

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061622\  
 Data File : VY009204.D  
 Acq On : 16 Jun 2022 15:51  
 Operator : KP/MD  
 Sample : N3340-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 17 02:27:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061522S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 16 02:54:06 2022  
 Response via : Initial Calibration

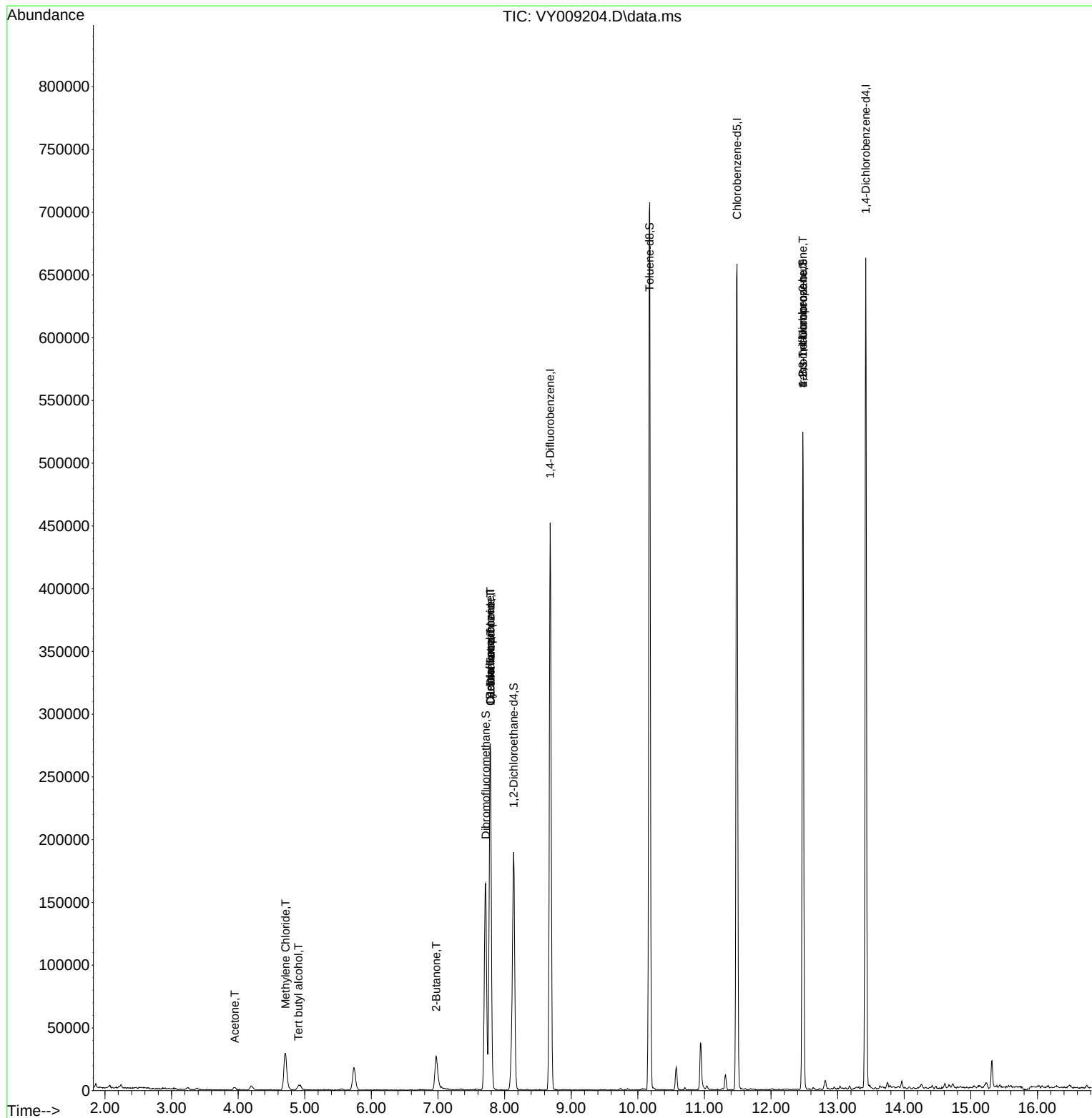
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 220097   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 384696   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 360571   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 167989   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 129073   | 56.140    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 112.280% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 118170   | 48.994    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 97.980%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 463608   | 50.495    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 100.980% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 160293   | 49.130    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 98.260%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.905  | 59    | 2611     | 7.158     | ug/l #     | 77       |
| 16) Acetone                   | 3.948  | 43    | 3585     | 6.190     | ug/l       | 92       |
| 18) Methyl Acetate            | 4.472  | 43    | 150      | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.710  | 84    | 22410    | 6.069     | ug/l       | 89       |
| 25) 2-Butanone                | 6.972  | 43    | 1889     | 2.061     | ug/l #     | 75       |
| 31) Cyclohexane               | 7.789  | 56    | 4612     | 1.120     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 16471    | 4.439     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 20562    | 5.360     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 81789    | 44.094    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 81789    | 87.874    | ug/l #     | 7        |
| -----                         |        |       |          |           |            |          |

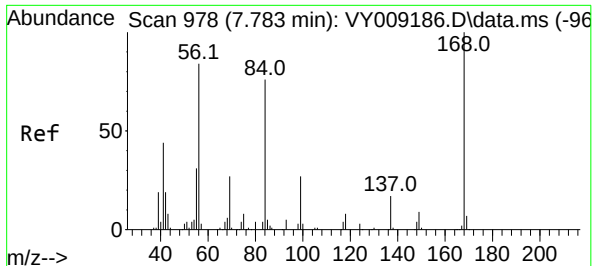
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061622\  
Data File : VY009204.D  
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Sample : N3340-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

