

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082621\  
 Data File : VY005866.D  
 Acq On : 26 Aug 2021 17:14  
 Operator : SY/MD  
 Sample : M3557-01  
 Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OK-02-082621

Quant Time: Aug 27 03:26:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

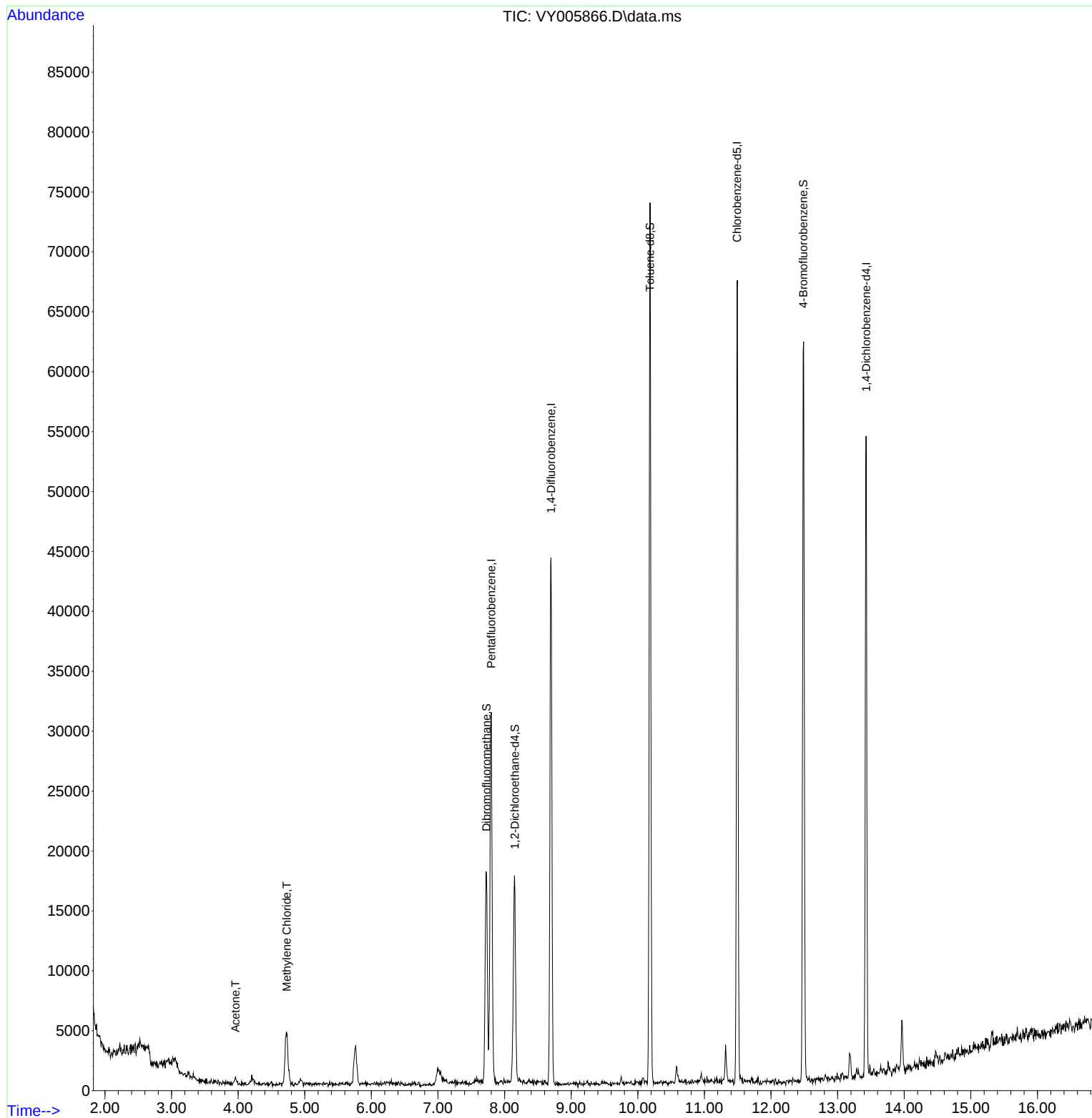
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 25955    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 38051    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 36981    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 14868    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 13880    | 52.830   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 105.660% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 12184    | 57.192   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 114.380% |
| 50) Toluene-d8              | 10.185 | 98    | 48384    | 54.153   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 108.300% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 13390    | 45.256   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 90.520%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 16) Acetone                 | 3.960  | 43    | 925      | 13.964   | ug/l  | 93       |
| 20) Methylene Chloride      | 4.729  | 84    | 3508     | 8.303    | ug/l  | 88       |
| -----                       |        |       |          |          |       |          |

