

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111621\  
 Data File : VY006770.D  
 Acq On : 16 Nov 2021 18:35  
 Operator : SY/MD  
 Sample : M4577-02  
 Misc : 6.33G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-2

Quant Time: Nov 17 04:09:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

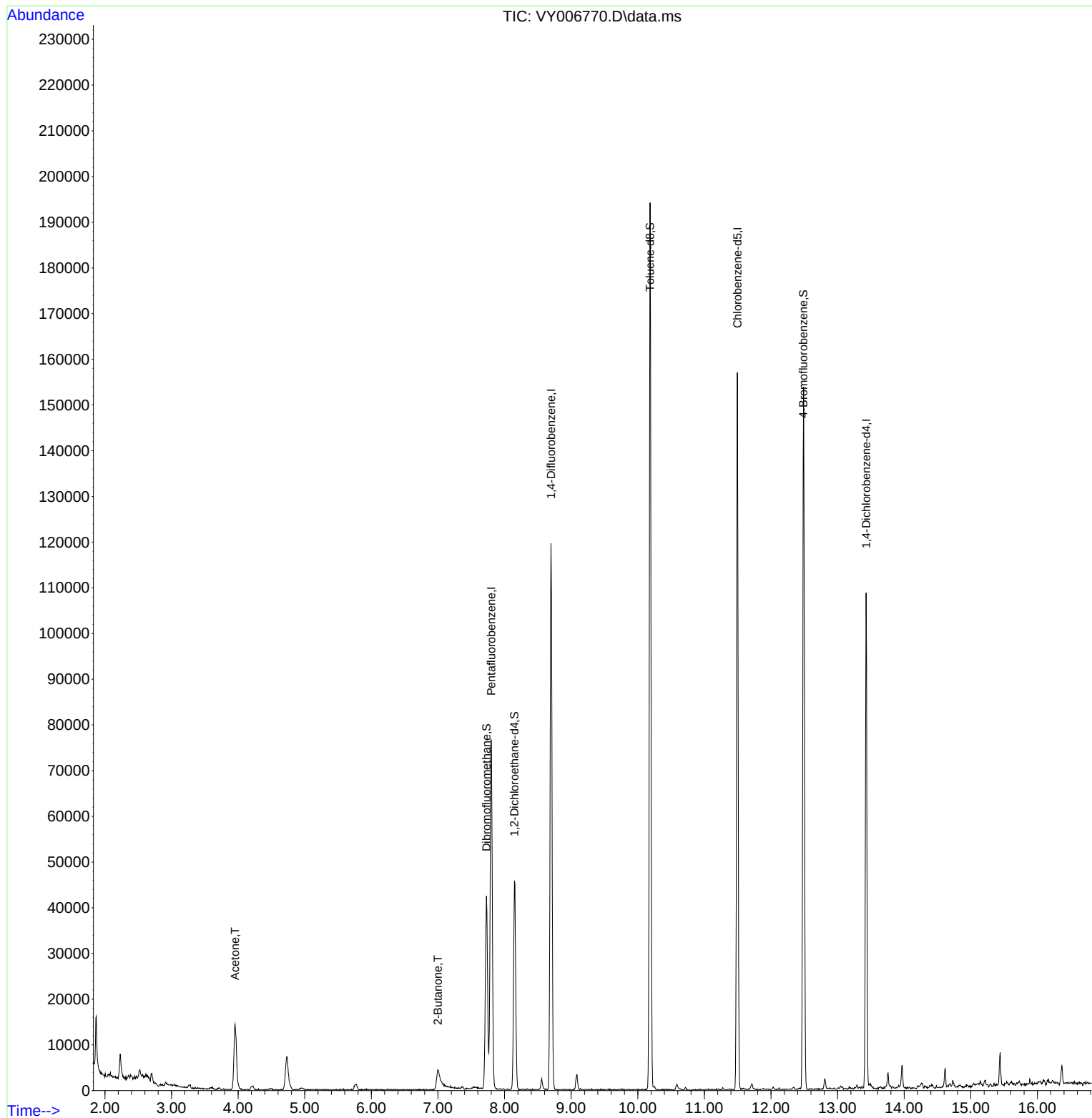
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 57902    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 93791    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 74916    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 24761    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 37054    | 48.828   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 97.660%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 28001    | 48.604   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 97.200%  |
| 50) Toluene-d8              | 10.185 | 98    | 116936   | 49.051   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 98.100%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 28437    | 35.383   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 70.760%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 16) Acetone                 | 3.954  | 43    | 25944    | 112.522  | ug/l  | 97       |
| 25) 2-Butanone              | 6.997  | 43    | 3245     | 20.734   | ug/l  | 98       |
| -----                       |        |       |          |          |       |          |