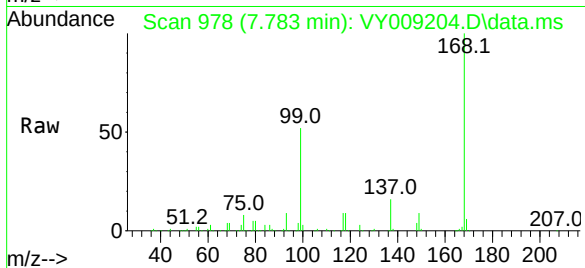
Quant Time: Jun 17 02:27:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061522S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 16 02:54:06 2022  
Response via : Initial Calibration



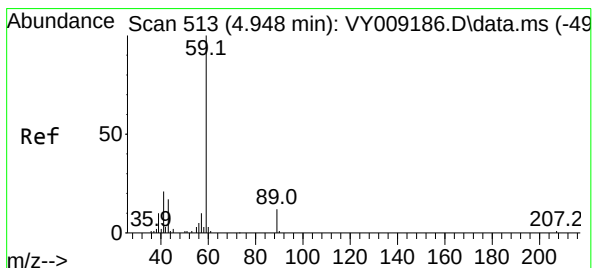
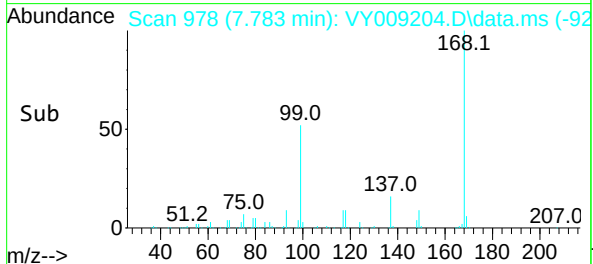
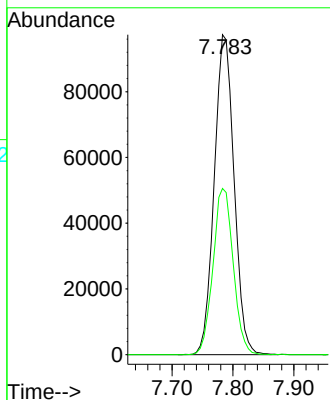


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :

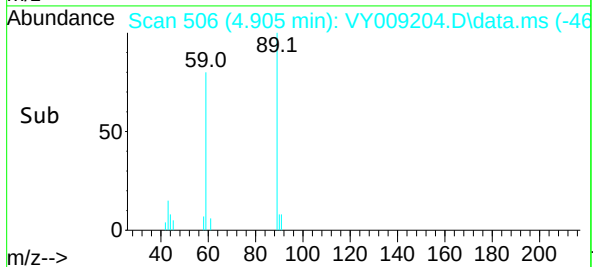
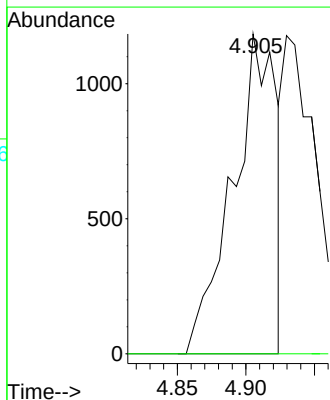
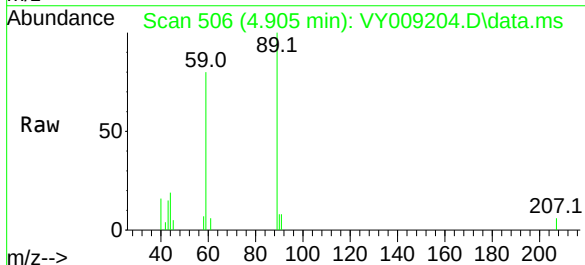


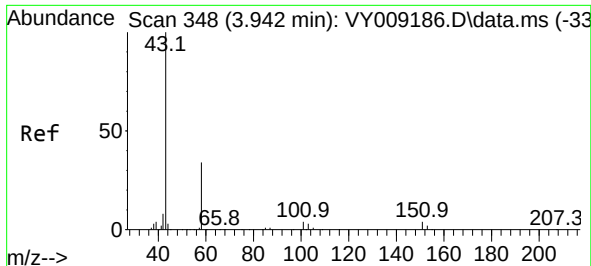
Tgt Ion:168 Resp: 220097  
Ion Ratio Lower Upper  
168 100  
99 52.0 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 7.158 ug/l  
RT: 4.905 min Scan# 506  
Delta R.T. -0.043 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Tgt Ion: 59 Resp: 2611  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

