

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111723\  
 Data File : VX038904.D  
 Acq On : 18 Nov 2023 03:11  
 Operator : JC/MD  
 Sample : 05404-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE134D2-20231109

Quant Time: Nov 18 05:06:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

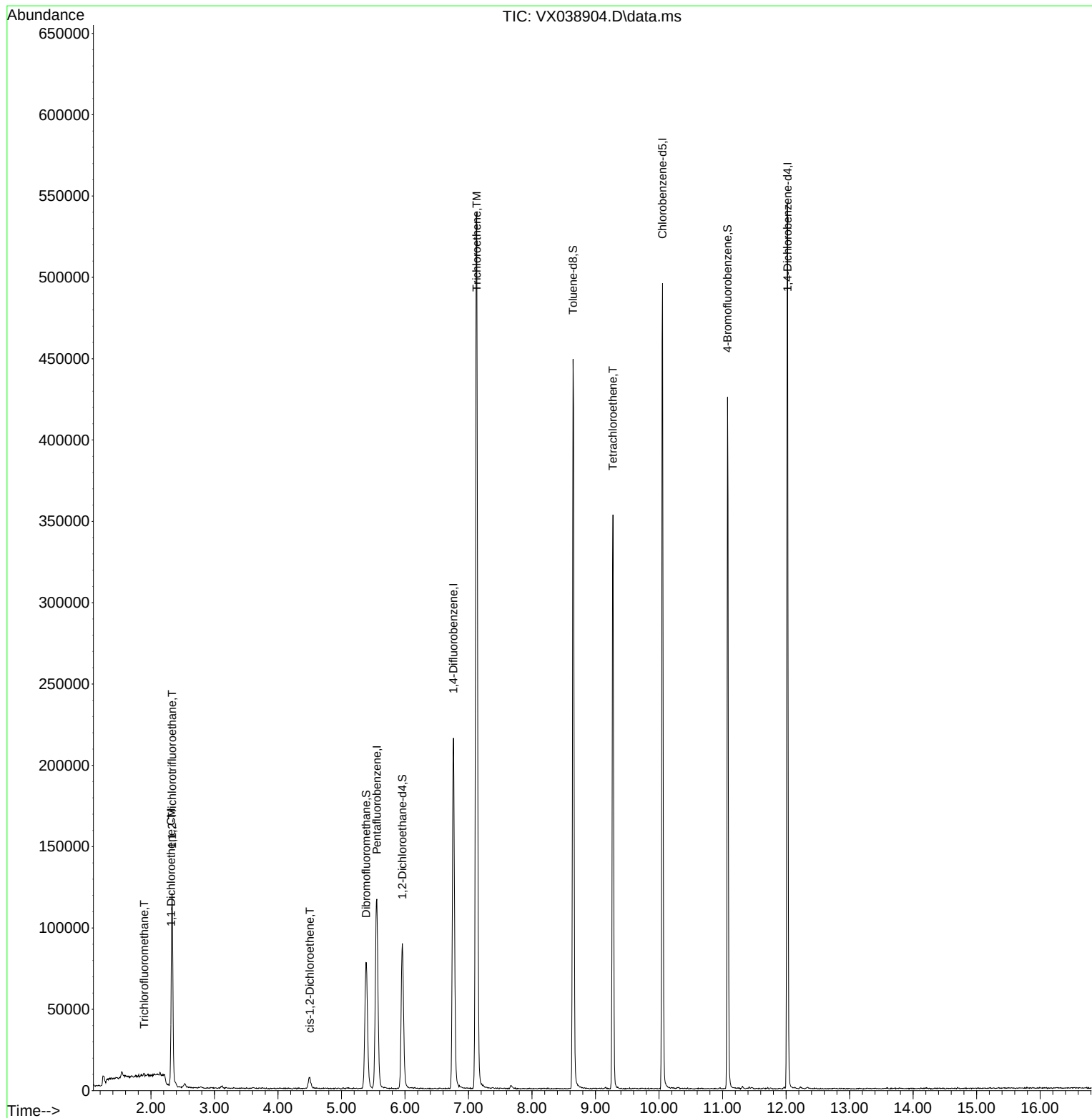
| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 106875     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 217984     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 219932     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 110748     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 85095      | 49.413   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 98.820%  |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 69499      | 44.145   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 88.300%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 275143     | 45.678   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 91.360%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 116959     | 48.506   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 97.020%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 847        | 0.426    | ug/l   | 87       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 46604      | 35.322   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 1351       | 1.014    | ug/l # | 61       |
| 27) cis-1,2-Dichloroethene   | 4.501          | 96   | 4183       | 2.442    | ug/l   | 87       |
| 44) Trichloroethene          | 7.129          | 130  | 204033     | 125.602  | ug/l   | 99       |
| 64) Tetrachloroethene        | 9.275          | 164  | 61926      | 45.299   | ug/l   | 97       |
| -----                        |                |      |            |          |        |          |

