

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050224\  
 Data File : VX041346.D  
 Acq On : 02 May 2024 12:18  
 Operator : JC/MD  
 Sample : P2264-18  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T3-MW-2-9.0-042424

Quant Time: May 03 02:07:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 02:38:17 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 171682   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 257403   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 265000   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 123890   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 88386    | 47.291   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 94.580%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 68929    | 39.516   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 79.040%  |
| 50) Toluene-d8              | 8.647  | 98    | 285616   | 51.733   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 103.460% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 108515   | 50.774   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 101.540% |

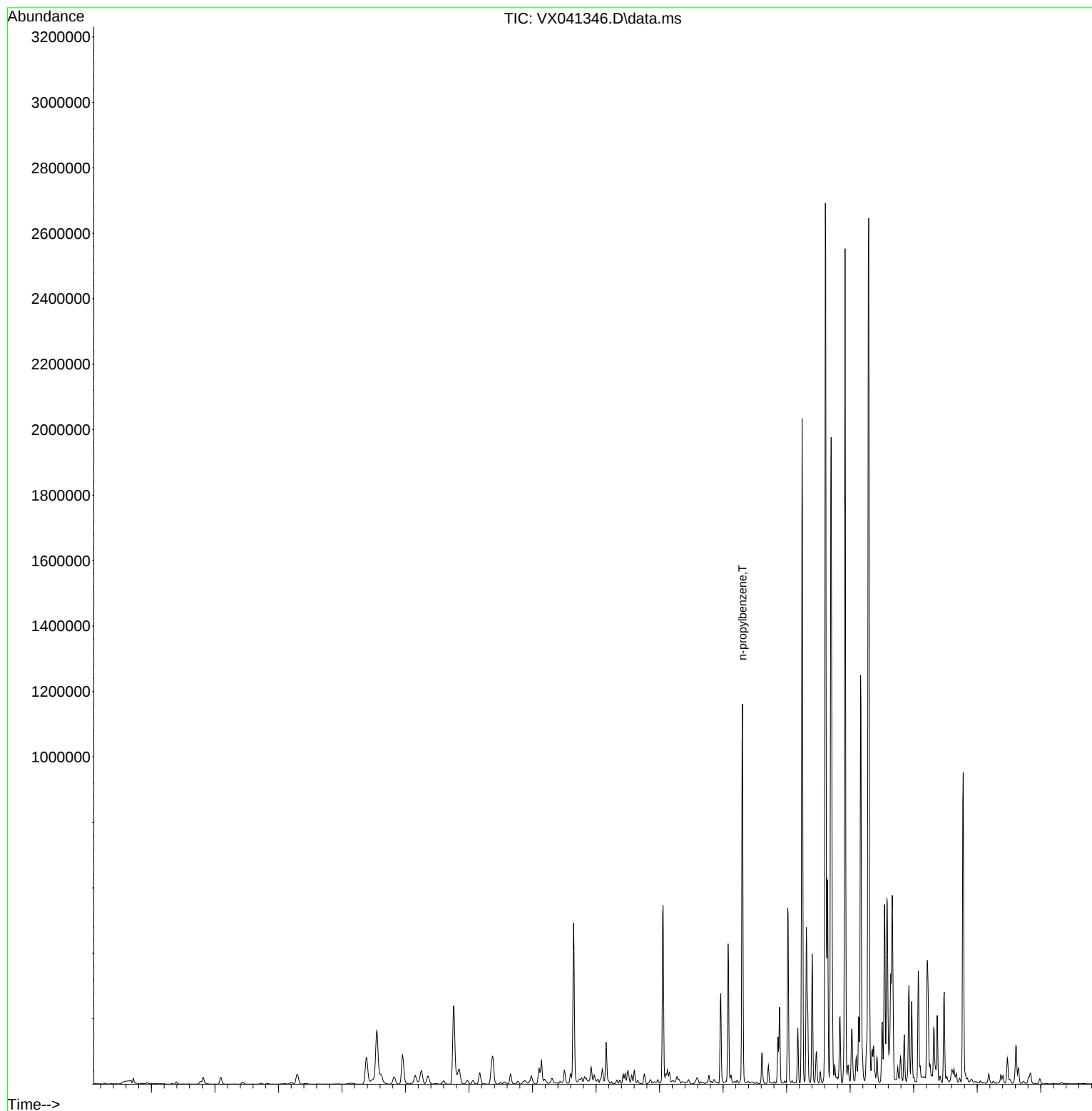
|                       |        |     |        |        |      |        |
|-----------------------|--------|-----|--------|--------|------|--------|
| Target Compounds      |        |     |        |        |      | Qvalue |
| 16) Acetone           | 2.392  | 43  | 8220   | 6.173  | ug/l | 99     |
| 31) Cyclohexane       | 5.477  | 56  | 8570   | 3.799  | ug/l | # 89   |
| 39) Methylcyclohexane | 7.379  | 83  | 34967  | 14.270 | ug/l | 93     |
| 52) Toluene           | 8.726  | 92  | 1769   | 0.450  | ug/l | 88     |
| 67) Ethyl Benzene     | 10.195 | 91  | 2720   | 0.306  | ug/l | 96     |
| 73) Isopropylbenzene  | 10.963 | 105 | 142926 | 18.899 | ug/l | 97     |
| 78) n-propylbenzene   | 11.305 | 91  | 705999 | 88.885 | ug/l | 97     |
| 83) tert-Butylbenzene | 11.713 | 119 | 20908  | 3.167  | ug/l | 98     |
| 85) sec-Butylbenzene  | 11.890 | 105 | 118118 | 15.613 | ug/l | 100    |
| 89) n-Butylbenzene    | 12.329 | 91  | 129755 | 23.749 | ug/l | # 62   |
| -----                 |        |     |        |        |      |        |

