

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
 Data File : VY007521.D  
 Acq On : 17 Feb 2022 14:40  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Feb 18 07:39:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 15 09:34:50 2022  
 Response via : Initial Calibration

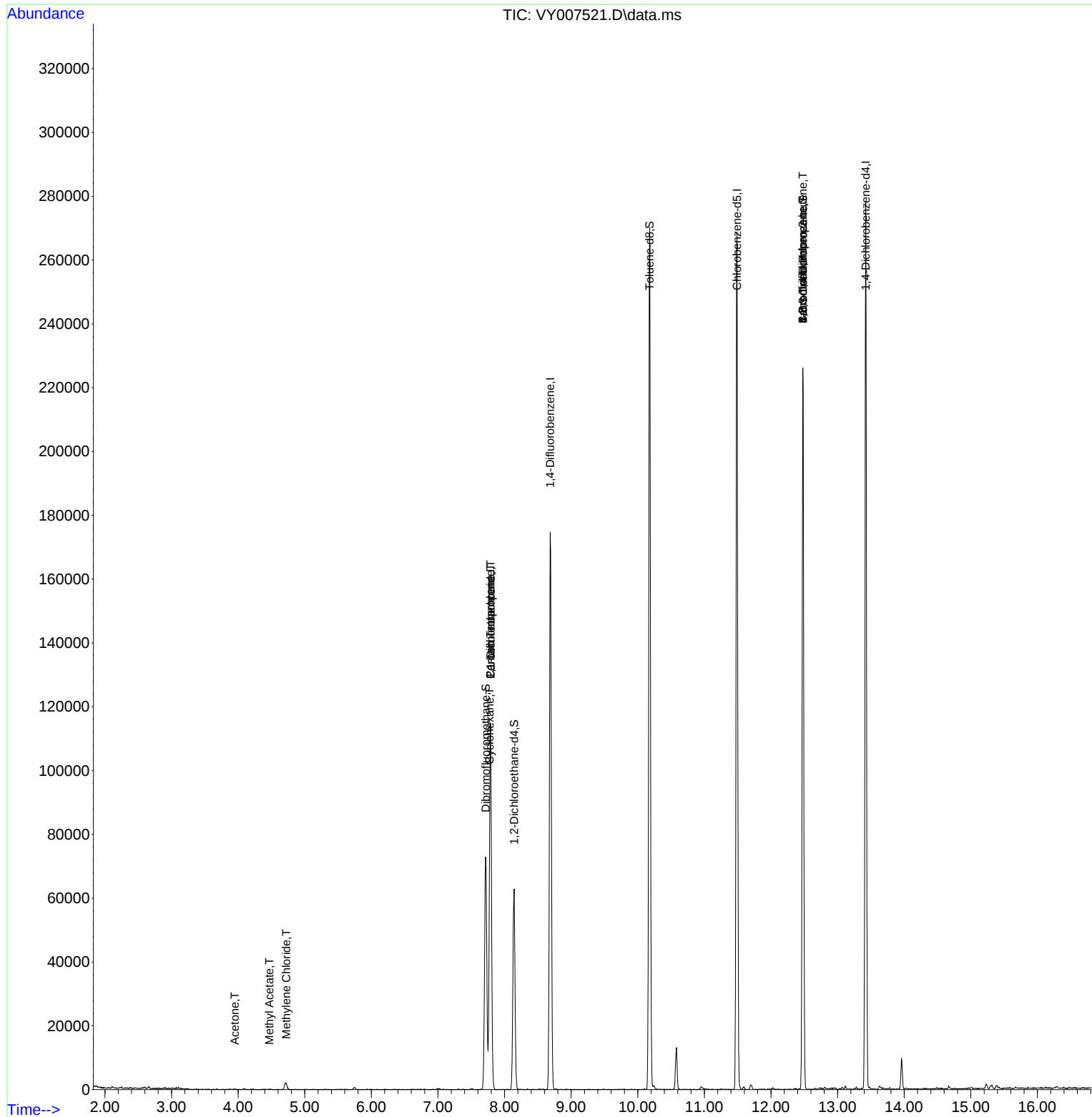
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 87316    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 154556   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 152231   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 69618    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 49842    | 51.702    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 103.400% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 50922    | 52.245    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 104.500% |          |
| 50) Toluene-d8                | 10.179 | 98    | 184573   | 49.859    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 99.720%  |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 67151    | 53.497    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 107.000% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.107  | 50    | 397      | Below Cal | #          | 64       |
| 5) Bromomethane               | 2.662  | 94    | 246      | Below Cal |            | 93       |
| 16) Acetone                   | 3.948  | 43    | 288      | 1.126     | ug/l #     | 47       |
| 18) Methyl Acetate            | 4.467  | 43    | 166      | 1.643     | ug/l #     | 56       |
| 20) Methylene Chloride        | 4.723  | 84    | 1670     | 1.593     | ug/l       | 92       |
| 31) Cyclohexane               | 7.777  | 56    | 1955     | 1.147     | ug/l #     | 38       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 6428     | 4.071     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 9089     | 5.065     | ug/l #     | 15       |
| 71) Bromoform                 | 12.477 | 173   | 782      | 1.127     | ug/l #     | 28       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 37046    | 46.054    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 37046    | 95.721    | ug/l #     | 7        |
| -----                         |        |       |          |           |            |          |

