

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV041024\  
 Data File : VV035108.D  
 Acq On : 10 Apr 2024 14:52  
 Operator : SY/MD  
 Sample : P2006-13DL 200X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MC0RF2DL

Quant Time: Apr 11 06:58:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 04:53:36 2024  
 Response via : Initial Calibration

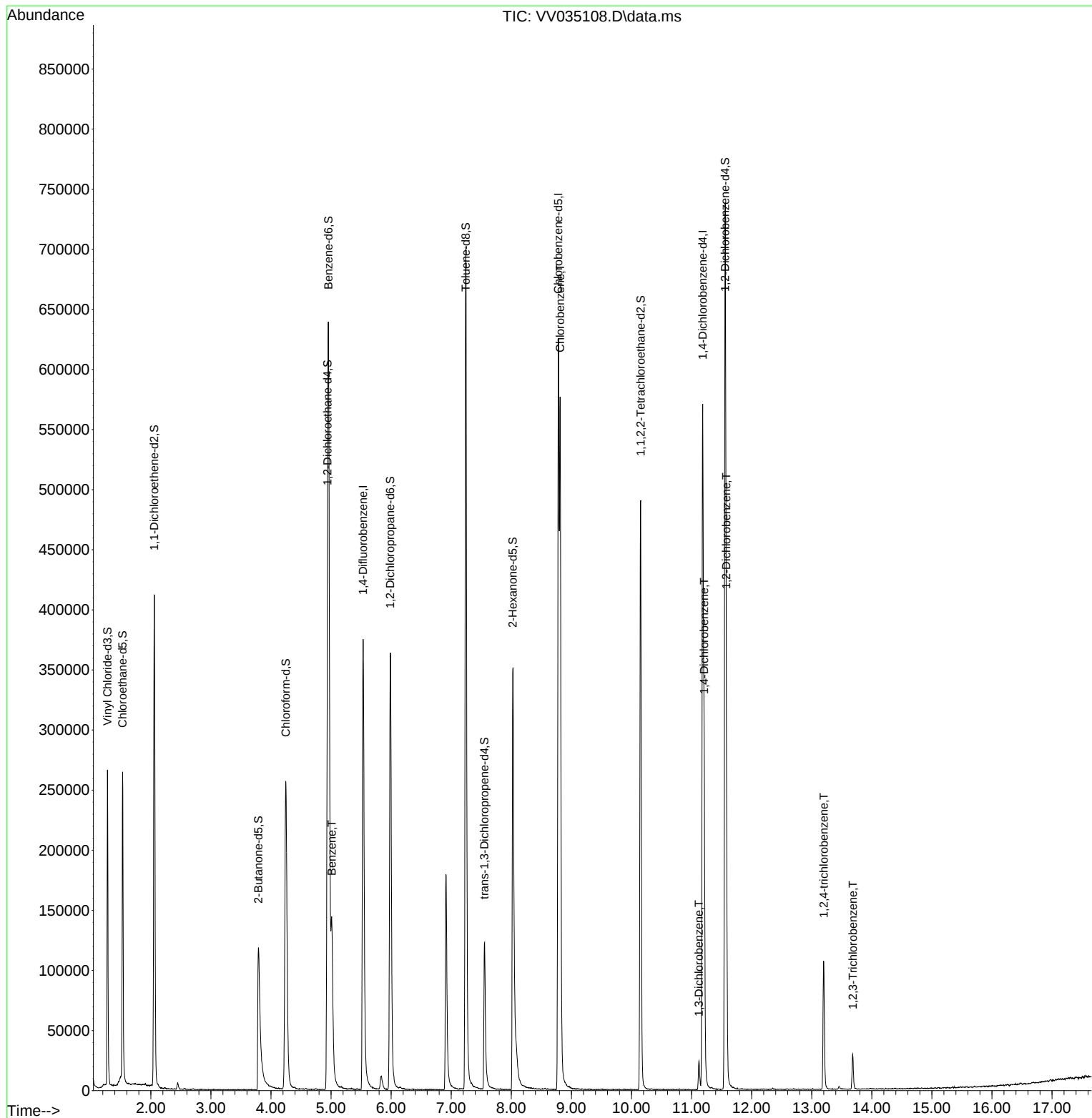
| Compound                      | R.T. QIon      |     | Response | Conc       | Units | Dev(Min) |
|-------------------------------|----------------|-----|----------|------------|-------|----------|
| -----                         |                |     |          |            |       |          |
| Internal Standards            |                |     |          |            |       |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114 | 328365   | 50.000     | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117 | 320663   | 50.000     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185         | 152 | 138971   | 50.000     | ug/L  | 0.00     |
| System Monitoring Compounds   |                |     |          |            |       |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65  | 167782   | 52.908     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |     | Recovery | = 105.820% |       |          |
| 7) Chloroethane-d5            | 1.529          | 69  | 158269   | 57.461     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |     | Recovery | = 114.920% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.056          | 65  | 71301    | 51.292     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |     | Recovery | = 102.580% |       |          |
| 21) 2-Butanone-d5             | 3.789          | 46  | 212909   | 113.203    | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |     | Recovery | = 113.200% |       |          |
| 24) Chloroform-d              | 4.246          | 84  | 275125   | 51.601     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery | = 103.200% |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.941          | 65  | 182287   | 53.849     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery | = 107.700% |       |          |
| 32) Benzene-d6                | 4.957          | 84  | 563267   | 52.294     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery | = 104.580% |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.986          | 67  | 184867   | 54.048     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |     | Recovery | = 108.100% |       |          |
| 41) Toluene-d8                | 7.243          | 98  | 479348   | 49.415     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |     | Recovery | = 98.840%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.551          | 79  | 76345    | 45.913     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |     | Recovery | = 91.820%  |       |          |
| 47) 2-Hexanone-d5             | 8.024          | 63  | 122947   | 95.073     | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |     | Recovery | = 95.070%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153         | 84  | 241992   | 51.377     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |     | Recovery | = 102.760% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558         | 152 | 169633   | 54.366     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |     | Recovery | = 108.740% |       |          |
| Target Compounds              |                |     |          |            |       |          |
|                               |                |     |          |            |       | Qvalue   |
| 33) Benzene                   | 5.011          | 78  | 147466   | 14.103     | ug/L  | 100      |
| 51) Chlorobenzene             | 8.812          | 112 | 296311   | 41.763     | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.124         | 146 | 9804     | 2.094      | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.210         | 146 | 107569   | 22.593     | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577         | 146 | 93676    | 20.085     | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201         | 180 | 33703    | 10.874     | ug/L  | 97       |
| 72) 1,2,3-Trichlorobenzene    | 13.683         | 180 | 9336     | 3.056      | ug/L  | 96       |
| -----                         |                |     |          |            |       |          |

