

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091521\  
 Data File : VX024268.D  
 Acq On : 15 Sep 2021 18:11  
 Operator : JC/MD  
 Sample : M3724-18  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 33134

Quant Time: Sep 16 04:46:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 14 12:18:04 2021  
 Response via : Initial Calibration

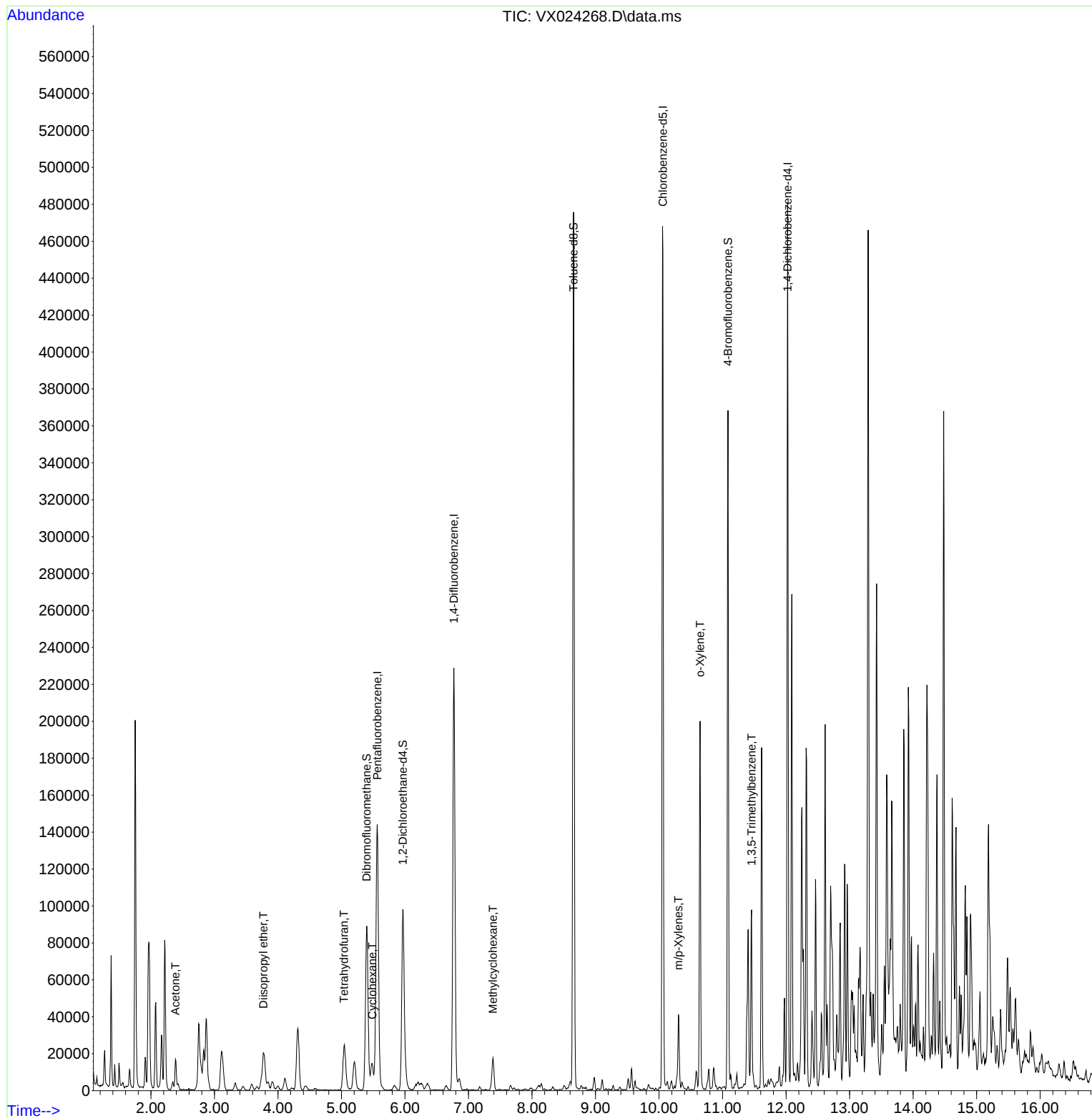
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.562  | 168   | 132016   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769  | 114   | 223615   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.061 | 117   | 209664   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 92184    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 97034    | 51.545   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 103.100% |
| 35) Dibromofluoromethane    | 5.397  | 113   | 75915    | 50.622   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 101.240% |
| 50) Toluene-d8              | 8.653  | 98    | 277169   | 50.734   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 101.460% |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 91469    | 43.022   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 86.040%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.386  | 43    | 17320    | 21.577   | ug/l # | 85       |
| 22) Diisopropyl ether       | 3.770  | 45    | 20763    | 4.779    | ug/l # | 81       |
| 29) Tetrahydrofuran         | 5.038  | 42    | 8800     | 11.892   | ug/l # | 54       |
| 31) Cyclohexane             | 5.483  | 56    | 9692     | 4.401    | ug/l   | 96       |
| 39) Methylcyclohexane       | 7.385  | 83    | 6420     | 2.616    | ug/l # | 80       |
| 68) m/p-Xylenes             | 10.305 | 106   | 8348     | 2.890    | ug/l   | 93       |
| 69) o-Xylene                | 10.646 | 106   | 42122    | 14.607   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 11.457 | 105   | 41359    | 7.148    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