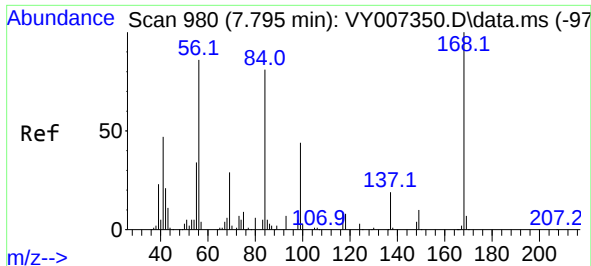
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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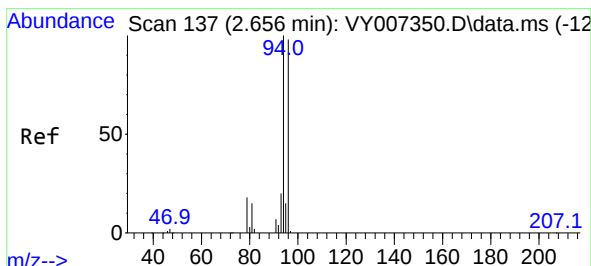
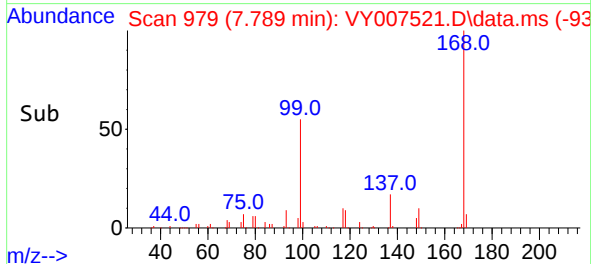
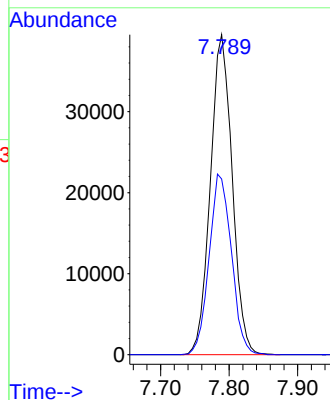
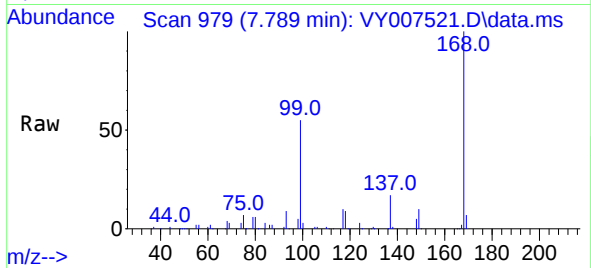




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

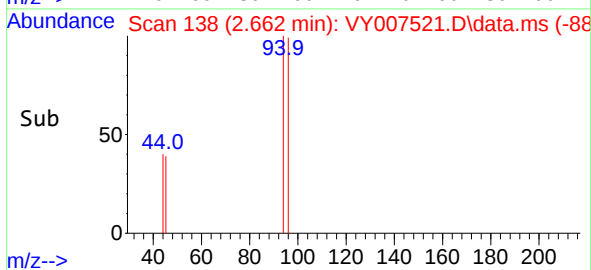
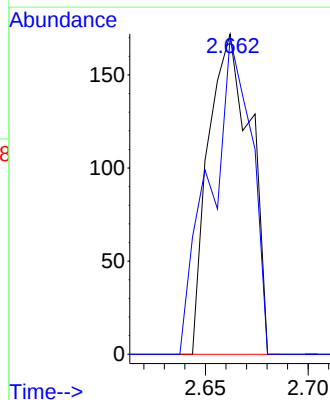
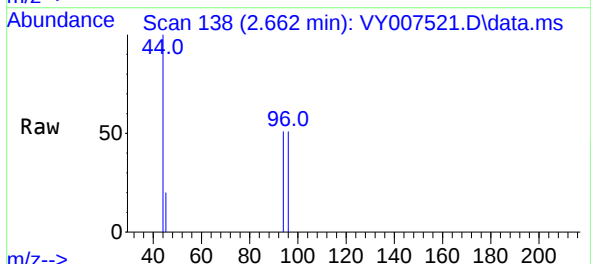
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

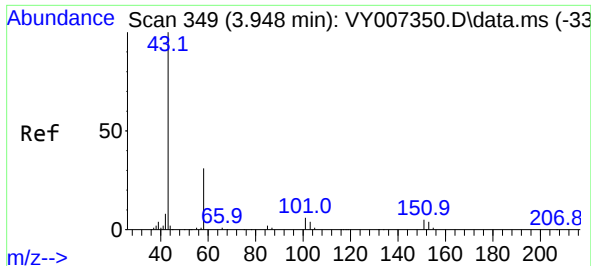
Tgt Ion:168 Resp: 87316  
Ion Ratio Lower Upper  
168 100  
99 54.9 46.9 70.3



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 138  
Delta R.T. 0.006 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Tgt Ion: 94 Resp: 246  
Ion Ratio Lower Upper  
94 100  
96 98.8 73.5 110.3

