

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032321\  
 Data File : VY004170.D  
 Acq On : 23 Mar 2021 11:52  
 Operator : SY/MD  
 Sample : M1768-01  
 Misc : 9.14g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-02-032221

Manual Integrations  
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 3/24/2021 6:16:36 PM

Quant Time: Mar 24 01:18:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 08 12:28:55 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-----------|----------|
| -----                       |        |       |          |          |           |          |
| Internal Standards          |        |       |          |          |           |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 199370   | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 327333   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 293748   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 131743   | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 107845   | 54.81    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 109.62% |          |
| 35) Dibromofluoromethane    | 7.728  | 113   | 99182    | 53.73    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 107.46% |          |
| 50) Toluene-d8              | 10.185 | 98    | 385267   | 53.24    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 106.48% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 130387   | 48.79    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 97.58%  |          |
| Target Compounds            |        |       |          |          |           |          |
|                             |        |       |          |          |           | Qvalue   |
| 16) Acetone                 | 3.972  | 43    | 9150     | 19.27    | ug/l      | 100      |
| 69) o-Xylene                | 12.032 | 106   | 7856     | 2.11     | ug/l      | 93       |
| 80) 1,3,5-Trimethylbenzene  | 12.812 | 105   | 35484    | 4.57     | ug/l      | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.123 | 105   | 45025    | 5.79     | ug/l      | 99       |
| 86) p-Isopropyltoluene      | 13.373 | 119   | 12023    | 1.41     | ug/l      | 96       |
| 89) n-Butylbenzene          | 13.696 | 91    | 12013m   | 1.48     | ug/l      |          |
| 95) Naphthalene             | 15.239 | 128   | 25216    | 5.18     | ug/l #    | 86       |
| -----                       |        |       |          |          |           |          |

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

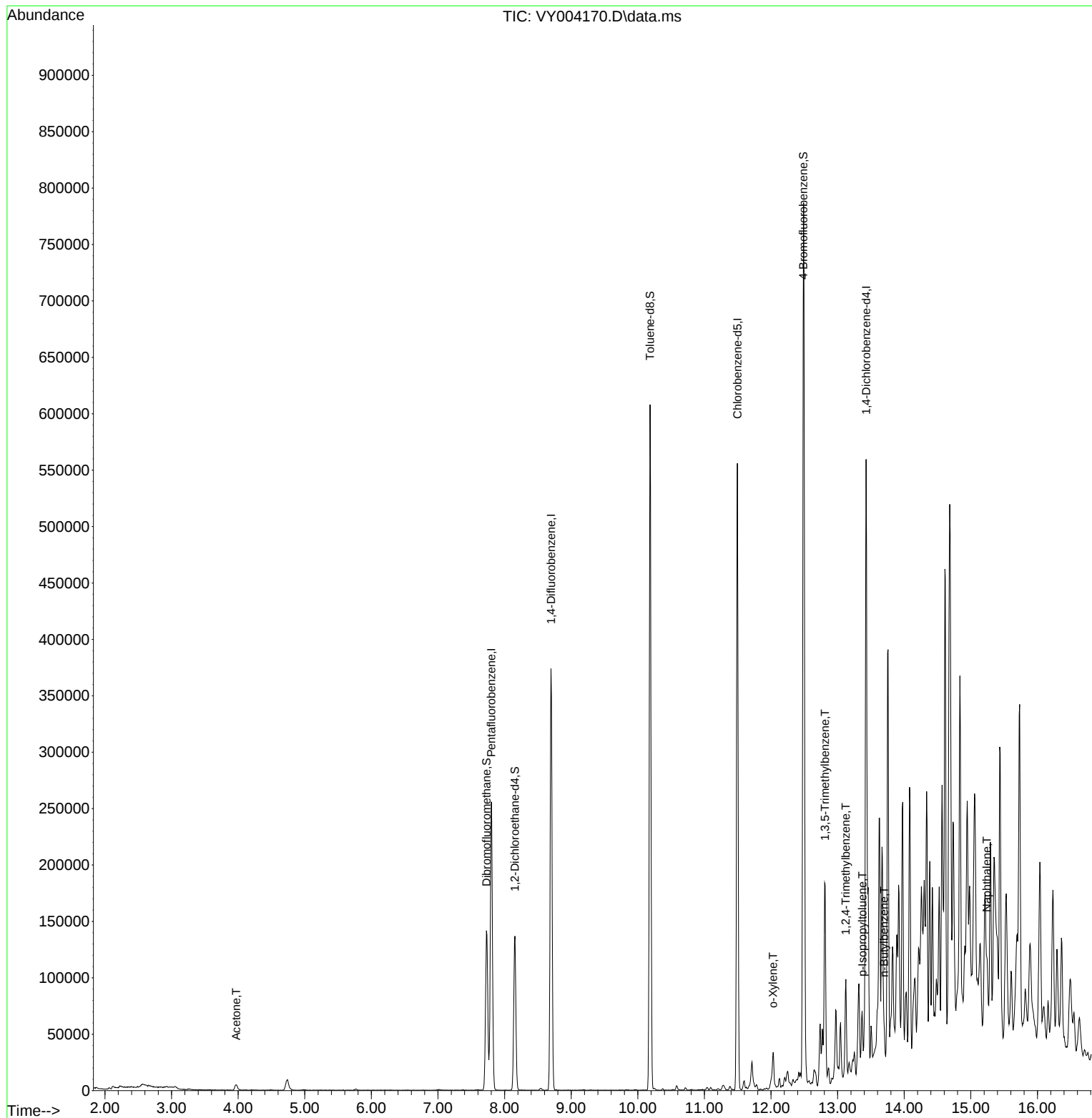
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032321\  
Data File : VY004170.D  
Acq On : 23 Mar 2021 11:52  
Operator : SY/MD  
Sample : M1768-01  
Misc : 9.14g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

