

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081722\  
 Data File : VY010076.D  
 Acq On : 17 Aug 2022 18:12  
 Operator : KP/MD  
 Sample : N4217-10  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP4-0815

Quant Time: Aug 18 08:22:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081522S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 17 05:12:02 2022  
 Response via : Initial Calibration

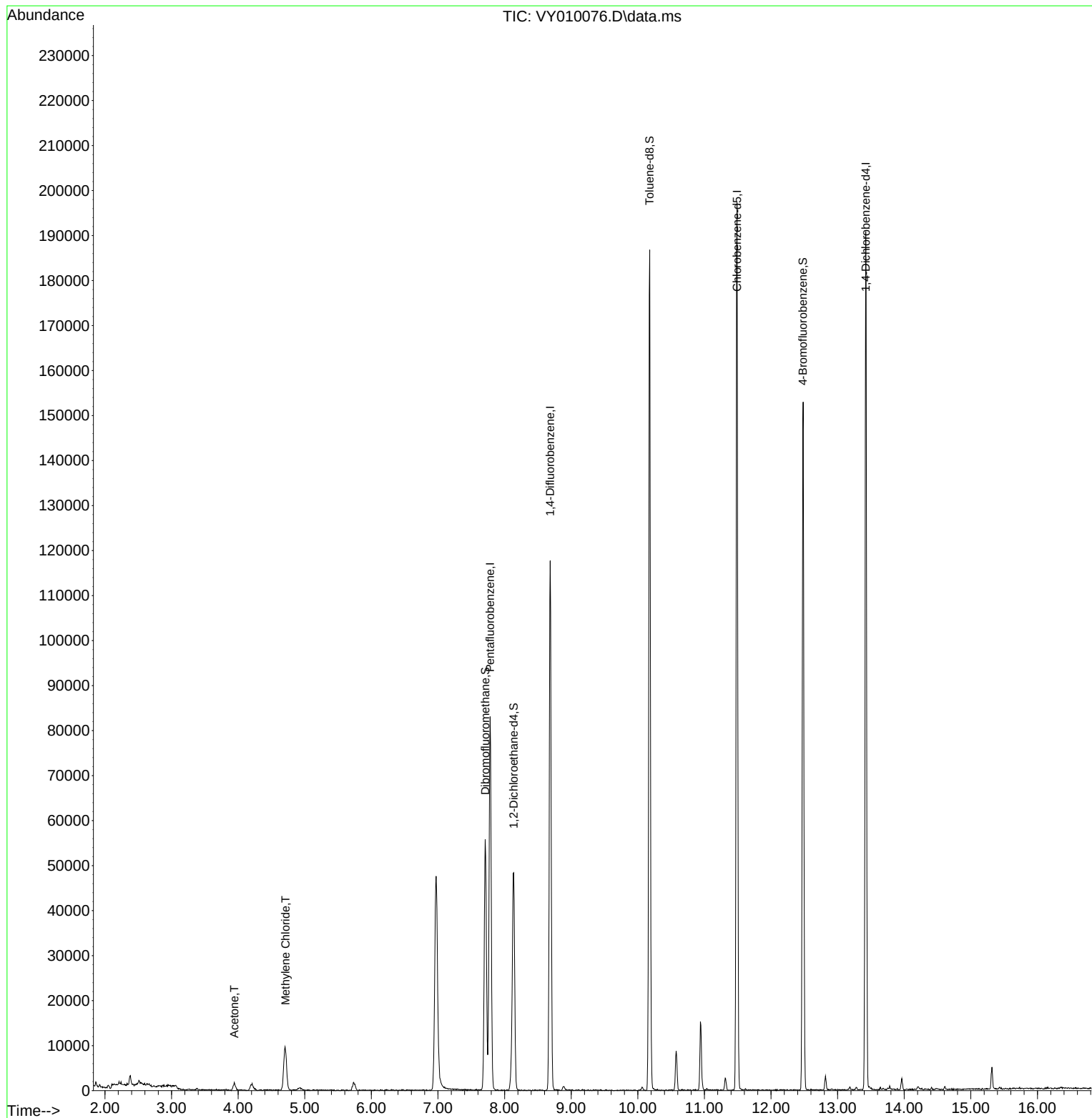
| Compound                    | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                       |                |      |                     |        |       |          |
| Internal Standards          |                |      |                     |        |       |          |
| 1) Pentafluorobenzene       | 7.783          | 168  | 67213               | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685          | 114  | 105572              | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489         | 117  | 111780              | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422         | 152  | 52681               | 50.000 | ug/l  | 0.00     |
|                             |                |      |                     |        |       |          |
| System Monitoring Compounds |                |      |                     |        |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136          | 65   | 37902               | 56.398 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 112.800% |        |       |          |
| 35) Dibromofluoromethane    | 7.710          | 113  | 38109               | 55.663 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 111.320% |        |       |          |
| 50) Toluene-d8              | 10.179         | 98   | 121691              | 48.043 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = 96.080%  |        |       |          |
| 62) 4-Bromofluorobenzene    | 12.477         | 95   | 42315               | 47.563 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = 95.120%  |        |       |          |
|                             |                |      |                     |        |       |          |
| Target Compounds            |                |      |                     |        |       |          |
| 16) Acetone                 | 3.942          | 43   | 2595                | 18.028 | ug/l  | 98       |
| 20) Methylene Chloride      | 4.710          | 84   | 7395                | 8.294  | ug/l  | 94       |
| -----                       |                |      |                     |        |       |          |

