

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102621\  
 Data File : VY006485.D  
 Acq On : 26 Oct 2021 16:47  
 Operator : SY/MD  
 Sample : M4325-01  
 Misc : 5.05G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RED-BOX-1-225057

Quant Time: Oct 27 05:26:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 5016     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 8939     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 8169     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 3198     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 4882     | 79.093   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 158.180% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 755      | 15.154   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 30.300%# |
| 50) Toluene-d8              | 10.185 | 98    | 10949    | 51.840   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 103.680% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 3630     | 51.021   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 102.040% |

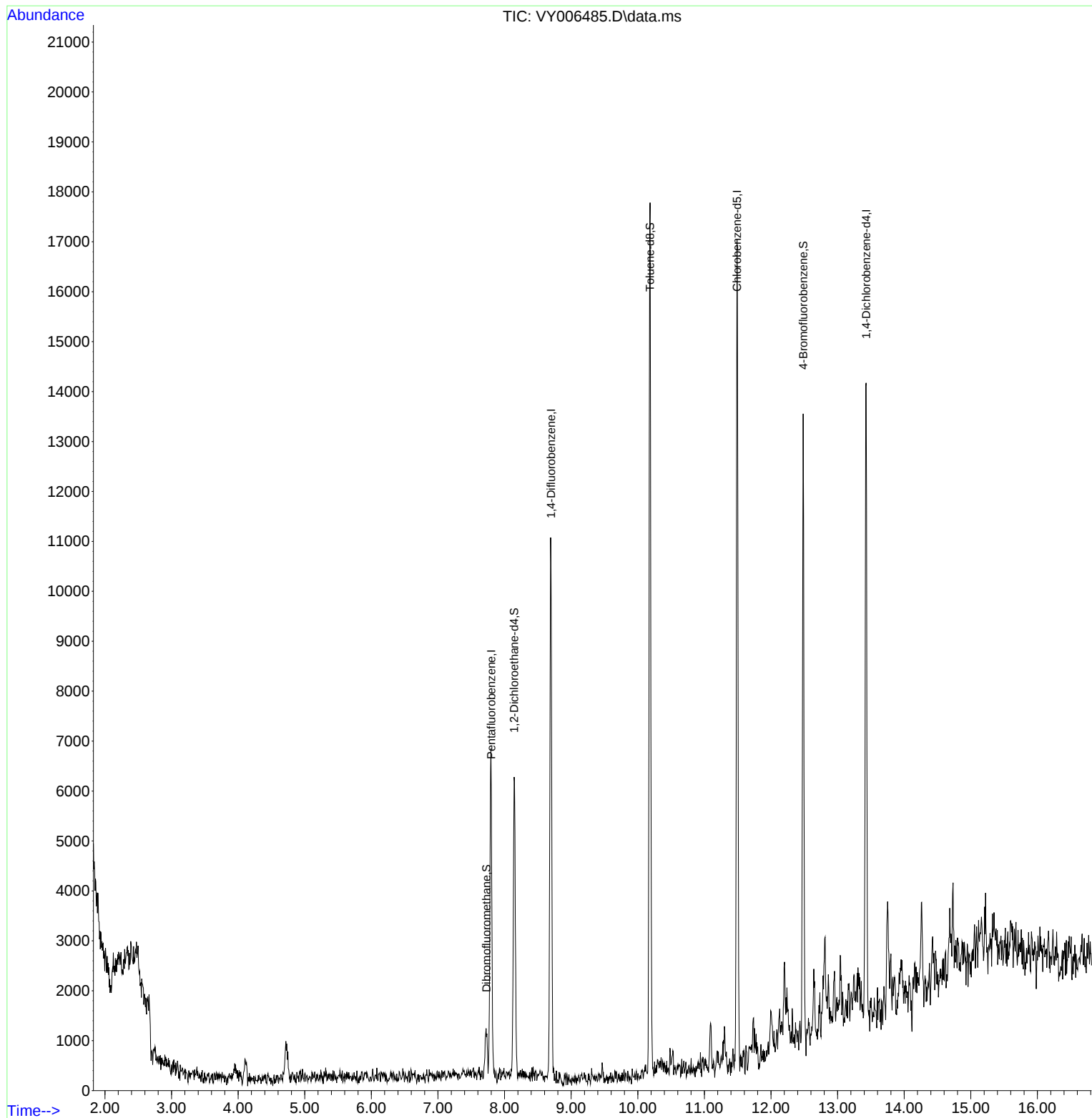
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

