

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030122\  
 Data File : VY007668.D  
 Acq On : 01 Mar 2022 15:14  
 Operator : SY/MD  
 Sample : N1717-01  
 Misc : 5.56g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Mar 02 07:51:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 01 09:08:03 2022  
 Response via : Initial Calibration

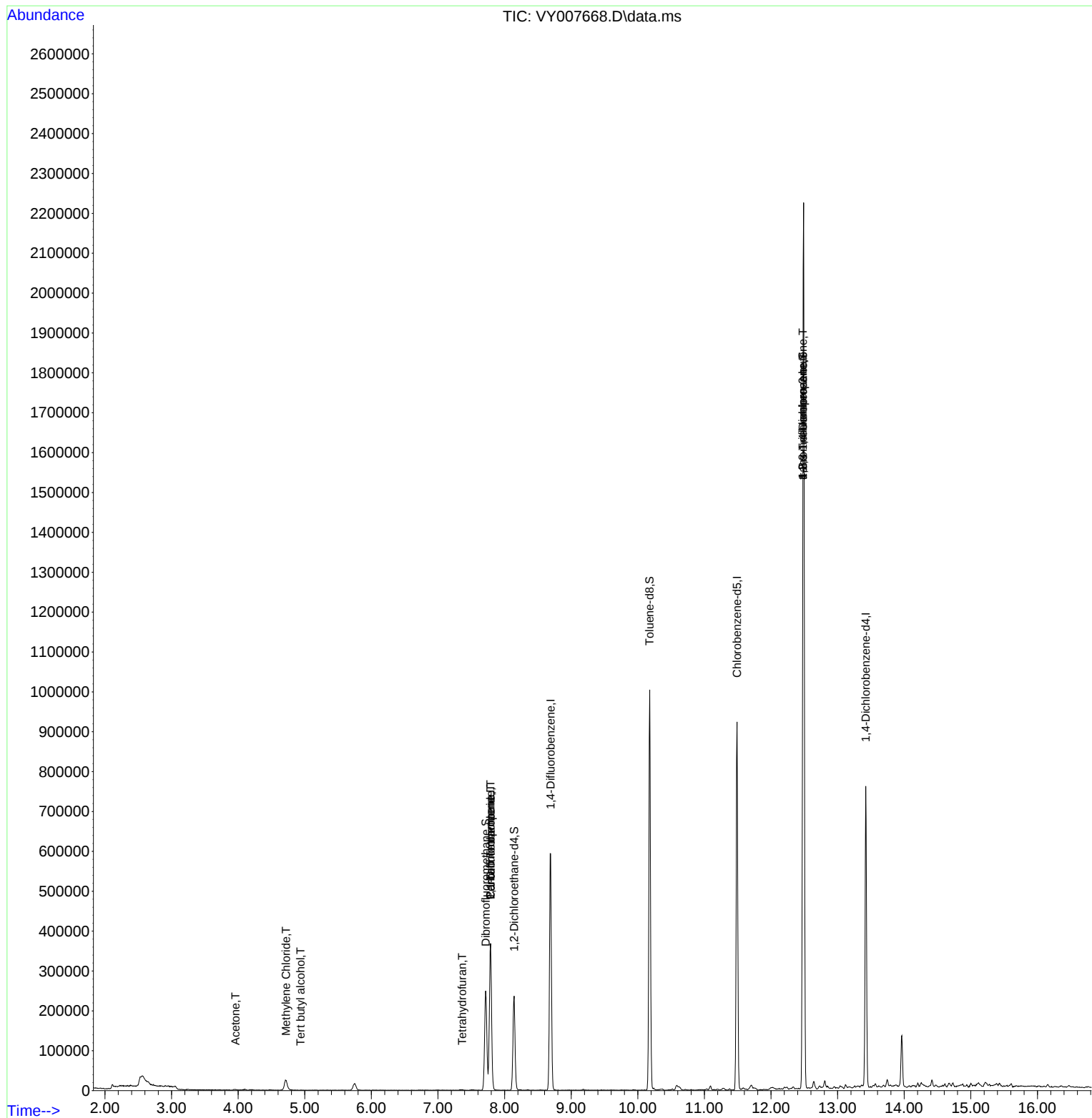
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 287354   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 513656   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 490246   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 183116   | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 175921   | 58.478    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 116.960% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 170203   | 51.829    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 103.660% |          |
| 50) Toluene-d8                | 10.179 | 98    | 635930   | 52.606    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 105.220% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 196220   | 50.356    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 100.720% |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.900  | 85    | 87       | Below Cal | #          | 43       |
| 3) Chloromethane              | 2.113  | 50    | 5475     | Below Cal |            | 98       |
| 11) Tert butyl alcohol        | 4.936  | 59    | 295      | 1.133     | ug/l #     | 77       |
| 13) Acrolein                  | 3.741  | 56    | 266      | Below Cal | #          | 14       |
| 16) Acetone                   | 3.960  | 43    | 2881     | 4.708     | ug/l       | 91       |
| 17) Carbon Disulfide          | 4.204  | 76    | 1465     | Below Cal |            | 99       |
| 18) Methyl Acetate            | 4.472  | 43    | 1868     | Below Cal | #          | 89       |
| 20) Methylene Chloride        | 4.716  | 84    | 18182    | 2.017     | ug/l #     | 77       |
| 29) Tetrahydrofuran           | 7.362  | 42    | 1107     | 1.576     | ug/l       | 96       |
| 31) Cyclohexane               | 7.789  | 56    | 6576     | Below Cal | #          | 17       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 21736    | 4.208     | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 29446    | 5.343     | ug/l #     | 14       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 123089   | 60.191    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 123089   | 123.053   | ug/l #     | 9        |
| -----                         |        |       |          |           |            |          |

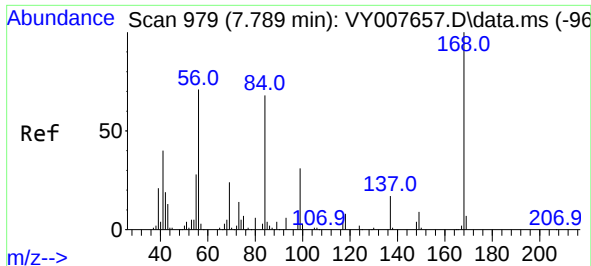
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030122\  
Data File : VY007668.D  
Acq On : 01 Mar 2022 15:14  
Operator : SY/MD  
Sample : N1717-01  
Misc : 5.56g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Mar 02 07:51:05 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022822S.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 01 09:08:03 2022  
Response via : Initial Calibration