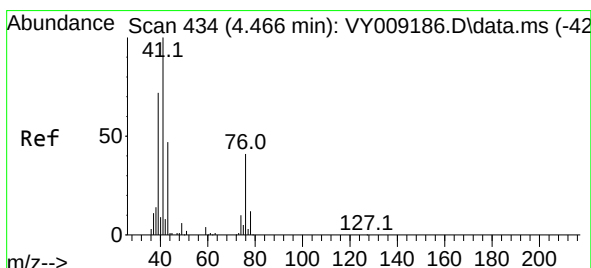
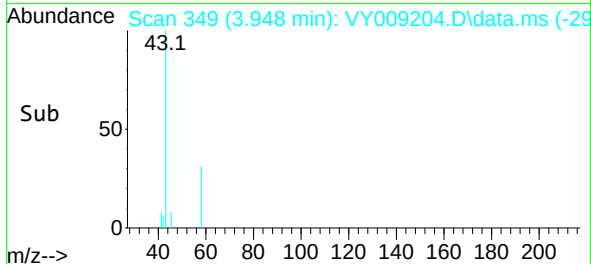
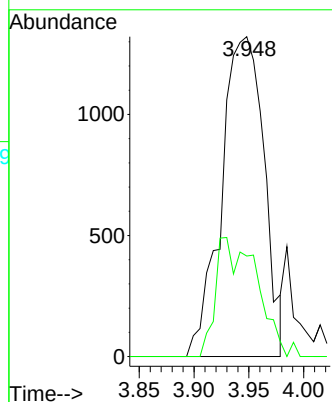
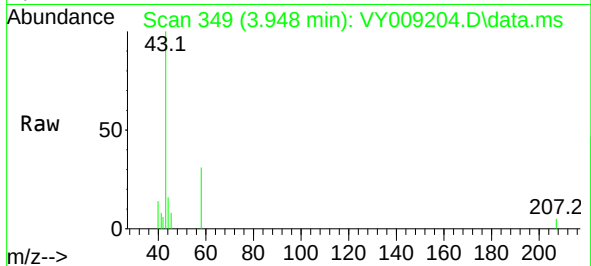




#16  
Acetone  
Concen: 6.190 ug/l  
RT: 3.948 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

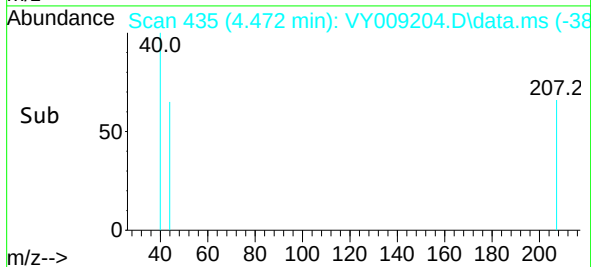
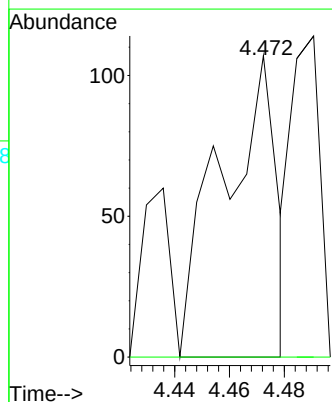
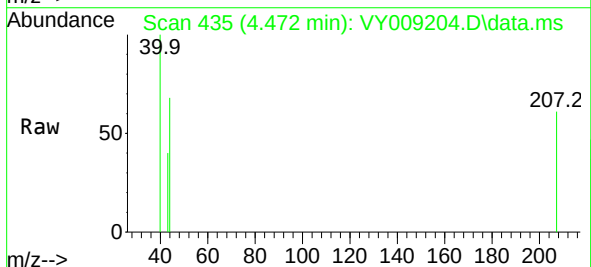
Instrument :  
MSVOA\_Y  
ClientSampleId :

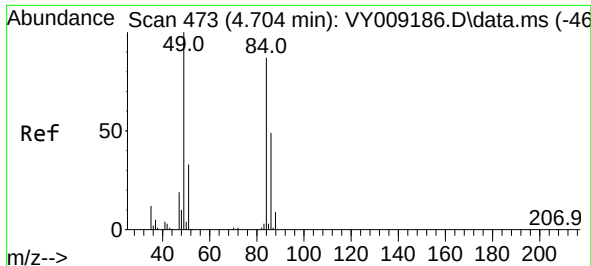
Tgt Ion: 43 Resp: 3585  
Ion Ratio Lower Upper  
43 100  
58 31.4 22.0 33.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.472 min Scan# 435  
Delta R.T. 0.006 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

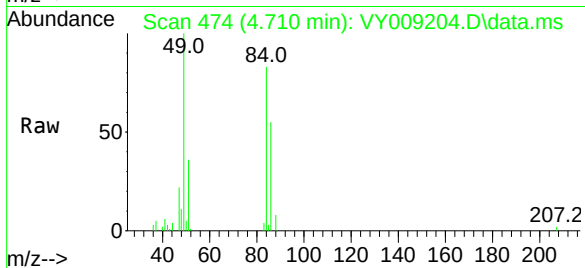
Tgt Ion: 43 Resp: 150  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#





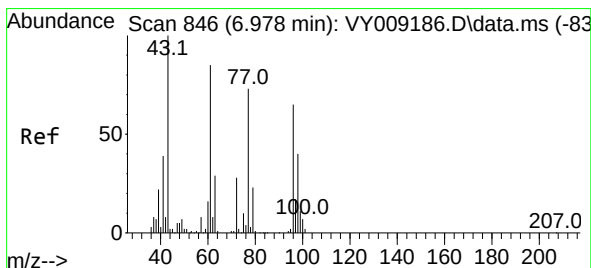
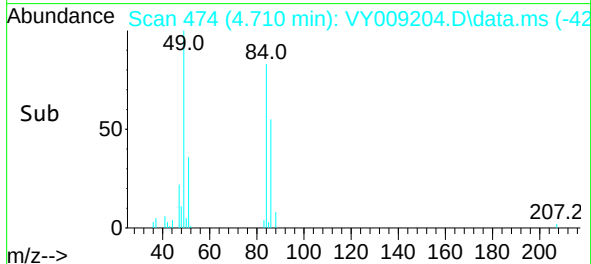
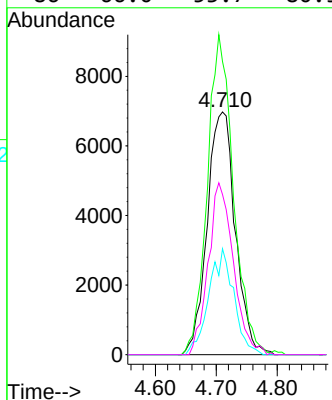
#20  
Methylene Chloride  
Concen: 6.069 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 22410