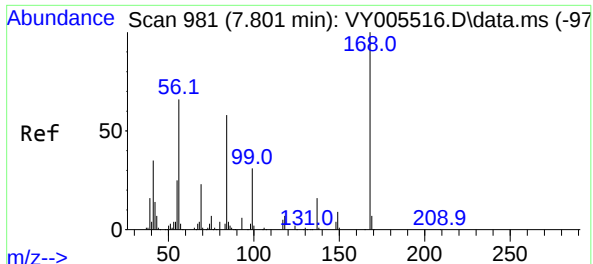
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082621\  
Data File : VY005866.D  
Acq On : 26 Aug 2021 17:14  
Operator : SY/MD  
Sample : M3557-01  
Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-082621

Quant Time: Aug 27 03:26:50 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

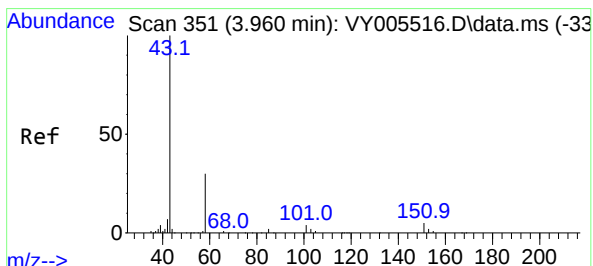
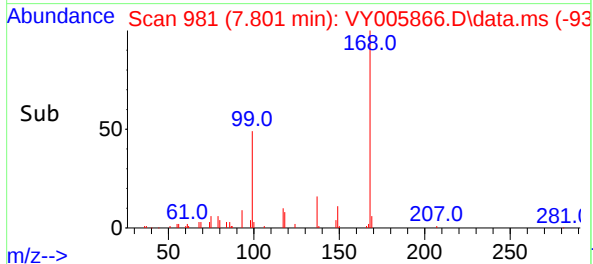
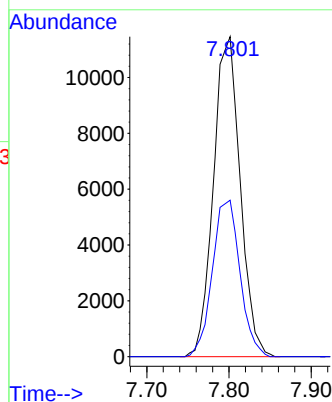
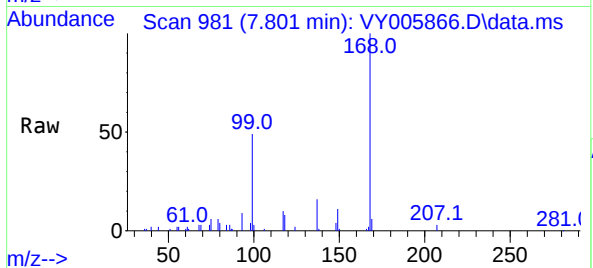




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005866.D  
Acq: 26 Aug 2021 17:14

