

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013024\  
 Data File : VY017138.D  
 Acq On : 30 Jan 2024 13:05  
 Operator : SY/MD  
 Sample : P1276-05  
 Misc : 6.02g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

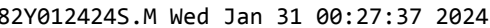
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

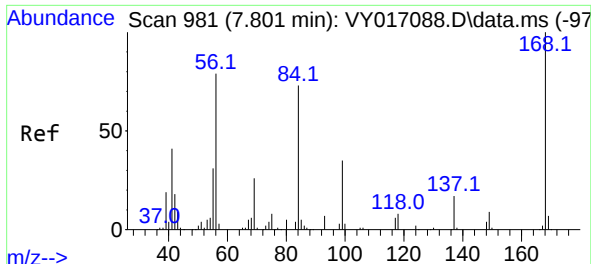
Quant Time: Jan 31 00:27:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012424S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 25 04:44:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.807  | 168   | 91522    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.709  | 114   | 197416   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.508 | 117   | 198231   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.440 | 152   | 74767    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.161  | 65    | 46776    | 52.457    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 104.920% |          |
| 35) Dibromofluoromethane      | 7.734  | 113   | 48644    | 40.826    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 81.660%  |          |
| 50) Toluene-d8                | 10.197 | 98    | 174697   | 38.819    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 77.640%  |          |
| 62) 4-Bromofluorobenzene      | 12.495 | 95    | 57198    | 41.258    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 82.520%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.125  | 50    | 171      | Below Cal | #          | 41       |
| 4) Vinyl Chloride             | 2.247  | 62    | 64       | Below Cal | #          | 43       |
| 5) Bromomethane               | 2.674  | 94    | 143      | Below Cal |            | 93       |
| 16) Acetone                   | 3.966  | 43    | 1086     | Below Cal |            | 91       |
| 20) Methylene Chloride        | 4.741  | 84    | 4265     | Below Cal |            | 89       |
| 25) 2-Butanone                | 7.009  | 43    | 166      | Below Cal | #          | 48       |
| 31) Cyclohexane               | 7.801  | 56    | 2035     | Below Cal | #          | 6        |
| 36) 1,1-Dichloropropene       | 7.801  | 75    | 7734     | 3.945     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.807  | 117   | 9259     | 4.820     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.495 | 75    | 30322    | 33.412    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.495 | 75    | 30322    | 86.499    | ug/l #     | 12       |
| -----                         |        |       |          |           |            |          |

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

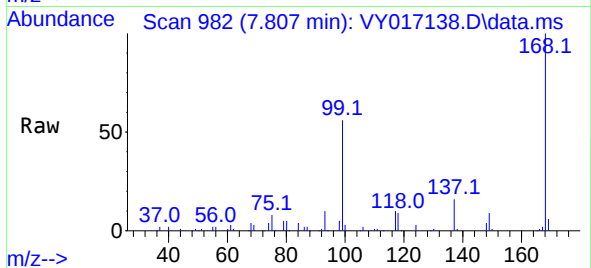
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Quant Title : SW846 8260  
QLast Update : Thu Jan 25 04:44:10 2024  
Response via : Initial Calibration



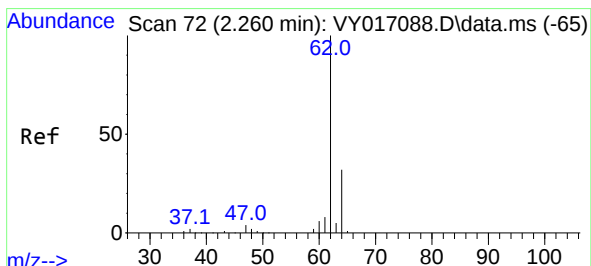
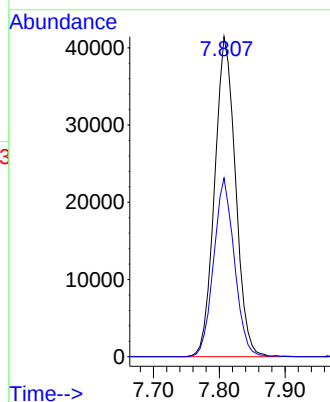
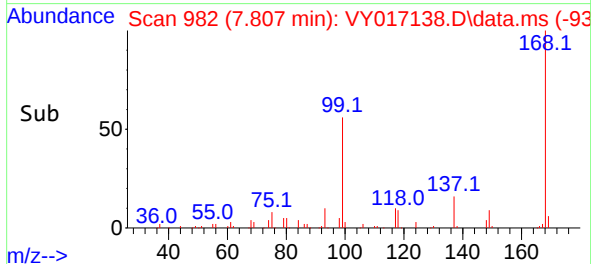