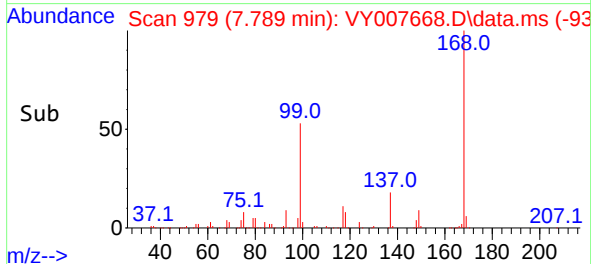
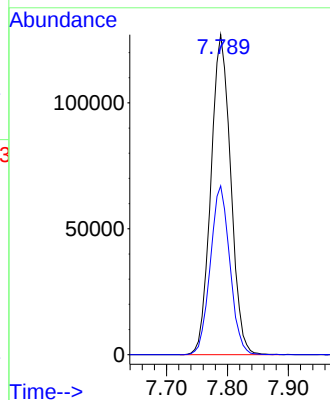
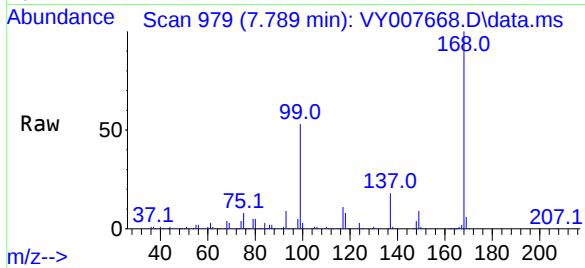




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

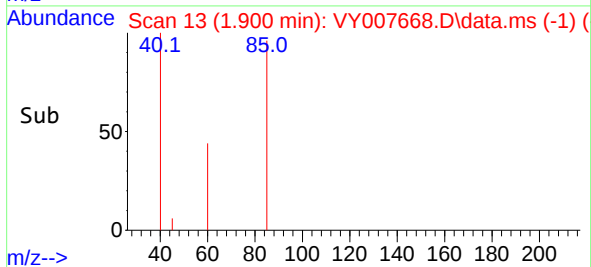
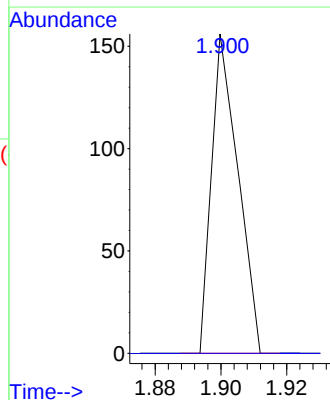
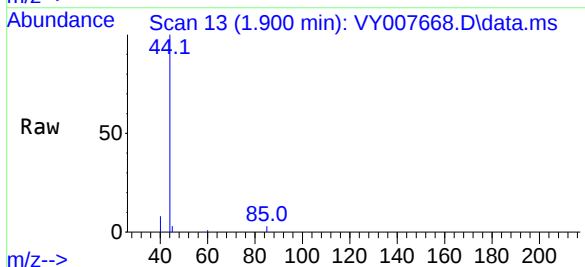
Instrument :  
MSVOA\_Y  
ClientSampleId :

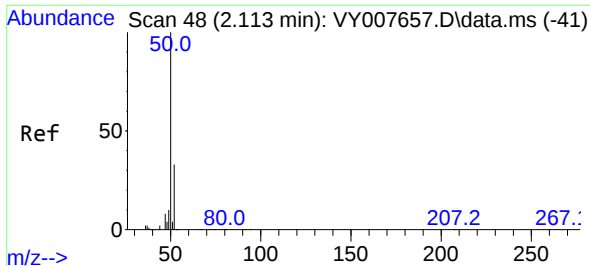
Tgt Ion:168 Resp: 287354  
Ion Ratio Lower Upper  
168 100  
99 52.8 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.900 min Scan# 13  
Delta R.T. -0.006 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

Tgt Ion: 85 Resp: 87  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#

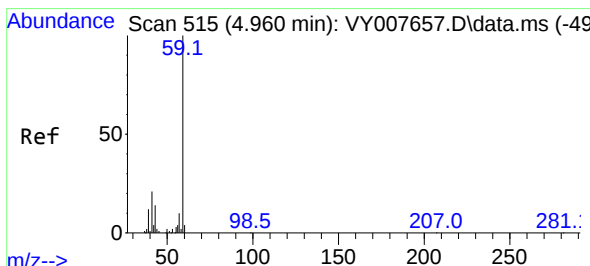
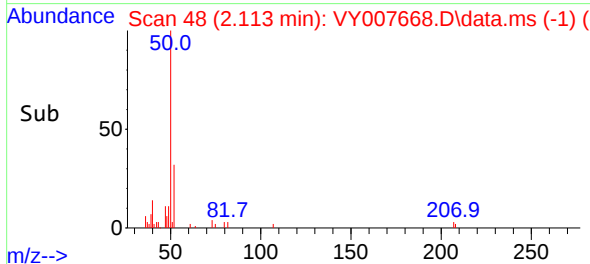
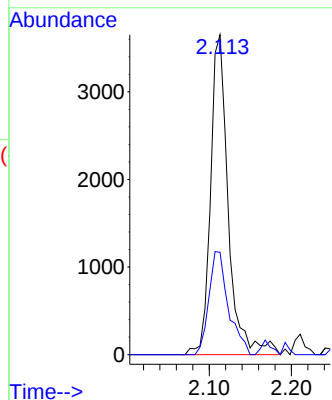
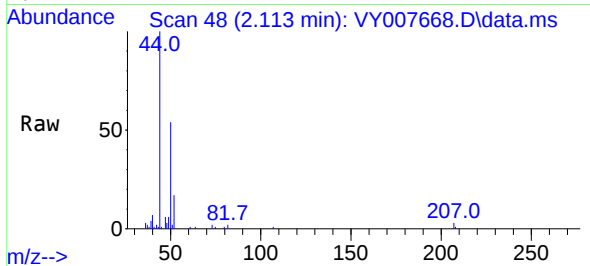




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

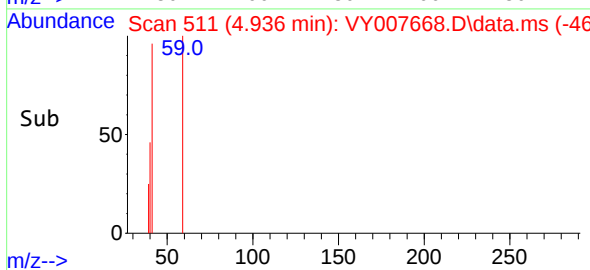
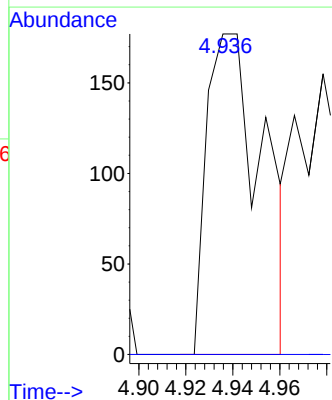
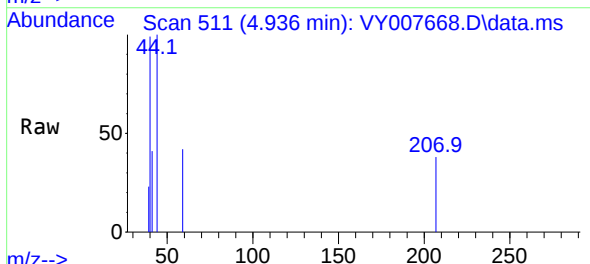
Instrument :  
MSVOA\_Y  
ClientSampleId :