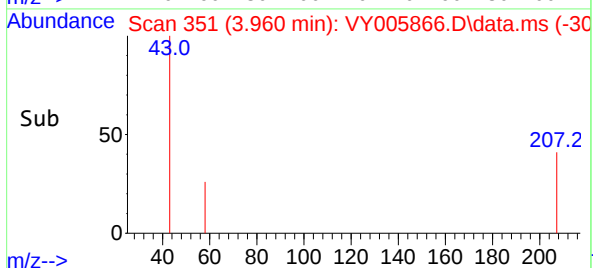
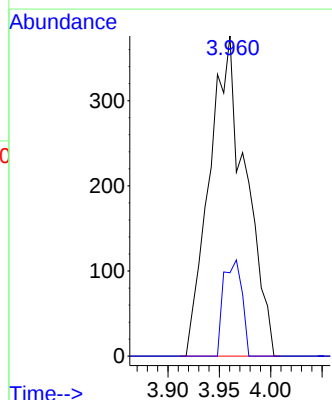
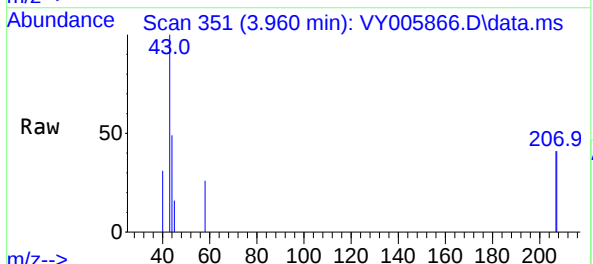
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-082621

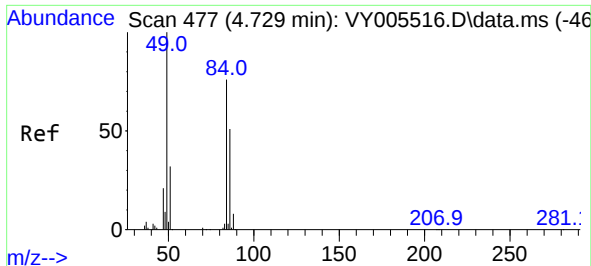
Tgt Ion:168 Resp: 25955  
Ion Ratio Lower Upper  
168 100  
99 48.9 38.9 58.3



#16  
Acetone  
Concen: 13.964 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005866.D  
Acq: 26 Aug 2021 17:14

Tgt Ion: 43 Resp: 925  
Ion Ratio Lower Upper  
43 100  
58 26.1 23.8 35.6



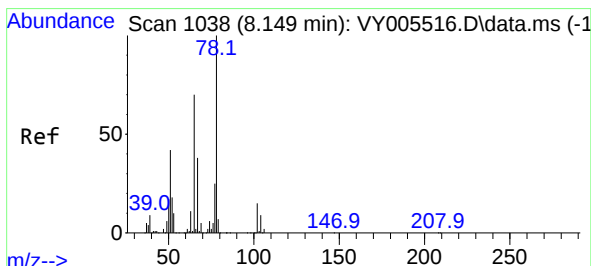
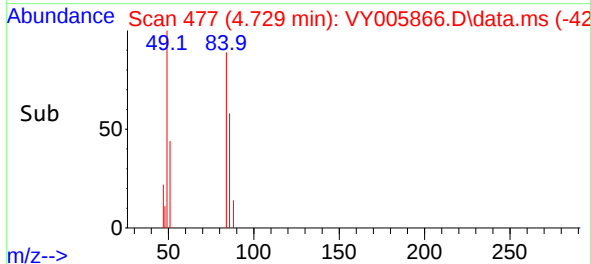
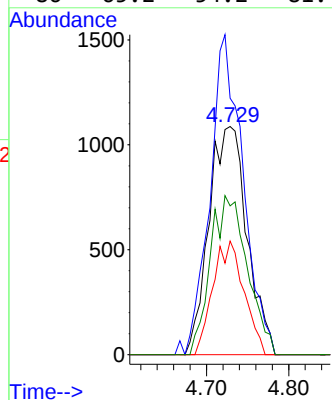
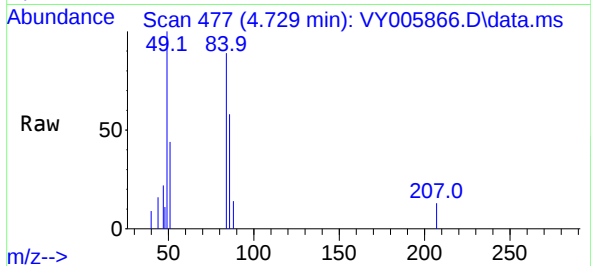