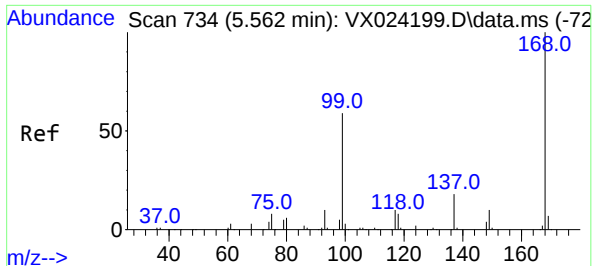
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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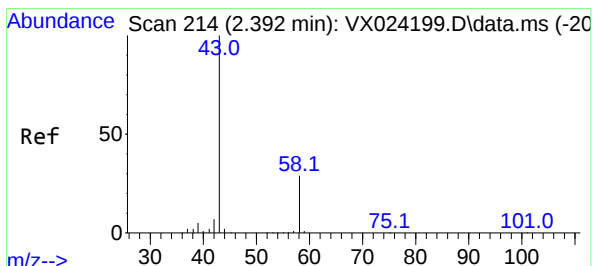
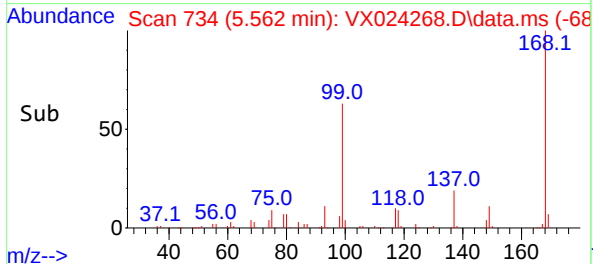
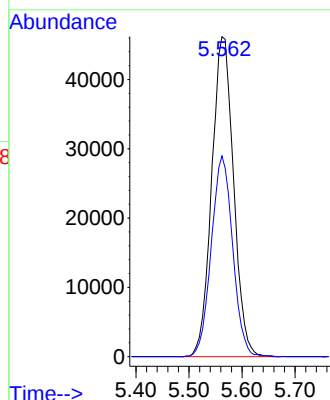
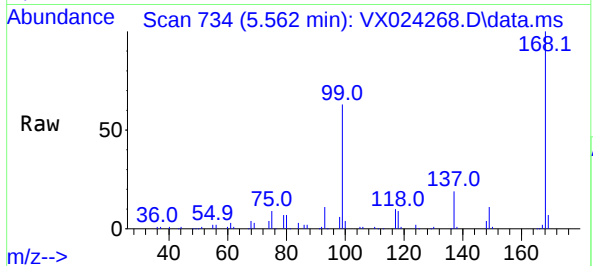




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

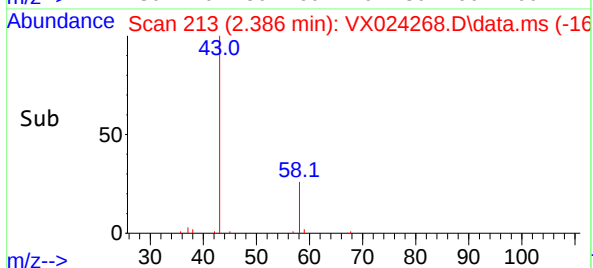
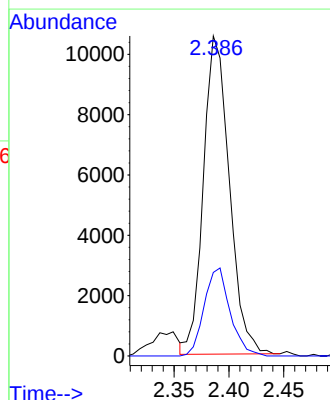
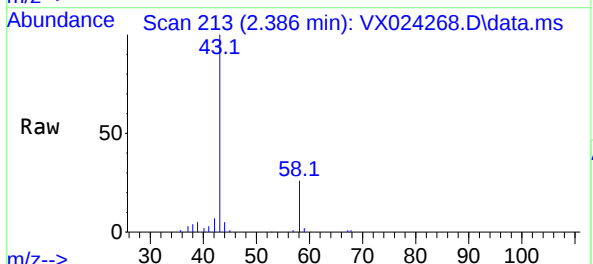
Instrument :  
MSVOA\_X  
ClientSampled :  
33134

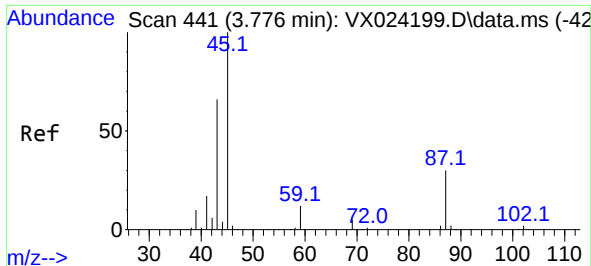
Tgt Ion:168 Resp: 132016  
Ion Ratio Lower Upper  
168 100  
99 62.8 45.8 68.6



#16  
Acetone  
Concen: 21.577 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