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

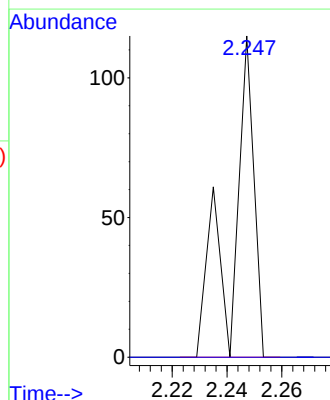
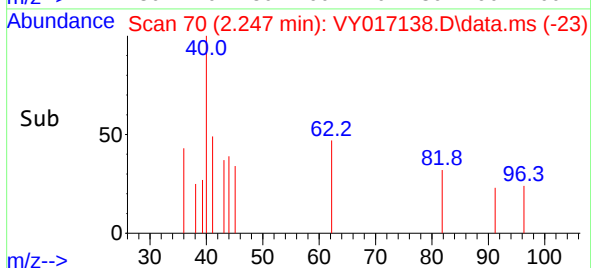
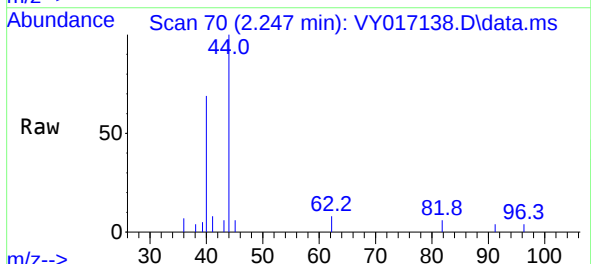


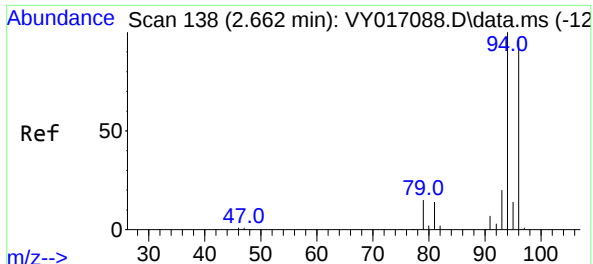
Tgt Ion:168 Resp: 91522  
Ion Ratio Lower Upper  
168 100  
99 55.8 44.2 66.4



#4  
Vinyl Chloride  
Concen: Below Cal  
RT: 2.247 min Scan# 70  
Delta R.T. -0.012 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

Tgt Ion: 62 Resp: 64  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.7 38.5#

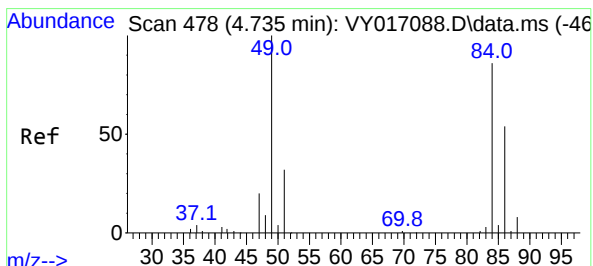
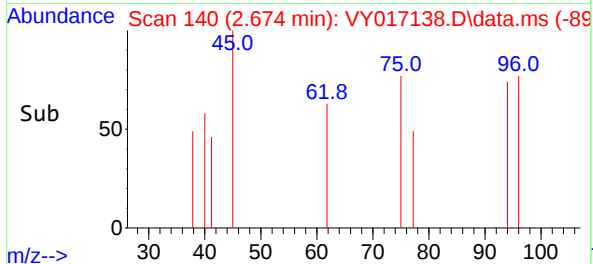
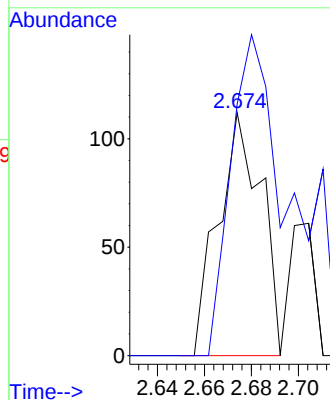
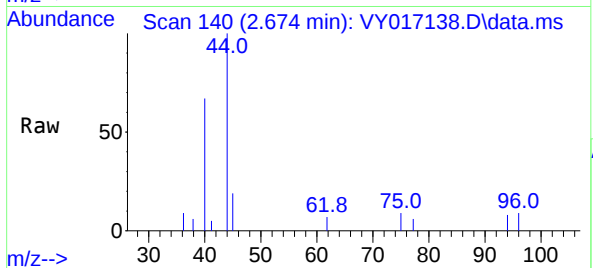




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.674 min Scan# 14  
Delta R.T. 0.012 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