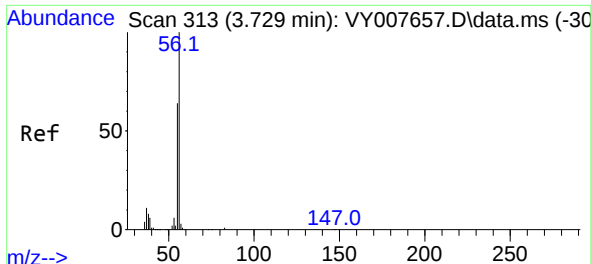
Tgt Ion: 50 Resp: 5475  
Ion Ratio Lower Upper  
50 100  
52 32.0 24.6 37.0



#11  
Tert butyl alcohol  
Concen: 1.133 ug/l  
RT: 4.936 min Scan# 511  
Delta R.T. -0.024 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

Tgt Ion: 59 Resp: 295  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

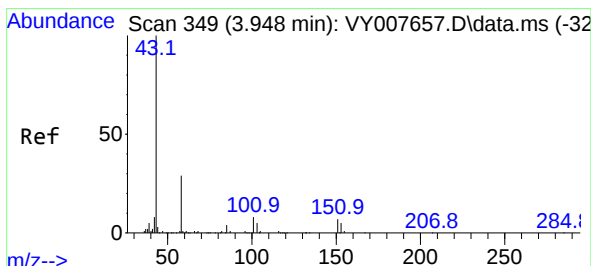
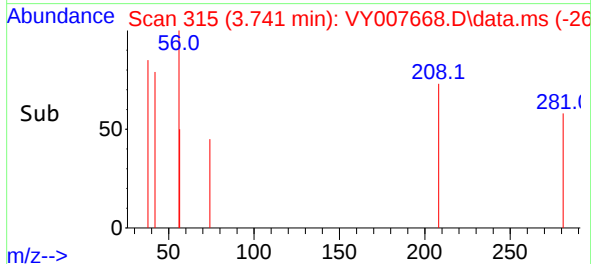
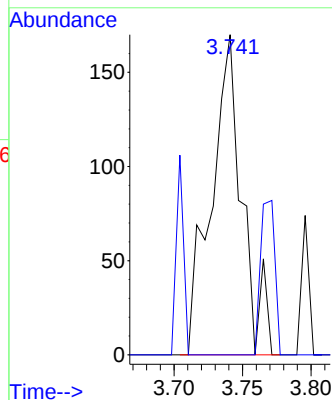
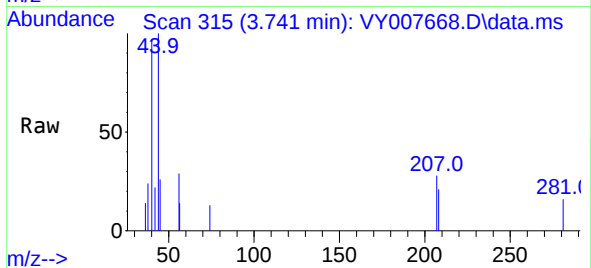




#13  
Acrolein  
Concen: Below Cal  
RT: 3.741 min Scan# 311  
Delta R.T. 0.012 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

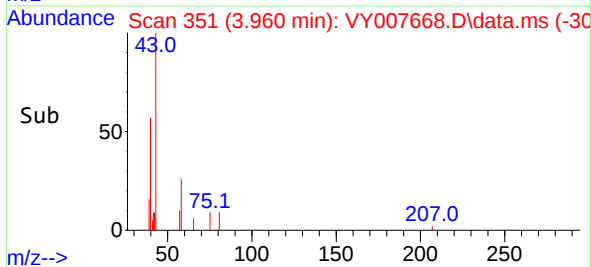
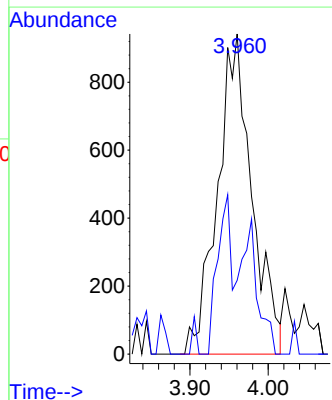
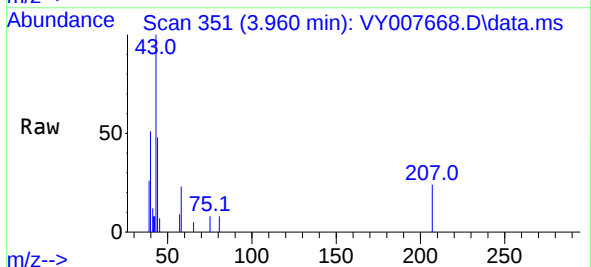
Instrument :  
MSVOA\_Y  
ClientSampleId :

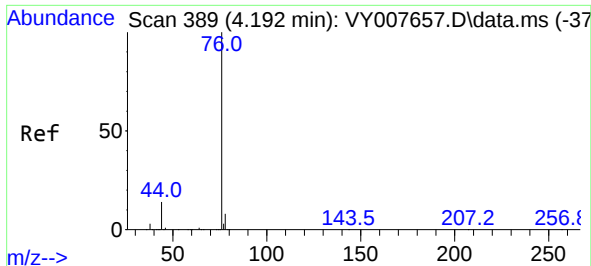
Tgt Ion: 56 Resp: 266  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.6 86.4#



#16  
Acetone  
Concen: 4.708 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.012 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