Tgt Ion: 43 Resp: 17320  
Ion Ratio Lower Upper  
43 100  
58 26.3 27.8 41.8#

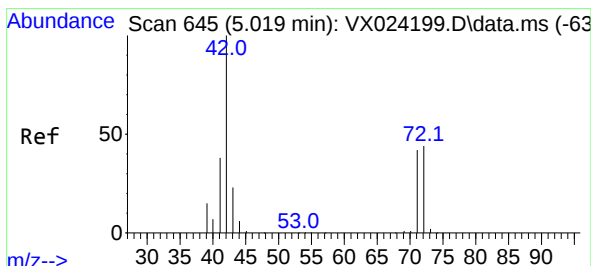
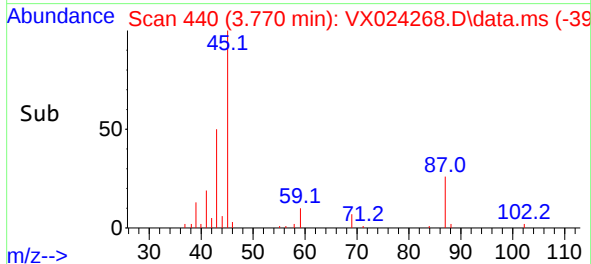
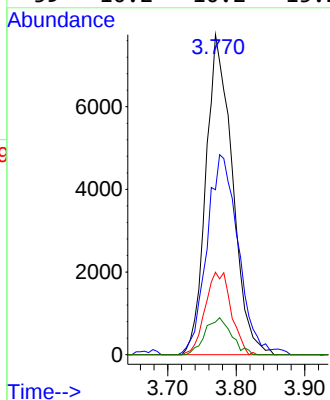
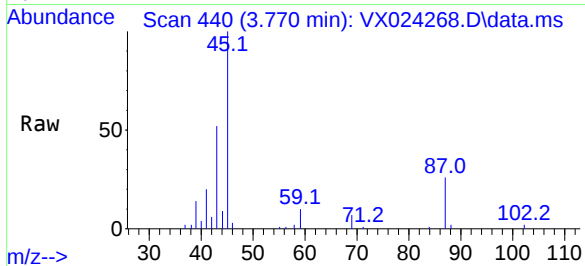




#22  
Diisopropyl ether  
Concen: 4.779 ug/l  
RT: 3.770 min Scan# 440  
Delta R.T. -0.006 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

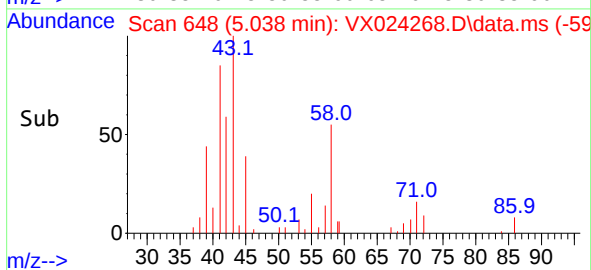
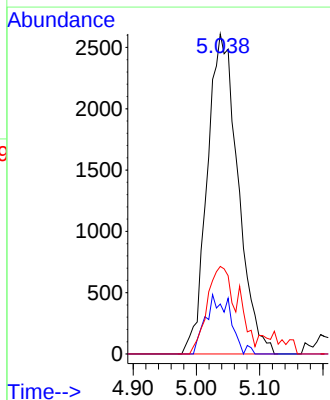
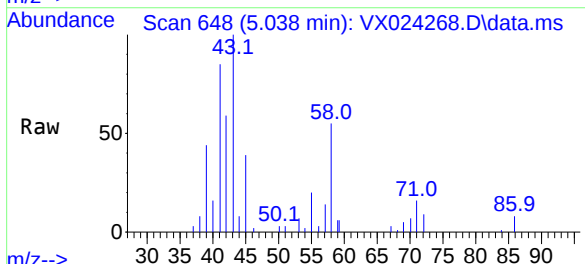
Instrument :  
MSVOA\_X  
ClientSampled :  
33134

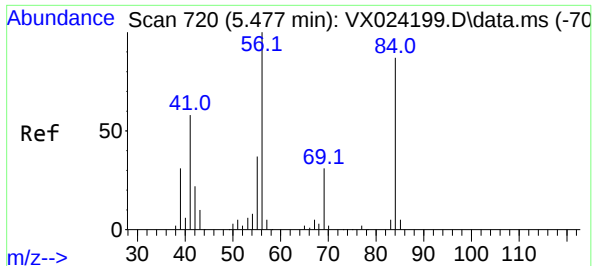
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 20763 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 51.6  | 58.0  | 87.0# |
| 87       | 25.8  | 25.4  | 38.0  |
| 59       | 10.2  | 10.2  | 15.2  |



#29  
Tetrahydrofuran  
Concen: 11.892 ug/l  
RT: 5.038 min Scan# 648  
Delta R.T. 0.019 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 8800  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 14.4  | 41.7  | 62.5# |
| 71       | 21.8  | 38.4  | 57.6# |