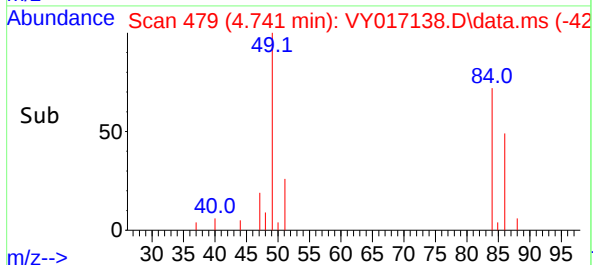
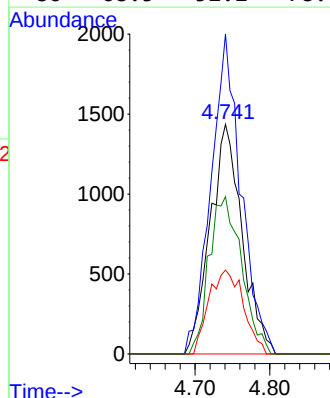
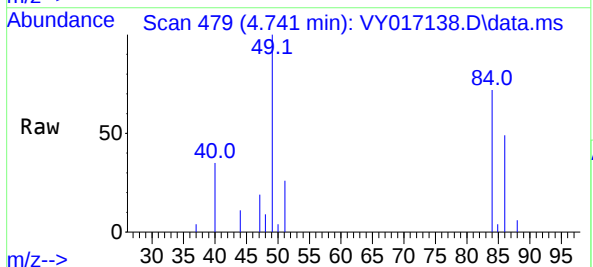
Instrument :  
MSVOA\_Y  
ClientSampleId :

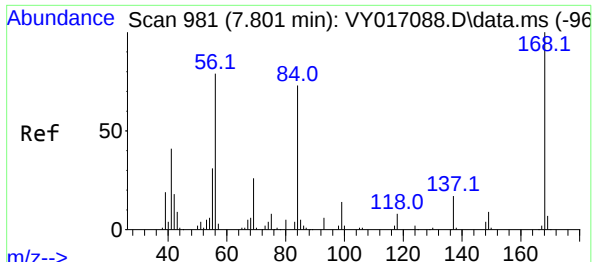
Tgt Ion: 94 Resp: 143  
Ion Ratio Lower Upper  
94 100  
96 103.6 77.3 115.9



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.741 min Scan# 479  
Delta R.T. 0.007 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

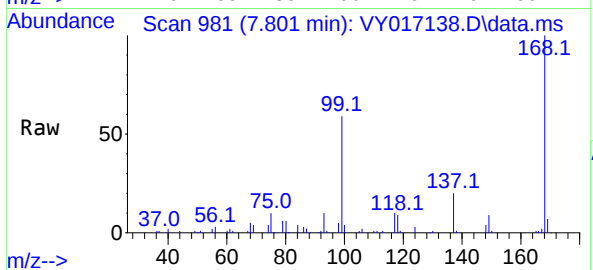
Tgt Ion: 84 Resp: 4265  
Ion Ratio Lower Upper  
84 100  
49 139.3 95.2 142.8  
51 36.5 29.9 44.9  
86 68.5 52.2 78.4



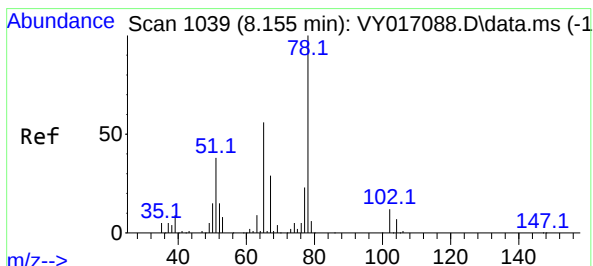
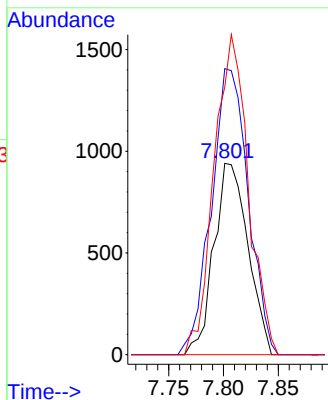
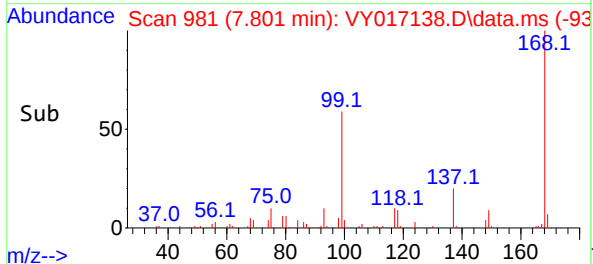


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.801 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

