

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122320\  
 Data File : VX020364.D  
 Acq On : 24 Dec 2020 02:01  
 Operator : JC/MD  
 Sample : L5095-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 39-MW104-121420

Quant Time: Dec 24 05:35:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 18 13:09:49 2020  
 Response via : Initial Calibration

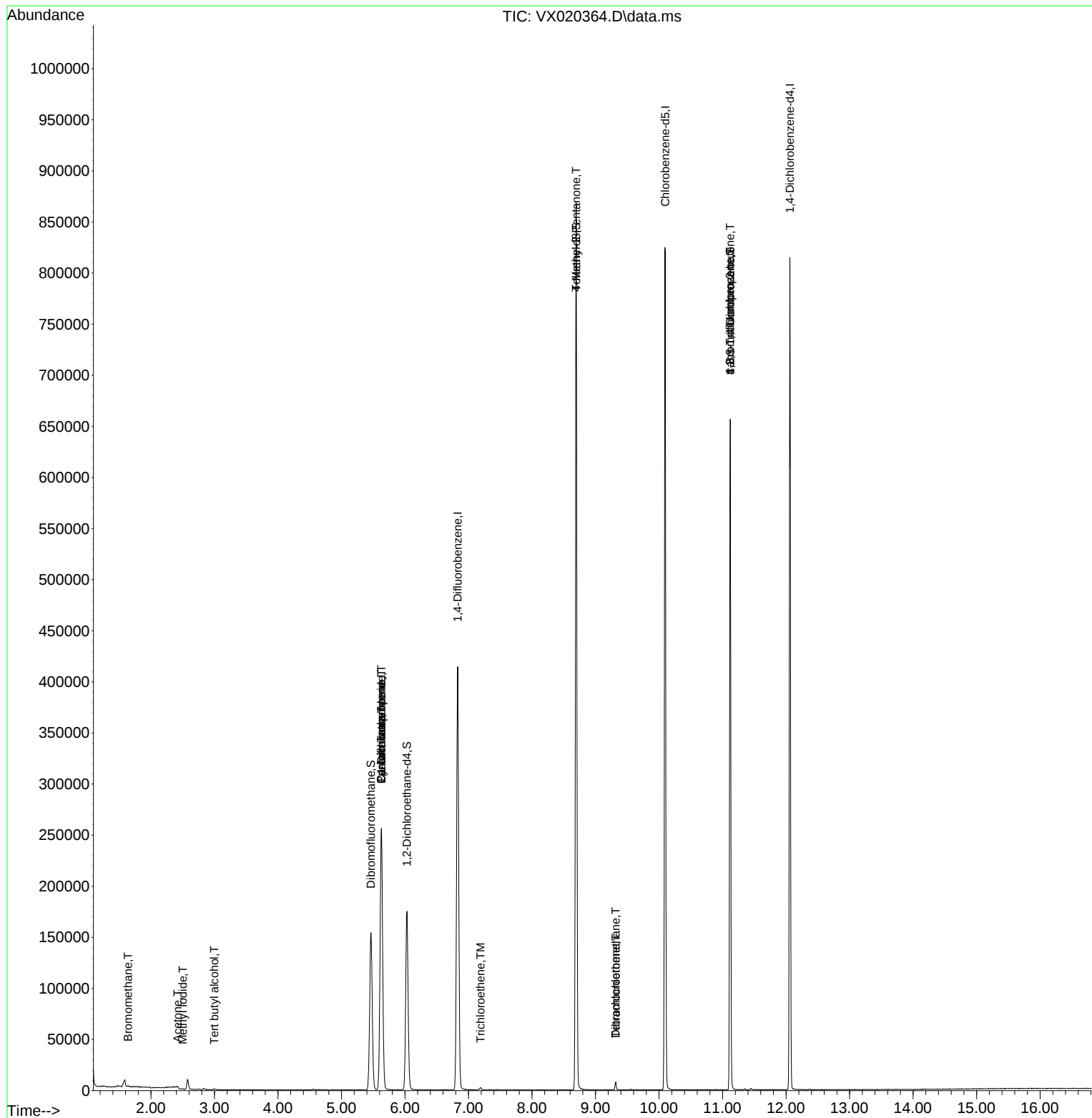
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.629  | 168   | 244591   | 50.00    | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.830  | 114   | 412488   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.098 | 117   | 391257   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.061 | 152   | 163924   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.031  | 65    | 166035   | 50.64    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 101.28%  |
| 35) Dibromofluoromethane      | 5.464  | 113   | 134324   | 50.91    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 101.82%  |
| 50) Toluene-d8                | 8.696  | 98    | 501220   | 49.35    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 98.70%   |
| 62) 4-Bromofluorobenzene      | 11.122 | 95    | 177866   | 45.75    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 91.50%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 1.636  | 94    | 511      | 0.48     | ug/l # | 74       |
| 10) Methyl Iodide             | 2.502  | 142   | 266      | 3.36     | ug/l # | 51       |
| 11) Tert butyl alcohol        | 2.995  | 59    | 707      | 0.96     | ug/l # | 73       |
| 16) Acetone                   | 2.416  | 43    | 2484     | 1.66     | ug/l # | 83       |
| 31) Cyclohexane               | 5.629  | 56    | 4802     | 1.06     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.629  | 75    | 18728    | 4.59     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.629  | 117   | 24403    | 6.29     | ug/l # | 17       |
| 44) Trichloroethene           | 7.190  | 130   | 972      | 0.30     | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 8.696  | 43    | 1998     | 0.48     | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.317  | 129   | 1225     | 0.39     | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.317  | 164   | 1368     | 0.46     | ug/l   | 87       |
| 76) 1,2,3-Trichloropropane    | 11.122 | 75    | 86321    | 21.38    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.122 | 75    | 86321    | 63.42    | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

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

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Sample : L5095-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
39-MW104-121420

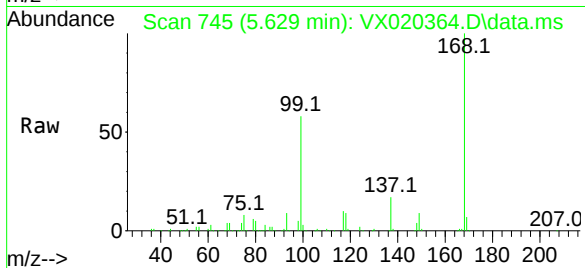
Quant Time: Dec 24 05:35:46 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 18 13:09:49 2020  
Response via : Initial Calibration