#20  
Methylene Chloride  
Concen: 8.303 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. -0.000 min  
Lab File: VY005866.D  
Acq: 26 Aug 2021 17:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-082621

Tgt Ion: 84 Resp: 3508

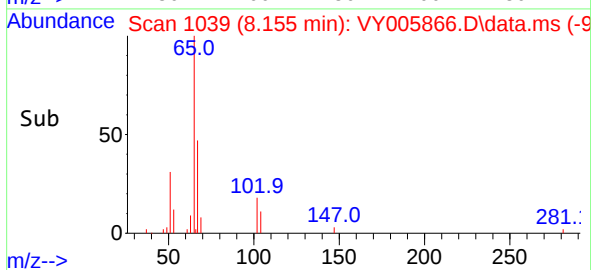
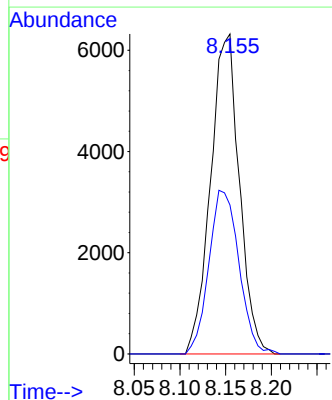
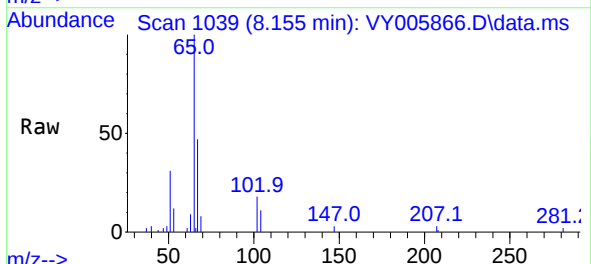
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 112.4 | 105.8 | 158.6 |
| 51  | 49.8  | 33.4  | 50.2  |
| 86  | 65.2  | 54.2  | 81.4  |

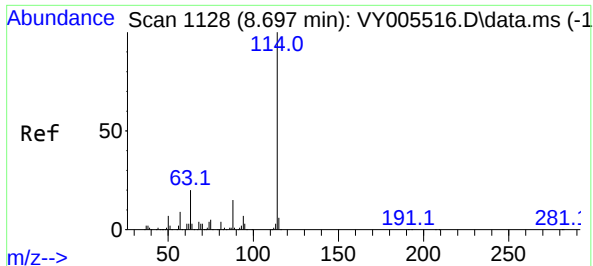


#33  
1,2-Dichloroethane-d4  
Concen: 52.830 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY005866.D  
Acq: 26 Aug 2021 17:14