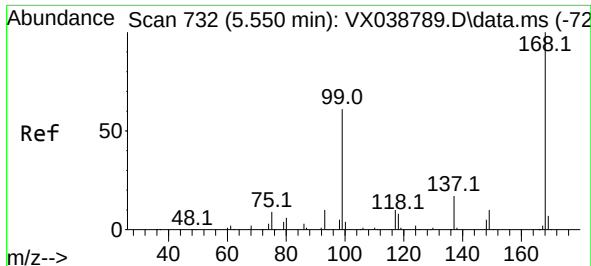
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

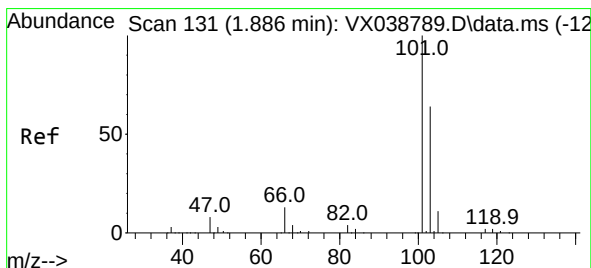
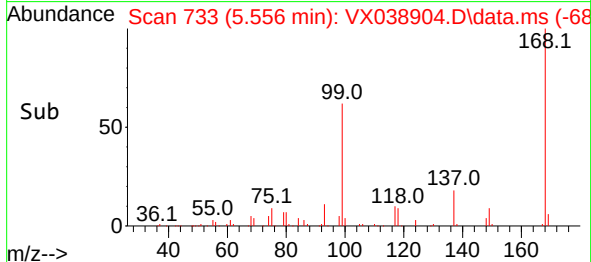
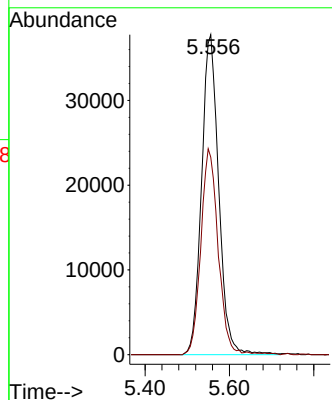
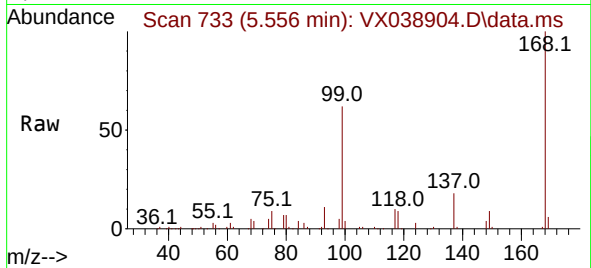




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX038904.D  
Acq: 18 Nov 2023 03:11

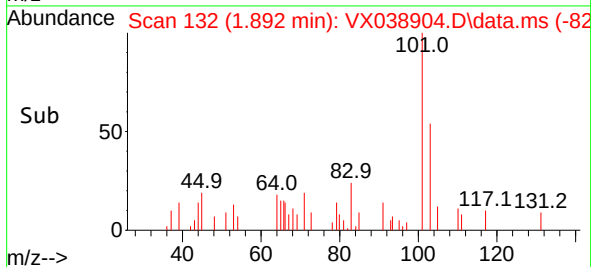
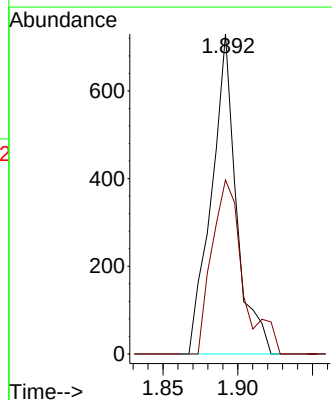
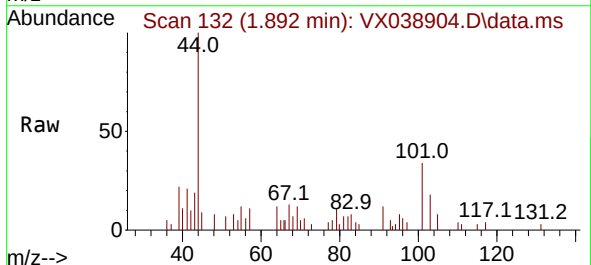
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D2-20231109