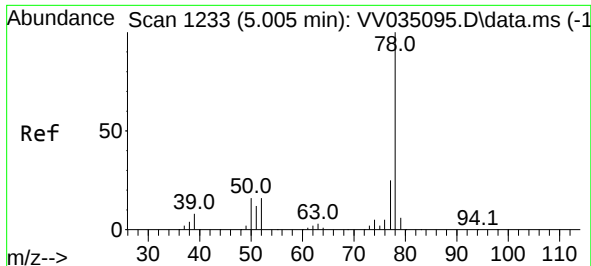
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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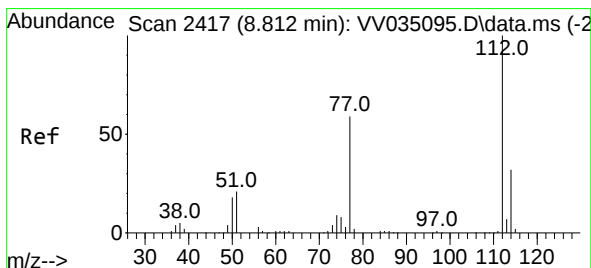
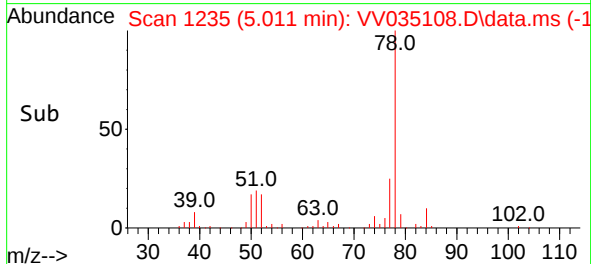
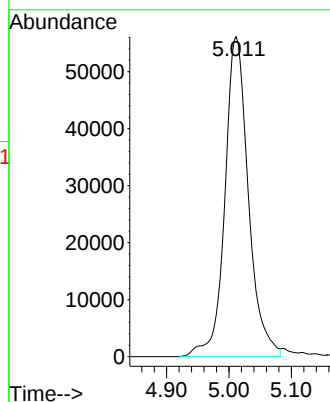
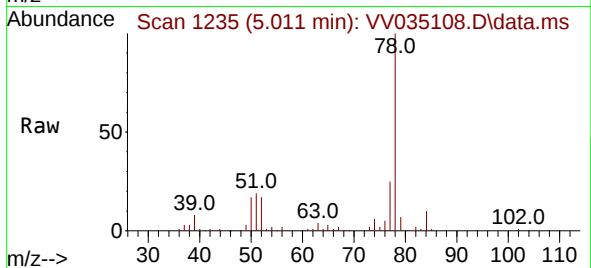




