

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081523\  
 Data File : VY015128.D  
 Acq On : 16 Aug 2023 01:42  
 Operator : SY/MD  
 Sample : 03973-03RE  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-02-16.5-17.0RE

Quant Time: Aug 16 04:26:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 14 12:43:26 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 12818    | 50.000   | ug/l       | 0.01     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 21685    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 21257    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 9660     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.148  | 65    | 8237     | 53.533   | ug/l       | 0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 107.060% |          |
| 35) Dibromofluoromethane    | 7.715  | 113   | 6393     | 45.826   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 91.660%  |          |
| 50) Toluene-d8              | 10.185 | 98    | 25241    | 48.603   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 97.200%  |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 9194     | 48.471   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 96.940%  |          |

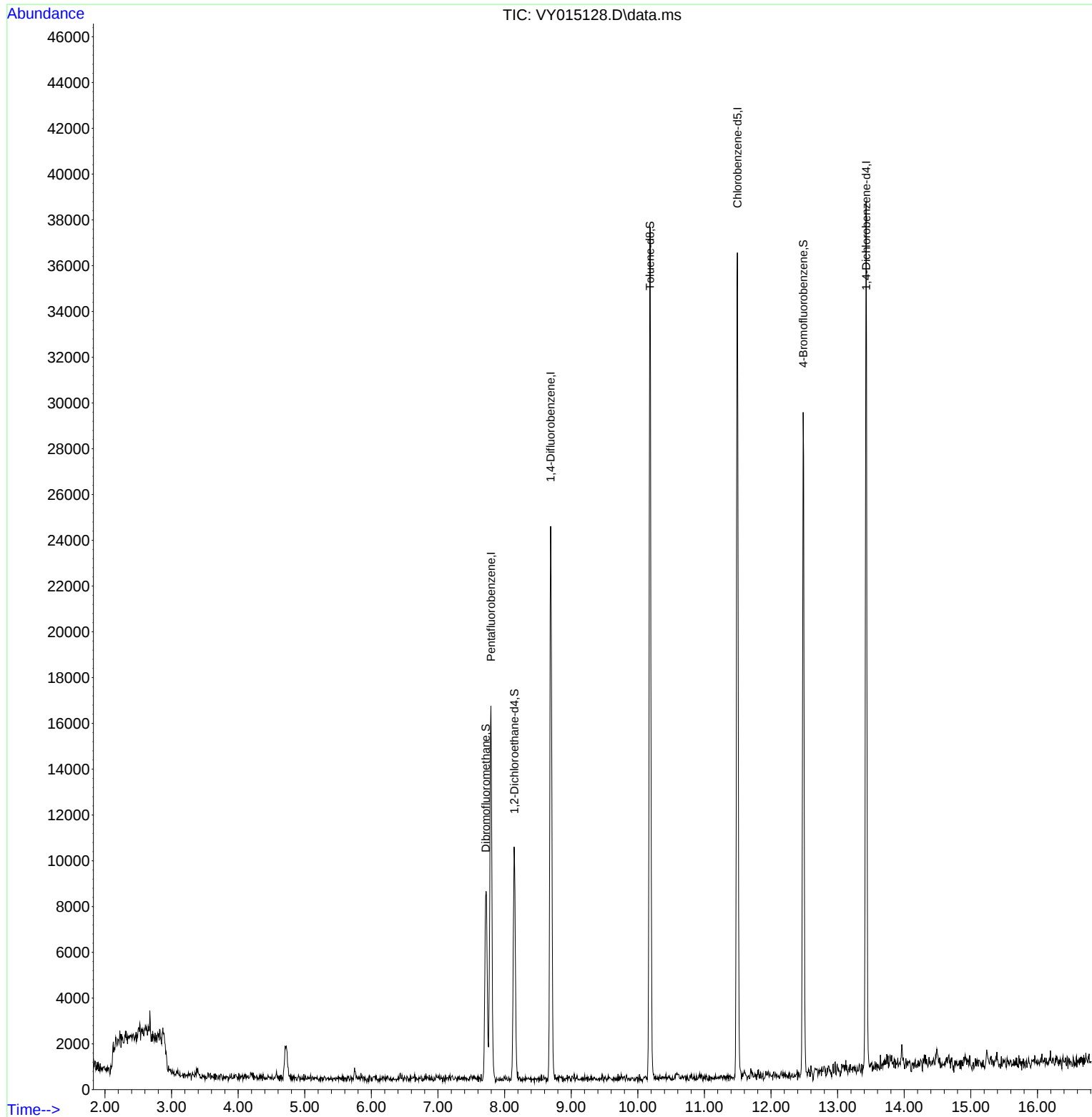
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