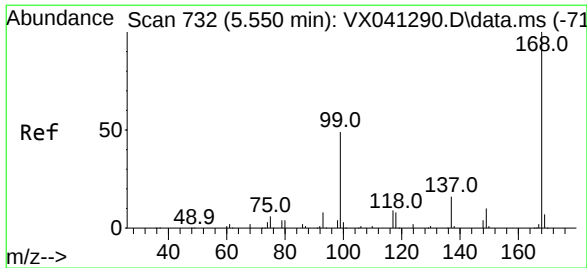
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050224\  
Data File : VX041346.D  
Acq On : 02 May 2024 12:18  
Operator : JC/MD  
Sample : P2264-18  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T3-MW-2-9.0-042424

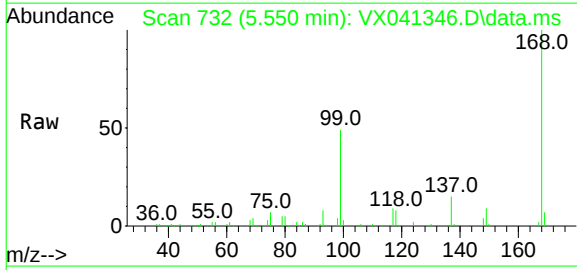
Quant Time: May 03 02:07:07 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 02:38:17 2024  
Response via : Initial Calibration



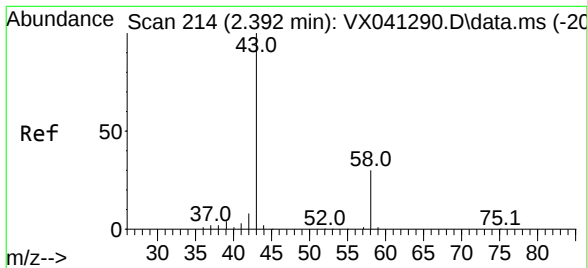
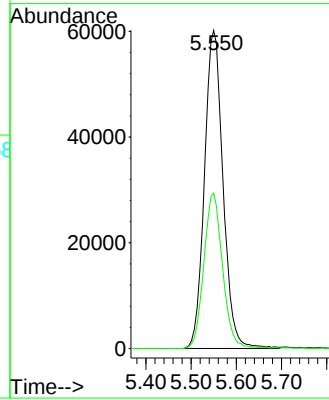
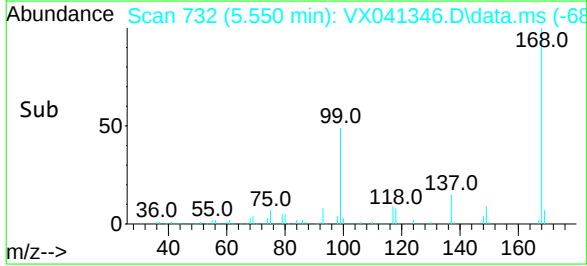


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX041346.D  
Acq: 02 May 2024 12:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
T3-MW-2-9.0-042424

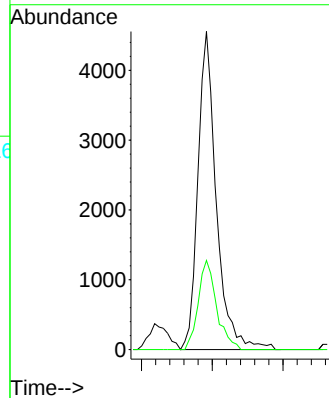
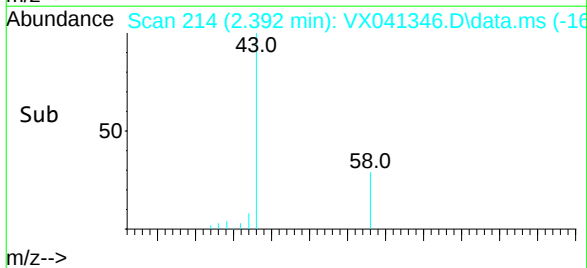
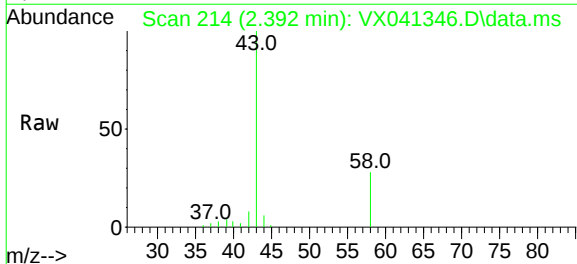


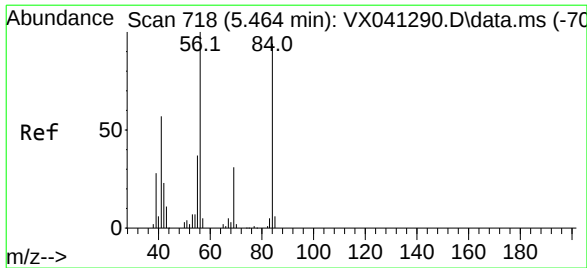
Tgt Ion:168 Resp: 171682  
Ion Ratio Lower Upper  
168 100  
99 48.9 56.6 85.0#



#16  
Acetone  
Concen: 6.173 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX041346.D  
Acq: 02 May 2024 12:18