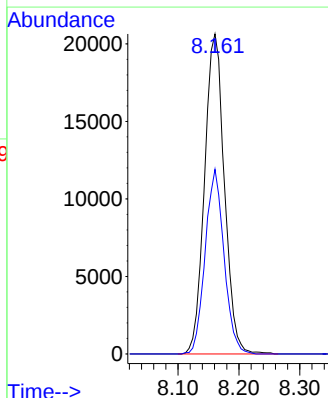
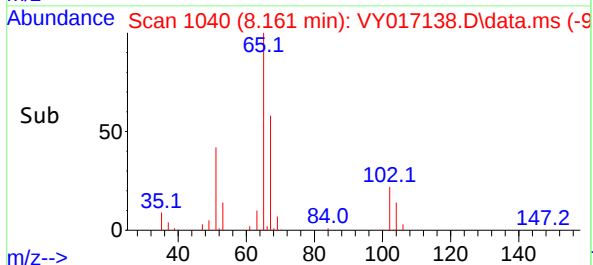
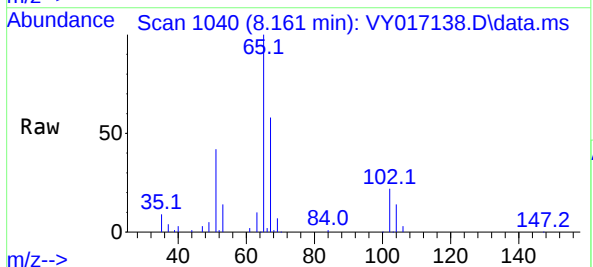


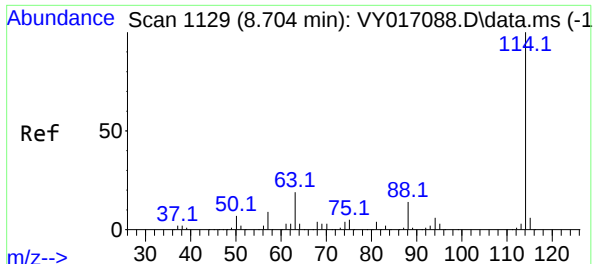
Tgt Ion: 56 Resp: 2035  
Ion Ratio Lower Upper  
56 100  
69 149.4 27.0 40.6#  
84 139.7 71.8 107.6#



#33  
1,2-Dichloroethane-d4  
Concen: 52.457 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

Tgt Ion: 65 Resp: 46776  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 109.0

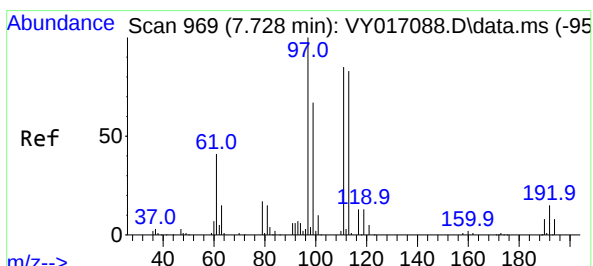
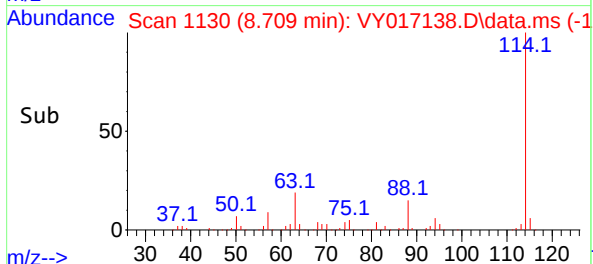
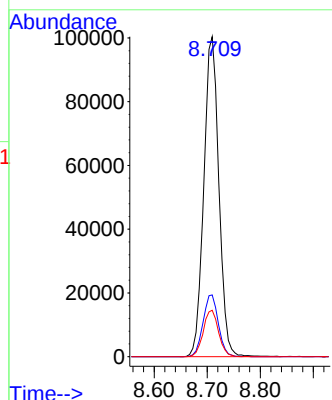
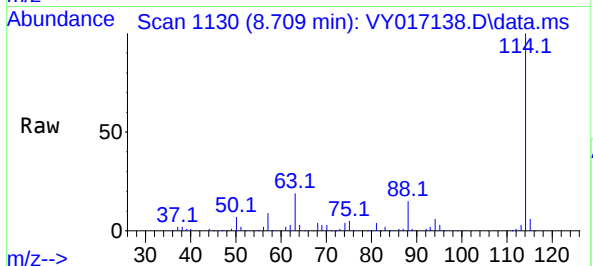




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.709 min Scan# 1129  
Delta R.T. 0.006 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

