

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022323\  
 Data File : VY012705.D  
 Acq On : 23 Feb 2023 13:54  
 Operator : KP/MD  
 Sample : 01661-01  
 Misc : 2.77g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-11

Quant Time: Feb 23 23:54:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:21:05 2023  
 Response via : Initial Calibration

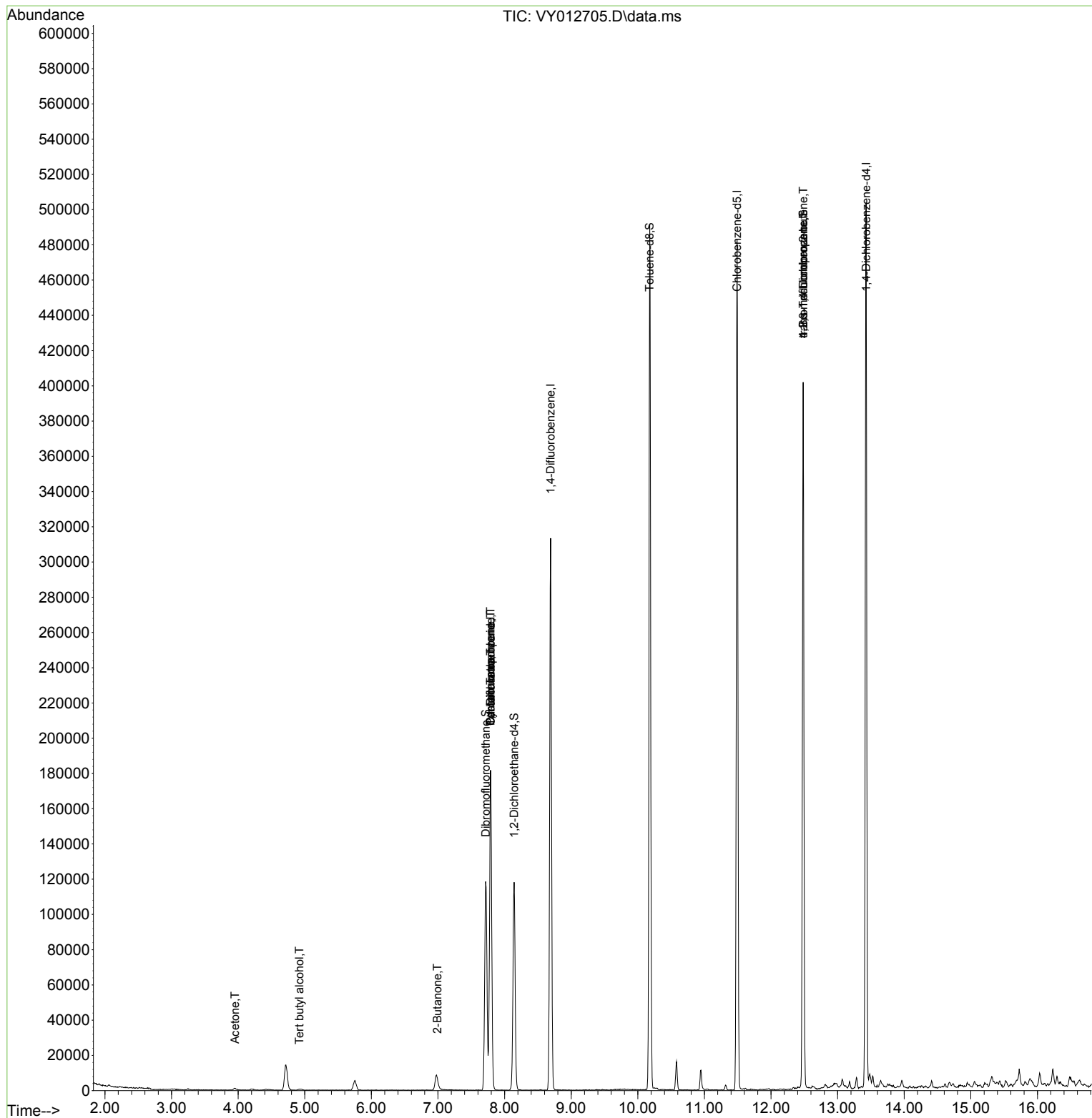
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168            | 138278   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114            | 254425   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117            | 254381   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152            | 125666   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65             | 90384    | 55.344     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 50 - 163 | Recovery | = 110.680% |        |          |
| 35) Dibromofluoromethane      | 7.715  | 113            | 85228    | 49.595     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 54 - 147 | Recovery | = 99.200%  |        |          |
| 50) Toluene-d8                | 10.178 | 98             | 311773   | 48.426     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 49 - 140 | Recovery | = 96.860%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95             | 111337   | 54.041     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 25 - 144 | Recovery | = 108.080% |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            | Qvalue |          |
| 3) Chloromethane              | 2.113  | 50             | 341      | Below Cal  | #      | 80       |
| 11) Tert butyl alcohol        | 4.917  | 59             | 368      | 2.060      | ug/l # | 74       |
| 16) Acetone                   | 3.954  | 43             | 1892     | 3.550      | ug/l # | 81       |
| 25) 2-Butanone                | 6.990  | 43             | 1448     | 2.047      | ug/l # | 52       |
| 31) Cyclohexane               | 7.789  | 56             | 3191     | 1.125      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75             | 11182    | 4.105      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.789  | 117            | 13775    | 4.891      | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75             | 59455    | 37.951     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75             | 59455    | 80.398     | ug/l # | 10       |
| -----                         |        |                |          |            |        |          |

