

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022422\  
 Data File : VY007624.D  
 Acq On : 24 Feb 2022 17:50  
 Operator : SY/MD  
 Sample : N1584-04  
 Misc : 5.94g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 D11-12.5

Quant Time: Feb 25 05:43:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022322S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 24 07:13:58 2022  
 Response via : Initial Calibration

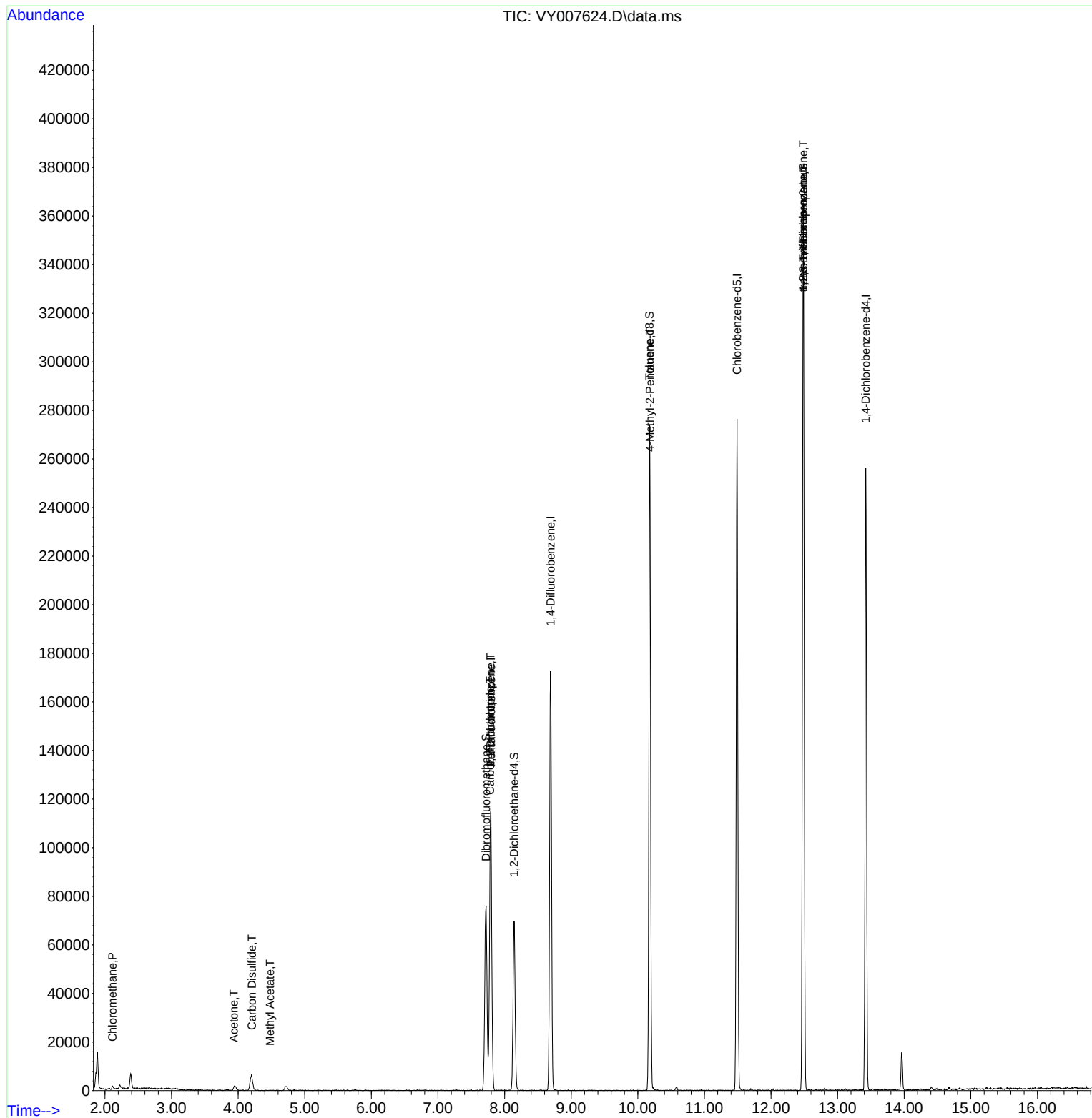
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795     | 168   | 90851    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 155183   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 151286   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 64695    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65    | 52755    | 52.198    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 104.400% |          |
| 35) Dibromofluoromethane      | 7.722     | 113   | 50425    | 51.497    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 103.000% |          |
| 50) Toluene-d8                | 10.179    | 98    | 180669   | 49.880    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 99.760%  |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 63613    | 51.378    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 102.760% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.113     | 50    | 786      | 1.451     | ug/l #     | 74       |
| 5) Bromomethane               | 2.668     | 94    | 221      | Below Cal | #          | 48       |
| 16) Acetone                   | 3.936     | 43    | 3119     | 13.551    | ug/l       | 97       |
| 17) Carbon Disulfide          | 4.204     | 76    | 13208    | 5.179     | ug/l       | 99       |
| 18) Methyl Acetate            | 4.479     | 43    | 131      | 1.500     | ug/l #     | 56       |
| 20) Methylene Chloride        | 4.704     | 84    | 693      | Below Cal | #          | 53       |
| 31) Cyclohexane               | 7.783     | 56    | 2019     | Below Cal | #          | 40       |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 6315     | 4.475     | ug/l #     | 55       |
| 38) Carbon Tetrachloride      | 7.783     | 117   | 9111     | 4.409     | ug/l #     | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.185    | 43    | 690      | 1.057     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 37907    | 58.585    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 37907    | 125.967   | ug/l #     | 8        |
| -----                         |           |       |          |           |            |          |

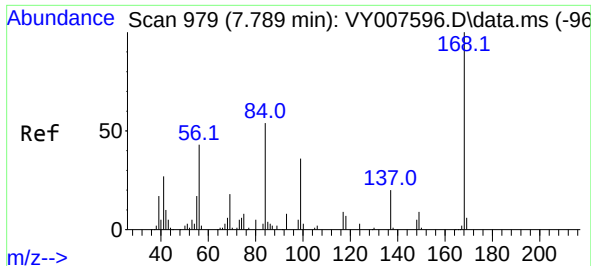
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022422\  
Data File : VY007624.D  
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Sample : N1584-04  
Misc : 5.94g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
D11-12.5