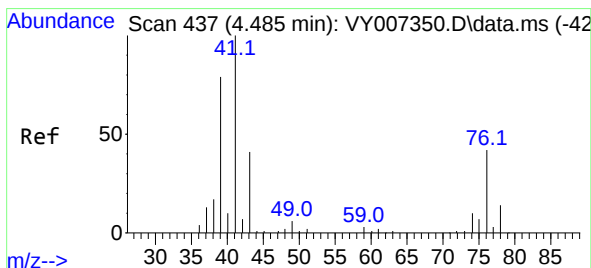
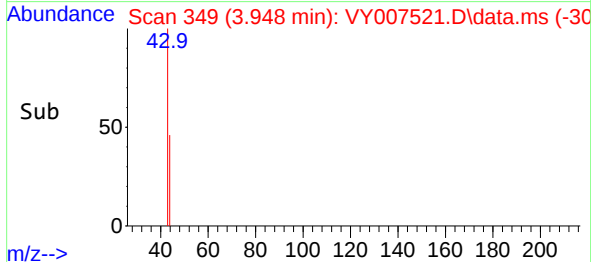
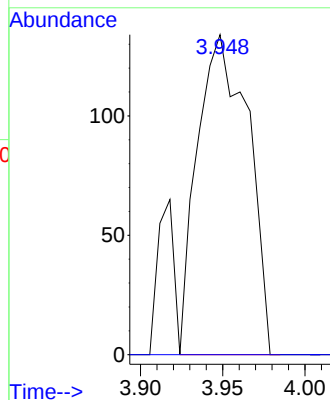
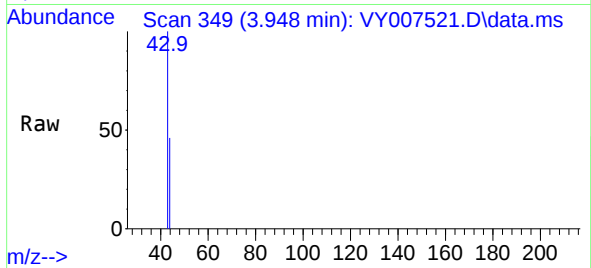




#16  
Acetone  
Concen: 1.126 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

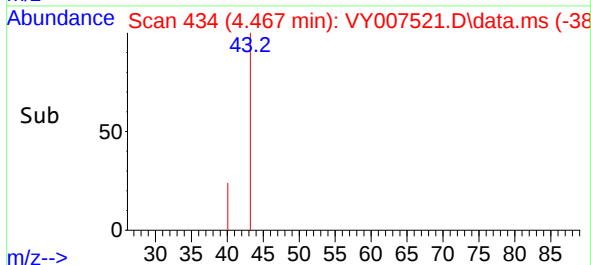
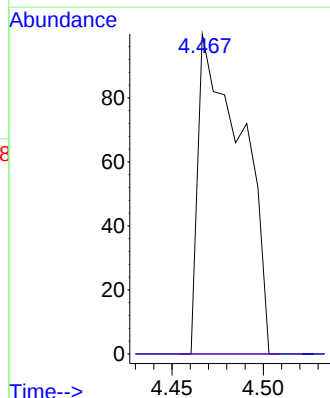
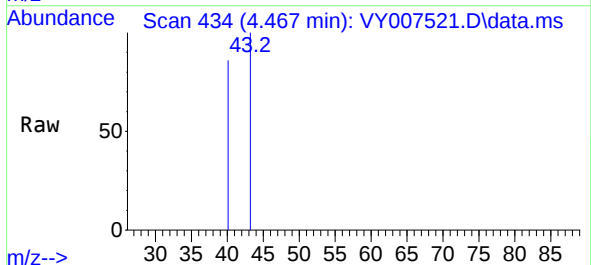
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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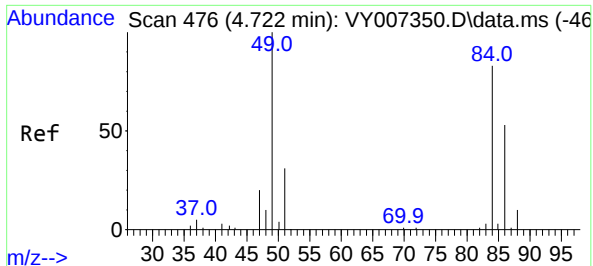
Tgt Ion: 43 Resp: 288  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#



#18  
Methyl Acetate  
Concen: 1.643 ug/l  
RT: 4.467 min Scan# 434  
Delta R.T. -0.018 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Tgt Ion: 43 Resp: 166  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



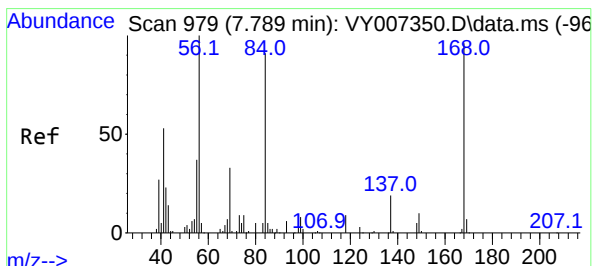
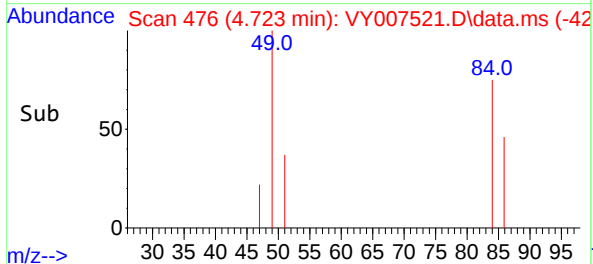
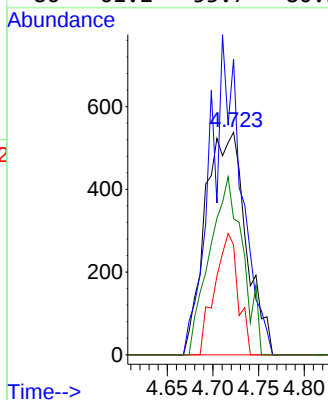
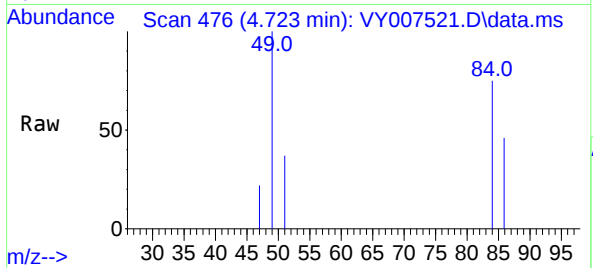


