

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032321\  
 Data File : VX021391.D  
 Acq On : 23 Mar 2021 17:20  
 Operator : JC/MD  
 Sample : M1752-07 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 24 01:58:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

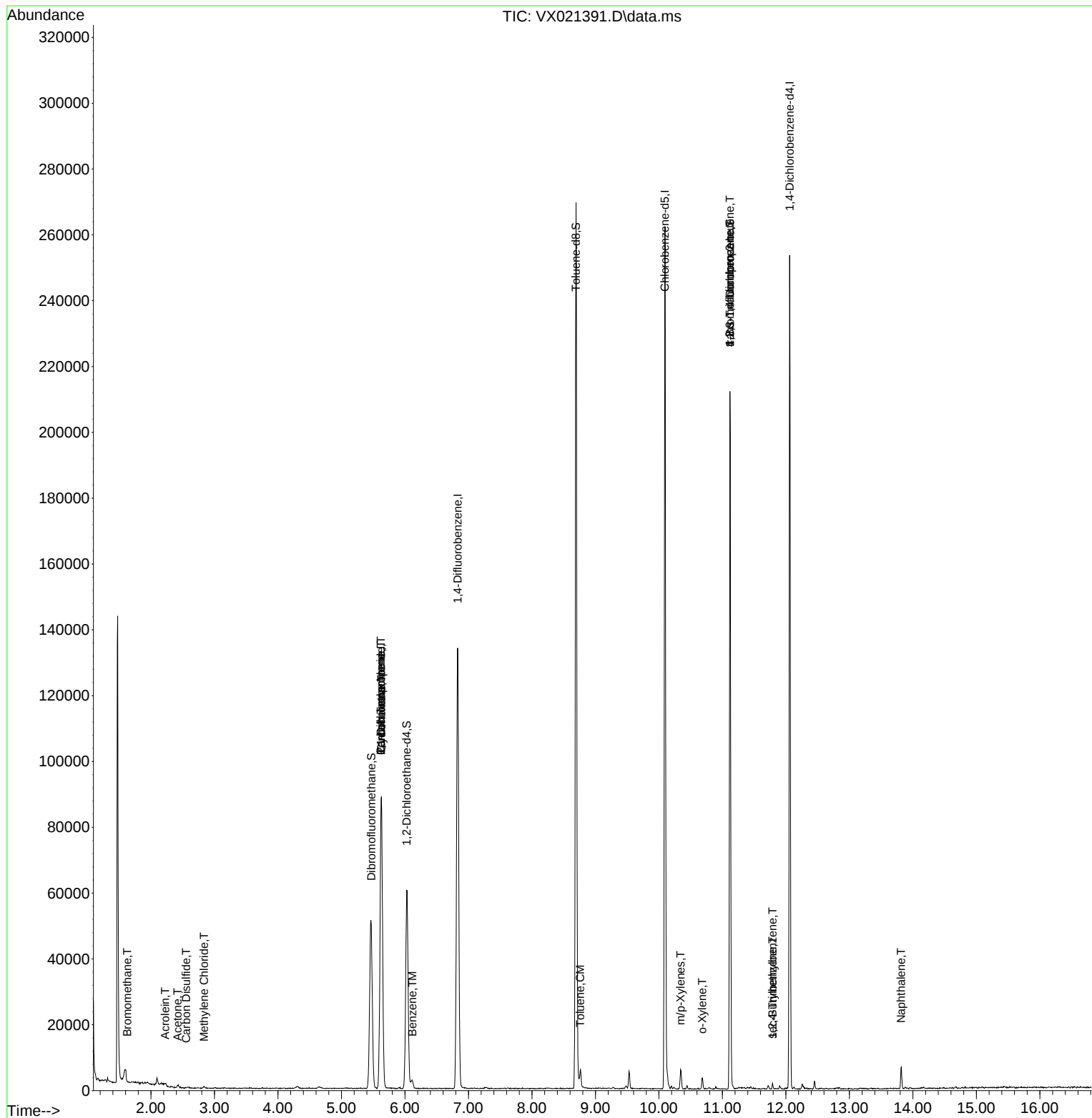
| Compound                      | R.T.   | QIon  | Response | Conc         | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|--------------|--------|----------|
| -----                         |        |       |          |              |        |          |
| Internal Standards            |        |       |          |              |        |          |
| 1) Pentafluorobenzene         | 5.623  | 168   | 76935    | 50.00        | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene       | 6.829  | 114   | 125894   | 50.00        | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 109281   | 50.00        | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 46181    | 50.00        | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |              |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.029  | 65    | 59822    | 47.41        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery     | =      | 94.82%   |
| 35) Dibromofluoromethane      | 5.470  | 113   | 43166    | 50.39        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery     | =      | 100.78%  |
| 50) Toluene-d8                | 8.694  | 98    | 155377   | 49.99        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery     | =      | 99.98%   |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 55395    | 45.89        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery     | =      | 91.78%   |
| Target Compounds              |        |       |          |              |        |          |
|                               |        |       |          |              | Qvalue |          |
| 3) Chloromethane              | 1.317  | 50    | 1409     | Below Cal    |        | 91       |
| 5) Bromomethane               | 1.628  | 94    | 88       | 0.22 ug/l    |        | 97       |
| 13) Acrolein                  | 2.223  | 56    | 45       | 3.47 ug/l #  |        | 53       |
| 16) Acetone                   | 2.417  | 43    | 1005     | 2.16 ug/l #  |        | 76       |
| 17) Carbon Disulfide          | 2.552  | 76    | 151      | 0.60 ug/l #  |        | 75       |
| 20) Methylene Chloride        | 2.834  | 84    | 201      | 0.21 ug/l #  |        | 47       |
| 31) Cyclohexane               | 5.629  | 56    | 1992     | 1.31 ug/l #  |        | 24       |
| 36) 1,1-Dichloropropene       | 5.623  | 75    | 6978     | 5.50 ug/l #  |        | 49       |
| 38) Carbon Tetrachloride      | 5.623  | 117   | 8278     | 6.28 ug/l #  |        | 17       |
| 40) Benzene                   | 6.117  | 78    | 2415     | 0.69 ug/l    |        | 100      |
| 52) Toluene                   | 8.759  | 92    | 1480     | 0.68 ug/l    |        | 99       |
| 68) m/p-Xylenes               | 10.341 | 106   | 786      | 0.53 ug/l    |        | 93       |
| 69) o-Xylene                  | 10.682 | 106   | 583      | 0.40 ug/l    |        | 92       |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 31100    | 29.03 ug/l # |        | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 31100    | 78.82 ug/l # |        | 12       |
| 84) 1,2,4-Trimethylbenzene    | 11.789 | 105   | 689      | 0.23 ug/l    |        | 80       |
| 85) sec-Butylbenzene          | 11.789 | 105   | 689      | 0.21 ug/l #  |        | 57       |
| 95) Naphthalene               | 13.812 | 128   | 3937     | 1.20 ug/l    |        | 99       |
| -----                         |        |       |          |              |        |          |