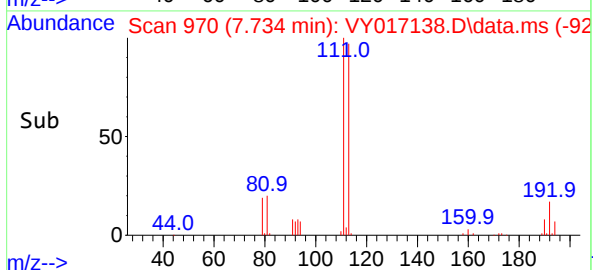
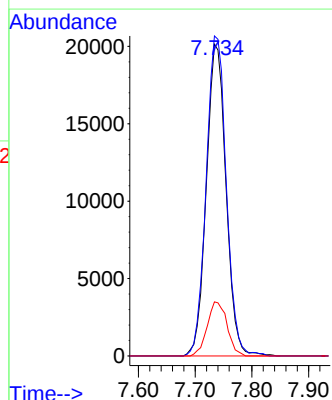
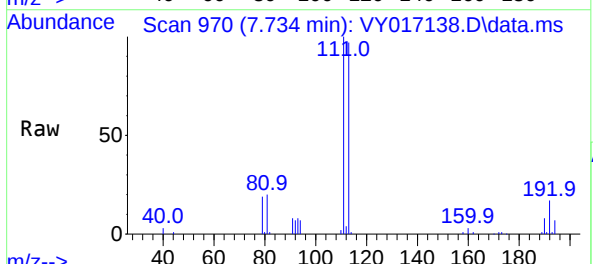
Instrument :  
MSVOA\_Y  
ClientSampleId :

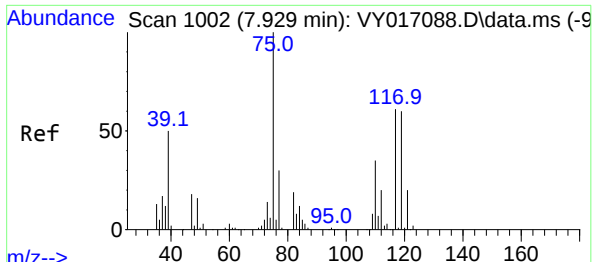
Tgt Ion:114 Resp: 197416  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 37.4  
88 14.5 0.0 29.0



#35  
Dibromofluoromethane  
Concen: 40.826 ug/l  
RT: 7.734 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

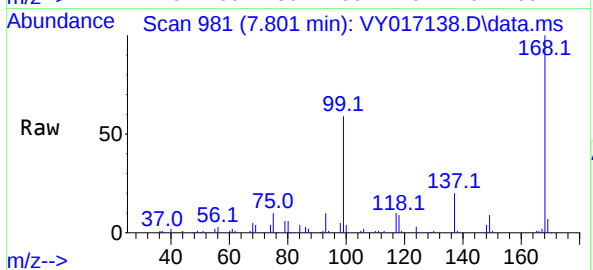
Tgt Ion:113 Resp: 48644  
Ion Ratio Lower Upper  
113 100  
111 104.9 83.8 125.6  
192 17.5 14.5 21.7



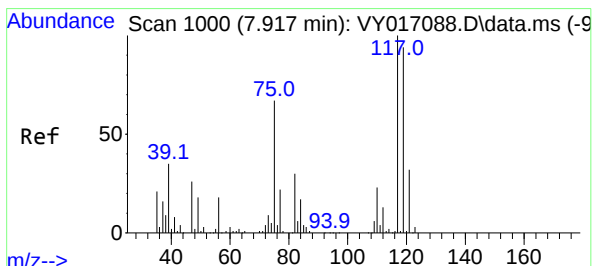
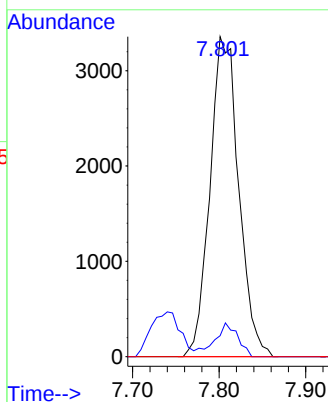
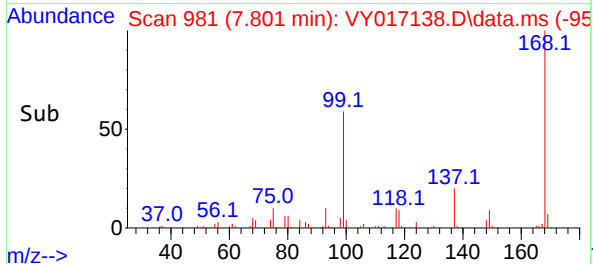


#36  
1,1-Dichloropropene  
Concen: 3.945 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.128 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