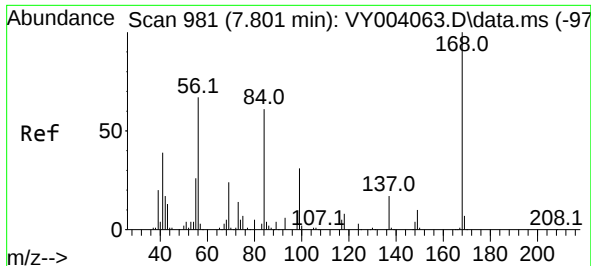
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-032221

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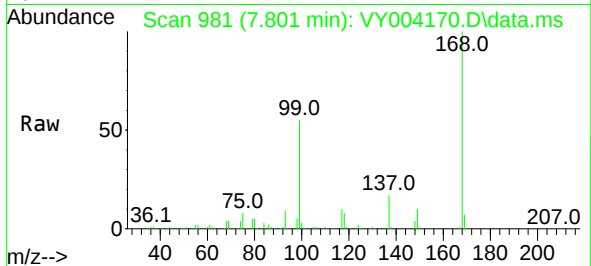
Quant Time: Mar 24 01:18:27 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 08 12:28:55 2021  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

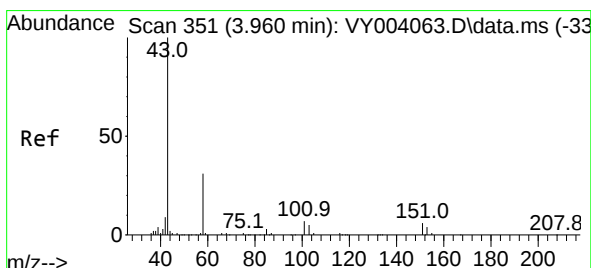
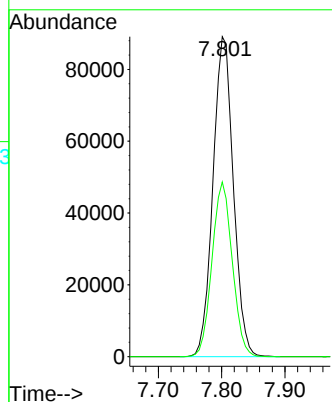
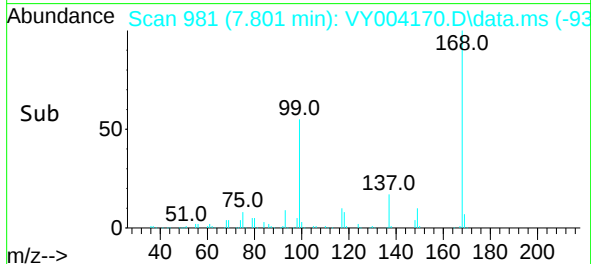
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-032221



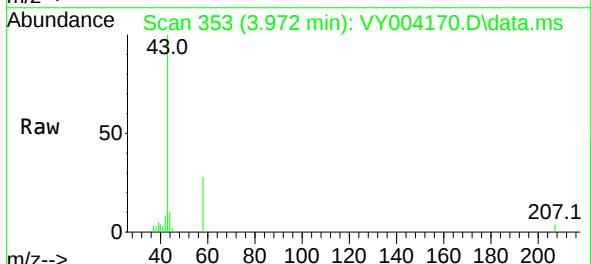
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Ion Ratio Lower Upper  
168 100  
99 54.6 41.2 61.8