Quant Time: Feb 25 05:43:40 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022322S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 24 07:13:58 2022  
Response via : Initial Calibration

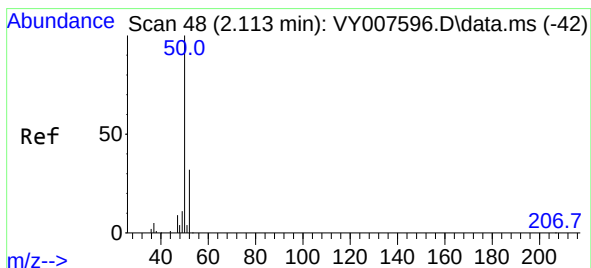
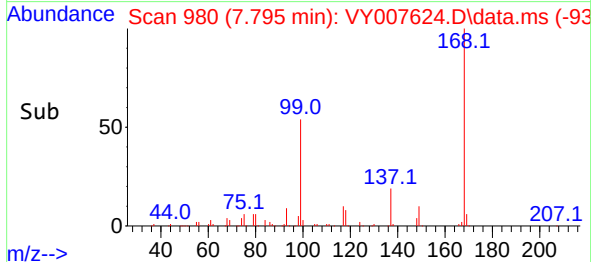
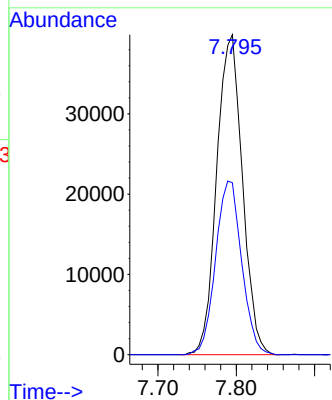
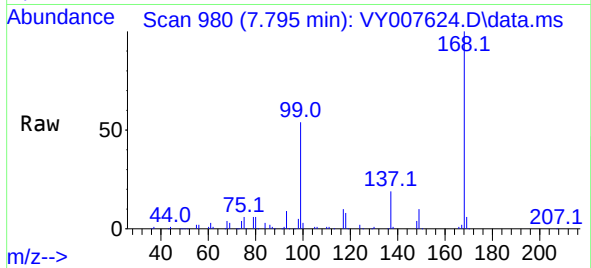




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

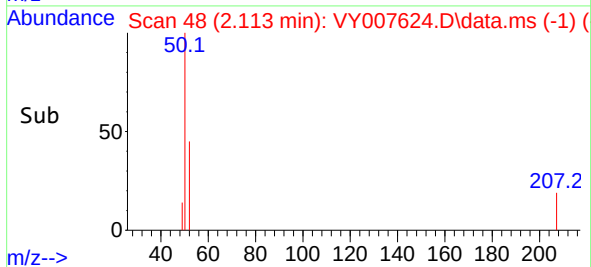
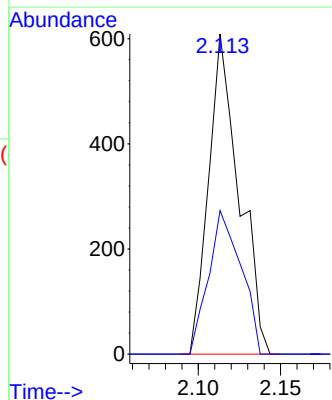
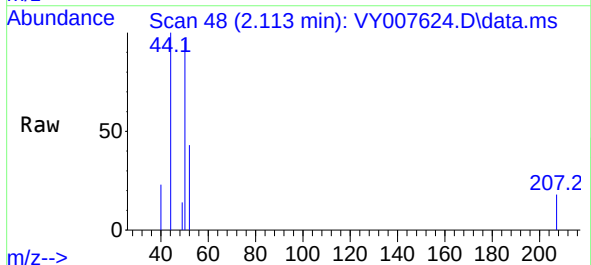
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D11-12.5

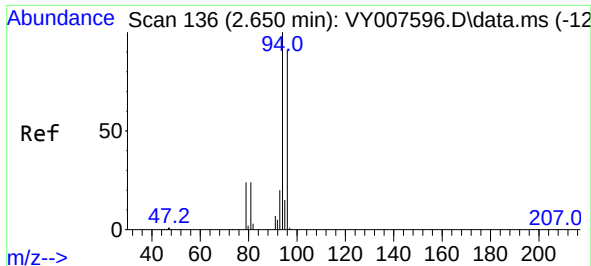
Tgt Ion:168 Resp: 90851  
Ion Ratio Lower Upper  
168 100  
99 53.7 46.9 70.3



#3  
Chloromethane  
Concen: 1.451 ug/l  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

Tgt Ion: 50 Resp: 786  
Ion Ratio Lower Upper  
50 100  
52 44.8 24.6 37.0#

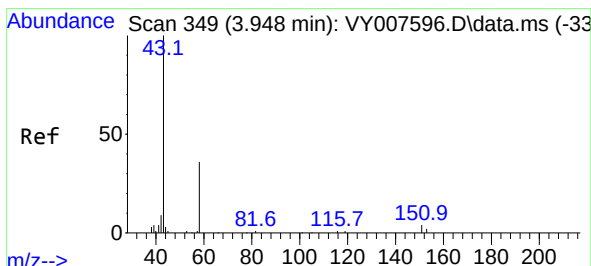
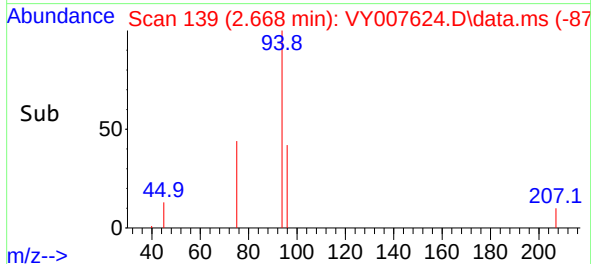
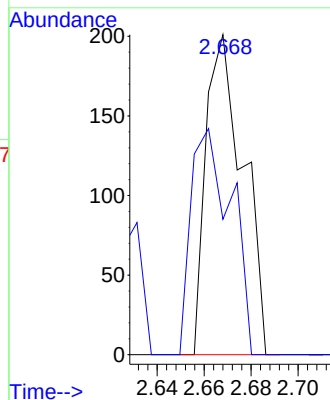
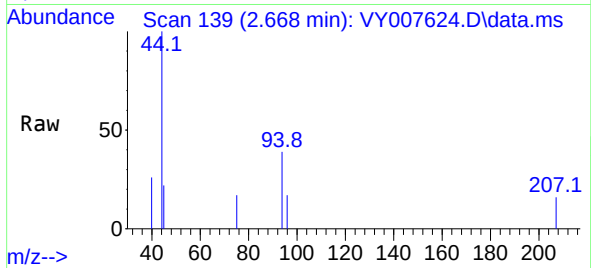




