

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111921\  
 Data File : VY006840.D  
 Acq On : 19 Nov 2021 19:28  
 Operator : SY/MD  
 Sample : M4758-05  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP3

Quant Time: Nov 22 03:21:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

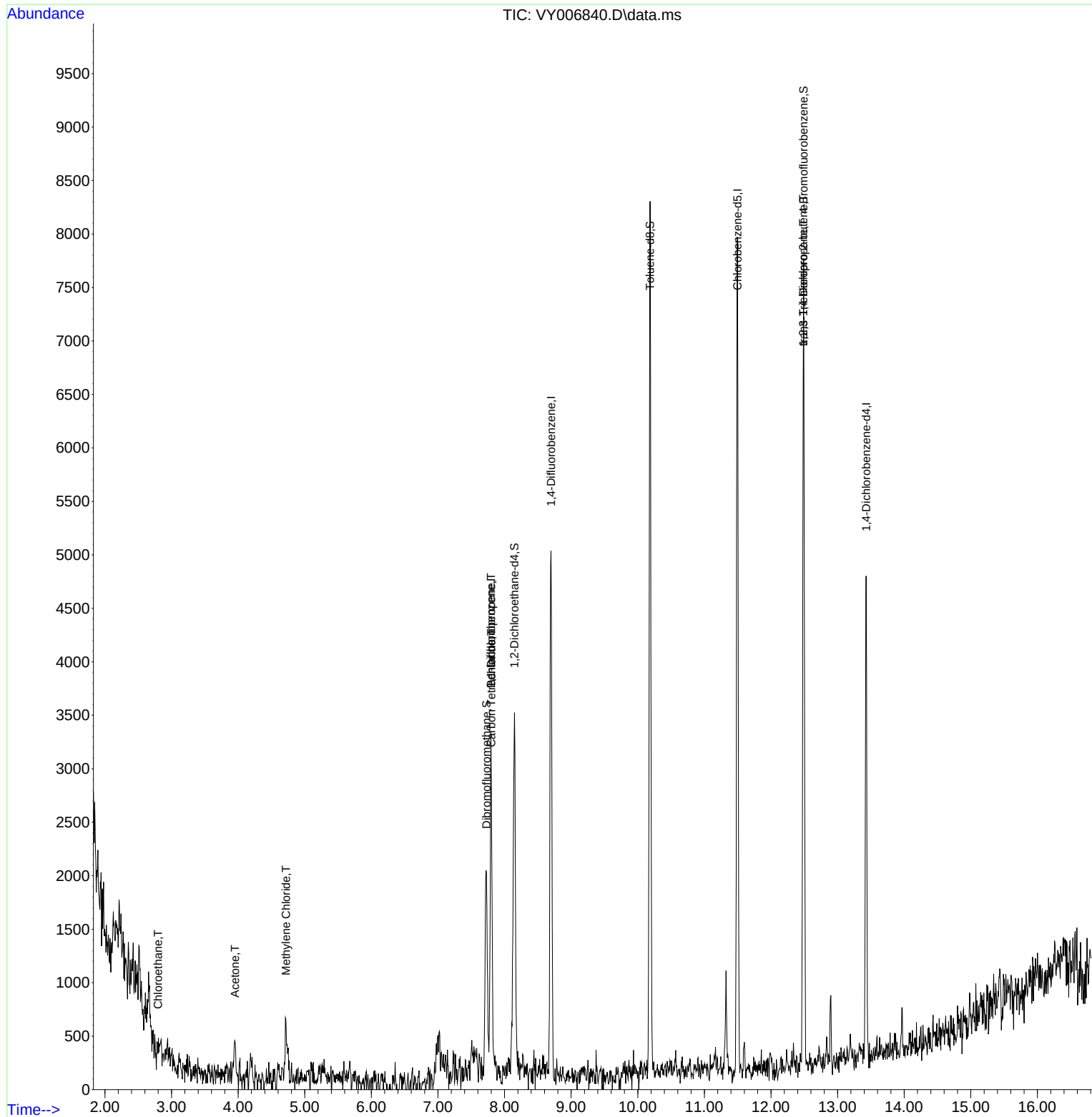
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.795     | 168   | 2656     | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697     | 114   | 4474     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496    | 117   | 4078     | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 1228     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149     | 65    | 2674     | 76.817   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 153.640% |          |
| 35) Dibromofluoromethane      | 7.728     | 113   | 1452     | 52.836   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 105.680% |          |
| 50) Toluene-d8                | 10.185    | 98    | 5553     | 48.830   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 97.660%  |          |
| 62) 4-Bromofluorobenzene      | 12.489    | 95    | 1614     | 42.100   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 84.200%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 6) Chloroethane               | 2.796     | 64    | 97       | 4.070    | ug/l #     | 45       |
| 16) Acetone                   | 3.954     | 43    | 619      | 58.527   | ug/l #     | 88       |
| 20) Methylene Chloride        | 4.716     | 84    | 218      | 3.737    | ug/l #     | 58       |
| 36) 1,1-Dichloropropene       | 7.795     | 75    | 243      | 4.997    | ug/l #     | 42       |
| 38) Carbon Tetrachloride      | 7.801     | 117   | 170      | 3.418    | ug/l #     | 12       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 942      | 70.556   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 942      | 139.805  | ug/l #     | 7        |
| -----                         |           |       |          |          |            |          |