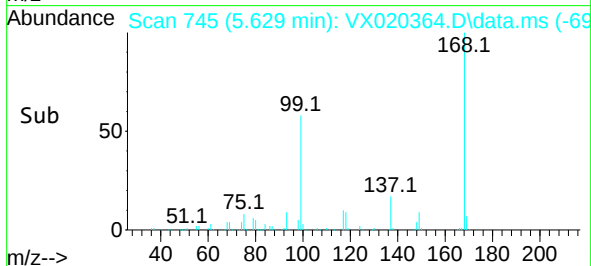
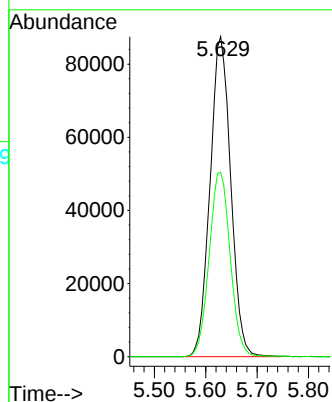


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.012 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
39-MW104-121420

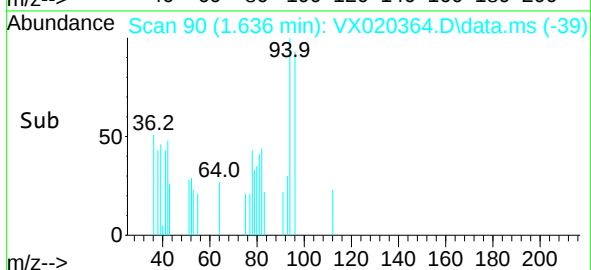
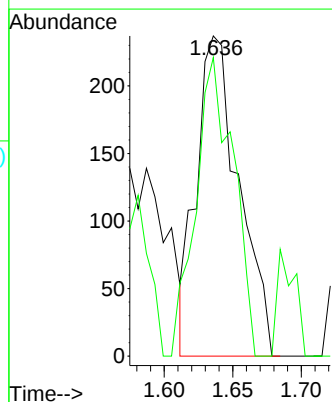
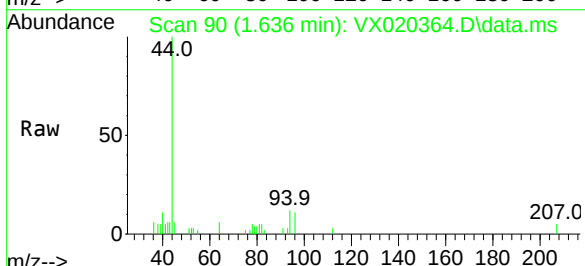


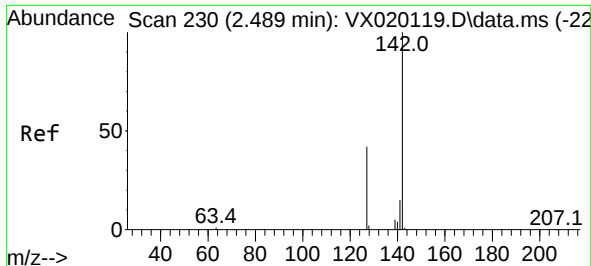
Tgt Ion:168 Resp: 244591  
Ion Ratio Lower Upper  
168 100  
99 57.6 45.8 68.6



#5  
Bromomethane  
Concen: 0.48 ug/l  
RT: 1.636 min Scan# 90  
Delta R.T. 0.012 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

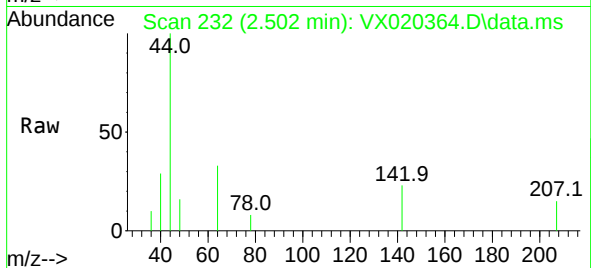
Tgt Ion: 94 Resp: 511  
Ion Ratio Lower Upper  
94 100  
96 70.5 76.4 114.6#



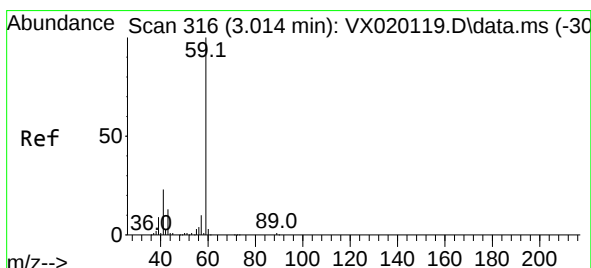
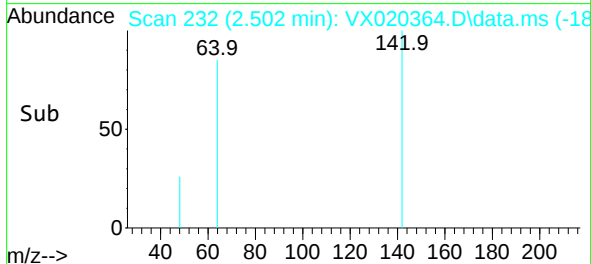
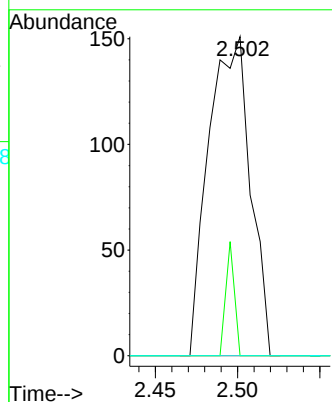


#10  
Methyl Iodide  
Concen: 3.36 ug/l  
RT: 2.502 min Scan# 232  
Delta R.T. 0.013 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
39-MW104-121420

