

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032221\  
 Data File : VX021355.D  
 Acq On : 22 Mar 2021 14:08  
 Operator : JC/MD  
 Sample : M1736-04DL 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 23 02:00:23 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

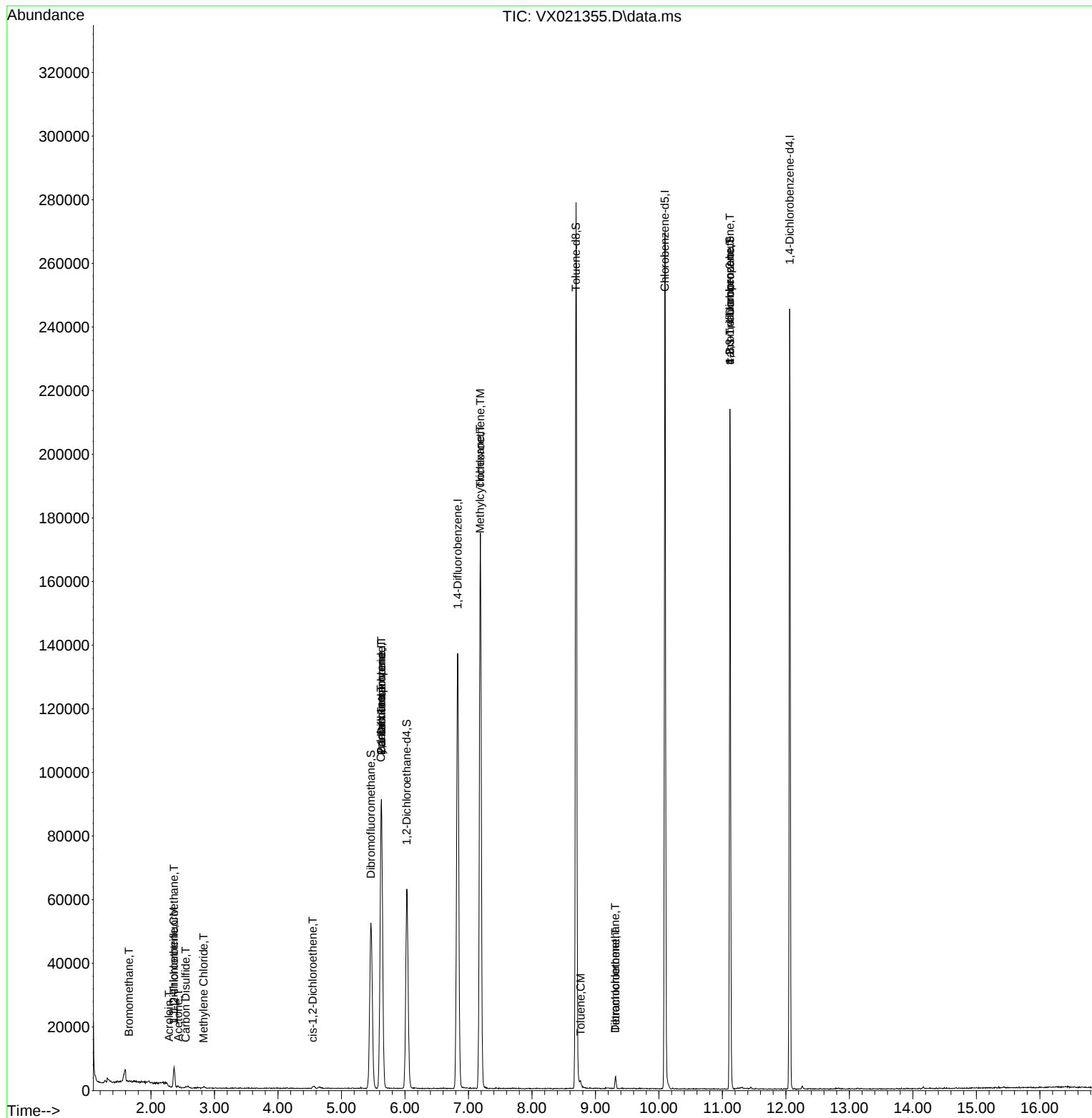
| Compound                      | R.T.           | QIon | Response   | Conc         | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|--------------|-------|----------|
| -----                         |                |      |            |              |       |          |
| Internal Standards            |                |      |            |              |       |          |
| 1) Pentafluorobenzene         | 5.629          | 168  | 77973      | 50.00        | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829          | 114  | 128784     | 50.00        | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.094         | 117  | 110809     | 50.00        | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059         | 152  | 44677      | 50.00        | ug/l  | 0.00     |
|                               |                |      |            |              |       |          |
| System Monitoring Compounds   |                |      |            |              |       |          |
| 33) 1,2-Dichloroethane-d4     | 6.029          | 65   | 61222      | 47.87        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 95.74%       |       |          |
| 35) Dibromofluoromethane      | 5.464          | 113  | 42995      | 49.06        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 98.12%       |       |          |
| 50) Toluene-d8                | 8.694          | 98   | 155524     | 48.91        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 97.82%       |       |          |
| 62) 4-Bromofluorobenzene      | 11.118         | 95   | 54246      | 43.93        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 87.86%       |       |          |
|                               |                |      |            |              |       |          |
| Target Compounds              |                |      |            |              |       | Qvalue   |
| 3) Chloromethane              | 1.311          | 50   | 1217       | Below Cal    |       | 97       |
| 5) Bromomethane               | 1.652          | 94   | 140        | 0.34 ug/l #  |       | 2        |
| 9) 1,1,2-Trichlorotrifluo...  | 2.364          | 101  | 2064       | 2.53 ug/l #  |       | 93       |
| 12) 1,1-Dichloroethene        | 2.358          | 96   | 294        | 0.37 ug/l    |       | 89       |
| 13) Acrolein                  | 2.282          | 56   | 18         | 3.26 ug/l #  |       | 1        |
| 16) Acetone                   | 2.429          | 43   | 644        | 1.37 ug/l #  |       | 40       |
| 17) Carbon Disulfide          | 2.546          | 76   | 146        | 0.60 ug/l #  |       | 75       |
| 20) Methylene Chloride        | 2.829          | 84   | 218        | 0.23 ug/l #  |       | 88       |
| 27) cis-1,2-Dichloroethene    | 4.547          | 96   | 449        | 0.44 ug/l    |       | 99       |
| 31) Cyclohexane               | 5.623          | 56   | 2053       | 1.33 ug/l #  |       | 33       |
| 36) 1,1-Dichloropropene       | 5.629          | 75   | 7085       | 5.46 ug/l #  |       | 49       |
| 38) Carbon Tetrachloride      | 5.629          | 117  | 8545       | 6.34 ug/l #  |       | 17       |
| 39) Methylcyclohexane         | 7.182          | 83   | 848        | 0.59 ug/l #  |       | 1        |
| 44) Trichloroethene           | 7.188          | 130  | 59824      | 62.98 ug/l   |       | 96       |
| 52) Toluene                   | 8.765          | 92   | 473        | 0.21 ug/l    |       | 89       |
| 60) Dibromochloromethane      | 9.312          | 129  | 607        | 0.59 ug/l #  |       | 11       |
| 64) Tetrachloroethene         | 9.318          | 164  | 633        | 0.76 ug/l    |       | 89       |
| 76) 1,2,3-Trichloropropane    | 11.118         | 75   | 31111      | 30.02 ug/l # |       | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118         | 75   | 31111      | 81.50 ug/l # |       | 12       |
| -----                         |                |      |            |              |       |          |

