

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012422\  
 Data File : VY007275.D  
 Acq On : 24 Jan 2022 17:45  
 Operator : SY/MD  
 Sample : N1245-02  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1(4-4.5)

Quant Time: Jan 25 00:34:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 14 05:48:29 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 3420     | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 6475     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 5665     | 50.000   | ug/l       | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 2238     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 2337     | 55.691   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 111.380% |          |
| 35) Dibromofluoromethane    | 7.722  | 113   | 2166     | 49.471   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 98.940%  |          |
| 50) Toluene-d8              | 10.185 | 98    | 7600     | 47.506   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 95.020%  |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 2559     | 44.968   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 89.940%  |          |

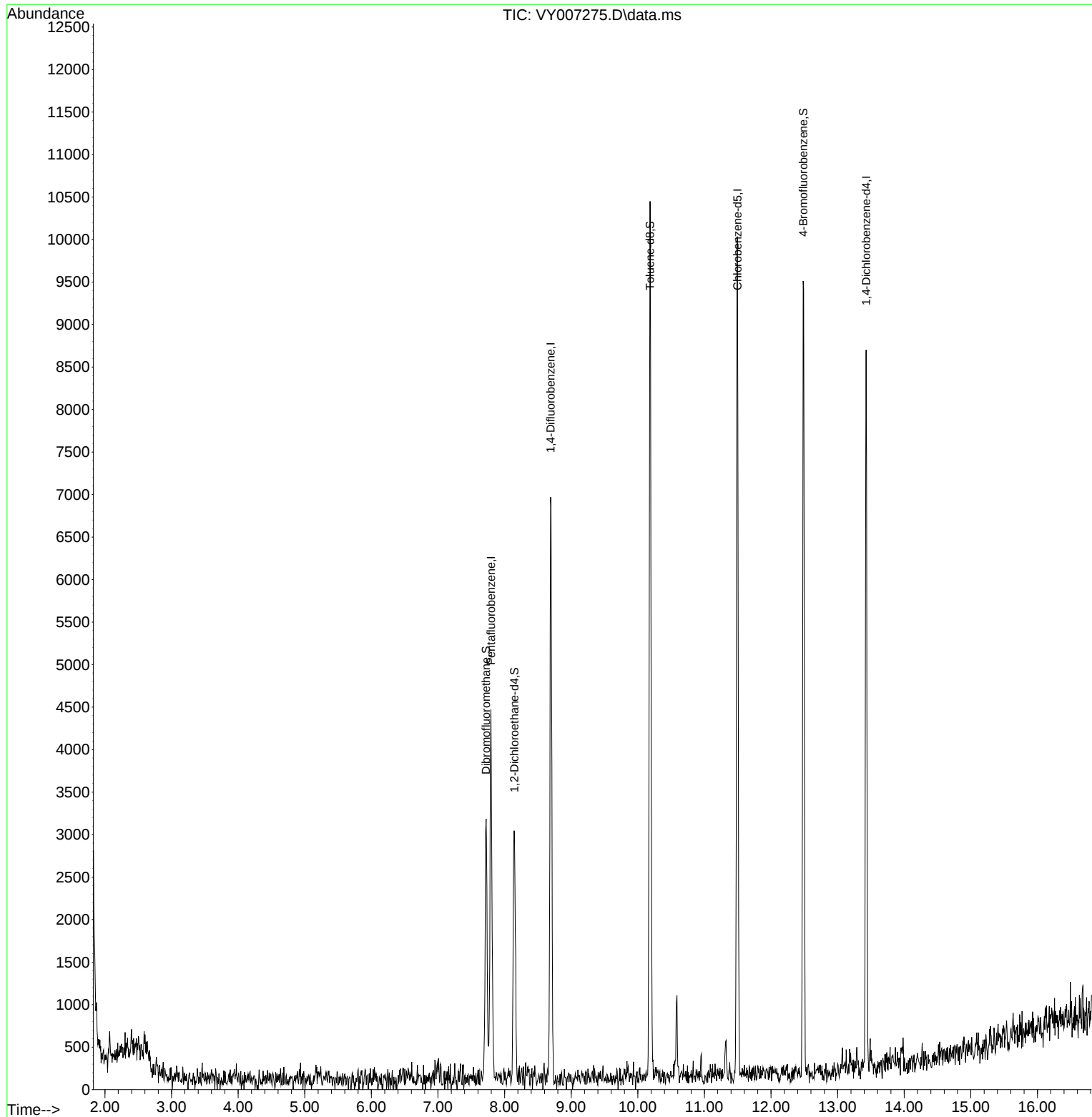
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