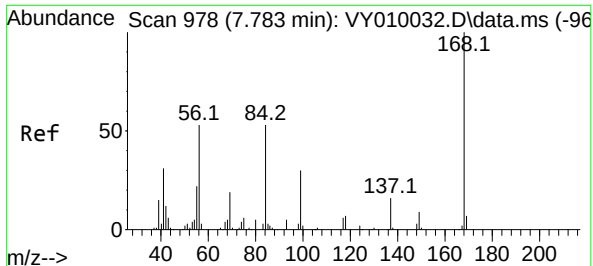
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081522S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 17 05:12:02 2022  
Response via : Initial Calibration

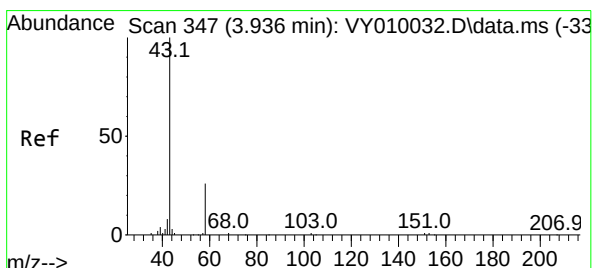
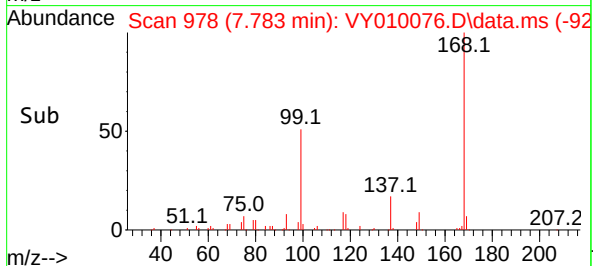
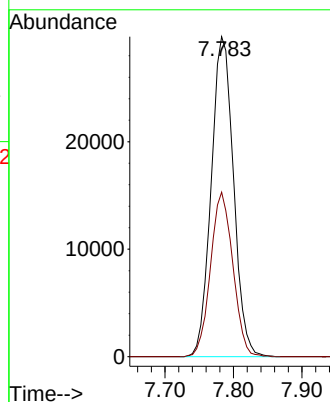
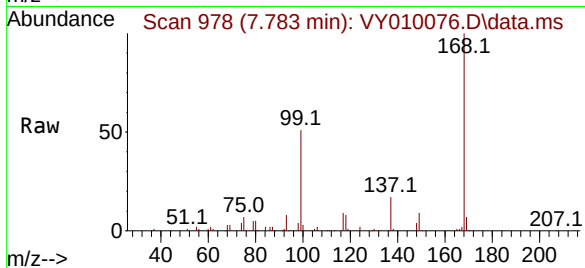