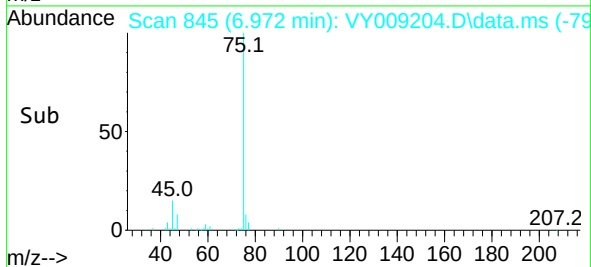
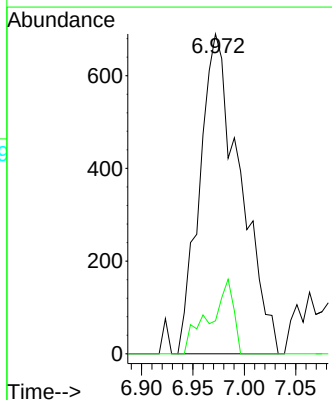
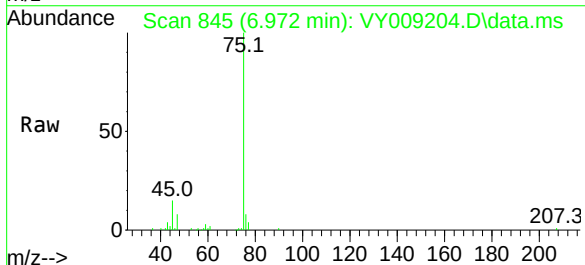
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 120.7 | 114.4 | 171.6 |
| 51  | 43.6  | 35.3  | 52.9  |
| 86  | 66.0  | 53.7  | 80.5  |

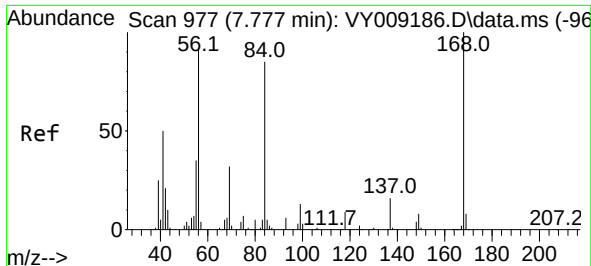


#25  
2-Butanone  
Concen: 2.061 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Tgt Ion: 43 Resp: 1889

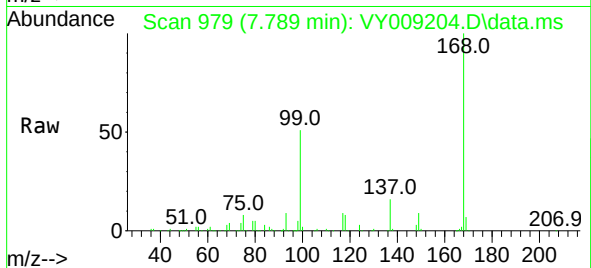
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 10.3  | 17.7  | 26.5# |



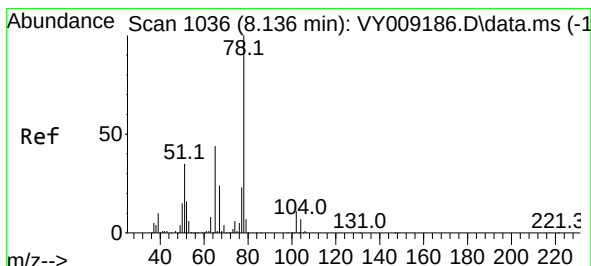
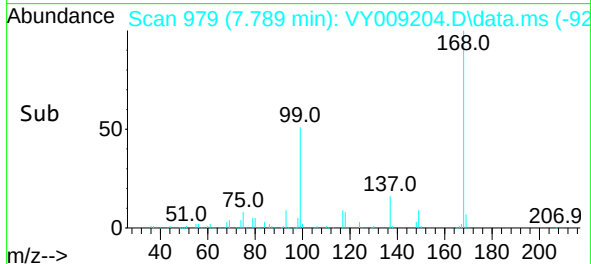
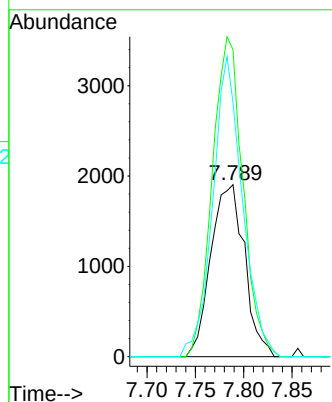


#31  
Cyclohexane  
Concen: 1.120 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :

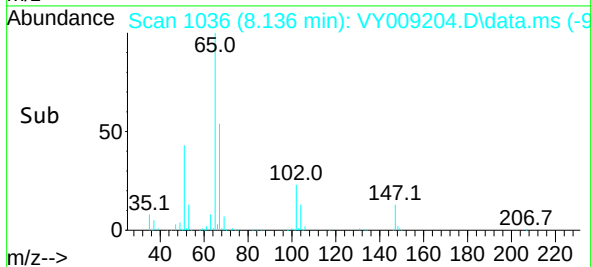
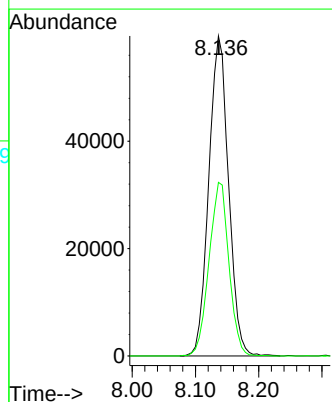
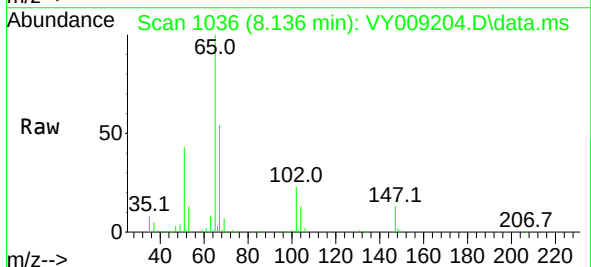


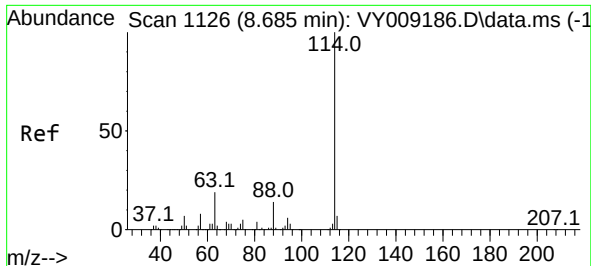
Tgt Ion: 56 Resp: 4612  
Ion Ratio Lower Upper  
56 100  
69 178.6 26.7 40.1#  
84 148.0 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 56.140 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Tgt Ion: 65 Resp: 129073  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 99.4

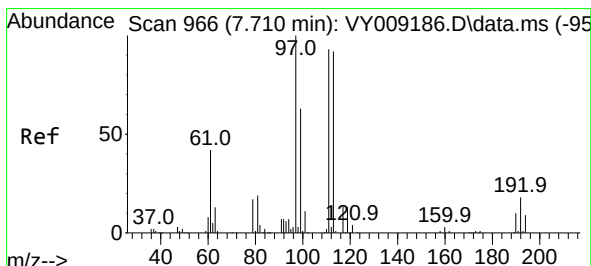
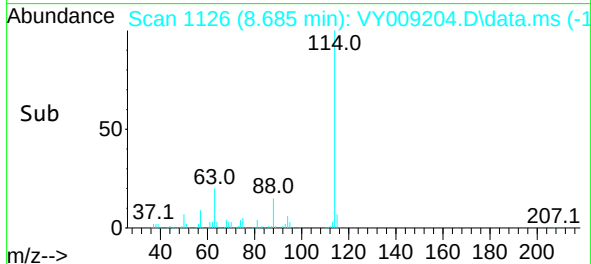
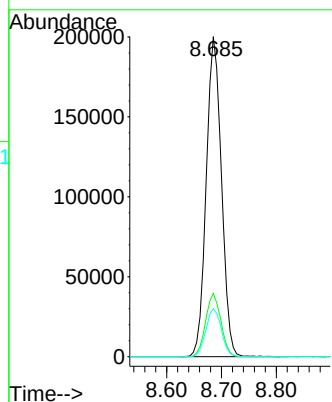
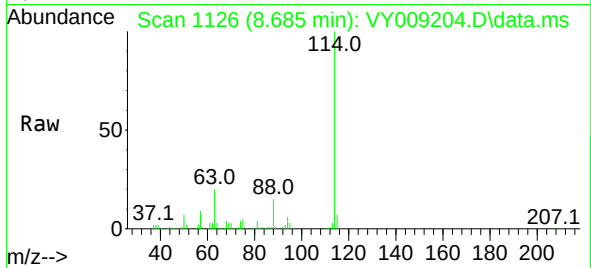




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

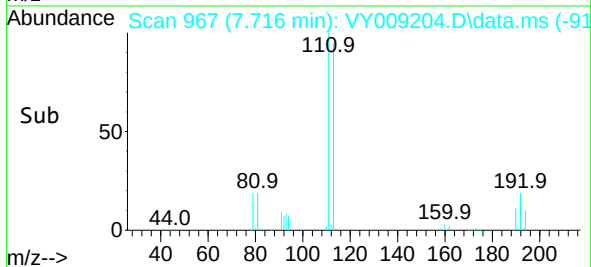
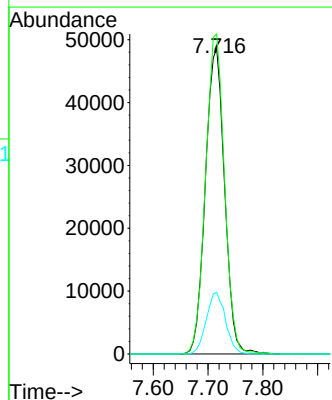
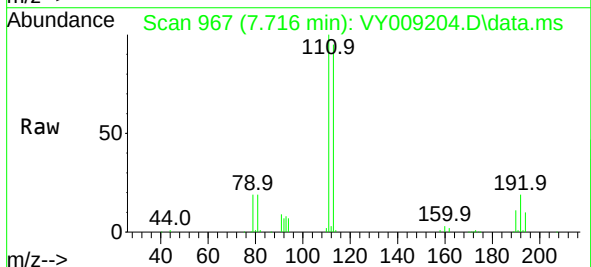
Instrument :  
MSVOA\_Y  
ClientSampleId :