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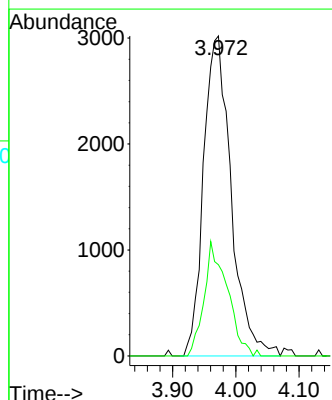
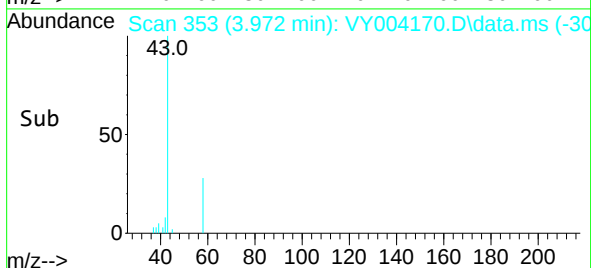
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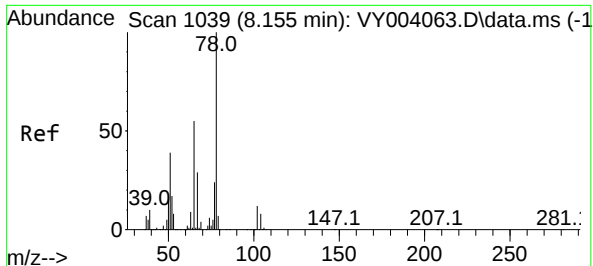


#16  
Acetone  
Concen: 19.27 ug/l  
RT: 3.972 min Scan# 353  
Delta R.T. 0.012 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52



Tgt Ion: 43 Resp: 9150  
Ion Ratio Lower Upper  
43 100  
58 28.5 22.6 34.0





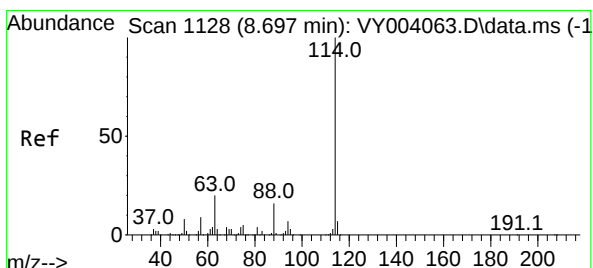
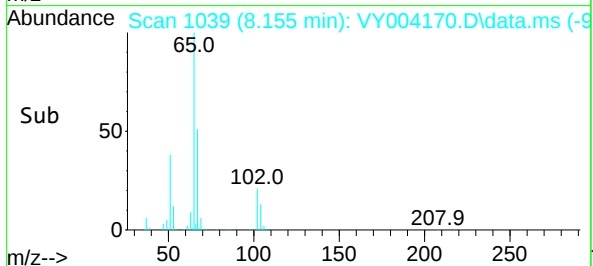
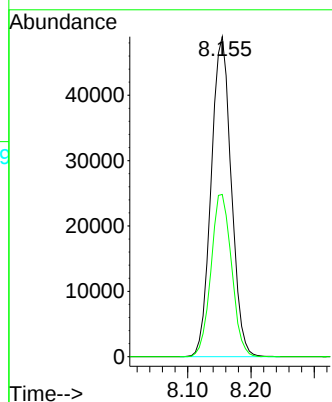
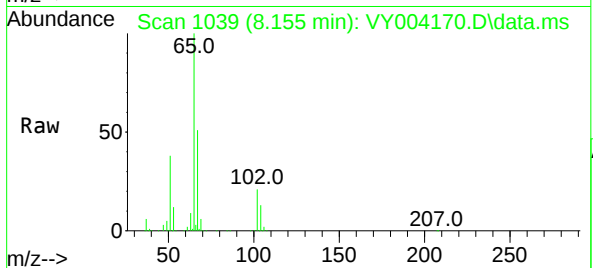
#33  
1,2-Dichloroethane-d4  
Concen: 54.81 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

Tgt Ion: 65 Resp: 107845  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 101.4

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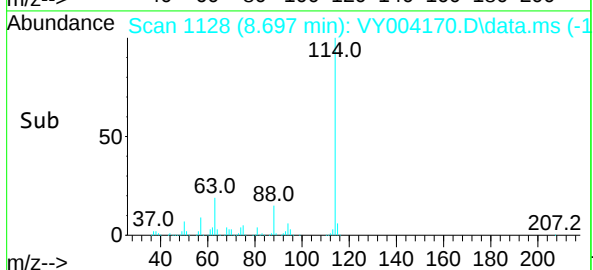
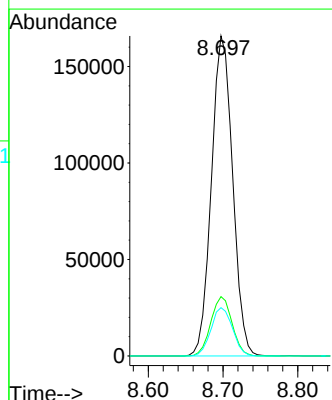
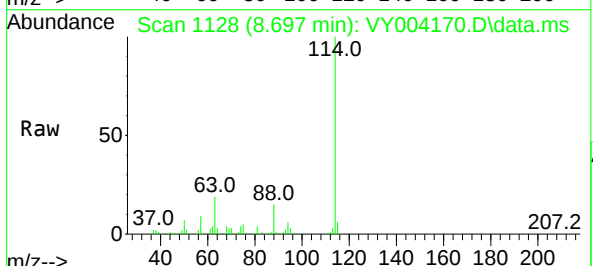
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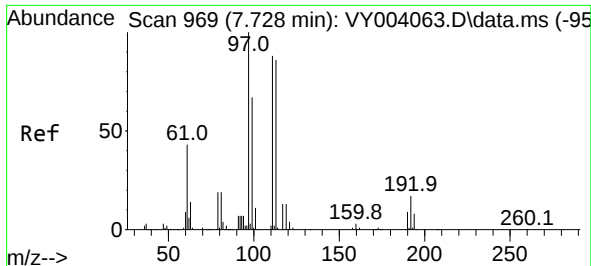
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#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