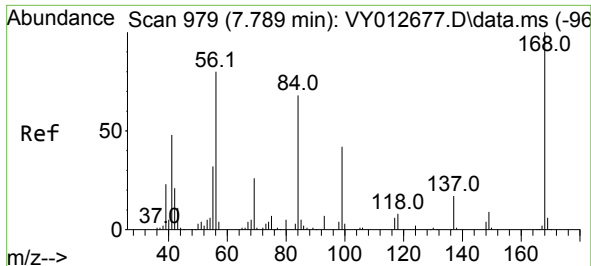
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-I1

Quant Time: Feb 23 23:54:14 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 22 01:21:05 2023  
Response via : Initial Calibration

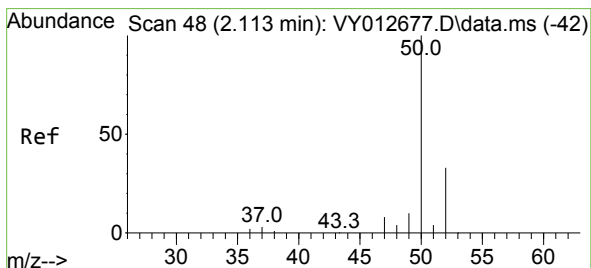
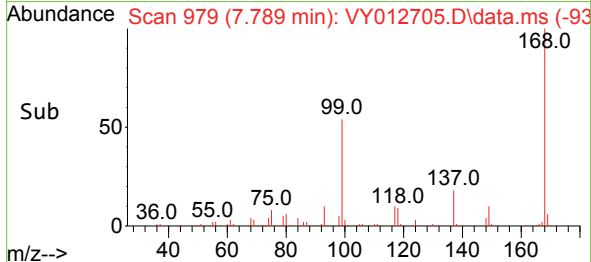
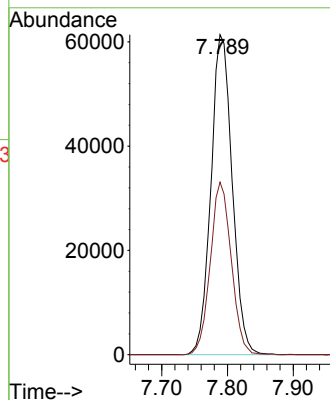
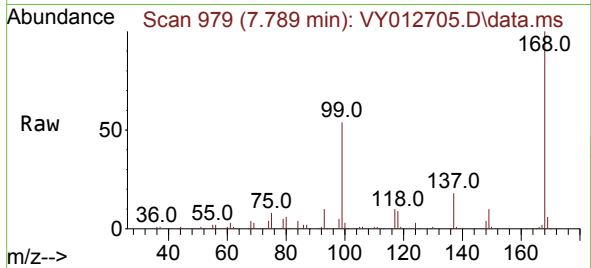




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012705.D  
Acq: 23 Feb 2023 13:54

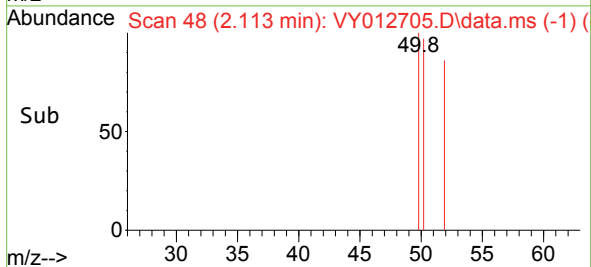
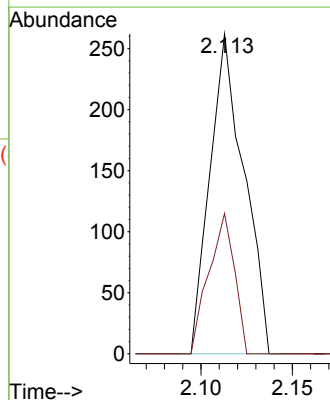
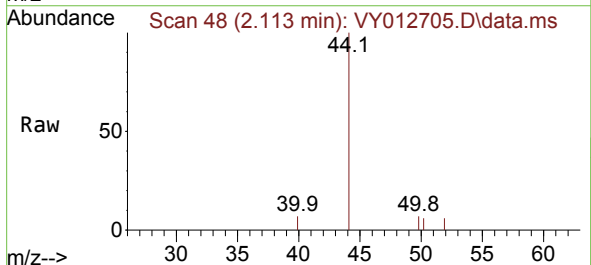
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-11

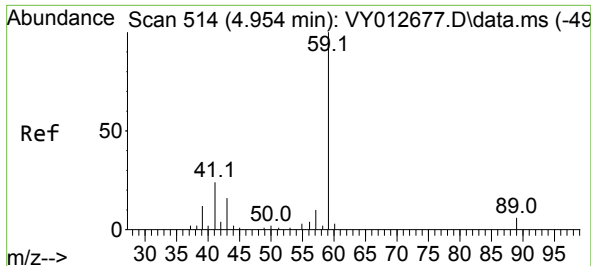
Tgt Ion:168 Resp: 138278  
Ion Ratio Lower Upper  
168 100  
99 53.9 45.4 68.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. -0.000 min  
Lab File: VY012705.D  
Acq: 23 Feb 2023 13:54

Tgt Ion: 50 Resp: 341  
Ion Ratio Lower Upper  
50 100  
52 43.9 26.1 39.1#





#11

Tert butyl alcohol

Concen: 2.060 ug/l

RT: 4.917 min Scan# 50

Delta R.T. -0.037 min

Lab File: VY012705.D

Acq: 23 Feb 2023 13:54

Instrument :