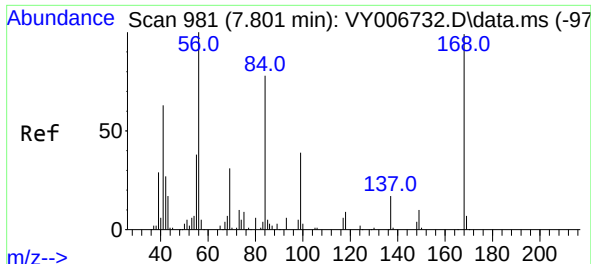
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 22 03:21:12 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 16 04:20:03 2021  
Response via : Initial Calibration

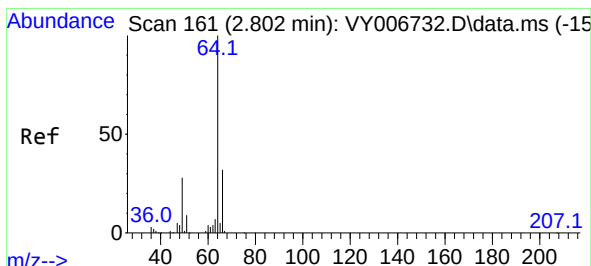
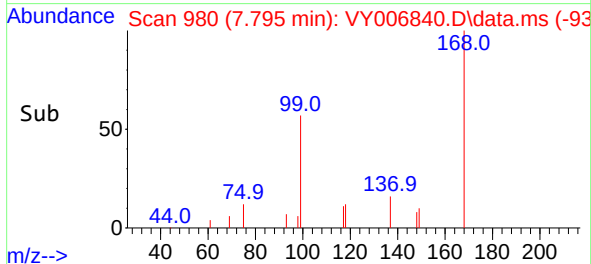
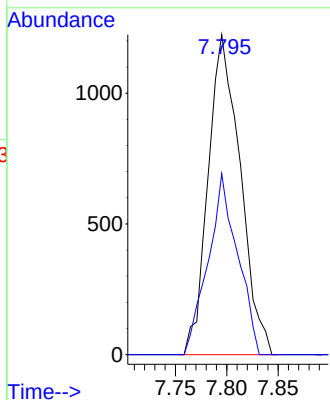
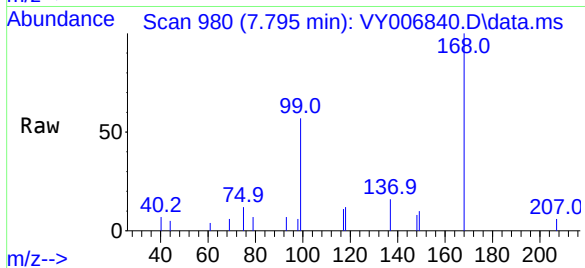




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

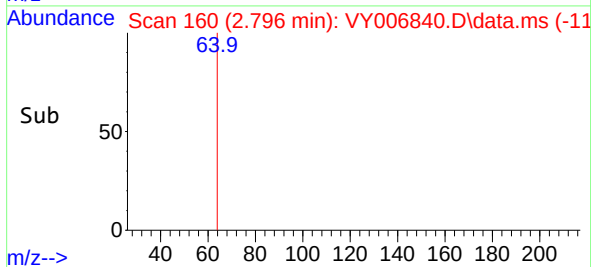
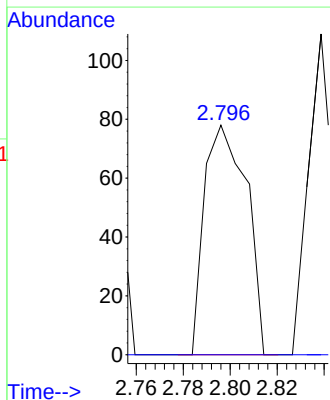
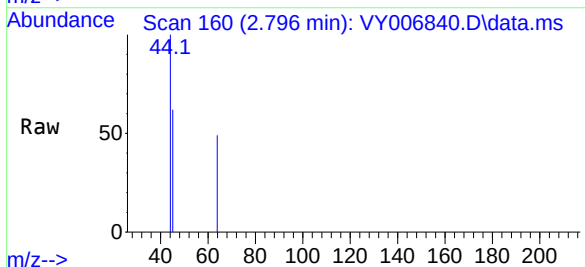
Instrument :  
MSVOA\_Y  
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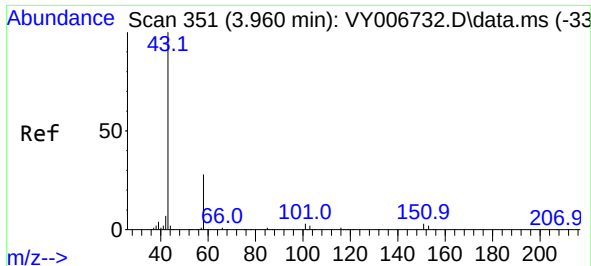
Tgt Ion:168 Resp: 2656  
Ion Ratio Lower Upper  
168 100  
99 56.5 44.8 67.2