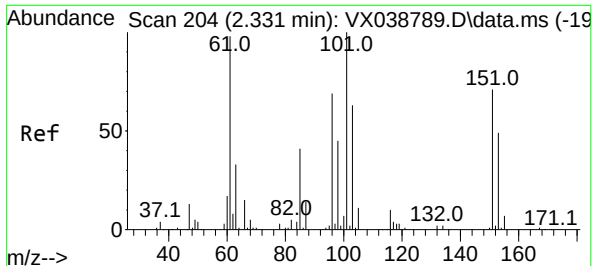
Tgt Ion:168 Resp: 106875  
Ion Ratio Lower Upper  
168 100  
99 61.7 56.6 85.0



#7  
Trichlorofluoromethane  
Concen: 0.426 ug/l  
RT: 1.892 min Scan# 132  
Delta R.T. 0.006 min  
Lab File: VX038904.D  
Acq: 18 Nov 2023 03:11

Tgt Ion:101 Resp: 847  
Ion Ratio Lower Upper  
101 100  
103 54.4 51.4 77.2

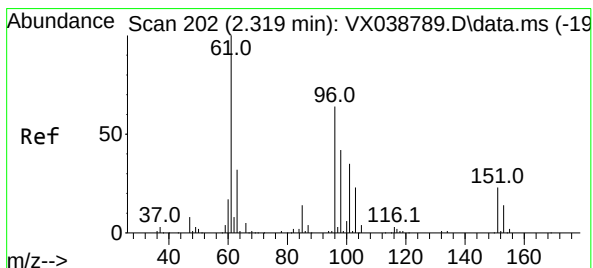
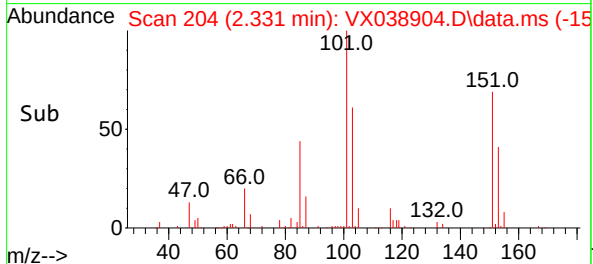
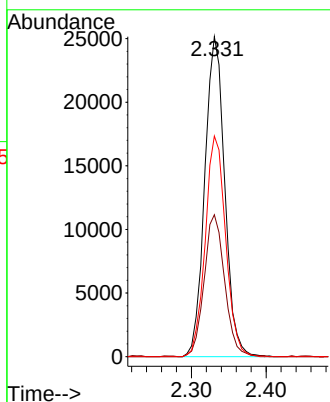
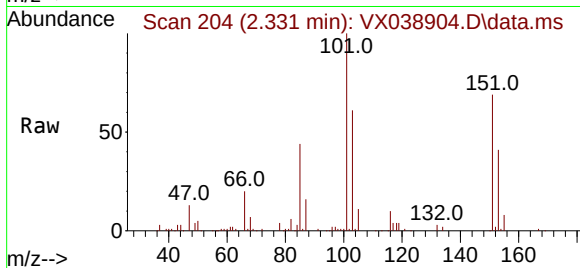




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 35.322 ug/l  
 RT: 2.331 min Scan# 204  
 Delta R.T. -0.000 min  
 Lab File: VX038904.D  
 Acq: 18 Nov 2023 03:11

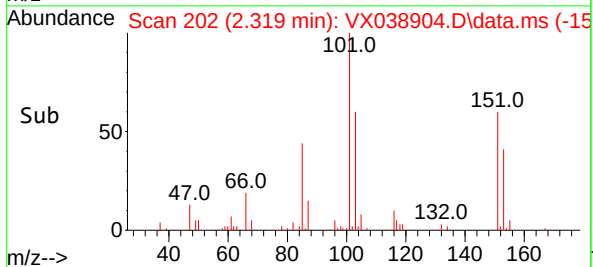
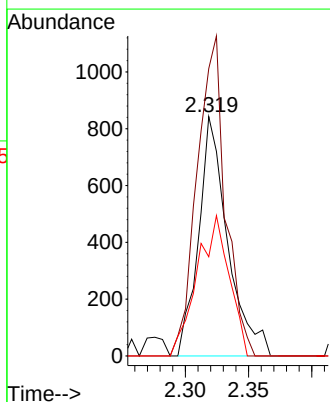
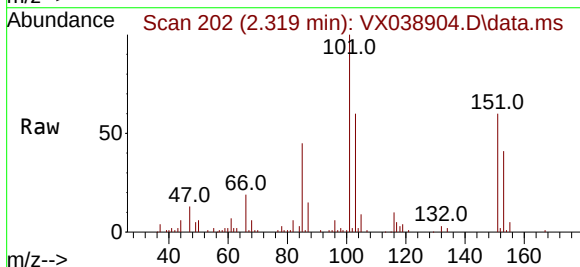
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE134D2-20231109

