

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102023\  
 Data File : VV032544.D  
 Acq On : 20 Oct 2023 23:55  
 Operator : SY/MD  
 Sample : 04993-13  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 23 02:58:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 21 02:44:24 2023  
 Response via : Initial Calibration

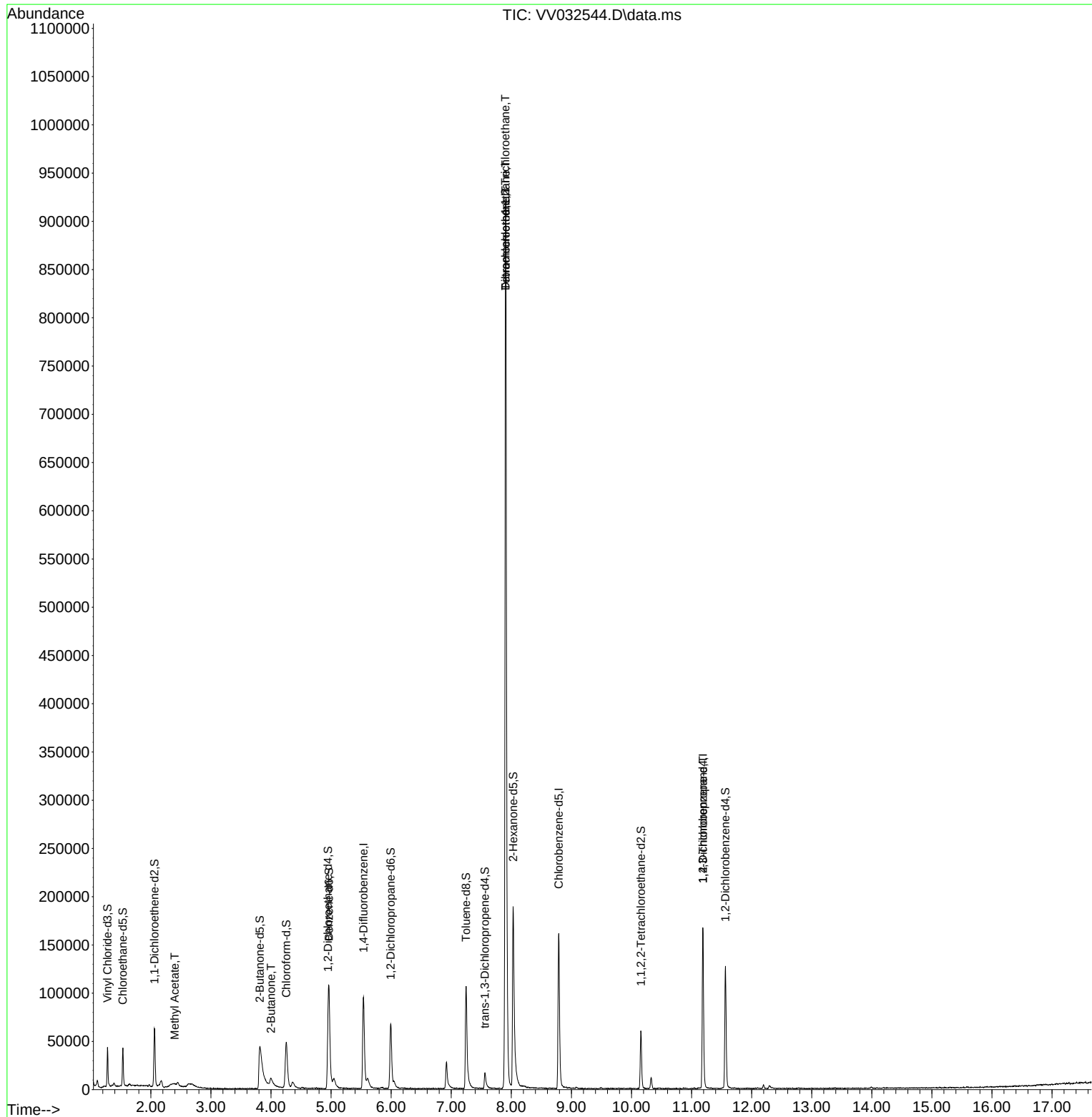
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114            | 78423    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117            | 90141    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152            | 42493    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65             | 24696    | 3.872  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 77.400%  |          |
| 7) Chloroethane-d5            | 1.532  | 69             | 24472    | 4.727  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 94.600%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65             | 10688    | 3.973  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 79.400%  |          |
| 20) 2-Butanone-d5             | 3.812  | 46             | 80071    | 49.628 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 99.260%  |          |
| 24) Chloroform-d              | 4.256  | 84             | 49774    | 4.424  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 88.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65             | 27410    | 5.143  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 102.800% |          |
| 32) Benzene-d6                | 4.963  | 84             | 91583    | 3.453  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 69.000%# |          |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67             | 31699    | 3.607  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 72.200%  |          |
| 41) Toluene-d8                | 7.246  | 98             | 76273    | 3.145  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 62.800%# |          |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79             | 10576    | 3.396  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 68.000%  |          |
| 46) 2-Hexanone-d5             | 8.030  | 63             | 68885    | 47.015 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 94.020%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84             | 28717    | 4.672  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 93.400%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152            | 31088    | 3.943  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 78.800%# |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 15) Methyl Acetate            | 2.397  | 43             | 508      | 0.181  | ug/L #   | 53       |
| 21) 2-Butanone                | 3.998  | 43             | 13920    | 7.158  | ug/L #   | 53       |
| 45) 1,1,2-Trichloroethane     | 7.902  | 97             | 2079     | 0.347  | ug/L #   | 13       |
| 47) Tetrachloroethene         | 7.905  | 164            | 208807   | 31.781 | ug/L     | 97       |
| 49) Dibromochloromethane      | 7.905  | 129            | 192563   | 30.892 | ug/L #   | 9        |
| 61) 1,2,3-Trichloropropane    | 11.188 | 75             | 5519     | 1.220  | ug/L #   | 66       |
| -----                         |        |                |          |        |          |          |