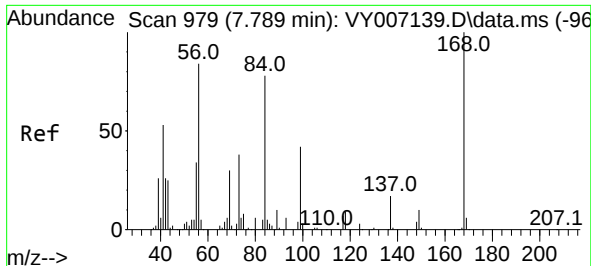
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-1(4-4.5)

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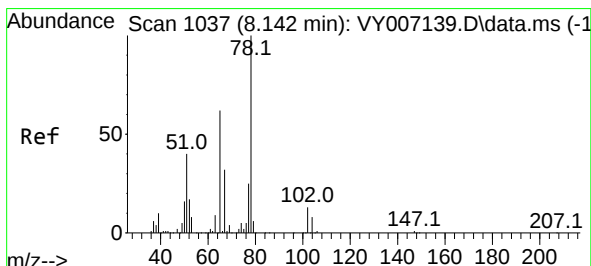
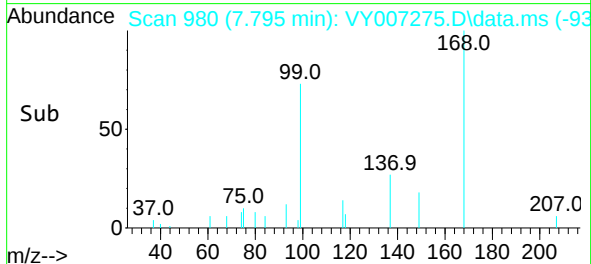
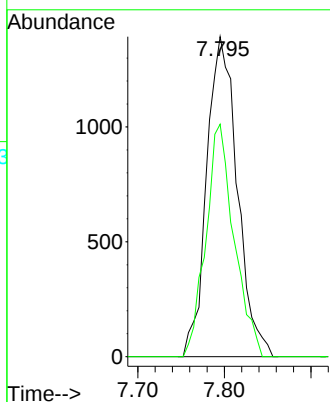
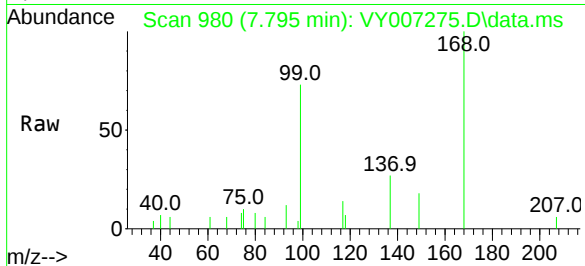




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007275.D  
Acq: 24 Jan 2022 17:45

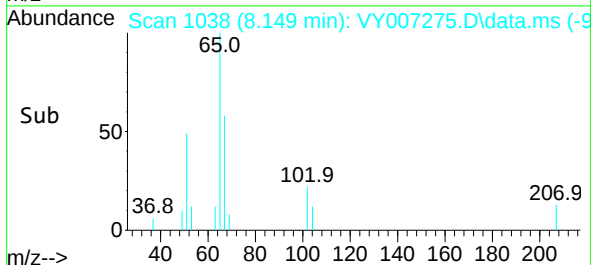
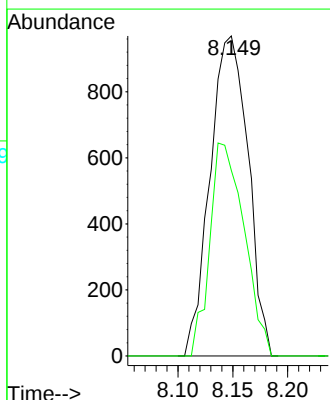
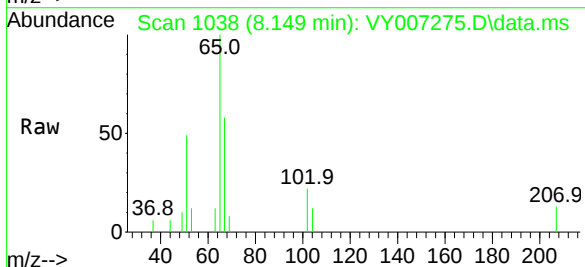
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1(4-4.5)