Tgt Ion: 43 Resp: 8220  
Ion Ratio Lower Upper  
43 100  
58 28.0 21.9 32.9





#31

Cyclohexane

Concen: 3.799 ug/l

RT: 5.477 min Scan# 720

Delta R.T. 0.012 min

Lab File: VX041346.D

Acq: 02 May 2024 12:18

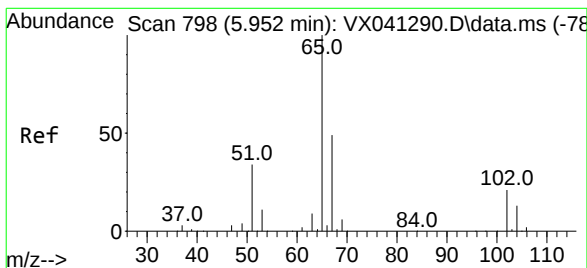
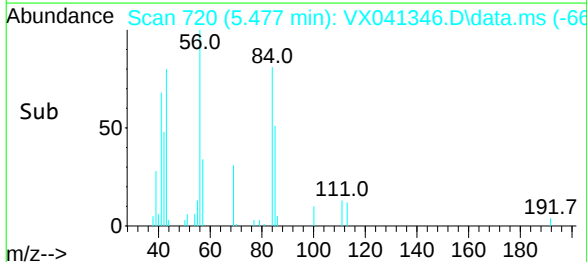
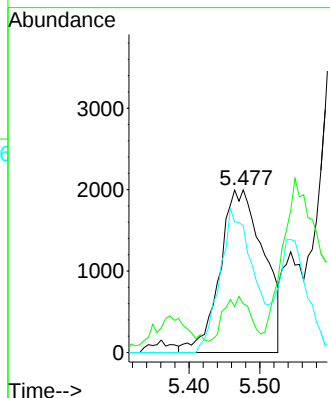
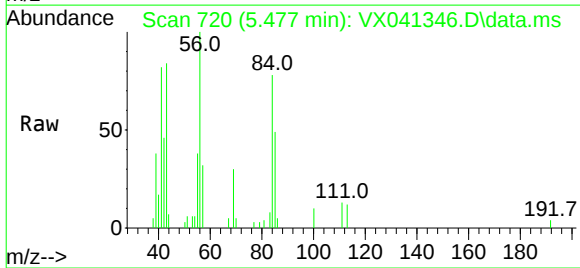
Instrument :

MSVOA\_X

ClientSampleId :

T3-MW-2-9.0-042424

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 8570  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 9.4   | 23.4  | 35.2  |
| 84       | 81.1  | 65.9  | 98.9  |



#33

1,2-Dichloroethane-d4

Concen: 47.291 ug/l

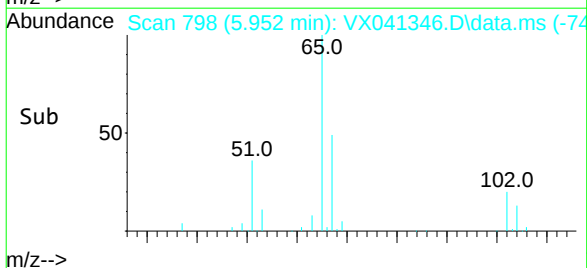
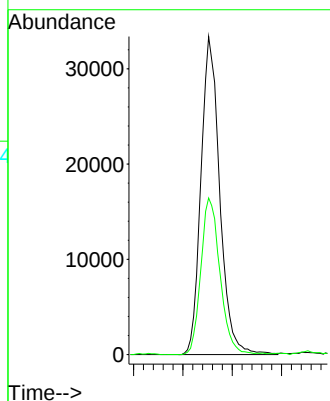
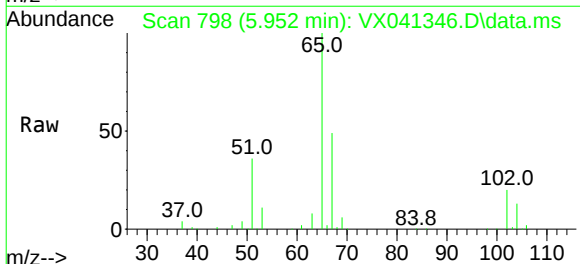
RT: 5.952 min Scan# 798

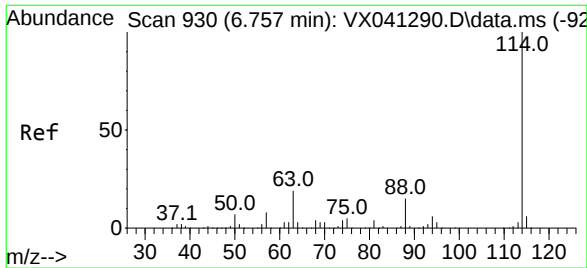
Delta R.T. 0.000 min

Lab File: VX041346.D

Acq: 02 May 2024 12:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 88386 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 50.0  | 0.0   | 100.2 |

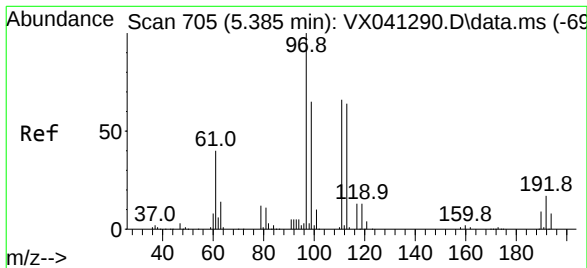
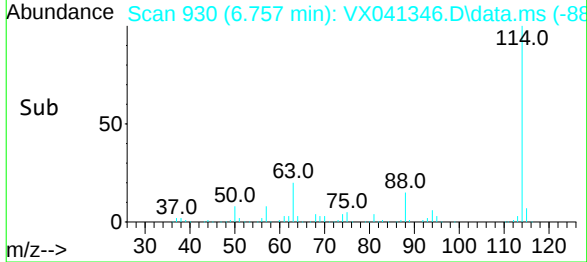
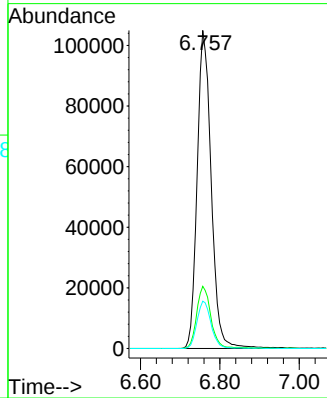
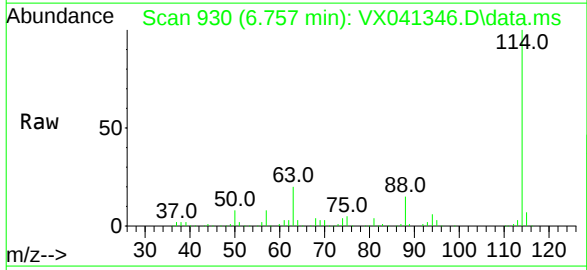




