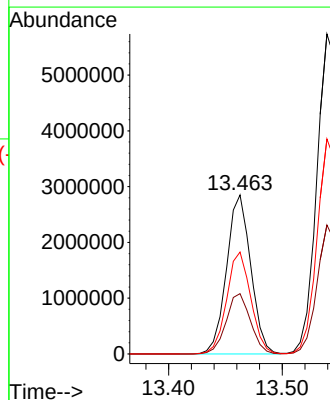
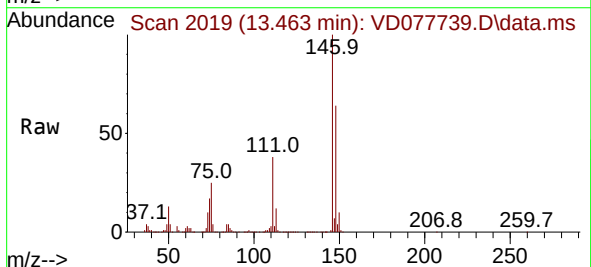
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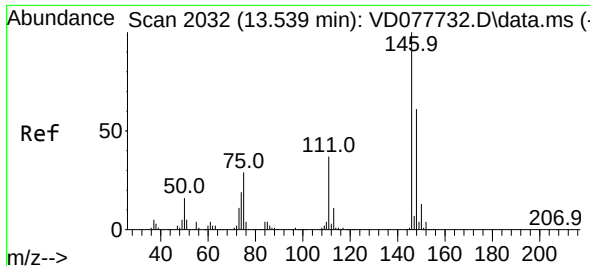
Tgt Ion:112 Resp: 2699605  
Ion Ratio Lower Upper  
112 100  
114 32.0 22.5 41.9  
77 52.6 46.4 69.6



#64  
1,3-Dichlorobenzene  
Concen: 706.222 ug/L  
RT: 13.463 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: VD077739.D  
Acq: 04 Dec 2023 12:46

Tgt Ion:146 Resp: 4221156  
Ion Ratio Lower Upper  
146 100  
111 37.9 26.6 49.4  
148 64.1 44.0 81.6

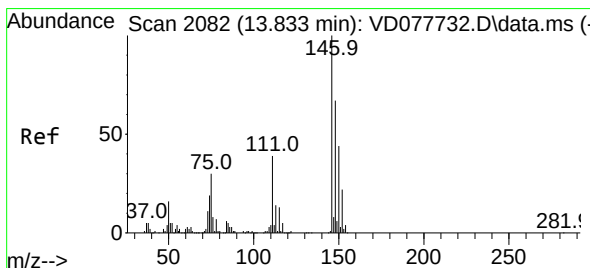
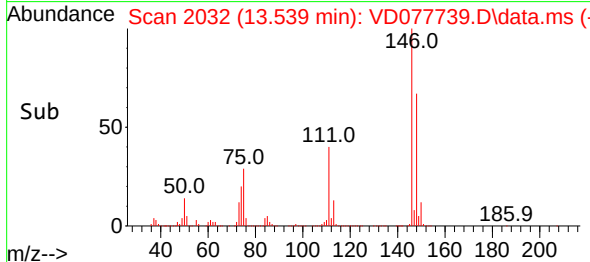
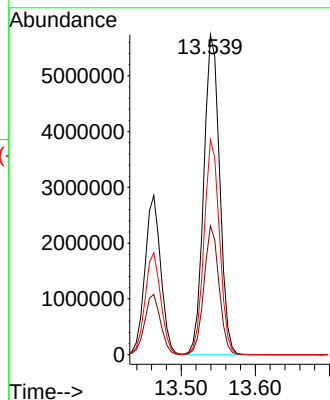
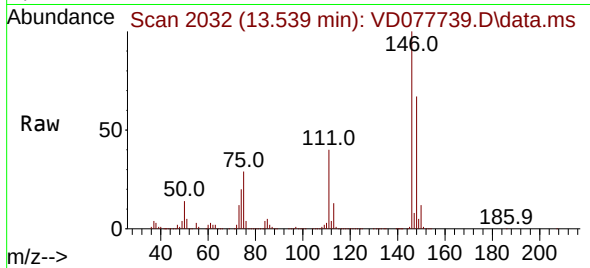




#65  
1,4-Dichlorobenzene  
Concen: 1374.349 ug/L  
RT: 13.539 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VD077739.D  
Acq: 04 Dec 2023 12:46