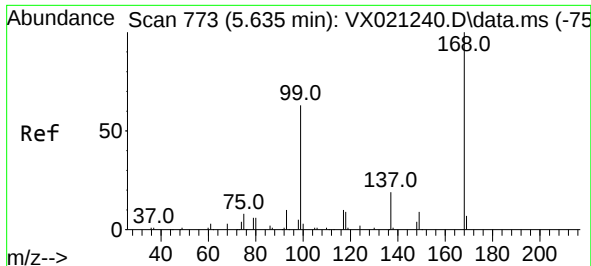
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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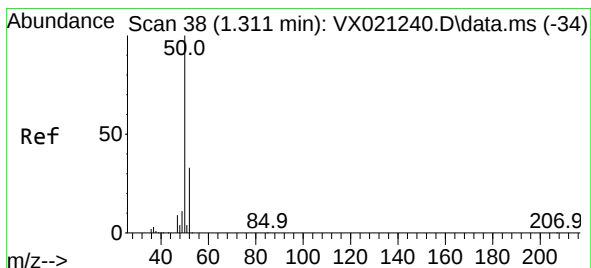
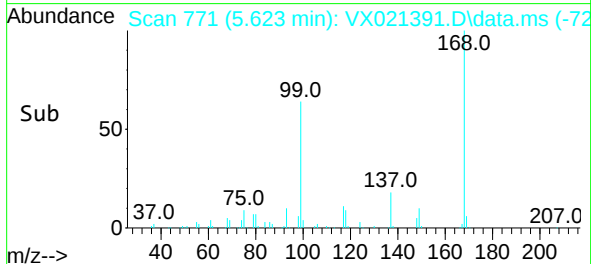
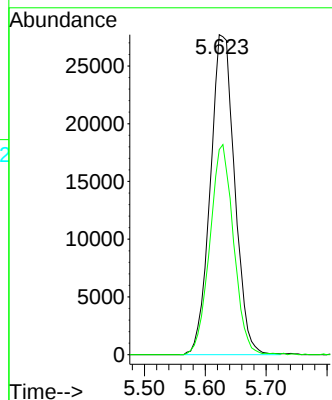
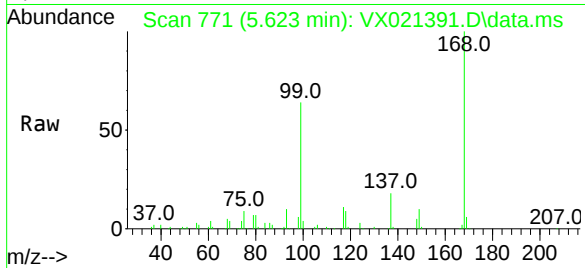




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.012 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

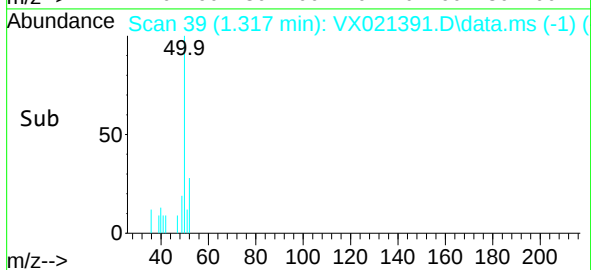
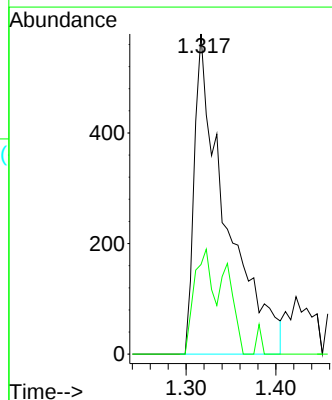
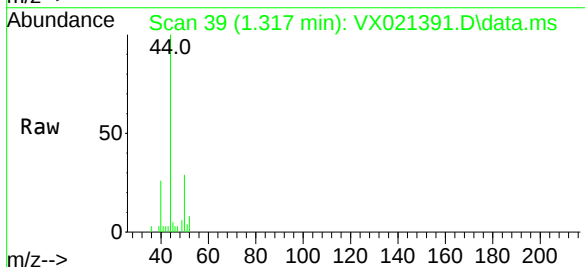
Instrument :  
MSVOA\_X  
ClientSampled :

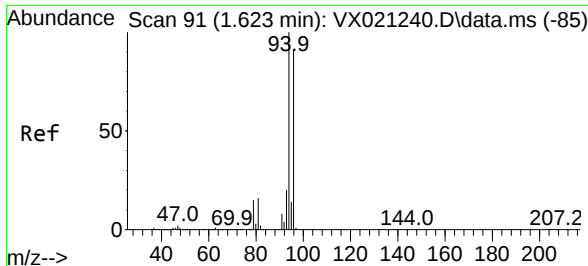
Tgt Ion:168 Resp: 76935  
Ion Ratio Lower Upper  
168 100  
99 64.1 45.8 68.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.317 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

Tgt Ion: 50 Resp: 1409  
Ion Ratio Lower Upper  
50 100  
52 28.0 26.4 39.6

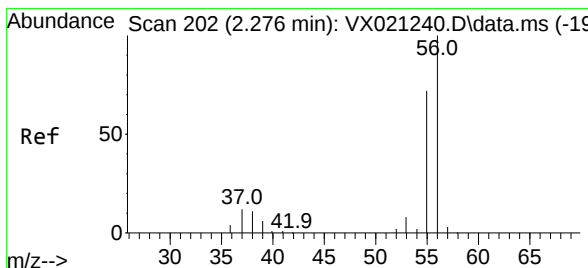
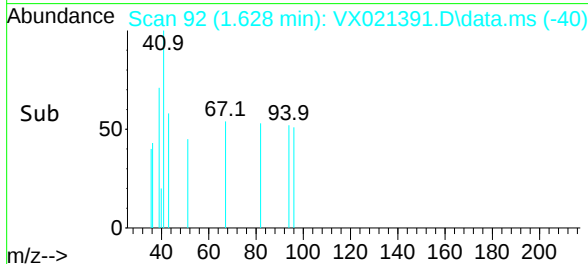
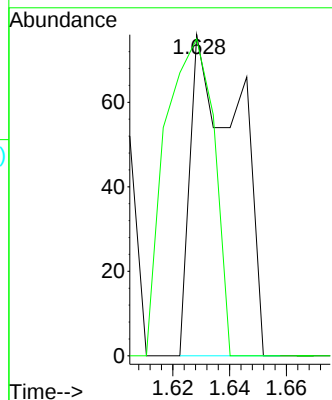
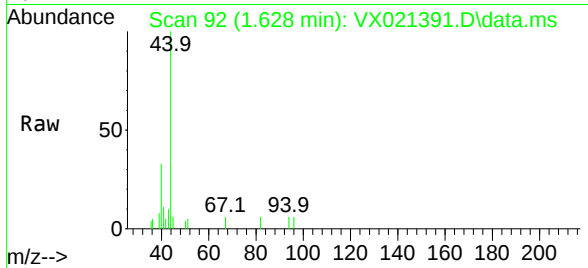




#5  
Bromomethane  
Concen: 0.22 ug/l  
RT: 1.628 min Scan# 92  
Delta R.T. 0.005 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

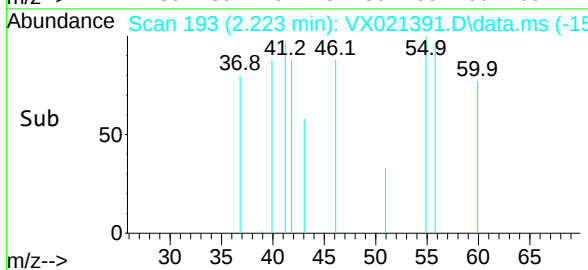
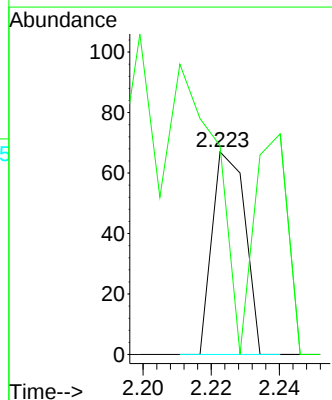
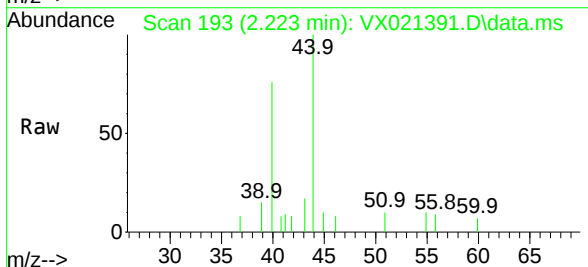
Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 94 Resp: 88  
Ion Ratio Lower Upper  
94 100  
96 98.7 76.4 114.6



#13  
Acrolein  
Concen: 3.47 ug/l  
RT: 2.223 min Scan# 193  
Delta R.T. -0.053 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