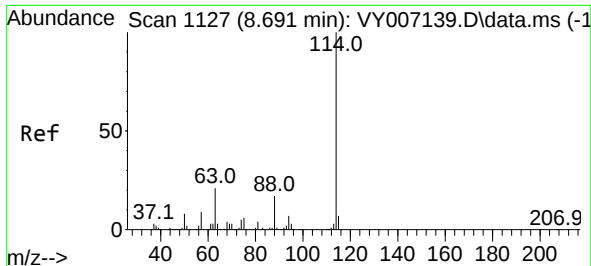
Tgt Ion:168 Resp: 3420  
Ion Ratio Lower Upper  
168 100  
99 72.6 49.1 73.7



#33  
1,2-Dichloroethane-d4  
Concen: 55.691 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.007 min  
Lab File: VY007275.D  
Acq: 24 Jan 2022 17:45

Tgt Ion: 65 Resp: 2337  
Ion Ratio Lower Upper  
65 100  
67 60.2 0.0 105.6

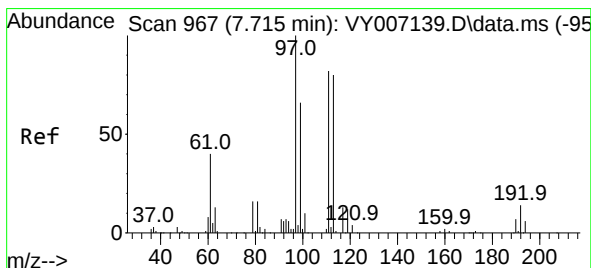
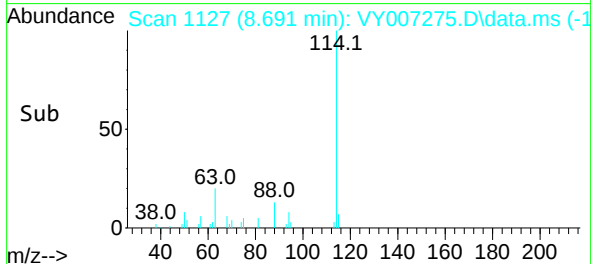
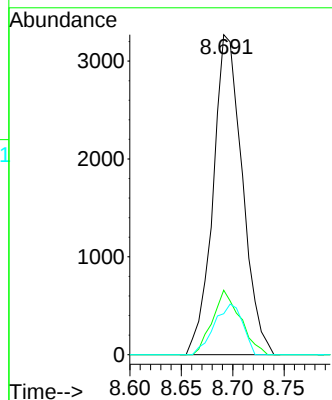
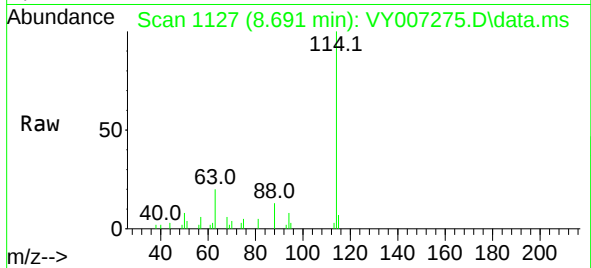




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY007275.D  
Acq: 24 Jan 2022 17:45

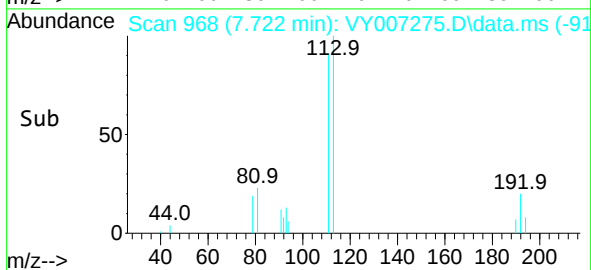
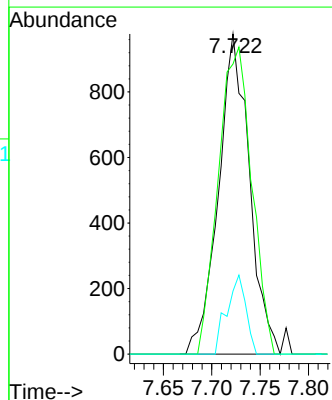
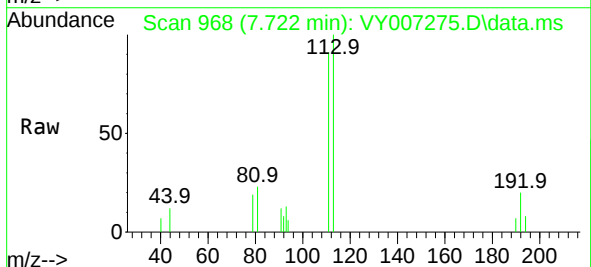
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1(4-4.5)