MSVOA\_Y

ClientSampleId :

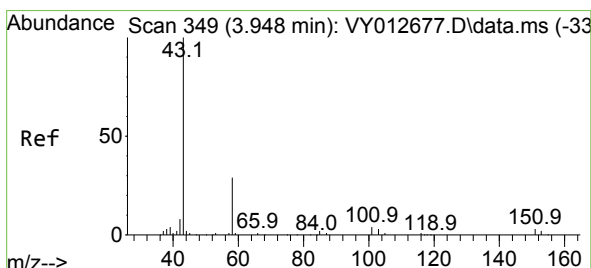
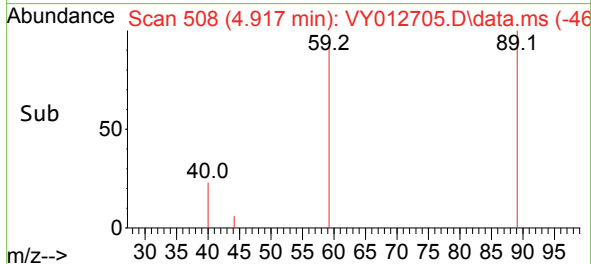
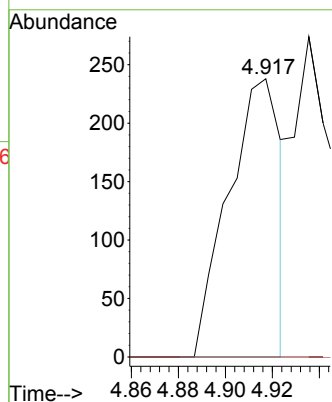
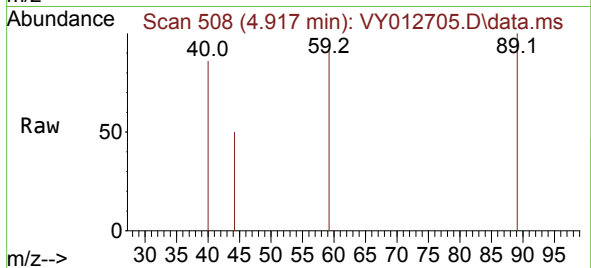
WC-I1

Tgt Ion: 59 Resp: 368

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#16

Acetone

Concen: 3.550 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY012705.D

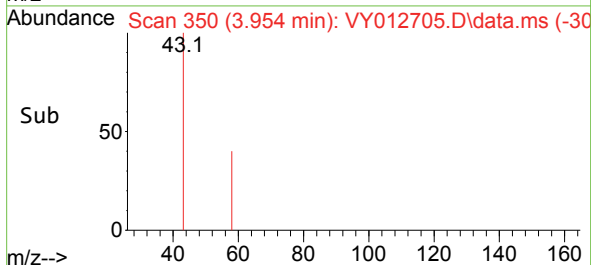
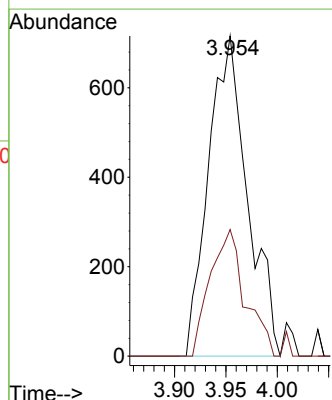
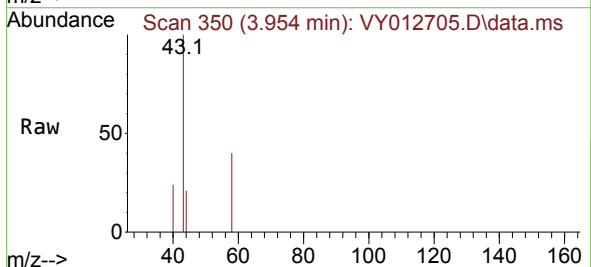
Acq: 23 Feb 2023 13:54