Tgt Ion: 114 Resp: 327333  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 41.6  
88 15.1 0.0 31.4





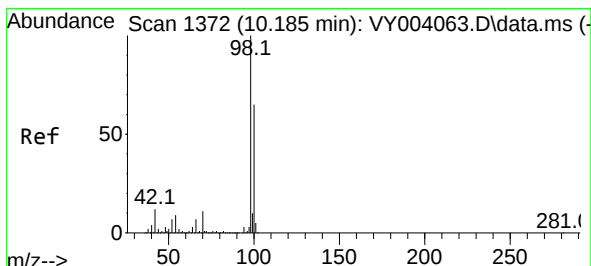
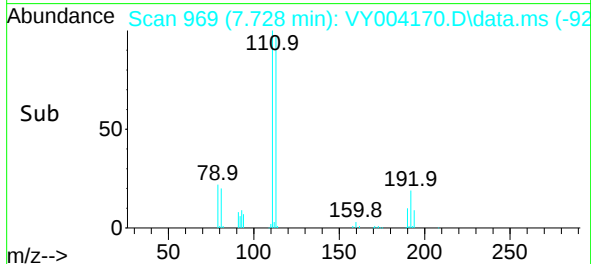
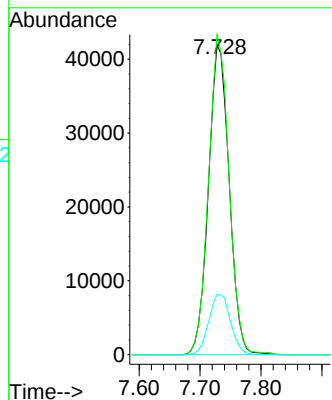
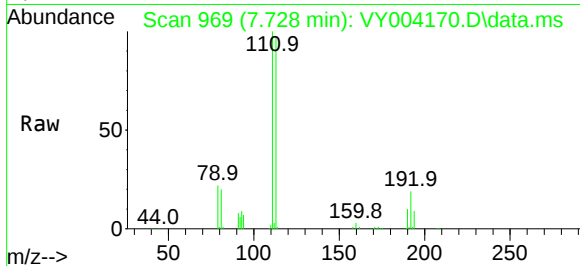
#35  
Dibromofluoromethane  
Concen: 53.73 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 83.2  | 124.8 |
| 192     | 20.3  | 18.5  | 27.7  |

Instrument :  
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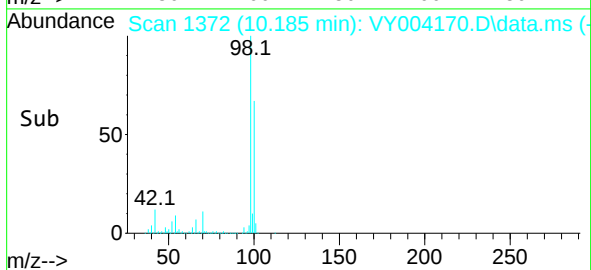
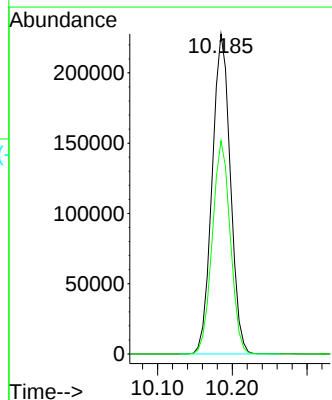
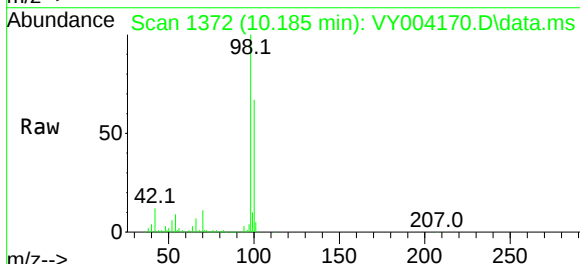
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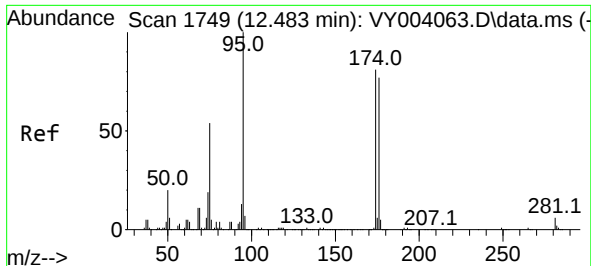
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#50  
Toluene-d8  
Concen: 53.24 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