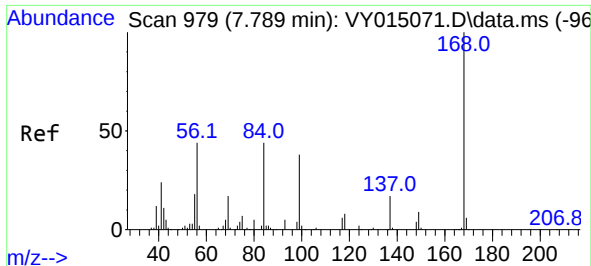
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 14 12:43:26 2023  
Response via : Initial Calibration

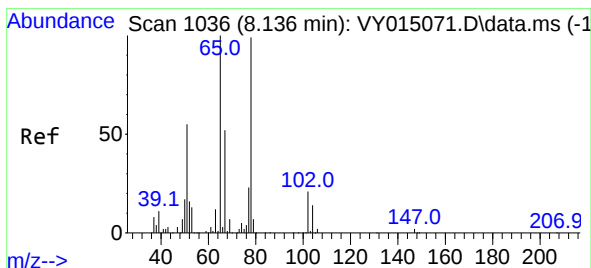
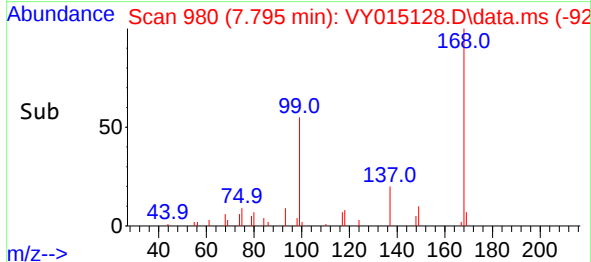
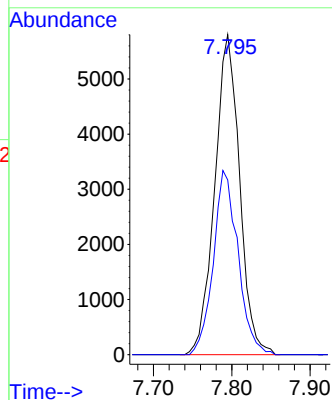
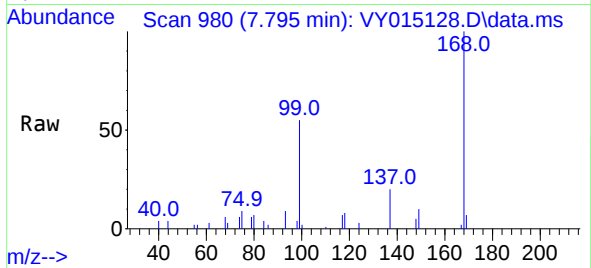




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY015128.D  
Acq: 16 Aug 2023 01:42

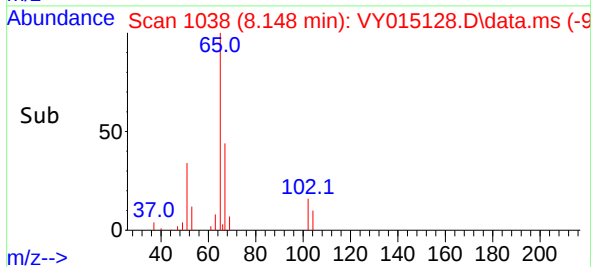
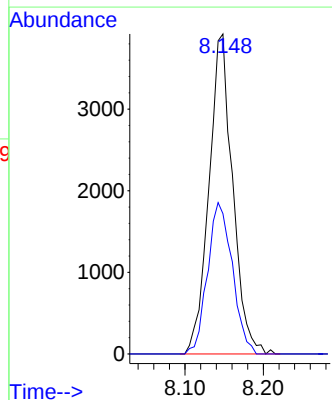
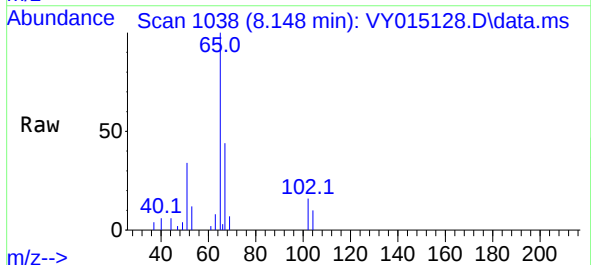
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-16.5-17.0RE