#33  
Benzene  
Concen: 14.103 ug/L  
RT: 5.011 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VV035108.D  
Acq: 10 Apr 2024 14:52

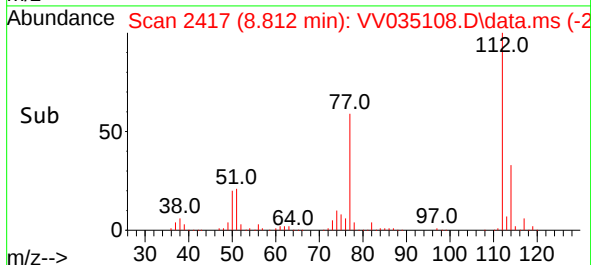
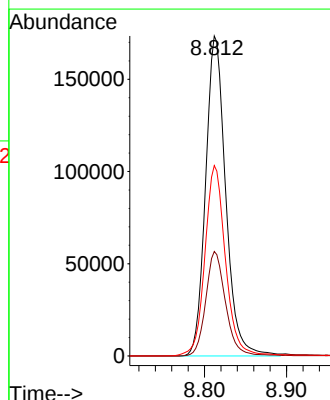
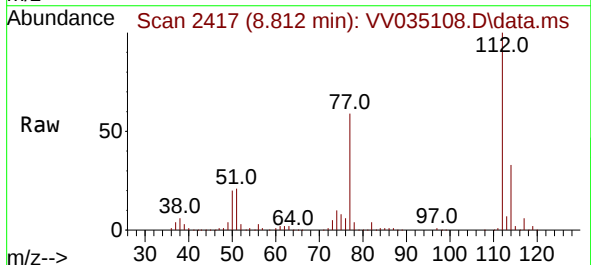
Instrument :  
MSVOA\_V  
ClientSampleId :  
MC0RF2DL