Tgt Ion: 43 Resp: 2881  
Ion Ratio Lower Upper  
43 100  
58 23.0 22.0 33.0

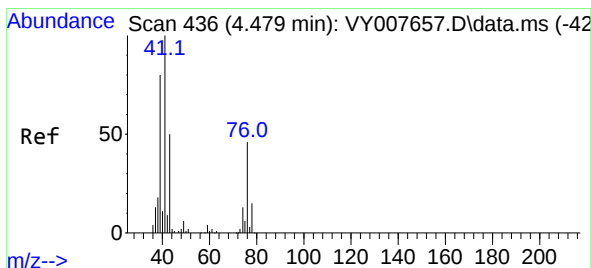
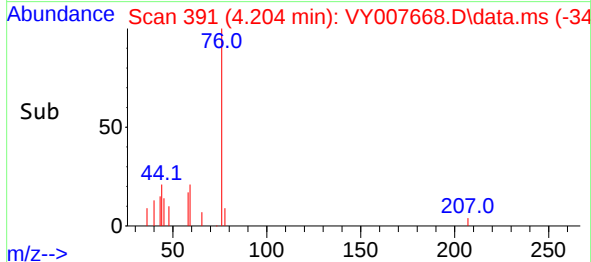
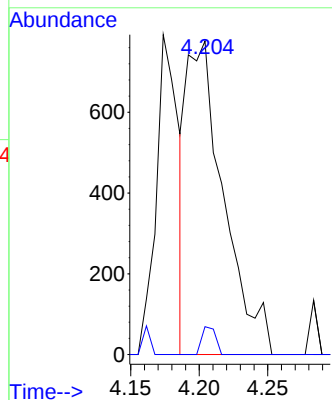
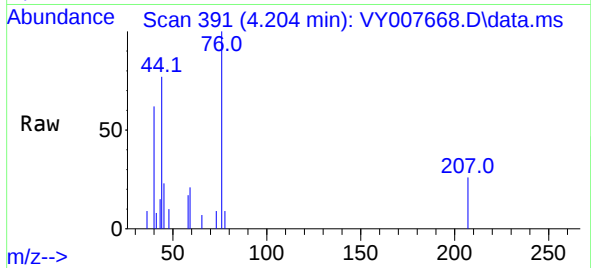




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.204 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

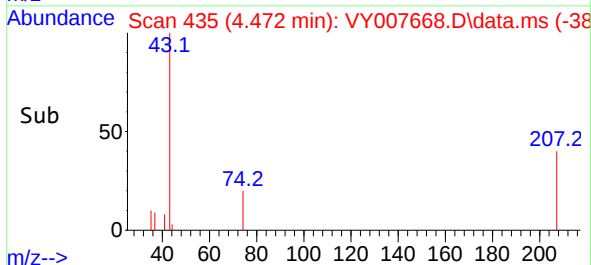
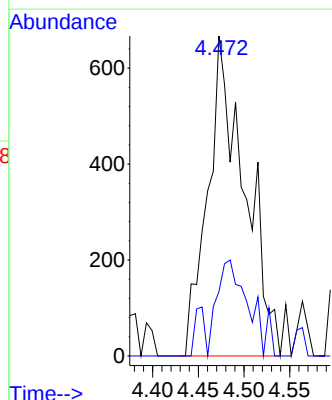
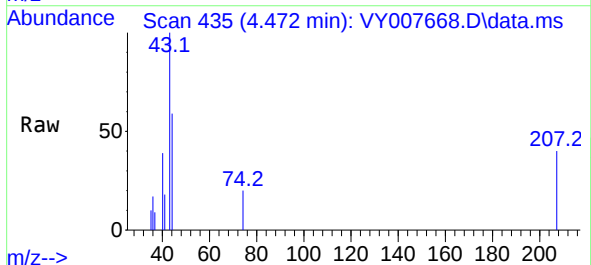
Instrument :  
MSVOA\_Y  
ClientSampleId :

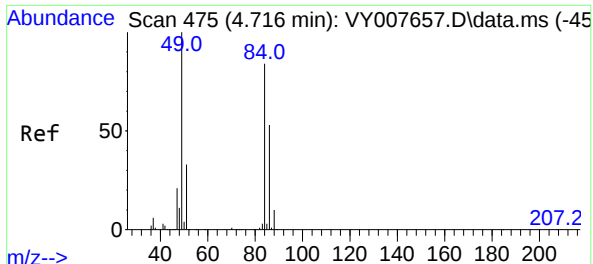
Tgt Ion: 76 Resp: 1465  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.4 11.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.472 min Scan# 435  
Delta R.T. -0.007 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

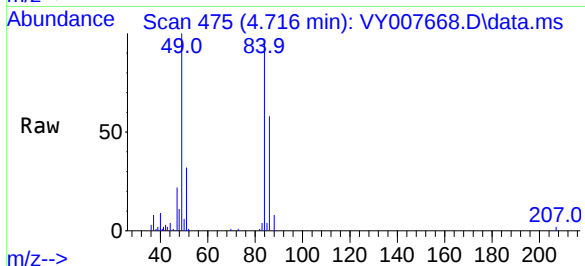
Tgt Ion: 43 Resp: 1868  
Ion Ratio Lower Upper  
43 100  
74 26.0 16.6 24.8#





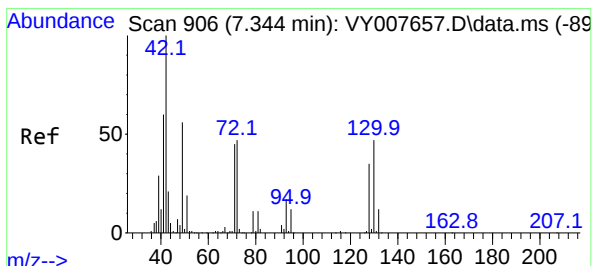
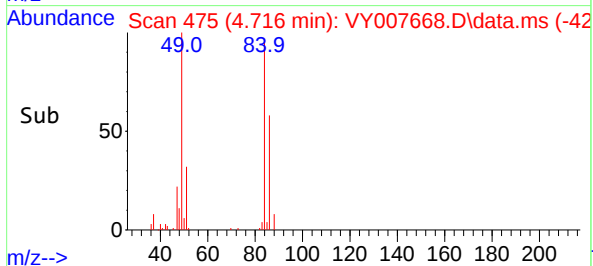
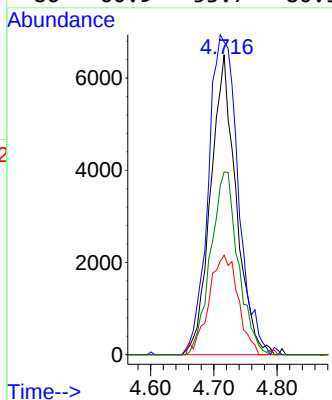
#20  
Methylene Chloride  
Concen: 2.017 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 18182