Tgt Ion: 56 Resp: 45  
Ion Ratio Lower Upper  
56 100  
55 108.9 56.4 84.6#

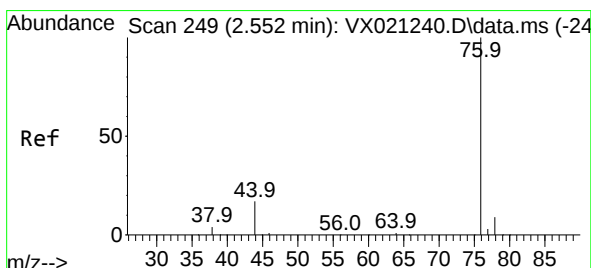
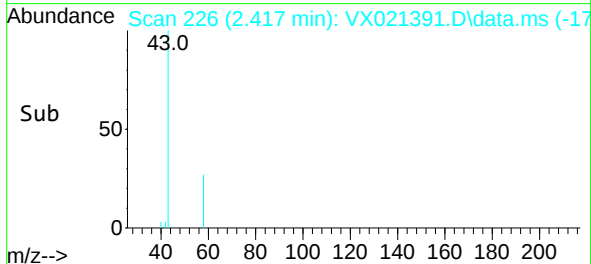
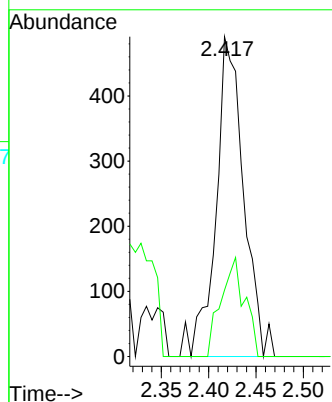
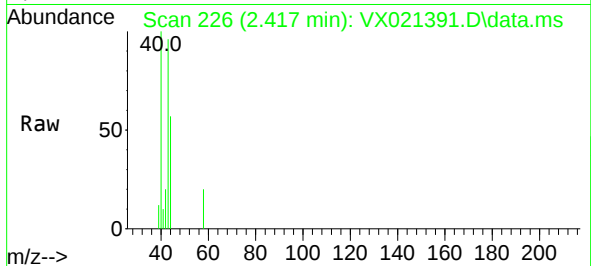




#16  
Acetone  
Concen: 2.16 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

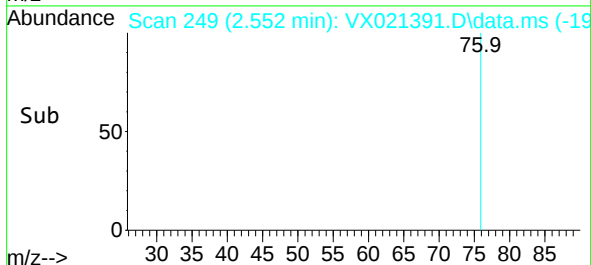
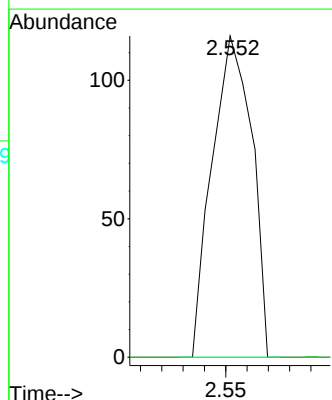
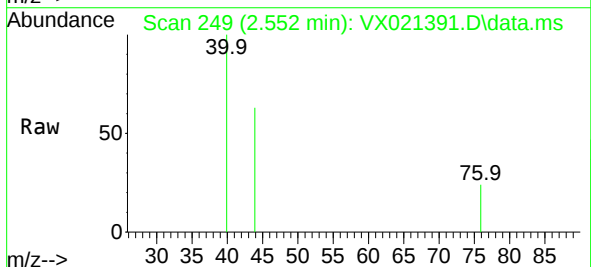
Instrument :  
MSVOA\_X  
ClientSampled :

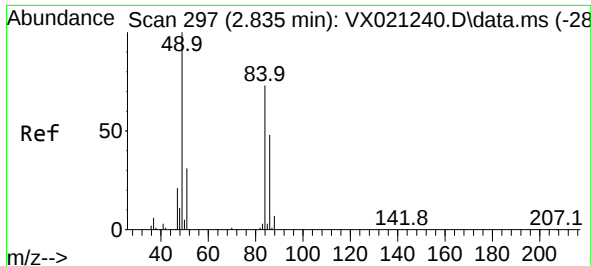
Tgt Ion: 43 Resp: 1005  
Ion Ratio Lower Upper  
43 100  
58 20.8 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 0.60 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. 0.000 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

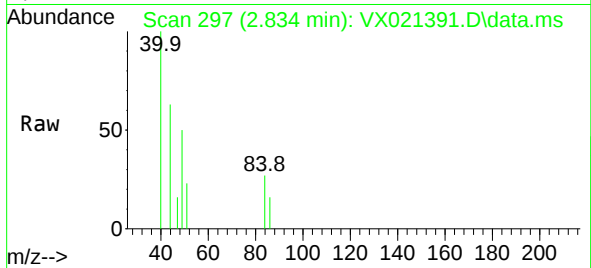
Tgt Ion: 76 Resp: 151  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#





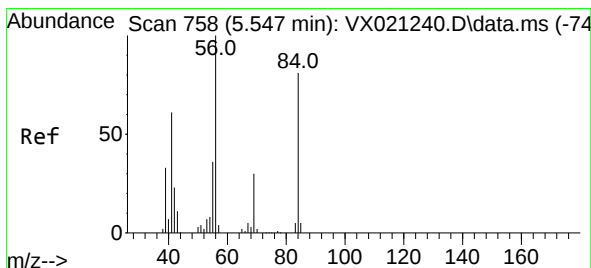
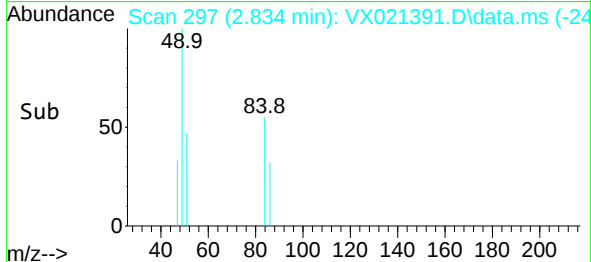
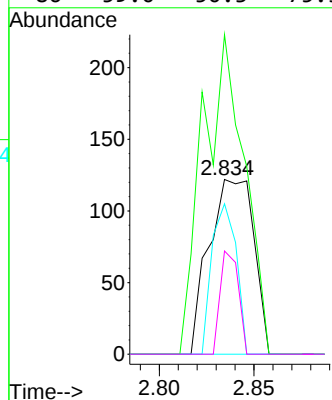
#20  
Methylene Chloride  
Concen: 0.21 ug/l  
RT: 2.834 min Scan# 297  
Delta R.T. -0.001 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

Instrument :  
MSVOA\_X  
ClientSampled :



Tgt Ion: 84 Resp: 201

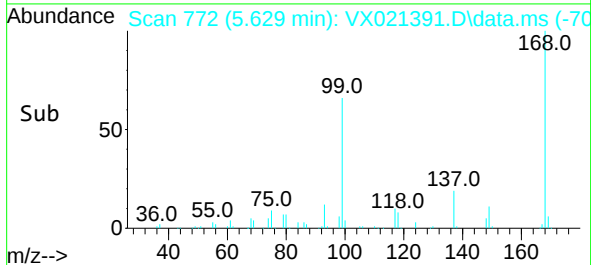
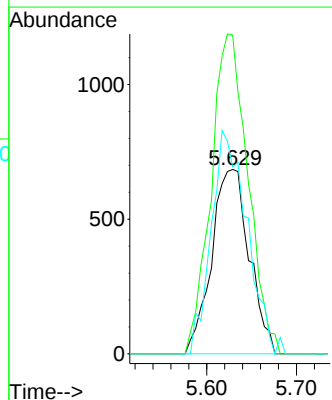
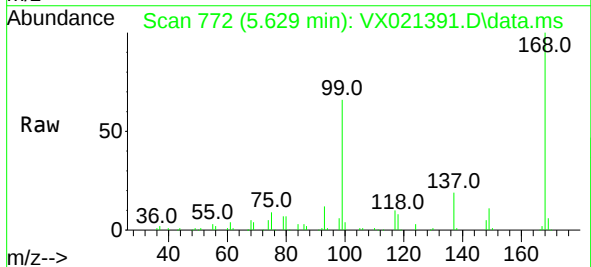
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 182.8 | 88.6  | 132.8# |
| 51  | 86.1  | 27.0  | 40.6#  |
| 86  | 59.0  | 50.3  | 75.5   |