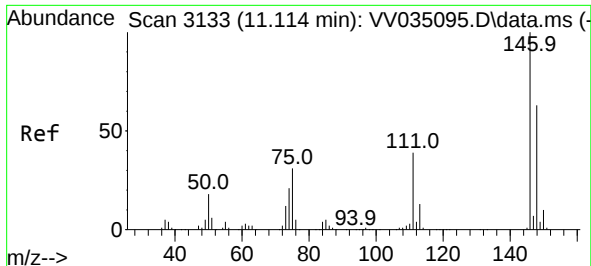
Tgt Ion: 78 Resp: 147466



#51  
Chlorobenzene  
Concen: 41.763 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: VV035108.D  
Acq: 10 Apr 2024 14:52

Tgt Ion: 112 Resp: 296311  
Ion Ratio Lower Upper  
112 100  
114 32.6 22.0 41.0  
77 59.5 47.4 71.2

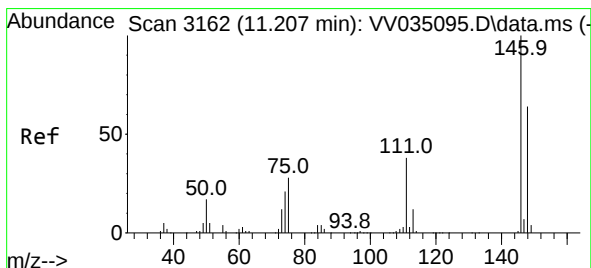
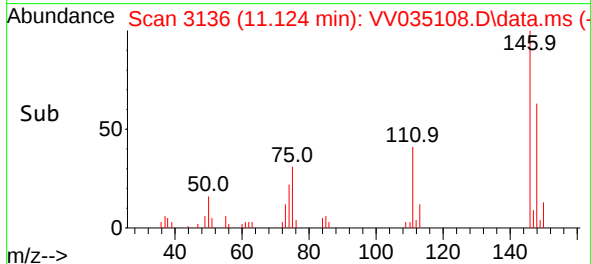
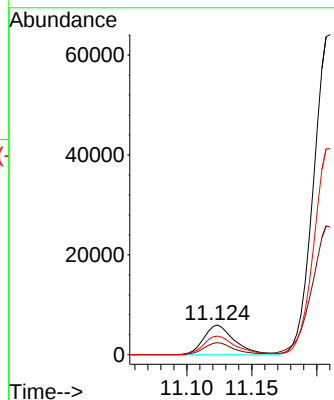
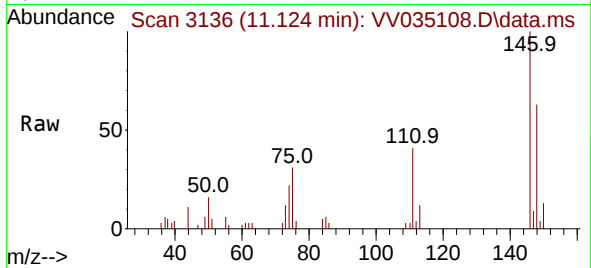




#64  
 1,3-Dichlorobenzene  
 Concen: 2.094 ug/L  
 RT: 11.124 min Scan# 3136  
 Delta R.T. 0.010 min  
 Lab File: VV035108.D  
 Acq: 10 Apr 2024 14:52