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010076.D  
Acq: 17 Aug 2022 18:12

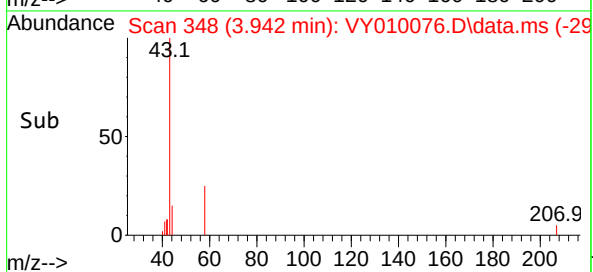
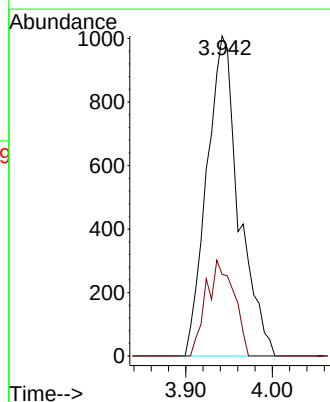
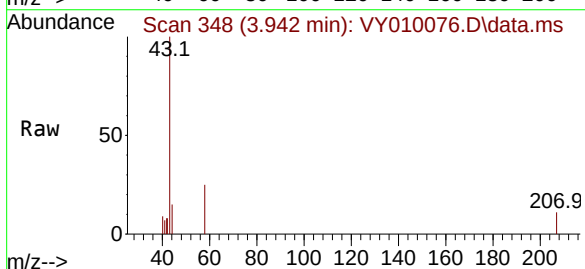
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP4-0815

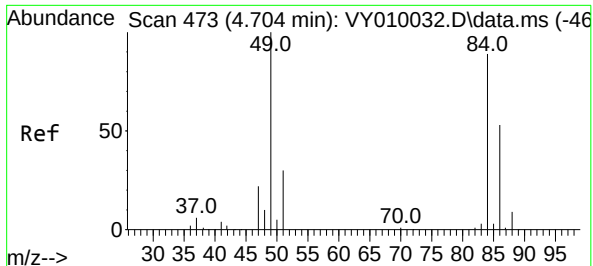
Tgt Ion:168 Resp: 67213  
Ion Ratio Lower Upper  
168 100  
99 51.4 37.7 56.5



#16  
Acetone  
Concen: 18.028 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY010076.D  
Acq: 17 Aug 2022 18:12

Tgt Ion: 43 Resp: 2595  
Ion Ratio Lower Upper  
43 100  
58 25.5 21.4 32.0





#20

Methylene Chloride

Concen: 8.294 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY010076.D

Acq: 17 Aug 2022 18:12

Instrument :

MSVOA\_Y

ClientSampleId :