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 93  
Delta R.T. 0.000 min  
Lab File: VX041346.D  
Acq: 02 May 2024 12:18

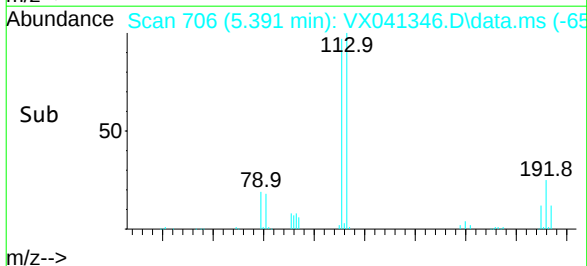
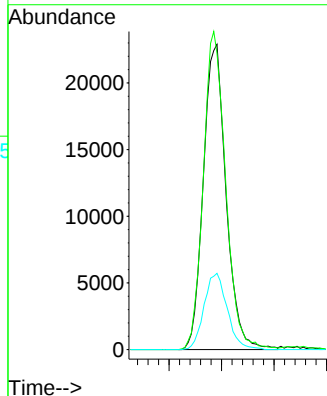
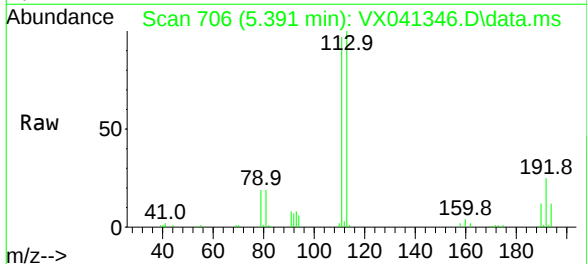
Instrument :  
MSVOA\_X  
ClientSampleId :  
T3-MW-2-9.0-042424

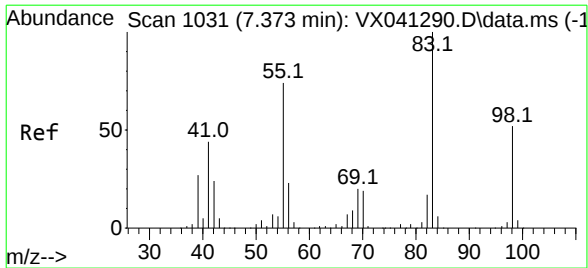
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 257403 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.6  | 0.0   | 45.0   |
| 88       | 14.9  | 0.0   | 36.6   |



#35  
Dibromofluoromethane  
Concen: 39.516 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX041346.D  
Acq: 02 May 2024 12:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 68929 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.2 | 82.9  | 124.3 |
| 192      | 25.4  | 13.3  | 19.9  |

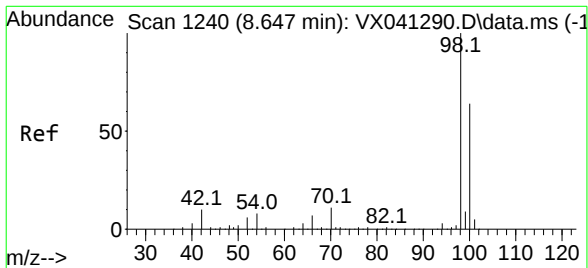
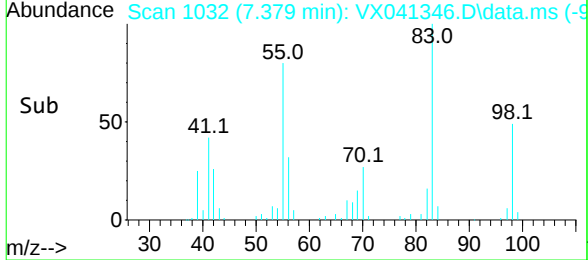
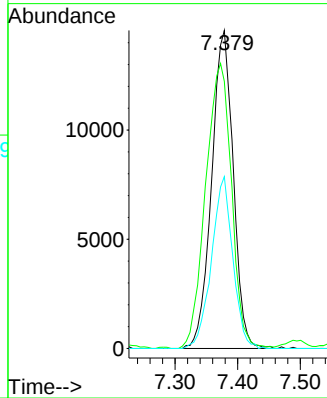
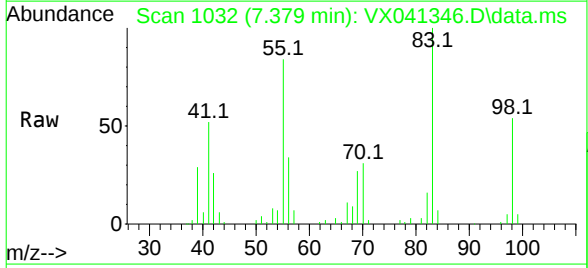




#39  
Methylcyclohexane  
Concen: 14.270 ug/l  
RT: 7.379 min Scan# 1031  
Delta R.T. 0.006 min  
Lab File: VX041346.D  
Acq: 02 May 2024 12:18