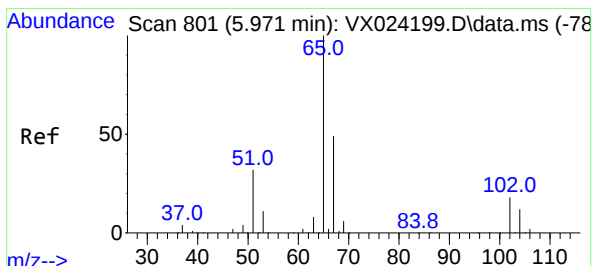
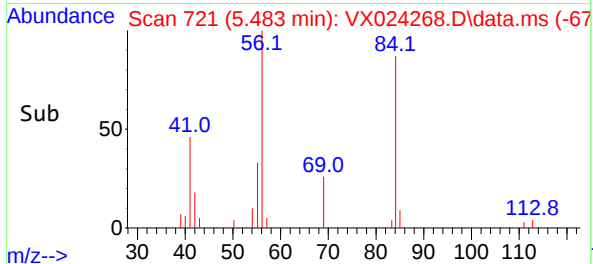
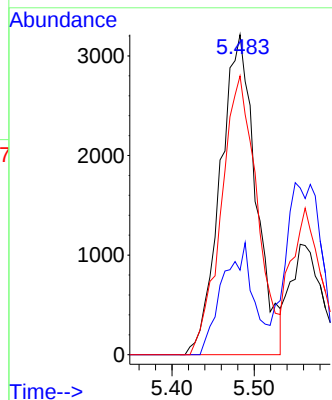
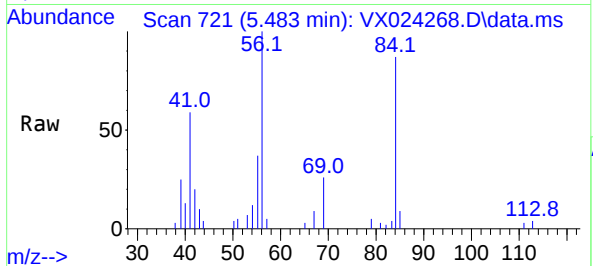




#31  
Cyclohexane  
Concen: 4.401 ug/l  
RT: 5.483 min Scan# 721  
Delta R.T. 0.006 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

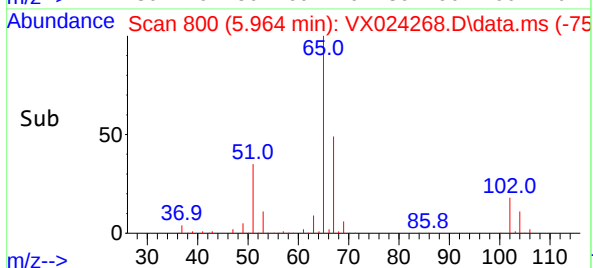
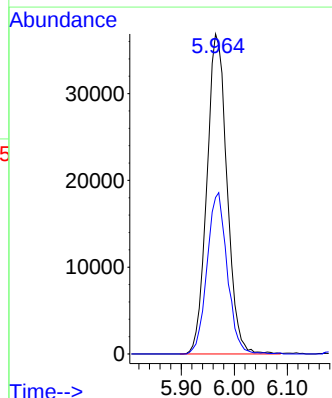
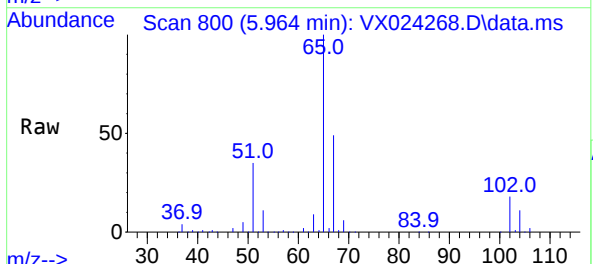
Instrument :  
MSVOA\_X  
ClientSampled :  
33134

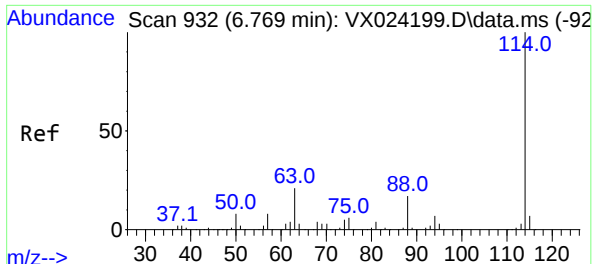
Tgt Ion: 56 Resp: 9692  
Ion Ratio Lower Upper  
56 100  
69 26.4 25.3 37.9  
84 87.1 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 51.545 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. -0.007 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

Tgt Ion: 65 Resp: 97034  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 105.4