#6  
Chloroethane  
Concen: 4.070 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. -0.006 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

Tgt Ion: 64 Resp: 97  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.8 35.6#

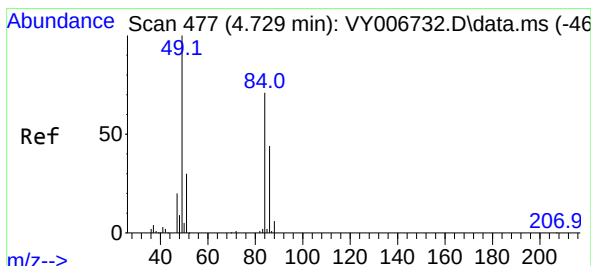
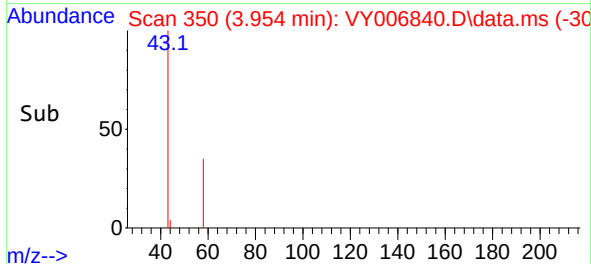
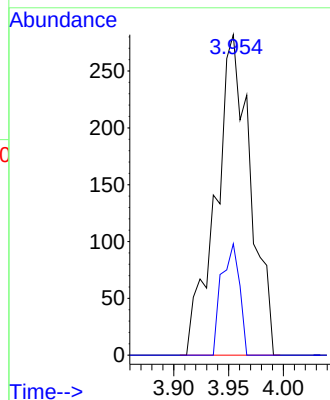
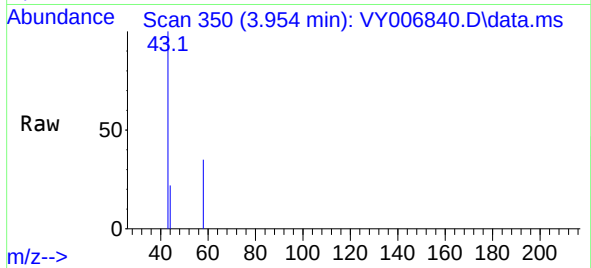




#16  
Acetone  
Concen: 58.527 ug/l  
RT: 3.954 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

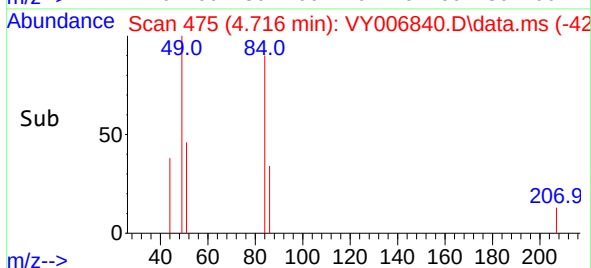
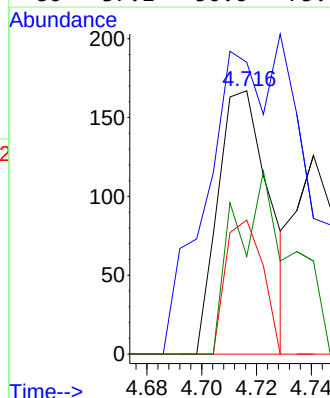
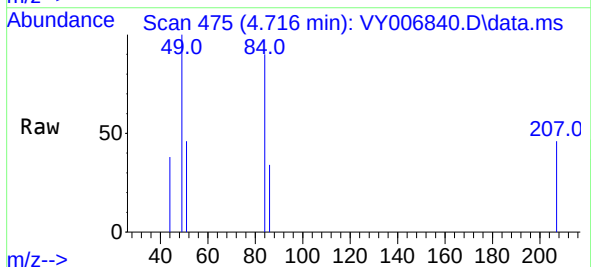
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP3

