

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111022\  
 Data File : VY011400.D  
 Acq On : 10 Nov 2022 18:54  
 Operator : KP/MD  
 Sample : N5531-13  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-28B

Quant Time: Nov 10 22:18:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 10 17:47:26 2022  
 Response via : Initial Calibration

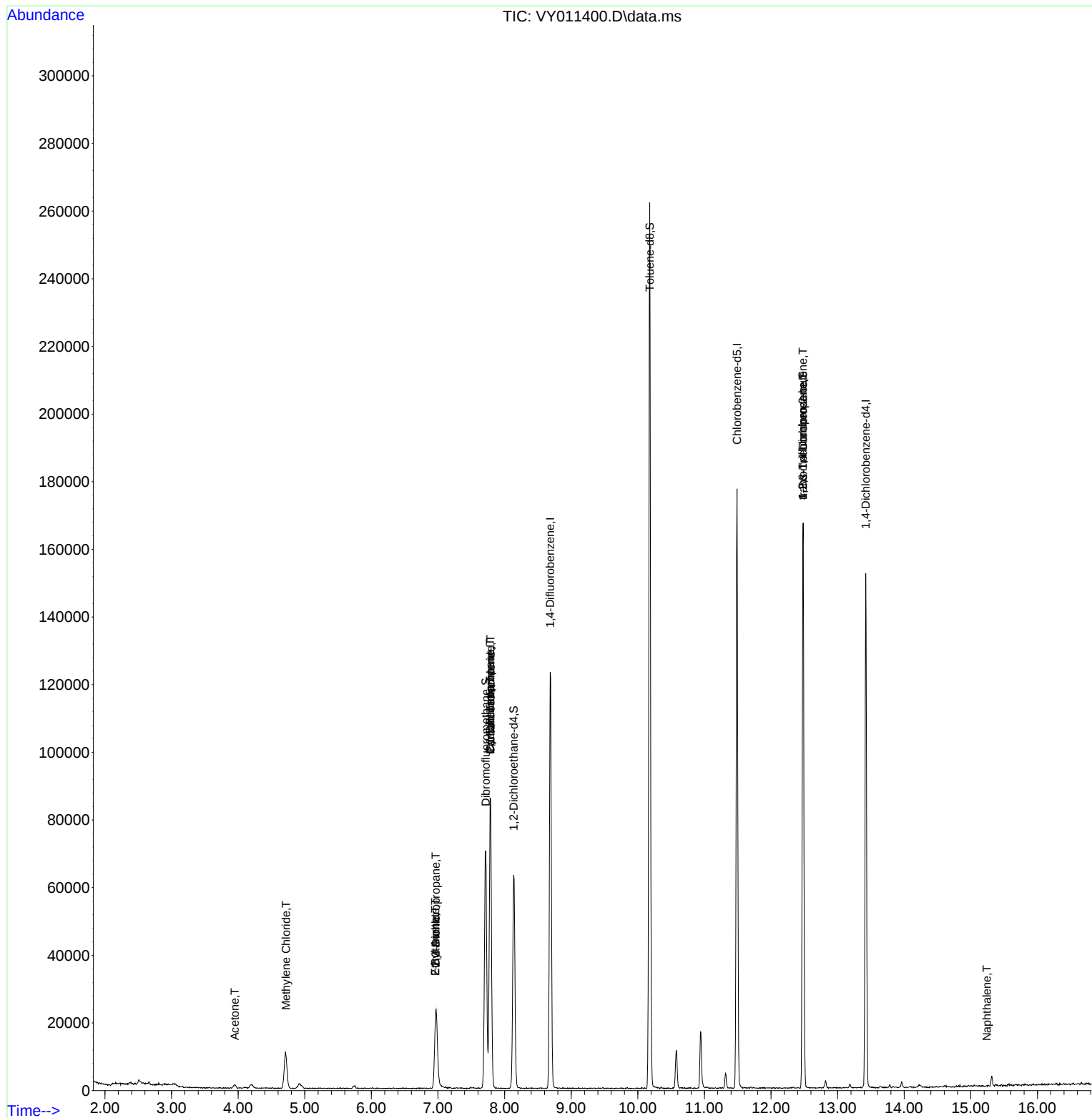
| Compound                      | R.T. QIon |       | Response | Conc      | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|-------------|----------|
| -----                         |           |       |          |           |             |          |
| Internal Standards            |           |       |          |           |             |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 70045    | 50.000    | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 112343   | 50.000    | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 102949   | 50.000    | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 42072    | 50.000    | ug/l        | 0.00     |
| System Monitoring Compounds   |           |       |          |           |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 50393    | 85.855    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 171.700%# |          |
| 35) Dibromofluoromethane      | 7.715     | 113   | 51625    | 81.997    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 164.000%# |          |
| 50) Toluene-d8                | 10.178    | 98    | 180911   | 75.215    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 150.440%# |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 52065    | 62.061    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 124.120%  |          |
| Target Compounds              |           |       |          |           |             |          |
|                               |           |       |          |           | Qvalue      |          |
| 11) Tert butyl alcohol        | 4.923     | 59    | 1869     | Below Cal | #           | 77       |
| 16) Acetone                   | 3.948     | 43    | 1783     | 11.512    | ug/l #      | 81       |
| 20) Methylene Chloride        | 4.716     | 84    | 8714     | 3.362     | ug/l #      | 70       |
| 25) 2-Butanone                | 6.959     | 43    | 562      | 2.547     | ug/l #      | 54       |
| 26) 2,2-Dichloropropane       | 6.966     | 77    | 1940     | 1.760     | ug/l #      | 55       |
| 31) Cyclohexane               | 7.782     | 56    | 1148     | 1.088     | ug/l #      | 1        |
| 36) 1,1-Dichloropropene       | 7.782     | 75    | 5038     | 5.156     | ug/l #      | 52       |
| 37) Ethyl Acetate             | 6.959     | 43    | 562      | 1.197     | ug/l #      | 1        |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 6693     | 6.297     | ug/l #      | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 24819    | 50.963    | ug/l #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 24819    | 122.501   | ug/l #      | 7        |
| 95) Naphthalene               | 15.238    | 128   | 111      | 3.340     | ug/l #      | 69       |
| -----                         |           |       |          |           |             |          |