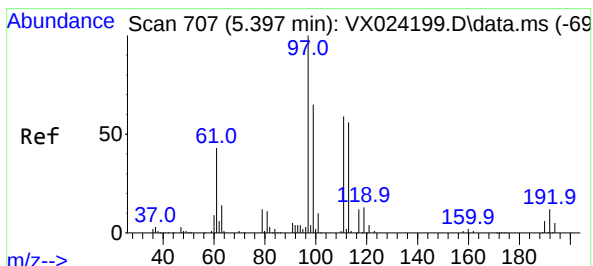
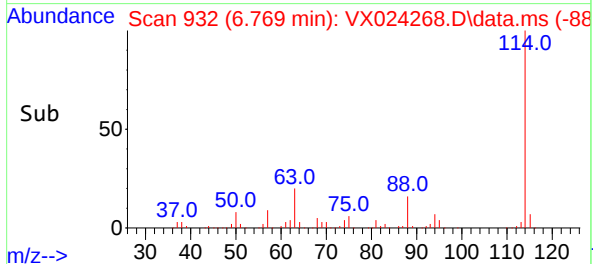
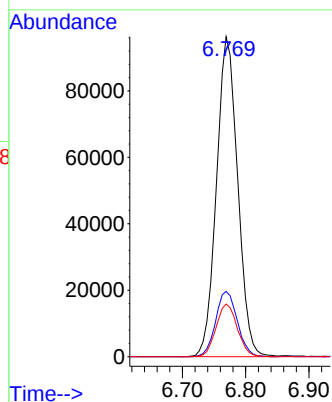
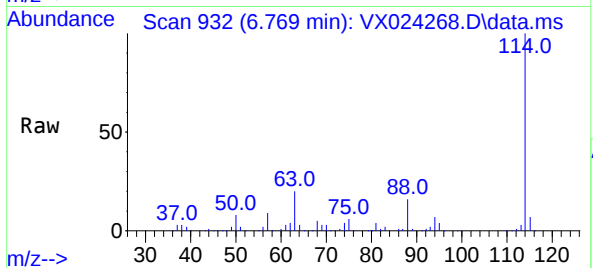


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

Instrument :  
MSVOA\_X  
ClientSampled :  
33134

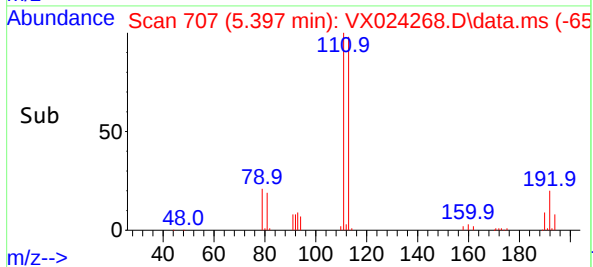
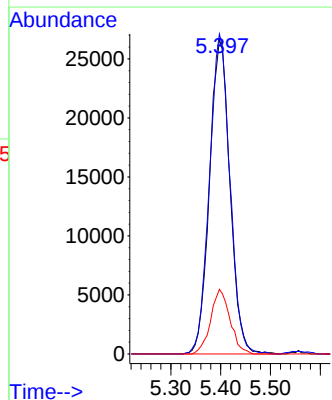
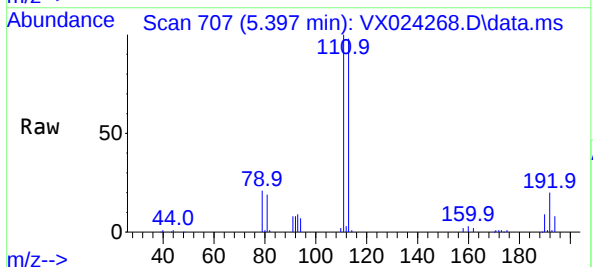
Tgt Ion:114 Resp: 223615  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 40.8  
88 16.5 0.0 32.8

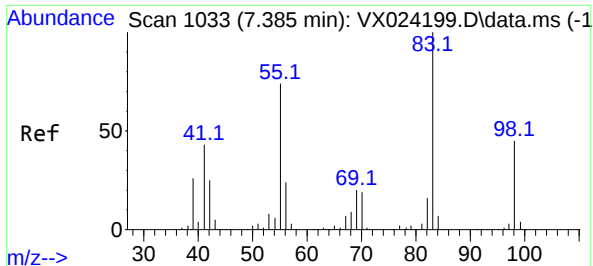


#35

Dibromofluoromethane  
Concen: 50.622 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

Tgt Ion:113 Resp: 75915  
Ion Ratio Lower Upper  
113 100  
111 101.7 81.9 122.9  
192 19.4 16.7 25.1





#39

Methylcyclohexane

Concen: 2.616 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX024268.D

Acq: 15 Sep 2021 18:11

Instrument :

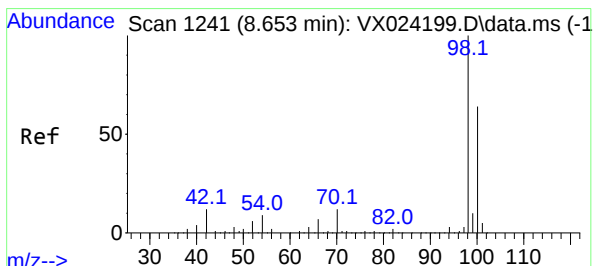
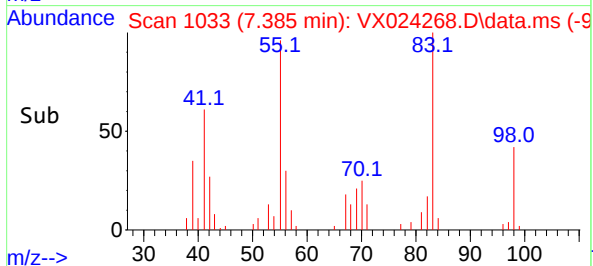
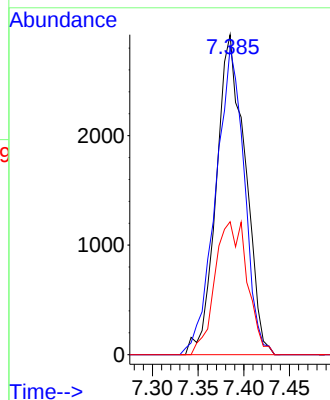
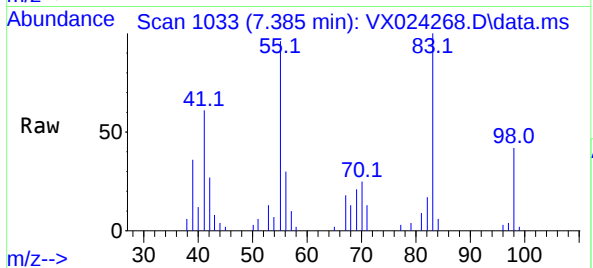
MSVOA\_X