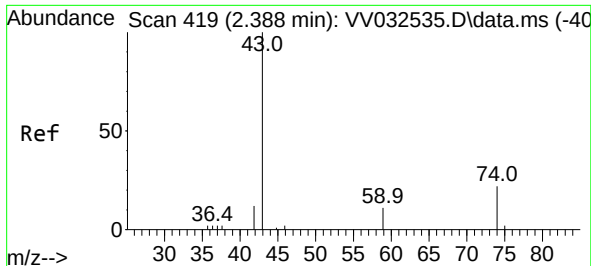
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Oct 21 02:44:24 2023  
Response via : Initial Calibration

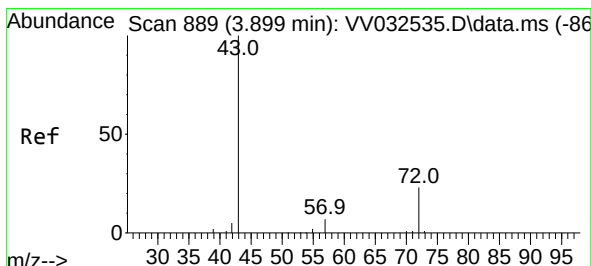
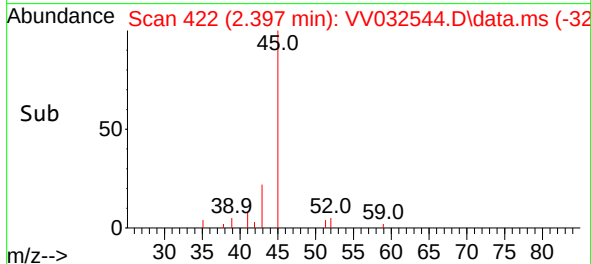
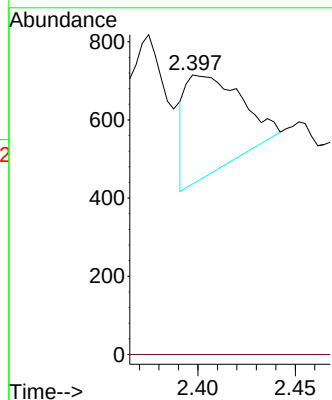
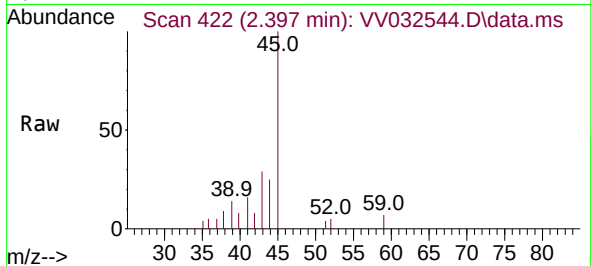