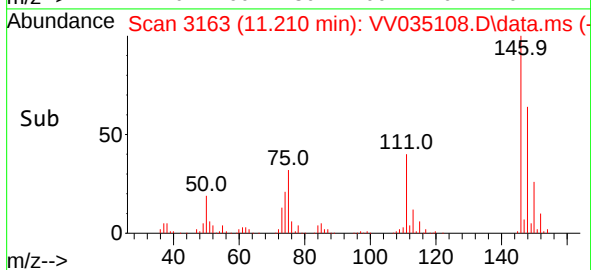
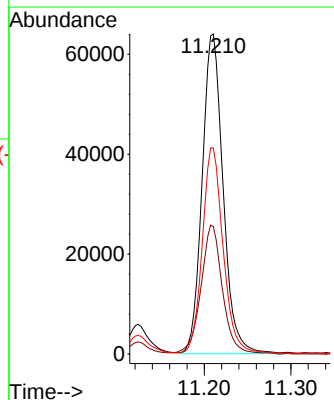
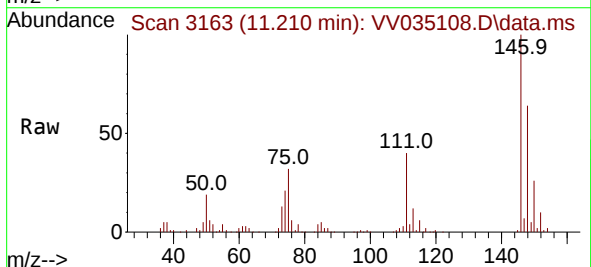
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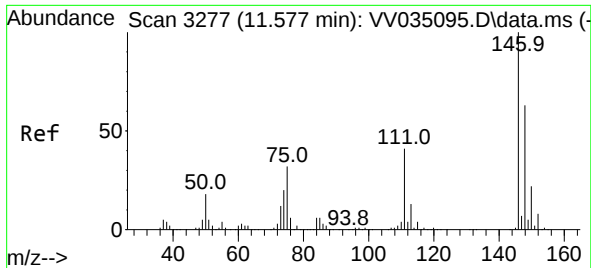
Tgt Ion:146 Resp: 9804  
 Ion Ratio Lower Upper  
 146 100  
 111 40.7 28.7 53.3  
 148 62.8 44.0 81.8



#65  
 1,4-Dichlorobenzene  
 Concen: 22.593 ug/L  
 RT: 11.210 min Scan# 3163  
 Delta R.T. 0.003 min  
 Lab File: VV035108.D  
 Acq: 10 Apr 2024 14:52

Tgt Ion:146 Resp: 107569  
 Ion Ratio Lower Upper  
 146 100  
 111 39.8 27.4 50.8  
 148 64.4 44.2 82.2

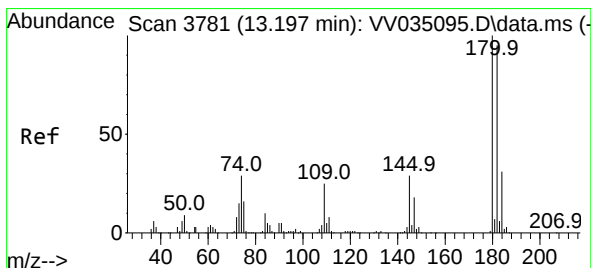
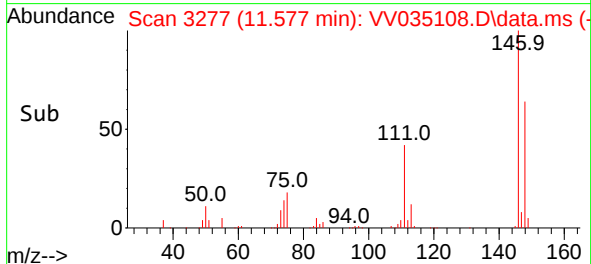
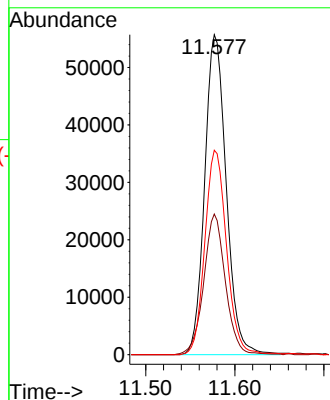
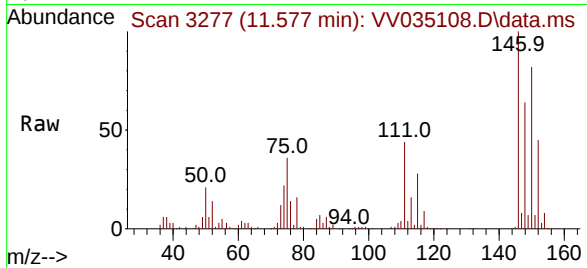