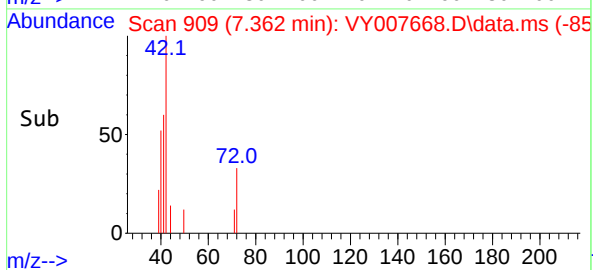
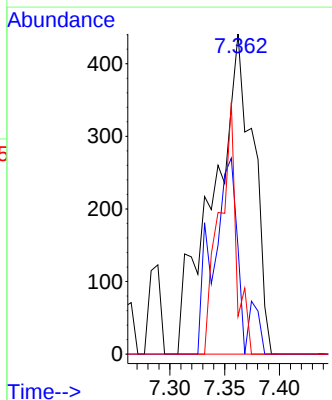
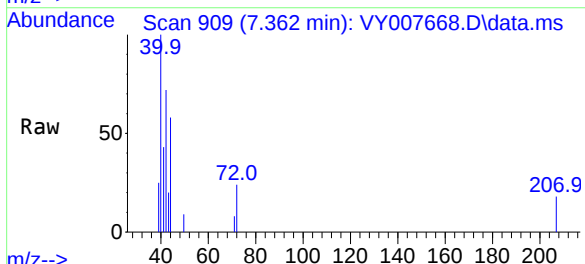
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 104.2 | 114.4 | 171.6# |
| 51  | 33.2  | 35.3  | 52.9#  |
| 86  | 60.9  | 53.7  | 80.5   |

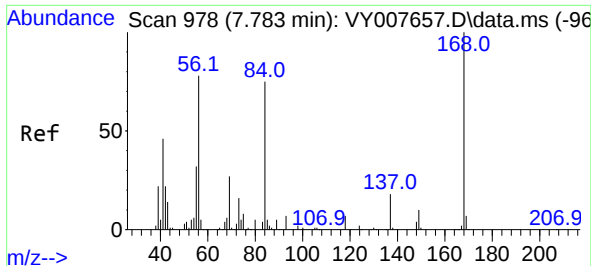


#29  
Tetrahydrofuran  
Concen: 1.576 ug/l  
RT: 7.362 min Scan# 909  
Delta R.T. 0.018 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

Tgt Ion: 42 Resp: 1107

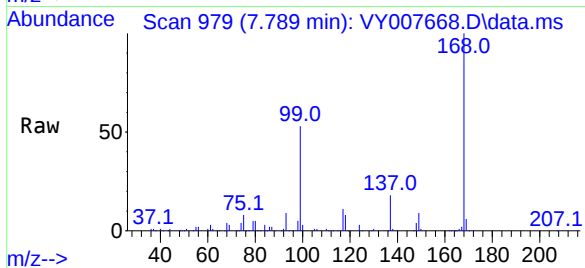
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 40.5  | 30.3  | 45.5  |
| 71  | 33.6  | 29.0  | 43.4  |



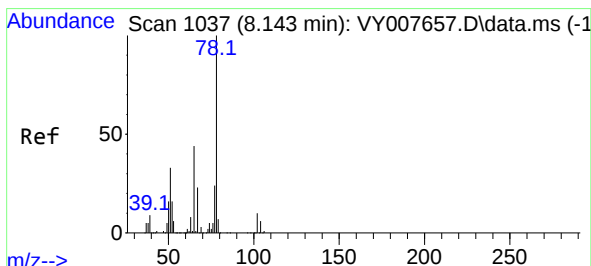
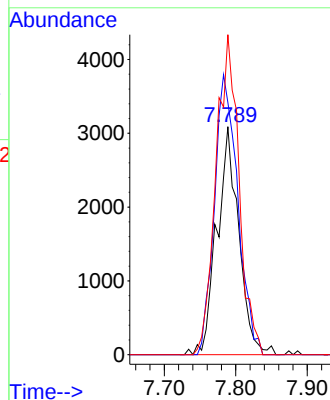
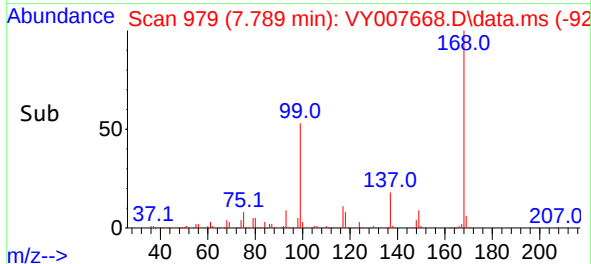


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

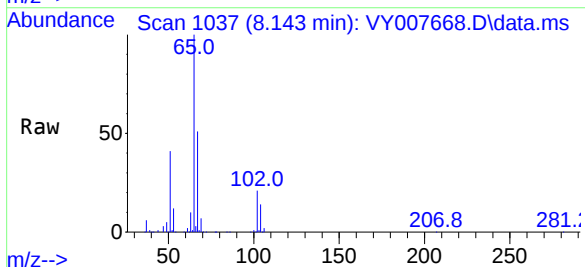
Instrument :  
MSVOA\_Y  
ClientSampleId :



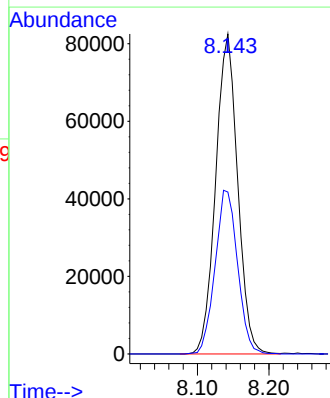
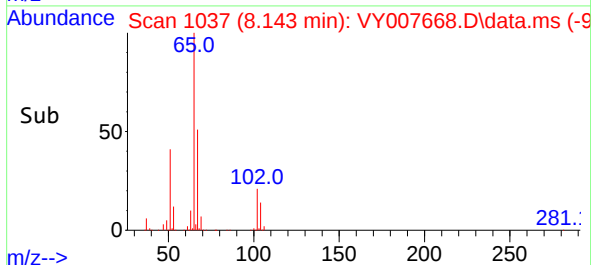
Tgt Ion: 56 Resp: 6576  
Ion Ratio Lower Upper  
56 100  
69 110.6 26.7 40.1#  
84 140.3 67.2 100.8#

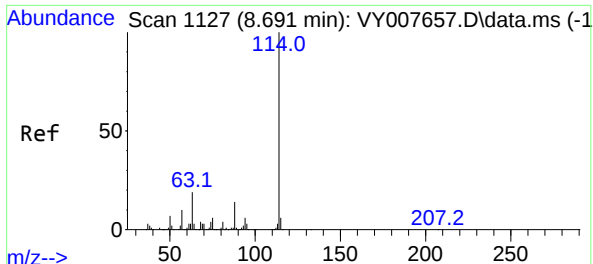


#33  
1,2-Dichloroethane-d4  
Concen: 58.478 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14



Tgt Ion: 65 Resp: 175921  
Ion Ratio Lower Upper  
65 100  
67 52.4 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: VY007668.D

Acq: 01 Mar 2022 15:14

Instrument :

MSVOA\_Y

ClientSampleId :