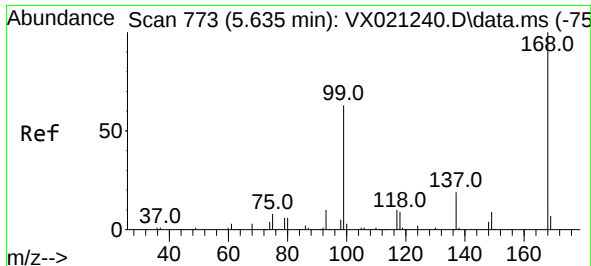
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Mar 16 14:00:21 2021  
Response via : Initial Calibration

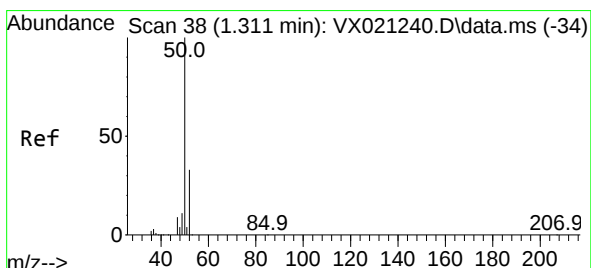
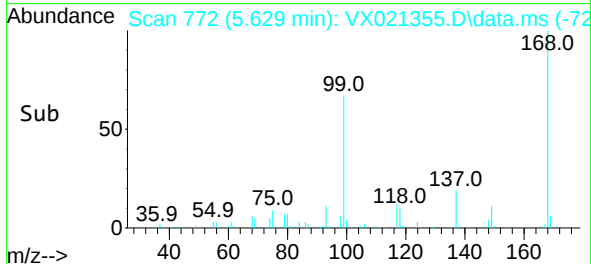
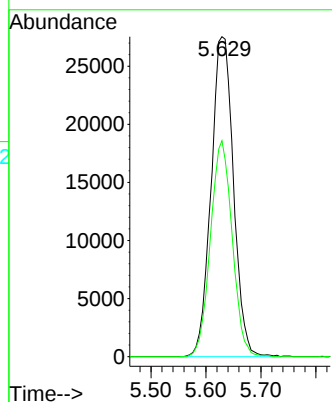
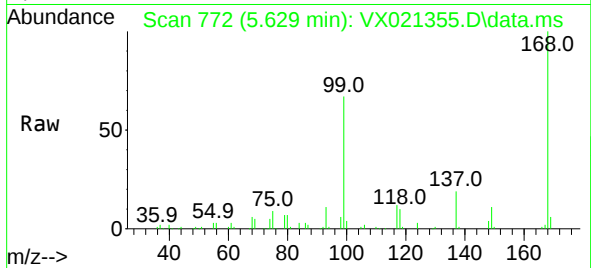




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.006 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

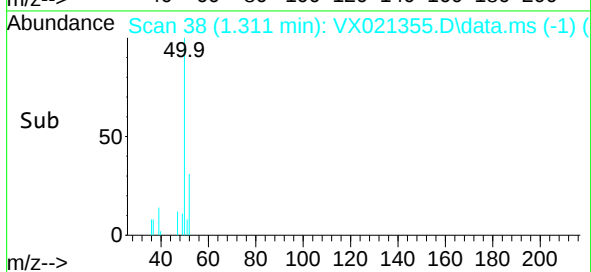
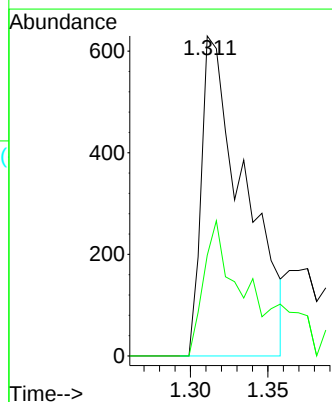
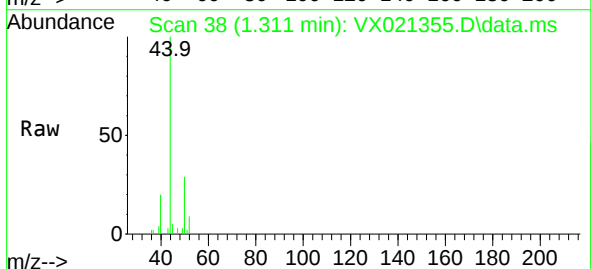
Instrument :  
MSVOA\_X  
ClientSampleId :

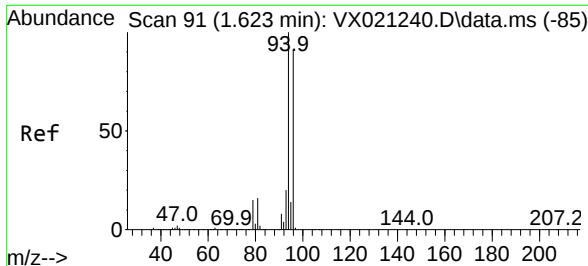
Tgt Ion:168 Resp: 77973  
Ion Ratio Lower Upper  
168 100  
99 67.5 45.8 68.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.311 min Scan# 38  
Delta R.T. -0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