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.668 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

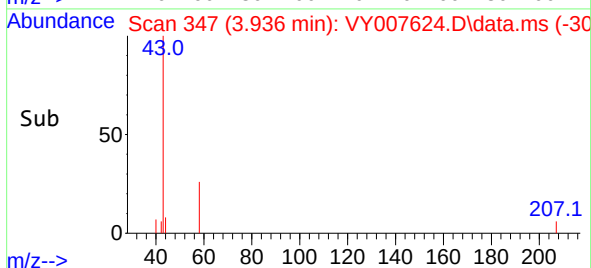
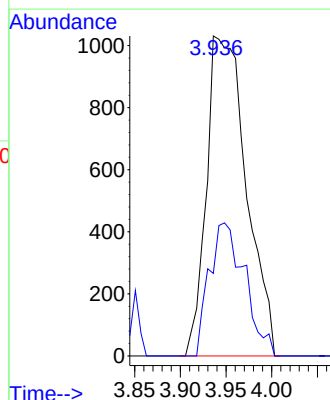
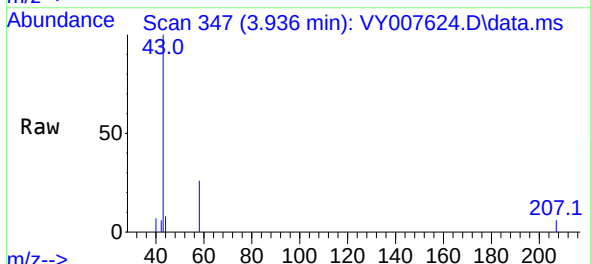
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D11-12.5

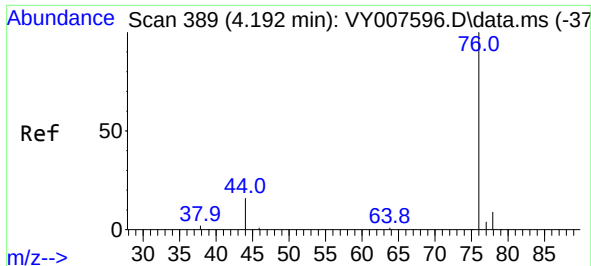
Tgt Ion: 94 Resp: 221  
Ion Ratio Lower Upper  
94 100  
96 42.3 73.5 110.3#



#16  
Acetone  
Concen: 13.551 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.012 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

Tgt Ion: 43 Resp: 3119  
Ion Ratio Lower Upper  
43 100  
58 25.8 22.0 33.0

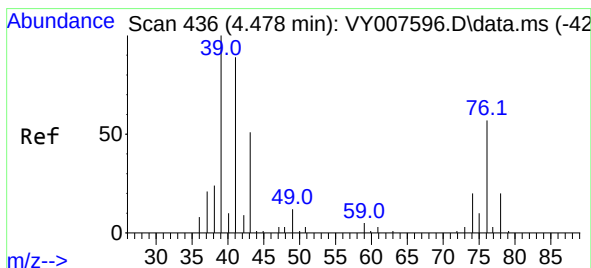
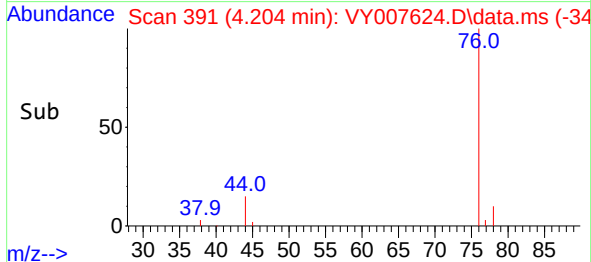
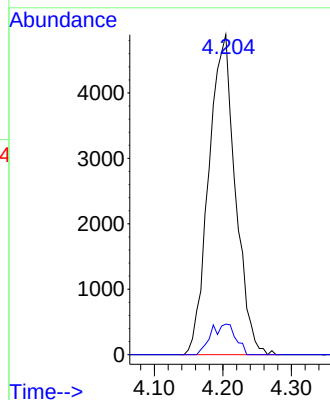
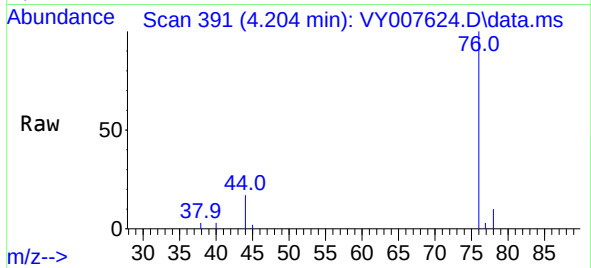




#17  
Carbon Disulfide  
Concen: 5.179 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

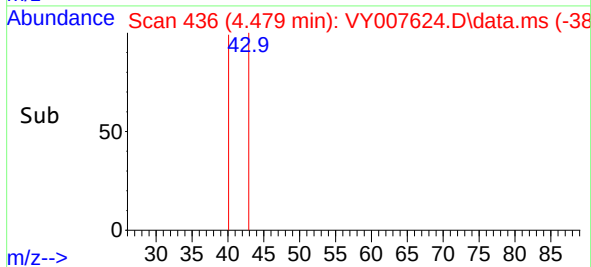
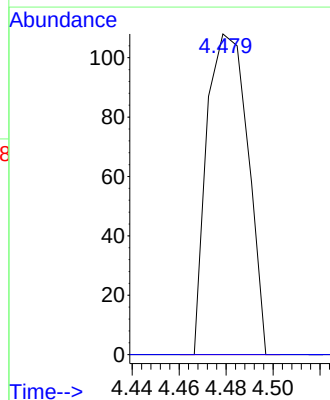
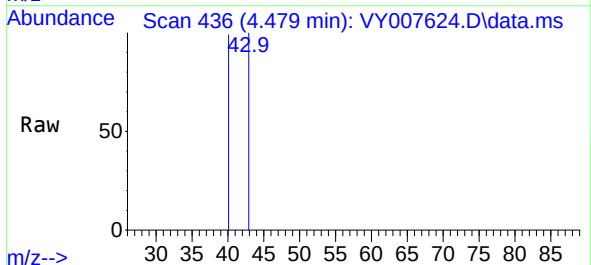
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D11-12.5