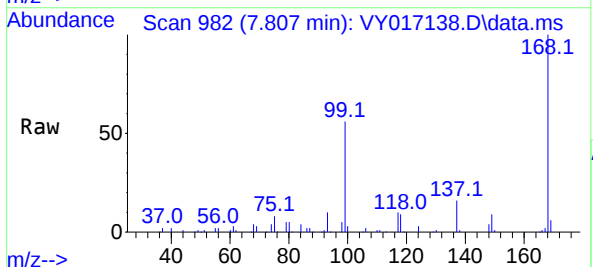
Instrument :  
MSVOA\_Y  
ClientSampleId :



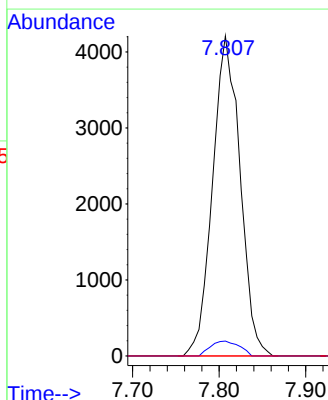
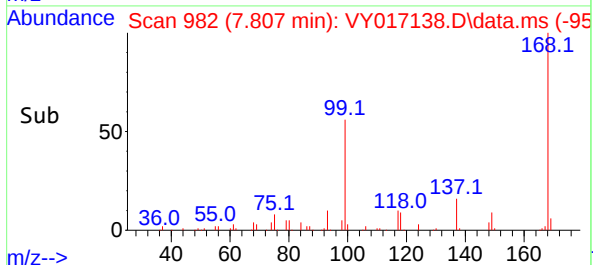
Tgt Ion: 75 Resp: 7734  
Ion Ratio Lower Upper  
75 100  
110 7.7 17.4 52.3#  
77 0.0 24.7 37.1#

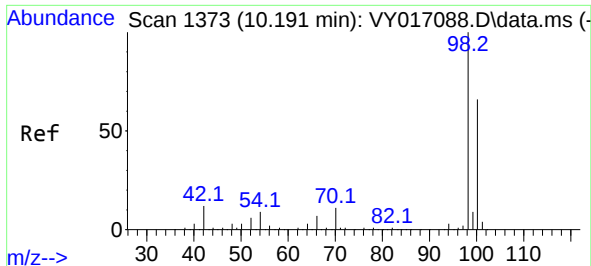


#38  
Carbon Tetrachloride  
Concen: 4.820 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. -0.110 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05



Tgt Ion: 117 Resp: 9259  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.0 114.0#  
121 0.0 24.2 36.2#

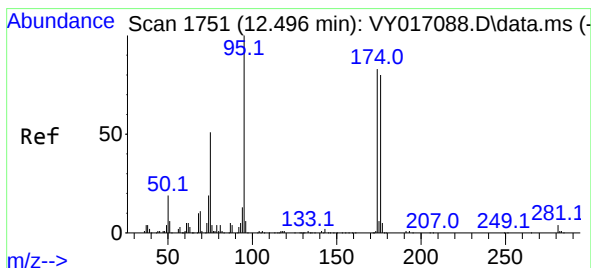
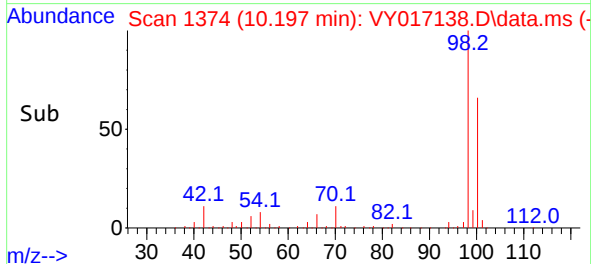
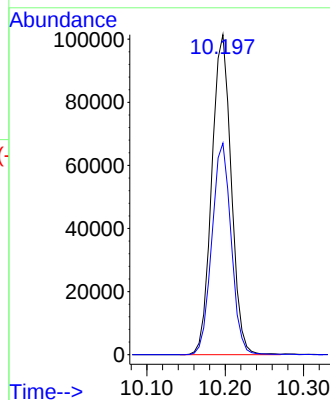
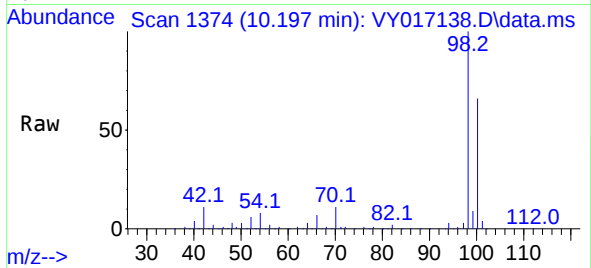




#50  
Toluene-d8  
Concen: 38.819 ug/l  
RT: 10.197 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