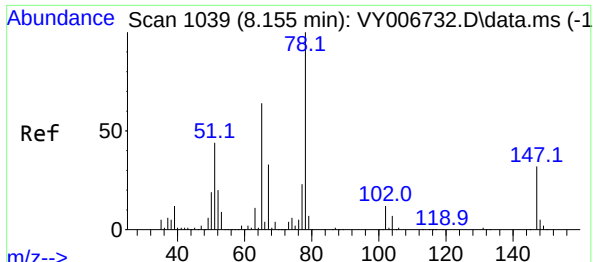
Tgt Ion: 43 Resp: 619  
Ion Ratio Lower Upper  
43 100  
58 34.8 22.9 34.3#



#20  
Methylene Chloride  
Concen: 3.737 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. -0.013 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

Tgt Ion: 84 Resp: 218  
Ion Ratio Lower Upper  
84 100  
49 70.7 107.8 161.8#  
51 50.9 32.8 49.2#  
86 37.1 50.6 75.8#





#33

1,2-Dichloroethane-d4

Concen: 76.817 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY006840.D

Acq: 19 Nov 2021 19:28

Instrument :

MSVOA\_Y

ClientSampleId :

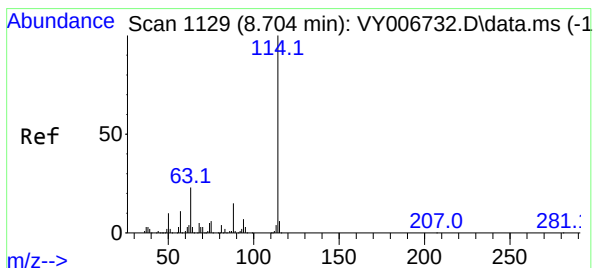
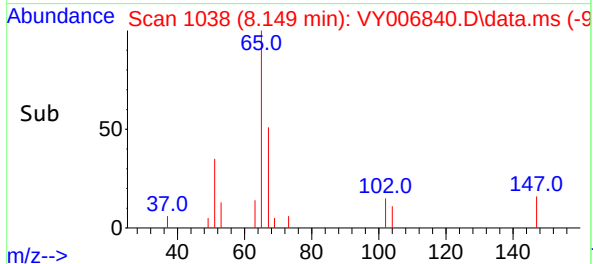
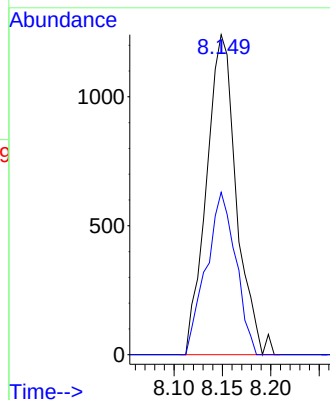
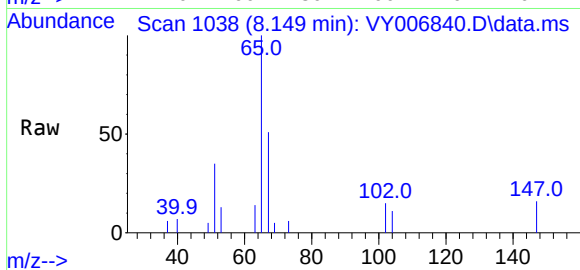
TP3

Tgt Ion: 65 Resp: 2674

Ion Ratio Lower Upper

65 100

67 50.0 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006840.D

Acq: 19 Nov 2021 19:28

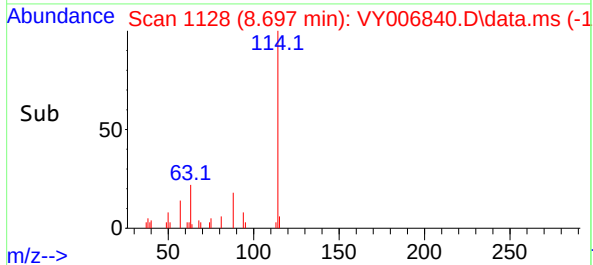
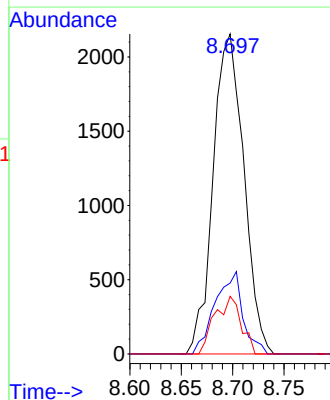
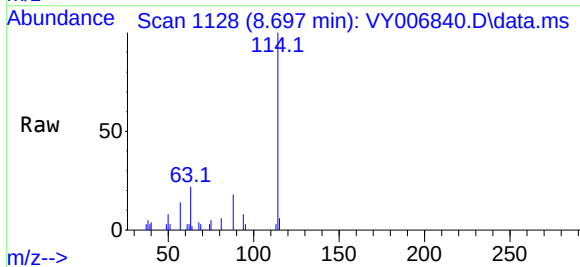
Tgt Ion: 114 Resp: 4474