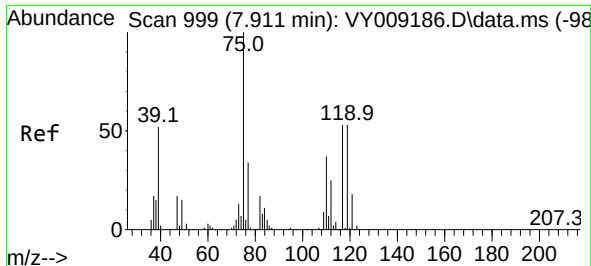
Tgt Ion:114 Resp: 384696  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 43.2  
88 15.0 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 48.994 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.006 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Tgt Ion:113 Resp: 118170  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.6 124.0  
192 20.1 17.6 26.4

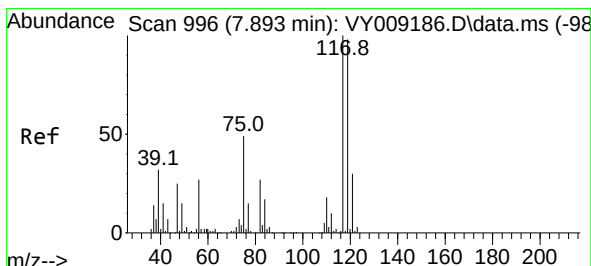
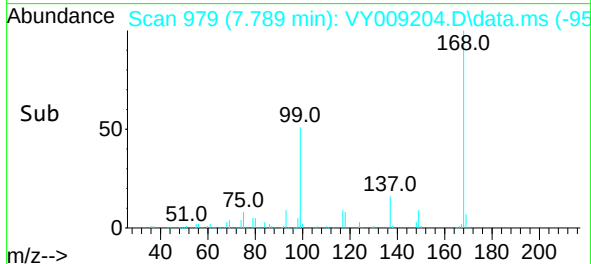
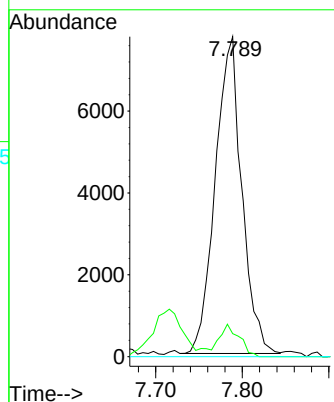
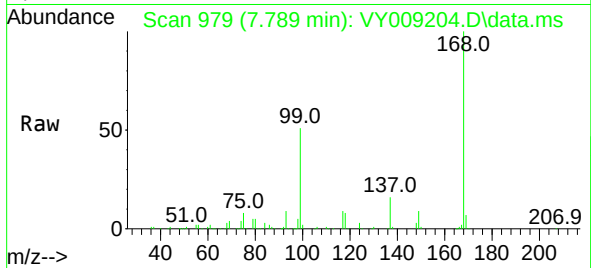




#36  
1,1-Dichloropropene  
Concen: 4.439 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

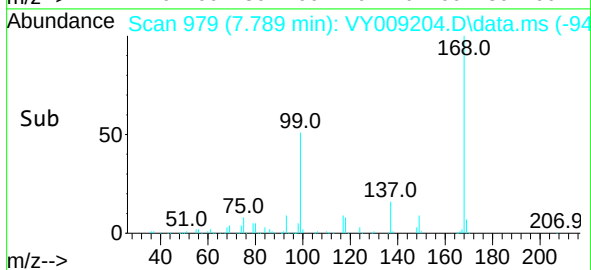
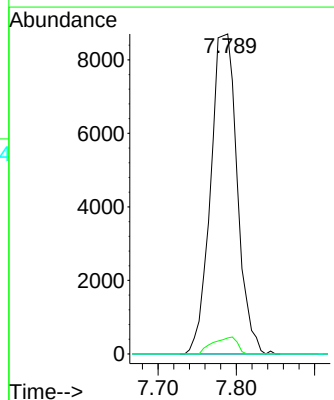
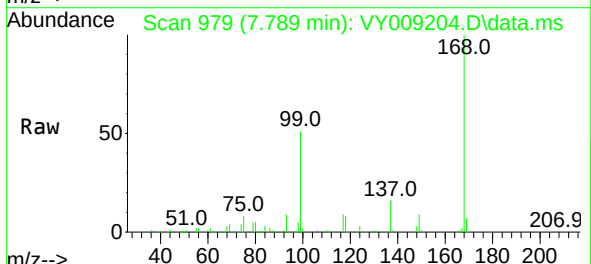
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 16471  
Ion Ratio Lower Upper  
75 100  
110 7.9 17.1 51.2#  
77 0.0 24.4 36.6#

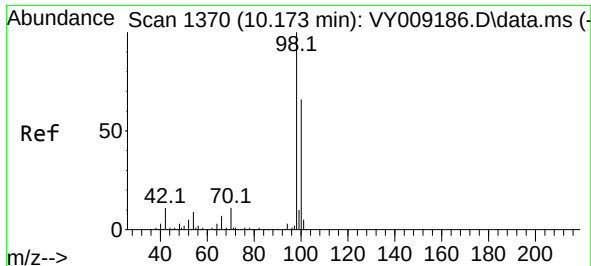


#38  
Carbon Tetrachloride  
Concen: 5.360 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.104 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Tgt Ion: 117 Resp: 20562  
Ion Ratio Lower Upper  
117 100  
119 5.0 77.9 116.9#  
121 0.0 24.8 37.2#