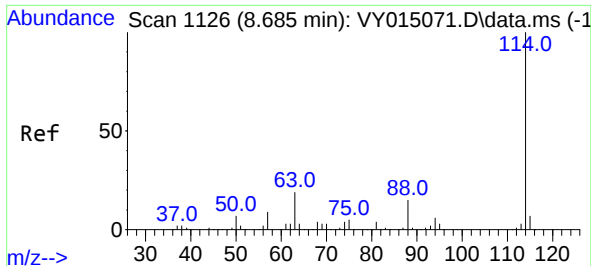
Tgt Ion:168 Resp: 12818  
Ion Ratio Lower Upper  
168 100  
99 54.6 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.533 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. 0.012 min  
Lab File: VY015128.D  
Acq: 16 Aug 2023 01:42

Tgt Ion: 65 Resp: 8237  
Ion Ratio Lower Upper  
65 100  
67 49.4 0.0 101.8



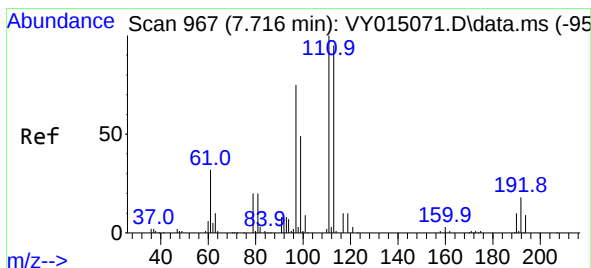
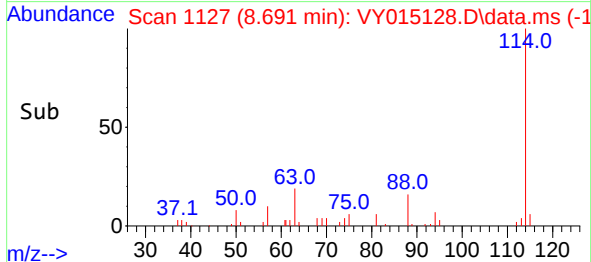
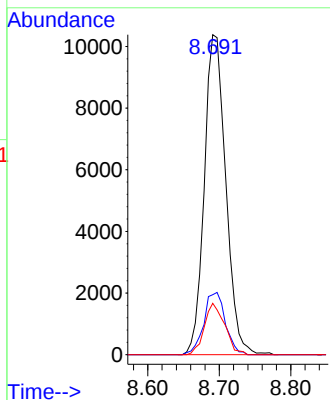
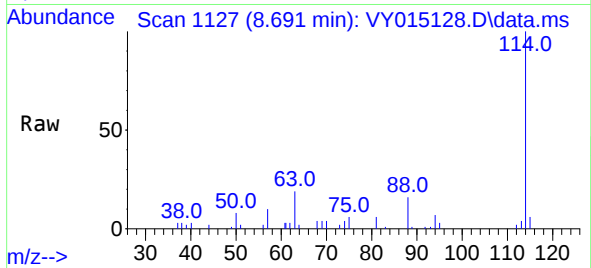


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VY015128.D  
Acq: 16 Aug 2023 01:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-16.5-17.0RE

Tgt Ion:114 Resp: 21685

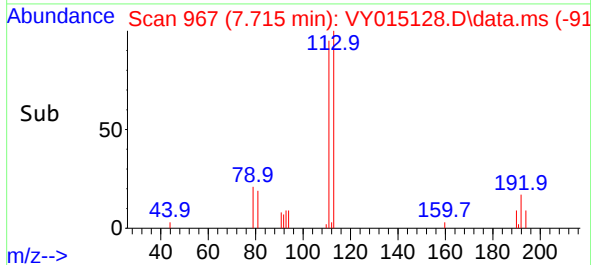
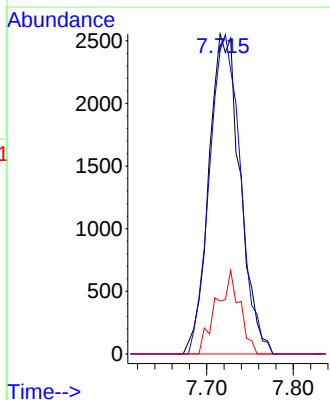
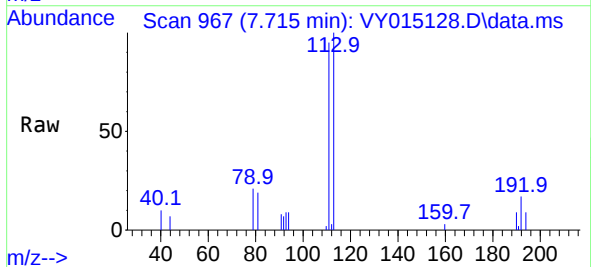
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 18.8  | 0.0   | 42.4  |
| 88  | 16.1  | 0.0   | 30.6  |