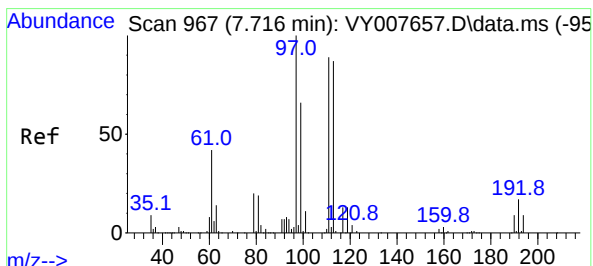
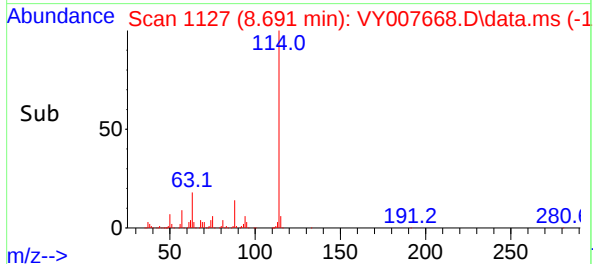
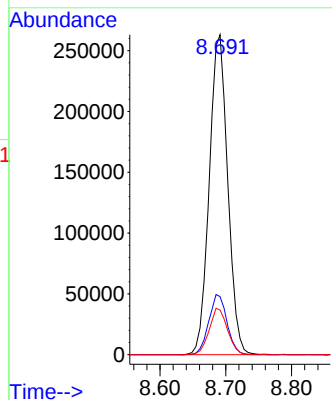
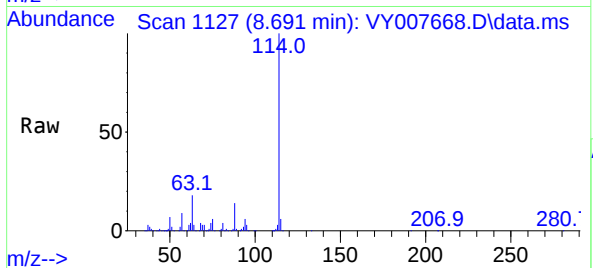
Tgt Ion:114 Resp: 513656

Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 14.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.829 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007668.D

Acq: 01 Mar 2022 15:14

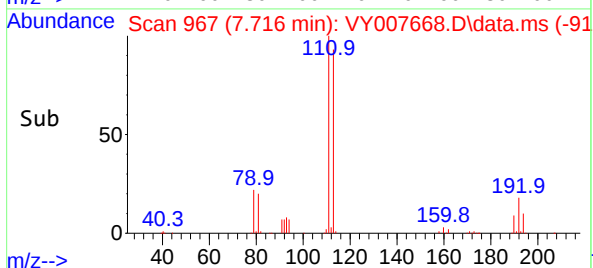
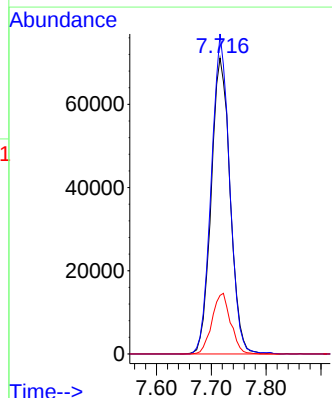
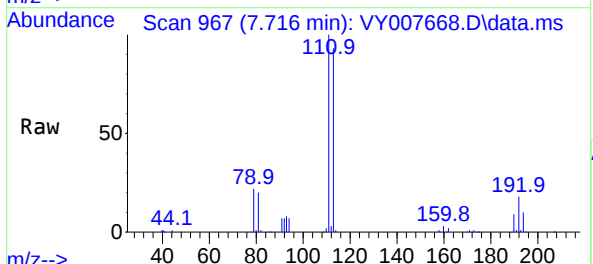
Tgt Ion:113 Resp: 170203

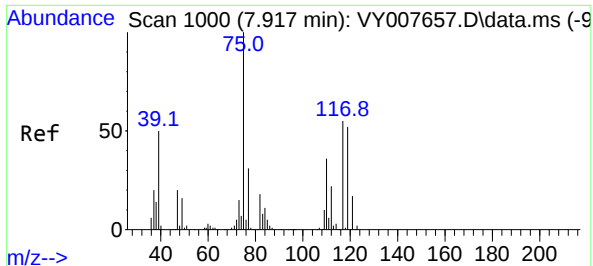
Ion Ratio Lower Upper

113 100

111 104.5 82.6 124.0

192 20.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.208 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007668.D

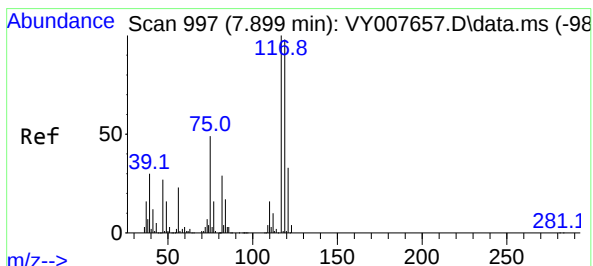
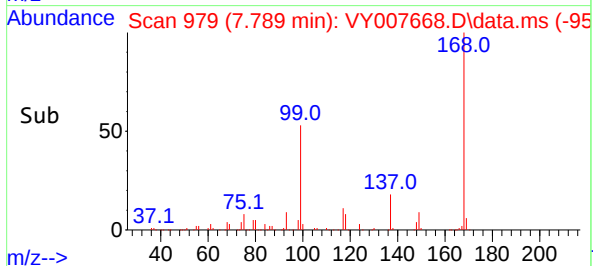
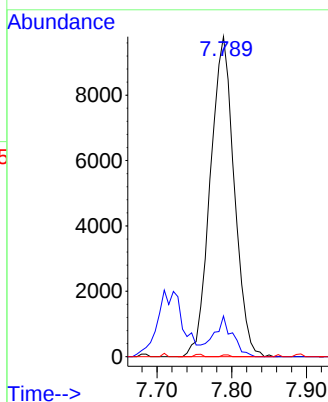
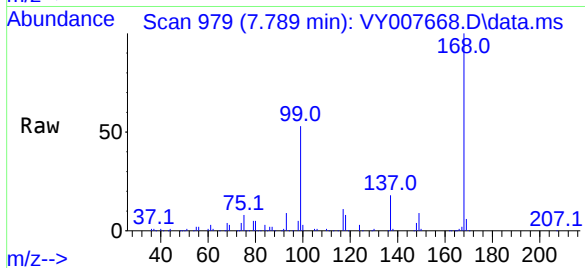
Acq: 01 Mar 2022 15:14

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 21736 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 10.0  | 17.1  | 51.2# |
| 77       | 0.2   | 24.4  | 36.6# |