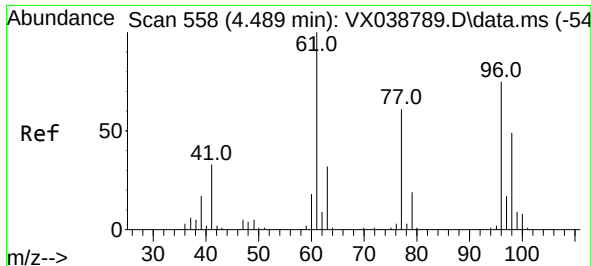
Tgt Ion:101 Resp: 46604  
 Ion Ratio Lower Upper  
 101 100  
 85 45.7 37.0 55.6  
 151 70.5 58.6 87.8



#12  
 1,1-Dichloroethene  
 Concen: 1.014 ug/l  
 RT: 2.319 min Scan# 202  
 Delta R.T. -0.000 min  
 Lab File: VX038904.D  
 Acq: 18 Nov 2023 03:11

Tgt Ion: 96 Resp: 1351  
 Ion Ratio Lower Upper  
 96 100  
 61 120.0 144.6 216.8#  
 98 41.4 50.4 75.6#

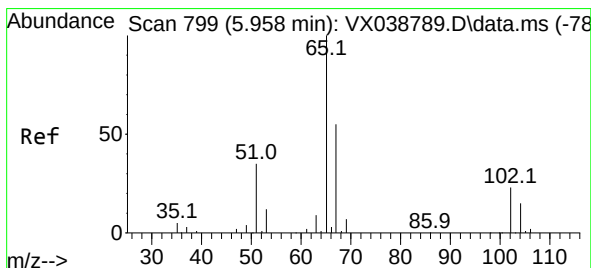
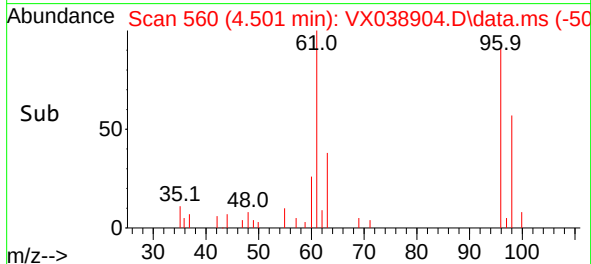
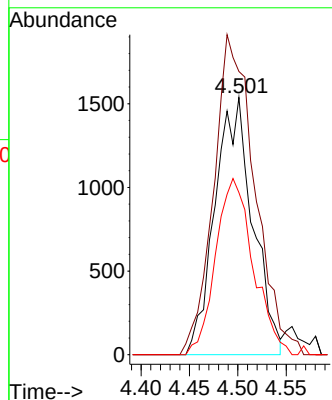
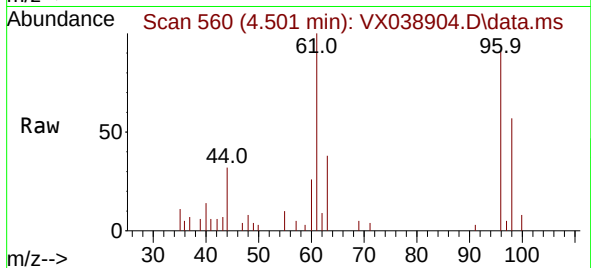




#27  
 cis-1,2-Dichloroethene  
 Concen: 2.442 ug/l  
 RT: 4.501 min Scan# 50  
 Delta R.T. 0.012 min  
 Lab File: VX038904.D  
 Acq: 18 Nov 2023 03:11