Tgt Ion: 65 Resp: 13880

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 53.3  | 0.0   | 103.4 |

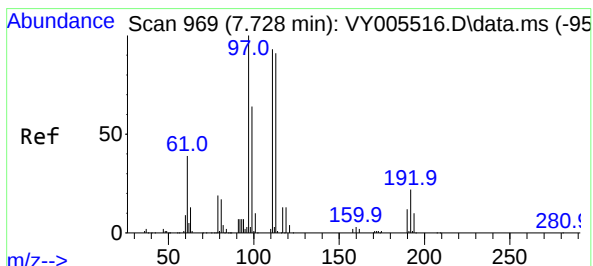
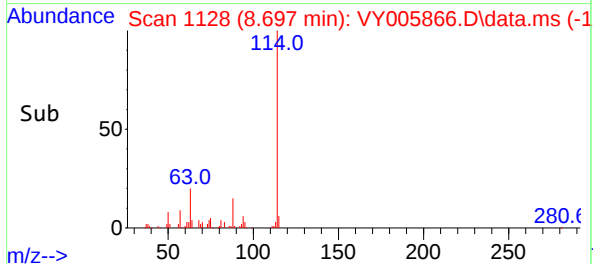
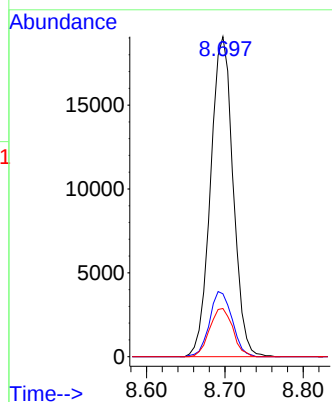
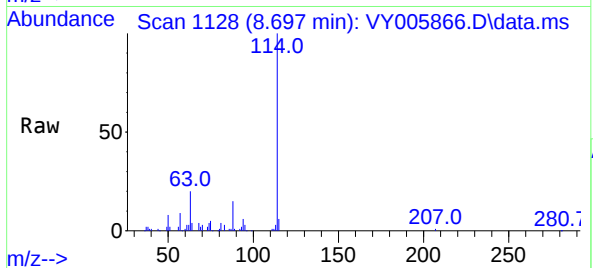




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005866.D  
Acq: 26 Aug 2021 17:14

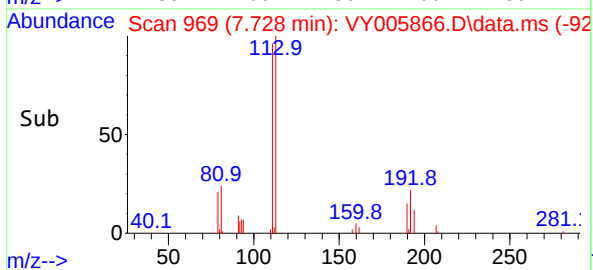
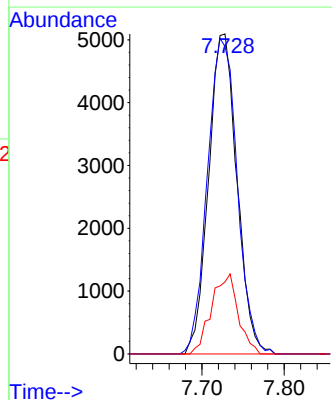
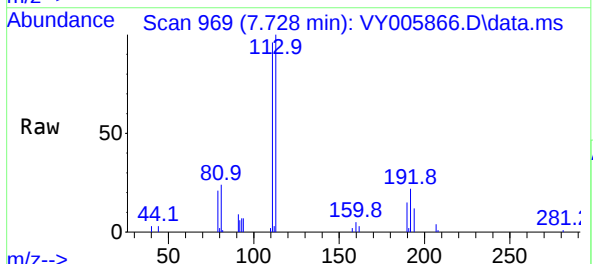
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-082621

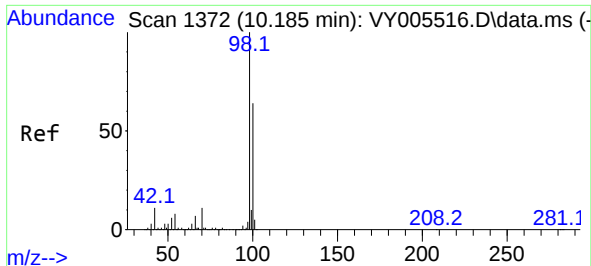
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 38051 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 19.6  | 0.0   | 39.2  |
| 88       | 15.1  | 0.0   | 30.8  |