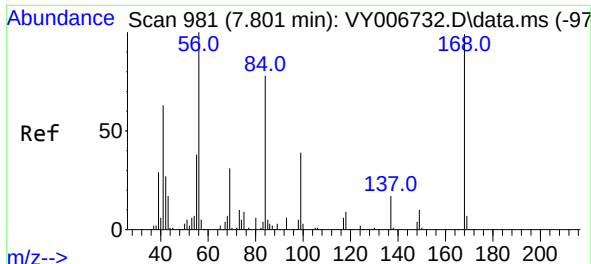
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 16 04:20:03 2021  
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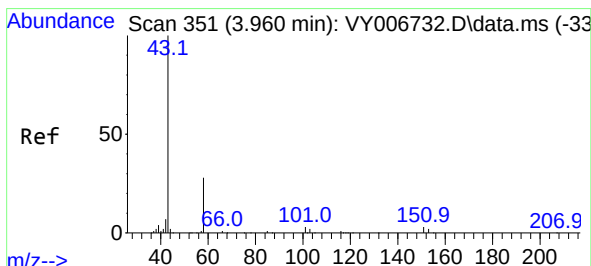
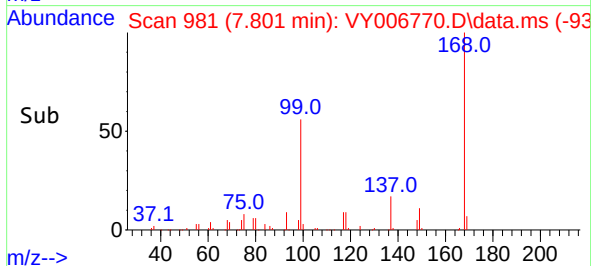
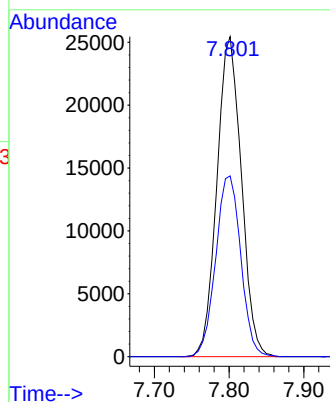
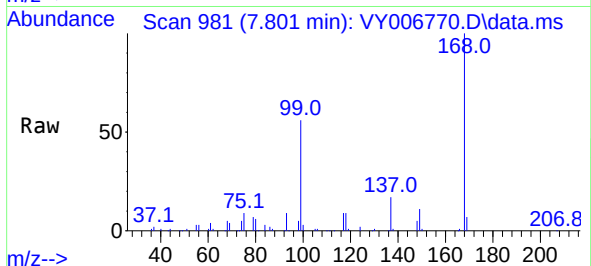




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY006770.D  
Acq: 16 Nov 2021 18:35

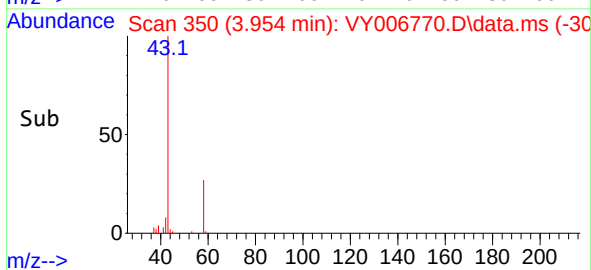
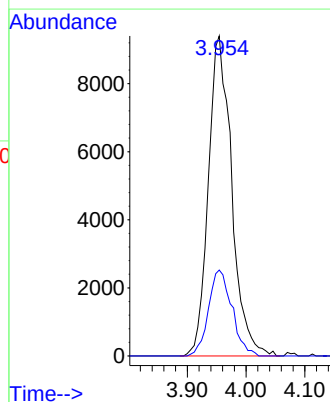
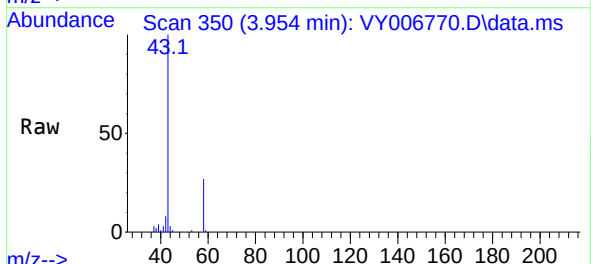
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