#15  
Methyl Acetate  
Concen: 0.181 ug/L  
RT: 2.397 min Scan# 41  
Delta R.T. 0.010 min  
Lab File: VV032544.D  
Acq: 20 Oct 2023 23:55

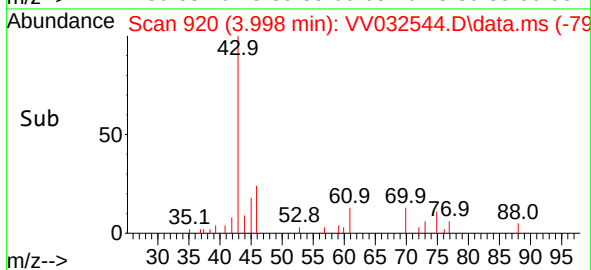
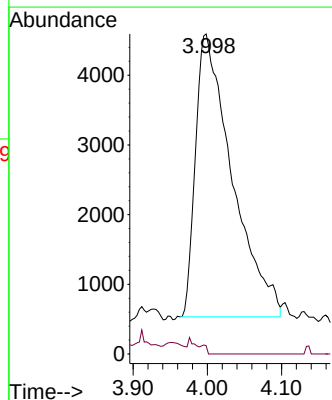
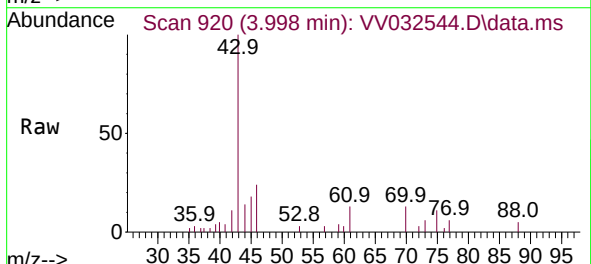
Instrument :  
MSVOA\_V  
ClientSampleId :

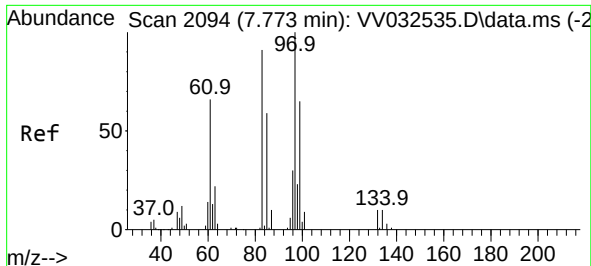
Tgt Ion: 43 Resp: 508  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.0 27.0#



#21  
2-Butanone  
Concen: 7.158 ug/L  
RT: 3.998 min Scan# 920  
Delta R.T. 0.100 min  
Lab File: VV032544.D  
Acq: 20 Oct 2023 23:55