Tgt Ion: 50 Resp: 1217  
Ion Ratio Lower Upper  
50 100  
52 31.4 26.4 39.6

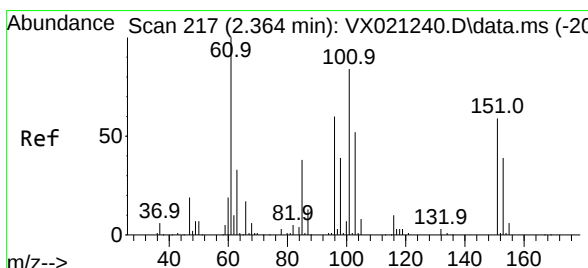
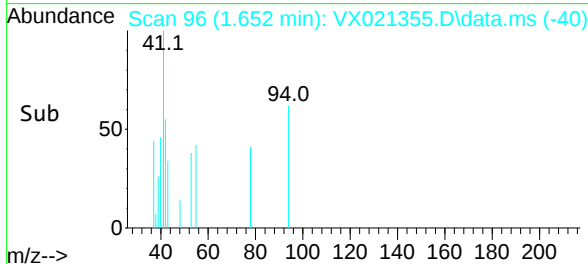
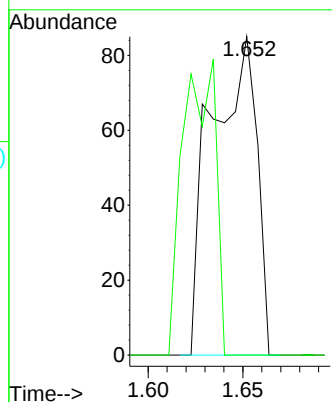
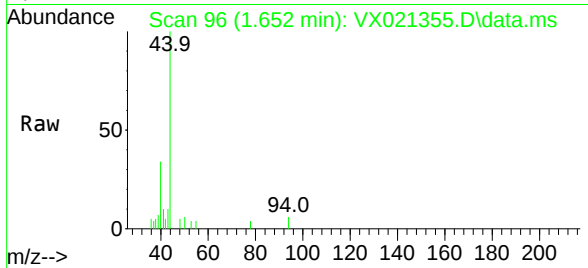




#5  
Bromomethane  
Concen: 0.34 ug/l  
RT: 1.652 min Scan# 96  
Delta R.T. 0.029 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

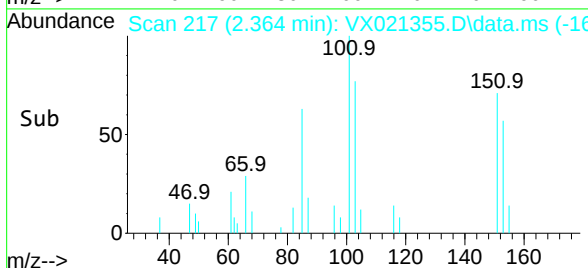
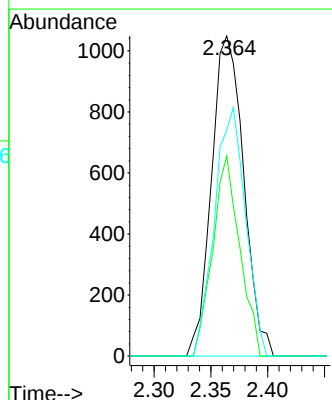
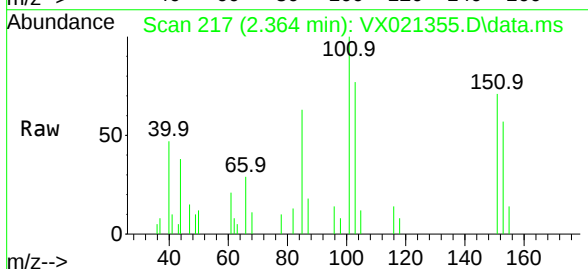
Instrument :  
MSVOA\_X  
ClientSampled :

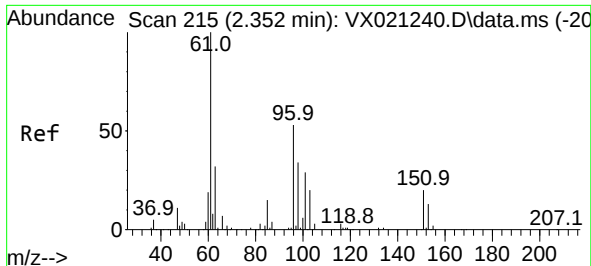
Tgt Ion: 94 Resp: 140  
Ion Ratio Lower Upper  
94 100  
96 0.0 76.4 114.6#



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.53 ug/l  
RT: 2.364 min Scan# 217  
Delta R.T. -0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

Tgt Ion:101 Resp: 2064  
Ion Ratio Lower Upper  
101 100  
85 52.7 34.9 52.3#  
151 74.9 61.4 92.2

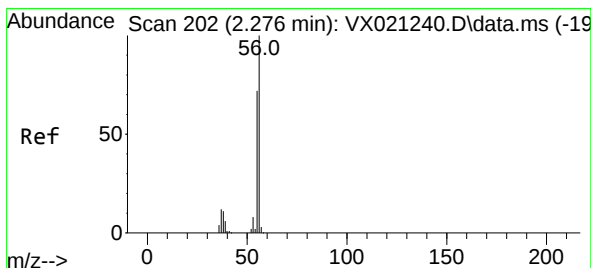
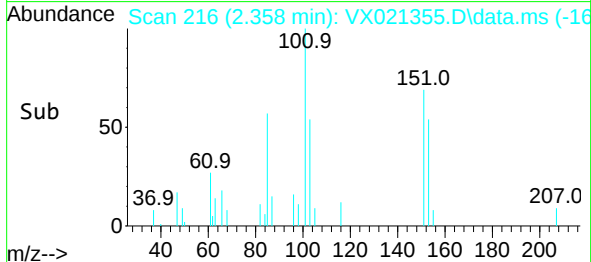
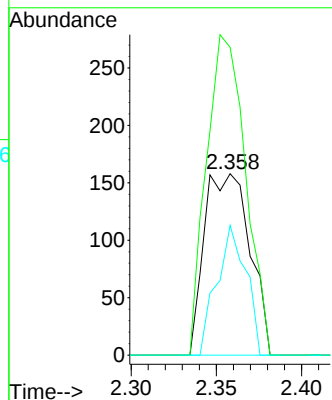
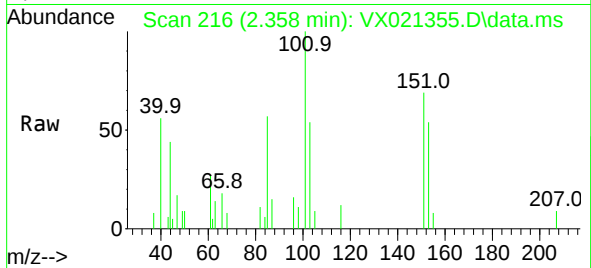




#12  
1,1-Dichloroethene  
Concen: 0.37 ug/l  
RT: 2.358 min Scan# 216  
Delta R.T. 0.006 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