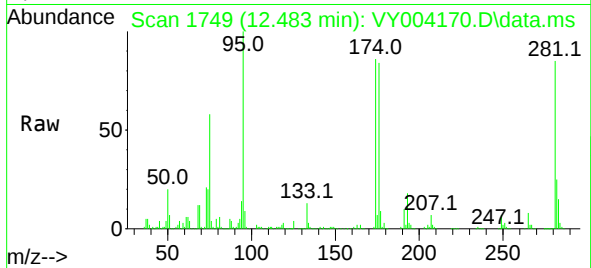
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.7  | 51.8  | 77.6  |





#62  
4-Bromofluorobenzene  
Concen: 48.79 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

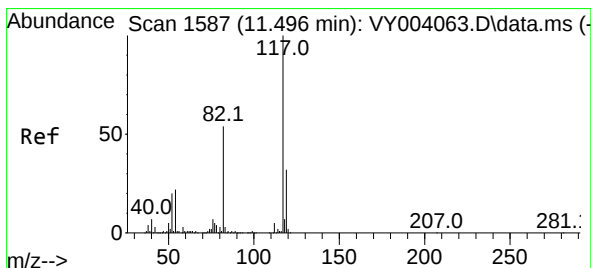
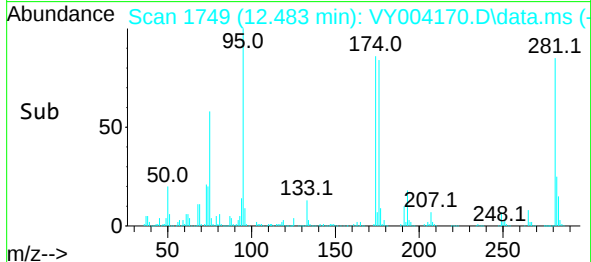
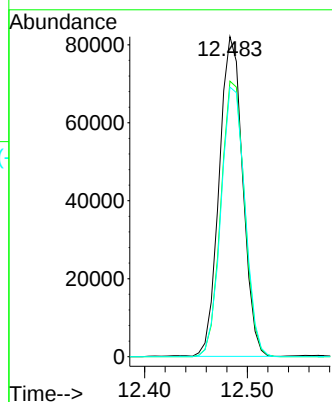
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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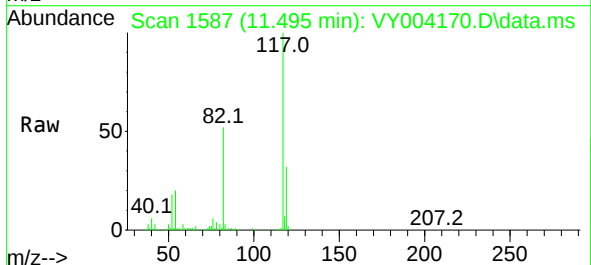
Tgt Ion: 95 Resp: 130387  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 179.0  
176 85.6 0.0 174.4

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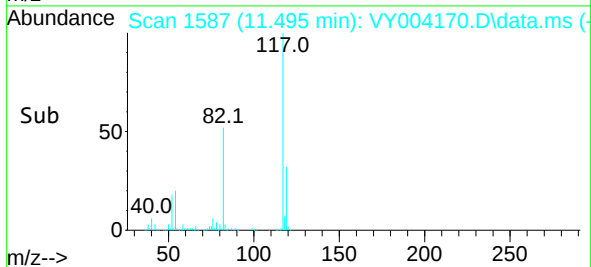
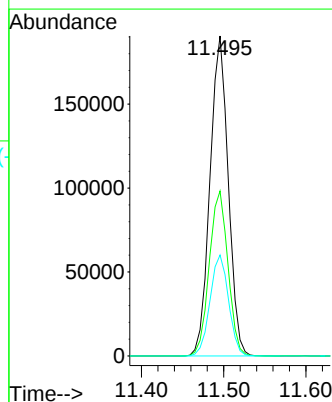
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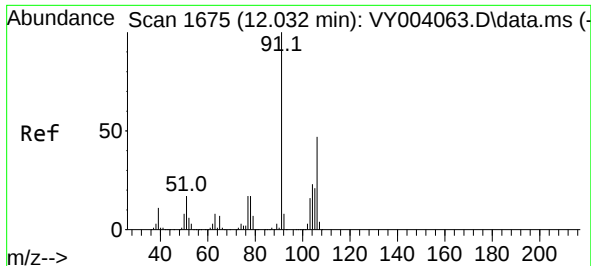