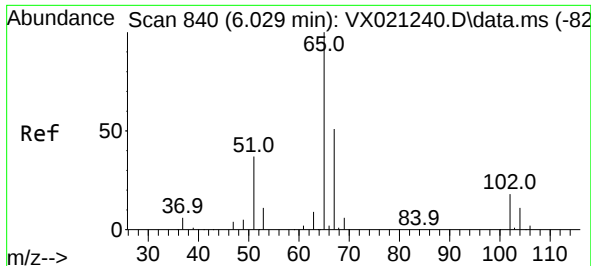


#31  
Cyclohexane  
Concen: 1.31 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. 0.082 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

Tgt Ion: 56 Resp: 1992

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 172.8 | 25.3  | 37.9# |
| 84  | 101.3 | 71.4  | 107.0 |

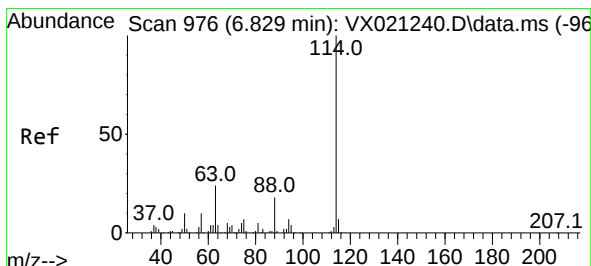
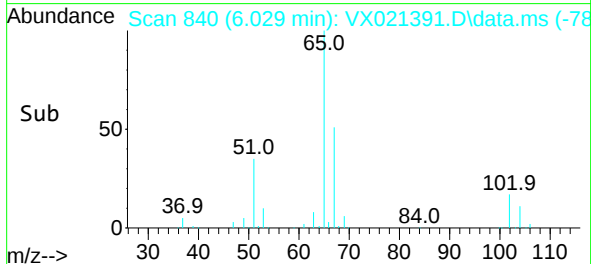
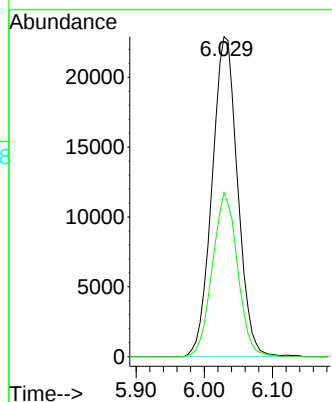
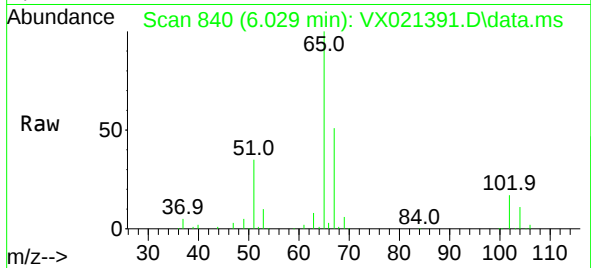




#33  
1,2-Dichloroethane-d4  
Concen: 47.41 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. -0.000 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

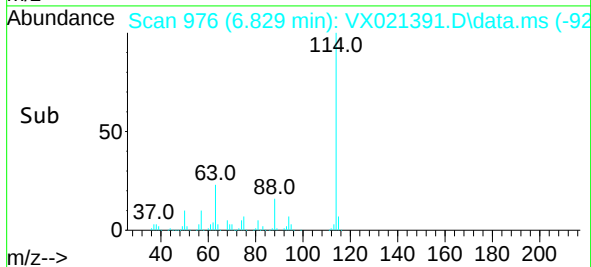
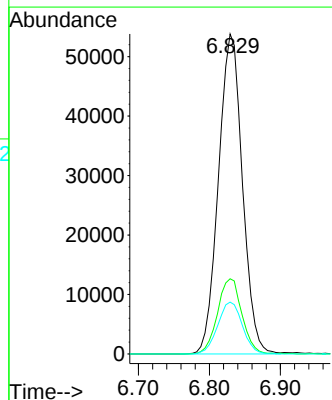
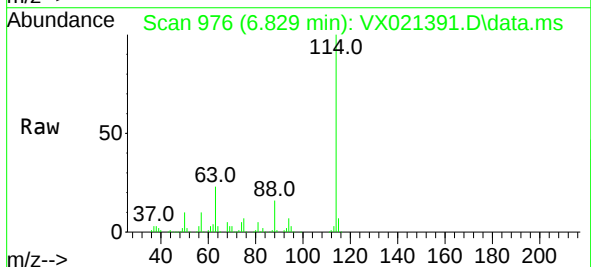
Instrument :  
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ClientSampled :

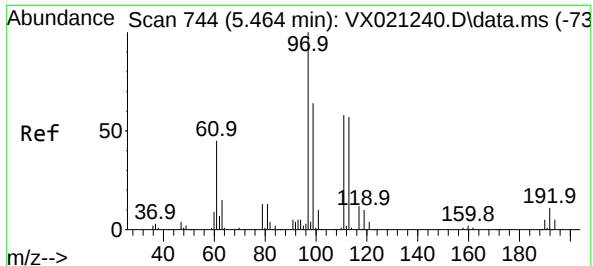
Tgt Ion: 65 Resp: 59822  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 105.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

Tgt Ion: 114 Resp: 125894  
Ion Ratio Lower Upper  
114 100  
63 23.5 0.0 40.8  
88 16.2 0.0 32.8

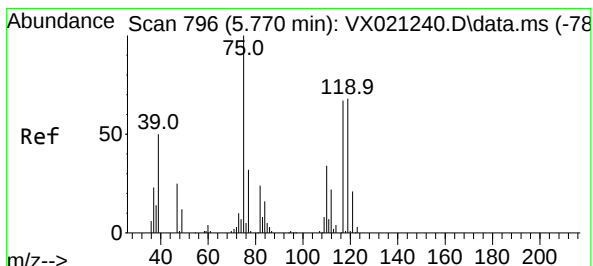
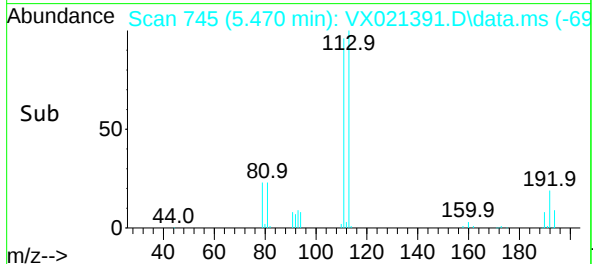
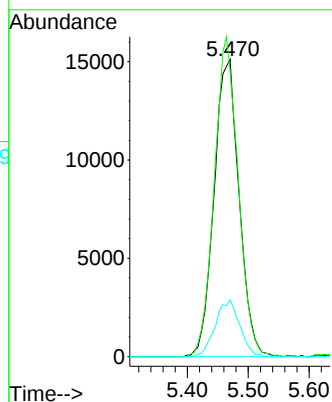
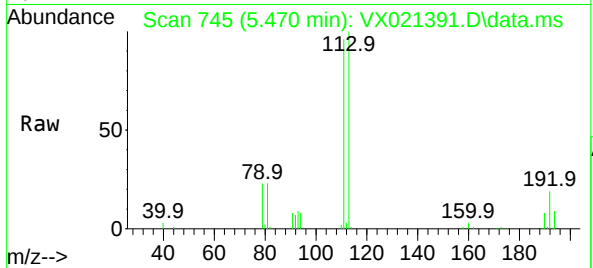




#35  
Dibromofluoromethane  
Concen: 50.39 ug/l  
RT: 5.470 min Scan# 745  
Delta R.T. 0.006 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