ClientSampleId :

33134

Tgt Ion: 83 Resp: 6420

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 96.1  | 58.9  | 88.3# |
| 98  | 41.5  | 38.1  | 57.1  |



#50

Toluene-d8

Concen: 50.734 ug/l

RT: 8.653 min Scan# 1241

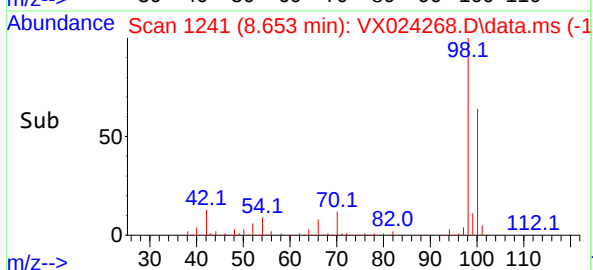
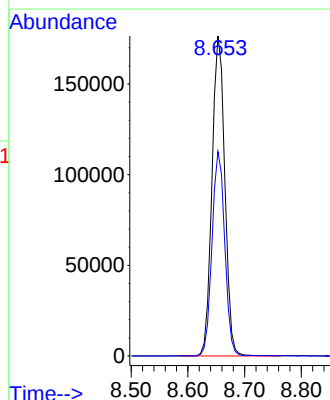
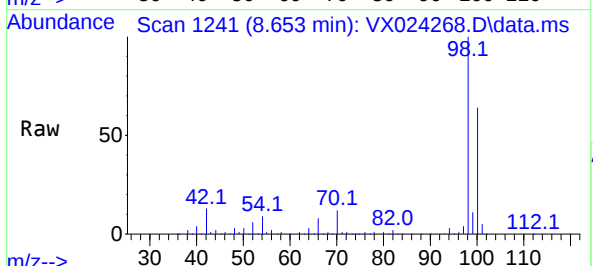
Delta R.T. -0.000 min

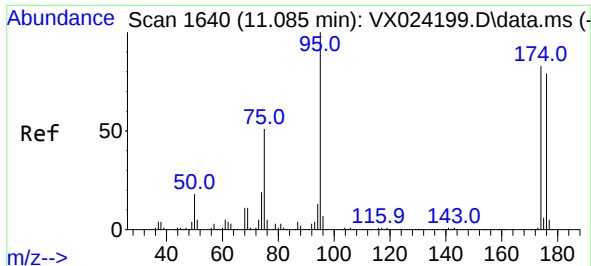
Lab File: VX024268.D

Acq: 15 Sep 2021 18:11

Tgt Ion: 98 Resp: 277169

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 63.4  | 51.9  | 77.9  |

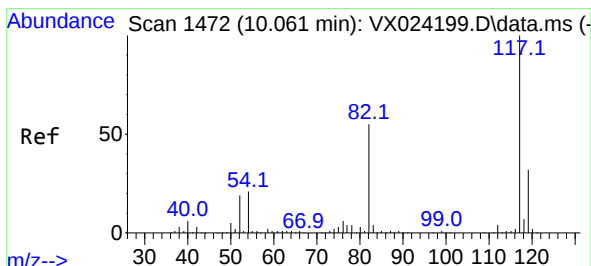
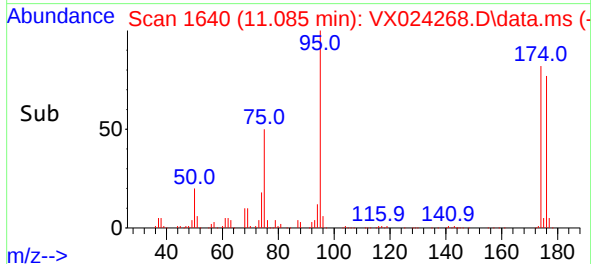
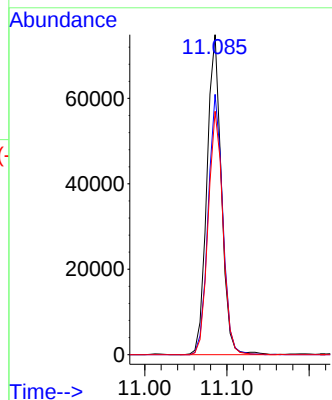
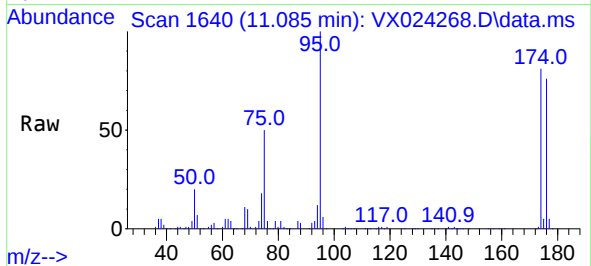