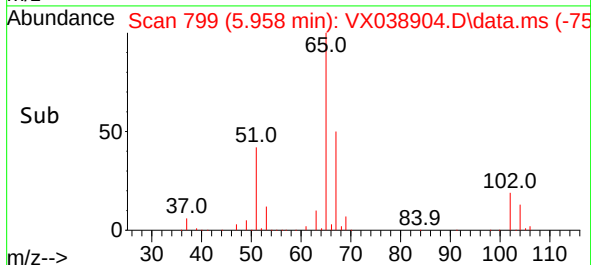
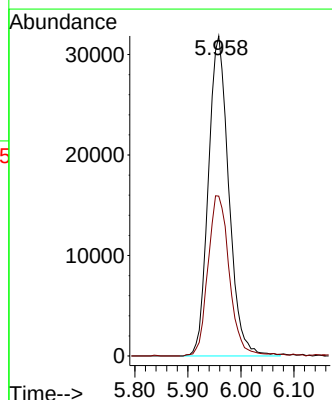
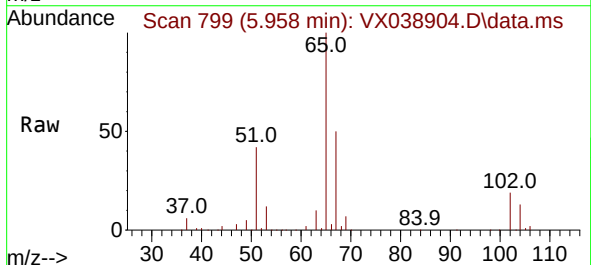
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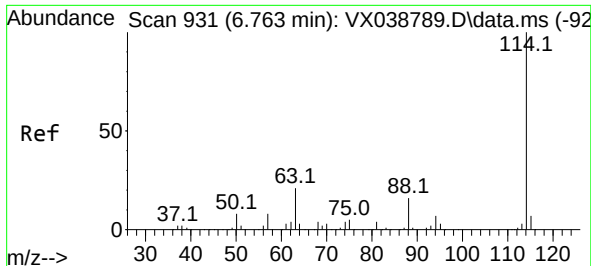
Tgt Ion: 96 Resp: 4183  
 Ion Ratio Lower Upper  
 96 100  
 61 135.1 0.0 312.2  
 98 68.3 0.0 129.0



#33  
 1,2-Dichloroethane-d4  
 Concen: 49.413 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. -0.000 min  
 Lab File: VX038904.D  
 Acq: 18 Nov 2023 03:11

Tgt Ion: 65 Resp: 85095  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 100.2

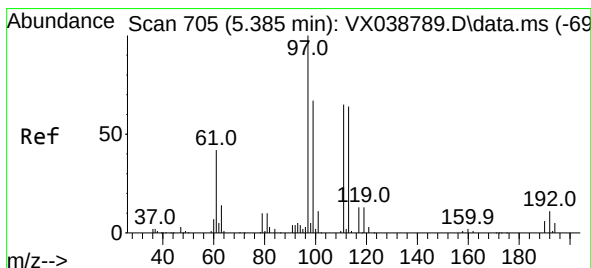
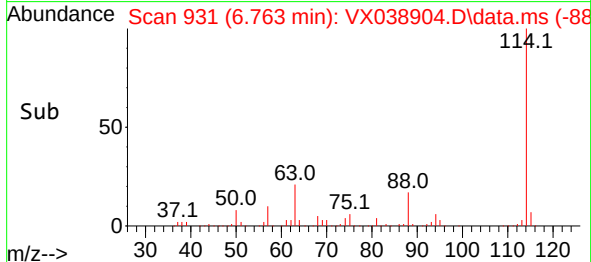
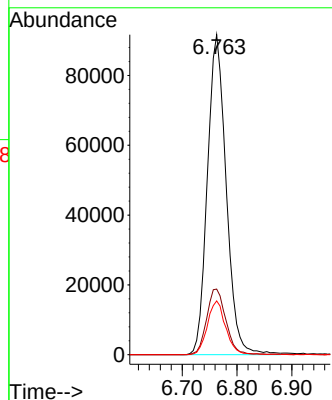
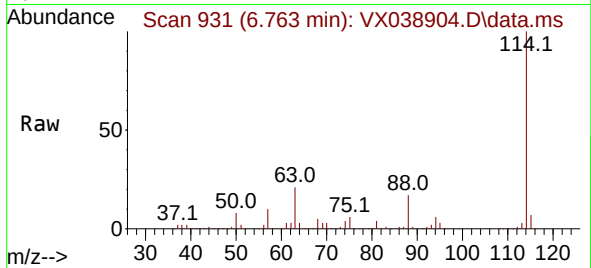




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX038904.D  
Acq: 18 Nov 2023 03:11