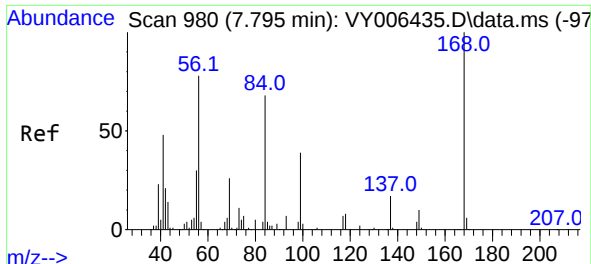
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

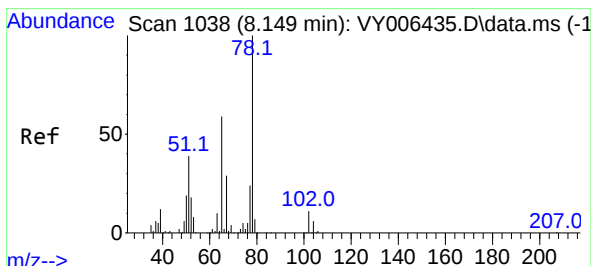
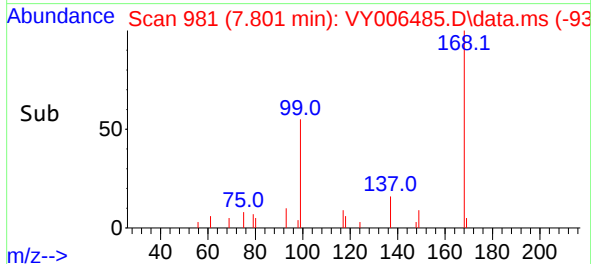
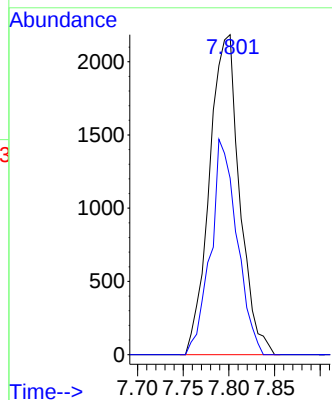
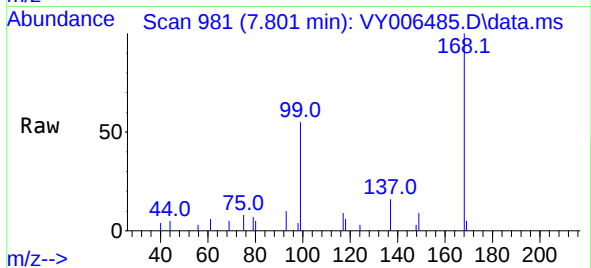




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY006485.D  
Acq: 26 Oct 2021 16:47

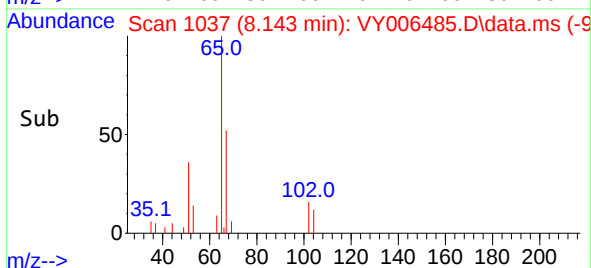
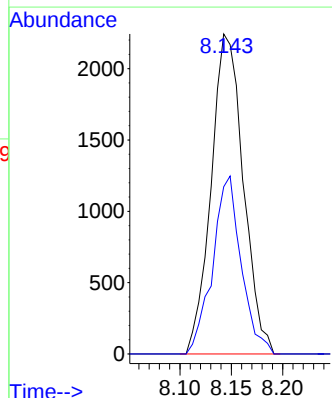
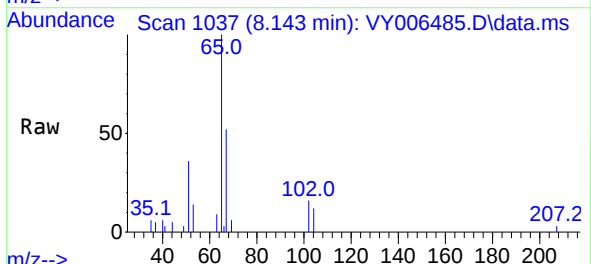
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RED-BOX-1-225057