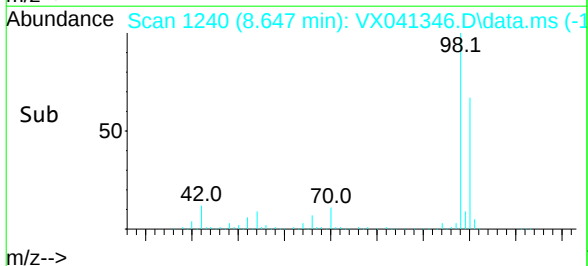
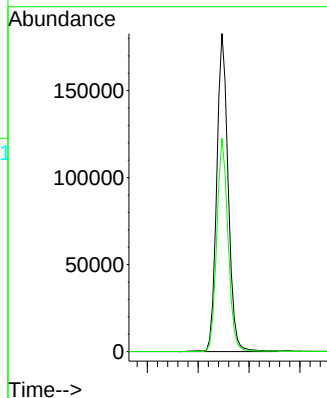
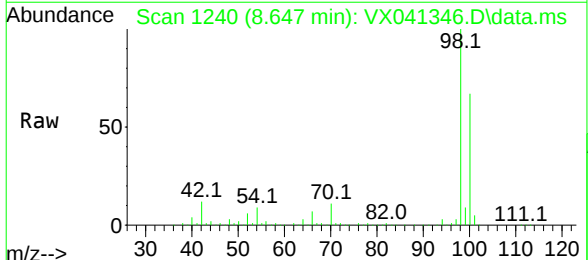
Instrument :  
MSVOA\_X  
ClientSampleId :  
T3-MW-2-9.0-042424

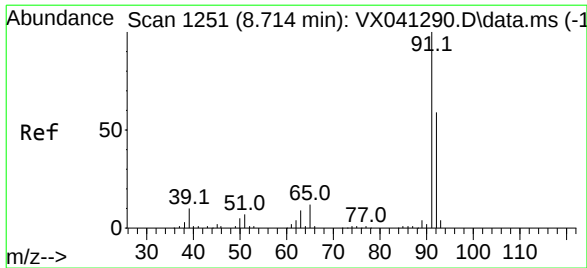
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 34967 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 84.0  | 64.6  | 97.0  |
| 98       | 54.0  | 36.7  | 55.1  |



#50  
Toluene-d8  
Concen: 51.733 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX041346.D  
Acq: 02 May 2024 12:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 285616 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 66.0  | 53.1  | 79.7   |





#52

Toluene

Concen: 0.450 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.012 min

Lab File: VX041346.D

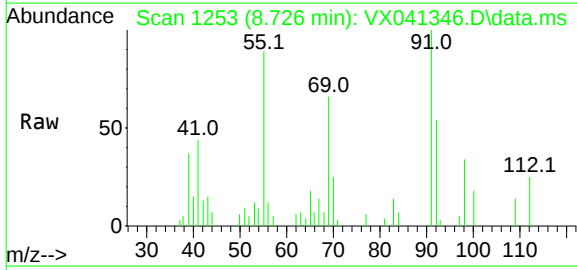
Acq: 02 May 2024 12:18

Instrument :

MSVOA\_X

ClientSampleId :

T3-MW-2-9.0-042424

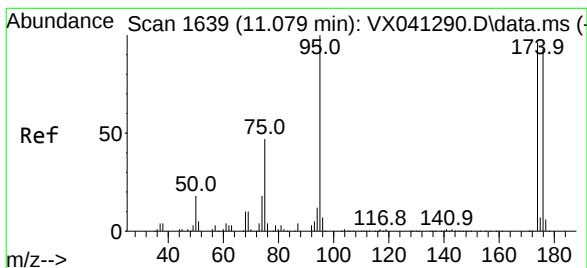
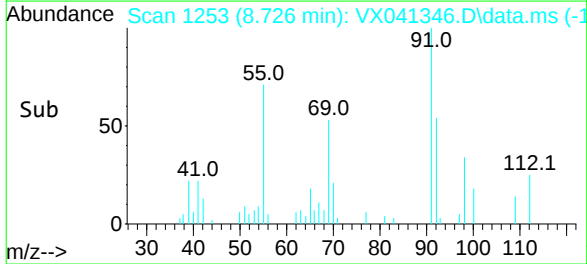
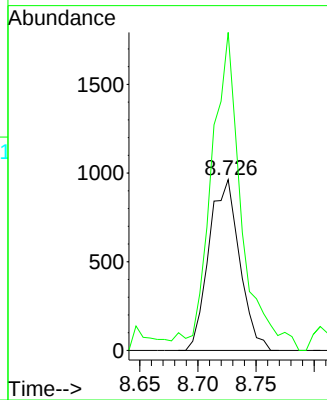


Tgt Ion: 92 Resp: 1769

Ion Ratio Lower Upper

92 100

91 183.6 134.2 201.2



#62

4-Bromofluorobenzene

Concen: 50.774 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041346.D

Acq: 02 May 2024 12:18

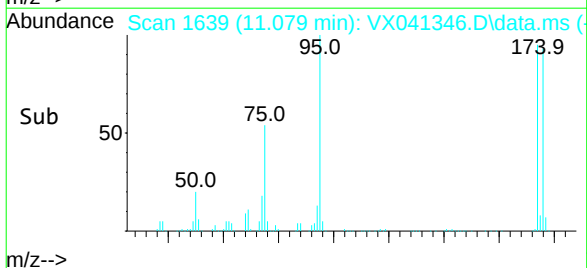
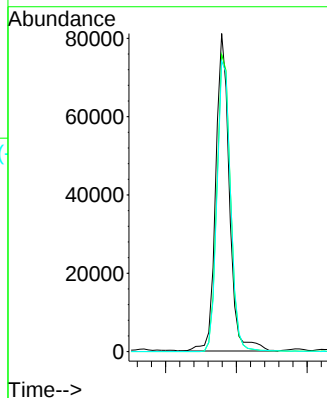
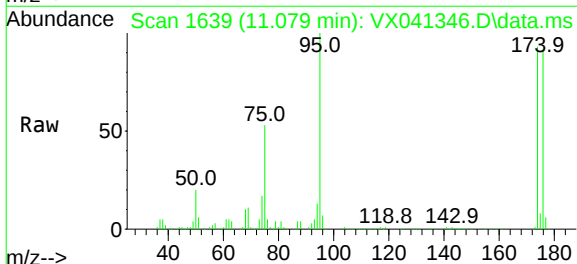
Tgt Ion: 95 Resp: 108515