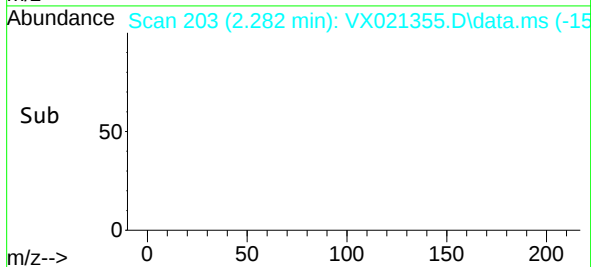
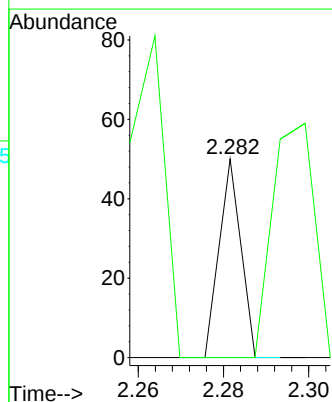
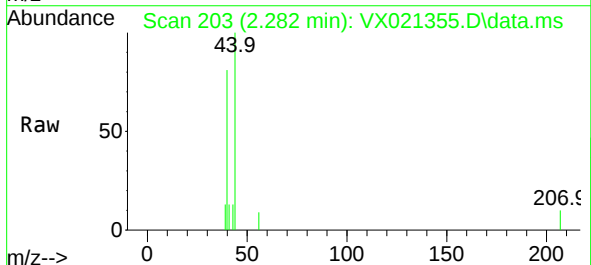
Instrument :  
MSVOA\_X  
ClientSampleId :

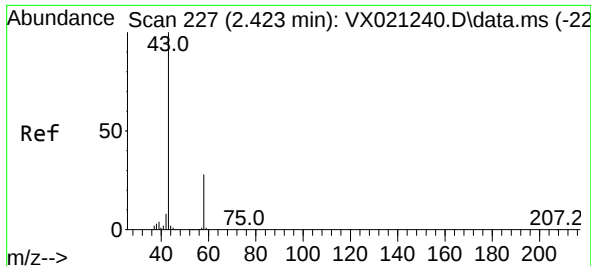
Tgt Ion: 96 Resp: 294  
Ion Ratio Lower Upper  
96 100  
61 169.6 124.6 187.0  
98 71.5 50.6 76.0



#13  
Acrolein  
Concen: 3.26 ug/l  
RT: 2.282 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

Tgt Ion: 56 Resp: 18  
Ion Ratio Lower Upper  
56 100  
55 222.2 56.4 84.6#

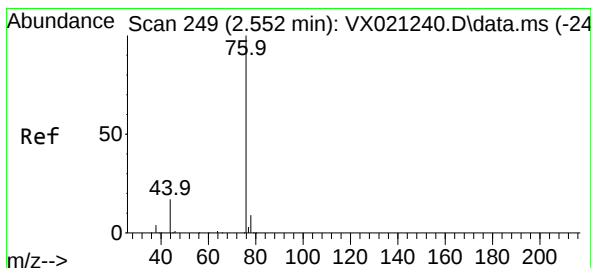
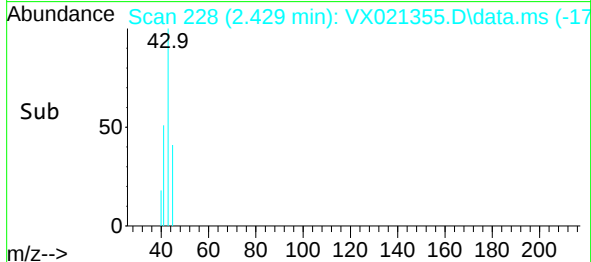
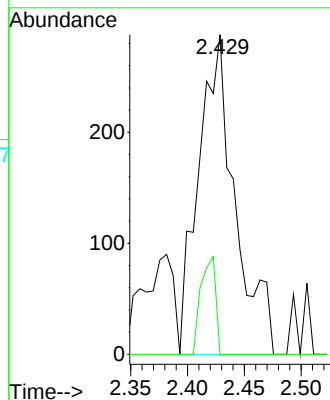
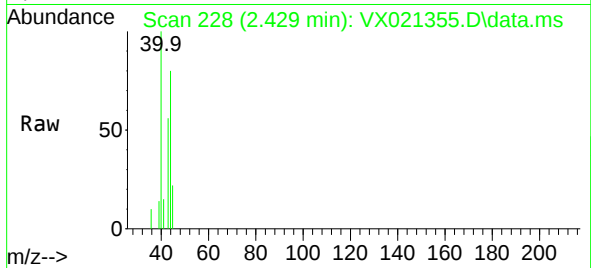




#16  
Acetone  
Concen: 1.37 ug/l  
RT: 2.429 min Scan# 228  
Delta R.T. 0.006 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

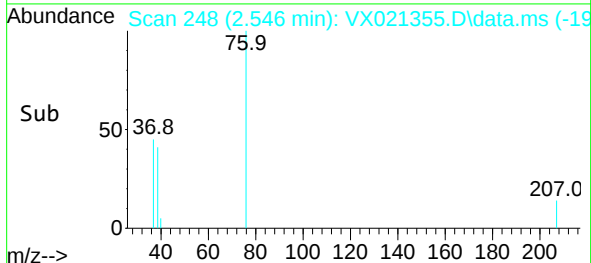
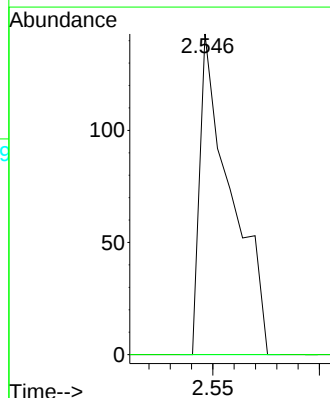
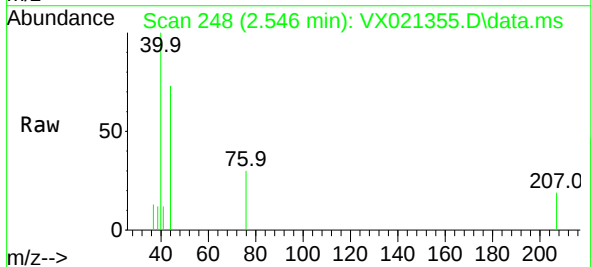
Instrument :  
MSVOA\_X  
ClientSampled :

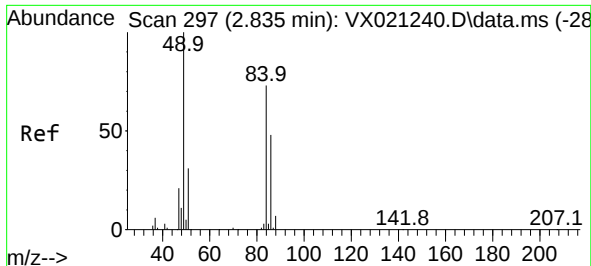
Tgt Ion: 43 Resp: 644  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 0.60 ug/l  
RT: 2.546 min Scan# 248  
Delta R.T. -0.006 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