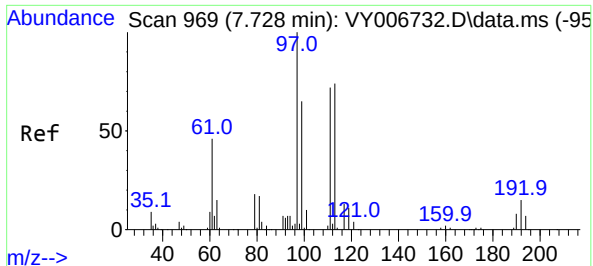
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

88 18.0 0.0 30.6

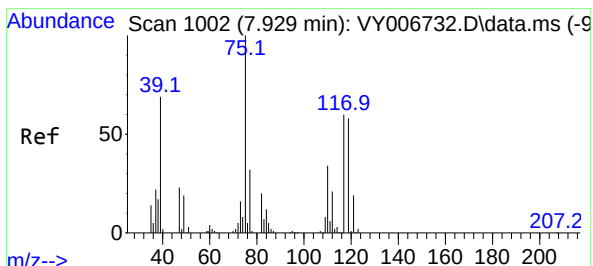
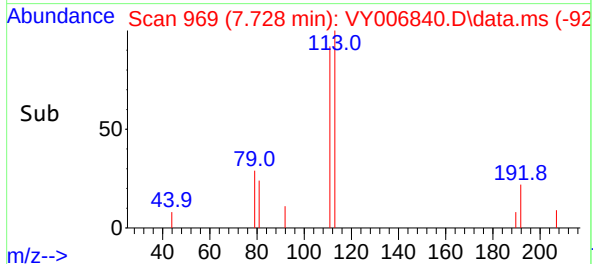
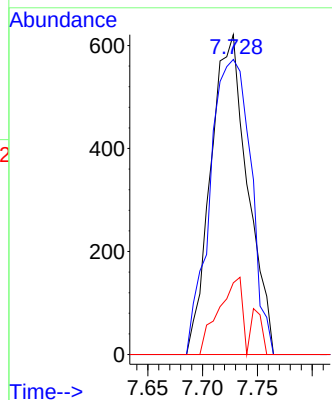
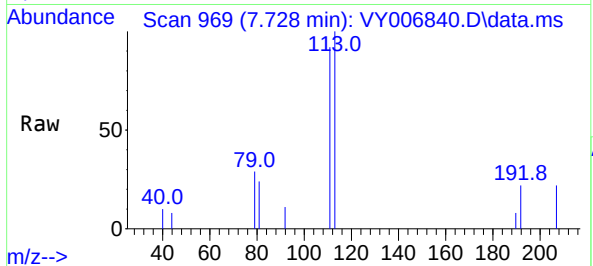




#35  
Dibromofluoromethane  
Concen: 52.836 ug/l  
RT: 7.728 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

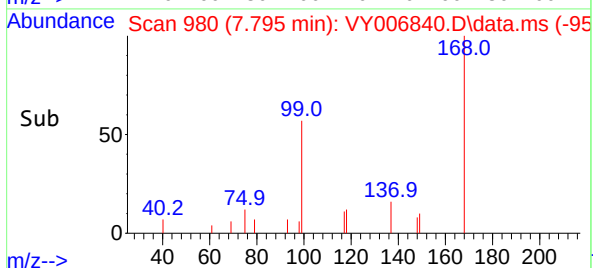
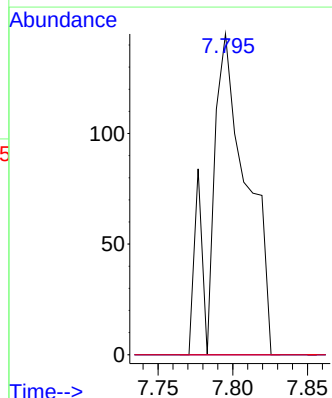
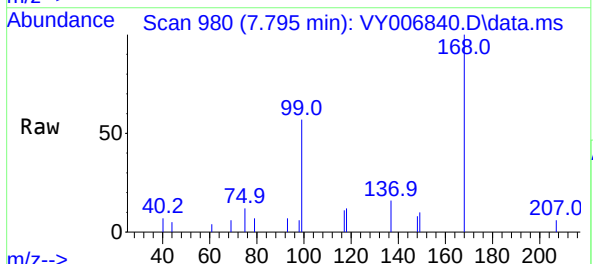
Instrument :  
MSVOA\_Y  
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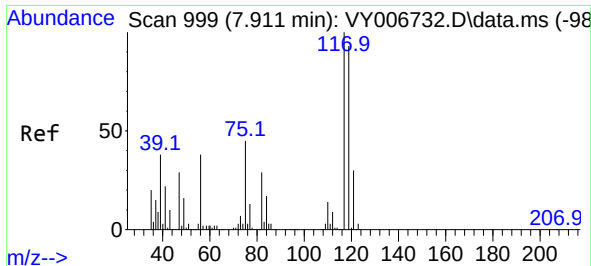
Tgt Ion:113 Resp: 1452  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.3 123.5  
192 19.6 17.4 26.2