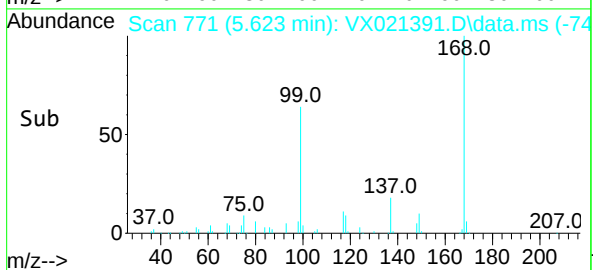
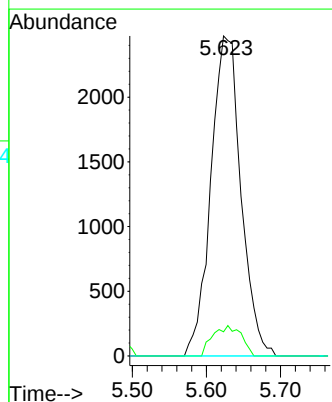
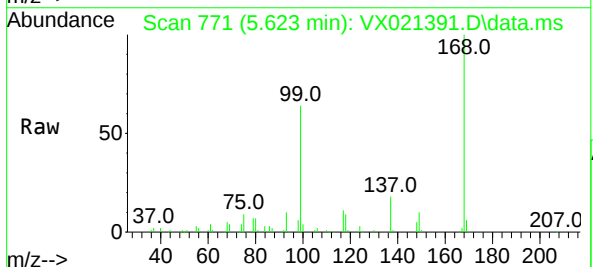
Instrument :  
MSVOA\_X  
ClientSampled :

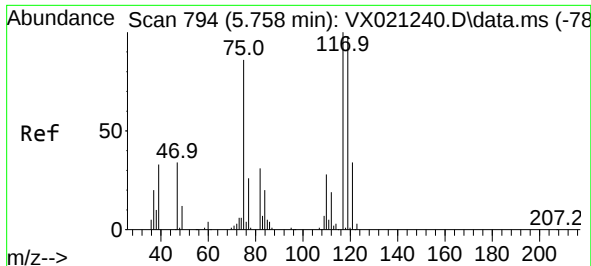
Tgt Ion:113 Resp: 43166  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.9 122.9  
192 18.7 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 5.50 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.147 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

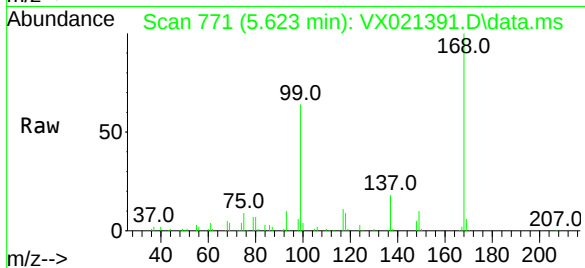
Tgt Ion: 75 Resp: 6978  
Ion Ratio Lower Upper  
75 100  
110 9.0 18.1 54.4#  
77 0.0 25.3 37.9#



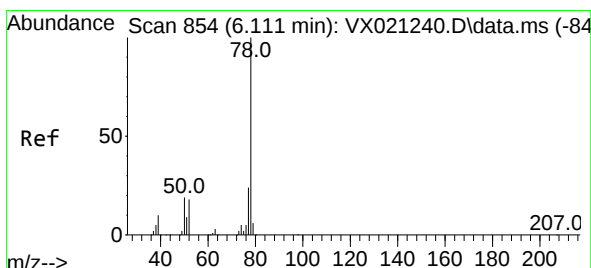
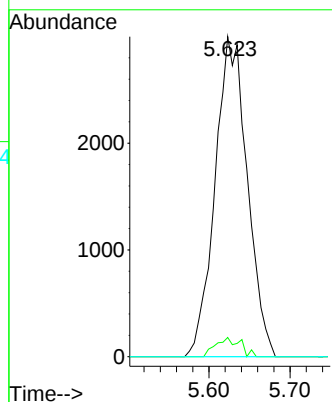
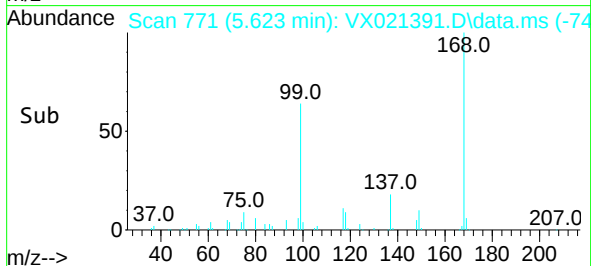


#38  
Carbon Tetrachloride  
Concen: 6.28 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.135 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

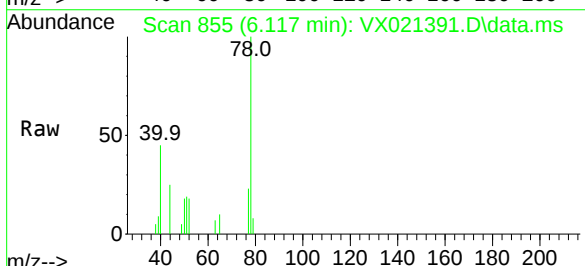
Instrument :  
MSVOA\_X  
ClientSampleId :



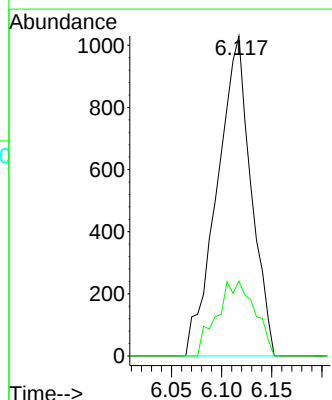
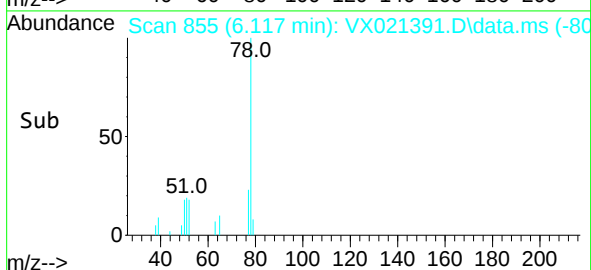
Tgt Ion:117 Resp: 8278  
Ion Ratio Lower Upper  
117 100  
119 6.0 76.2 114.2#  
121 0.0 24.8 37.2#

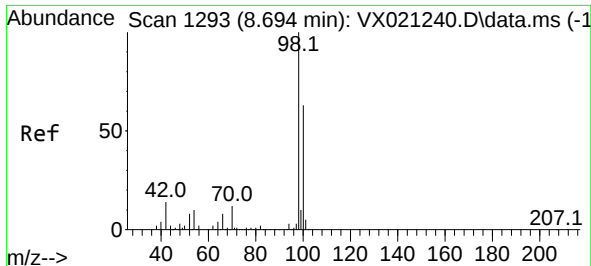


#40  
Benzene  
Concen: 0.69 ug/l  
RT: 6.117 min Scan# 855  
Delta R.T. 0.006 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20



Tgt Ion: 78 Resp: 2415  
Ion Ratio Lower Upper  
78 100  
77 23.4 18.9 28.3

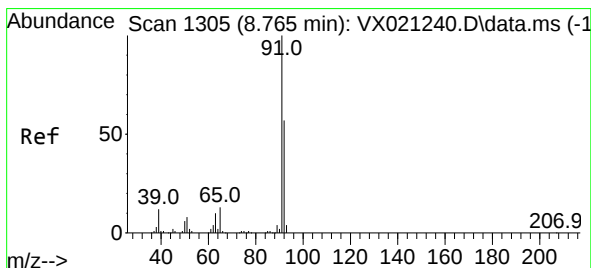
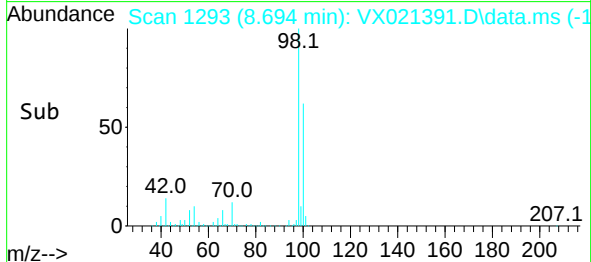
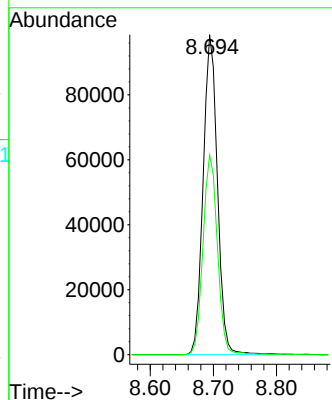
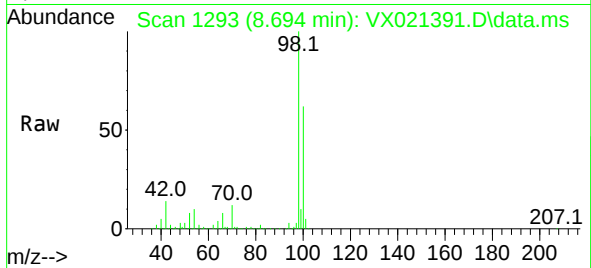