#67  
1,2-Dichlorobenzene  
Concen: 20.085 ug/L  
RT: 11.577 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV035108.D  
Acq: 10 Apr 2024 14:52

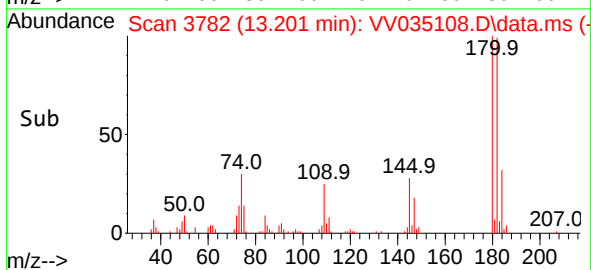
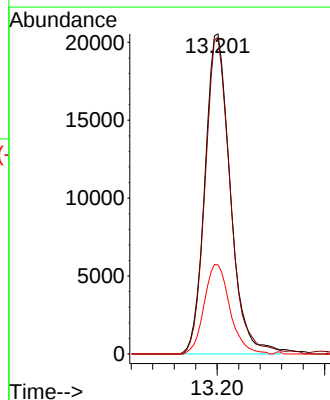
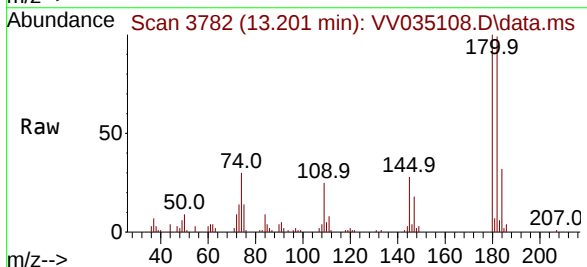
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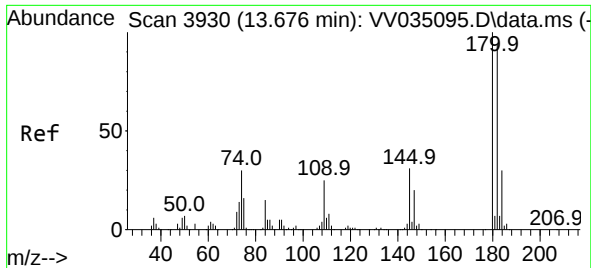
Tgt Ion:146 Resp: 93676  
Ion Ratio Lower Upper  
146 100  
111 43.9 34.6 52.0  
148 63.9 51.5 77.3



#70  
1,2,4-trichlorobenzene  
Concen: 10.874 ug/L  
RT: 13.201 min Scan# 3782  
Delta R.T. 0.006 min  
Lab File: VV035108.D  
Acq: 10 Apr 2024 14:52

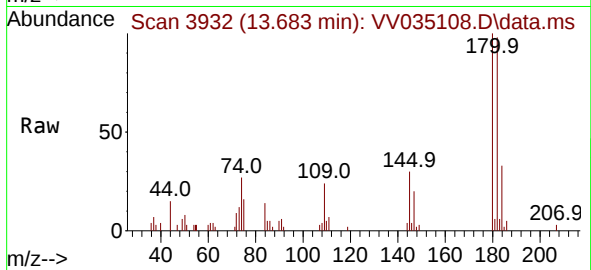
Tgt Ion:180 Resp: 33703  
Ion Ratio Lower Upper  
180 100  
182 97.7 75.6 113.4  
145 28.3 24.1 36.1





#72  
 1,2,3-Trichlorobenzene  
 Concen: 3.056 ug/L  
 RT: 13.683 min Scan# 3932  
 Delta R.T. 0.006 min  
 Lab File: VV035108.D  
 Acq: 10 Apr 2024 14:52

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MC0RF2DL



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 9336  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 98.6  | 76.2  | 114.2 |
| 145       | 29.4  | 25.8  | 38.6  |