#20  
Methylene Chloride  
Concen: 1.593 ug/l  
RT: 4.723 min Scan# 41  
Delta R.T. 0.001 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion: 84 Resp: 1670

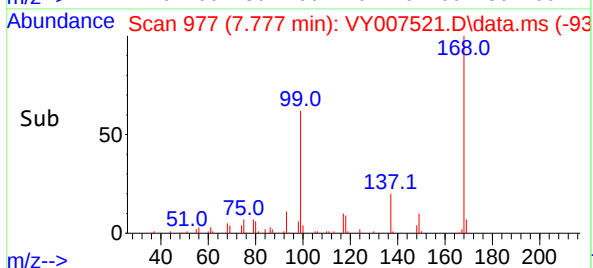
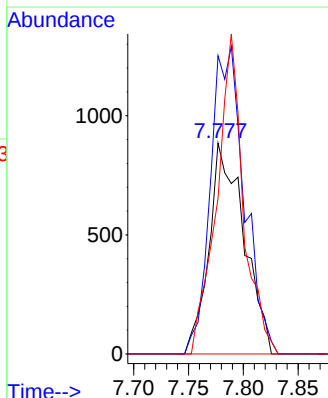
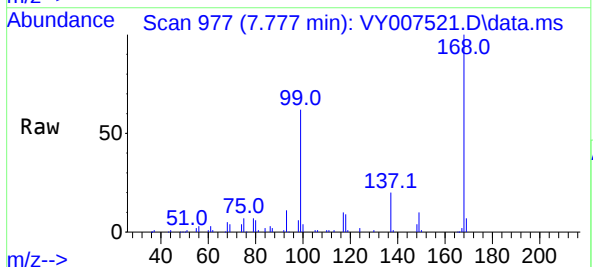
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 132.9 | 114.4 | 171.6 |
| 51  | 49.4  | 35.3  | 52.9  |
| 86  | 61.2  | 53.7  | 80.5  |

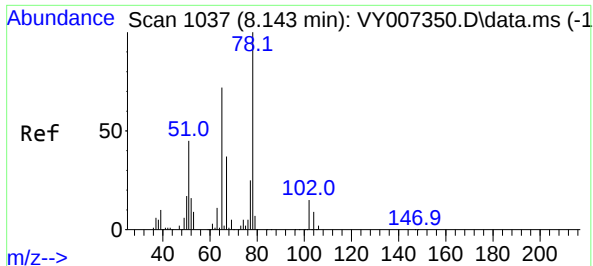


#31  
Cyclohexane  
Concen: 1.147 ug/l  
RT: 7.777 min Scan# 977  
Delta R.T. -0.012 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Tgt Ion: 56 Resp: 1955

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 141.5 | 26.7  | 40.1# |
| 84  | 73.8  | 67.2  | 100.8 |





#33

1,2-Dichloroethane-d4

Concen: 51.702 ug/l

RT: 8.143 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY007521.D

Acq: 17 Feb 2022 14:40

Instrument :

MSVOA\_Y

ClientSampleId :

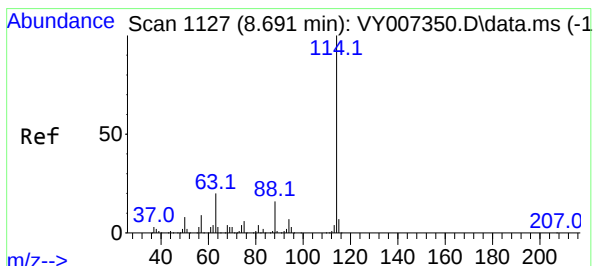
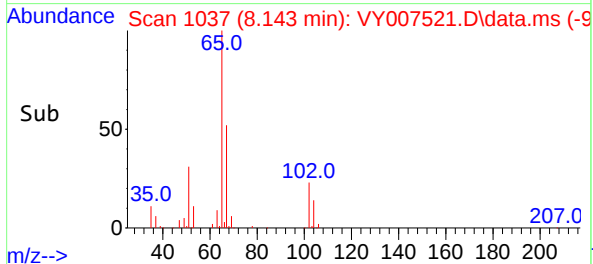
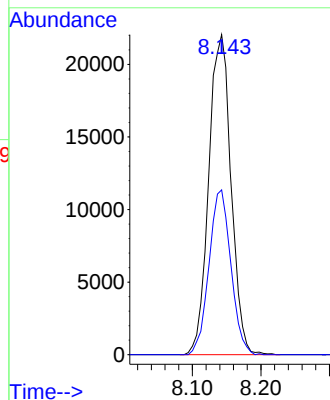
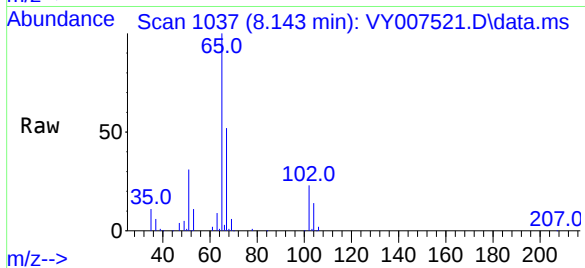
VIBLK