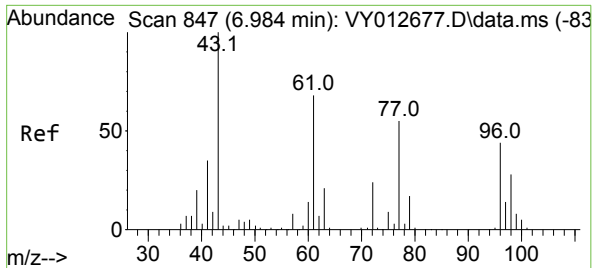
Tgt Ion: 43 Resp: 1892

Ion Ratio Lower Upper

43 100

58 39.5 23.3 34.9#

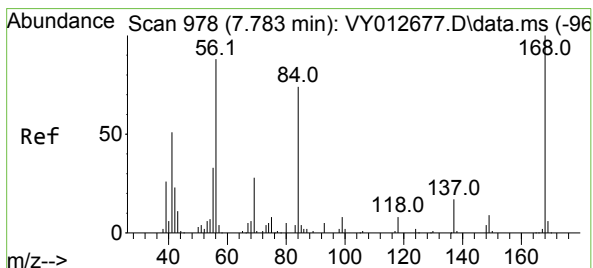
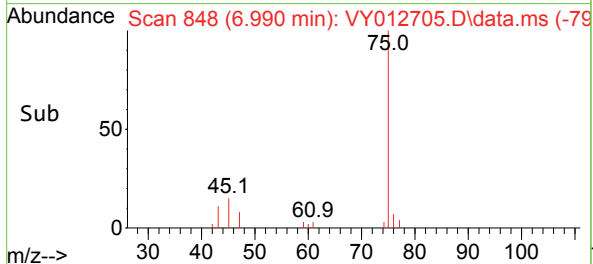
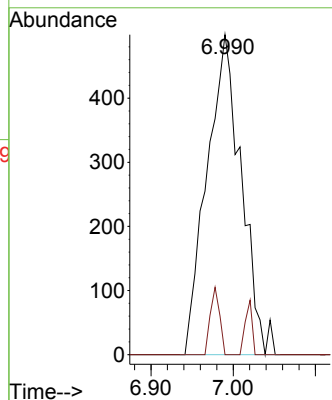
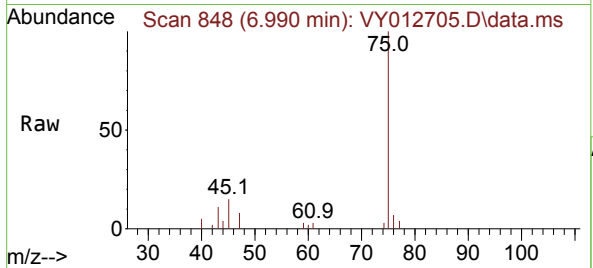




#25  
2-Butanone  
Concen: 2.047 ug/l  
RT: 6.990 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY012705.D  
Acq: 23 Feb 2023 13:54

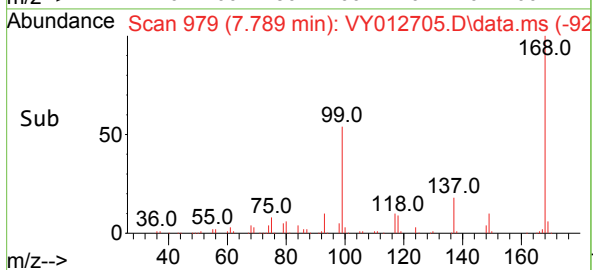
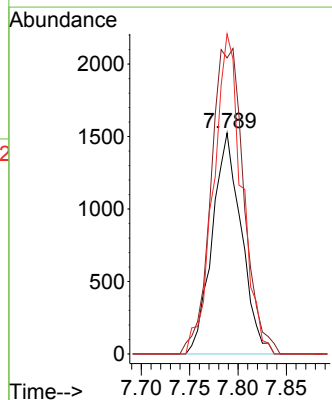
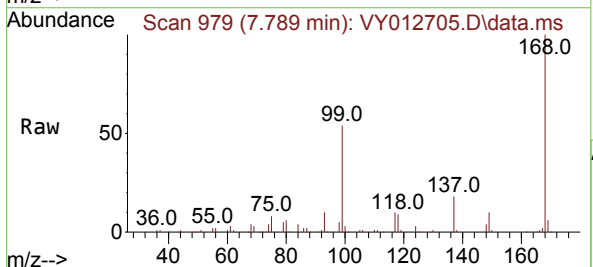
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-I1

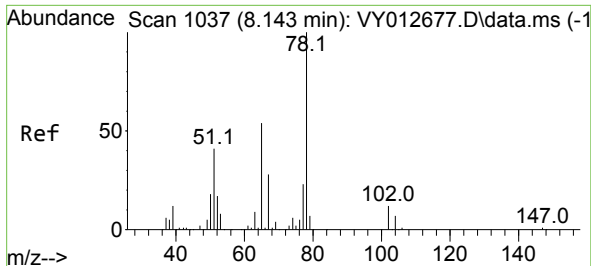
Tgt Ion: 43 Resp: 1448  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.8 28.2#



#31  
Cyclohexane  
Concen: 1.125 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY012705.D  
Acq: 23 Feb 2023 13:54

Tgt Ion: 56 Resp: 3191  
Ion Ratio Lower Upper  
56 100  
69 133.9 25.4 38.2#  
84 144.8 67.3 100.9#

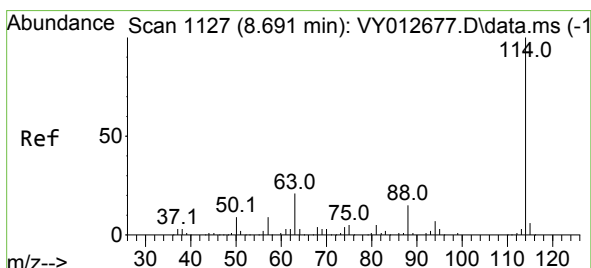
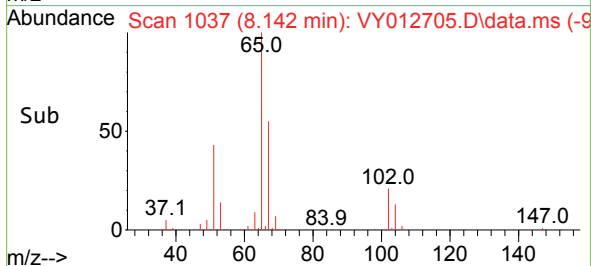
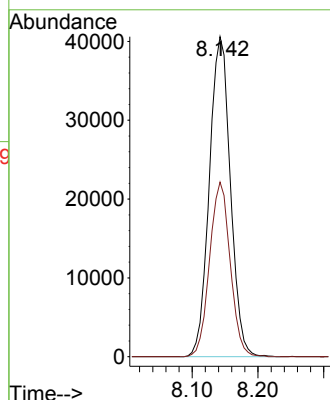
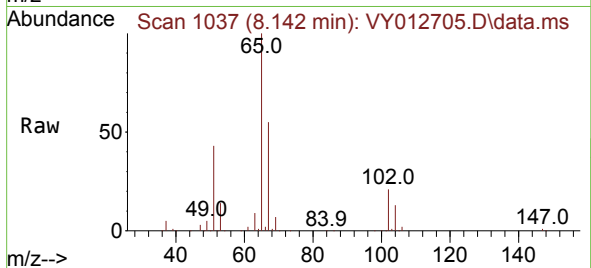