#35  
Dibromofluoromethane  
Concen: 57.192 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005866.D  
Acq: 26 Aug 2021 17:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 12184 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.7 | 81.9  | 122.9 |
| 192      | 23.5  | 19.2  | 28.8  |

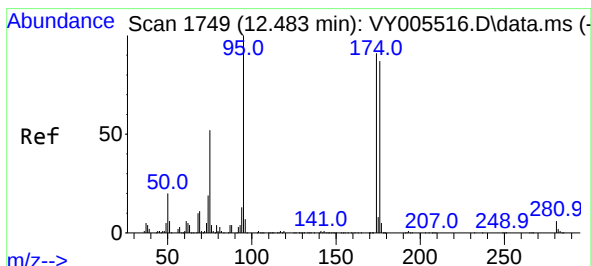
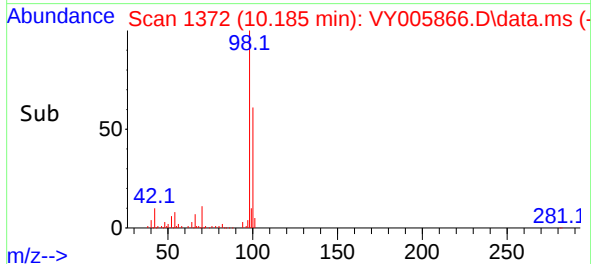
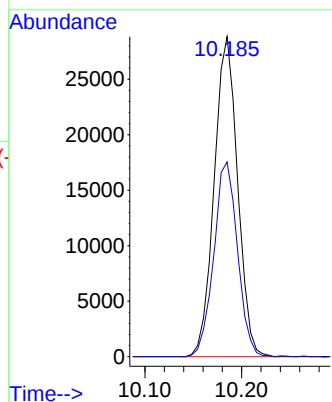
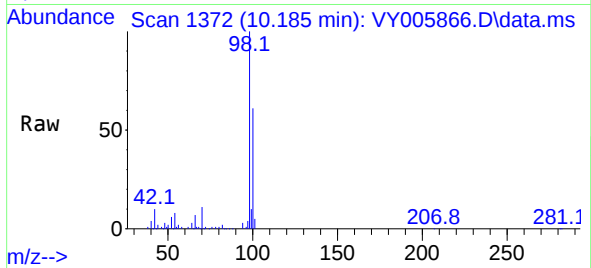




#50  
Toluene-d8  
Concen: 54.153 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005866.D  
Acq: 26 Aug 2021 17:14

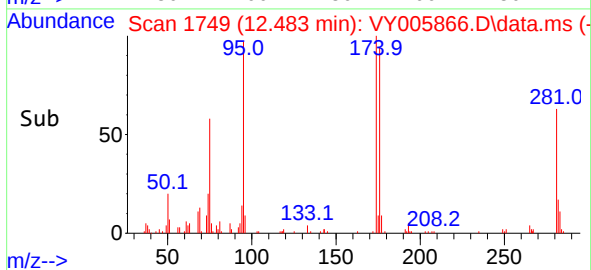
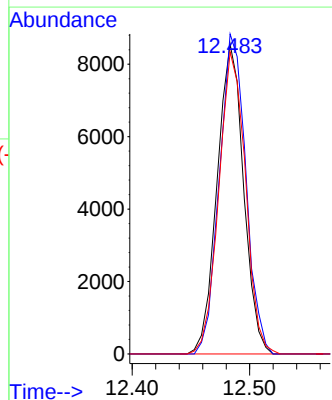
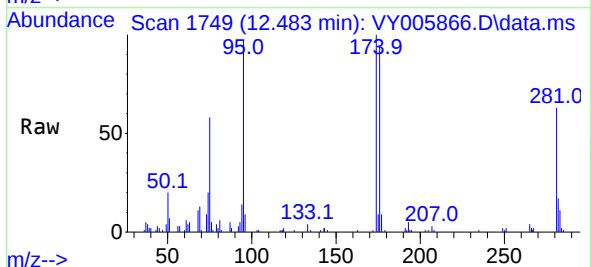
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-082621