#62  
4-Bromofluorobenzene  
Concen: 43.022 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

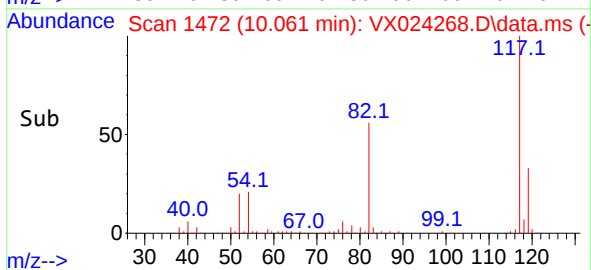
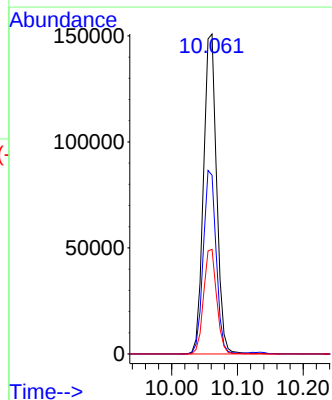
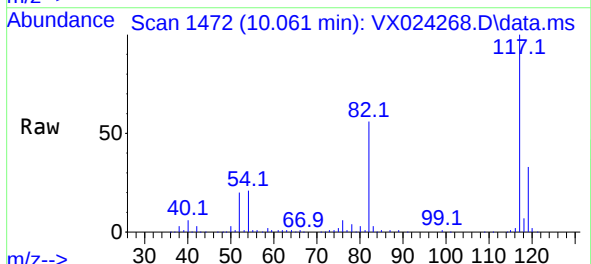
Instrument :  
MSVOA\_X  
ClientSampleId :  
33134

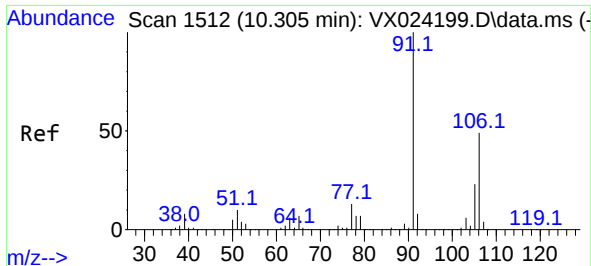
Tgt Ion: 95 Resp: 91469  
Ion Ratio Lower Upper  
95 100  
174 81.9 0.0 154.6  
176 77.4 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

Tgt Ion: 117 Resp: 209664  
Ion Ratio Lower Upper  
117 100  
82 55.8 47.4 71.2  
119 32.7 26.6 39.8

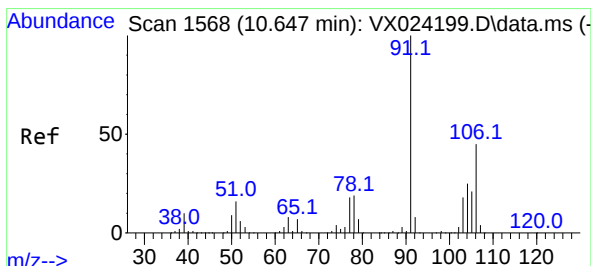
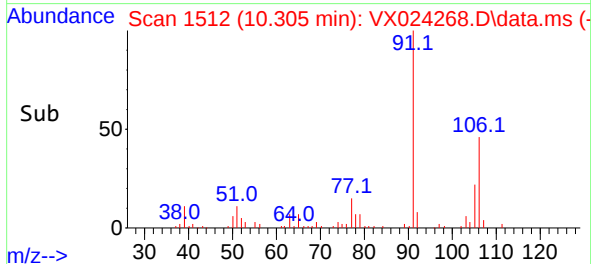
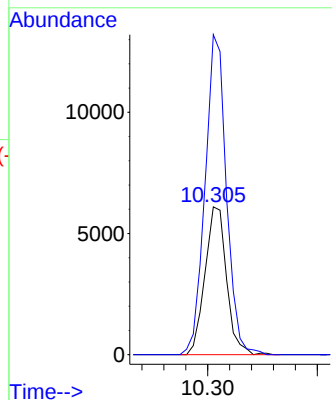
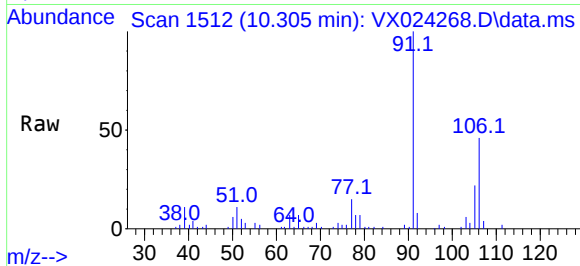