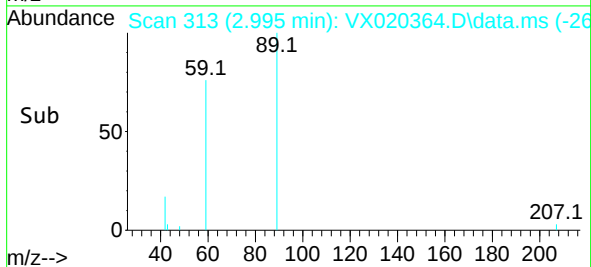
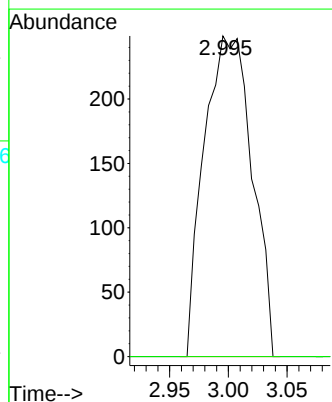
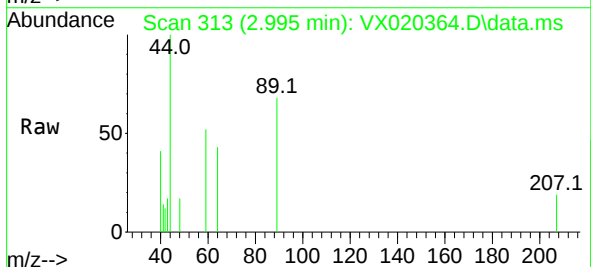


Tgt Ion:142 Resp: 266  
Ion Ratio Lower Upper  
142 100  
127 7.5 33.3 49.9#  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 0.96 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.019 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

Tgt Ion: 59 Resp: 707  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

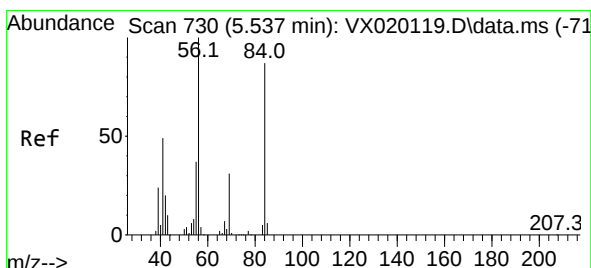
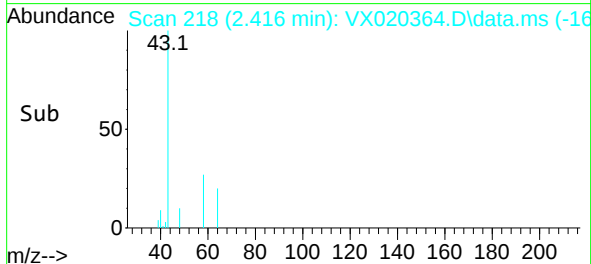
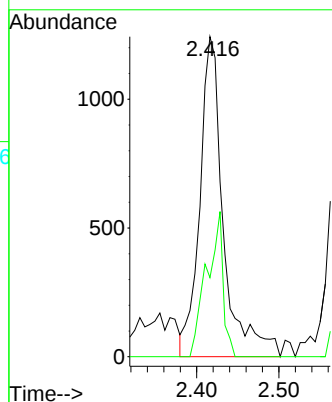
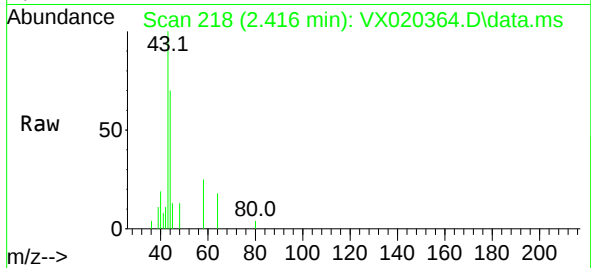




#16  
Acetone  
Concen: 1.66 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

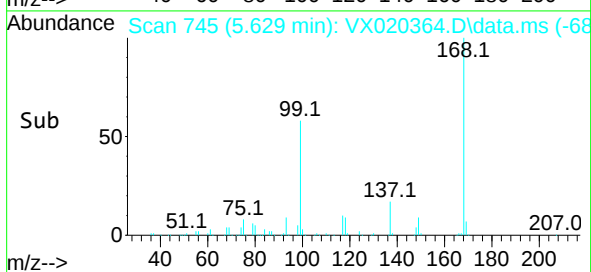
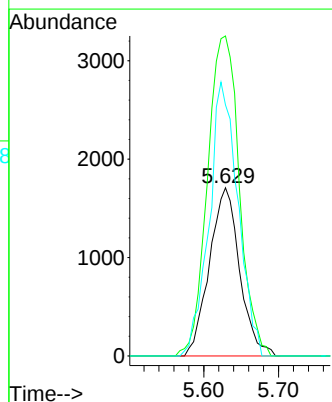
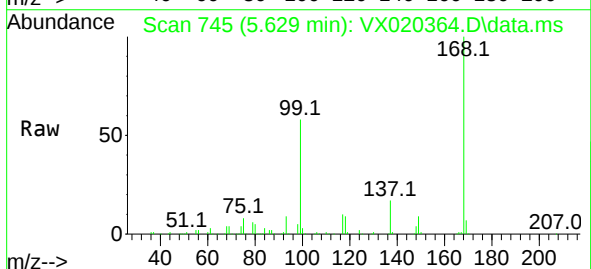
Instrument :  
MSVOA\_X  
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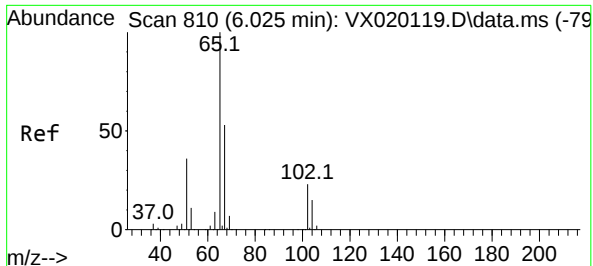
Tgt Ion: 43 Resp: 2484  
Ion Ratio Lower Upper  
43 100  
58 24.7 27.8 41.8#



#31  
Cyclohexane  
Concen: 1.06 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.092 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

Tgt Ion: 56 Resp: 4802  
Ion Ratio Lower Upper  
56 100  
69 190.3 25.3 37.9#  
84 149.3 71.4 107.0#