#36  
1,1-Dichloropropene  
Concen: 4.997 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.134 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

Tgt Ion: 75 Resp: 243  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.1 51.3#  
77 0.0 24.9 37.3#

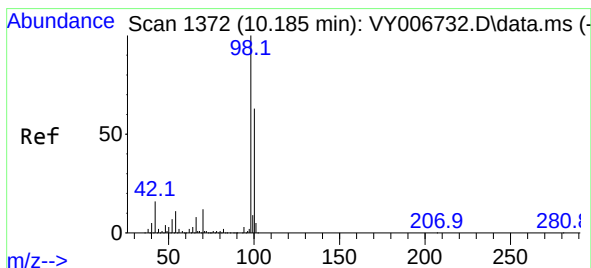
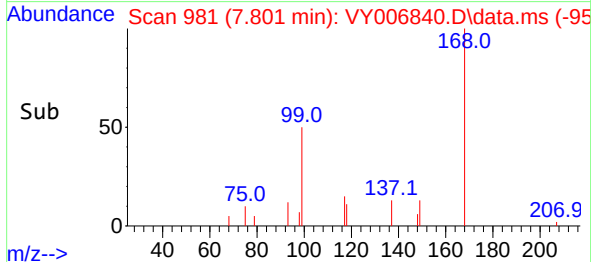
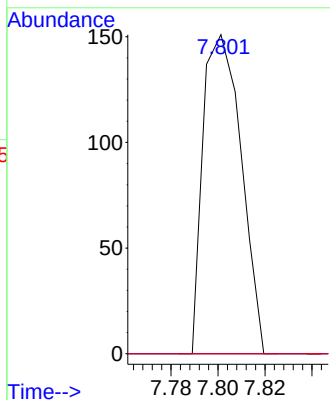
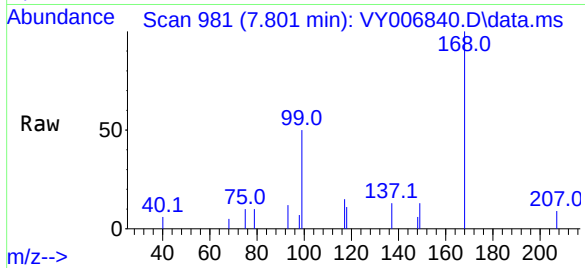




#38  
Carbon Tetrachloride  
Concen: 3.418 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

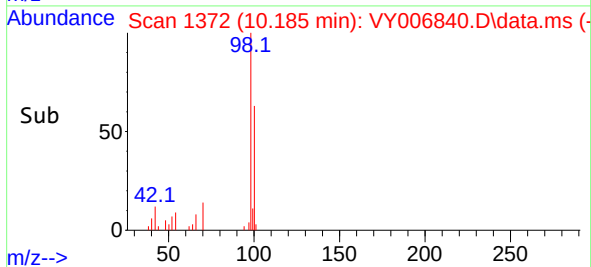
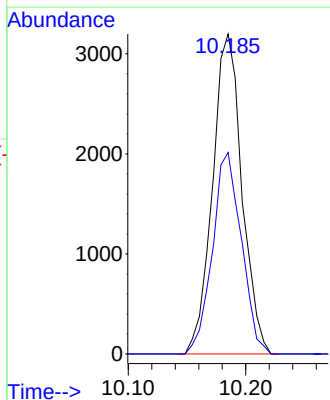
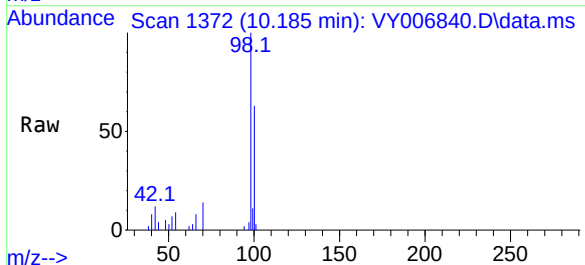
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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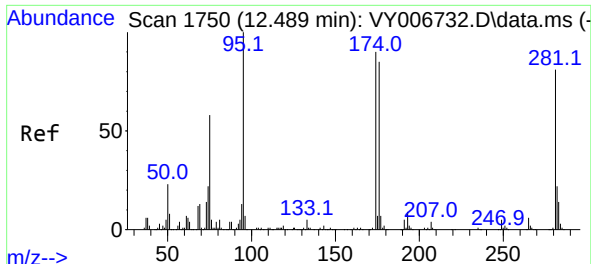
Tgt Ion:117 Resp: 170  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.6 115.0#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 48.830 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