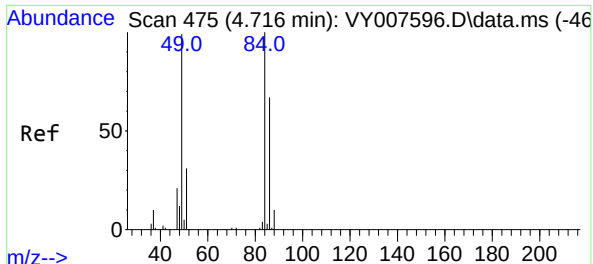
Tgt Ion: 76 Resp: 13208  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.4 11.0



#18  
Methyl Acetate  
Concen: 1.500 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.001 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

Tgt Ion: 43 Resp: 131  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



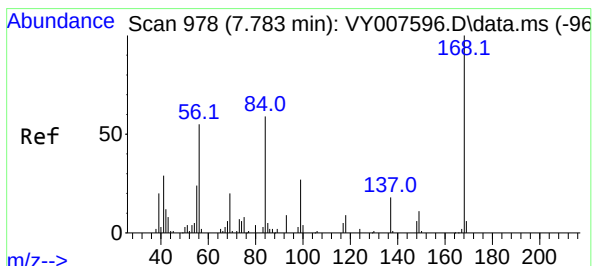
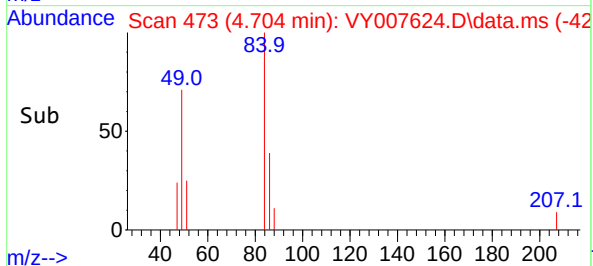
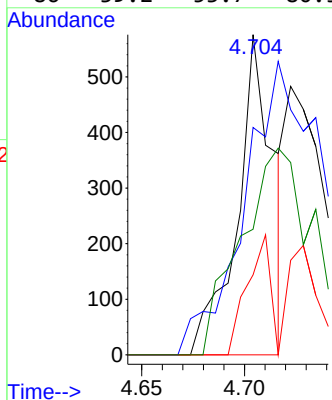
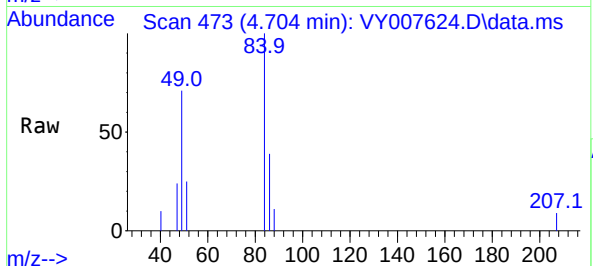


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.704 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
D11-12.5

Tgt Ion: 84 Resp: 693

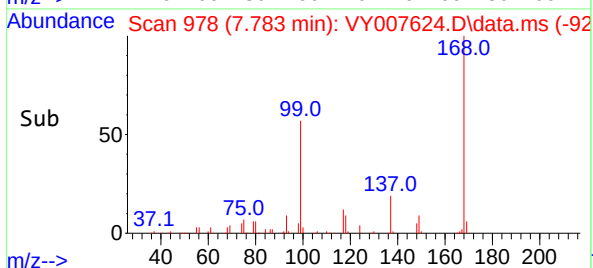
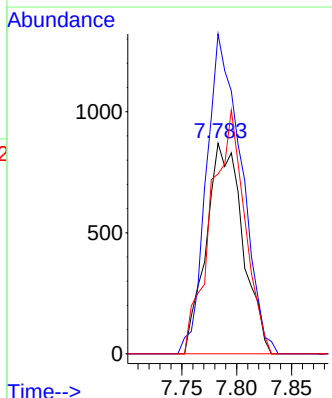
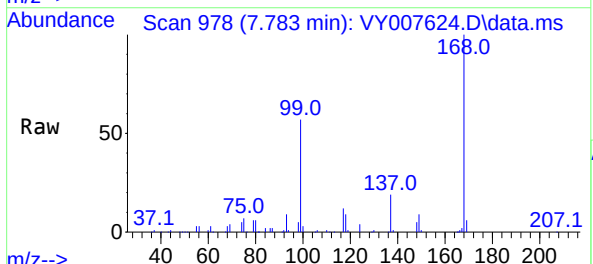
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 71.0  | 114.4 | 171.6# |
| 51  | 25.0  | 35.3  | 52.9#  |
| 86  | 39.2  | 53.7  | 80.5#  |

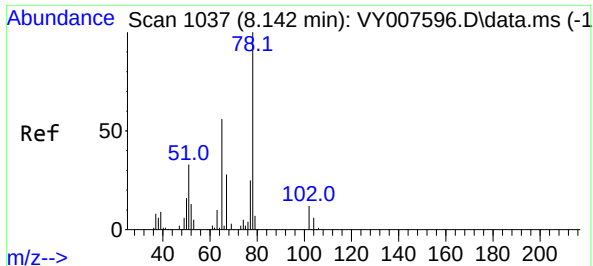


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.783 min Scan# 978  
Delta R.T. -0.000 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

Tgt Ion: 56 Resp: 2019

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 151.8 | 26.7  | 40.1# |
| 84  | 85.4  | 67.2  | 100.8 |





#33

1,2-Dichloroethane-d4

Concen: 52.198 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY007624.D

Acq: 24 Feb 2022 17:50

Instrument :

MSVOA\_Y

ClientSampleId :