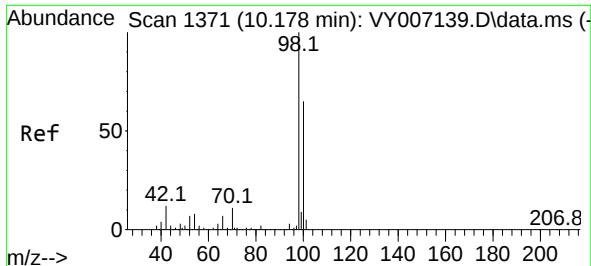
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 6475        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 20.2  | 0.0 39.2    |
| 88          | 12.8  | 0.0 31.0    |



#35  
Dibromofluoromethane  
Concen: 49.471 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.007 min  
Lab File: VY007275.D  
Acq: 24 Jan 2022 17:45

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 2166        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 104.2 | 82.2 123.4  |
| 192         | 15.2  | 14.2 21.4   |

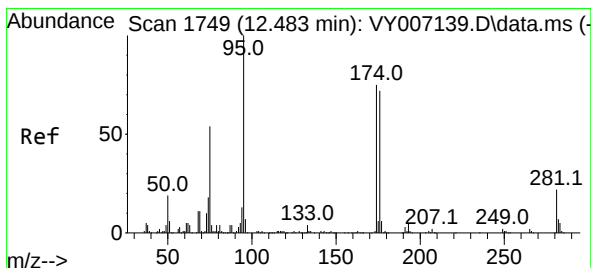
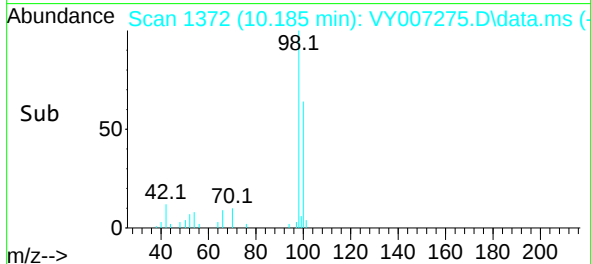
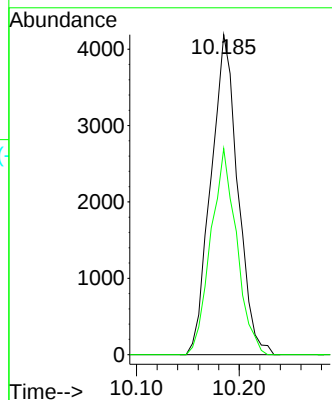
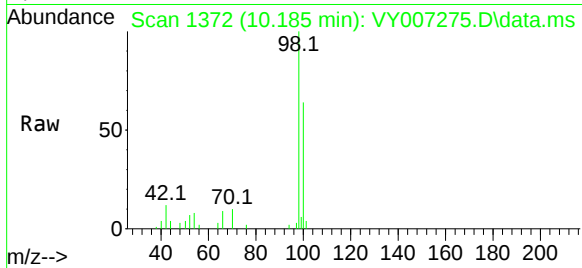




#50  
Toluene-d8  
Concen: 47.506 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY007275.D  
Acq: 24 Jan 2022 17:45