Tgt Ion: 98 Resp: 5553  
Ion Ratio Lower Upper  
98 100  
100 61.9 50.9 76.3

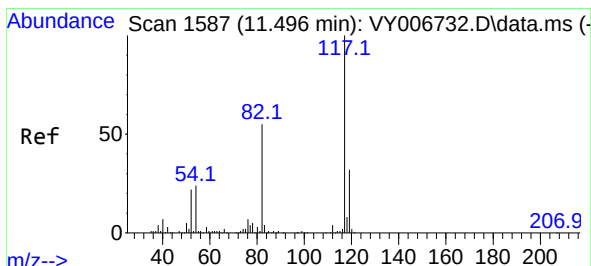
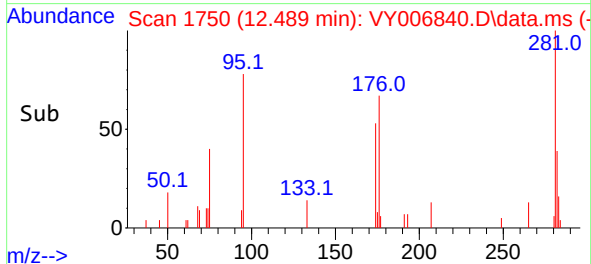
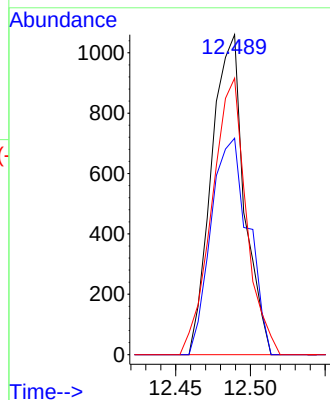
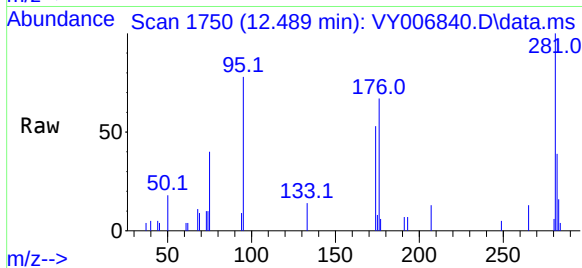




#62  
4-Bromofluorobenzene  
Concen: 42.100 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

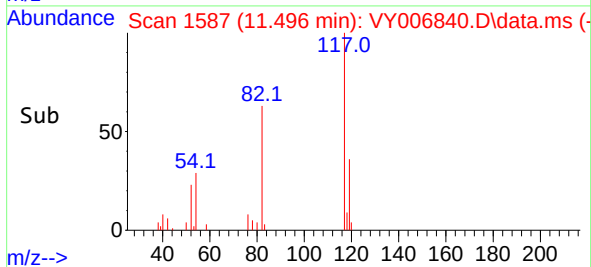
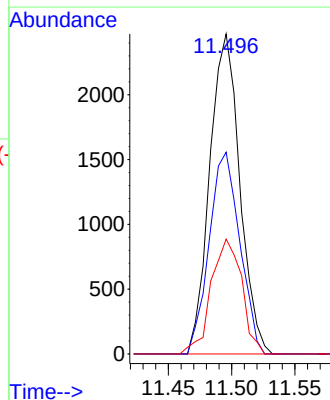
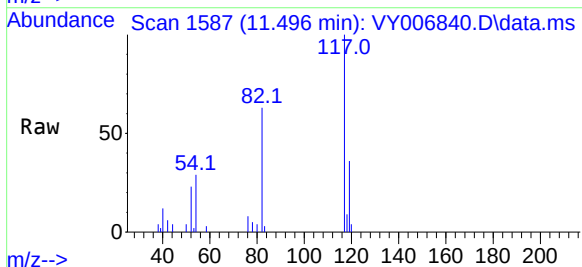
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP3

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 1614  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 77.1  | 0.0   | 177.0 |
| 176      | 90.5  | 0.0   | 169.4 |

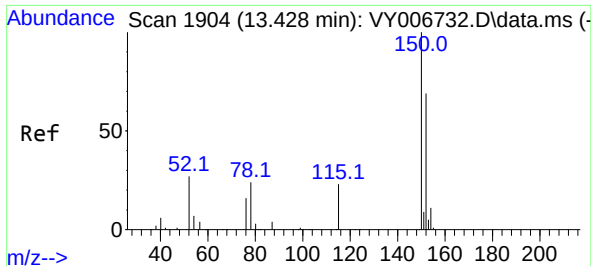


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 4078  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 63.1  | 45.7  | 68.5  |
| 119      | 35.9  | 25.5  | 38.3  |