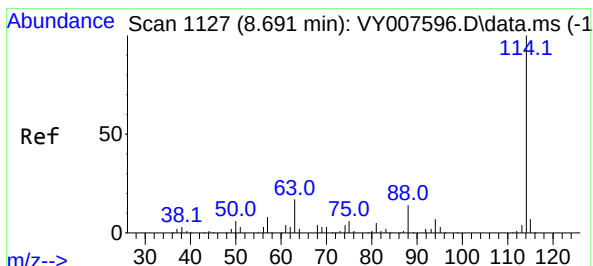
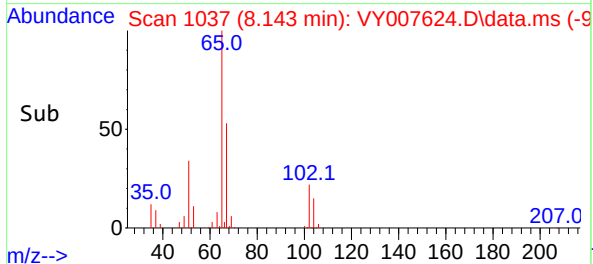
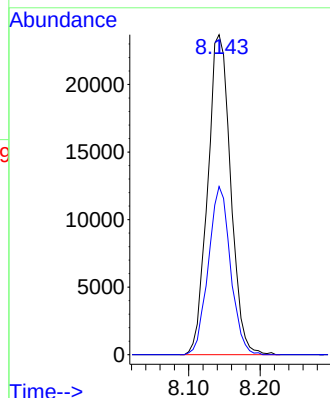
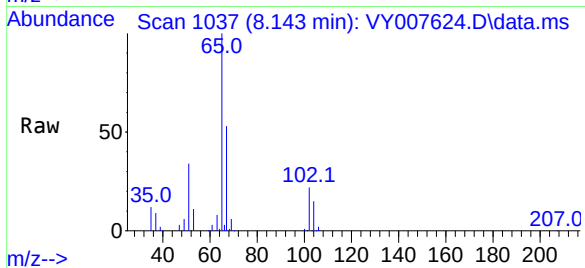
D11-12.5

Tgt Ion: 65 Resp: 52755

Ion Ratio Lower Upper

65 100

67 50.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007624.D

Acq: 24 Feb 2022 17:50

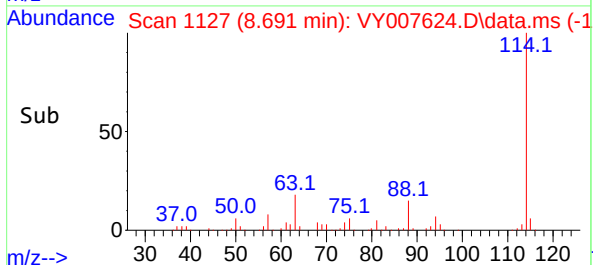
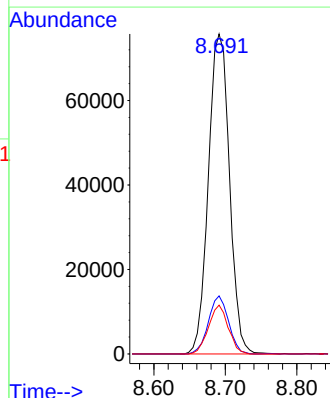
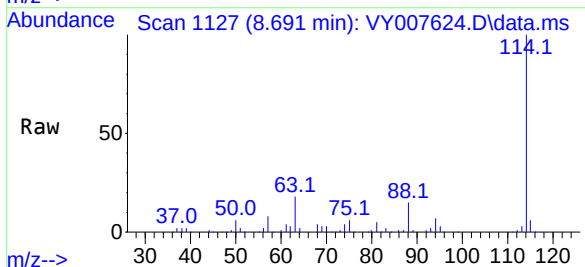
Tgt Ion: 114 Resp: 155183

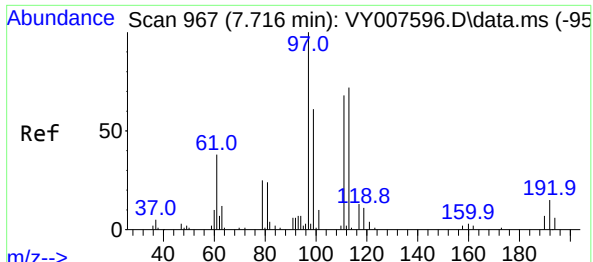
Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 15.3 0.0 31.8

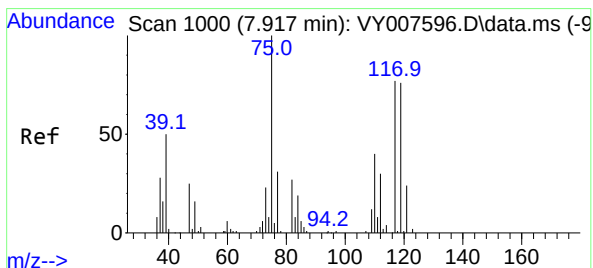
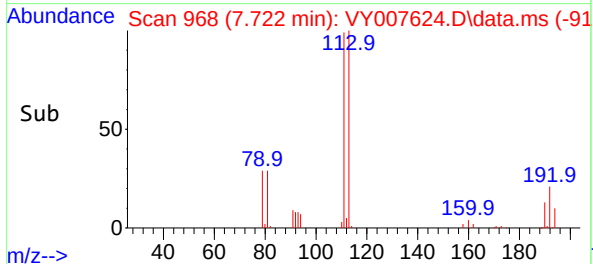
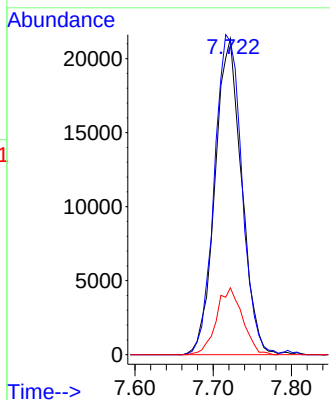
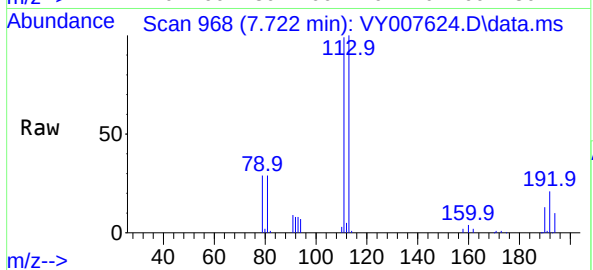