TP4-0815

Tgt Ion: 84 Resp: 7395

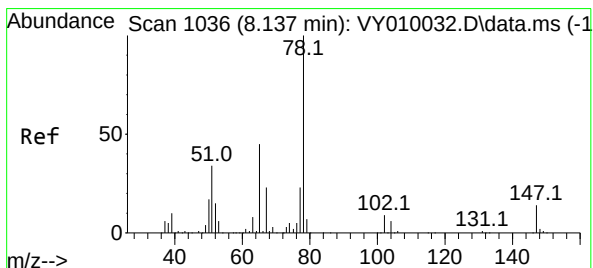
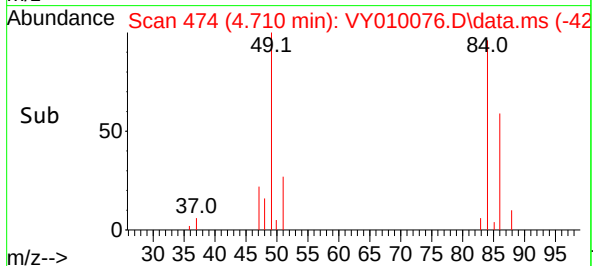
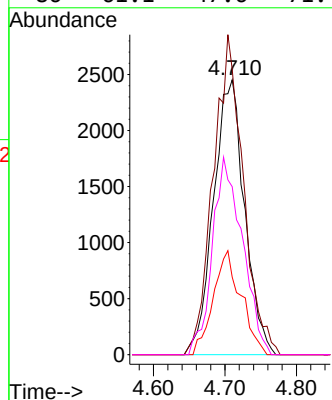
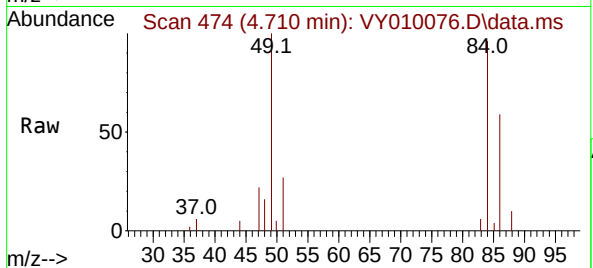
Ion Ratio Lower Upper

84 100

49 103.8 89.5 134.3

51 28.2 26.8 40.2

86 61.1 47.6 71.4



#33

1,2-Dichloroethane-d4

Concen: 56.398 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010076.D

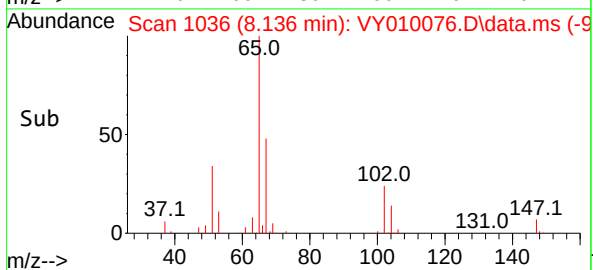
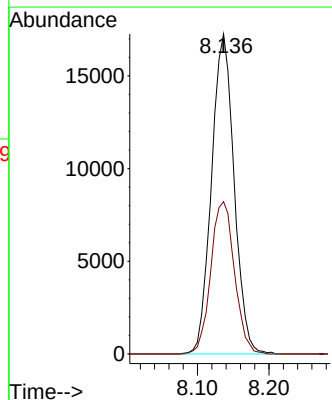
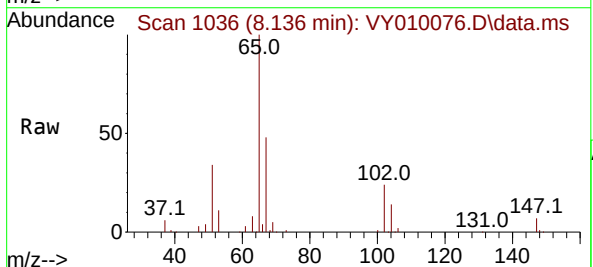
Acq: 17 Aug 2022 18:12

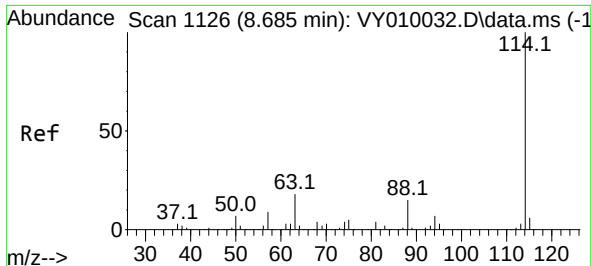
Tgt Ion: 65 Resp: 37902

Ion Ratio Lower Upper

65 100

67 50.0 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010076.D

Acq: 17 Aug 2022 18:12

Instrument :

MSVOA\_Y

ClientSampleId :