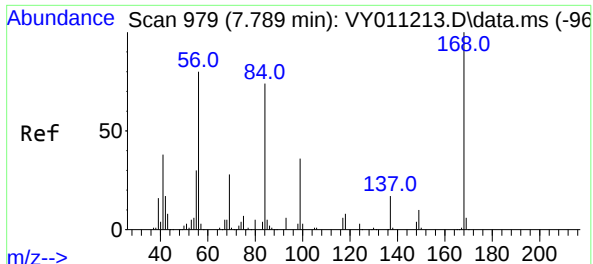
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111022\  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-28B

Quant Time: Nov 10 22:18:18 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 10 17:47:26 2022  
Response via : Initial Calibration

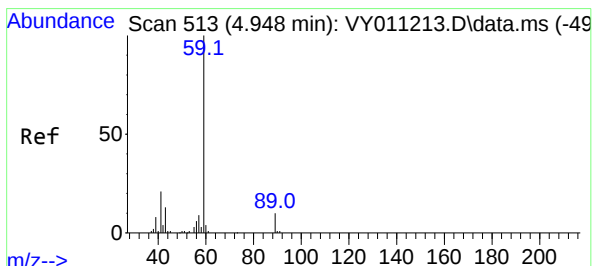
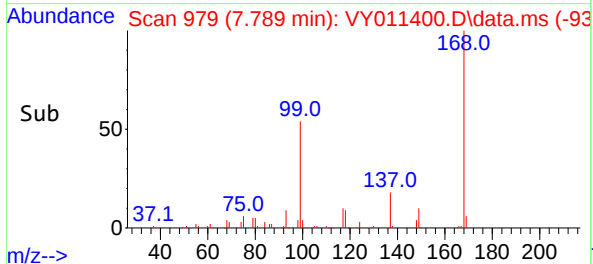
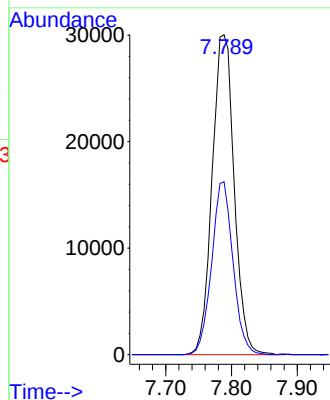
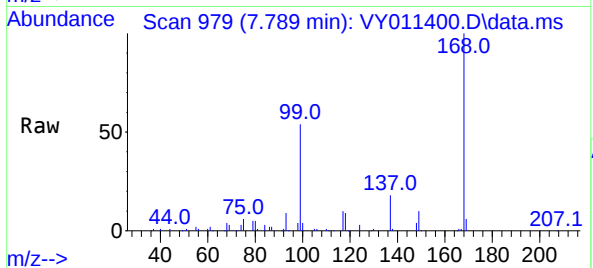




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

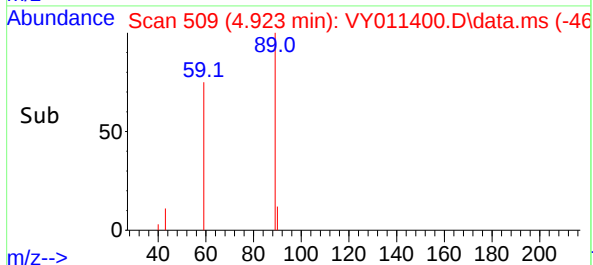
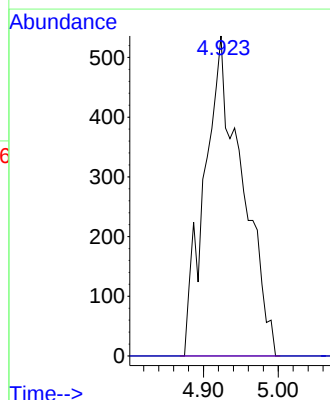
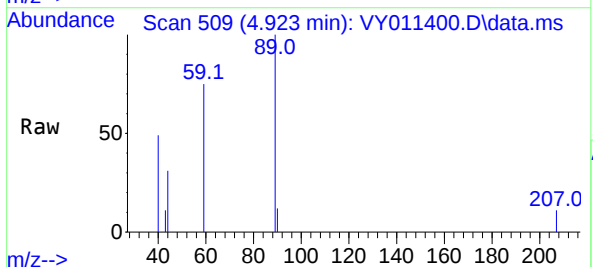
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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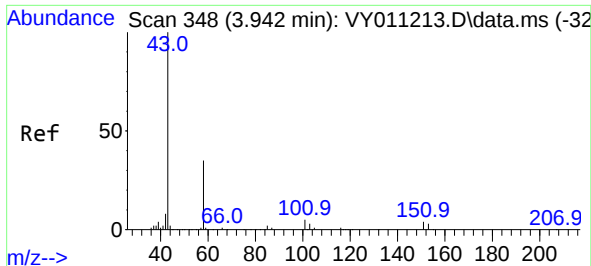
Tgt Ion:168 Resp: 70045  
Ion Ratio Lower Upper  
168 100  
99 54.1 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.923 min Scan# 509  
Delta R.T. -0.031 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

Tgt Ion: 59 Resp: 1869  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

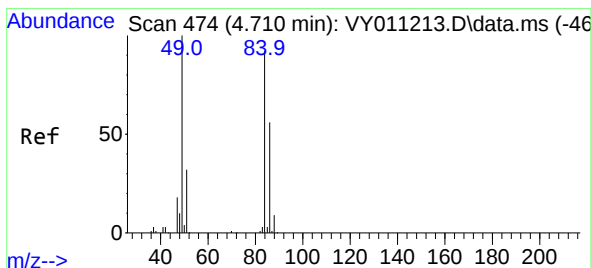
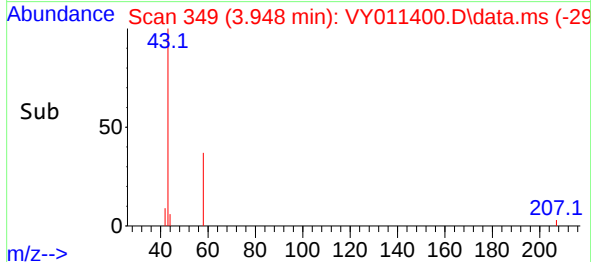
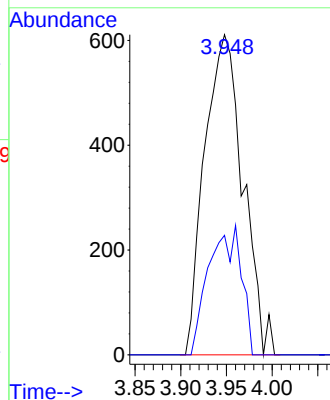
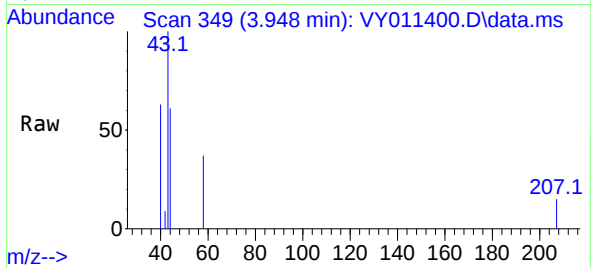