#35  
Dibromofluoromethane  
Concen: 51.497 ug/l  
RT: 7.722 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

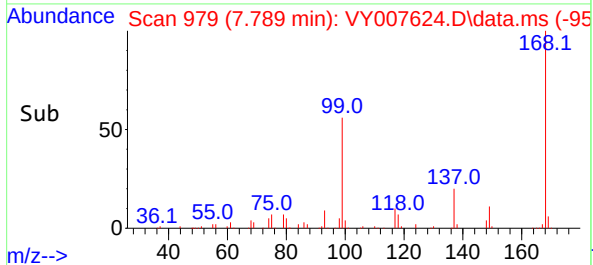
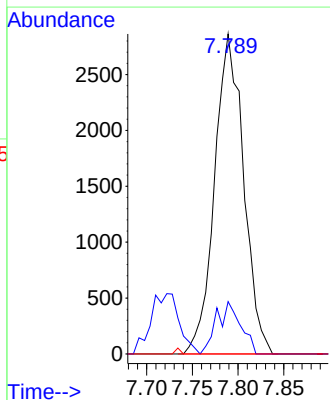
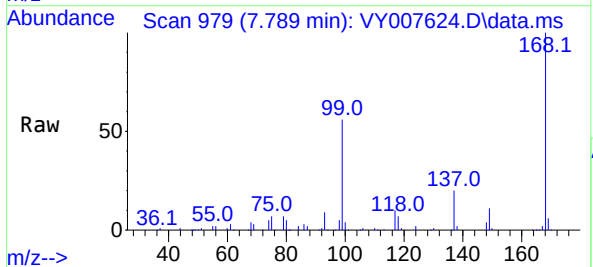
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D11-12.5

Tgt Ion:113 Resp: 50425  
Ion Ratio Lower Upper  
113 100  
111 104.5 82.6 124.0  
192 20.7 17.6 26.4

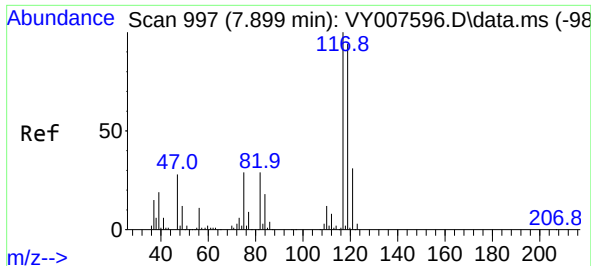


#36  
1,1-Dichloropropene  
Concen: 4.475 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.128 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

Tgt Ion: 75 Resp: 6315  
Ion Ratio Lower Upper  
75 100  
110 13.6 17.1 51.2#  
77 0.0 24.4 36.6#



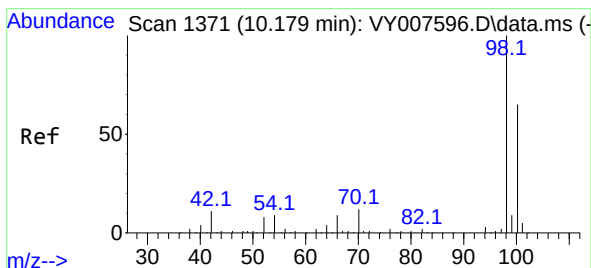
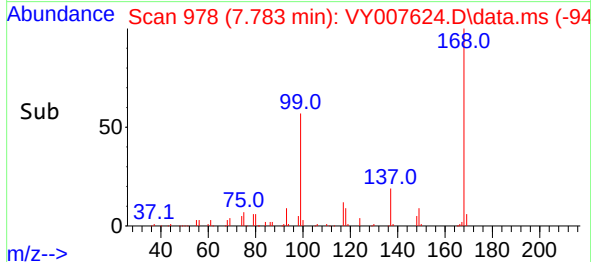
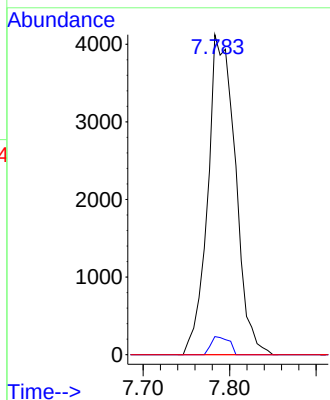
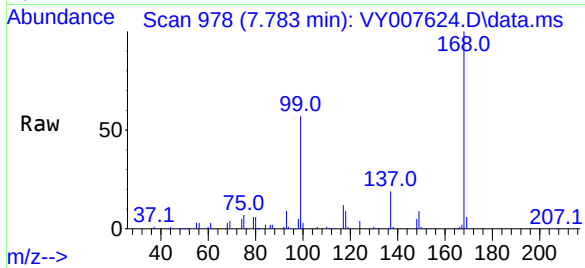




#38  
Carbon Tetrachloride  
Concen: 4.409 ug/l  
RT: 7.783 min Scan# 911  
Delta R.T. -0.116 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

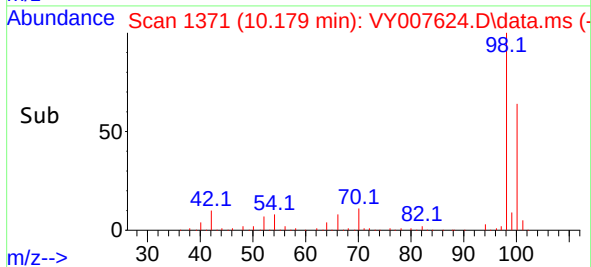
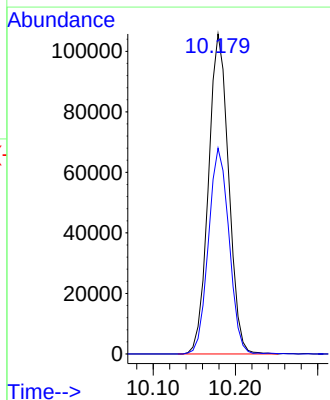
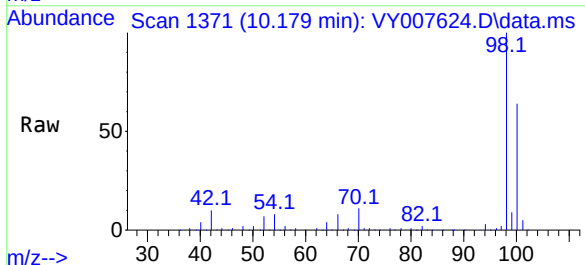
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D11-12.5