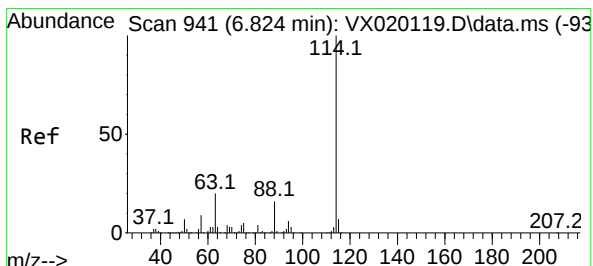
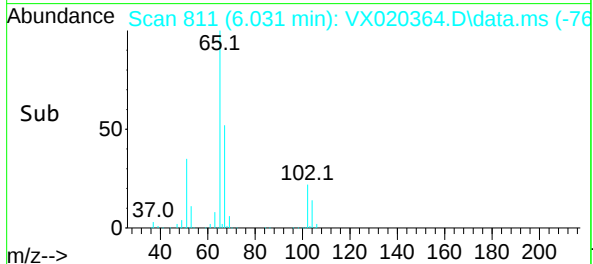
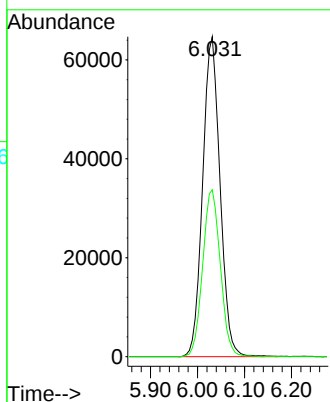
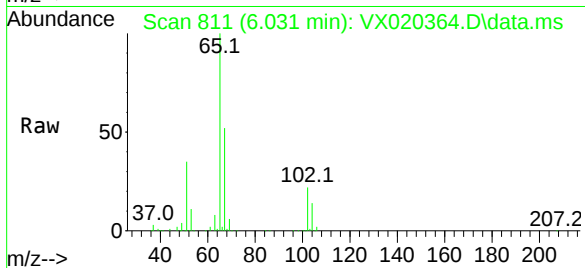




#33  
1,2-Dichloroethane-d4  
Concen: 50.64 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

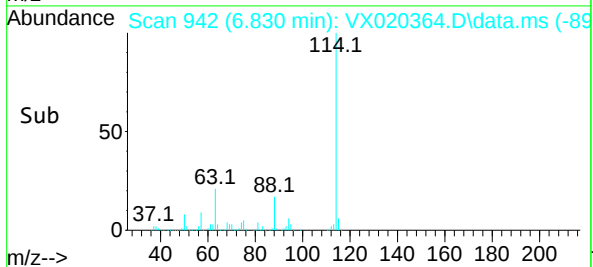
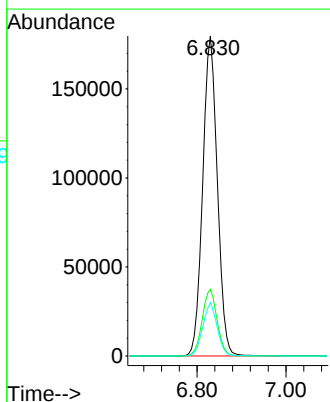
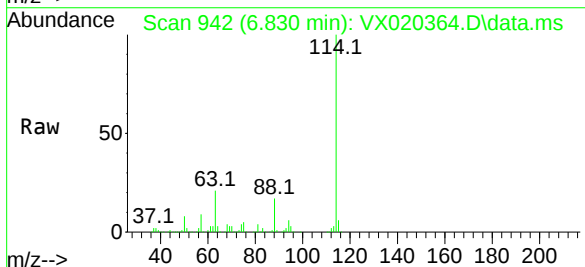
Instrument :  
MSVOA\_X  
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39-MW104-121420

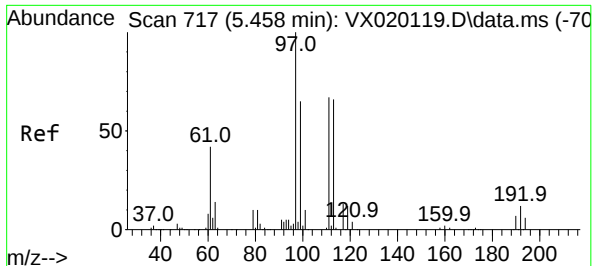
Tgt Ion: 65 Resp: 166035  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 105.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.830 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

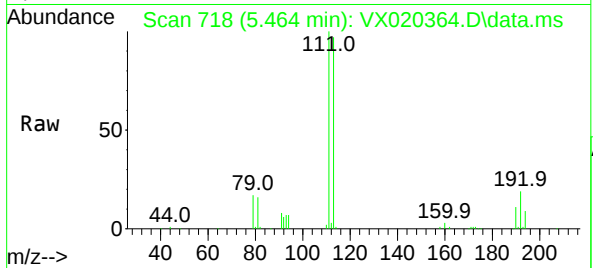
Tgt Ion: 114 Resp: 412488  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 40.8  
88 16.7 0.0 32.8



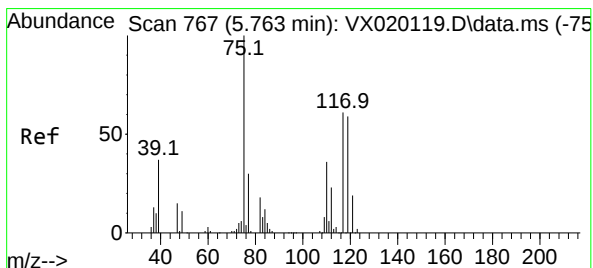
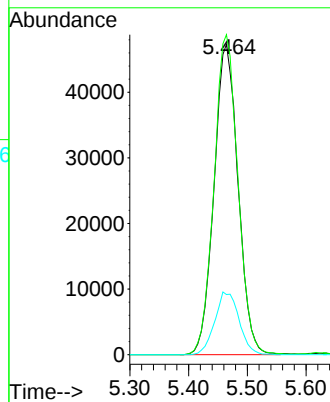
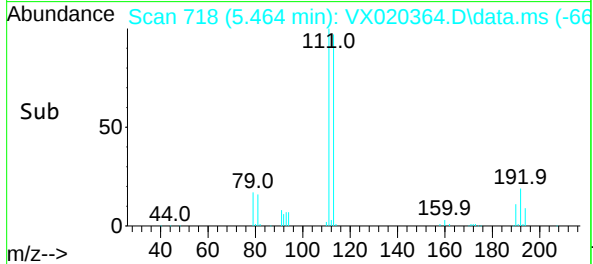


#35  
Dibromofluoromethane  
Concen: 50.91 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

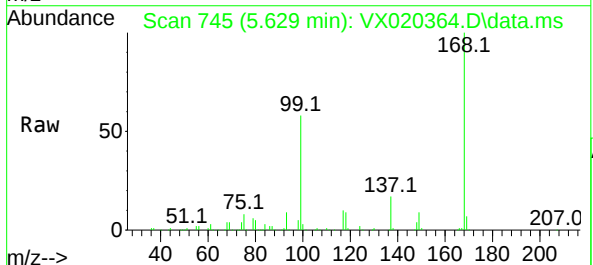
Instrument :  
MSVOA\_X  
ClientSampleId :  
39-MW104-121420