#50  
Toluene-d8  
Concen: 49.99 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

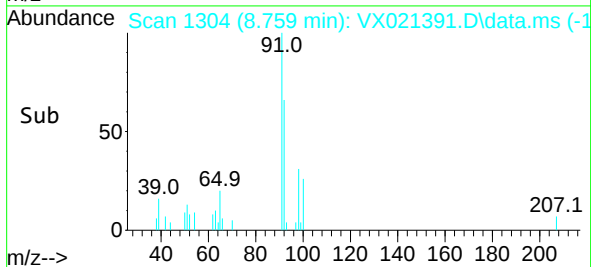
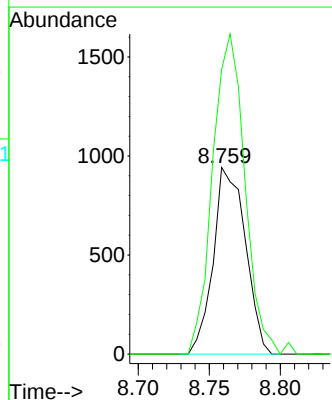
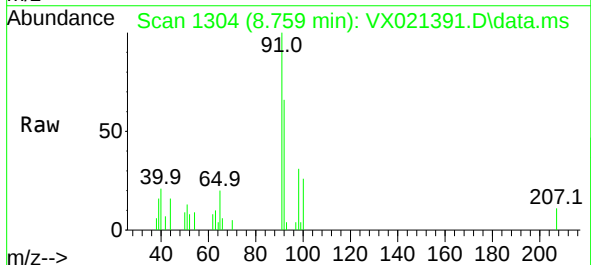
Instrument :  
MSVOA\_X  
ClientSampled :

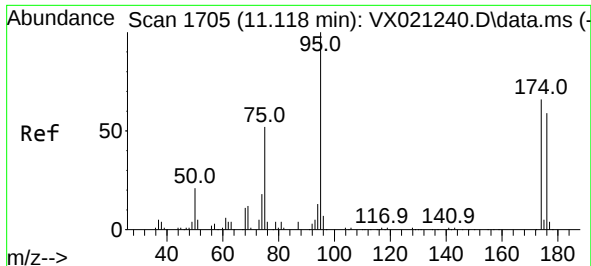
Tgt Ion: 98 Resp: 155377  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.9 77.9



#52  
Toluene  
Concen: 0.68 ug/l  
RT: 8.759 min Scan# 1304  
Delta R.T. -0.006 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

Tgt Ion: 92 Resp: 1480  
Ion Ratio Lower Upper  
92 100  
91 173.3 137.1 205.7

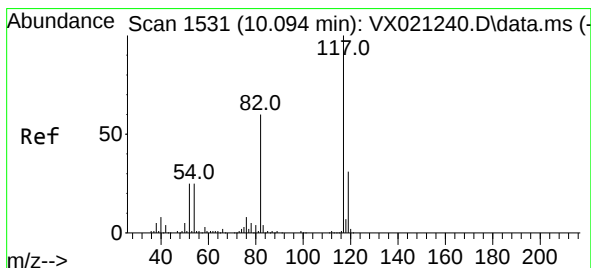
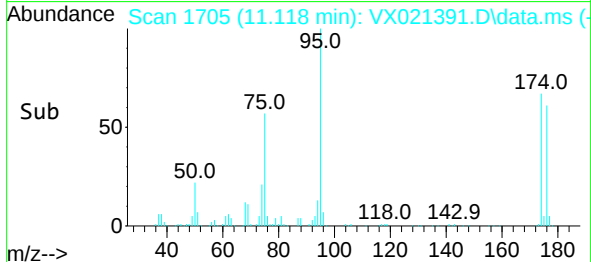
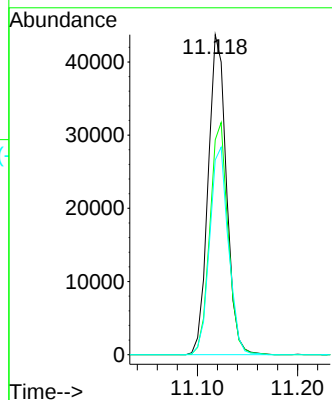
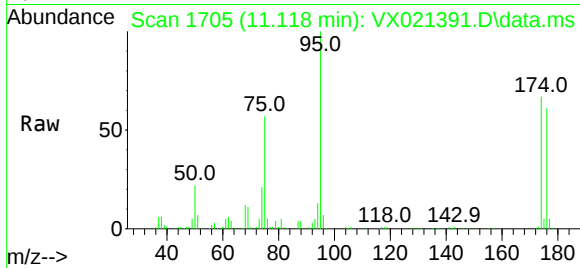




#62  
4-Bromofluorobenzene  
Concen: 45.89 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

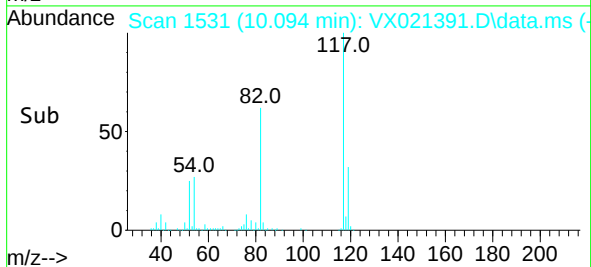
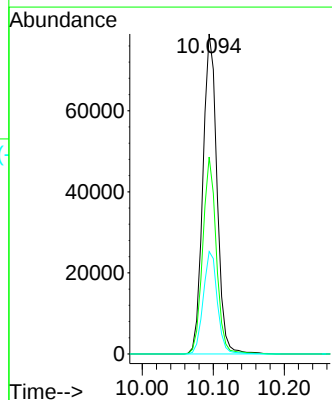
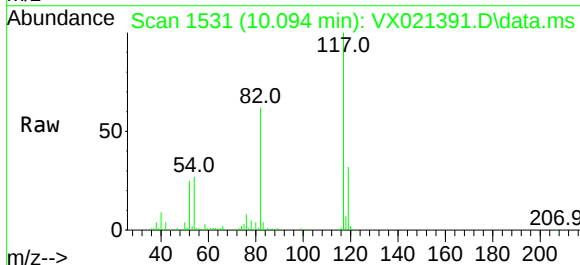
Instrument :  
MSVOA\_X  
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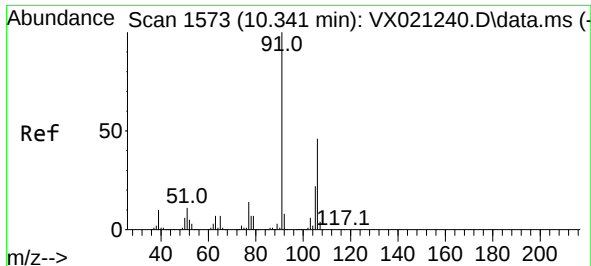
Tgt Ion: 95 Resp: 55395  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 154.6  
176 66.6 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

Tgt Ion:117 Resp: 109281  
Ion Ratio Lower Upper  
117 100  
82 61.5 47.4 71.2  
119 32.0 26.6 39.8