#16  
Acetone  
Concen: 11.512 ug/l  
RT: 3.948 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

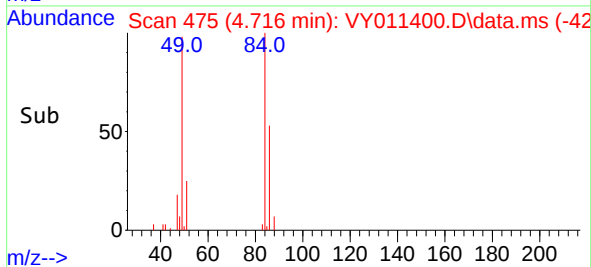
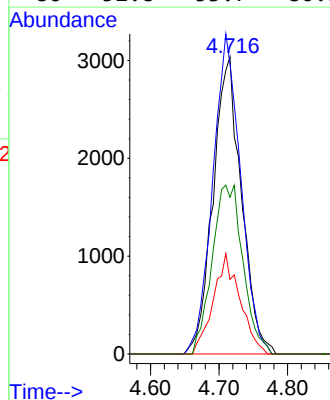
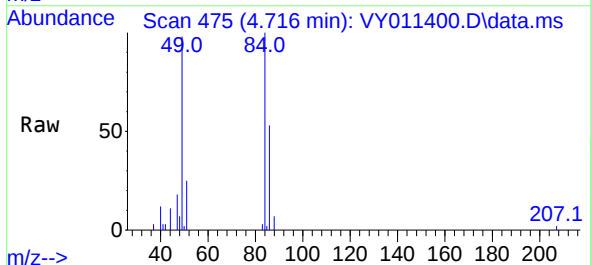
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-28B

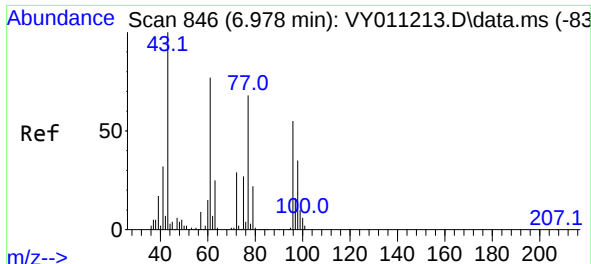
Tgt Ion: 43 Resp: 1783  
Ion Ratio Lower Upper  
43 100  
58 37.3 22.0 33.0#



#20  
Methylene Chloride  
Concen: 3.362 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

Tgt Ion: 84 Resp: 8714  
Ion Ratio Lower Upper  
84 100  
49 97.8 114.4 171.6#  
51 25.1 35.3 52.9#  
86 52.8 53.7 80.5#

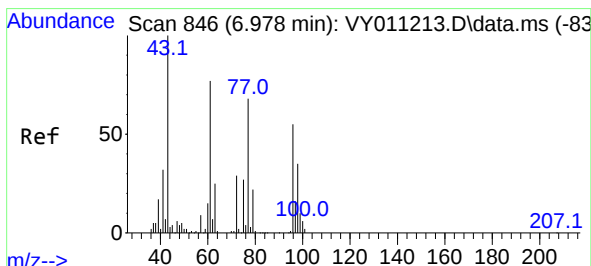
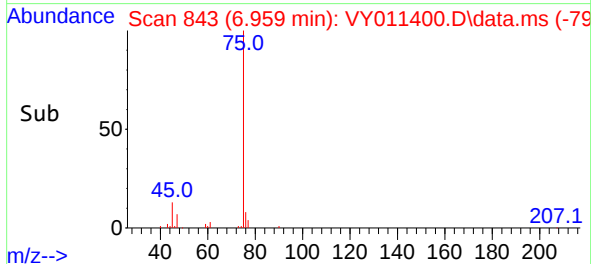
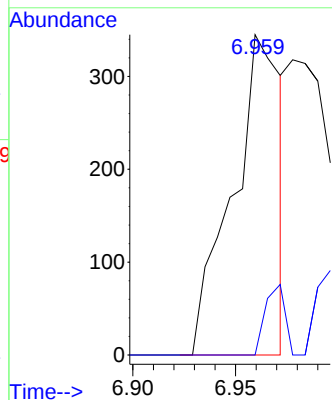
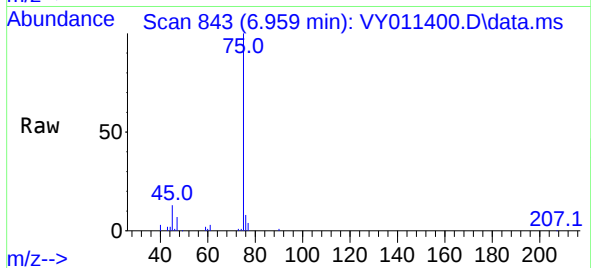




#25  
2-Butanone  
Concen: 2.547 ug/l  
RT: 6.959 min Scan# 843  
Delta R.T. -0.019 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