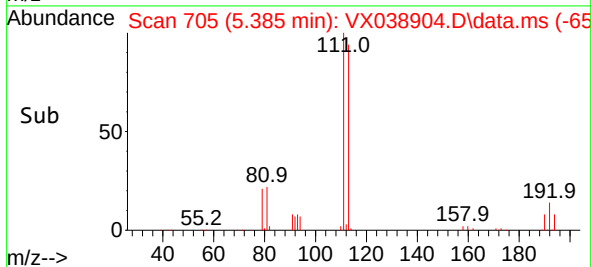
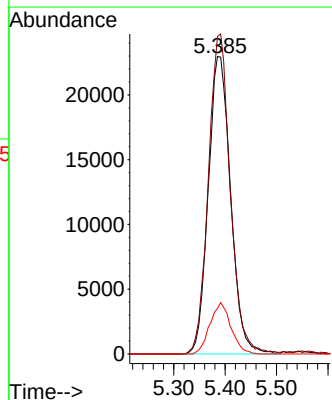
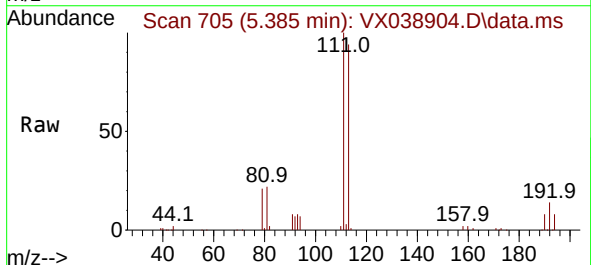
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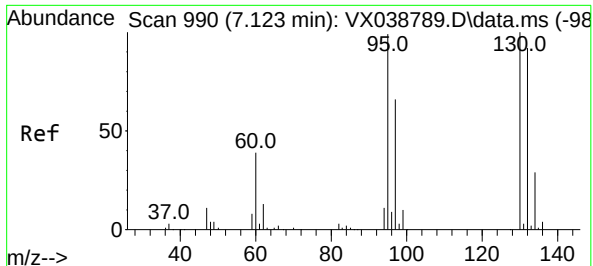
Tgt Ion:114 Resp: 217984  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 45.0  
88 16.8 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 44.145 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX038904.D  
Acq: 18 Nov 2023 03:11

Tgt Ion:113 Resp: 69499  
Ion Ratio Lower Upper  
113 100  
111 105.3 82.9 124.3  
192 16.2 13.3 19.9

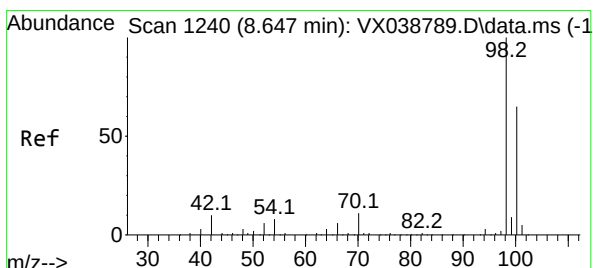
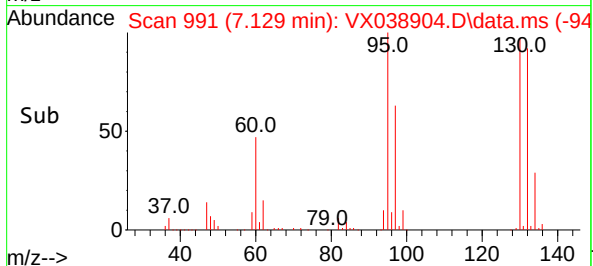
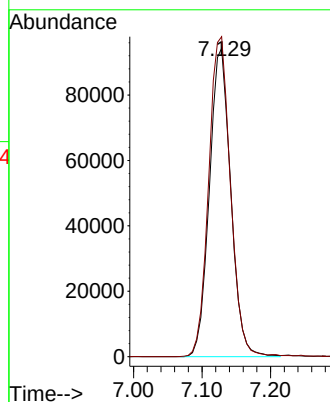
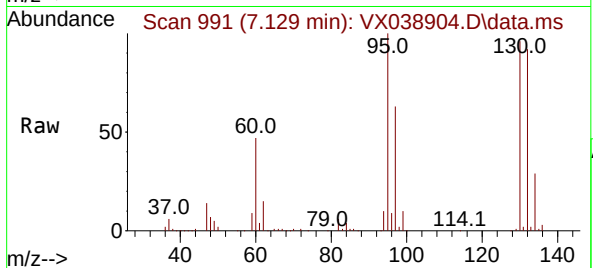




#44  
Trichloroethene  
Concen: 125.602 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX038904.D  
Acq: 18 Nov 2023 03:11