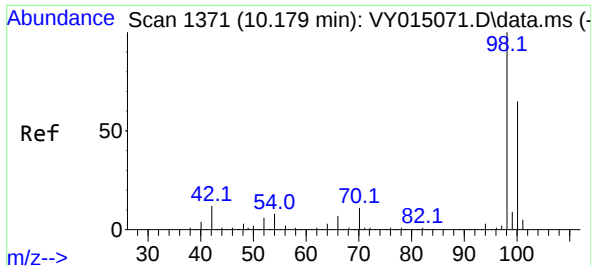


#35  
Dibromofluoromethane  
Concen: 45.826 ug/l  
RT: 7.715 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY015128.D  
Acq: 16 Aug 2023 01:42

Tgt Ion:113 Resp: 6393

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 98.9  | 81.3  | 121.9 |
| 192 | 19.4  | 16.9  | 25.3  |

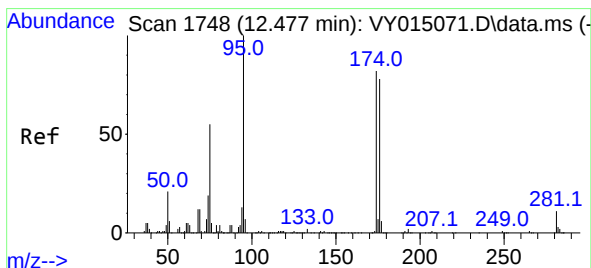
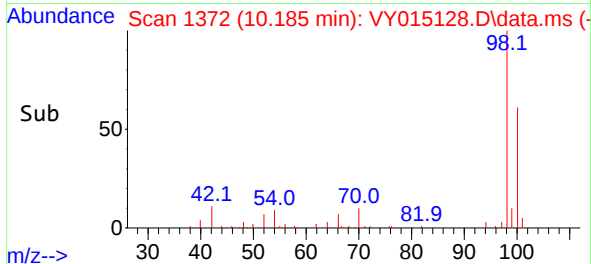
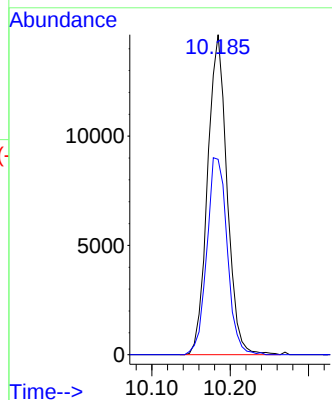
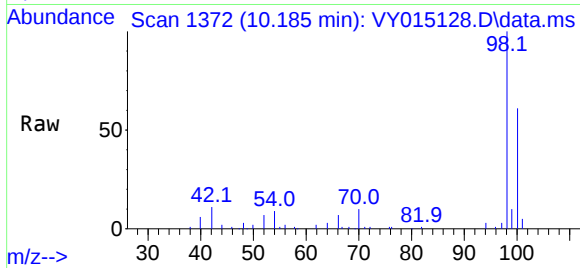




#50  
Toluene-d8  
Concen: 48.603 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY015128.D  
Acq: 16 Aug 2023 01:42