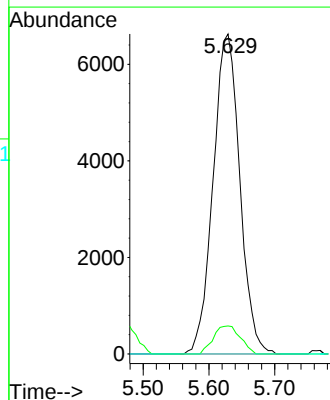
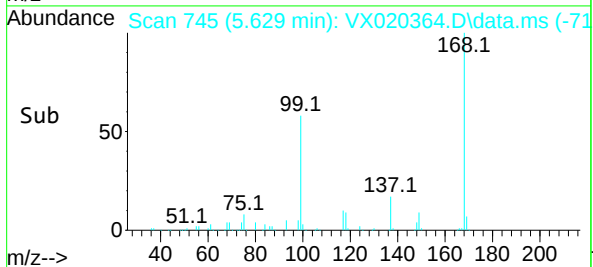
Tgt Ion:113 Resp: 134324  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.9 122.9  
192 20.4 16.7 25.1

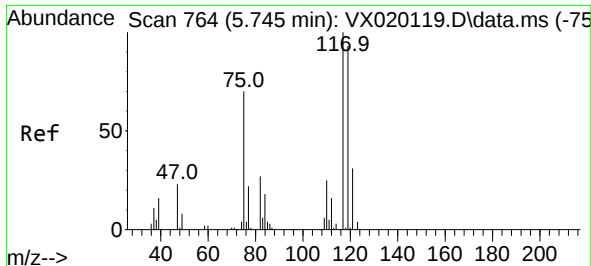


#36  
1,1-Dichloropropene  
Concen: 4.59 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.134 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01



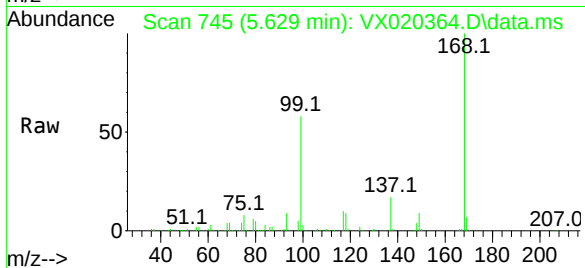
Tgt Ion: 75 Resp: 18728  
Ion Ratio Lower Upper  
75 100  
110 8.9 18.1 54.4#  
77 0.0 25.3 37.9#



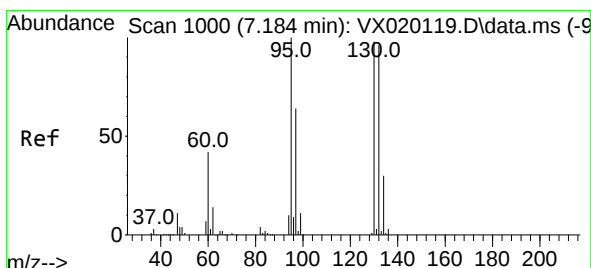
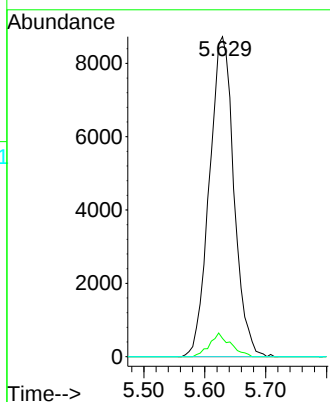
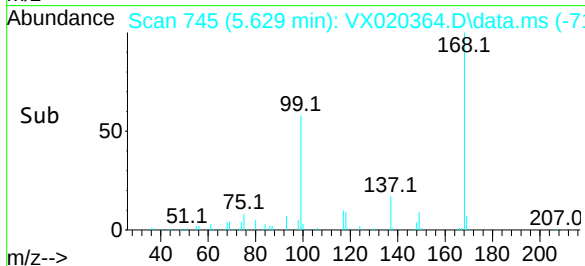


#38  
Carbon Tetrachloride  
Concen: 6.29 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.116 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

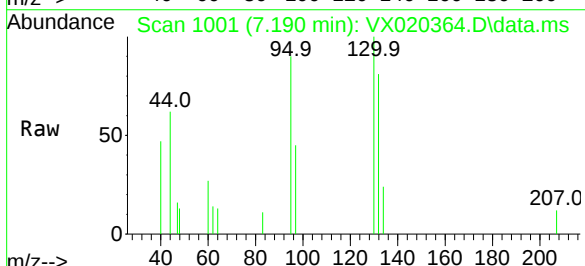
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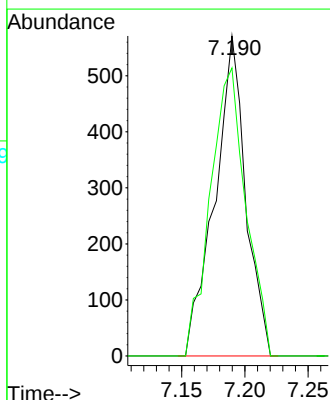
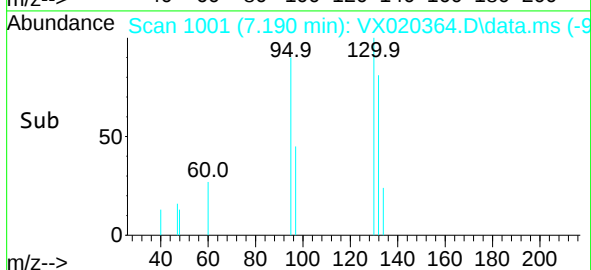
Tgt Ion:117 Resp: 24403  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.2 114.2#  
121 0.0 24.8 37.2#

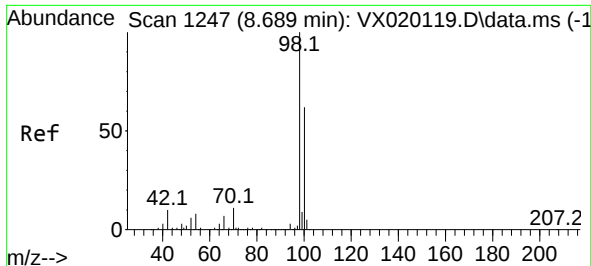


#44  
Trichloroethene  
Concen: 0.30 ug/l  
RT: 7.190 min Scan# 1001  
Delta R.T. 0.006 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01