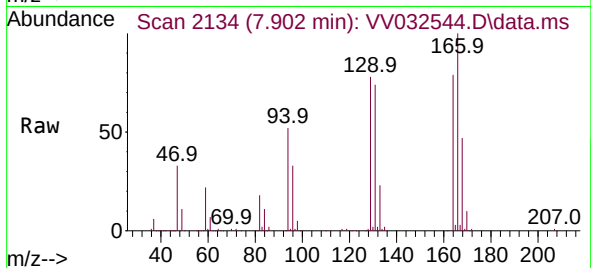
Tgt Ion: 43 Resp: 13920  
Ion Ratio Lower Upper  
43 100  
72 0.5 11.6 34.8#



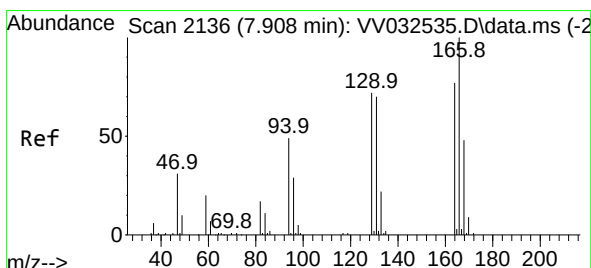
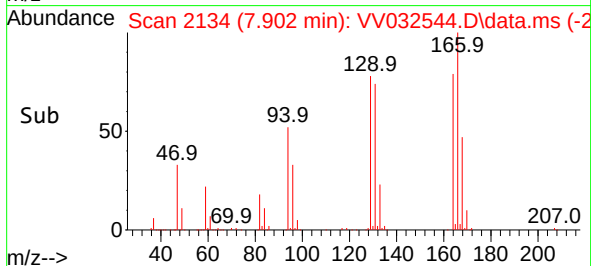
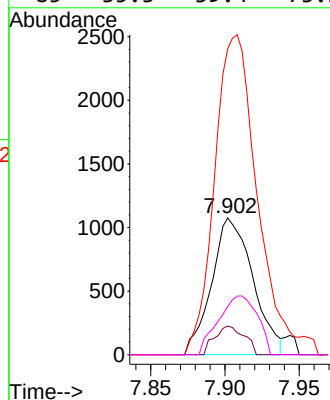


#45  
1,1,2-Trichloroethane  
Concen: 0.347 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. 0.129 min  
Lab File: VV032544.D  
Acq: 20 Oct 2023 23:55

Instrument :  
MSVOA\_V  
ClientSampleId :

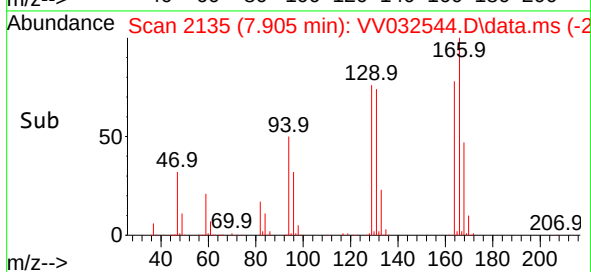
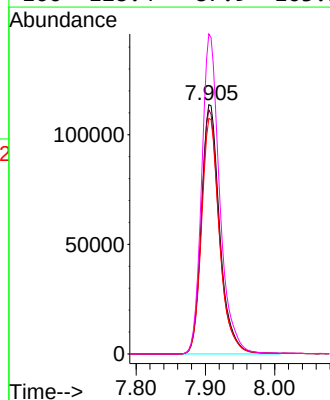
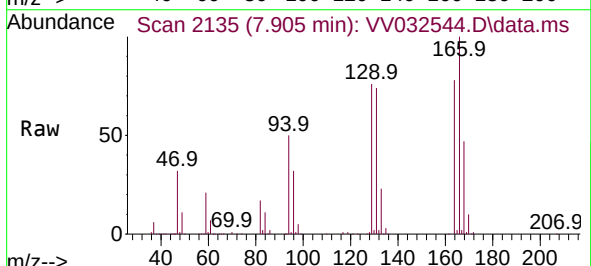