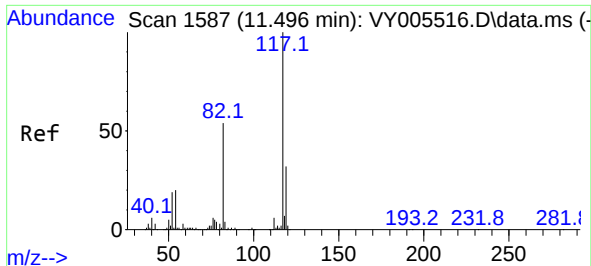
Tgt Ion: 98 Resp: 48384  
Ion Ratio Lower Upper  
98 100  
100 61.5 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 45.256 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005866.D  
Acq: 26 Aug 2021 17:14

Tgt Ion: 95 Resp: 13390  
Ion Ratio Lower Upper  
95 100  
174 103.2 0.0 191.4  
176 97.8 0.0 183.6

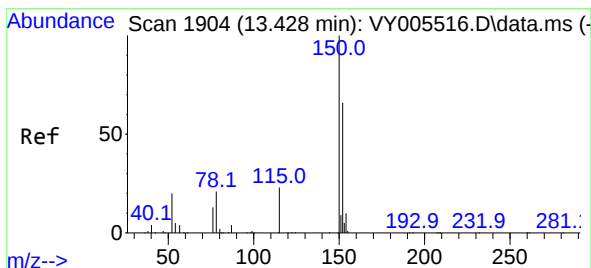
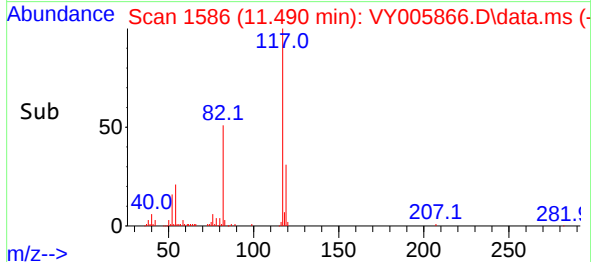
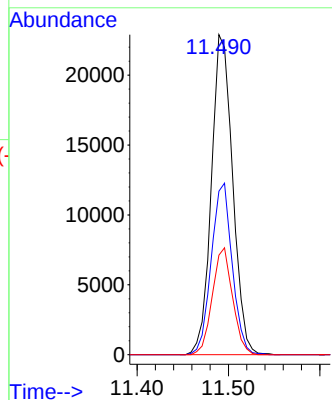
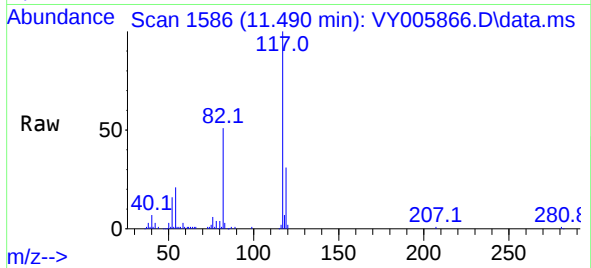




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY005866.D  
Acq: 26 Aug 2021 17:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-082621

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 36981 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 51.1  | 43.5  | 65.3  |
| 119      | 31.1  | 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: VY005866.D  
Acq: 26 Aug 2021 17:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 14868 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 53.4  | 27.3  | 81.9  |
| 150      | 156.1 | 0.0   | 350.2 |