#68  
m/p-Xylenes  
Concen: 2.890 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

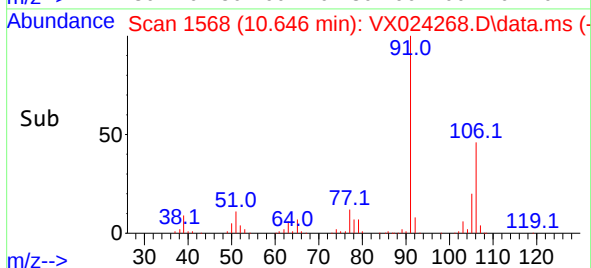
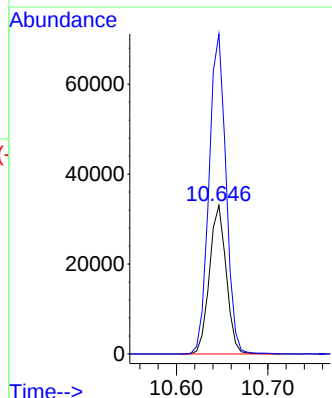
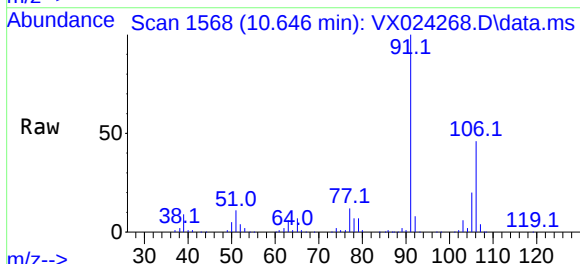
Instrument :  
MSVOA\_X  
ClientSampled :  
33134

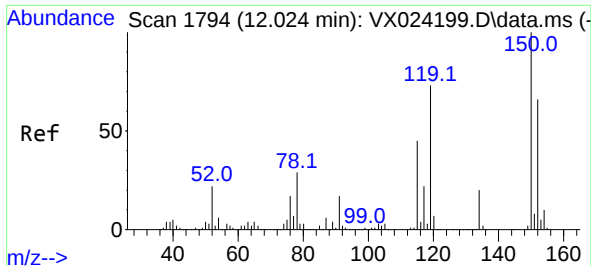
Tgt Ion:106 Resp: 8348  
Ion Ratio Lower Upper  
106 100  
91 213.7 162.8 244.2



#69  
o-Xylene  
Concen: 14.607 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. -0.001 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

Tgt Ion:106 Resp: 42122  
Ion Ratio Lower Upper  
106 100  
91 217.8 108.1 324.2

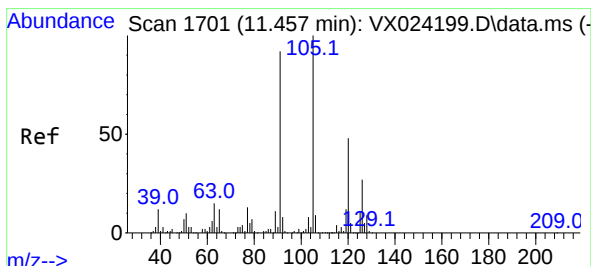
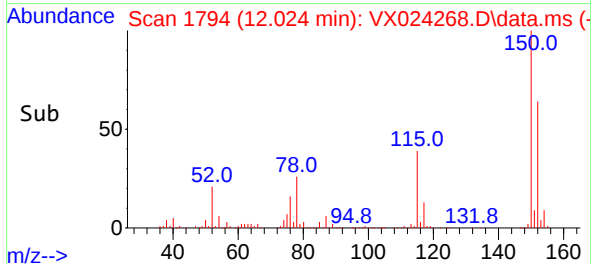
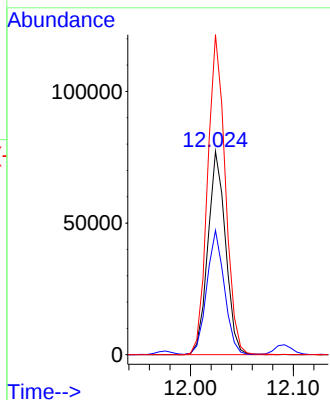
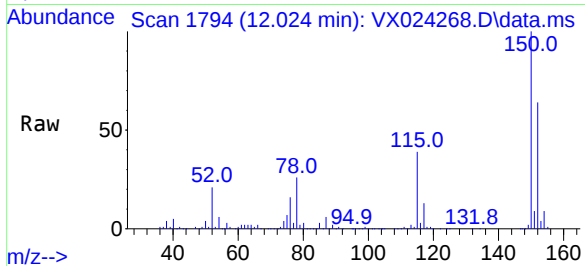




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

Instrument :  
MSVOA\_X  
ClientSampled :  
33134

Tgt Ion:152 Resp: 92184  
Ion Ratio Lower Upper  
152 100  
115 61.1 41.1 123.3  
150 157.9 0.0 349.0



#80  
1,3,5-Trimethylbenzene  
Concen: 7.148 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VX024268.D  
Acq: 15 Sep 2021 18:11

Tgt Ion:105 Resp: 41359  
Ion Ratio Lower Upper  
105 100  
120 47.2 23.8 71.5