TP4-0815

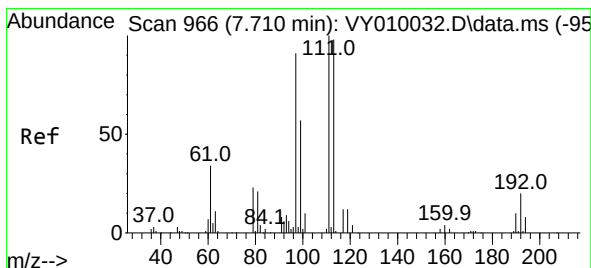
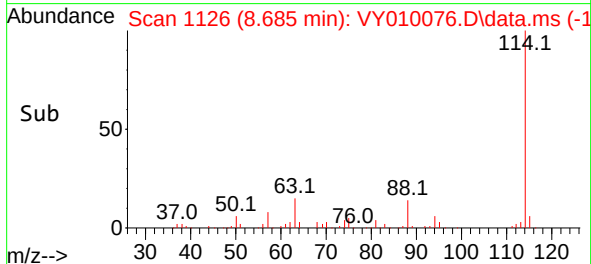
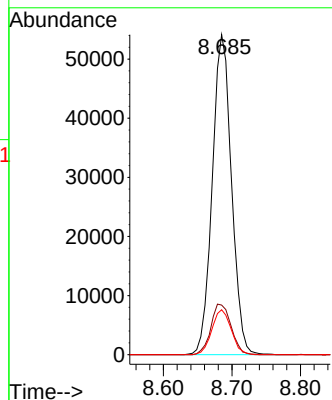
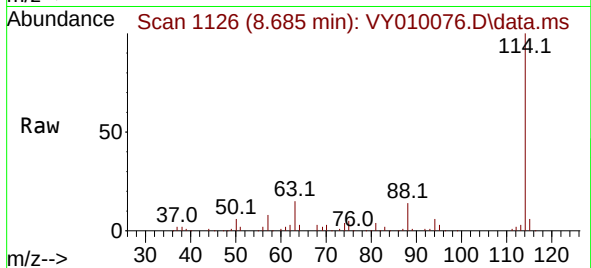
Tgt Ion:114 Resp: 105572

Ion Ratio Lower Upper

114 100

63 15.5 0.0 35.2

88 14.1 0.0 30.2



#35

Dibromofluoromethane

Concen: 55.663 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010076.D

Acq: 17 Aug 2022 18:12

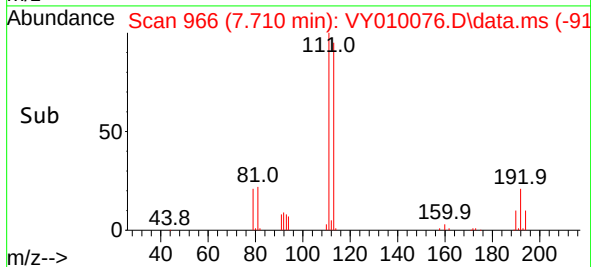
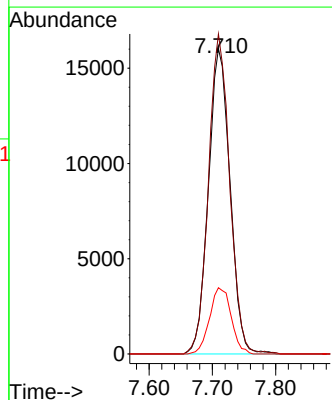
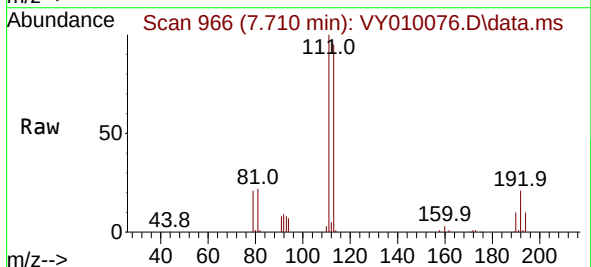
Tgt Ion:113 Resp: 38109