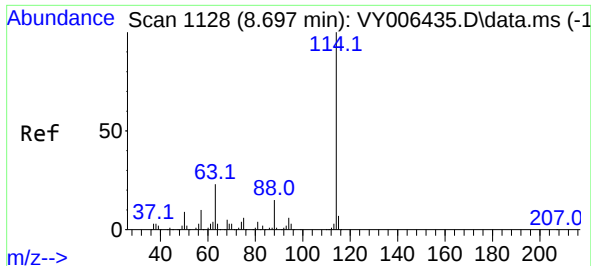
Tgt Ion:168 Resp: 5016  
Ion Ratio Lower Upper  
168 100  
99 55.1 44.8 67.2



#33  
1,2-Dichloroethane-d4  
Concen: 79.093 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VY006485.D  
Acq: 26 Oct 2021 16:47

Tgt Ion: 65 Resp: 4882  
Ion Ratio Lower Upper  
65 100  
67 49.4 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006485.D

Acq: 26 Oct 2021 16:47

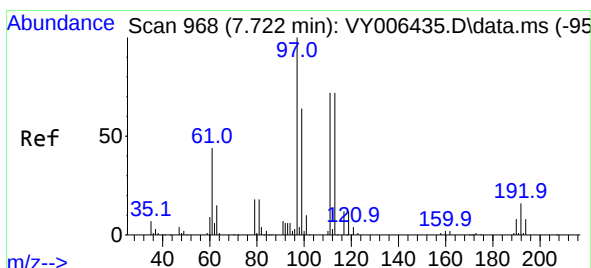
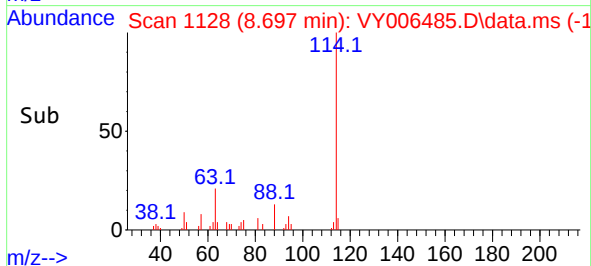
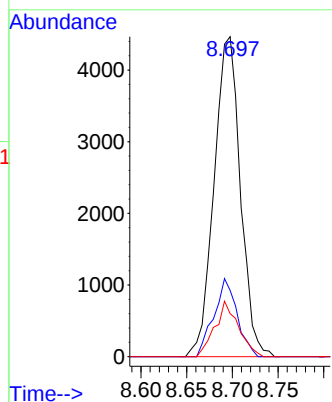
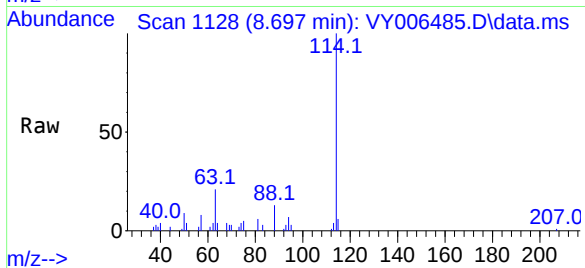
Instrument :

MSVOA\_Y

ClientSampleId :

RED-BOX-1-225057

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 8939        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 20.7  | 0.0 45.0    |
| 88          | 13.5  | 0.0 30.6    |



#35

Dibromofluoromethane

Concen: 15.154 ug/l

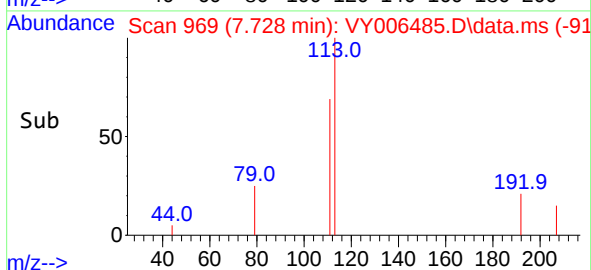
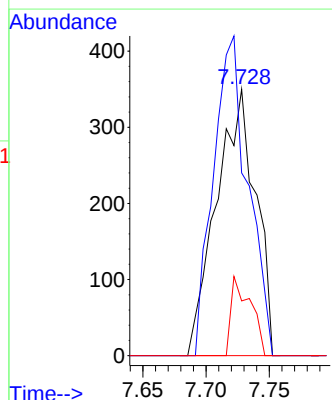
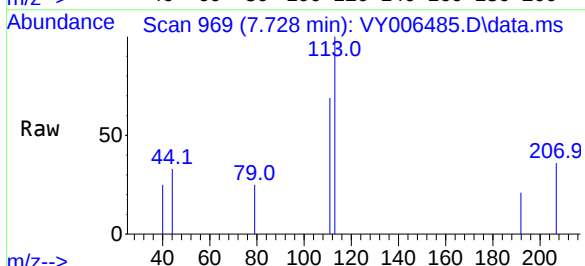
RT: 7.728 min Scan# 969