#38

Carbon Tetrachloride

Concen: 5.343 ug/l

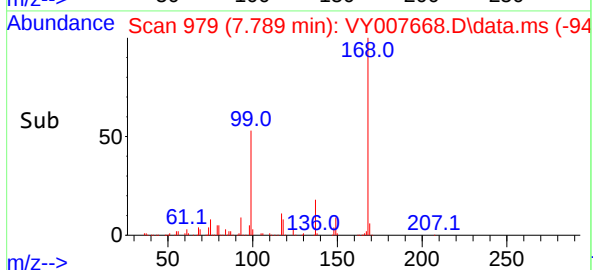
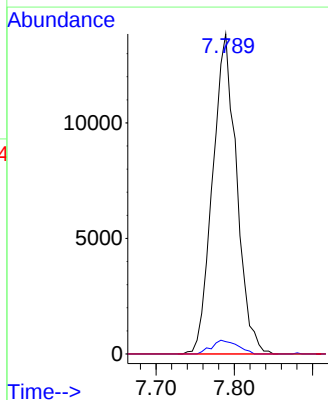
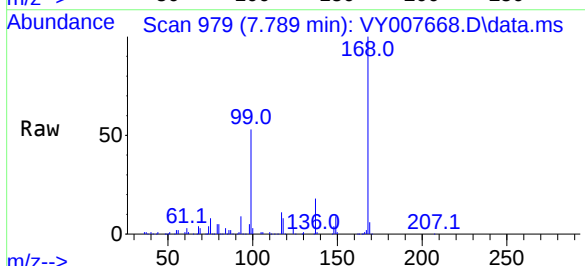
RT: 7.789 min Scan# 979

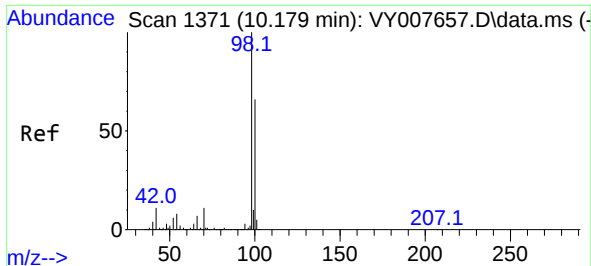
Delta R.T. -0.110 min

Lab File: VY007668.D

Acq: 01 Mar 2022 15:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 29446  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 3.8   | 77.9  | 116.9# |
| 121      | 0.0   | 24.8  | 37.2#  |

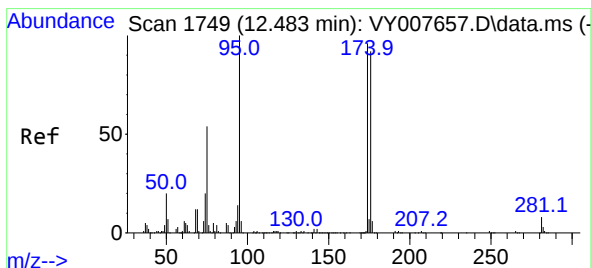
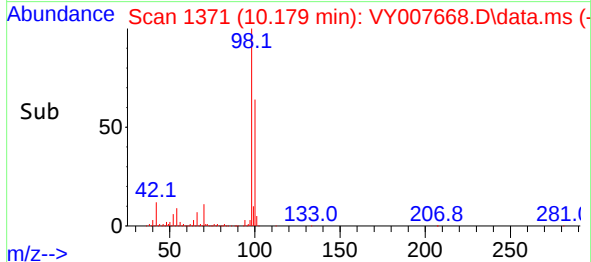
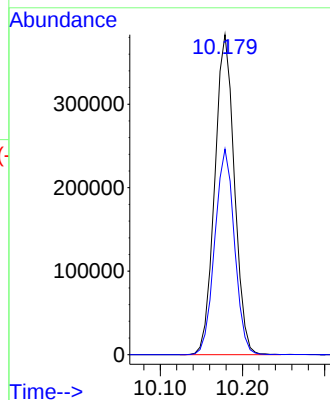
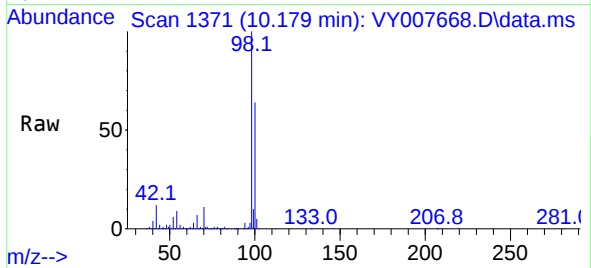




#50  
Toluene-d8  
Concen: 52.606 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

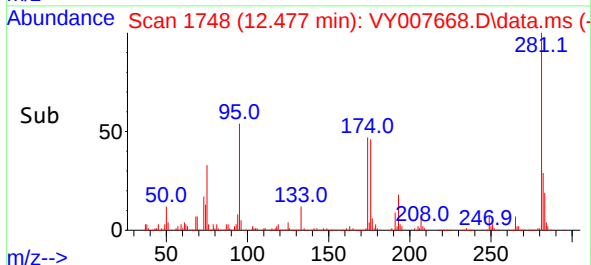
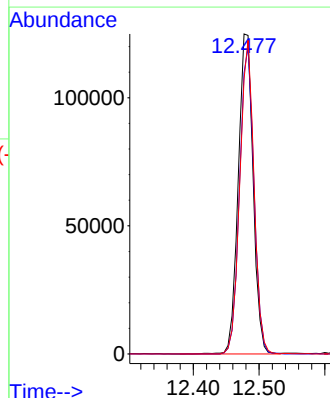
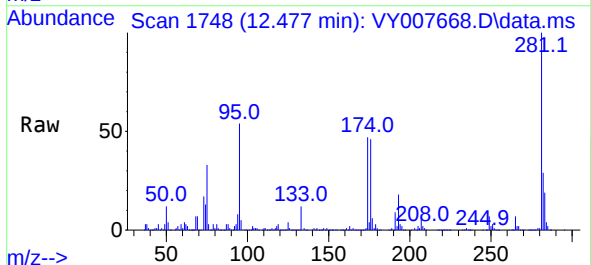
Instrument :  
MSVOA\_Y  
ClientSampleId :

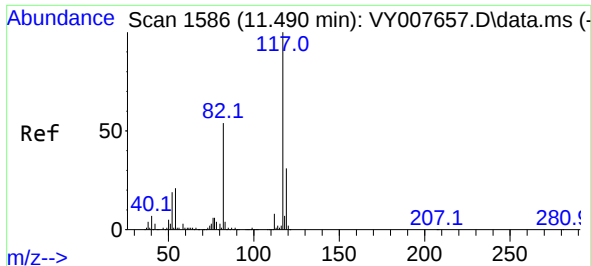
Tgt Ion: 98 Resp: 635930  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 50.356 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

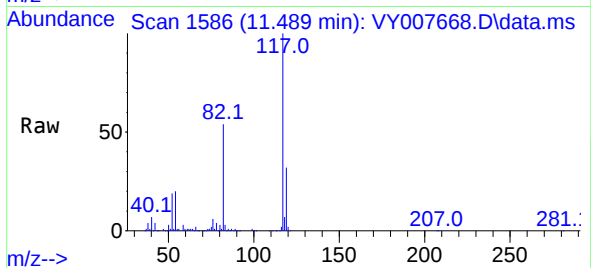
Tgt Ion: 95 Resp: 196220  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 177.0  
176 93.1 0.0 175.8