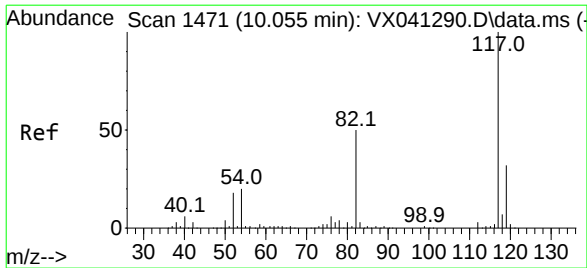
Ion Ratio Lower Upper

95 100

174 92.8 0.0 135.6

176 91.6 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041346.D

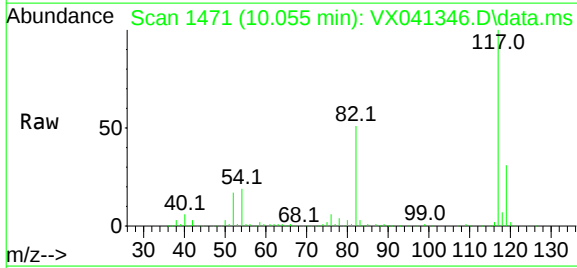
Acq: 02 May 2024 12:18

Instrument :

MSVOA\_X

ClientSampleId :

T3-MW-2-9.0-042424



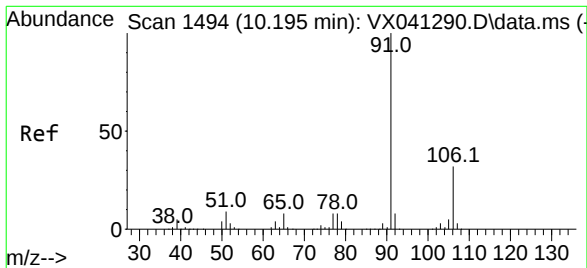
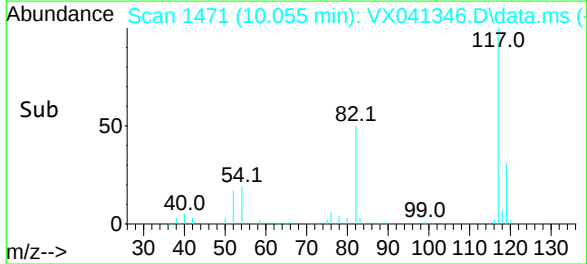
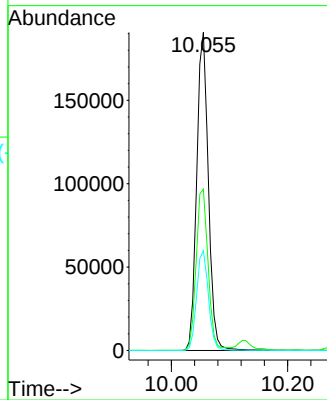
Tgt Ion:117 Resp: 265000

Ion Ratio Lower Upper

117 100

82 50.7 46.2 69.4

119 31.4 25.5 38.3



#67

Ethyl Benzene

Concen: 0.306 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX041346.D

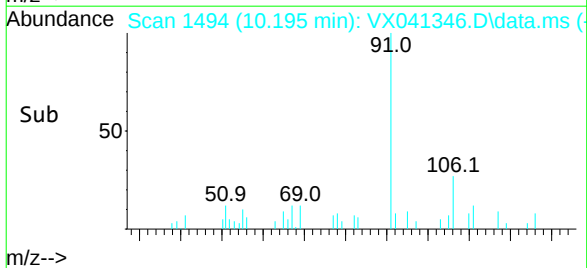
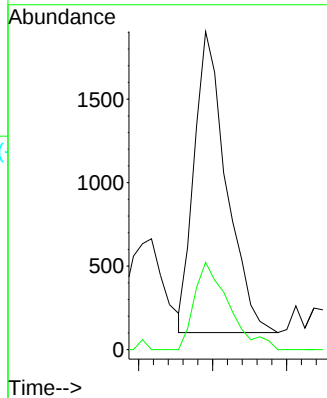
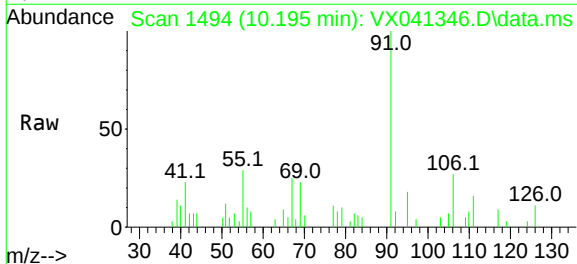
Acq: 02 May 2024 12:18

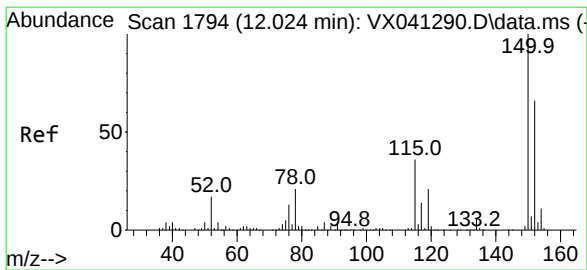
Tgt Ion: 91 Resp: 2720

Ion Ratio Lower Upper

91 100

106 29.0 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX041346.D

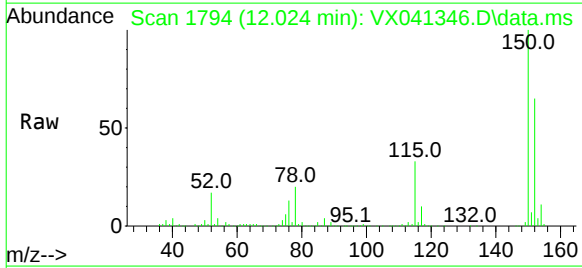
Acq: 02 May 2024 12:18

Instrument :