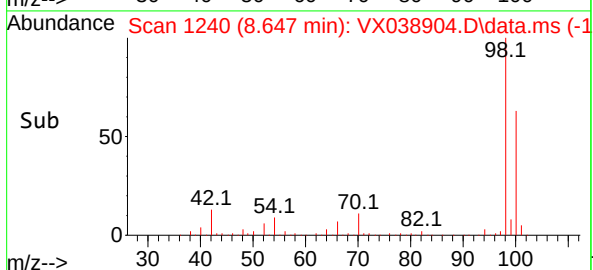
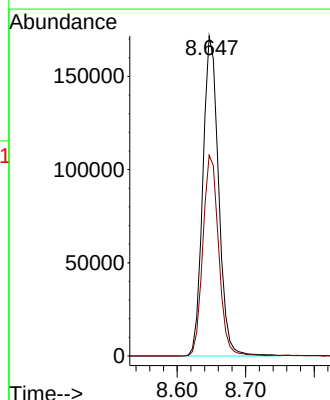
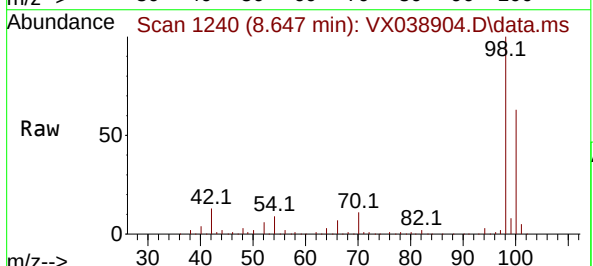
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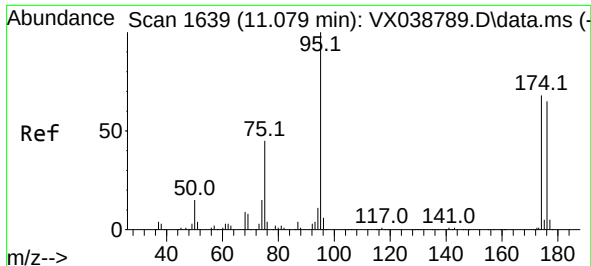
Tgt Ion:130 Resp: 204033  
Ion Ratio Lower Upper  
130 100  
95 103.7 0.0 204.4



#50  
Toluene-d8  
Concen: 45.678 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX038904.D  
Acq: 18 Nov 2023 03:11

Tgt Ion: 98 Resp: 275143  
Ion Ratio Lower Upper  
98 100  
100 63.0 53.1 79.7

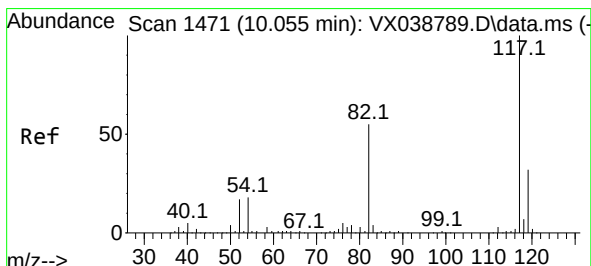
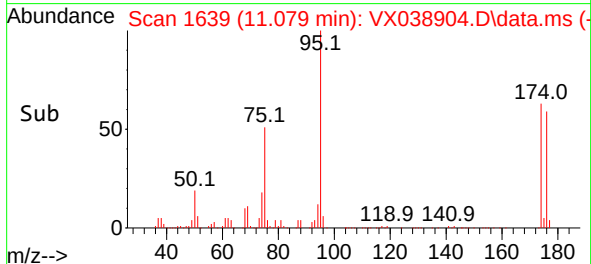
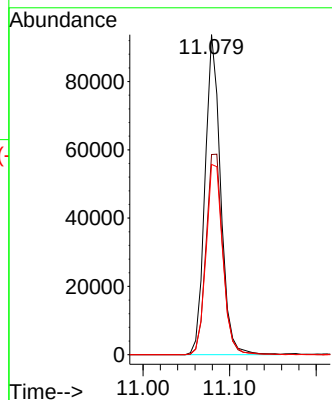
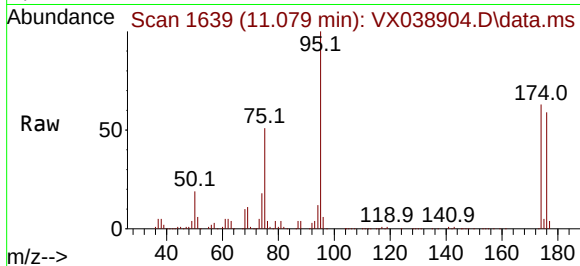




#62  
4-Bromofluorobenzene  
Concen: 48.506 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX038904.D  
Acq: 18 Nov 2023 03:11