Tgt Ion: 65 Resp: 49842

Ion Ratio Lower Upper

65 100

67 50.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY007521.D

Acq: 17 Feb 2022 14:40

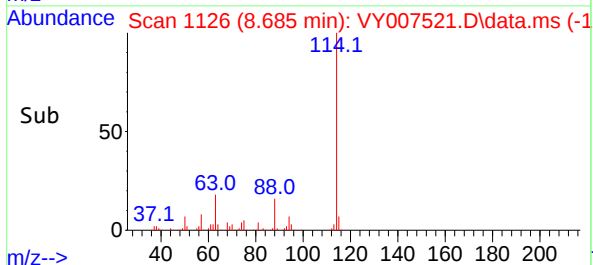
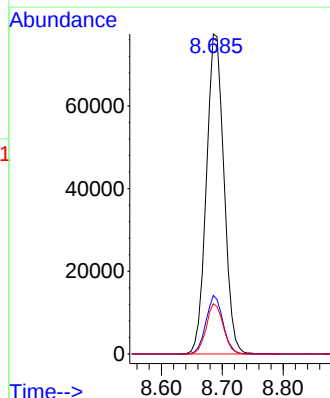
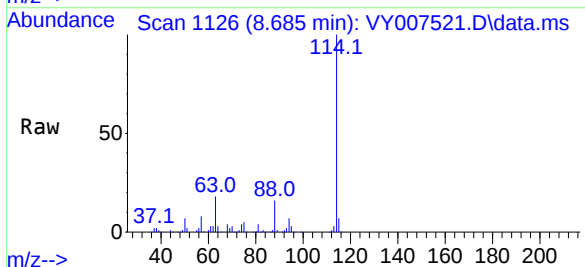
Tgt Ion: 114 Resp: 154556

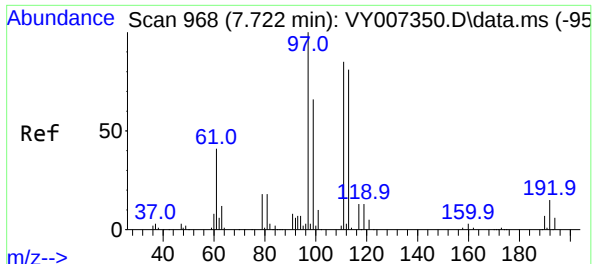
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 15.7 0.0 31.8

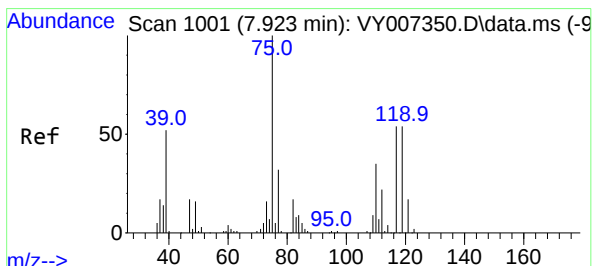
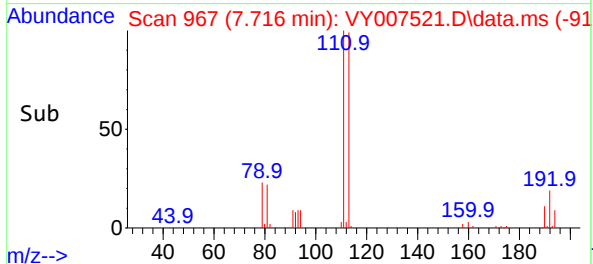
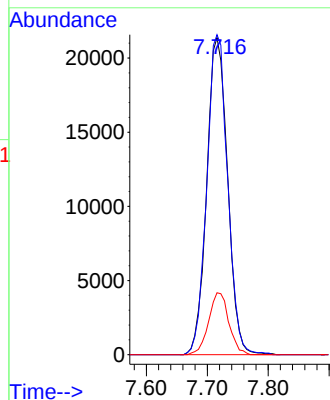
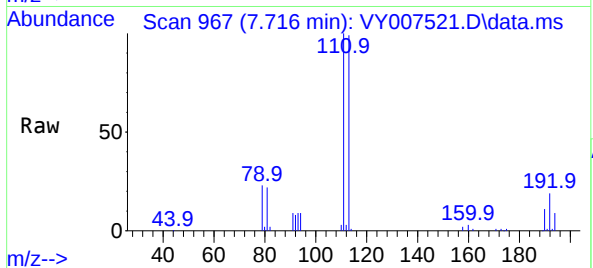




#35  
Dibromofluoromethane  
Concen: 52.245 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

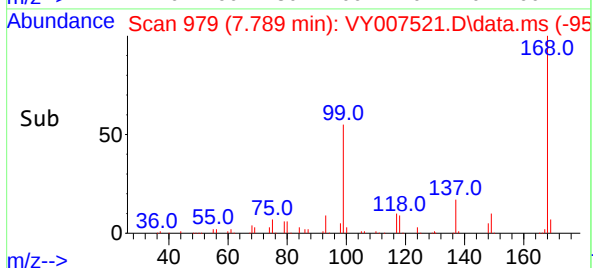
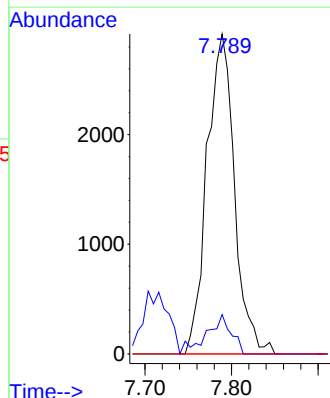
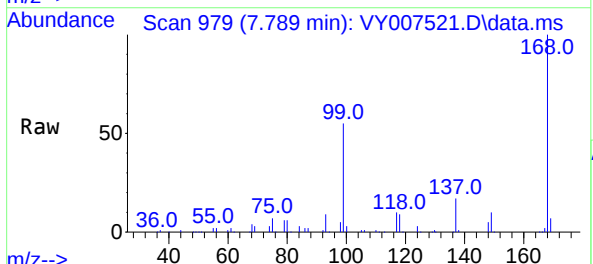
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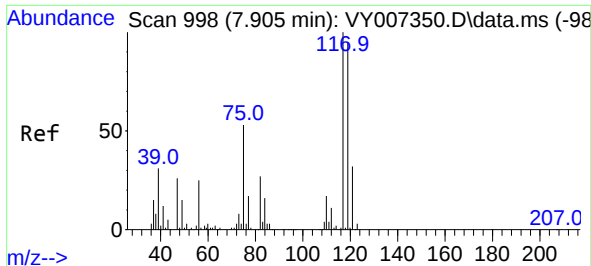
Tgt Ion:113 Resp: 50922  
Ion Ratio Lower Upper  
113 100  
111 100.5 82.6 124.0  
192 18.9 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.071 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Tgt Ion: 75 Resp: 6428  
Ion Ratio Lower Upper  
75 100  
110 9.9 17.1 51.2#  
77 0.0 24.4 36.6#