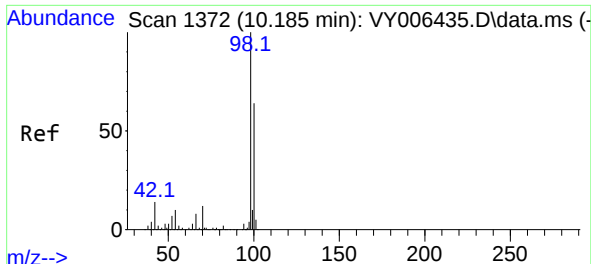
Delta R.T. 0.006 min

Lab File: VY006485.D

Acq: 26 Oct 2021 16:47

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 755         |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 105.6 | 82.3 123.5  |
| 192         | 14.8  | 17.4 26.2   |

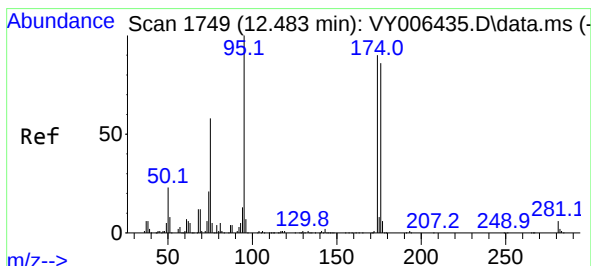
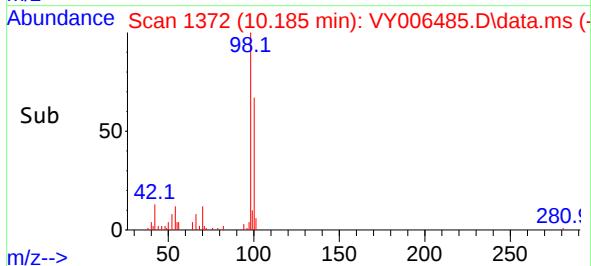
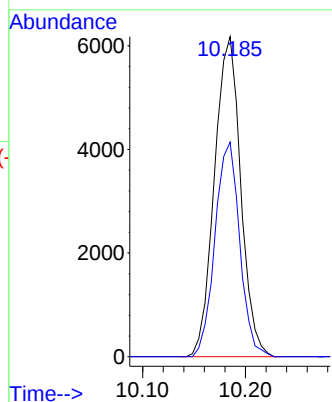
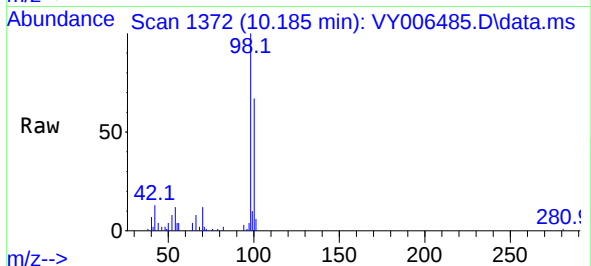




#50  
Toluene-d8  
Concen: 51.840 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006485.D  
Acq: 26 Oct 2021 16:47