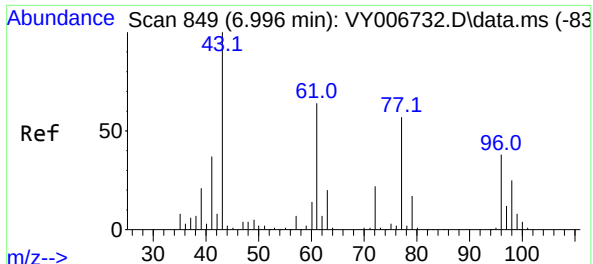
Tgt Ion:168 Resp: 57902  
Ion Ratio Lower Upper  
168 100  
99 56.5 44.8 67.2



#16  
Acetone  
Concen: 112.522 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VY006770.D  
Acq: 16 Nov 2021 18:35

Tgt Ion: 43 Resp: 25944  
Ion Ratio Lower Upper  
43 100  
58 26.9 22.9 34.3





#25

2-Butanone

Concen: 20.734 ug/l

RT: 6.997 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY006770.D

Acq: 16 Nov 2021 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

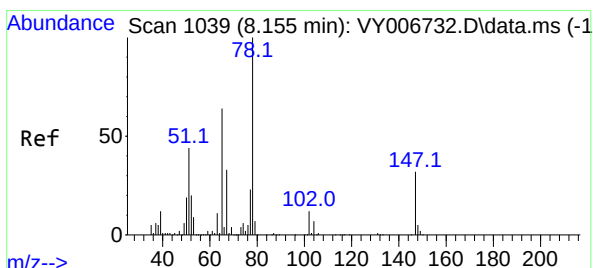
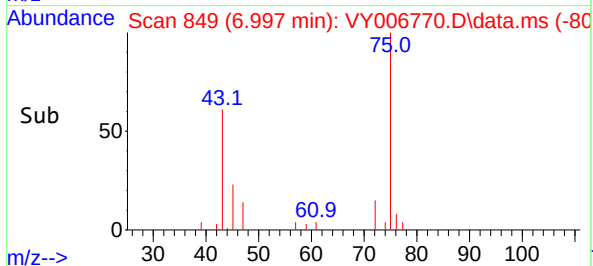
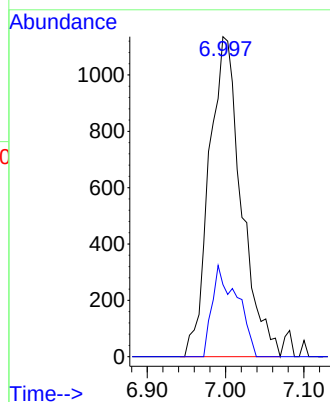
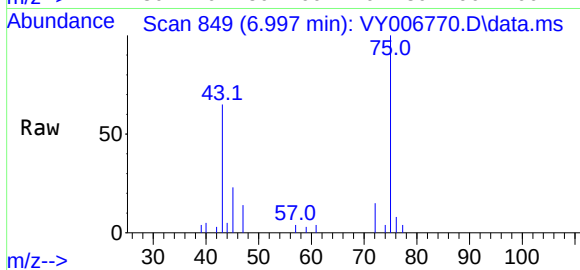
SB-2

Tgt Ion: 43 Resp: 3245

Ion Ratio Lower Upper

43 100

72 22.5 18.9 28.3



#33

1,2-Dichloroethane-d4

Concen: 48.828 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY006770.D

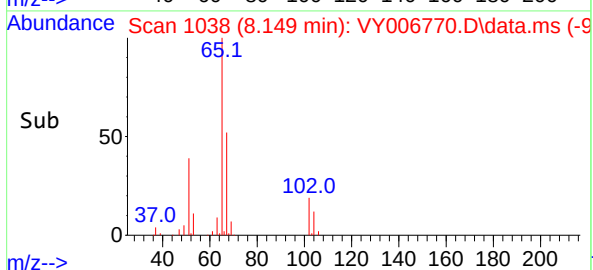
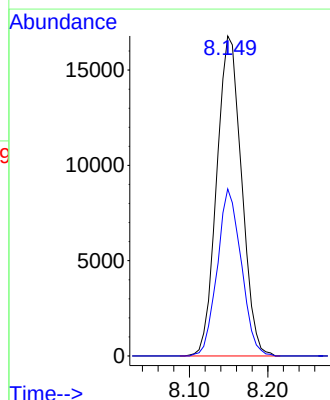
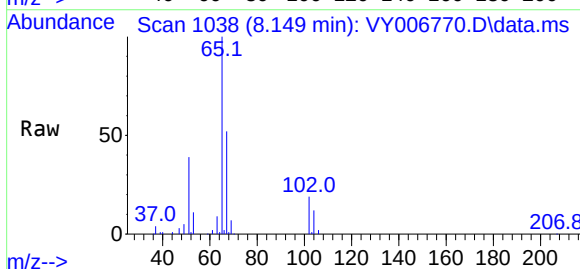
Acq: 16 Nov 2021 18:35