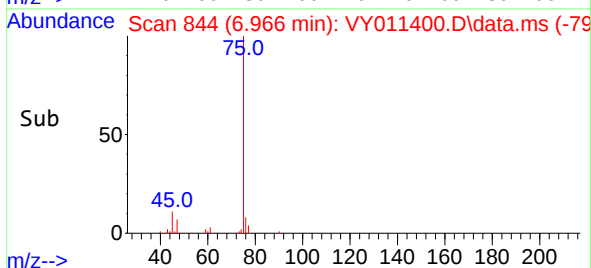
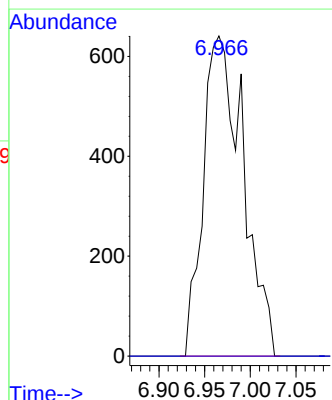
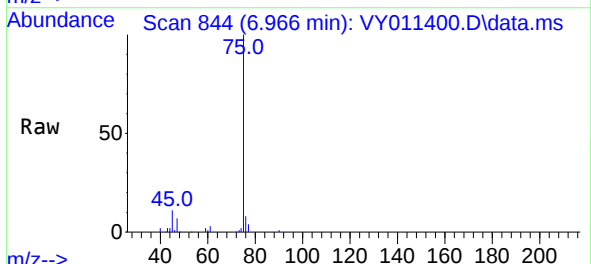
Instrument :  
MSVOA\_Y  
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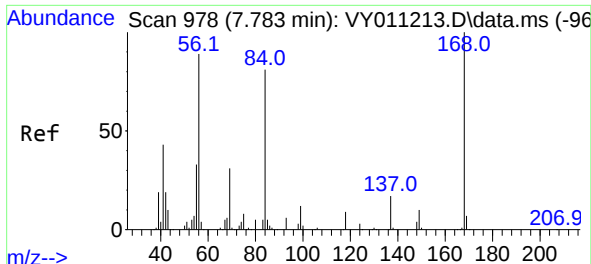
Tgt Ion: 43 Resp: 562  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.7 26.5#



#26  
2,2-Dichloropropane  
Concen: 1.760 ug/l  
RT: 6.966 min Scan# 844  
Delta R.T. -0.012 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

Tgt Ion: 77 Resp: 1940  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.4 31.4#

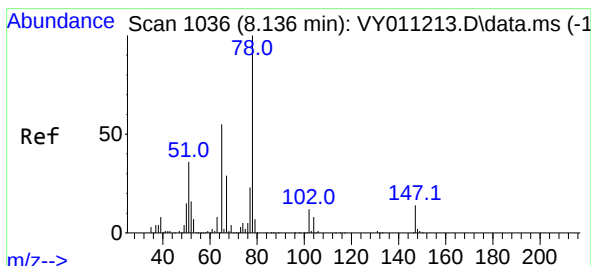
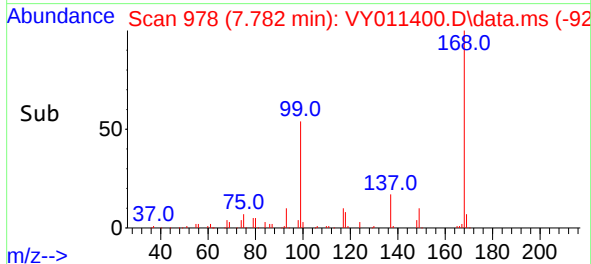
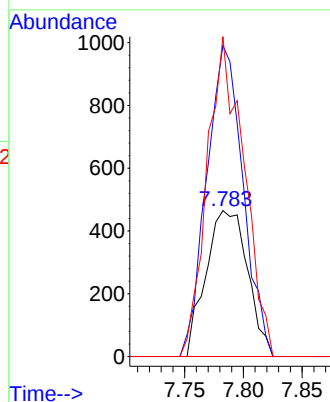
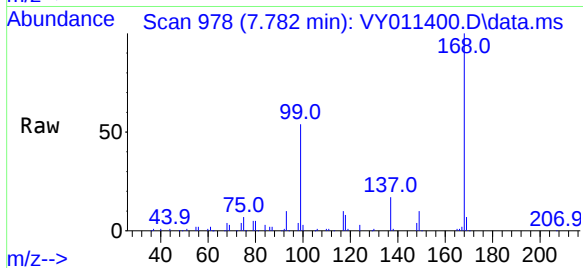




#31  
Cyclohexane  
Concen: 1.088 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. -0.001 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

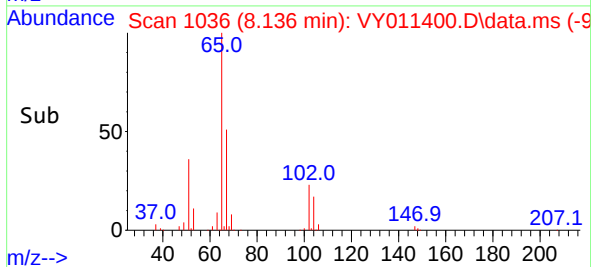
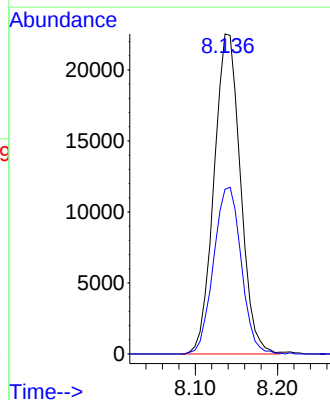
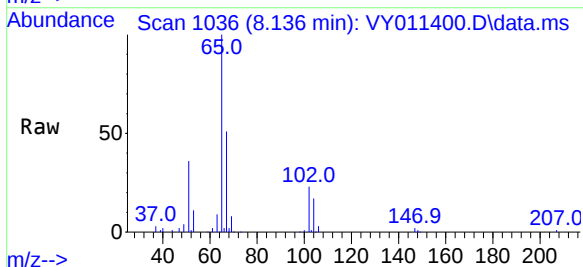
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-28B

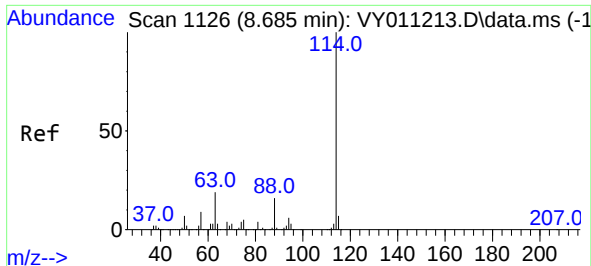
Tgt Ion: 56 Resp: 1148  
Ion Ratio Lower Upper  
56 100  
69 213.1 26.7 40.1#  
84 219.1 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 85.855 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

Tgt Ion: 65 Resp: 50393  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY011400.D

Acq: 10 Nov 2022 18:54

Instrument :

MSVOA\_Y

ClientSampleId :