Tgt Ion:130 Resp: 972  
Ion Ratio Lower Upper  
130 100  
95 90.0 0.0 198.0

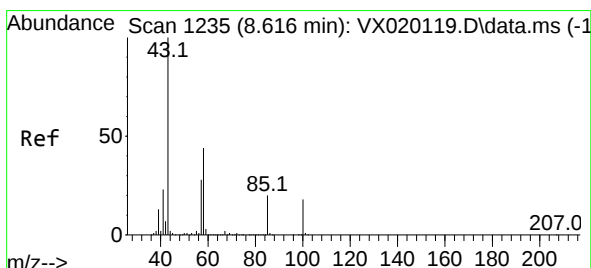
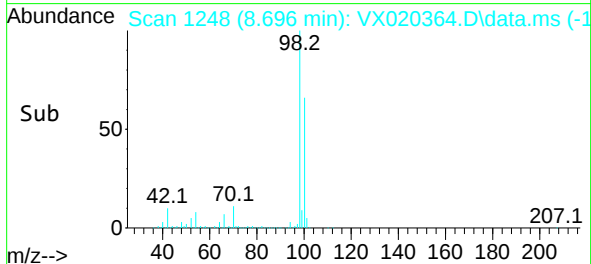
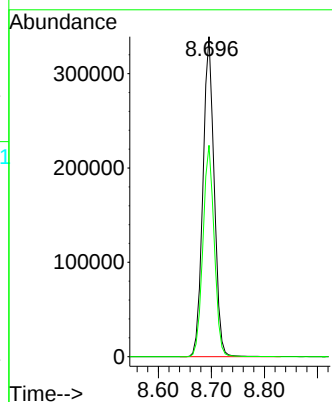
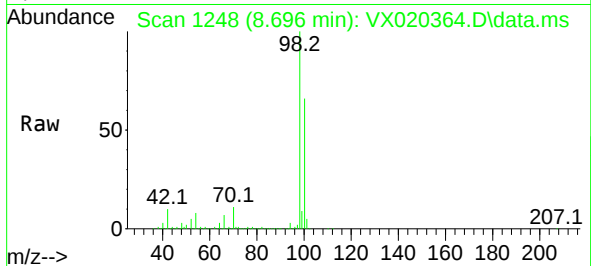




#50  
Toluene-d8  
Concen: 49.35 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.007 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

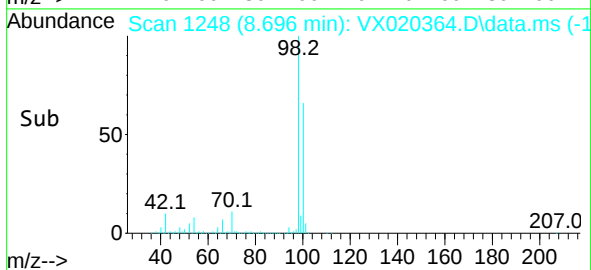
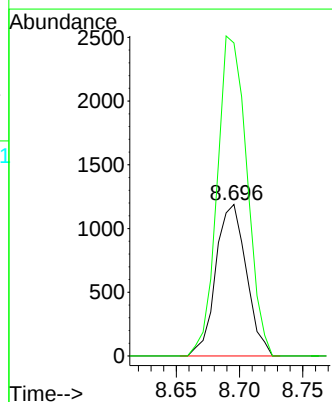
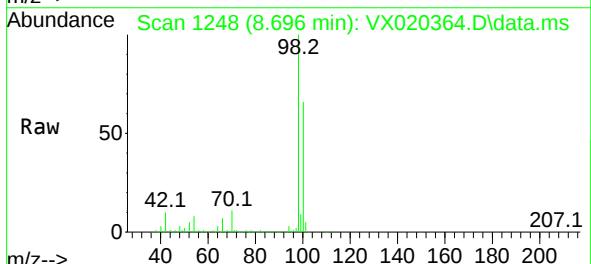
Instrument :  
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39-MW104-121420

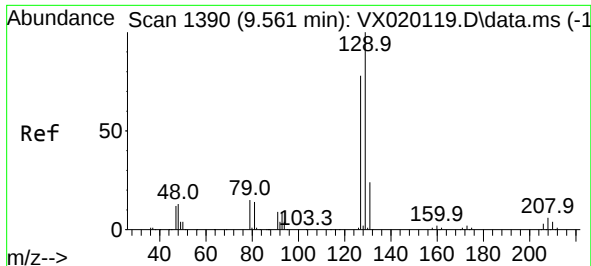
Tgt Ion: 98 Resp: 501220  
Ion Ratio Lower Upper  
98 100  
100 66.1 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.48 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.080 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

Tgt Ion: 43 Resp: 1998  
Ion Ratio Lower Upper  
43 100  
58 205.5 35.4 53.0#

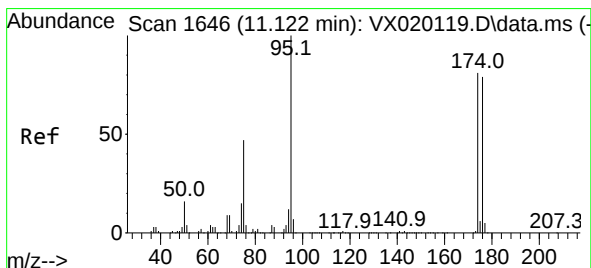
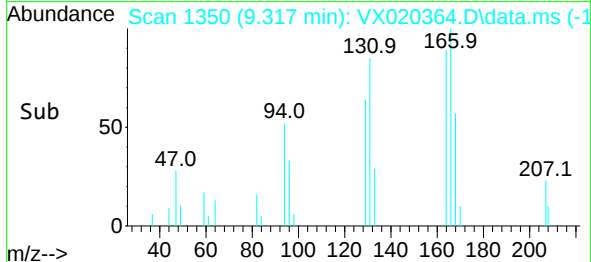
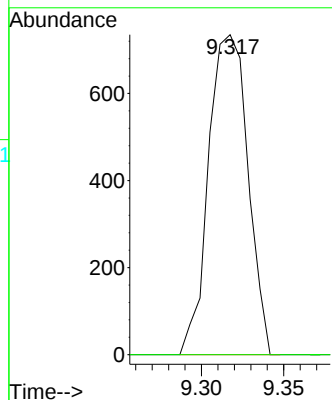
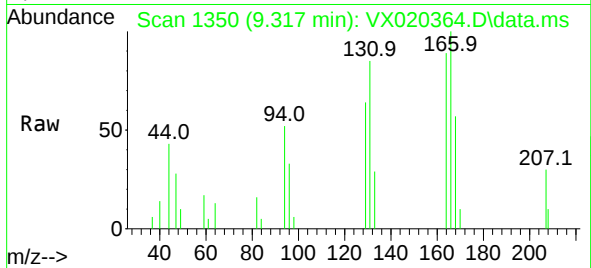