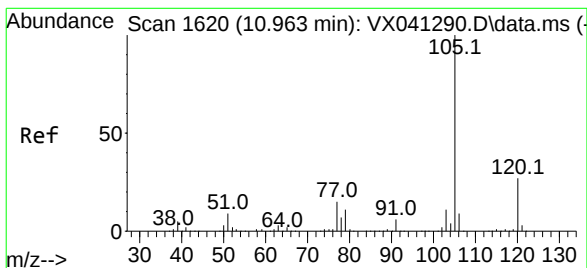
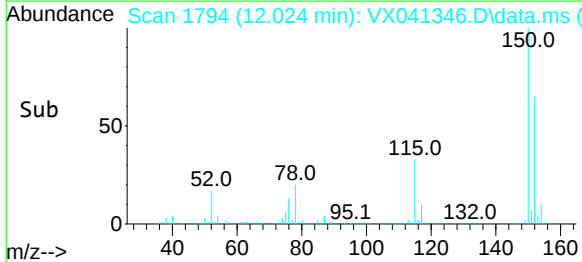
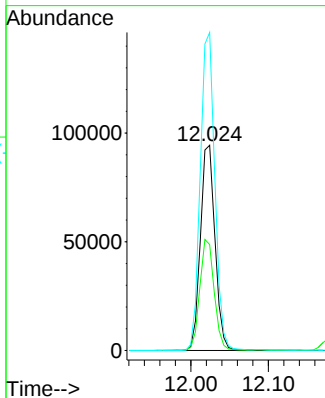
MSVOA\_X

ClientSampleId :

T3-MW-2-9.0-042424



| Tgt Ion:  | 152   | Resp: | 123890 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 53.7  | 43.3  | 129.9  |
| 150       | 154.0 | 0.0   | 345.0  |



#73

Isopropylbenzene

Concen: 18.899 ug/l

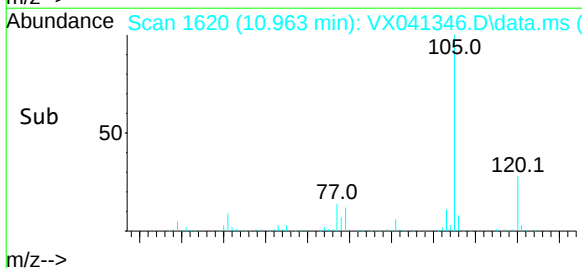
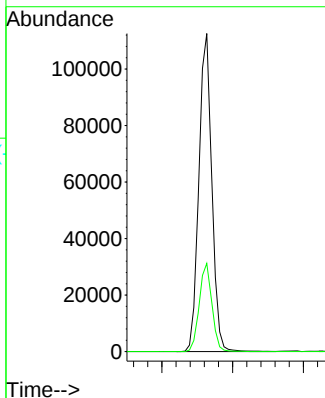
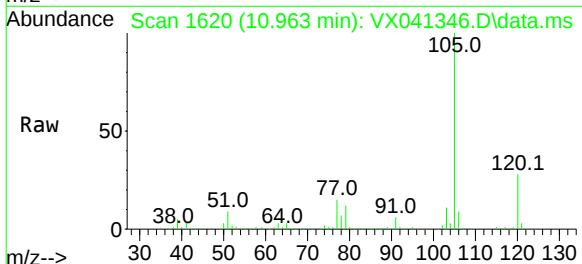
RT: 10.963 min Scan# 1620

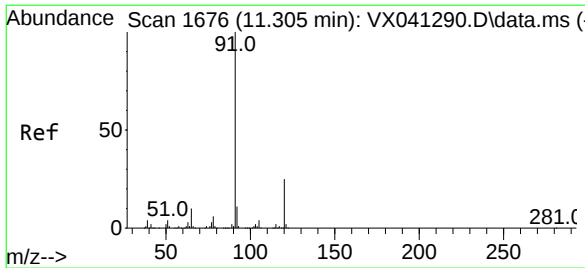
Delta R.T. 0.000 min

Lab File: VX041346.D

Acq: 02 May 2024 12:18

| Tgt Ion:  | 105   | Resp: | 142926 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 27.1  | 12.9  | 38.6   |





#78

n-propylbenzene

Concen: 88.885 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX041346.D

Acq: 02 May 2024 12:18

Instrument :

MSVOA\_X

ClientSampleId :

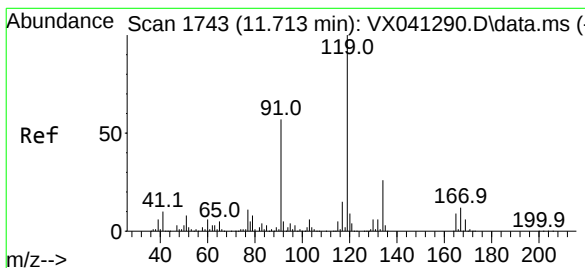
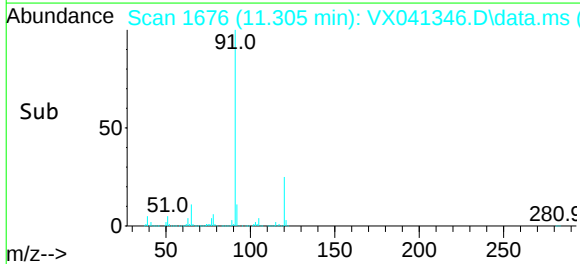
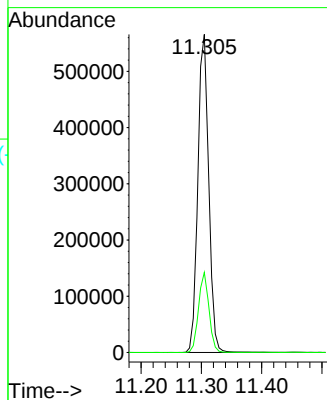
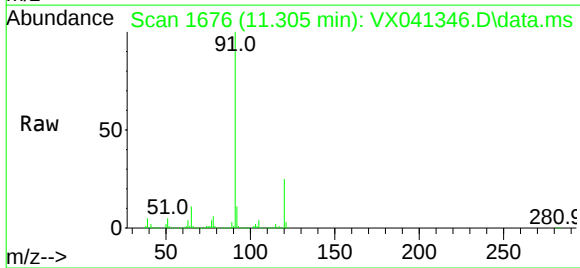
T3-MW-2-9.0-042424