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.344 ug/l  
 RT: 8.142 min Scan# 1037  
 Delta R.T. -0.001 min  
 Lab File: VY012705.D  
 Acq: 23 Feb 2023 13:54

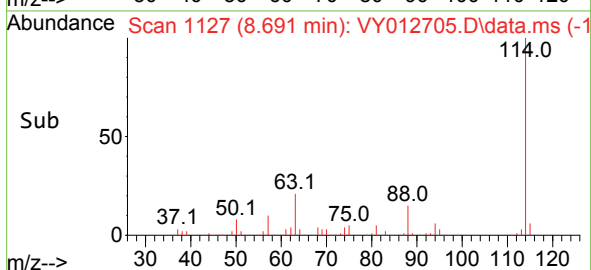
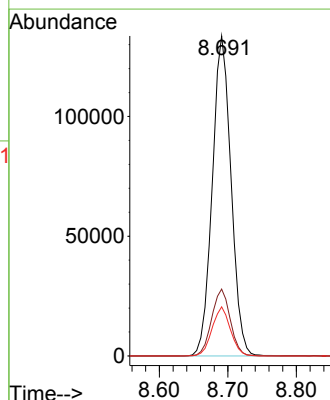
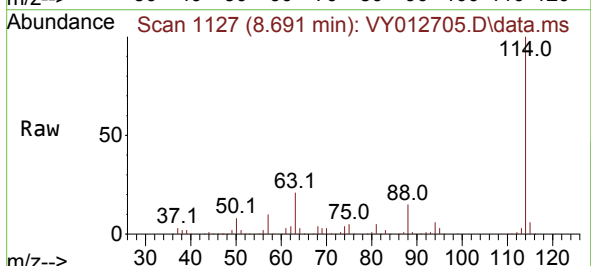
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-I1

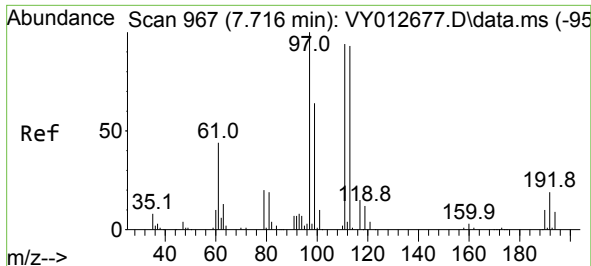
Tgt Ion: 65 Resp: 90384  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. -0.000 min  
 Lab File: VY012705.D  
 Acq: 23 Feb 2023 13:54

Tgt Ion:114 Resp: 254425  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 42.8  
 88 15.3 0.0 29.6

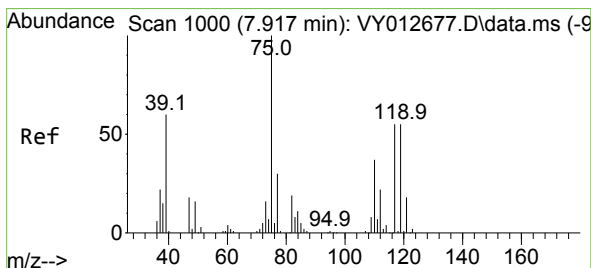
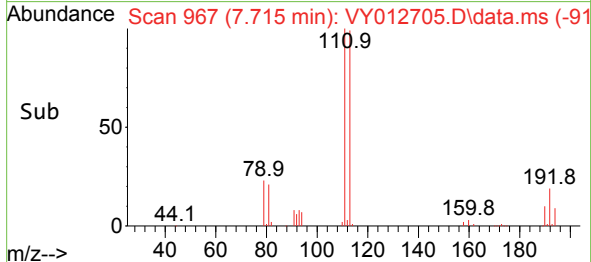
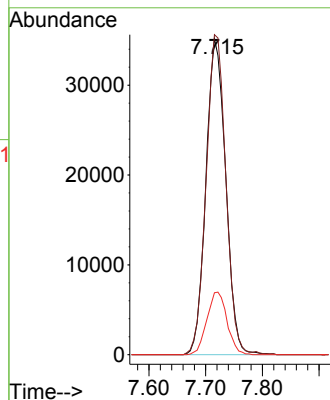
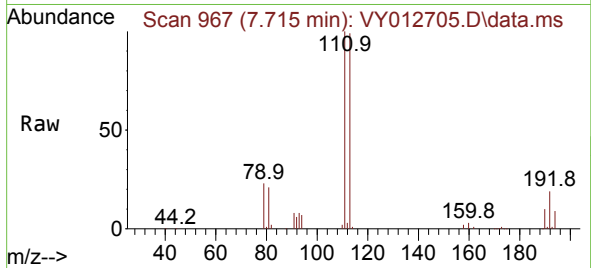




#35  
Dibromofluoromethane  
Concen: 49.595 ug/l  
RT: 7.715 min Scan# 911  
Delta R.T. -0.001 min  
Lab File: VY012705.D  
Acq: 23 Feb 2023 13:54