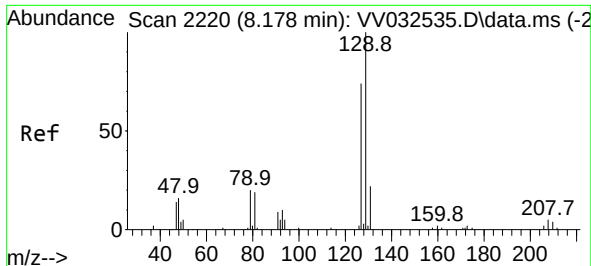
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 2079   |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 21.0  | 42.8  | 79.4#  |
| 83       | 223.7 | 60.9  | 113.1# |
| 85       | 35.3  | 39.4  | 73.2#  |



#47  
Tetrachloroethene  
Concen: 31.781 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. -0.003 min  
Lab File: VV032544.D  
Acq: 20 Oct 2023 23:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 208807 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 97.9  | 66.4  | 123.4  |
| 131      | 94.5  | 63.7  | 118.3  |
| 166      | 128.4 | 87.9  | 163.3  |

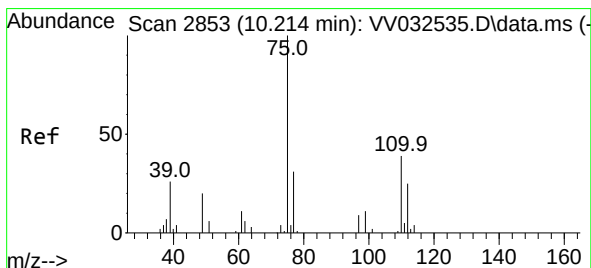
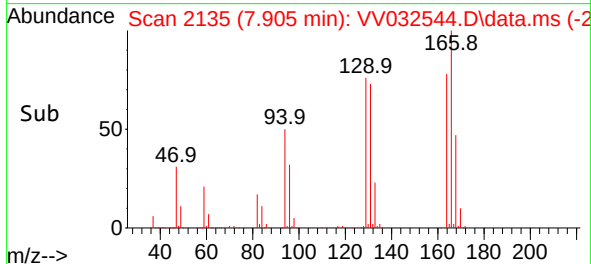
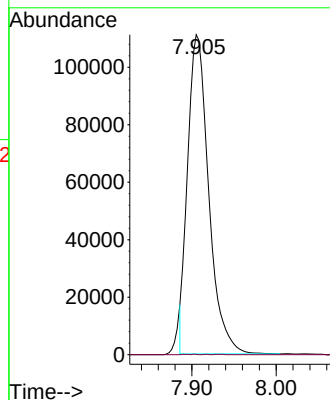
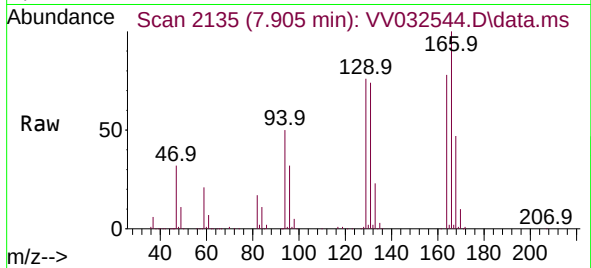




#49  
Dibromochloromethane  
Concen: 30.892 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. -0.273 min  
Lab File: VV032544.D  
Acq: 20 Oct 2023 23:55

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:129 Resp: 192563  
Ion Ratio Lower Upper  
129 100  
127 0.1 57.2 106.2#



#61  
1,2,3-Trichloropropane  
Concen: 1.220 ug/L  
RT: 11.188 min Scan# 3156  
Delta R.T. 0.974 min  
Lab File: VV032544.D  
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Tgt Ion: 75 Resp: 5519  
Ion Ratio Lower Upper  
75 100  
77 34.6 26.2 39.2  
110 1.7 30.6 46.0#