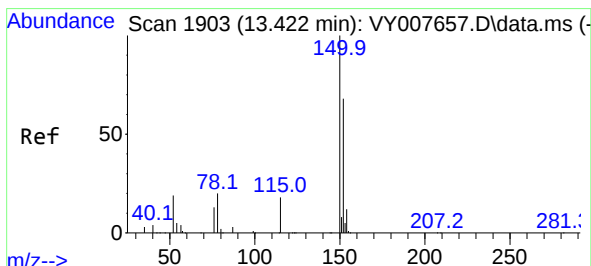
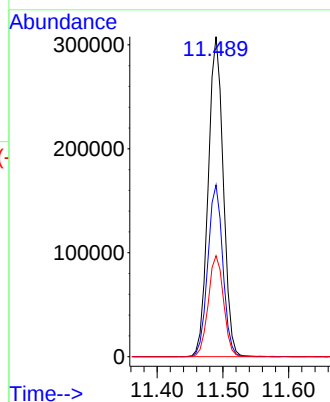
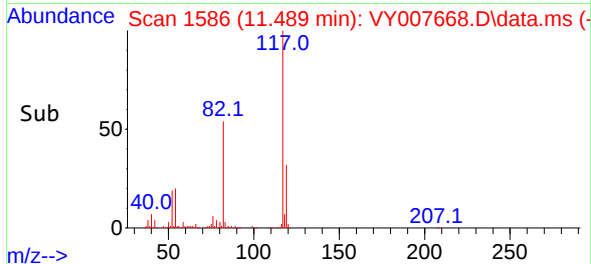


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

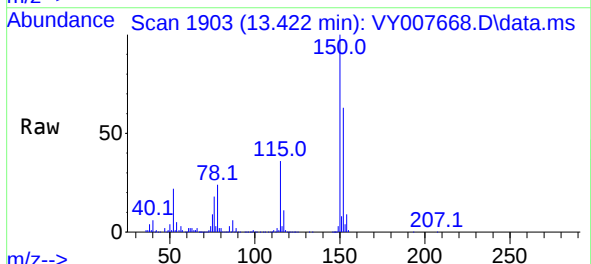
Instrument :  
MSVOA\_Y  
ClientSampleId :



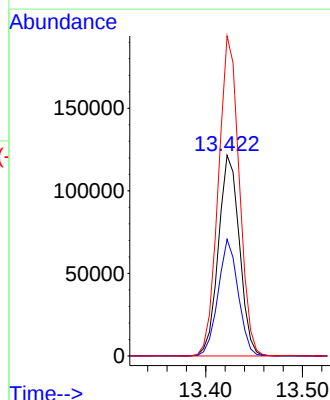
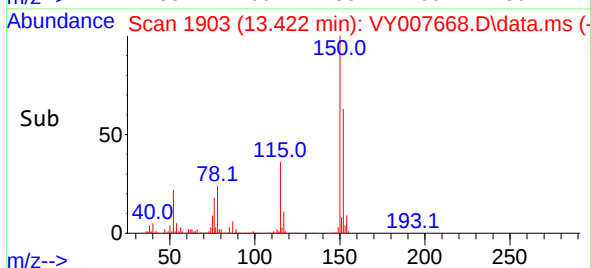
Tgt Ion:117 Resp: 490246  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.0 64.4  
119 31.6 25.4 38.0

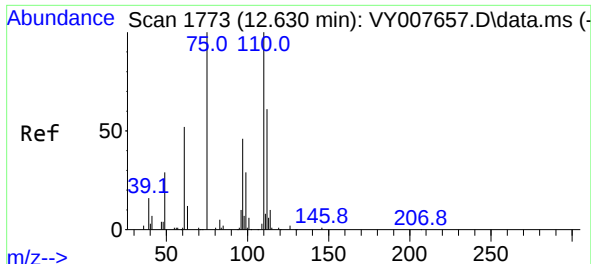


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14



Tgt Ion:152 Resp: 183116  
Ion Ratio Lower Upper  
152 100  
115 55.6 28.2 84.7  
150 158.4 0.0 347.6

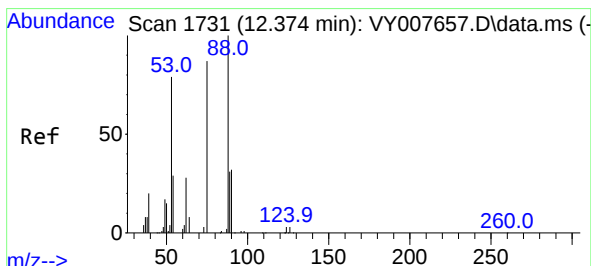
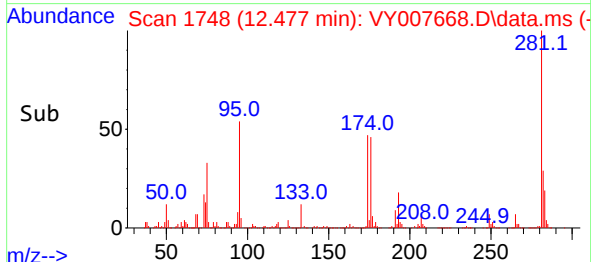
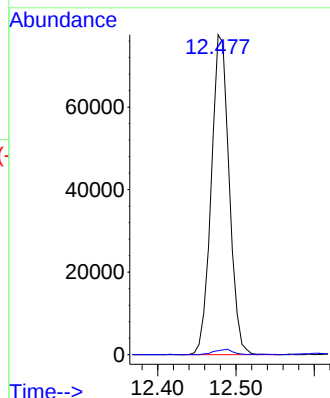
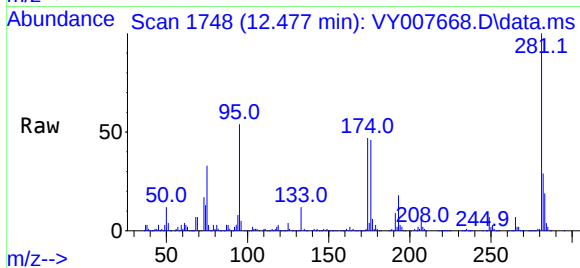




#76  
1,2,3-Trichloropropane  
Concen: 60.191 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 123089  
Ion Ratio Lower Upper  
75 100  
77 1.8 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 123.053 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.103 min  
Lab File: VY007668.D  
Acq: 01 Mar 2022 15:14

Tgt Ion: 75 Resp: 123089  
Ion Ratio Lower Upper  
75 100  
53 0.3 85.3 127.9#  
89 3.4 37.0 55.4#