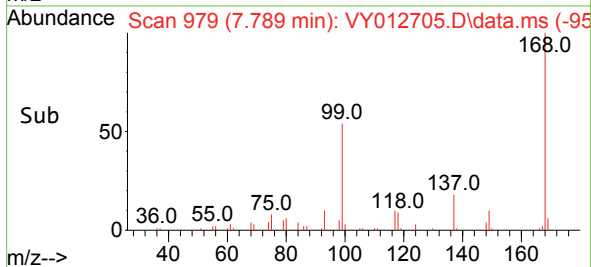
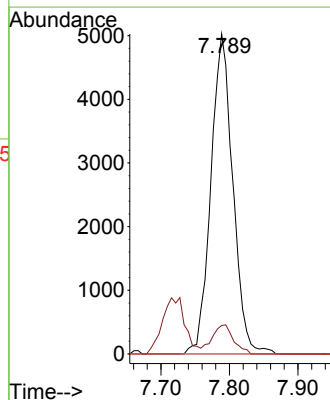
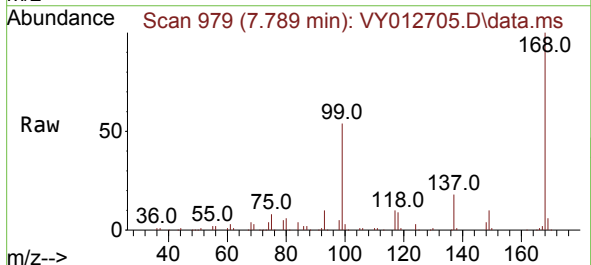
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-I1

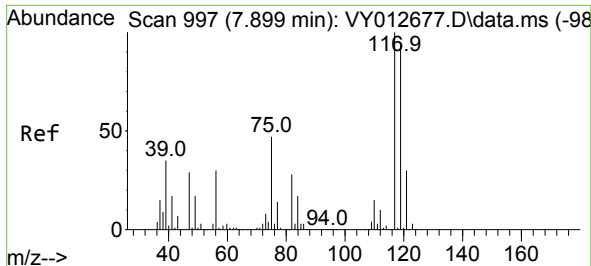
Tgt Ion:113 Resp: 85228  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.0 123.0  
192 20.2 16.2 24.2



#36  
1,1-Dichloropropene  
Concen: 4.105 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.128 min  
Lab File: VY012705.D  
Acq: 23 Feb 2023 13:54

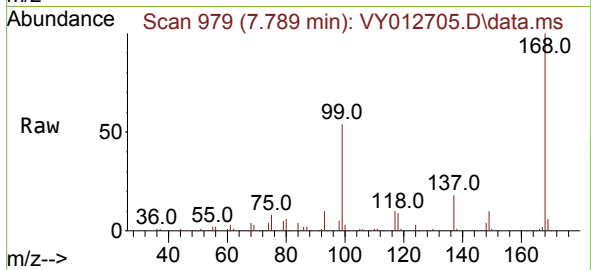
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Ion Ratio Lower Upper  
75 100  
110 8.8 17.6 52.8#  
77 0.0 24.6 37.0#



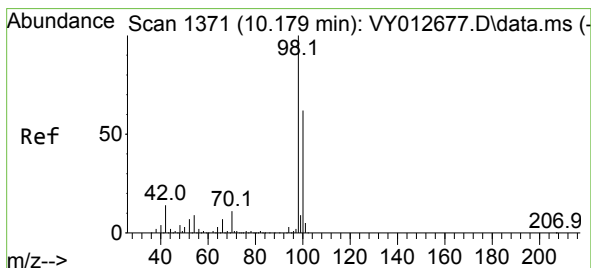
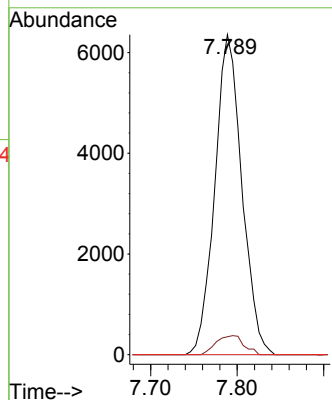
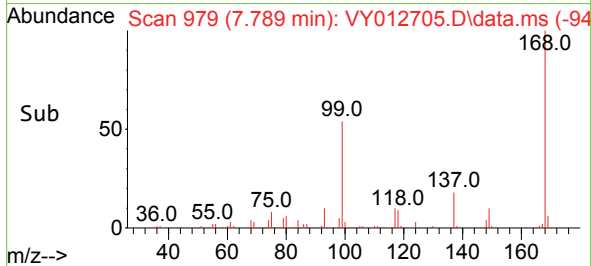


#38  
Carbon Tetrachloride  
Concen: 4.891 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY012705.D  
Acq: 23 Feb 2023 13:54

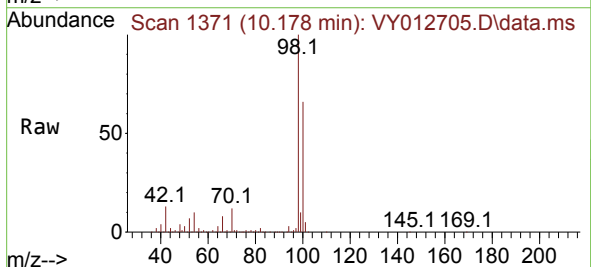
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MSVOA\_Y  
ClientSampleId :  
WC-I1