SB-28B

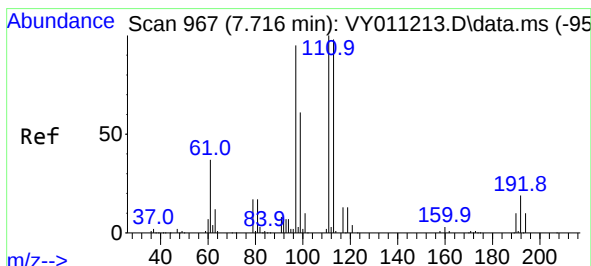
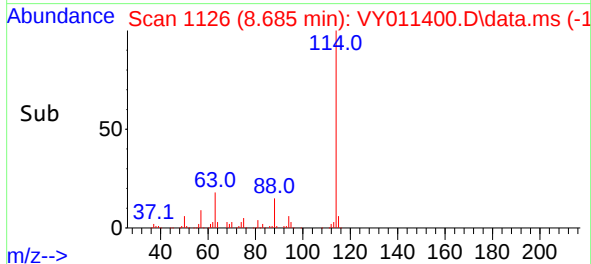
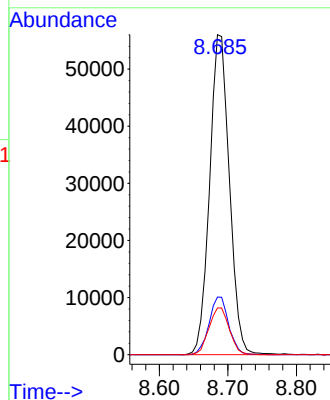
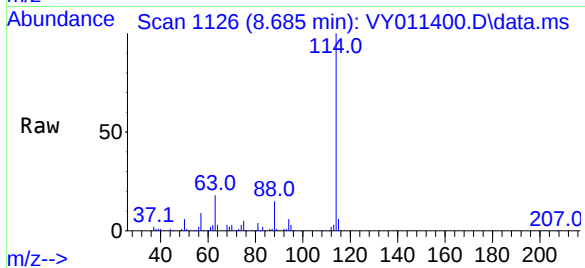
Tgt Ion:114 Resp: 112343

Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 81.997 ug/l

RT: 7.715 min Scan# 967

Delta R.T. 0.005 min

Lab File: VY011400.D

Acq: 10 Nov 2022 18:54

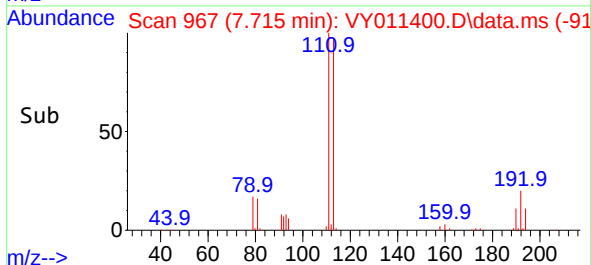
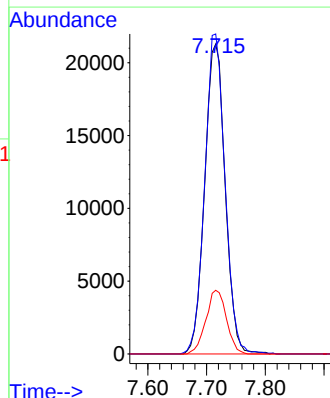
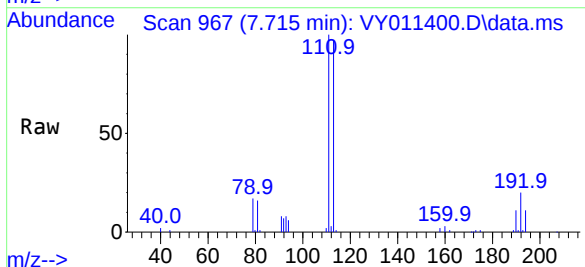
Tgt Ion:113 Resp: 51625

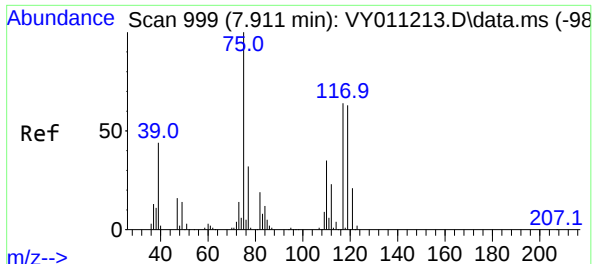
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 20.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.156 ug/l

RT: 7.782 min Scan# 91

Delta R.T. -0.135 min

Lab File: VY011400.D

Acq: 10 Nov 2022 18:54

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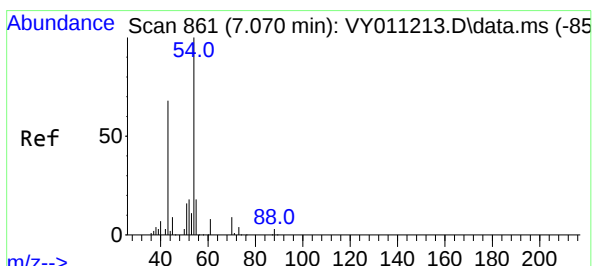
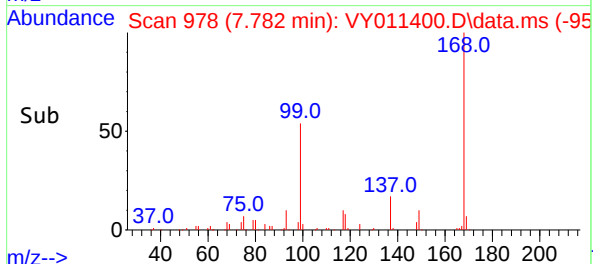
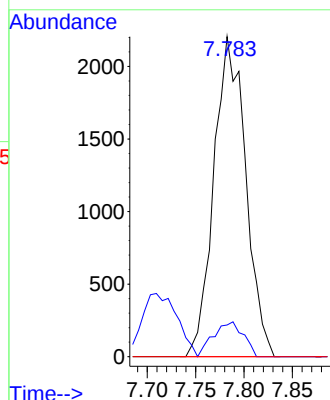
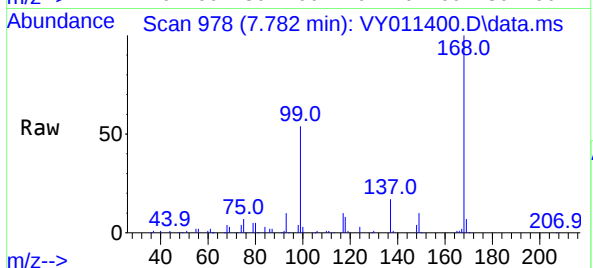
Tgt Ion: 75 Resp: 5038