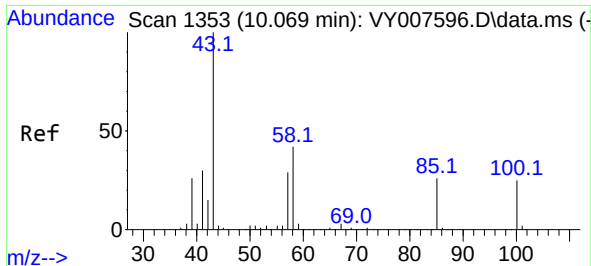
Tgt Ion:117 Resp: 9111  
Ion Ratio Lower Upper  
117 100  
119 5.6 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.880 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

Tgt Ion: 98 Resp: 180669  
Ion Ratio Lower Upper  
98 100  
100 65.5 50.2 75.2

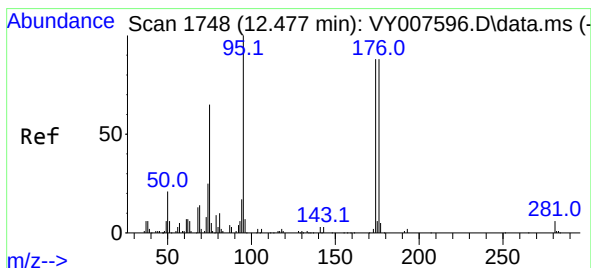
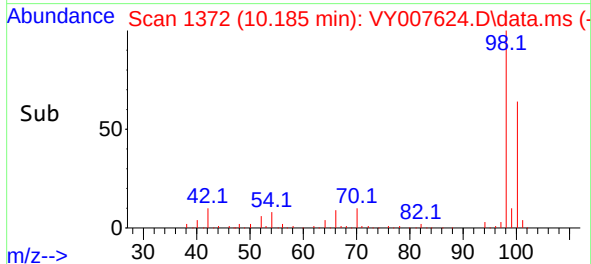
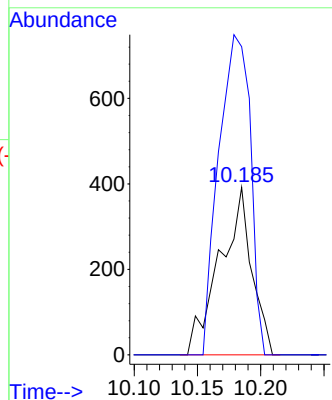
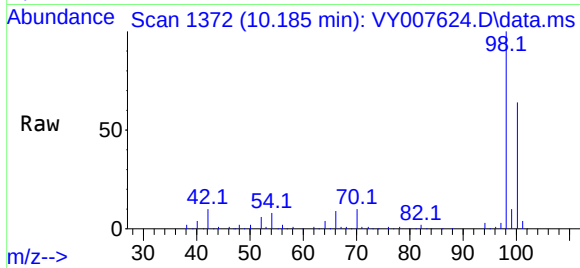




#51  
4-Methyl-2-Pentanone  
Concen: 1.057 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.116 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

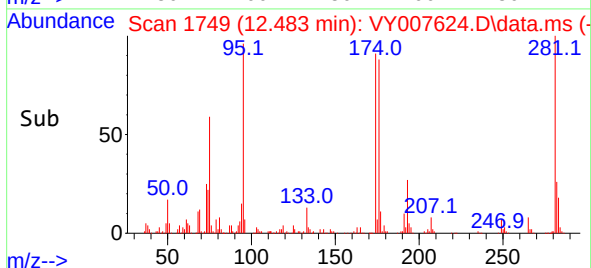
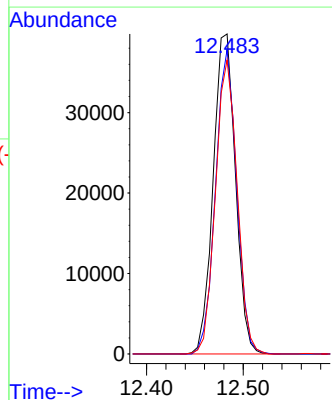
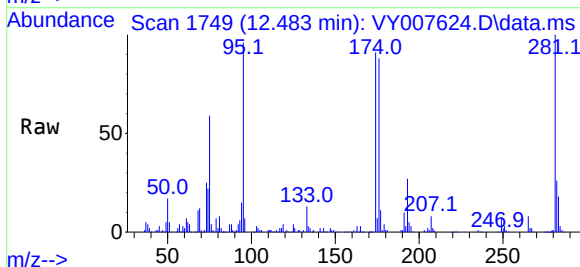
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D11-12.5

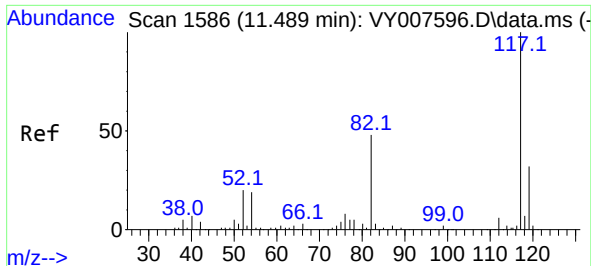
Tgt Ion: 43 Resp: 690  
Ion Ratio Lower Upper  
43 100  
58 188.8 28.1 42.1#



#62  
4-Bromofluorobenzene  
Concen: 51.378 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

Tgt Ion: 95 Resp: 63613  
Ion Ratio Lower Upper  
95 100  
174 90.3 0.0 177.0  
176 89.2 0.0 175.8