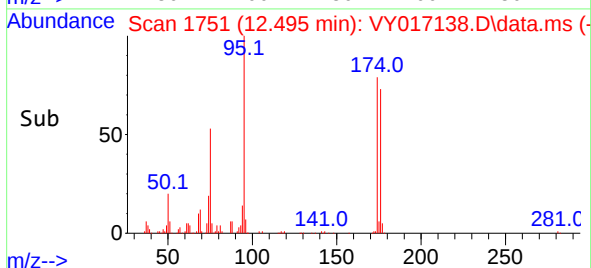
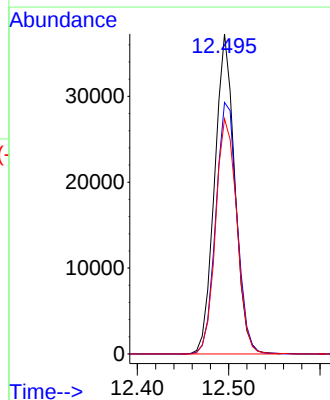
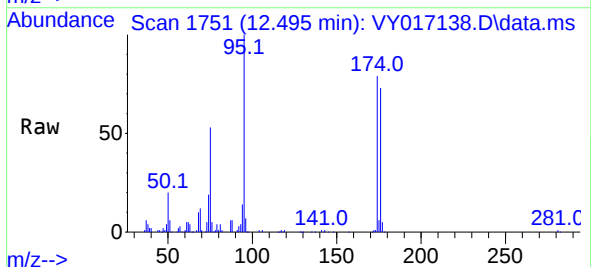
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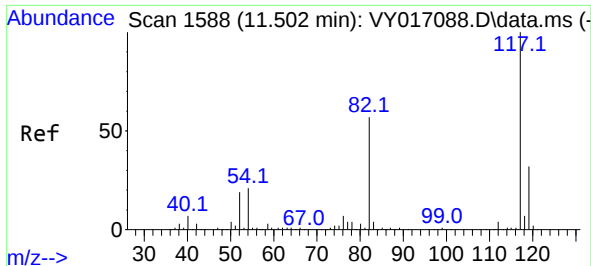
Tgt Ion: 98 Resp: 174697  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 41.258 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

Tgt Ion: 95 Resp: 57198  
Ion Ratio Lower Upper  
95 100  
174 82.5 0.0 160.0  
176 77.2 0.0 151.8

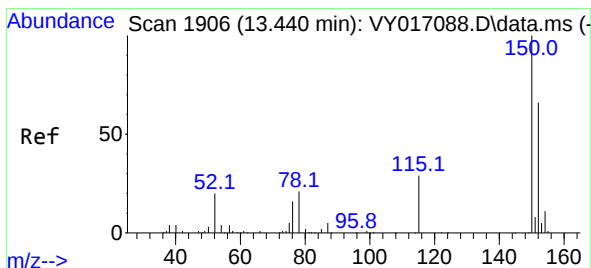
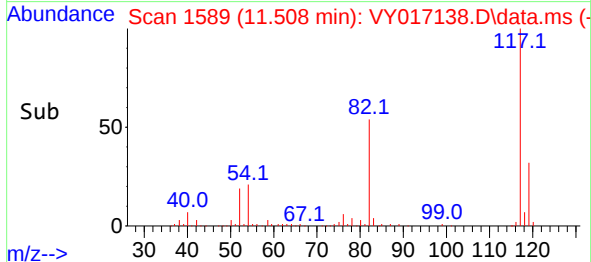
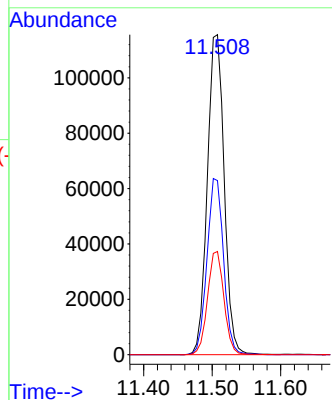
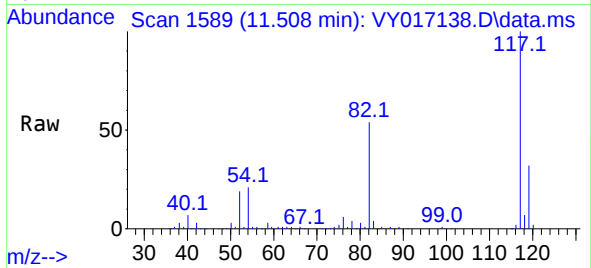




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.508 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