Ion Ratio Lower Upper

75 100

110 10.3 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.197 ug/l

RT: 6.959 min Scan# 843

Delta R.T. -0.111 min

Lab File: VY011400.D

Acq: 10 Nov 2022 18:54

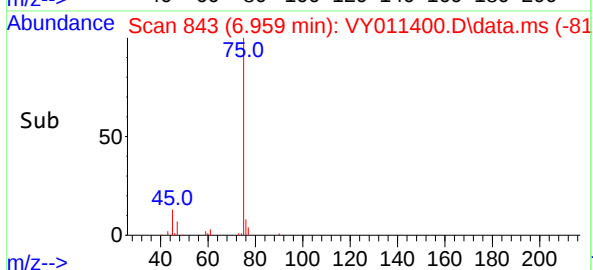
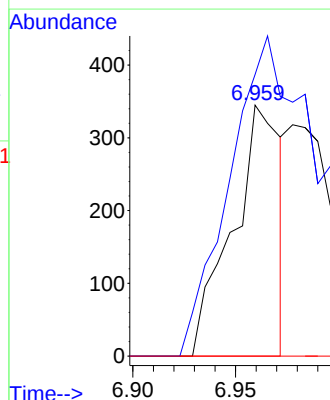
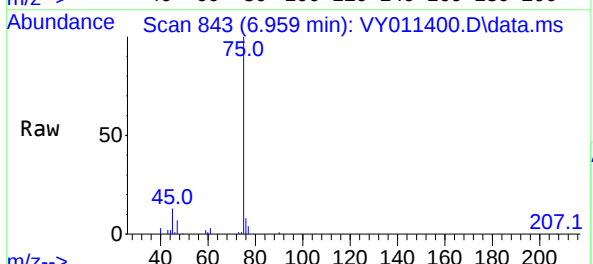
Tgt Ion: 43 Resp: 562

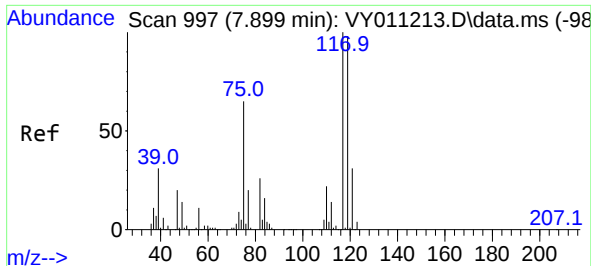
Ion Ratio Lower Upper

43 100

61 227.4 9.7 14.5#

70 0.0 7.1 10.7#

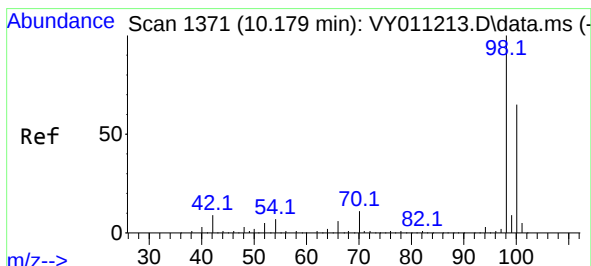
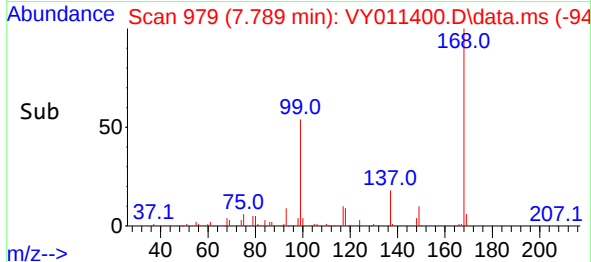
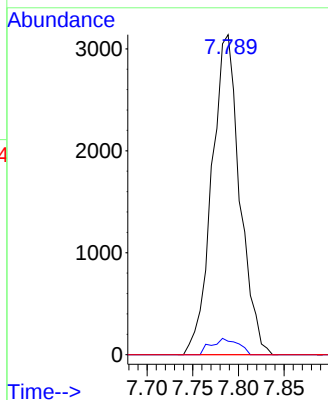
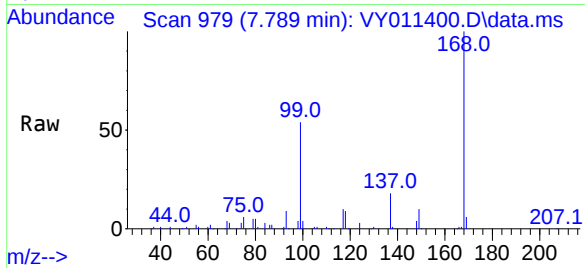




#38  
Carbon Tetrachloride  
Concen: 6.297 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

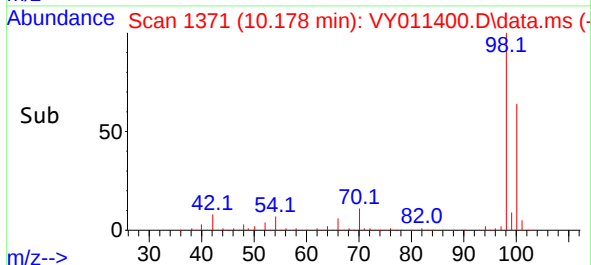
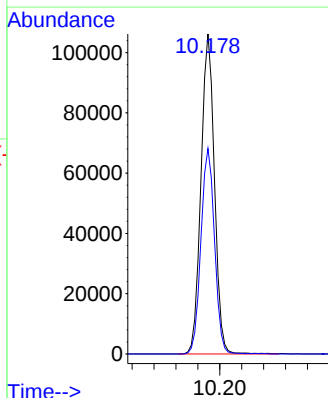
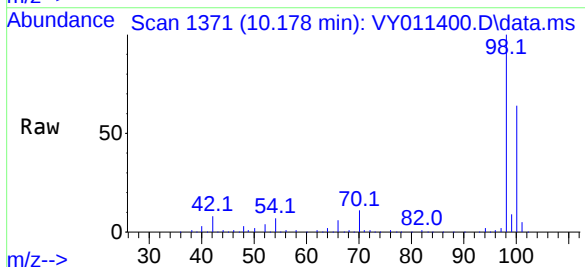
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-28B