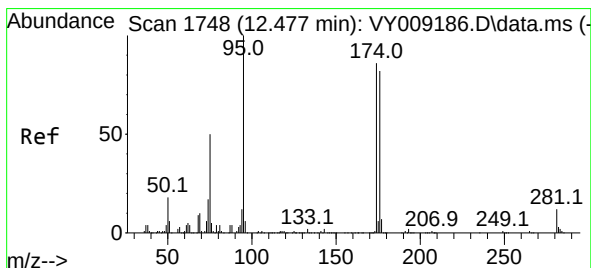
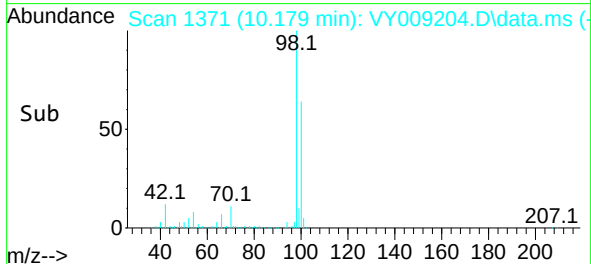
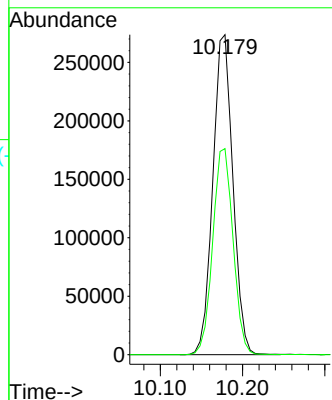
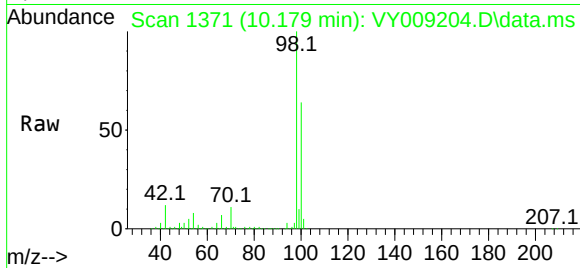




#50  
Toluene-d8  
Concen: 50.495 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

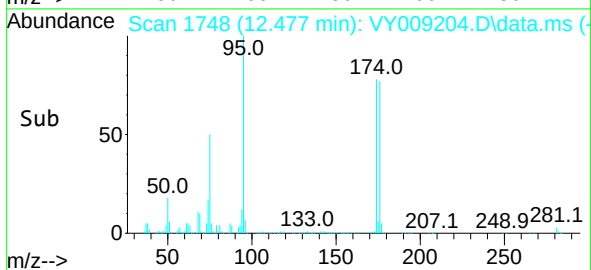
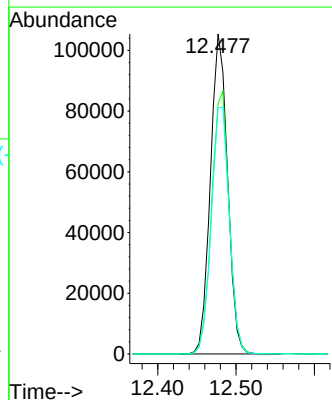
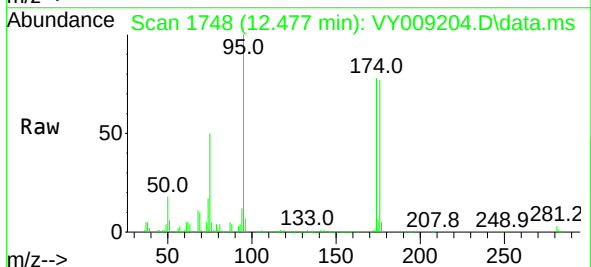
Instrument :  
MSVOA\_Y  
ClientSampleId :

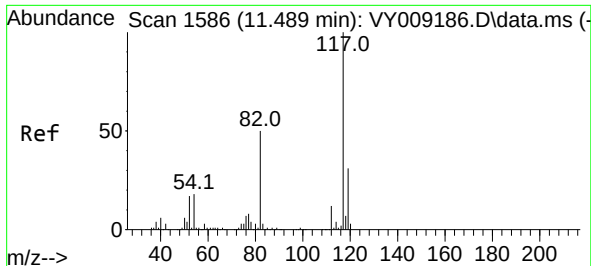
Tgt Ion: 98 Resp: 463608  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 49.130 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

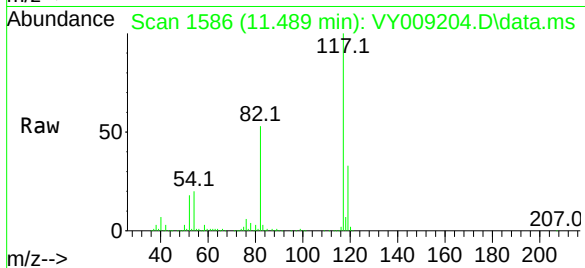
Tgt Ion: 95 Resp: 160293  
Ion Ratio Lower Upper  
95 100  
174 84.5 0.0 177.0  
176 80.8 0.0 175.8