#60  
Dibromochloromethane  
Concen: 0.39 ug/l  
RT: 9.317 min Scan# 1350  
Delta R.T. -0.244 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

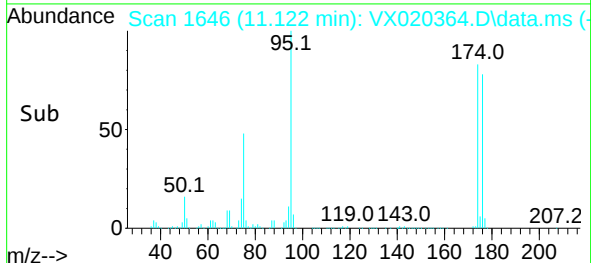
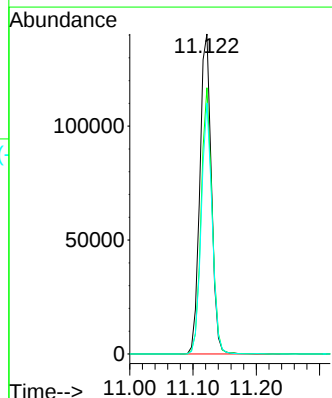
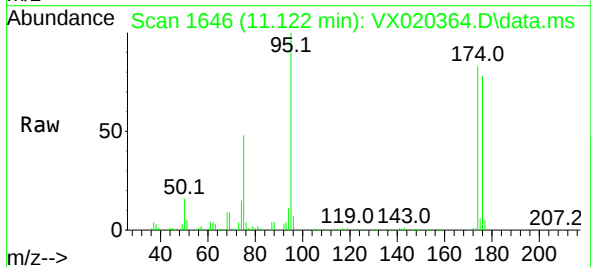
Instrument :  
MSVOA\_X  
ClientSampleId :  
39-MW104-121420

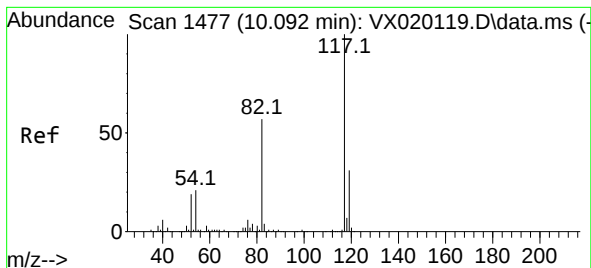
Tgt Ion:129 Resp: 1225  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#



#62  
4-Bromofluorobenzene  
Concen: 45.75 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.000 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

Tgt Ion: 95 Resp: 177866  
Ion Ratio Lower Upper  
95 100  
174 78.7 0.0 154.6  
176 74.0 0.0 155.8

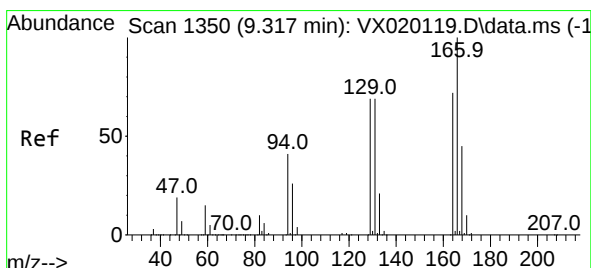
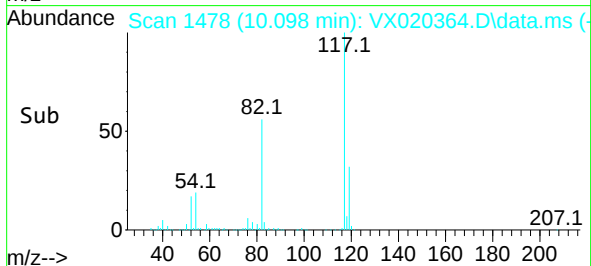
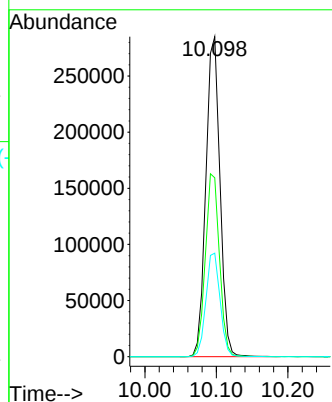
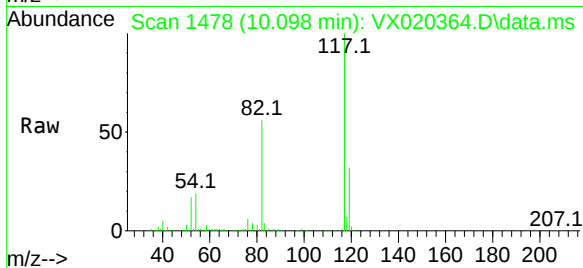




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.098 min Scan# 1478  
Delta R.T. 0.006 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

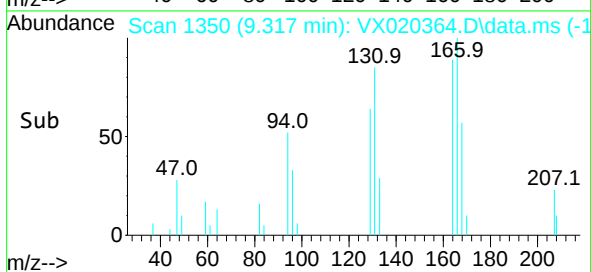
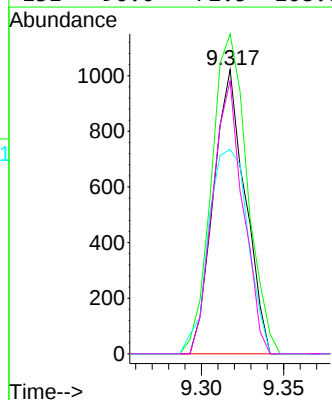
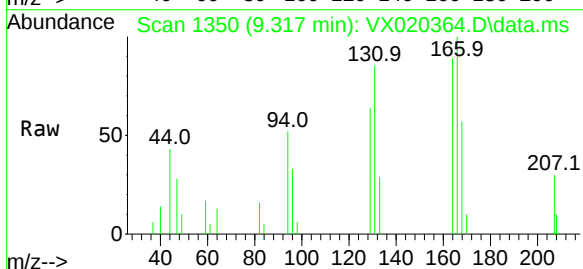
Instrument :  
MSVOA\_X  
ClientSampleId :  
39-MW104-121420