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.001 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52



Tgt Ion: 117 Resp: 293748  
Ion Ratio Lower Upper  
117 100  
82 51.5 43.8 65.6  
119 31.5 26.2 39.2





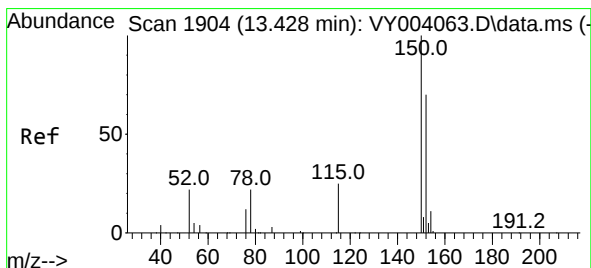
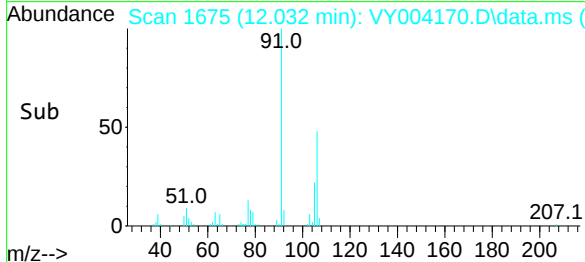
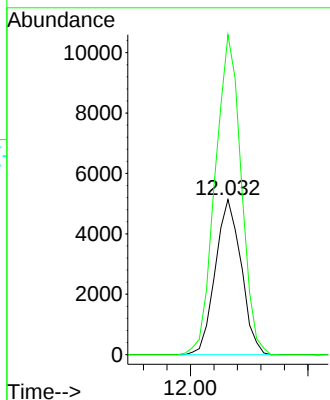
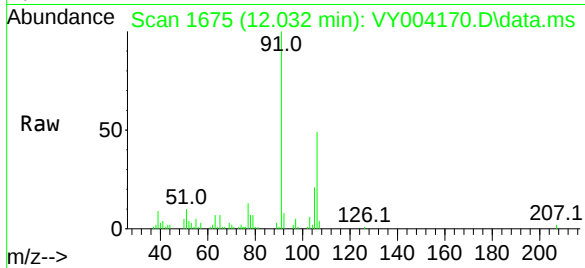
#69  
o-Xylene  
Concen: 2.11 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. -0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

Tgt Ion:106 Resp: 7856  
Ion Ratio Lower Upper  
106 100  
91 207.1 108.9 326.7

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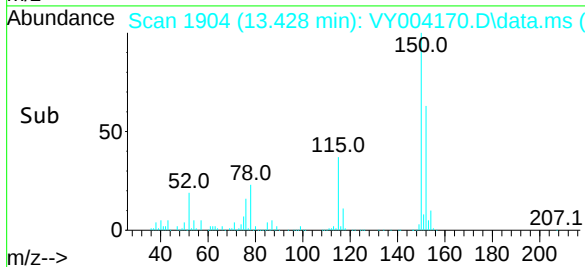
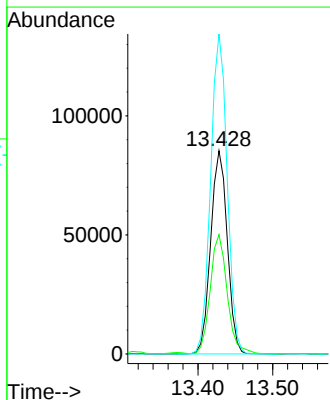
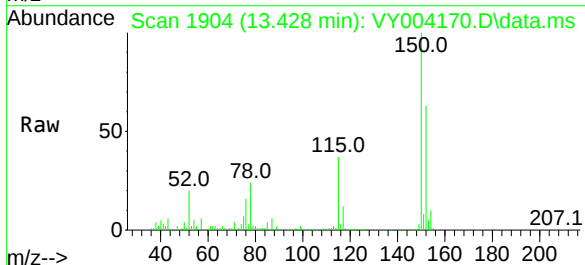
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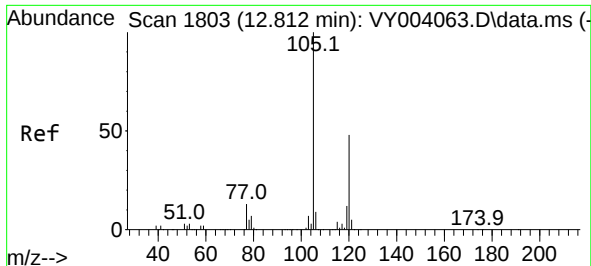
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

Tgt Ion:152 Resp: 131743  
Ion Ratio Lower Upper  
152 100  
115 60.3 28.2 84.6  
150 156.1 0.0 347.2