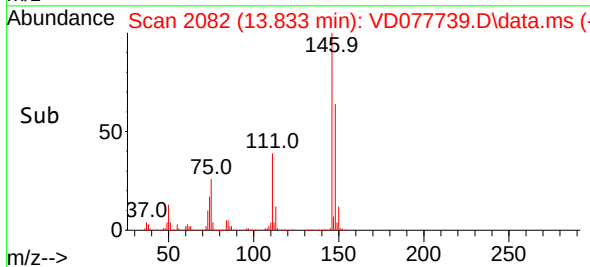
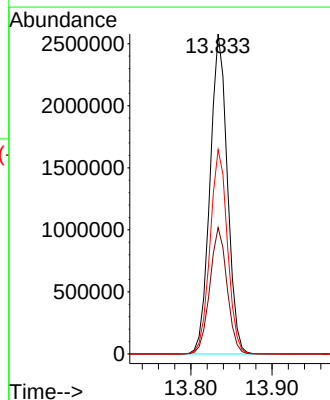
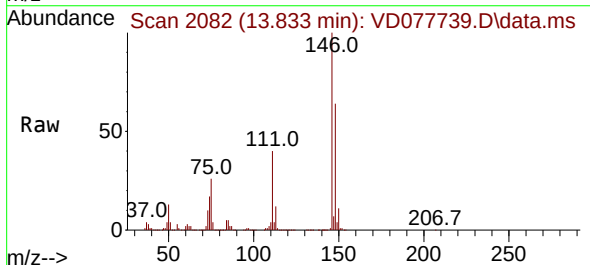
Instrument :  
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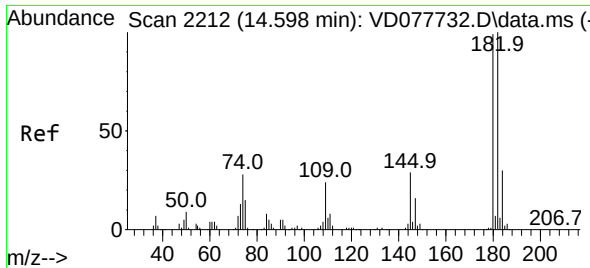
Tgt Ion:146 Resp: 8524003  
Ion Ratio Lower Upper  
146 100  
111 40.3 26.4 49.0  
148 67.2 44.0 81.8



#67  
1,2-Dichlorobenzene  
Concen: 709.916 ug/L  
RT: 13.833 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VD077739.D  
Acq: 04 Dec 2023 12:46

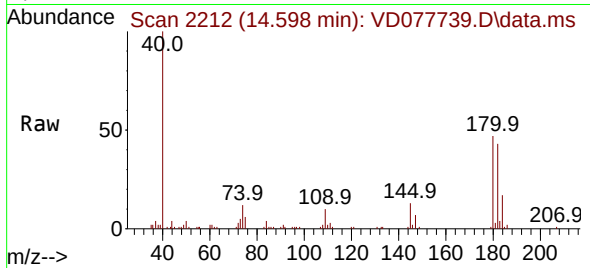
Tgt Ion:146 Resp: 3818230  
Ion Ratio Lower Upper  
146 100  
111 39.5 31.4 47.2  
148 63.9 50.2 75.2



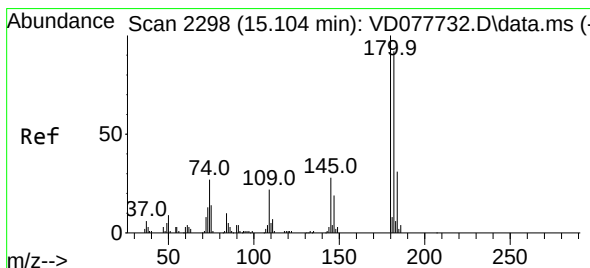
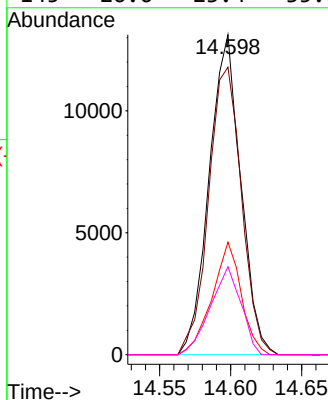
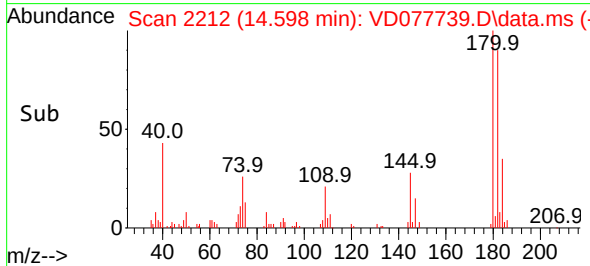