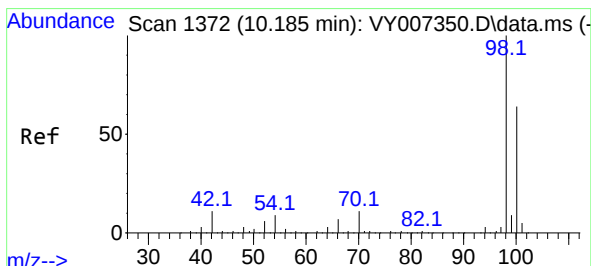
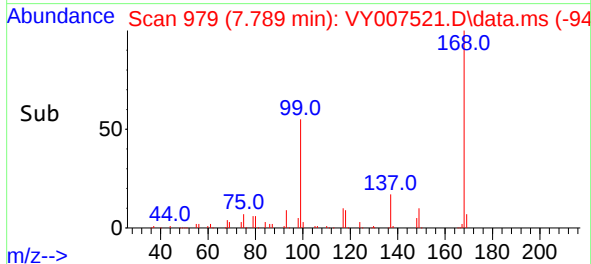
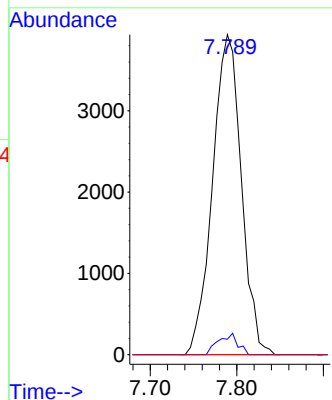
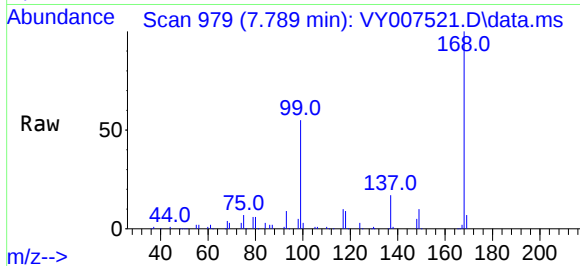




#38  
Carbon Tetrachloride  
Concen: 5.065 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

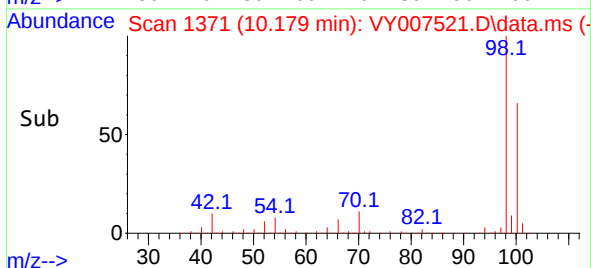
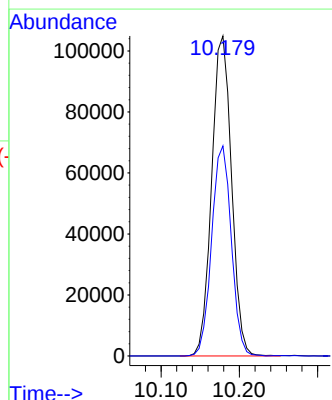
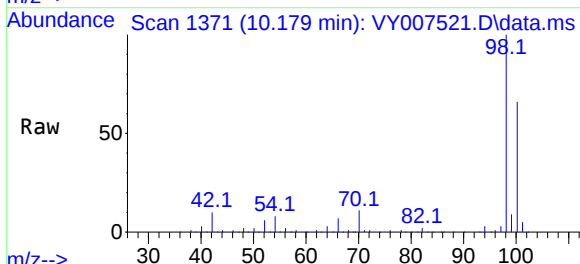
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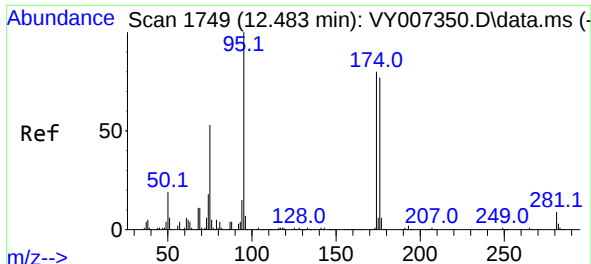
Tgt Ion:117 Resp: 9089  
Ion Ratio Lower Upper  
117 100  
119 4.9 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.859 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Tgt Ion: 98 Resp: 184573  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.2 75.2