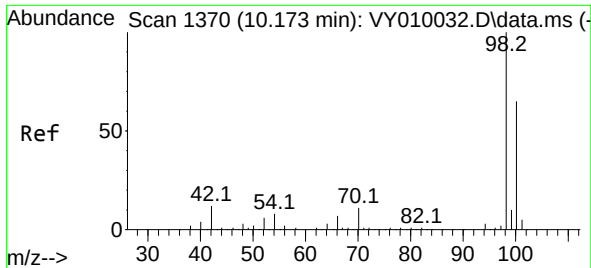
Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

192 21.6 17.2 25.8

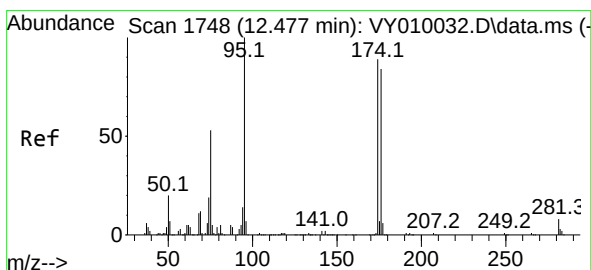
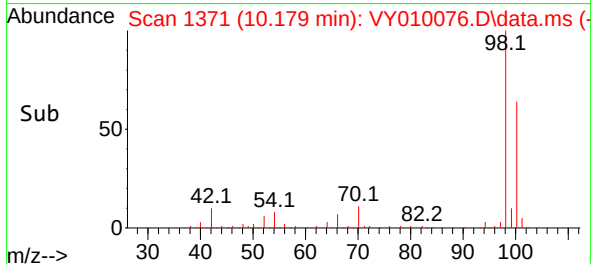
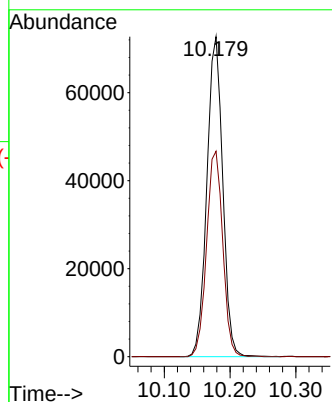
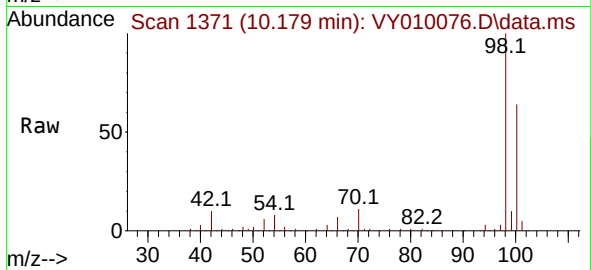




#50  
Toluene-d8  
Concen: 48.043 ug/l  
RT: 10.179 min Scan# 1370  
Delta R.T. 0.006 min  
Lab File: VY010076.D  
Acq: 17 Aug 2022 18:12

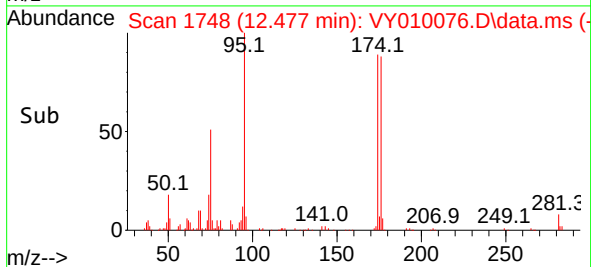
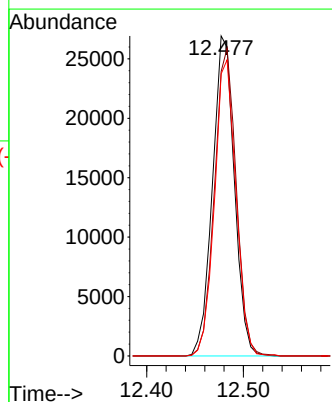
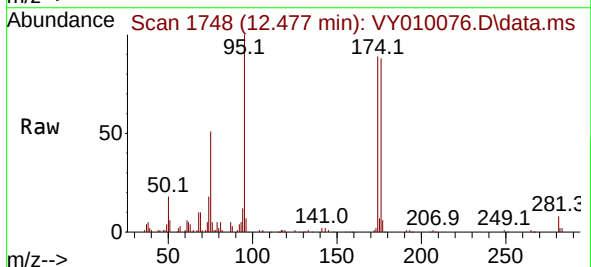
Instrument :  
MSVOA\_Y  
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TP4-0815