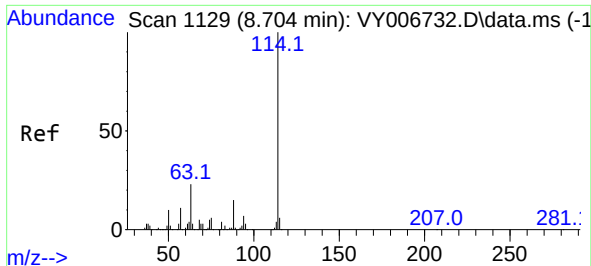
Tgt Ion: 65 Resp: 37054

Ion Ratio Lower Upper

65 100

67 50.4 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006770.D

Acq: 16 Nov 2021 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

SB-2

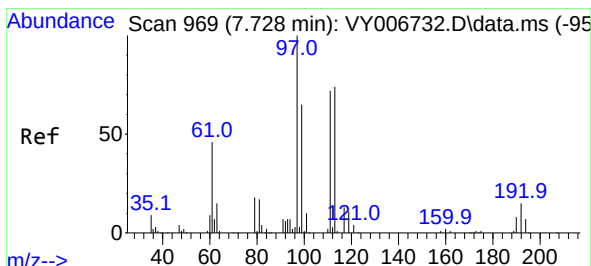
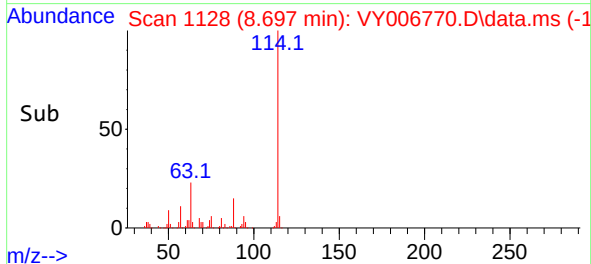
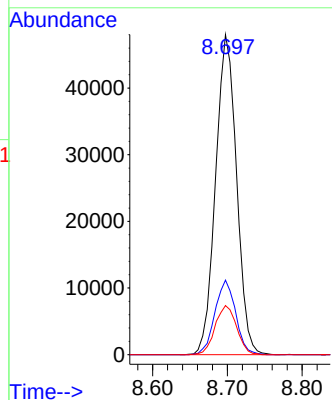
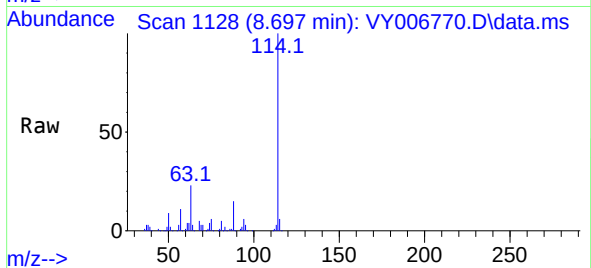
Tgt Ion:114 Resp: 93791

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.0

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.604 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY006770.D