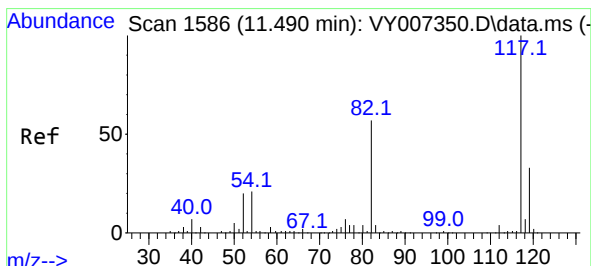
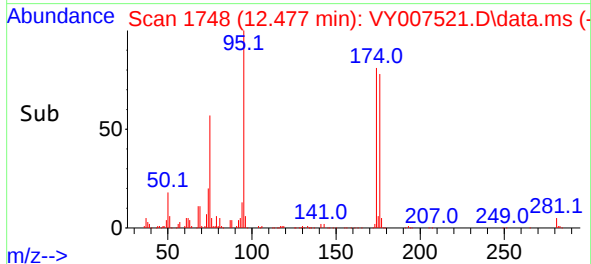
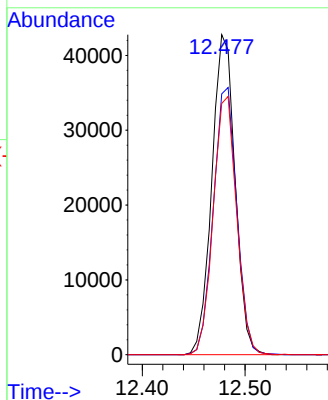
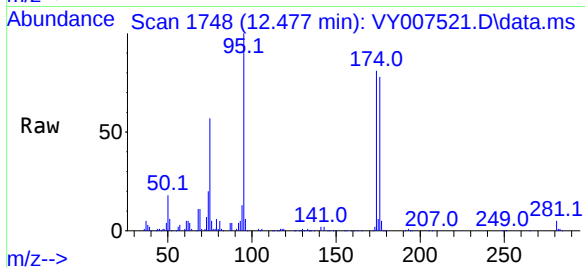




#62  
4-Bromofluorobenzene  
Concen: 53.497 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

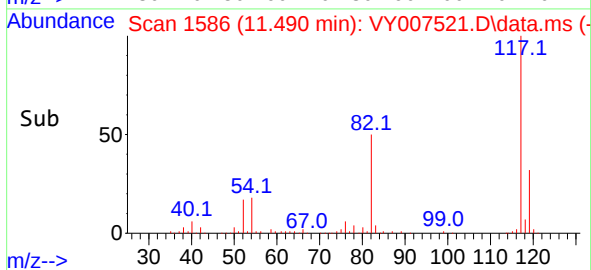
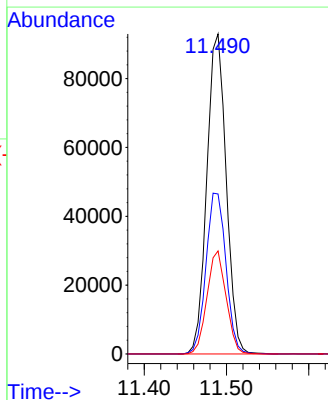
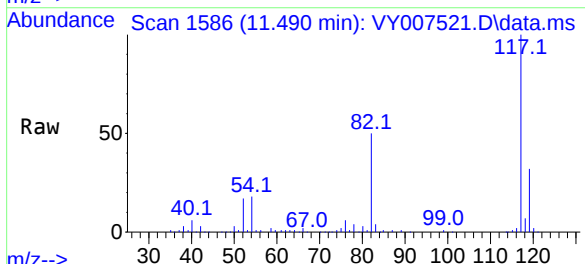
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

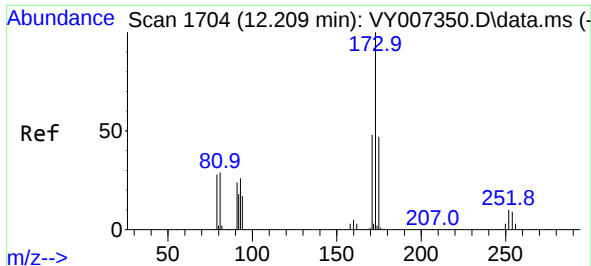
Tgt Ion: 95 Resp: 67151  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 177.0  
176 81.2 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Tgt Ion: 117 Resp: 152231  
Ion Ratio Lower Upper  
117 100  
82 50.0 43.0 64.4  
119 32.2 25.4 38.0

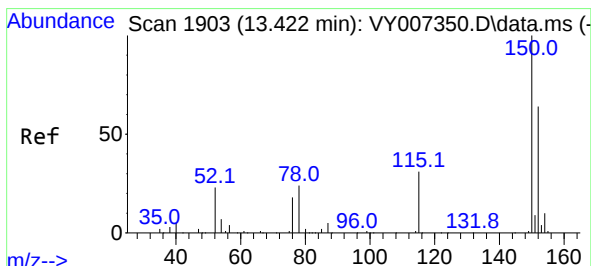
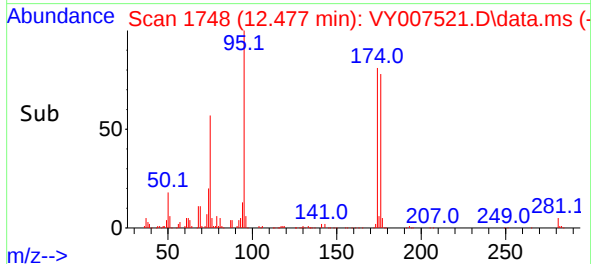
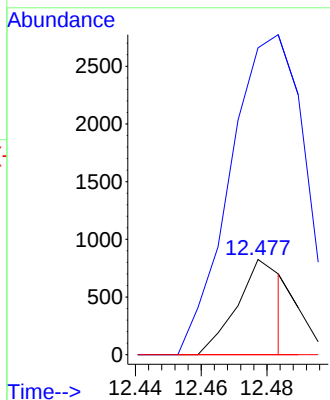
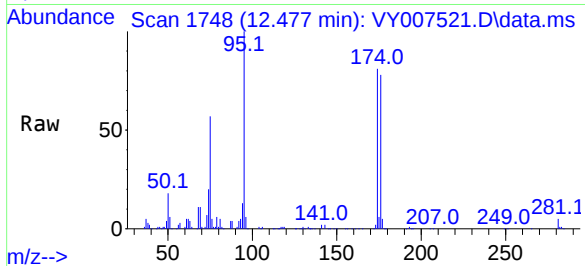