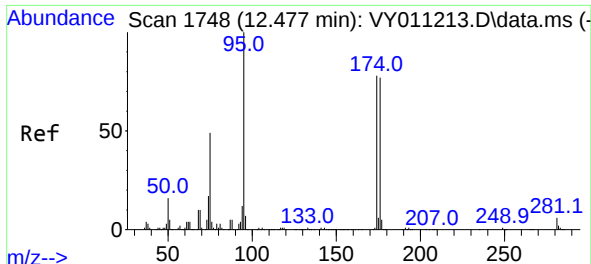
Tgt Ion:117 Resp: 6693  
Ion Ratio Lower Upper  
117 100  
119 4.2 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 75.215 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. -0.001 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

Tgt Ion: 98 Resp: 180911  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.2 75.2

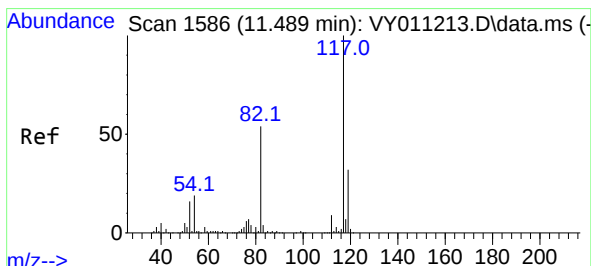
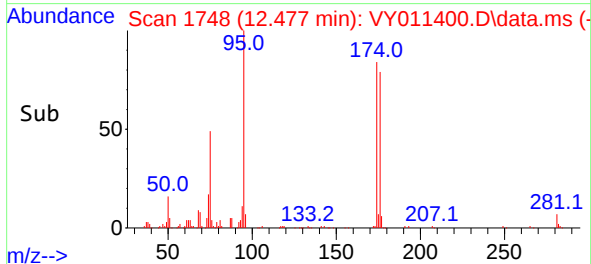
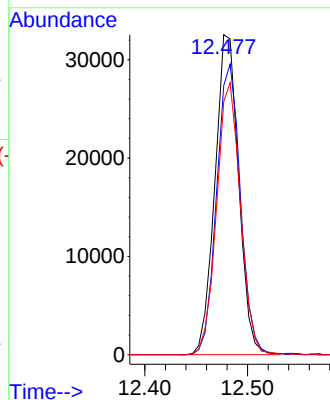
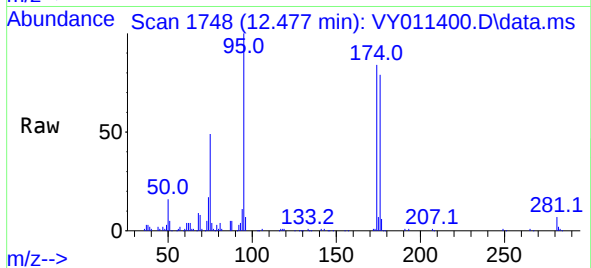




#62  
4-Bromofluorobenzene  
Concen: 62.061 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

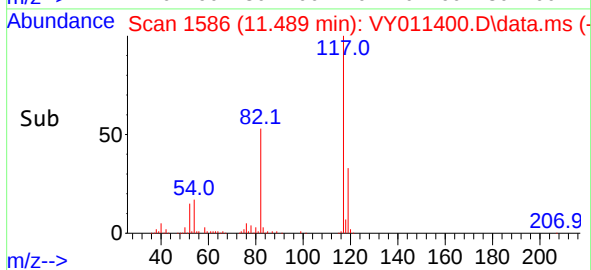
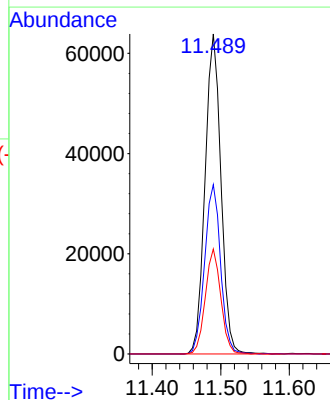
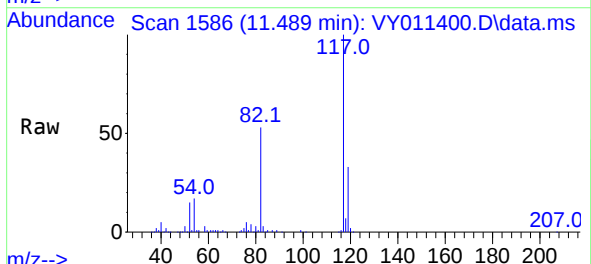
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-28B

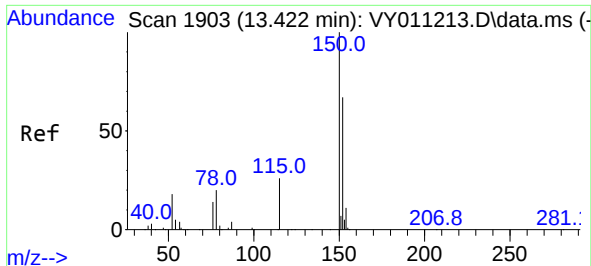
Tgt Ion: 95 Resp: 52065  
Ion Ratio Lower Upper  
95 100  
174 91.2 0.0 177.0  
176 85.3 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

Tgt Ion: 117 Resp: 102949  
Ion Ratio Lower Upper  
117 100  
82 52.9 43.0 64.4  
119 32.8 25.4 38.0