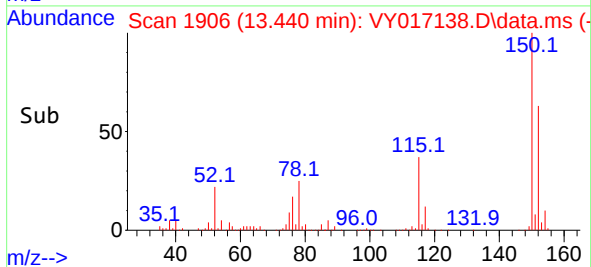
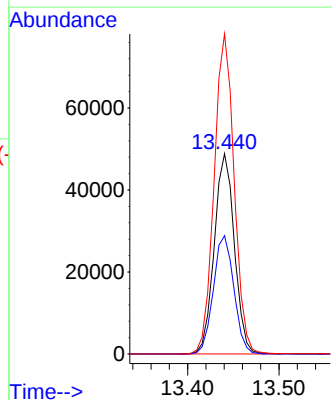
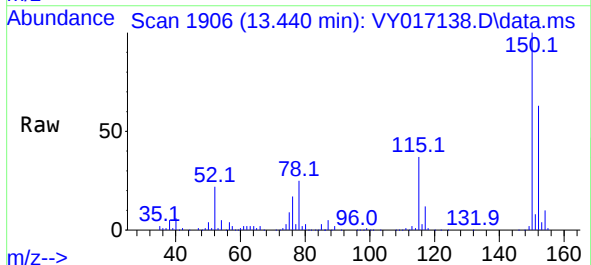
Instrument :  
MSVOA\_Y  
ClientSampleId :

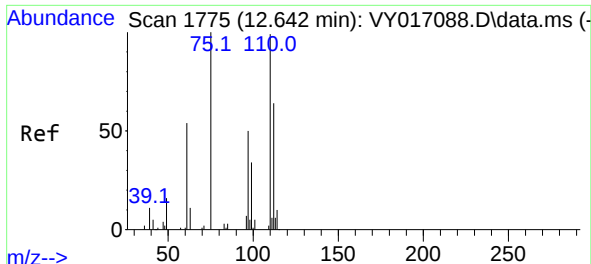
Tgt Ion:117 Resp: 198231  
Ion Ratio Lower Upper  
117 100  
82 54.4 43.8 65.8  
119 32.3 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. 0.006 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

Tgt Ion:152 Resp: 74767  
Ion Ratio Lower Upper  
152 100  
115 60.1 30.0 90.0  
150 159.1 0.0 344.6

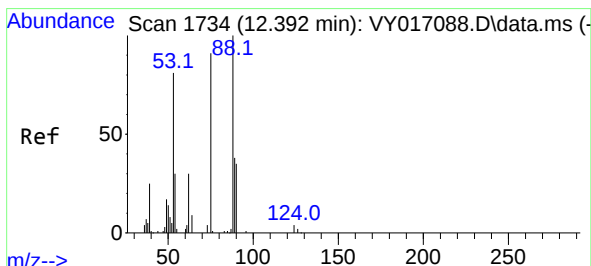
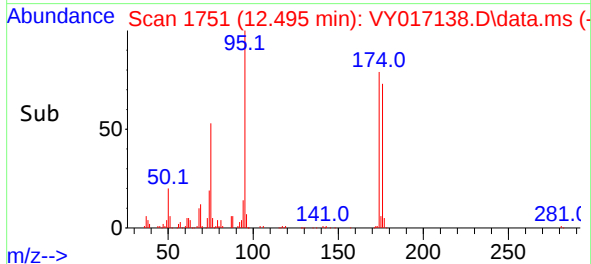
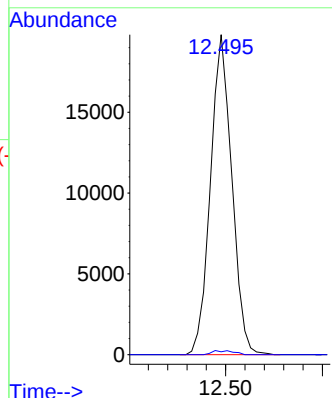
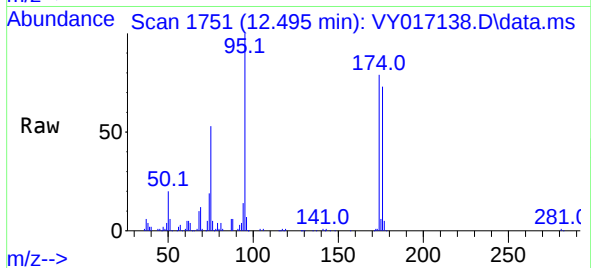




#76  
1,2,3-Trichloropropane  
Concen: 33.412 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. -0.147 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 30322  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 86.499 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.110 min  
Lab File: VY017138.D  
Acq: 30 Jan 2024 13:05

Tgt Ion: 75 Resp: 30322  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.0 36.5 54.7#