Tgt Ion: 91 Resp: 705999

Ion Ratio Lower Upper

91 100

120 24.3 11.5 34.4



#83

tert-Butylbenzene

Concen: 3.167 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX041346.D

Acq: 02 May 2024 12:18

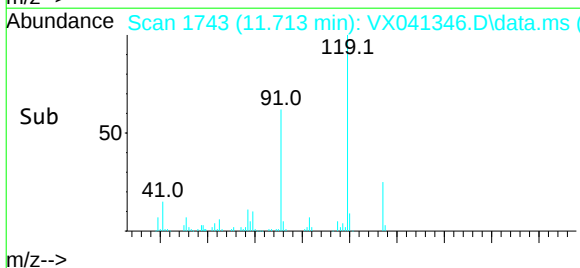
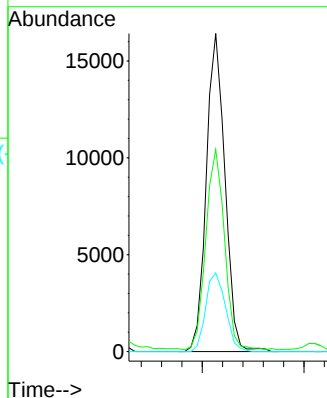
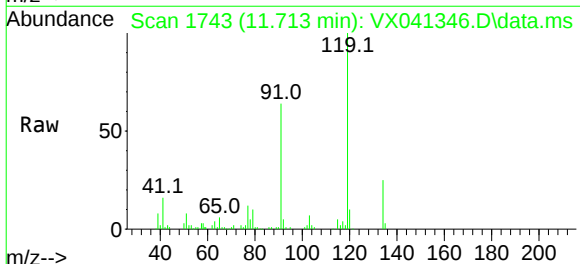
Tgt Ion: 119 Resp: 20908

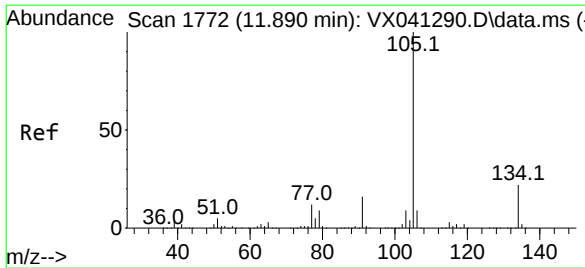
Ion Ratio Lower Upper

119 100

91 63.1 31.2 93.6

134 26.3 11.7 35.0





#85

sec-Butylbenzene

Concen: 15.613 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX041346.D

Acq: 02 May 2024 12:18

Instrument :

MSVOA\_X

ClientSampleId :

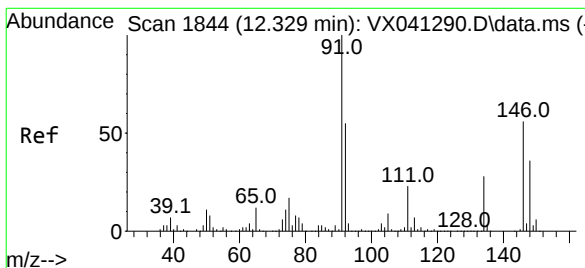
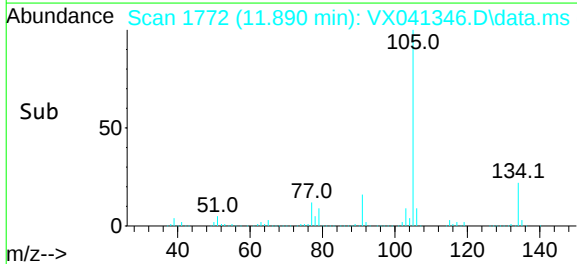
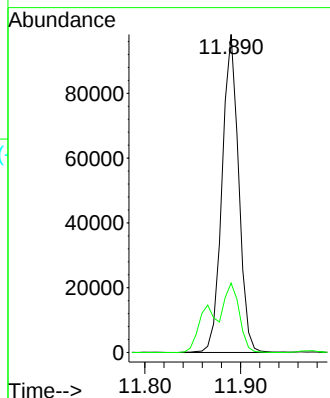
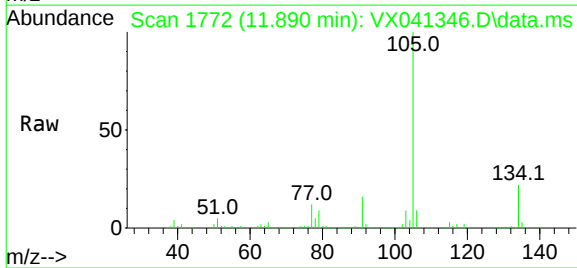
T3-MW-2-9.0-042424

Tgt Ion:105 Resp: 118118

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.4



#89

n-Butylbenzene

Concen: 23.749 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX041346.D

Acq: 02 May 2024 12:18

Tgt Ion: 91 Resp: 129755

Ion Ratio Lower Upper

91 100

92 40.9 27.4 82.0

134 64.7 12.6 37.8#