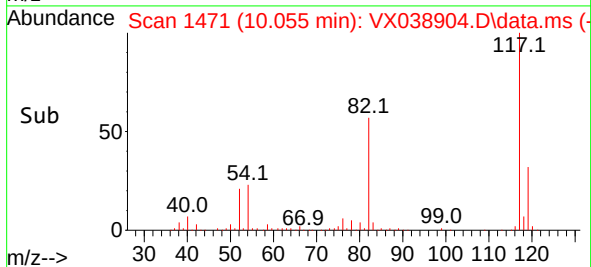
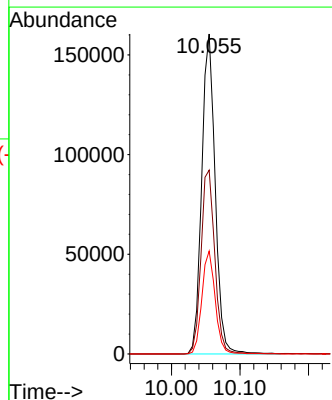
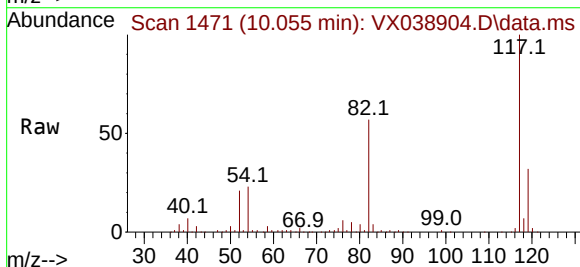
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Tgt Ion: 95 Resp: 116959  
Ion Ratio Lower Upper  
95 100  
174 67.5 0.0 135.6  
176 64.2 0.0 131.0

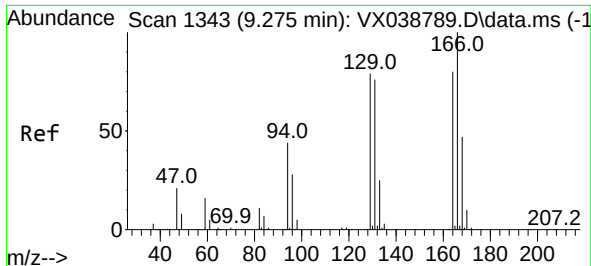


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX038904.D  
Acq: 18 Nov 2023 03:11

Tgt Ion: 117 Resp: 219932  
Ion Ratio Lower Upper  
117 100  
82 57.5 46.2 69.4  
119 32.1 25.5 38.3





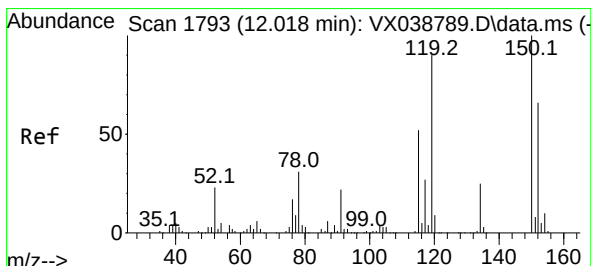
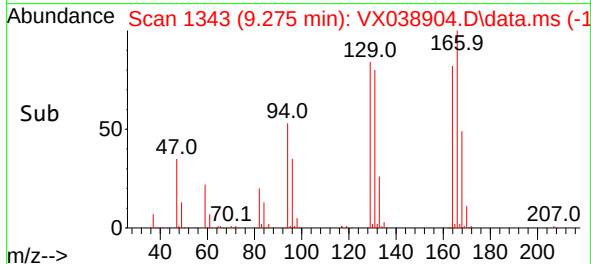
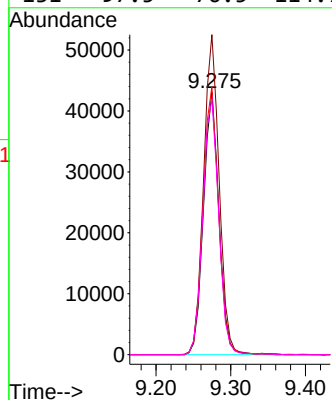
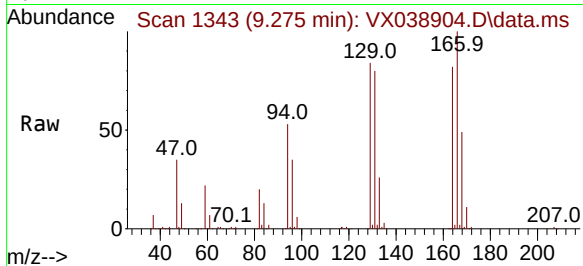


#64  
Tetrachloroethene  
Concen: 45.299 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX038904.D  
Acq: 18 Nov 2023 03:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D2-20231109

Tgt Ion:164 Resp: 61926

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 122.0 | 102.7 | 154.1 |
| 129 | 102.2 | 80.4  | 120.6 |
| 131 | 97.5  | 76.5  | 114.7 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX038904.D  
Acq: 18 Nov 2023 03:11

Tgt Ion:152 Resp: 110748

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 65.4  | 43.3  | 129.9 |
| 150 | 158.3 | 0.0   | 345.0 |