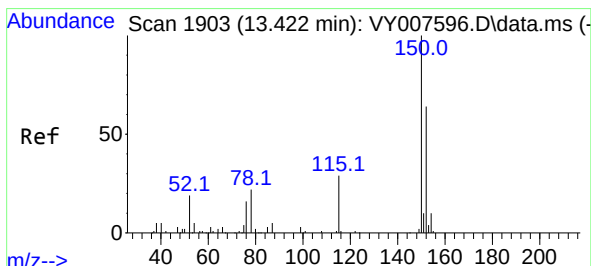
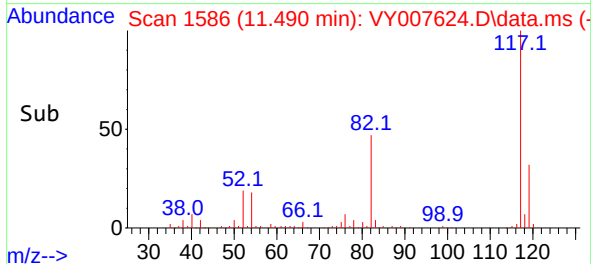
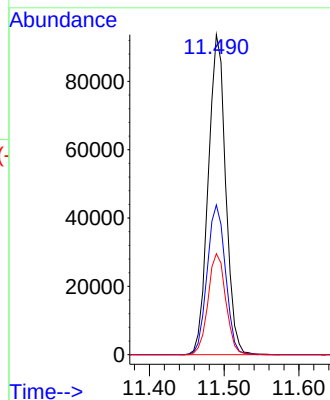
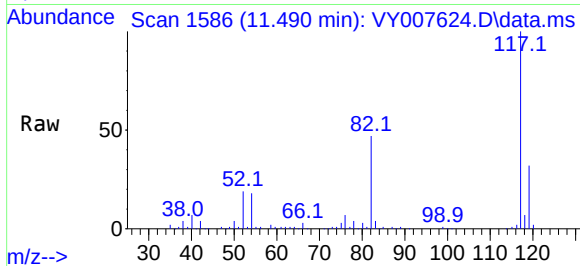




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

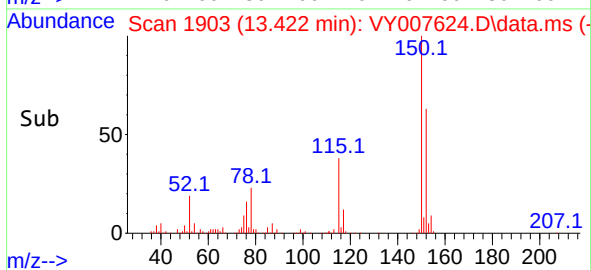
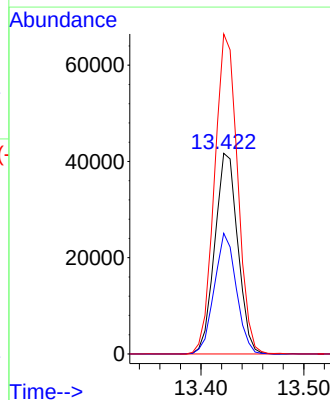
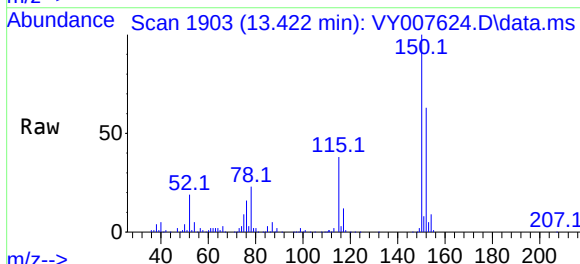
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D11-12.5

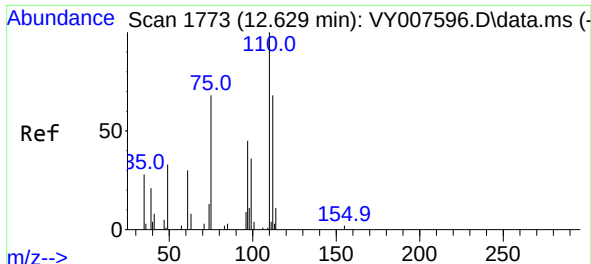
Tgt Ion:117 Resp: 151286  
Ion Ratio Lower Upper  
117 100  
82 46.8 43.0 64.4  
119 31.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

Tgt Ion:152 Resp: 64695  
Ion Ratio Lower Upper  
152 100  
115 57.7 28.2 84.7  
150 160.3 0.0 347.6

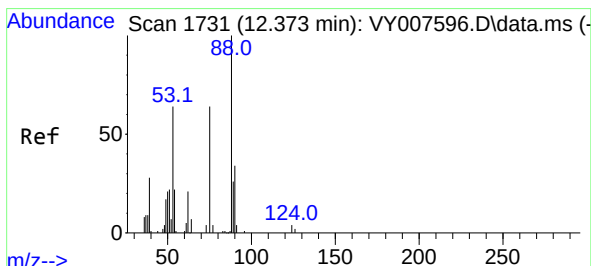
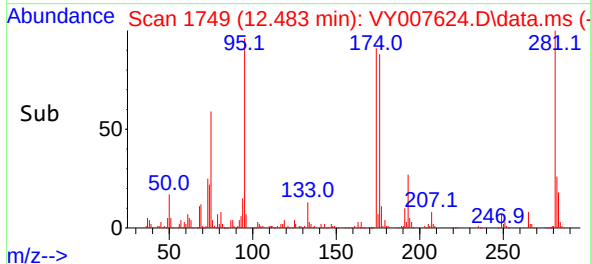
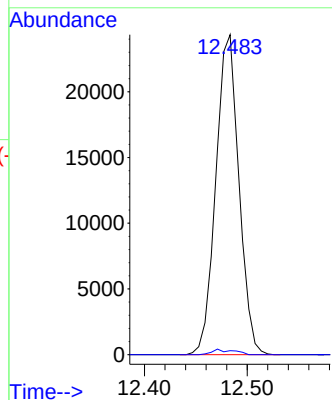
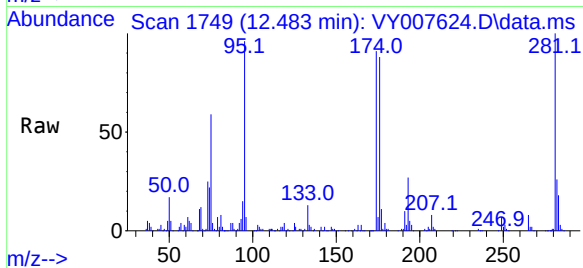




#76  
1,2,3-Trichloropropane  
Concen: 58.585 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
D11-12.5

Tgt Ion: 75 Resp: 37907  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 125.967 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.110 min  
Lab File: VY007624.D  
Acq: 24 Feb 2022 17:50

Tgt Ion: 75 Resp: 37907  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 2.0 37.0 55.4#