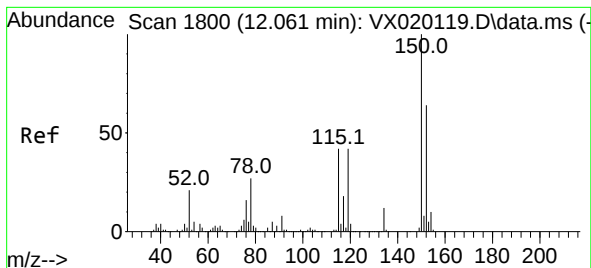
Tgt Ion:117 Resp: 391257  
Ion Ratio Lower Upper  
117 100  
82 55.9 47.4 71.2  
119 32.3 26.6 39.8



#64  
Tetrachloroethene  
Concen: 0.46 ug/l  
RT: 9.317 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

Tgt Ion:164 Resp: 1368  
Ion Ratio Lower Upper  
164 100  
166 112.5 103.4 155.2  
129 71.9 70.8 106.2  
131 96.0 72.5 108.7

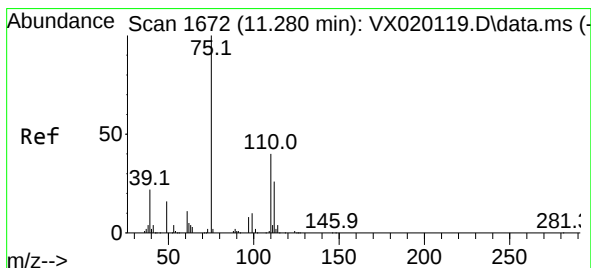
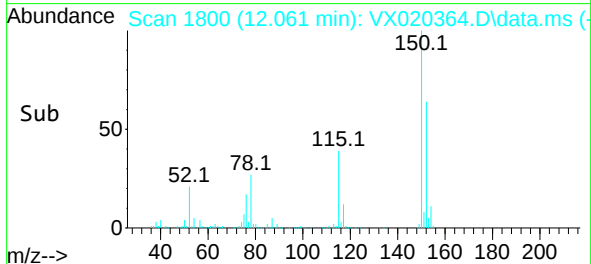
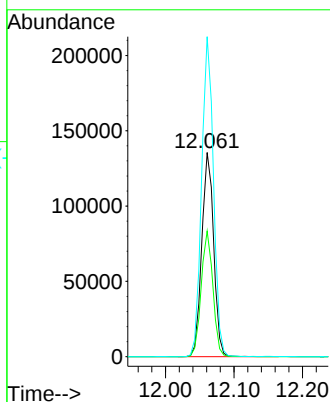
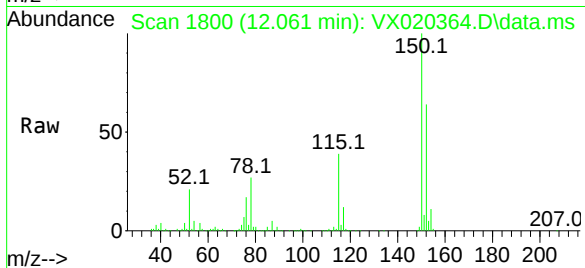




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.061 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

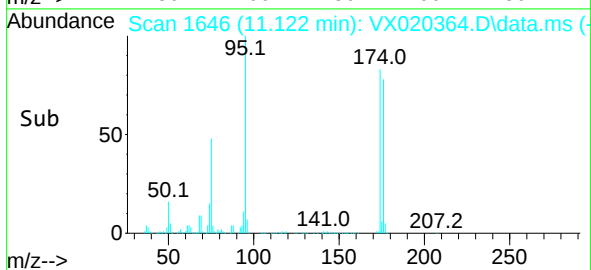
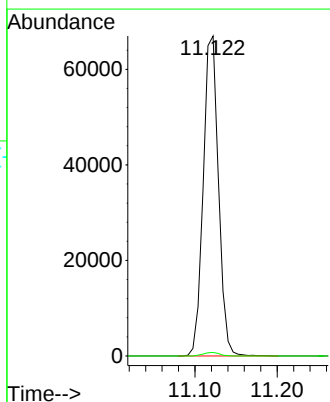
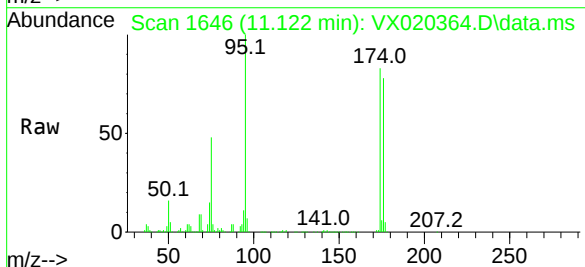
Instrument :  
MSVOA\_X  
ClientSampleId :  
39-MW104-121420

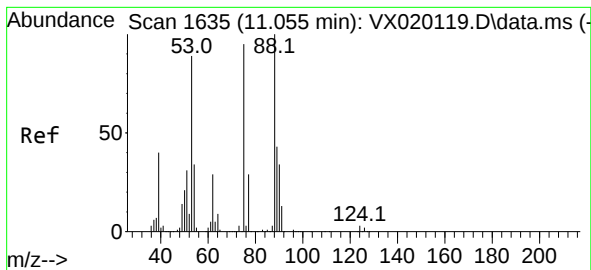
Tgt Ion:152 Resp: 163924  
Ion Ratio Lower Upper  
152 100  
115 60.5 41.1 123.3  
150 156.2 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 21.38 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.158 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

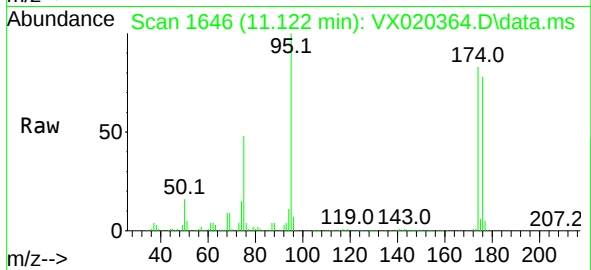
Tgt Ion: 75 Resp: 86321  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 63.42 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. 0.067 min  
Lab File: VX020364.D  
Acq: 24 Dec 2020 02:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
39-MW104-121420



Tgt Ion: 75 Resp: 86321  
Ion Ratio Lower Upper  
75 100  
53 0.1 74.5 111.7#  
89 0.0 37.9 56.9#