#71  
Bromoform  
Concen: 1.127 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.268 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

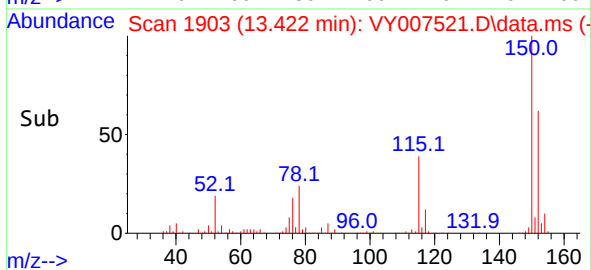
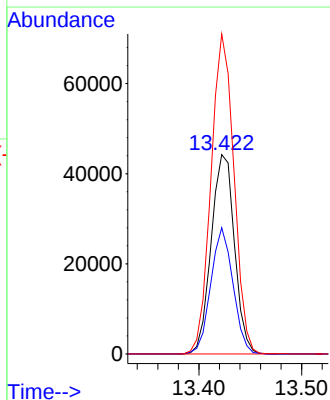
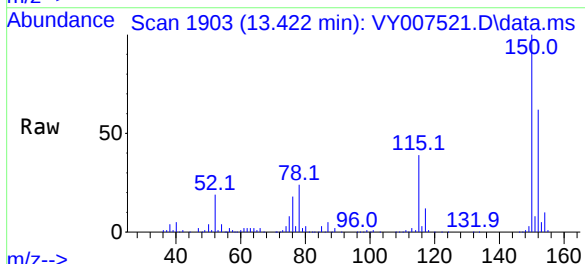
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

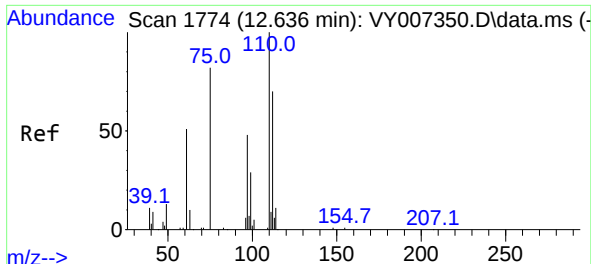
Tgt Ion:173 Resp: 782  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.6 74.0#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Tgt Ion:152 Resp: 69618  
Ion Ratio Lower Upper  
152 100  
115 60.4 28.2 84.7  
150 158.0 0.0 347.6

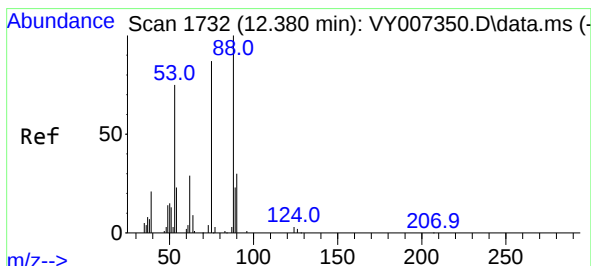
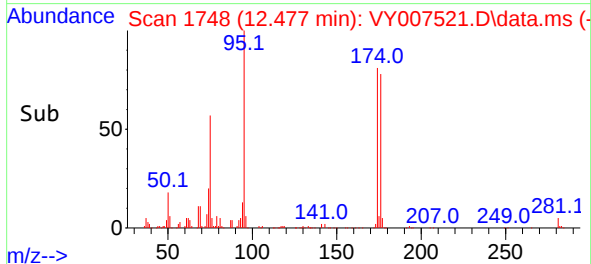
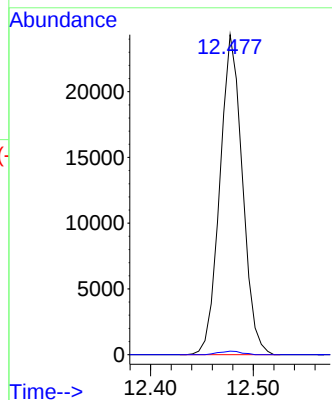
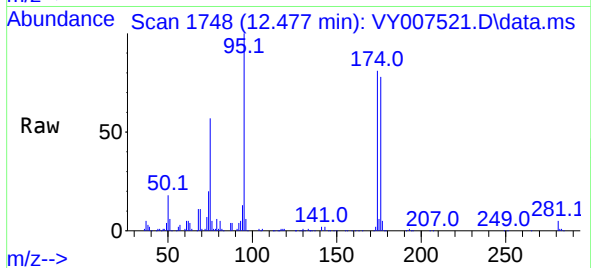




#76  
1,2,3-Trichloropropane  
Concen: 46.054 ug/l  
RT: 12.477 min Scan# 1774  
Delta R.T. -0.159 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion: 75 Resp: 37046  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 95.721 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.097 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Tgt Ion: 75 Resp: 37046  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.2 37.0 55.4#