Acq: 16 Nov 2021 18:35

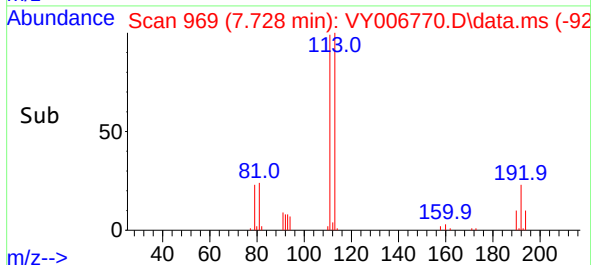
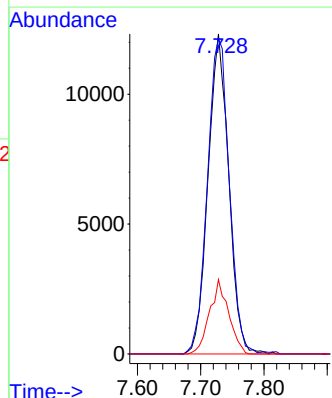
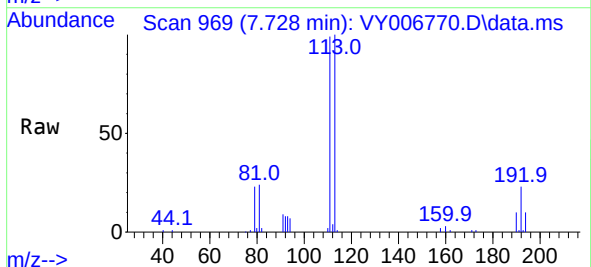
Tgt Ion:113 Resp: 28001

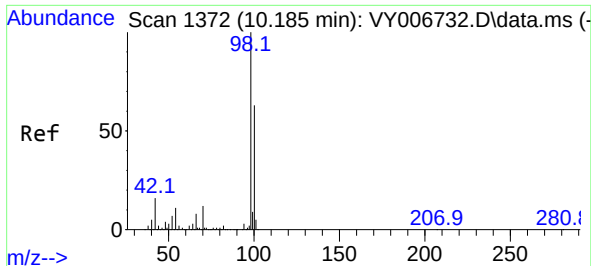
Ion Ratio Lower Upper

113 100

111 103.9 82.3 123.5

192 21.5 17.4 26.2

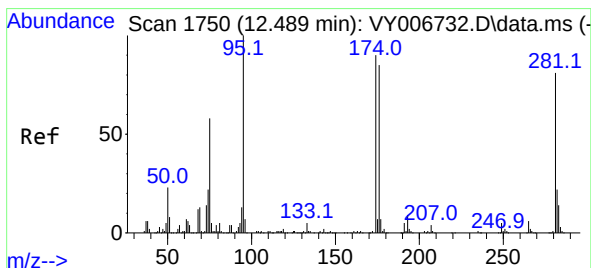
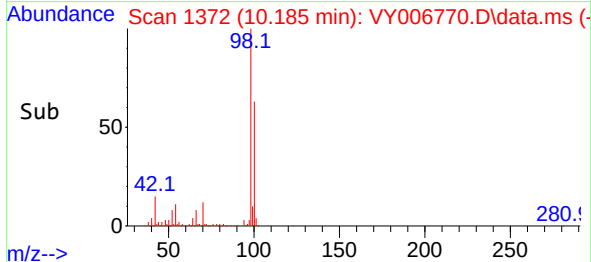
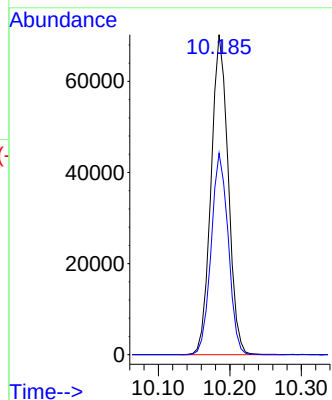
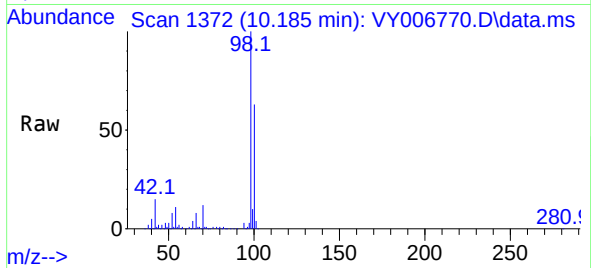




#50  
Toluene-d8  
Concen: 49.051 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY006770.D  
Acq: 16 Nov 2021 18:35