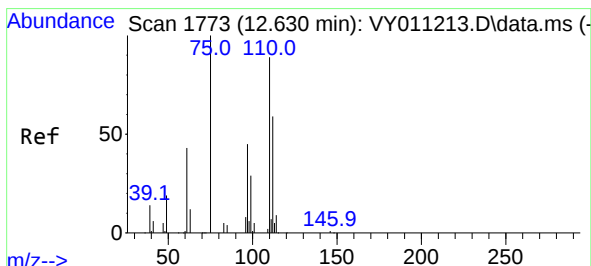
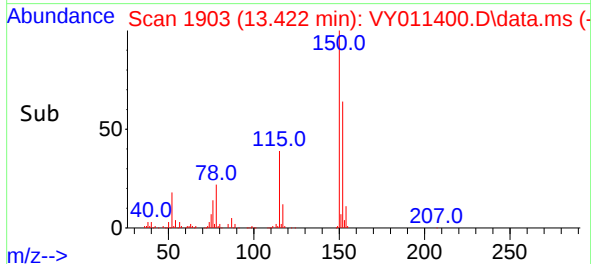
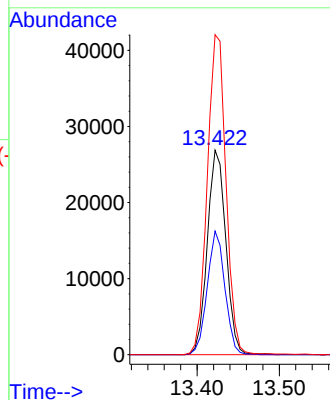
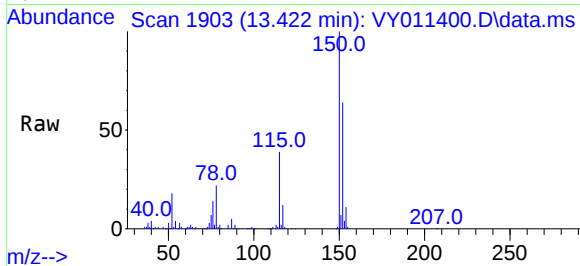




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY011400.D  
 Acq: 10 Nov 2022 18:54

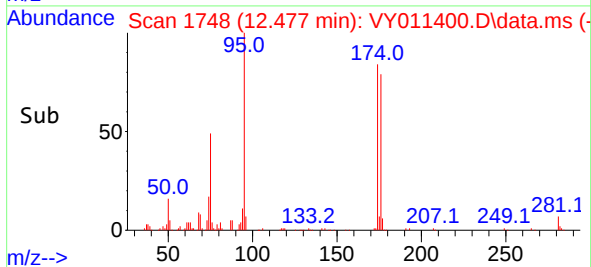
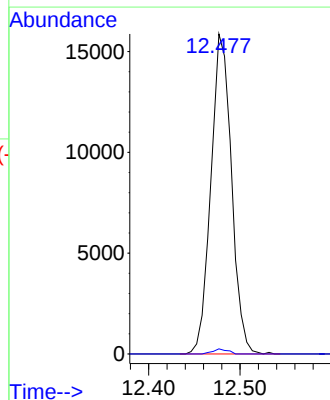
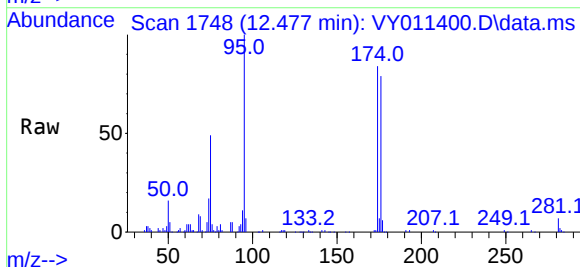
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-28B

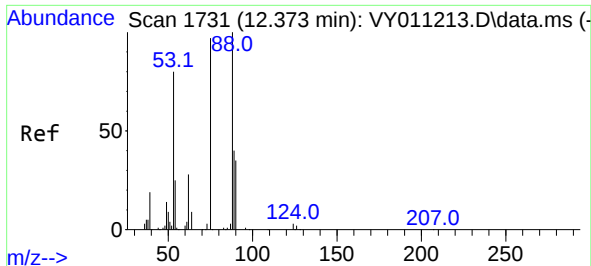
Tgt Ion:152 Resp: 42072  
 Ion Ratio Lower Upper  
 152 100  
 115 57.7 28.2 84.7  
 150 158.1 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 50.963 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.153 min  
 Lab File: VY011400.D  
 Acq: 10 Nov 2022 18:54

Tgt Ion: 75 Resp: 24819  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#

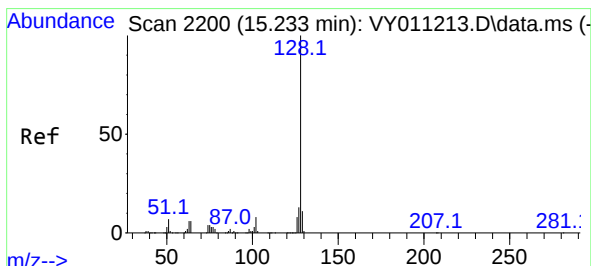
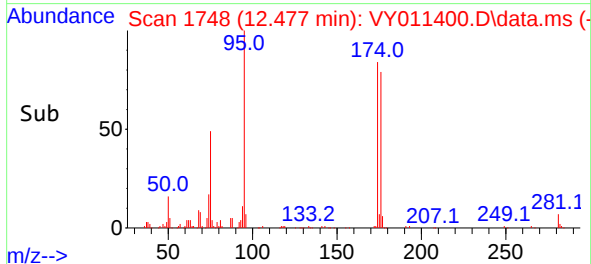
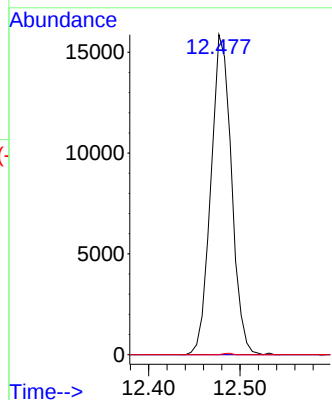
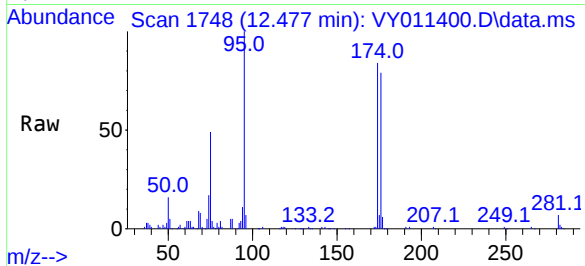




#81  
trans-1,4-Dichloro-2-butene  
Concen: 122.501 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-28B

Tgt Ion: 75 Resp: 24819  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.2 37.0 55.4#



#95  
Naphthalene  
Concen: 3.340 ug/l  
RT: 15.238 min Scan# 2201  
Delta R.T. 0.005 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

Tgt Ion:128 Resp: 111  
Ion Ratio Lower Upper  
128 100  
127 0.0 11.0 16.4#  
129 0.0 8.4 12.6#