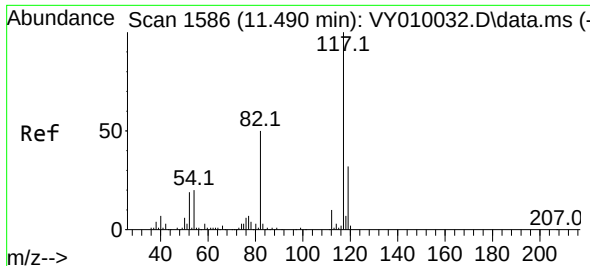
Tgt Ion: 98 Resp: 121691  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 47.563 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY010076.D  
Acq: 17 Aug 2022 18:12

Tgt Ion: 95 Resp: 42315  
Ion Ratio Lower Upper  
95 100  
174 95.3 0.0 184.2  
176 90.6 0.0 178.4

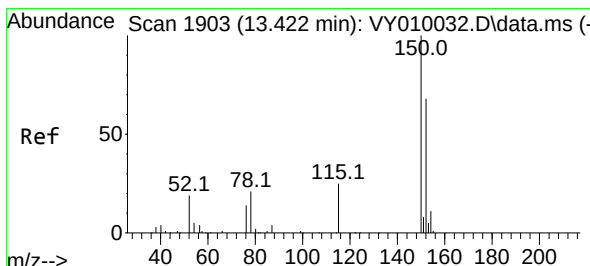
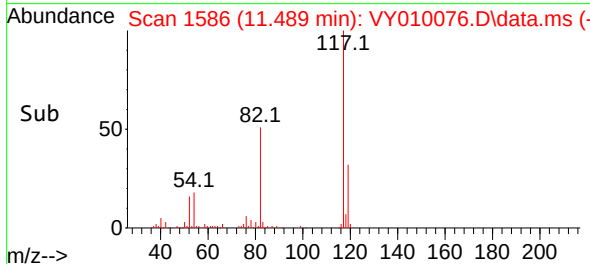
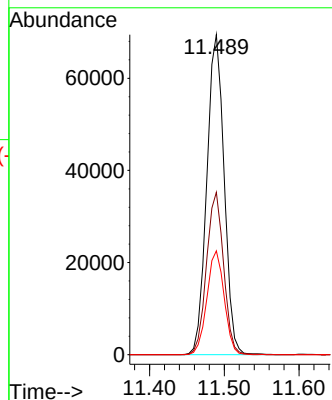
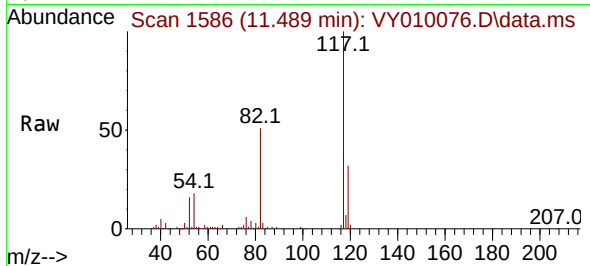




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 111780  
Delta R.T. -0.001 min  
Lab File: VY010076.D  
Acq: 17 Aug 2022 18:12

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP4-0815

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 111780 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 50.8  | 39.8  | 59.6   |
| 119      | 32.5  | 25.6  | 38.4   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY010076.D  
Acq: 17 Aug 2022 18:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 52681 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 53.7  | 28.1  | 84.3  |
| 150      | 154.2 | 0.0   | 346.6 |