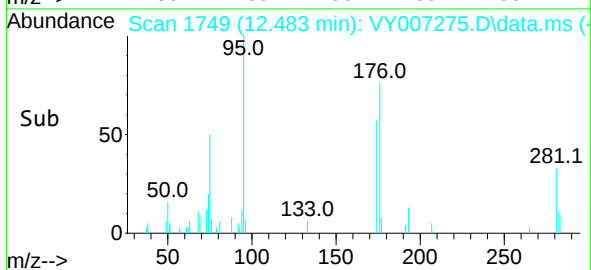
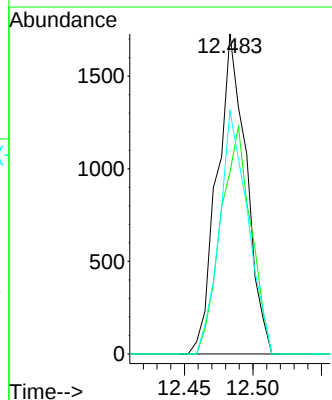
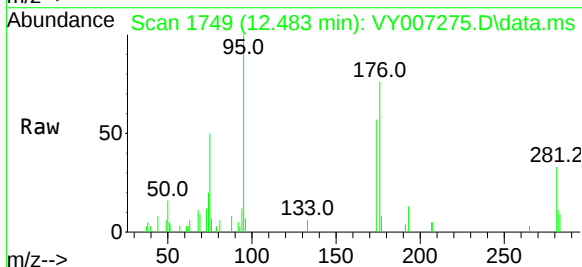
Instrument :  
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SB-1(4-4.5)

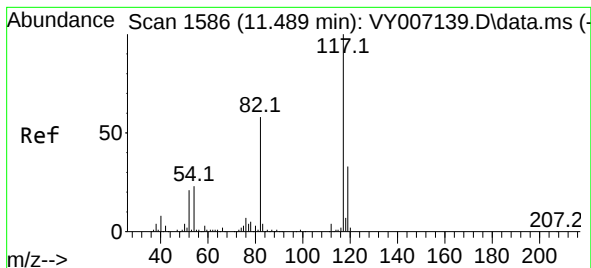
Tgt Ion: 98 Resp: 7600  
Ion Ratio Lower Upper  
98 100  
100 62.0 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 44.968 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY007275.D  
Acq: 24 Jan 2022 17:45

Tgt Ion: 95 Resp: 2559  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 148.4  
176 73.9 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY007275.D

Acq: 24 Jan 2022 17:45

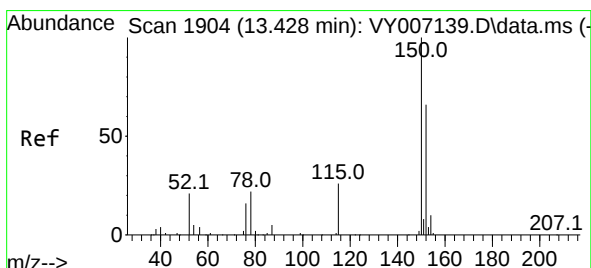
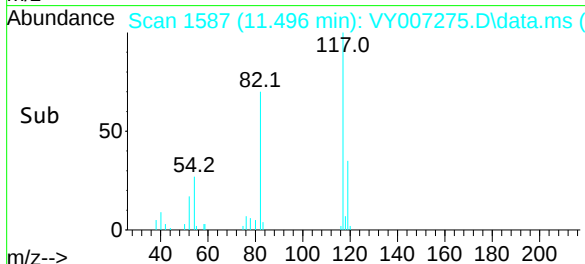
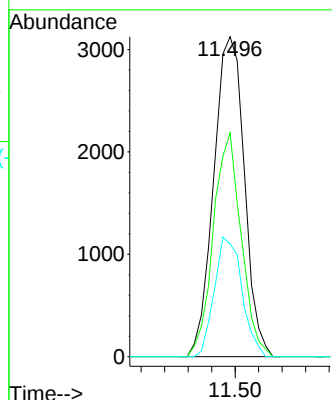
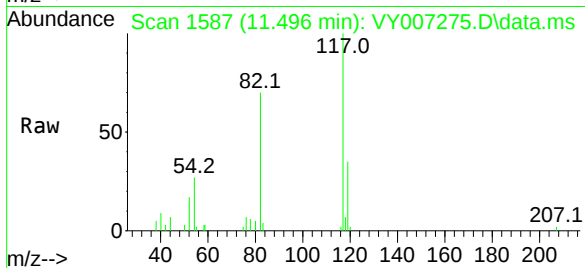
Instrument :

MSVOA\_Y

ClientSampleId :

SB-1(4-4.5)

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 5665        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 69.9  | 45.4 68.0#  |
| 119         | 35.2  | 26.4 39.6   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007275.D

Acq: 24 Jan 2022 17:45

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 2238        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 58.2  | 31.4 94.0   |
| 150         | 155.6 | 0.0 348.4   |