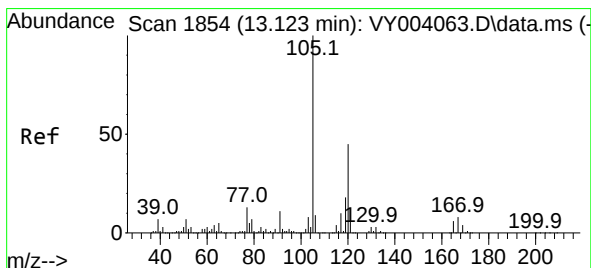
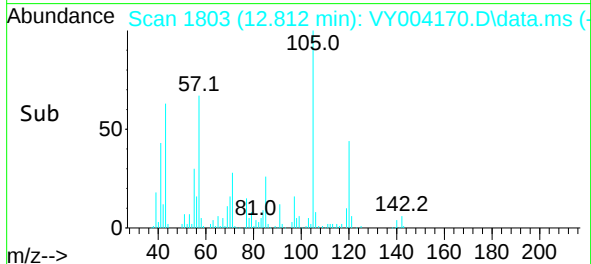
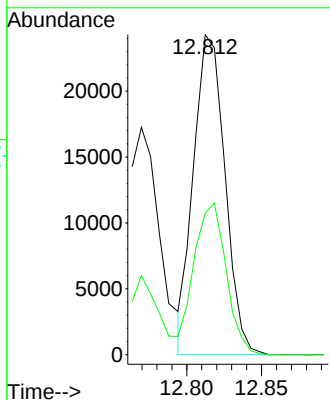
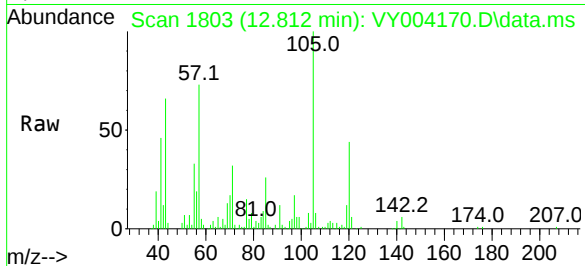
#80  
1,3,5-Trimethylbenzene  
Concen: 4.57 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

Tgt Ion:105 Resp: 35484  
Ion Ratio Lower Upper  
105 100  
120 48.4 24.1 72.2

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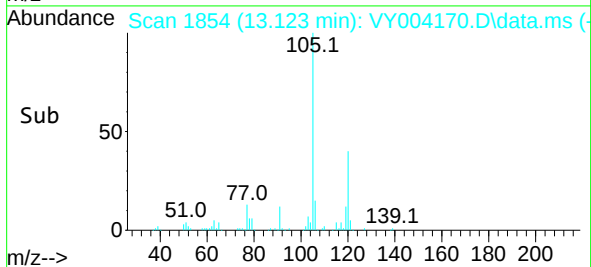
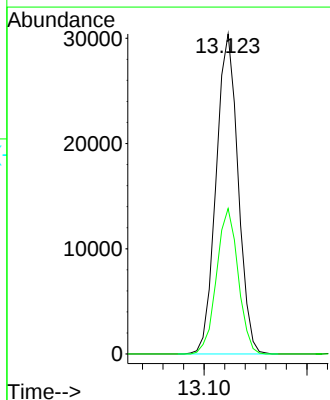
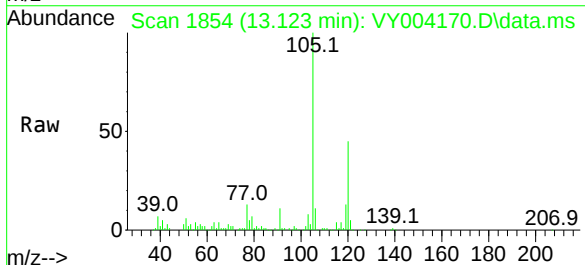
Manual Integrations  
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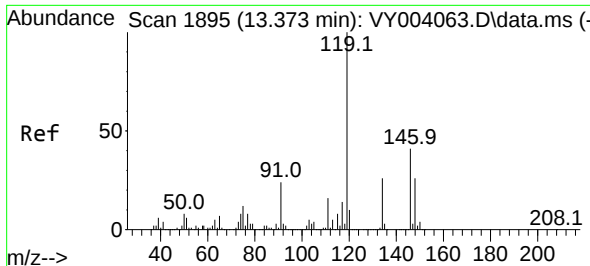
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 5.79 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

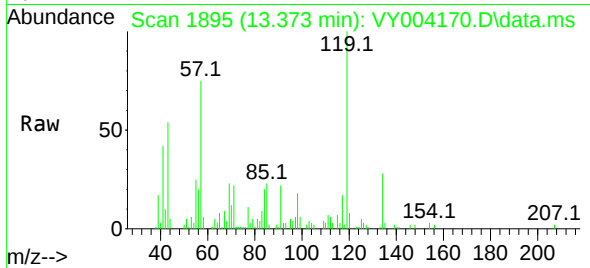
Tgt Ion:105 Resp: 45025  
Ion Ratio Lower Upper  
105 100  
120 44.6 22.1 66.3