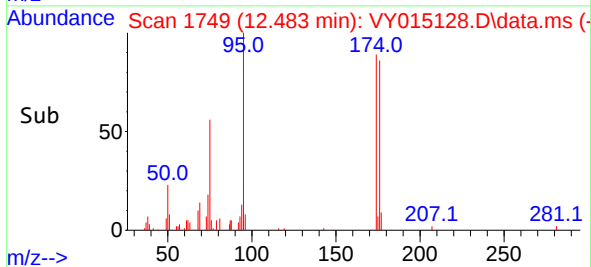
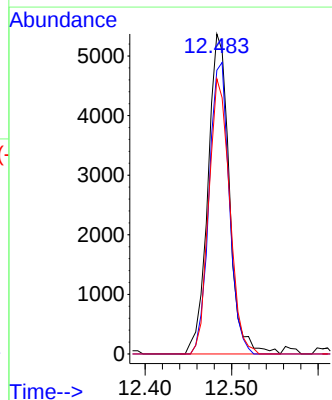
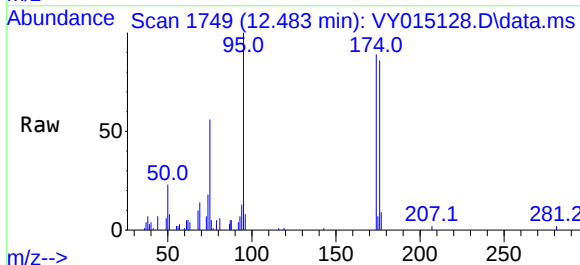
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-16.5-17.0RE

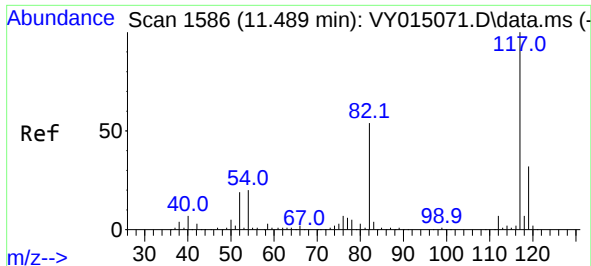
Tgt Ion: 98 Resp: 25241  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 48.471 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY015128.D  
Acq: 16 Aug 2023 01:42

Tgt Ion: 95 Resp: 9194  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 178.2  
176 83.8 0.0 173.8

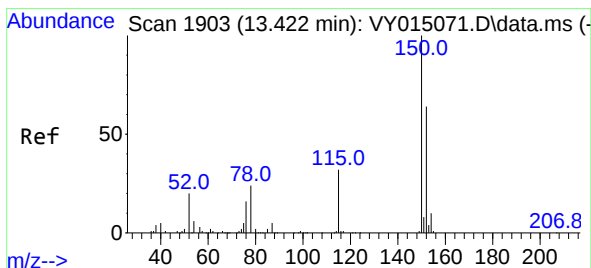
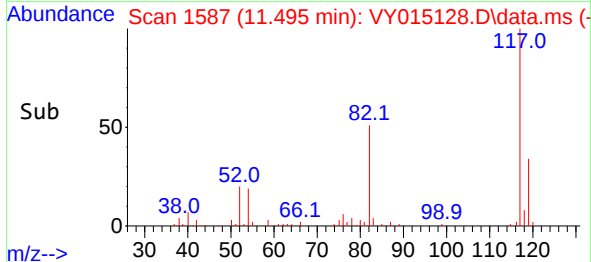
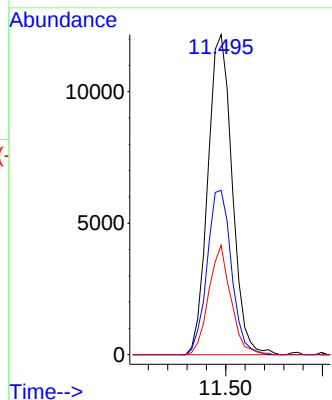
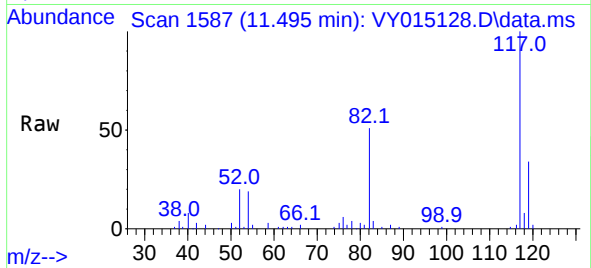




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY015128.D  
Acq: 16 Aug 2023 01:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-16.5-17.0RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 21257 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 51.4  | 43.4  | 65.0  |
| 119      | 34.2  | 26.3  | 39.5  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY015128.D  
Acq: 16 Aug 2023 01:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 9660  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 57.0  | 28.8  | 86.5  |
| 150      | 159.7 | 0.0   | 348.8 |