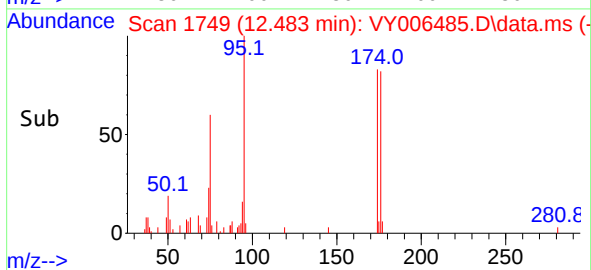
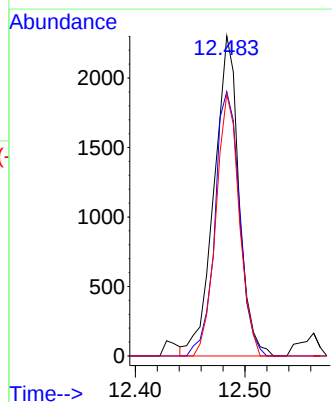
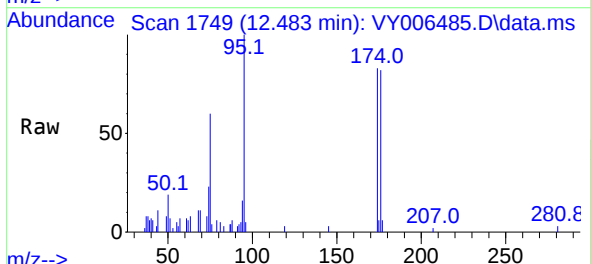
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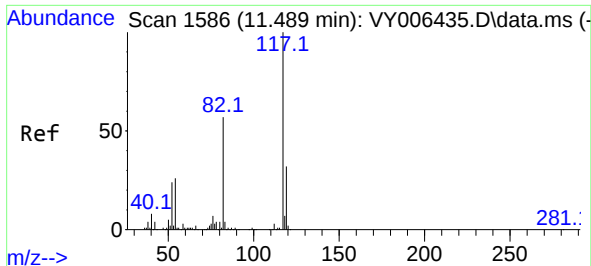
Tgt Ion: 98 Resp: 10949  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 51.021 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006485.D  
Acq: 26 Oct 2021 16:47

Tgt Ion: 95 Resp: 3630  
Ion Ratio Lower Upper  
95 100  
174 82.2 0.0 177.0  
176 76.7 0.0 169.4

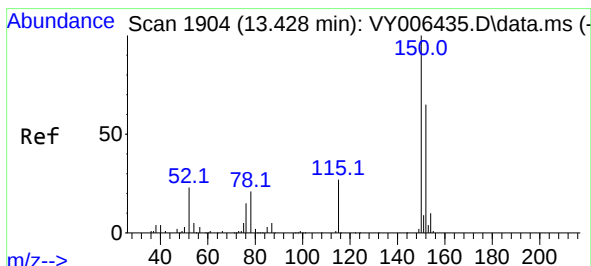
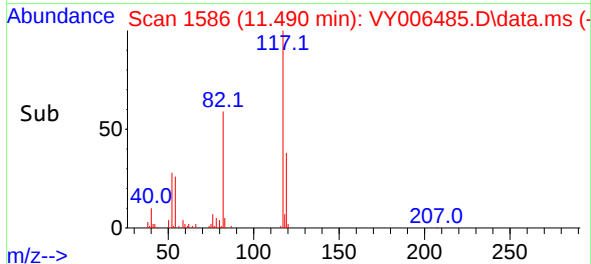
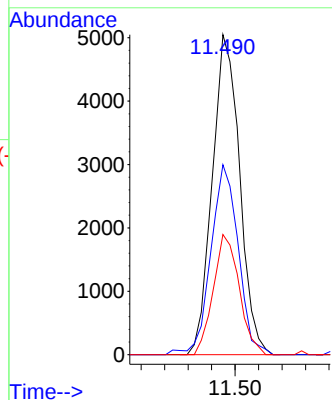
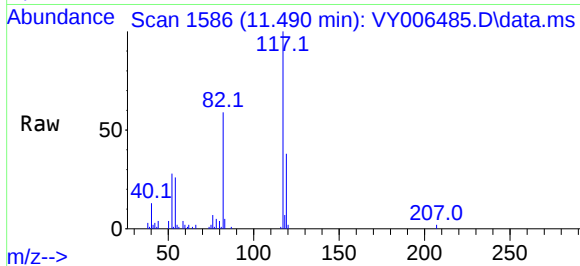




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY006485.D  
Acq: 26 Oct 2021 16:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 8169        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 59.4  | 45.7 68.5   |
| 119         | 37.6  | 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: VY006485.D  
Acq: 26 Oct 2021 16:47

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 3198        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 56.1  | 28.5 85.5   |
| 150         | 149.4 | 0.0 348.2   |