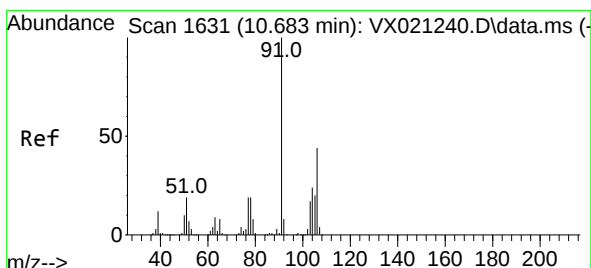
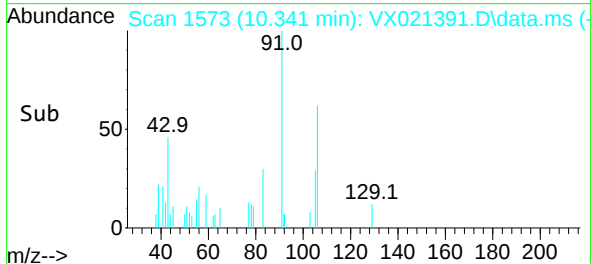
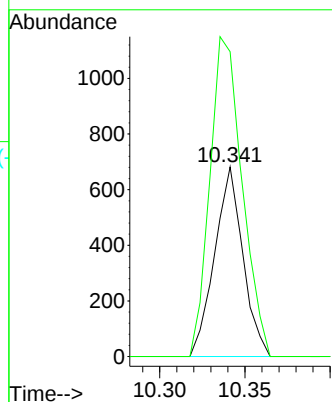
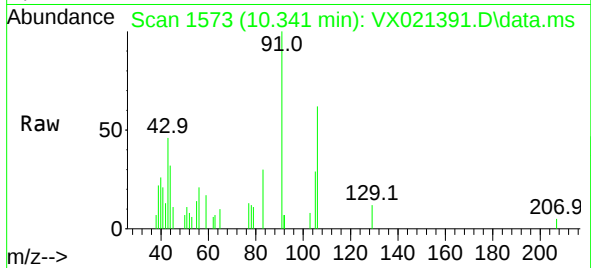




#68  
m/p-Xylenes  
Concen: 0.53 ug/l  
RT: 10.341 min Scan# 1573  
Delta R.T. 0.000 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

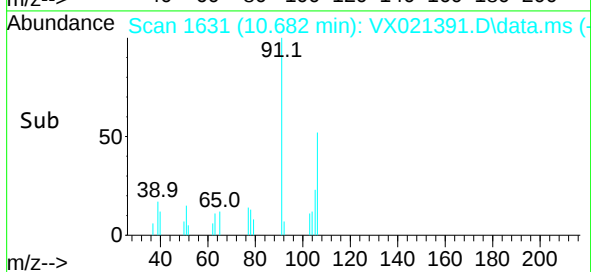
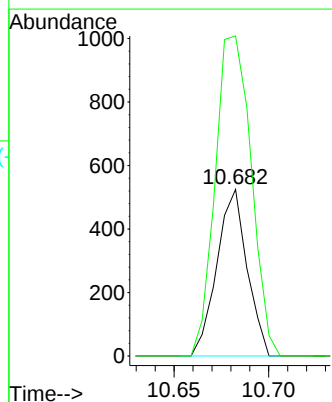
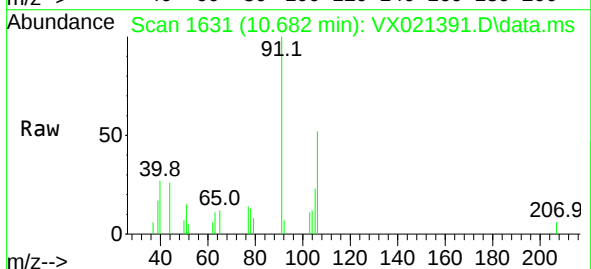
Instrument :  
MSVOA\_X  
ClientSampled :

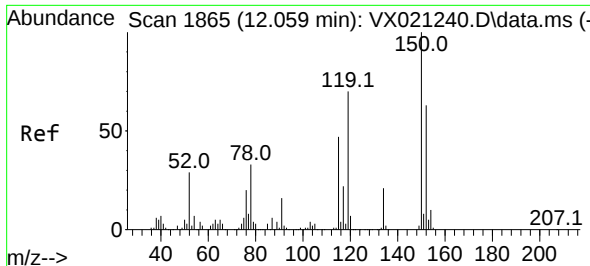
Tgt Ion:106 Resp: 786  
Ion Ratio Lower Upper  
106 100  
91 192.5 162.8 244.2



#69  
o-Xylene  
Concen: 0.40 ug/l  
RT: 10.682 min Scan# 1631  
Delta R.T. -0.001 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

Tgt Ion:106 Resp: 583  
Ion Ratio Lower Upper  
106 100  
91 228.8 108.1 324.2

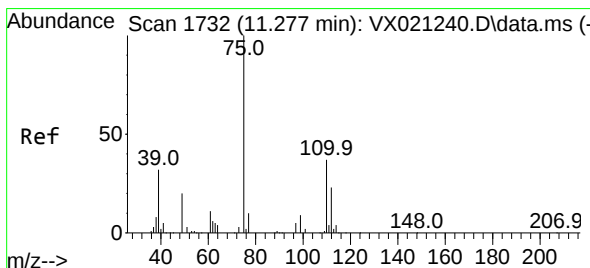
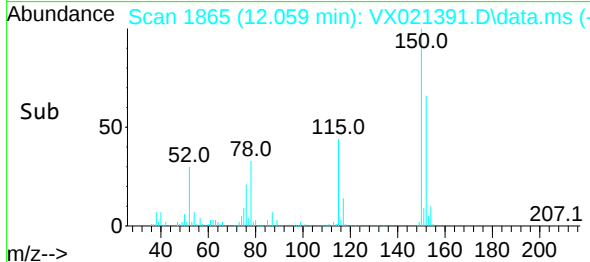
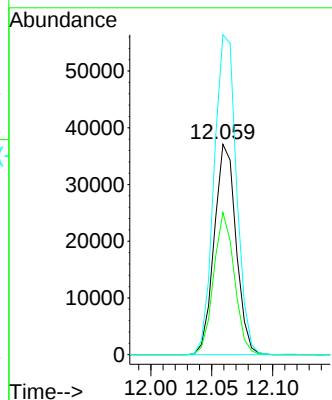
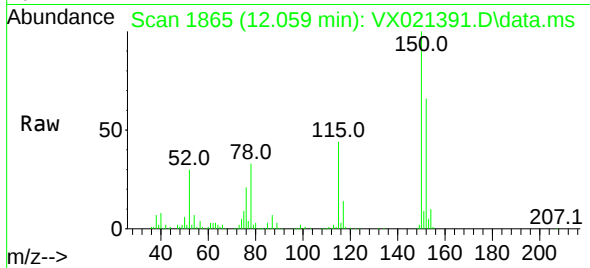




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

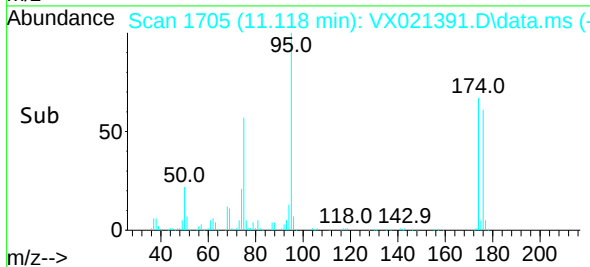
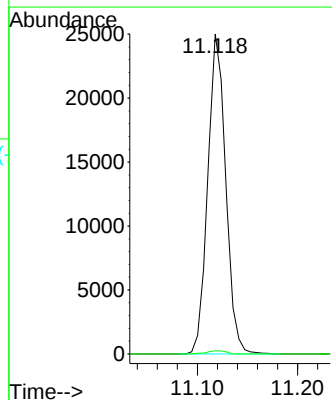
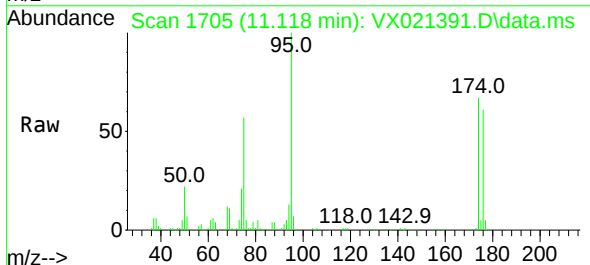
Instrument :  
MSVOA\_X  
ClientSampleId :