#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.973 ug/L  
 RT: 14.598 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD077739.D  
 Acq: 04 Dec 2023 12:46

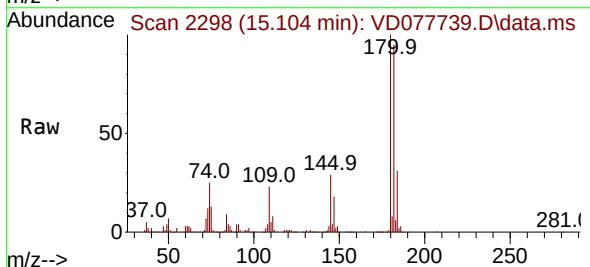
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 C0AR4



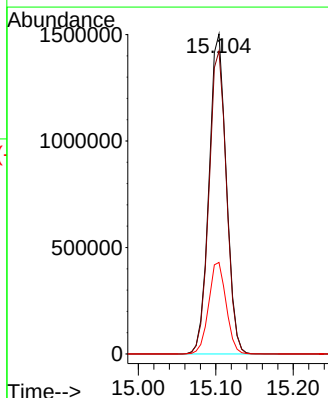
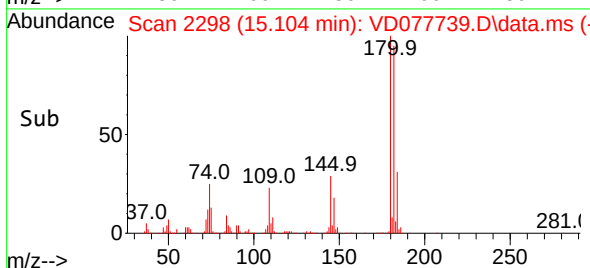
Tgt Ion:180 Resp: 20239  
 Ion Ratio Lower Upper  
 180 100  
 182 93.7 77.0 115.4  
 184 32.7 24.3 36.5  
 145 26.6 23.4 35.0

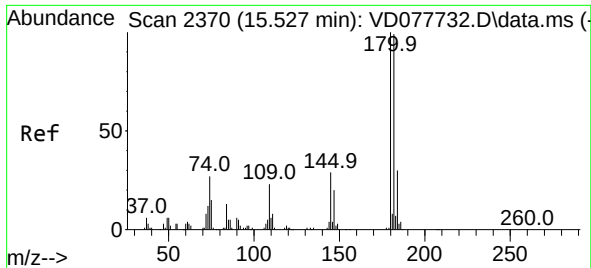


#70  
 1,2,4-trichlorobenzene  
 Concen: 674.401 ug/L  
 RT: 15.104 min Scan# 2298  
 Delta R.T. 0.000 min  
 Lab File: VD077739.D  
 Acq: 04 Dec 2023 12:46



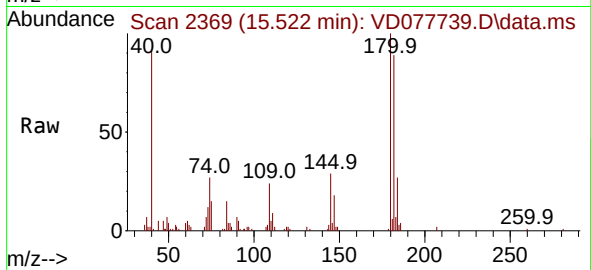
Tgt Ion:180 Resp: 2330175  
 Ion Ratio Lower Upper  
 180 100  
 182 95.6 77.0 115.6  
 145 28.9 23.9 35.9





#72  
 1,2,3-Trichlorobenzene  
 Concen: 14.301 ug/L  
 RT: 15.522 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VD077739.D  
 Acq: 04 Dec 2023 12:46

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 C0AR4



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.8  | 77.3  | 115.9 |
| 145     | 29.3  | 25.2  | 37.8  |