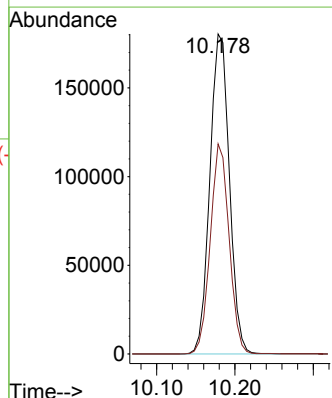
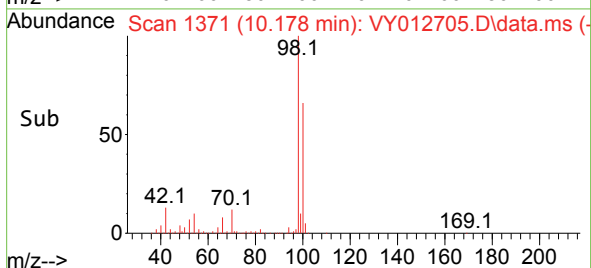
Tgt Ion:117 Resp: 13775  
Ion Ratio Lower Upper  
117 100  
119 5.6 75.5 113.3#  
121 0.0 23.8 35.8#

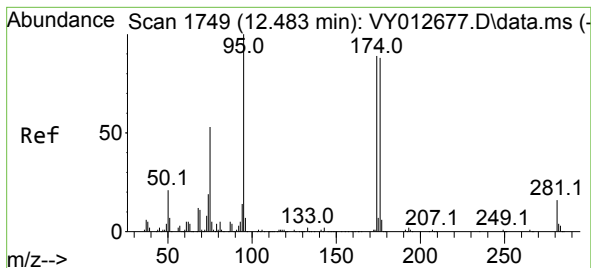


#50  
Toluene-d8  
Concen: 48.426 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. -0.001 min  
Lab File: VY012705.D  
Acq: 23 Feb 2023 13:54



Tgt Ion: 98 Resp: 311773  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.2 76.8

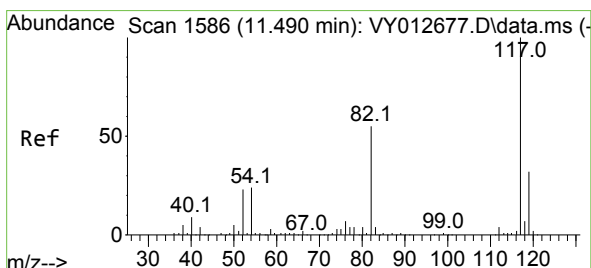
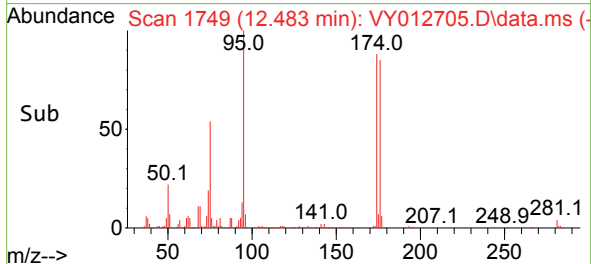
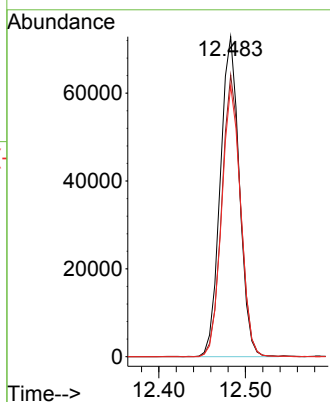
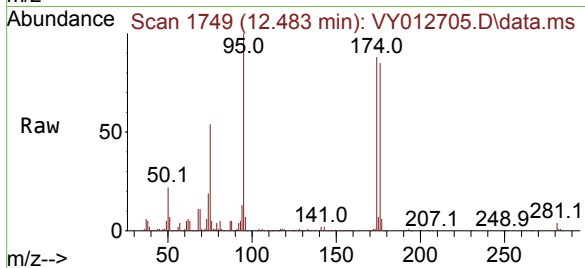




#62  
4-Bromofluorobenzene  
Concen: 54.041 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012705.D  
Acq: 23 Feb 2023 13:54

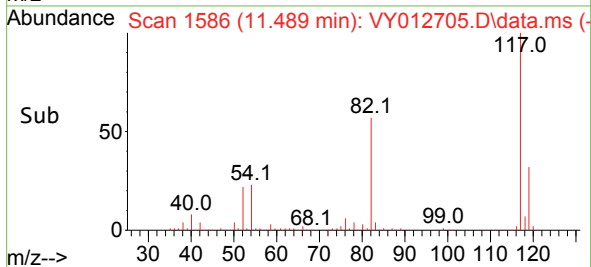
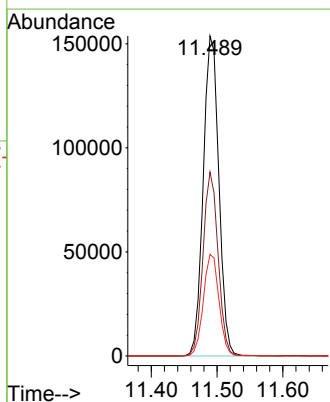
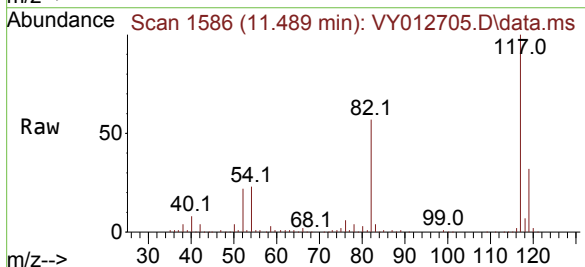
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-I1