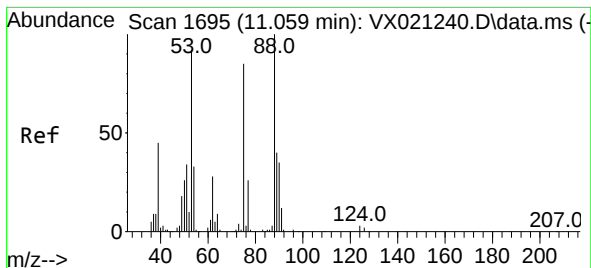
Tgt Ion:152 Resp: 46181  
Ion Ratio Lower Upper  
152 100  
115 64.1 41.1 123.3  
150 156.4 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 29.03 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

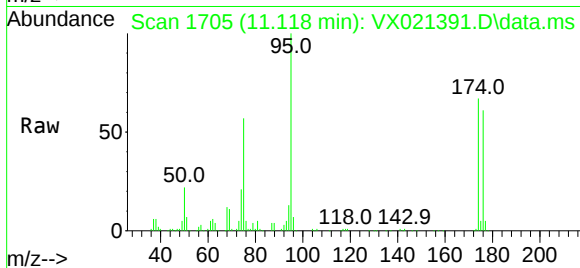
Tgt Ion: 75 Resp: 31100  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



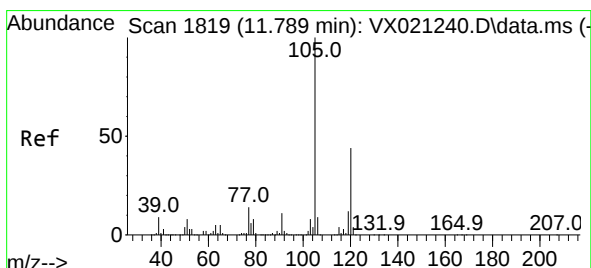
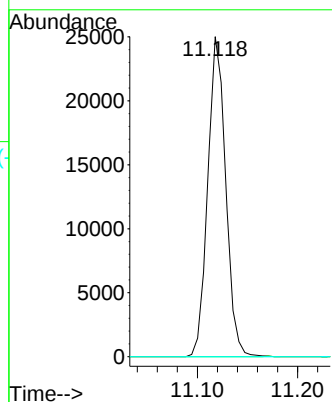
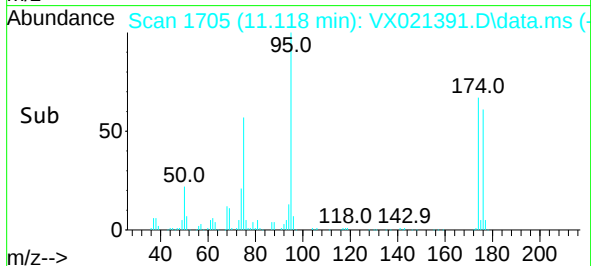


#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.82 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20

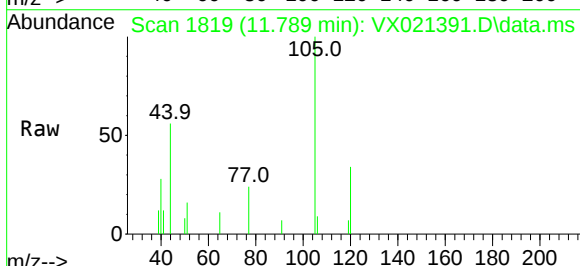
Instrument :  
MSVOA\_X  
ClientSampled :



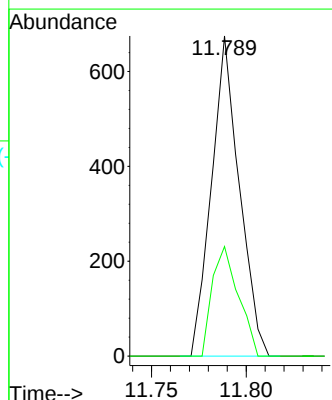
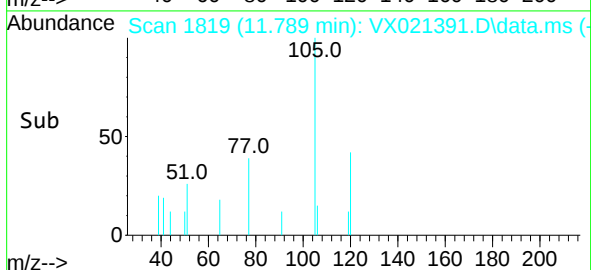
Tgt Ion: 75 Resp: 31100  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

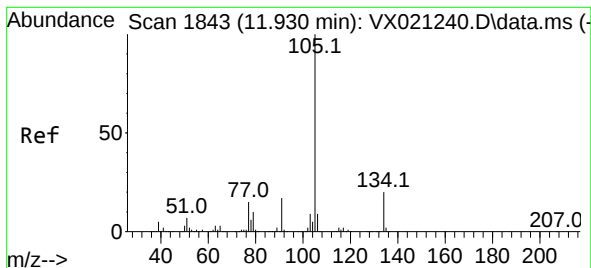


#84  
1,2,4-Trimethylbenzene  
Concen: 0.23 ug/l  
RT: 11.789 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VX021391.D  
Acq: 23 Mar 2021 17:20



Tgt Ion: 105 Resp: 689  
Ion Ratio Lower Upper  
105 100  
120 32.1 22.4 67.3

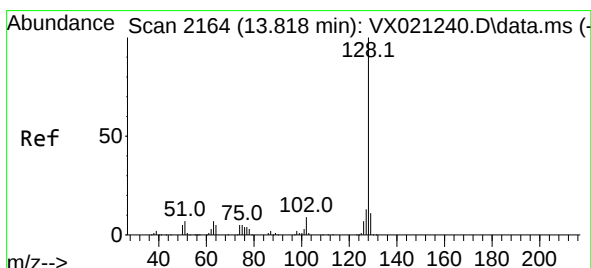
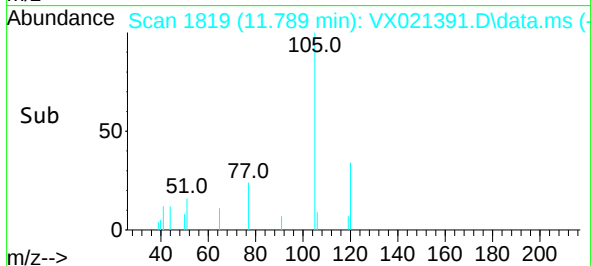
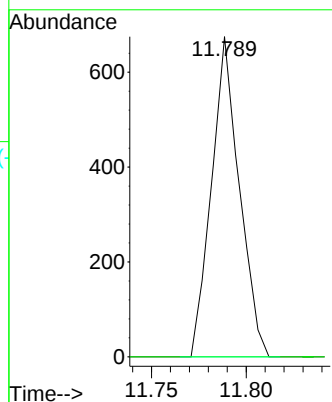
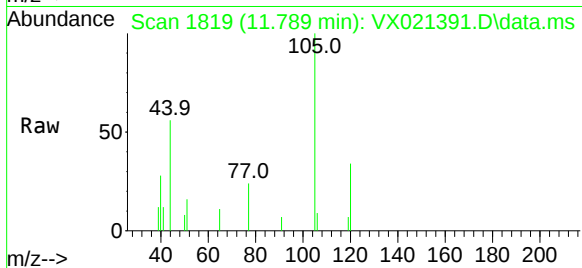




#85  
 sec-Butylbenzene  
 Concen: 0.21 ug/l  
 RT: 11.789 min Scan# 1819  
 Delta R.T. -0.141 min  
 Lab File: VX021391.D  
 Acq: 23 Mar 2021 17:20

Instrument :  
 MSVOA\_X  
 ClientSampled :

Tgt Ion:105 Resp: 689  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.0 29.8#



#95  
 Naphthalene  
 Concen: 1.20 ug/l  
 RT: 13.812 min Scan# 2163  
 Delta R.T. -0.006 min  
 Lab File: VX021391.D  
 Acq: 23 Mar 2021 17:20

Tgt Ion:128 Resp: 3937  
 Ion Ratio Lower Upper  
 128 100  
 127 13.5 10.3 15.5  
 129 10.9 8.8 13.2