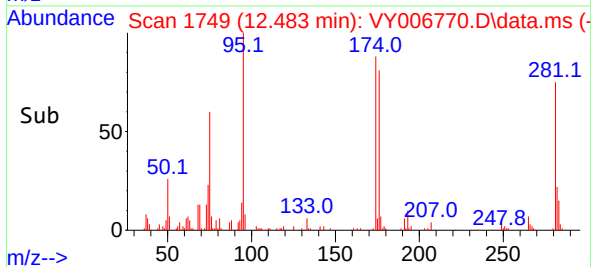
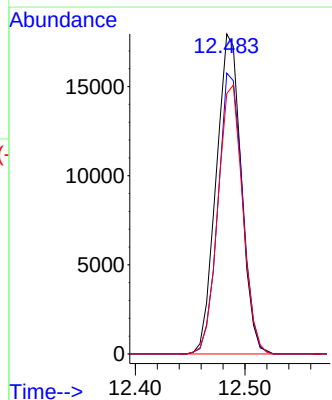
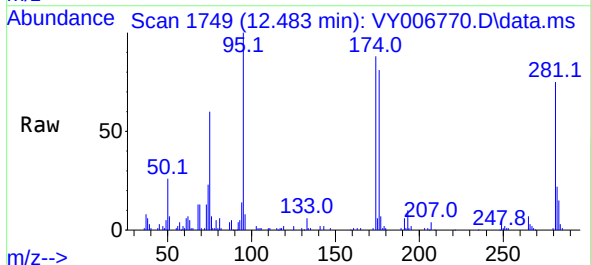
Instrument :  
MSVOA\_Y  
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SB-2

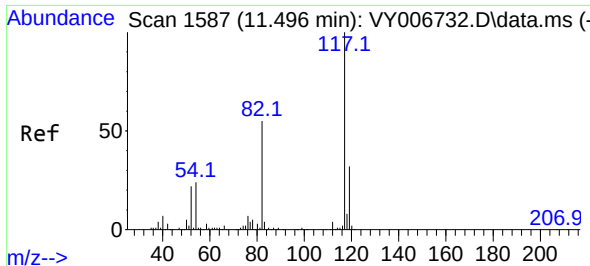
Tgt Ion: 98 Resp: 116936  
Ion Ratio Lower Upper  
98 100  
100 62.6 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 35.383 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY006770.D  
Acq: 16 Nov 2021 18:35

Tgt Ion: 95 Resp: 28437  
Ion Ratio Lower Upper  
95 100  
174 86.0 0.0 177.0  
176 83.3 0.0 169.4

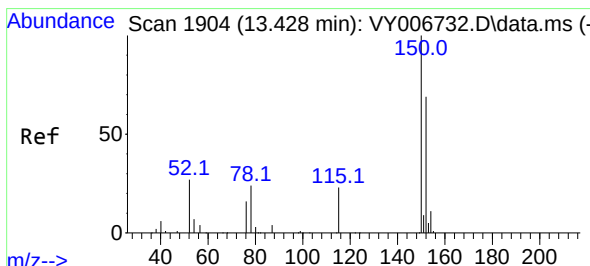
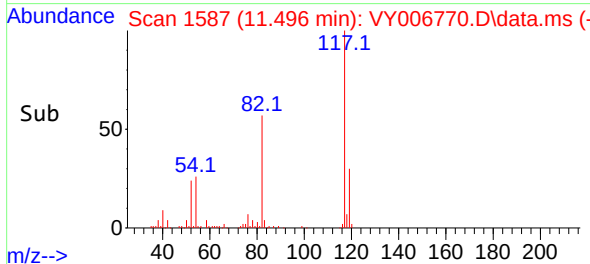
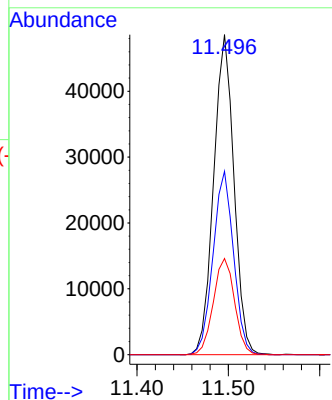
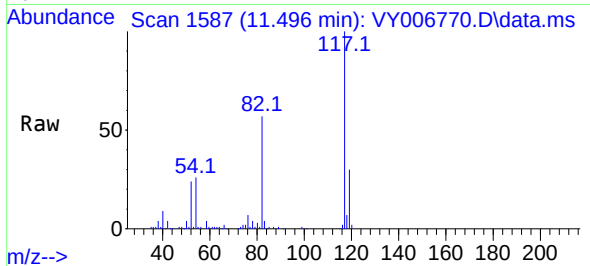




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY006770.D  
Acq: 16 Nov 2021 18:35

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 74916 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 57.3  | 45.7  | 68.5  |
| 119      | 30.0  | 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: VY006770.D  
Acq: 16 Nov 2021 18:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 24761 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 58.5  | 28.5  | 85.5  |
| 150      | 160.8 | 0.0   | 348.2 |