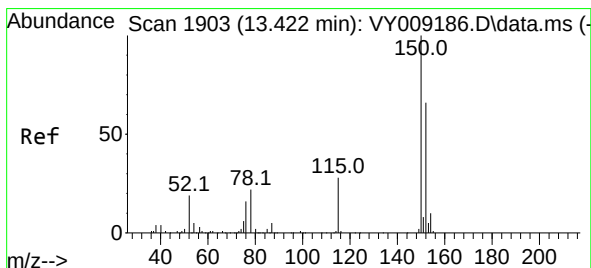
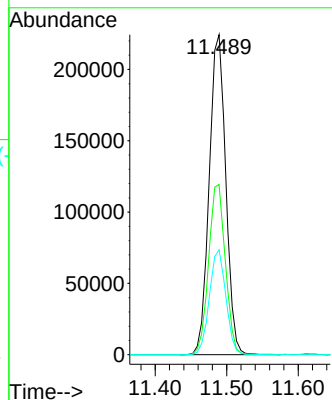
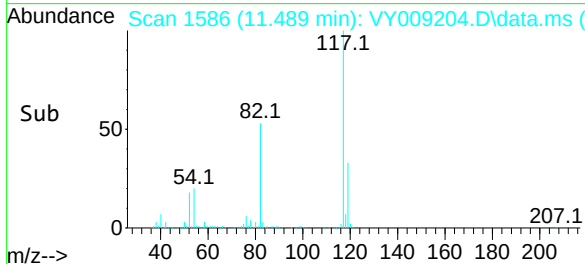


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :

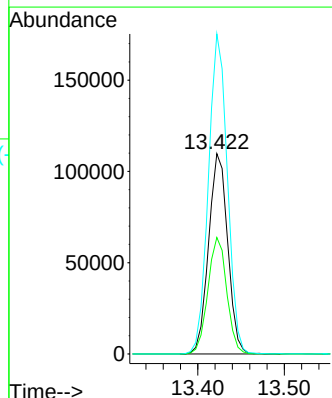
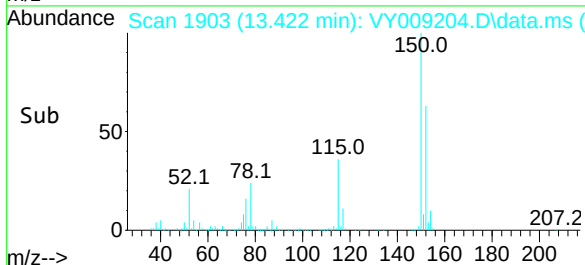
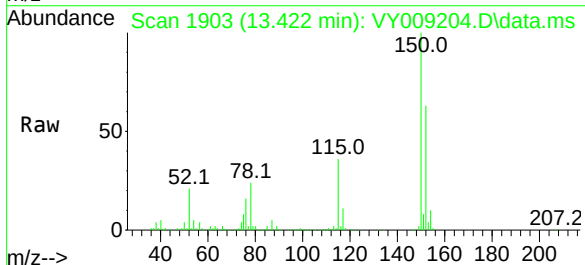


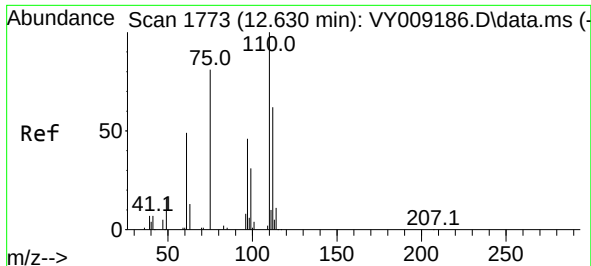
Tgt Ion:117 Resp: 360571  
Ion Ratio Lower Upper  
117 100  
82 53.2 43.0 64.4  
119 32.7 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Tgt Ion:152 Resp: 167989  
Ion Ratio Lower Upper  
152 100  
115 57.3 28.2 84.7  
150 158.5 0.0 347.6

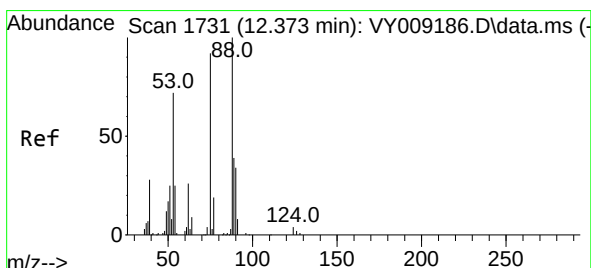
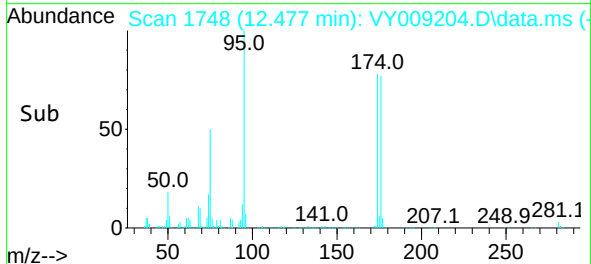
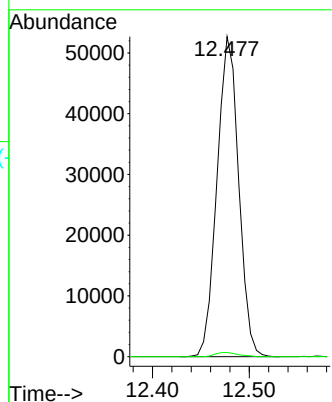
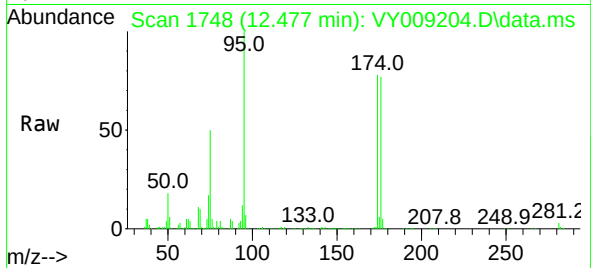




#76  
1,2,3-Trichloropropane  
Concen: 44.094 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 81789  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.874 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY009204.D  
Acq: 16 Jun 2022 15:51

Tgt Ion: 75 Resp: 81789  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.1 37.0 55.4#