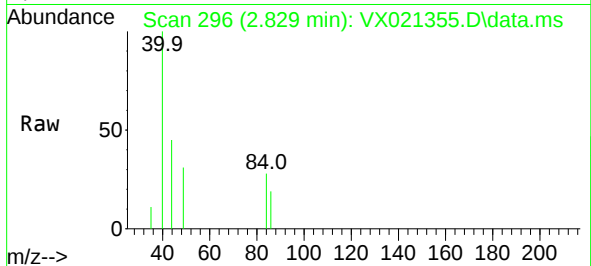
Tgt Ion: 76 Resp: 146  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#





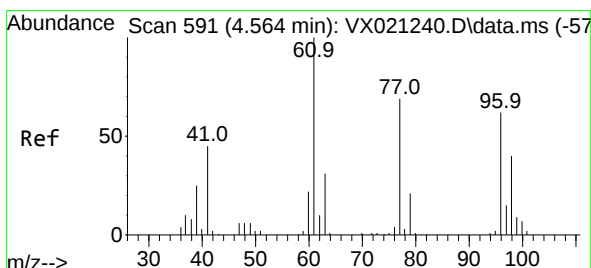
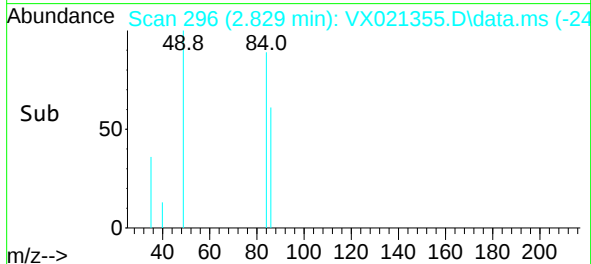
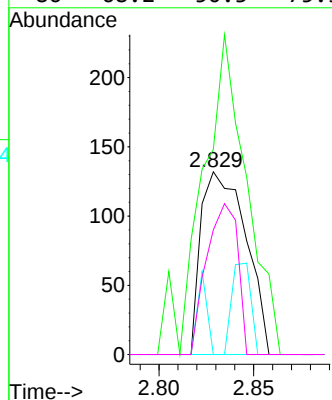
#20  
Methylene Chloride  
Concen: 0.23 ug/l  
RT: 2.829 min Scan# 296  
Delta R.T. -0.006 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 84 Resp: 218

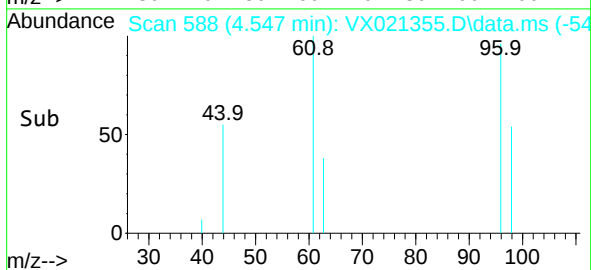
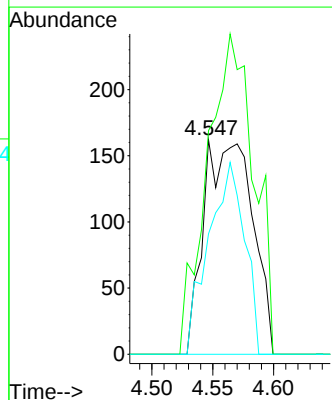
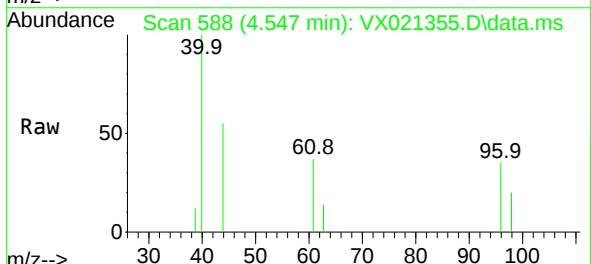
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 112.1 | 88.6  | 132.8 |
| 51  | 0.0   | 27.0  | 40.6# |
| 86  | 68.2  | 50.3  | 75.5  |

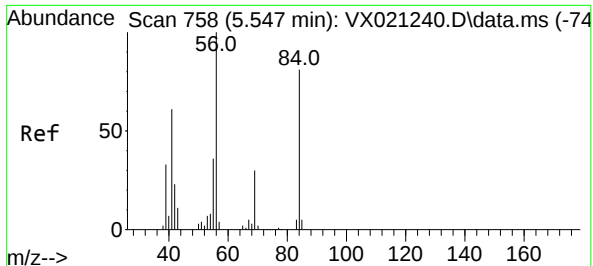


#27  
cis-1,2-Dichloroethene  
Concen: 0.44 ug/l  
RT: 4.547 min Scan# 588  
Delta R.T. -0.017 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

Tgt Ion: 96 Resp: 449

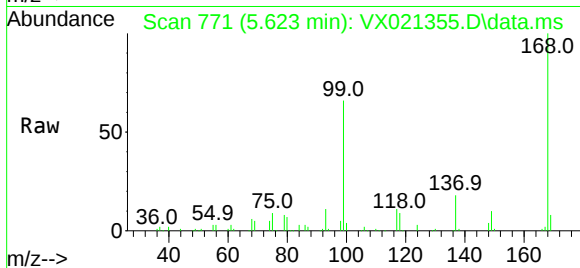
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 143.7 | 0.0   | 285.6 |
| 98  | 66.1  | 0.0   | 129.6 |



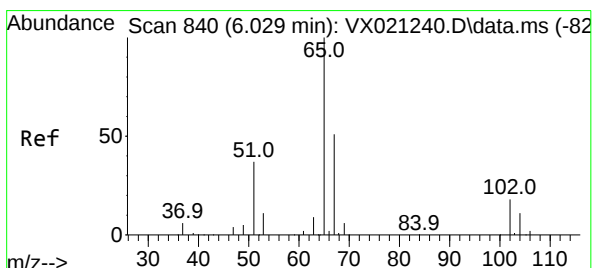
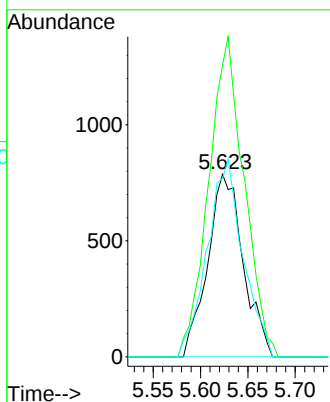
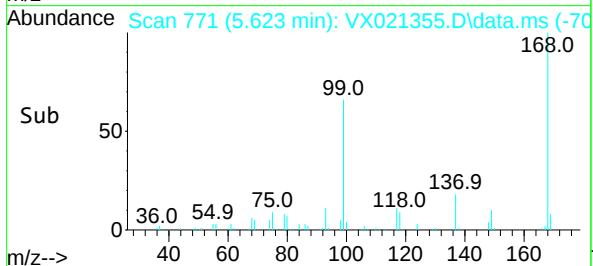