#86  
p-Isopropyltoluene  
Concen: 1.41 ug/l  
RT: 13.373 min Scan# 1895  
Delta R.T. 0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

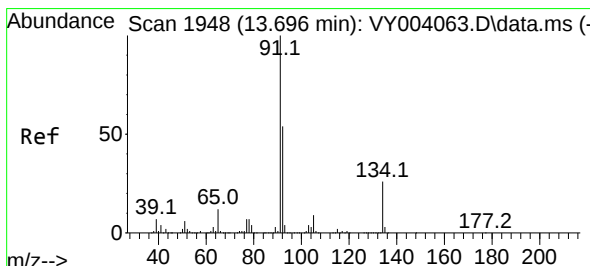
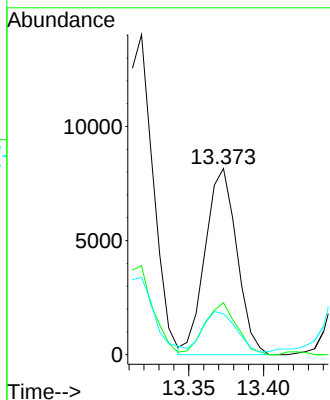
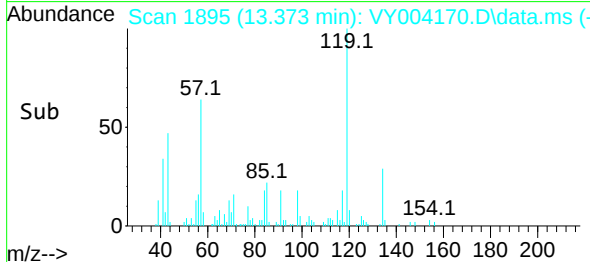
Instrument :  
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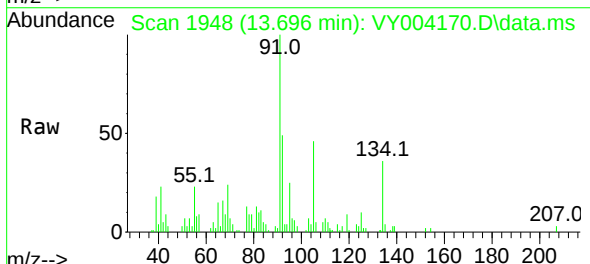
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Ion Ratio Lower Upper  
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Manual Integrations  
APPROVED

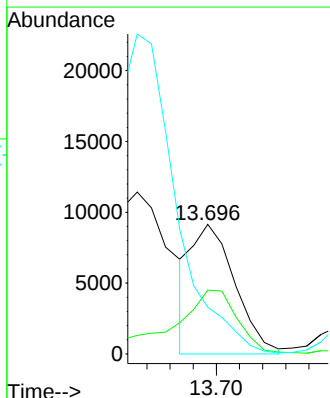
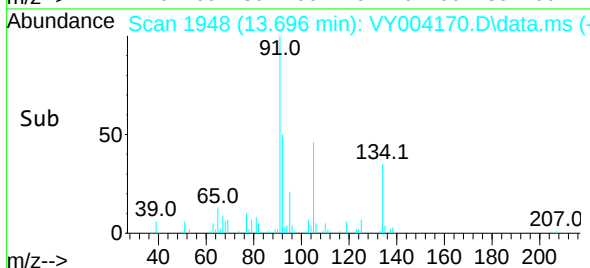
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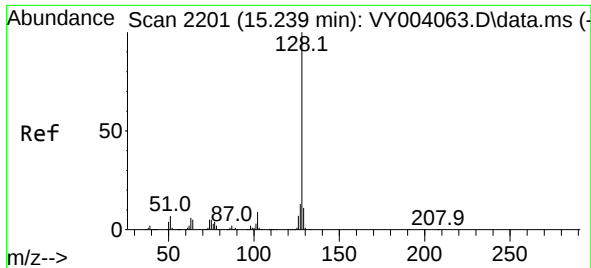


#89  
n-Butylbenzene  
Concen: 1.48 ug/l m  
RT: 13.696 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52



Tgt Ion: 91 Resp: 12013  
Ion Ratio Lower Upper  
91 100  
92 0.0 26.5 79.4#  
134 334.2 13.2 39.5#





#95  
Naphthalene  
Concen: 5.18 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: VY004170.D  
Acq: 23 Mar 2021 11:52

Tgt Ion:128 Resp: 25216  
Ion Ratio Lower Upper  
128 100  
127 18.2 10.6 16.0#  
129 17.4 8.7 13.1#

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-032221

Manual Integrations  
APPROVED

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