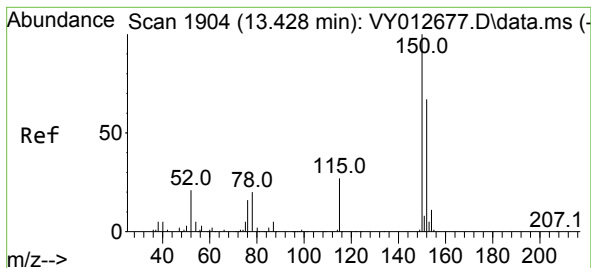
Tgt Ion: 95 Resp: 111337  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 172.8  
176 84.0 0.0 169.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY012705.D  
Acq: 23 Feb 2023 13:54

Tgt Ion: 117 Resp: 254381  
Ion Ratio Lower Upper  
117 100  
82 57.5 44.1 66.1  
119 31.7 25.5 38.3

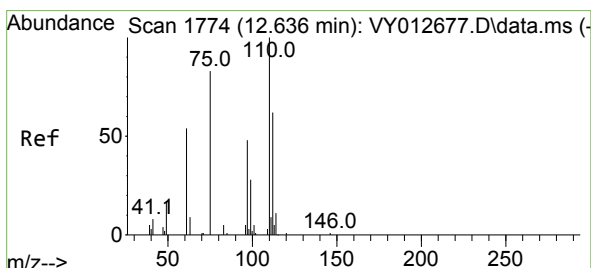
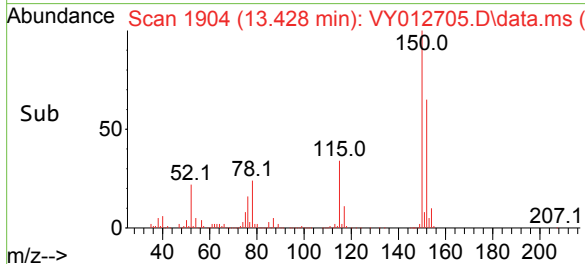
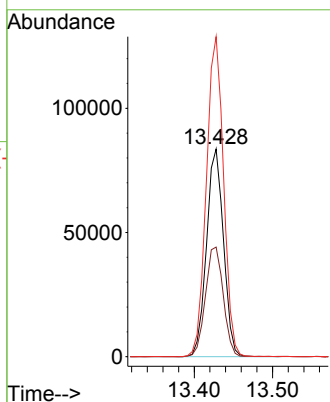
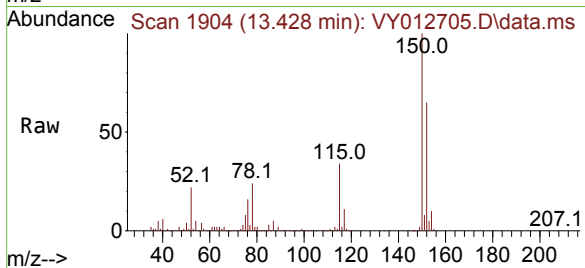




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY012705.D  
 Acq: 23 Feb 2023 13:54

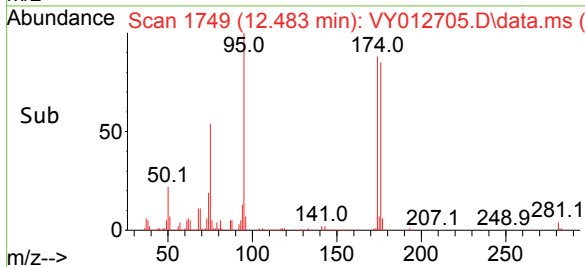
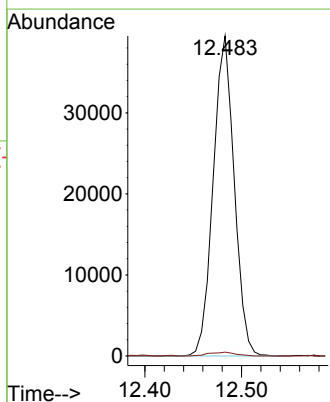
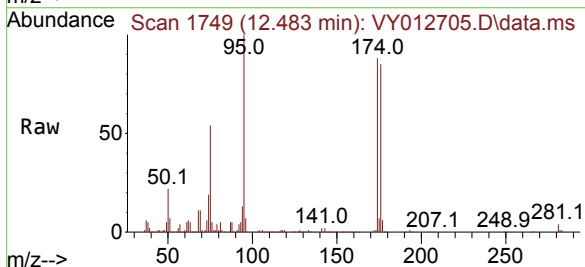
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-I1

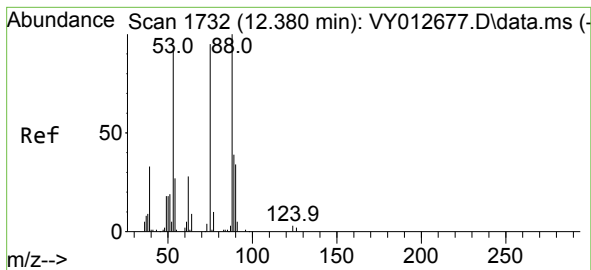
Tgt Ion:152 Resp: 125666  
 Ion Ratio Lower Upper  
 152 100  
 115 55.6 28.7 86.3  
 150 156.0 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 37.951 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY012705.D  
 Acq: 23 Feb 2023 13:54

Tgt Ion: 75 Resp: 59455  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 80.398 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.103 min  
 Lab File: VY012705.D  
 Acq: 23 Feb 2023 13:54

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-I1

Tgt Ion: 75 Resp: 59455  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 80.4 120.6#  
 89 0.2 36.5 54.7#