#31  
Cyclohexane  
Concen: 1.33 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. 0.076 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

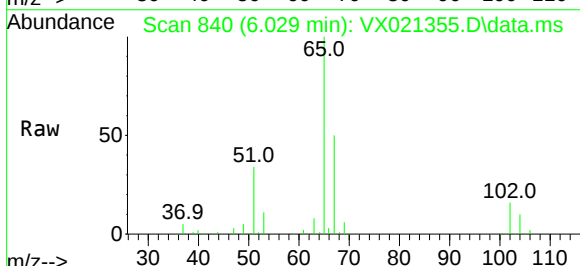
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MSVOA\_X  
ClientSampleId :



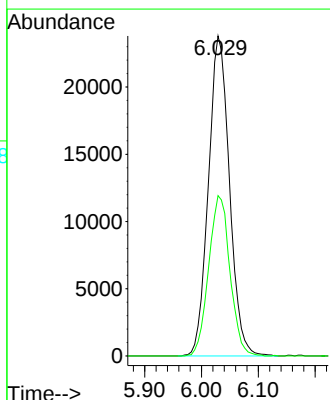
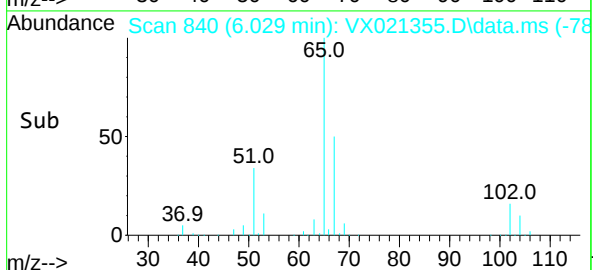
Tgt Ion: 56 Resp: 2053  
Ion Ratio Lower Upper  
56 100  
69 159.7 25.3 37.9#  
84 97.7 71.4 107.0

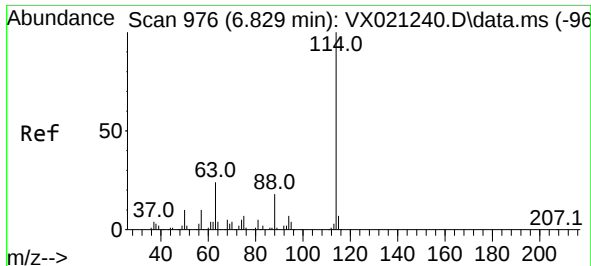


#33  
1,2-Dichloroethane-d4  
Concen: 47.87 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08



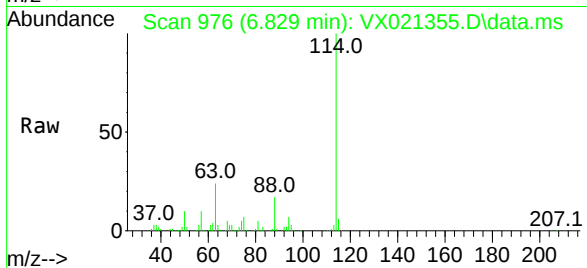
Tgt Ion: 65 Resp: 61222  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 105.4



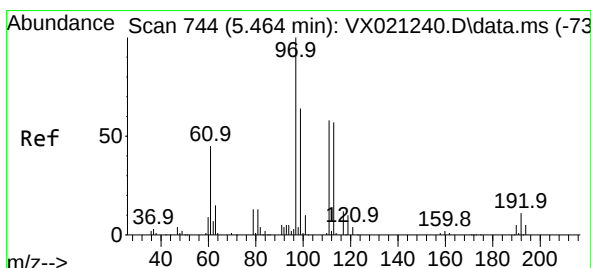
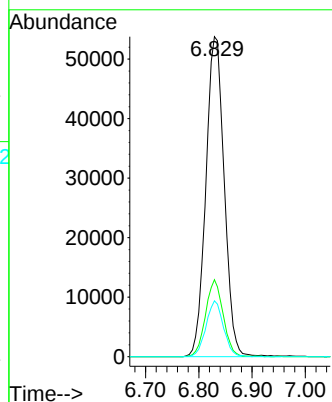
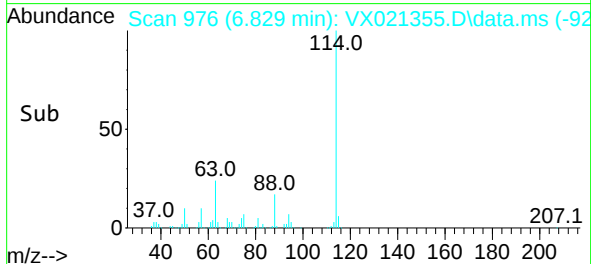


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

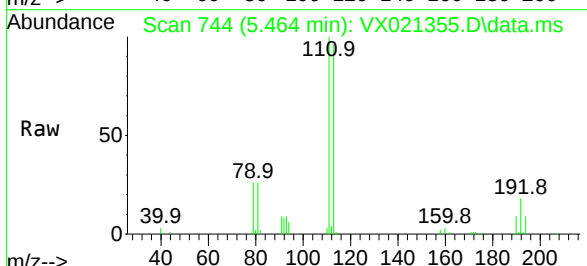
Instrument :  
MSVOA\_X  
ClientSampleId :



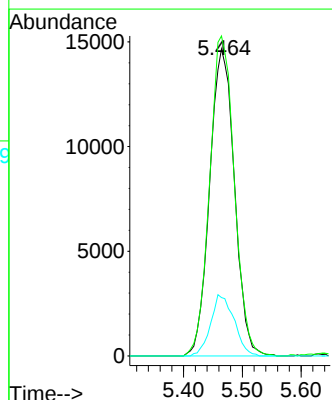
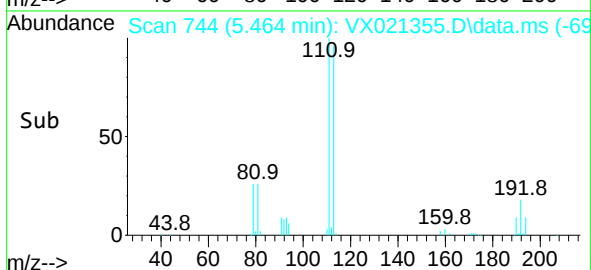
Tgt Ion:114 Resp: 128784  
Ion Ratio Lower Upper  
114 100  
63 24.0 0.0 40.8  
88 17.4 0.0 32.8