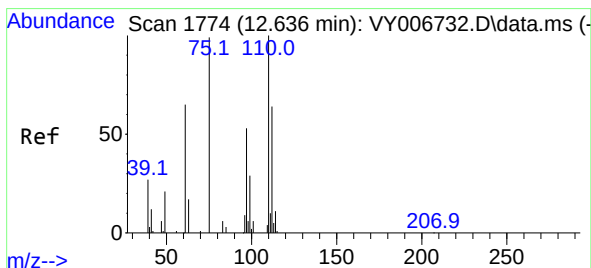
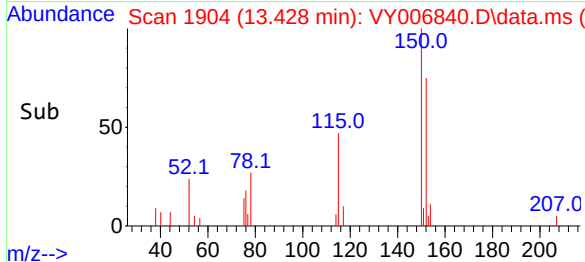
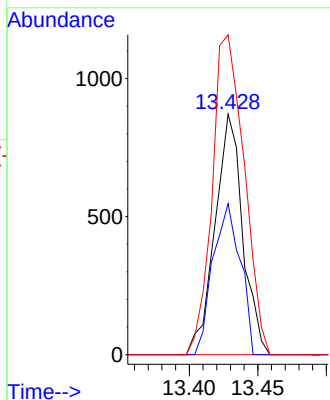
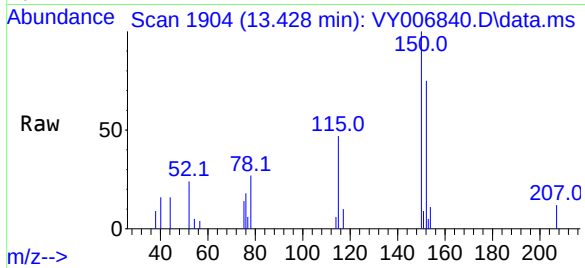




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

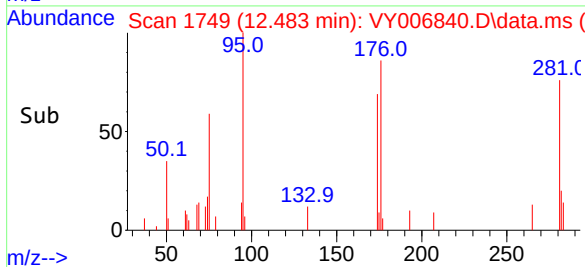
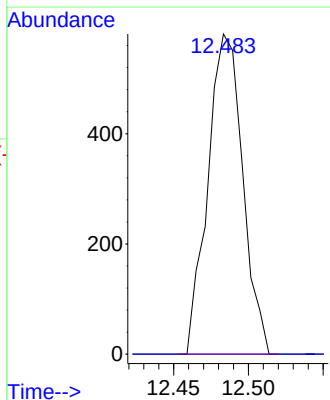
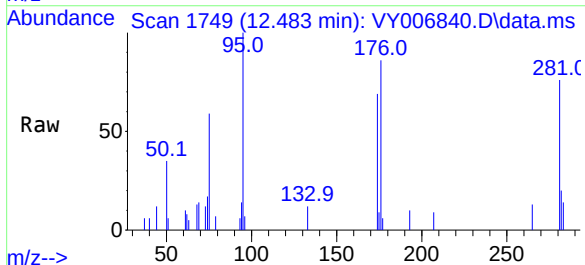
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP3

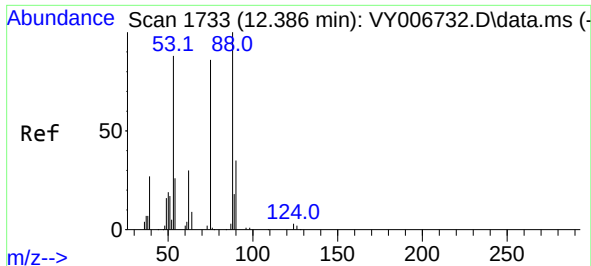
Tgt Ion:152 Resp: 1228  
Ion Ratio Lower Upper  
152 100  
115 61.7 28.5 85.5  
150 153.1 0.0 348.2



#76  
1,2,3-Trichloropropane  
Concen: 70.556 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

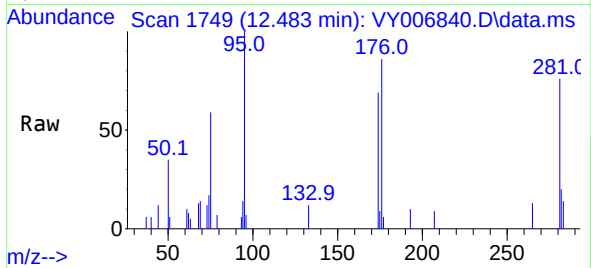
Tgt Ion: 75 Resp: 942  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#81  
trans-1,4-Dichloro-2-butene  
Concen: 139.805 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY006840.D  
Acq: 19 Nov 2021 19:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP3



Tgt Ion: 75 Resp: 942  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.8 128.6#  
89 0.0 39.3 58.9#