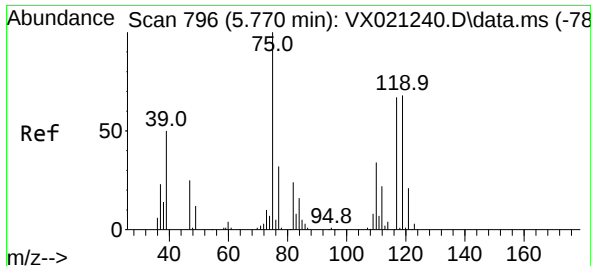


#35  
Dibromofluoromethane  
Concen: 49.06 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08



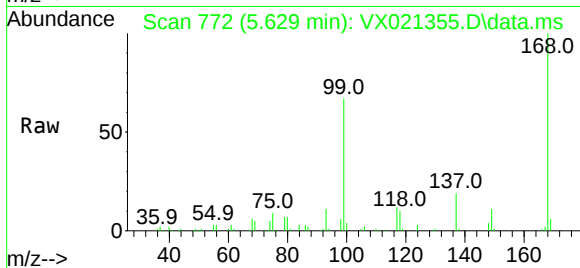
Tgt Ion:113 Resp: 42995  
Ion Ratio Lower Upper  
113 100  
111 103.6 81.9 122.9  
192 18.8 16.7 25.1



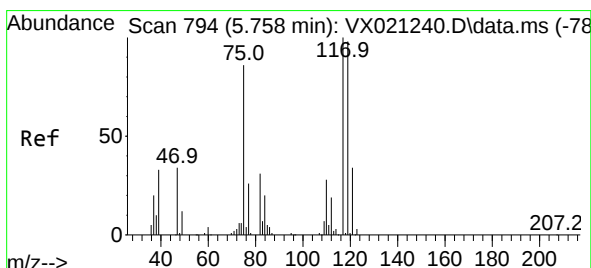
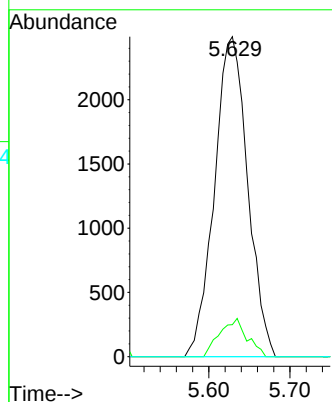
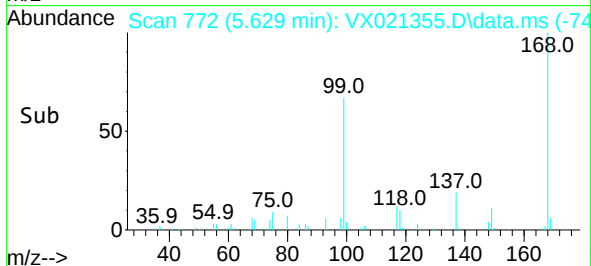


#36  
1,1-Dichloropropene  
Concen: 5.46 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.141 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

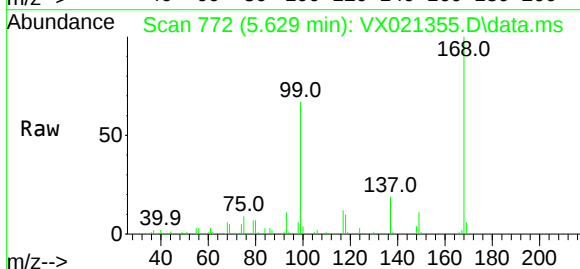
Instrument :  
MSVOA\_X  
ClientSampled :



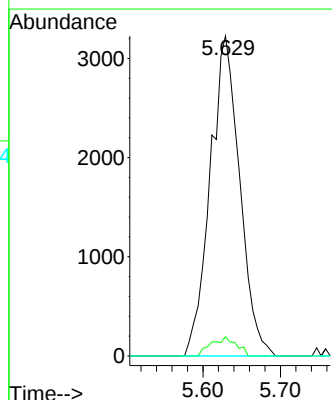
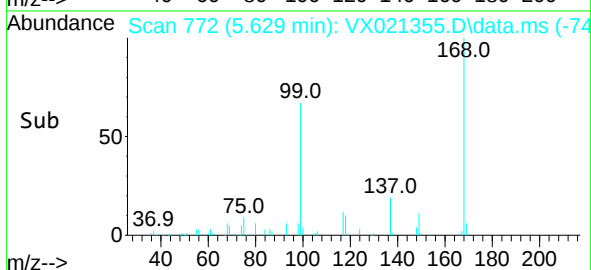
Tgt Ion: 75 Resp: 7085  
Ion Ratio Lower Upper  
75 100  
110 9.8 18.1 54.4#  
77 0.0 25.3 37.9#

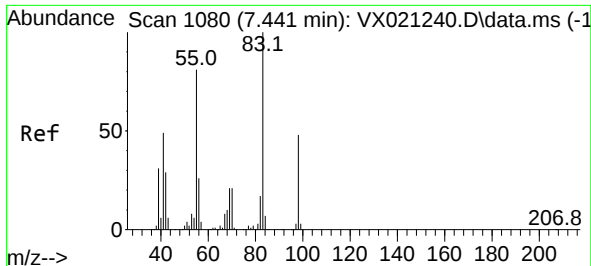


#38  
Carbon Tetrachloride  
Concen: 6.34 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.129 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08



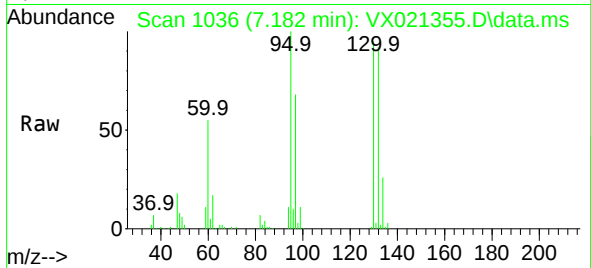
Tgt Ion: 117 Resp: 8545  
Ion Ratio Lower Upper  
117 100  
119 6.0 76.2 114.2#  
121 0.0 24.8 37.2#



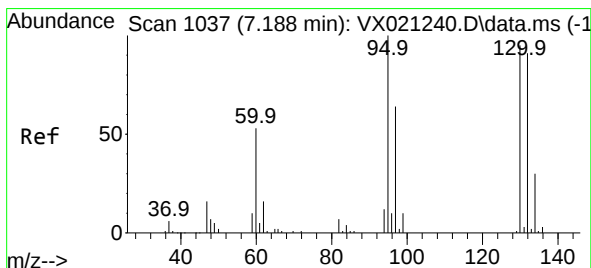
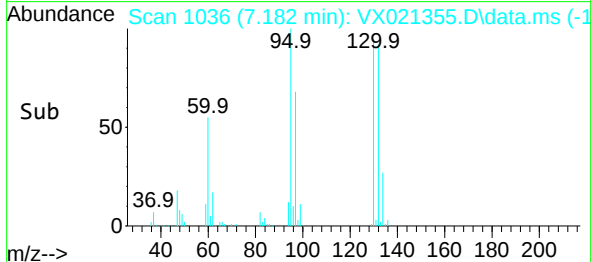
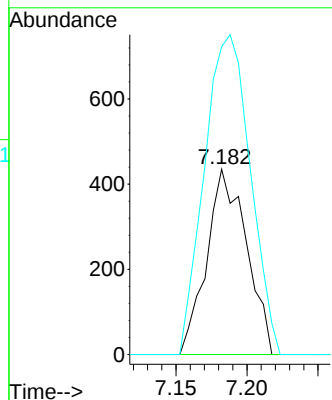


#39  
Methylcyclohexane  
Concen: 0.59 ug/l  
RT: 7.182 min Scan# 1036  
Delta R.T. -0.259 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

Instrument :  
MSVOA\_X  
ClientSampled :

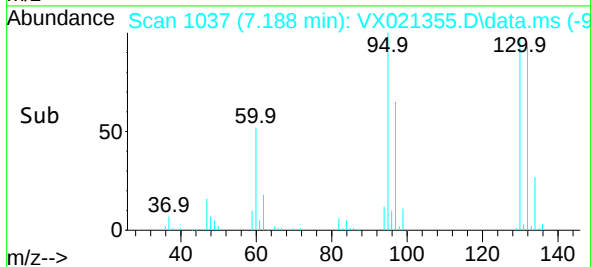
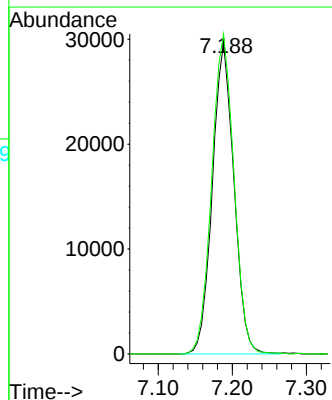
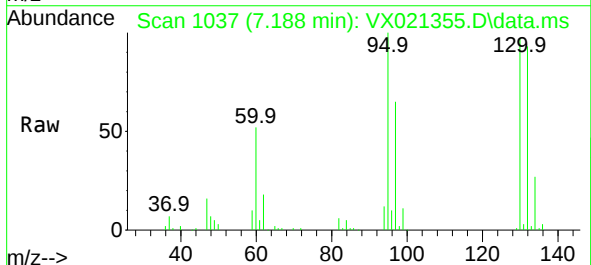


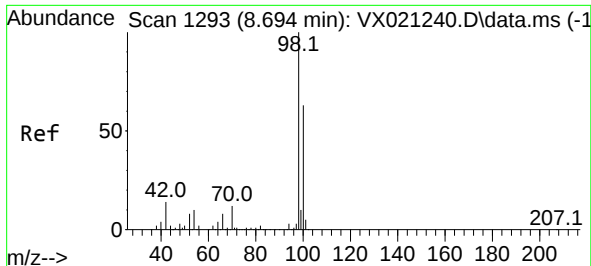
Tgt Ion: 83 Resp: 848  
Ion Ratio Lower Upper  
83 100  
55 0.0 58.9 88.3#  
98 166.2 38.1 57.1#



#44  
Trichloroethene  
Concen: 62.98 ug/l  
RT: 7.188 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

Tgt Ion:130 Resp: 59824  
Ion Ratio Lower Upper  
130 100  
95 102.8 0.0 198.0

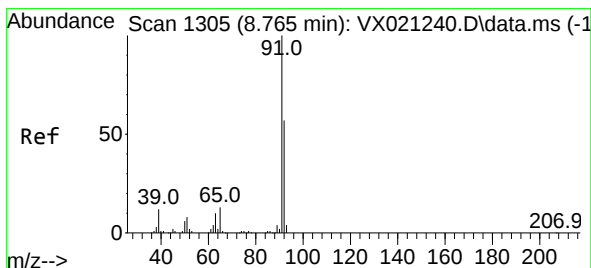
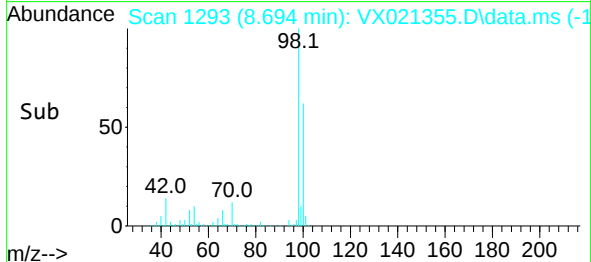
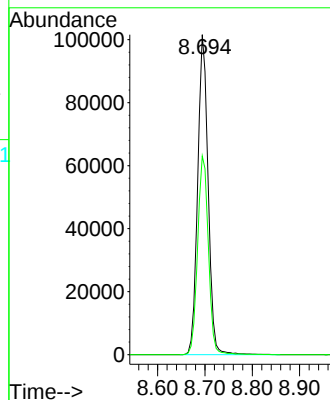
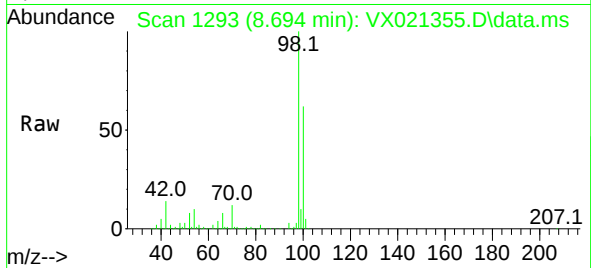




#50  
Toluene-d8  
Concen: 48.91 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

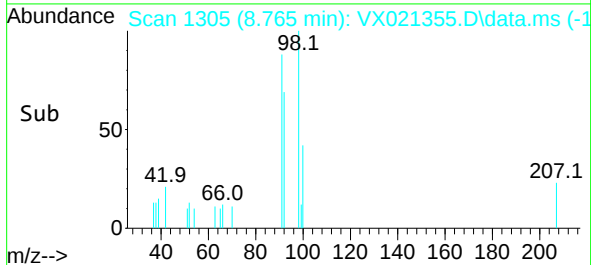
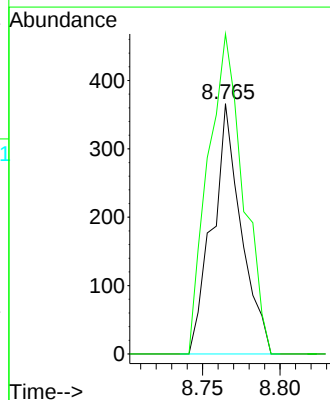
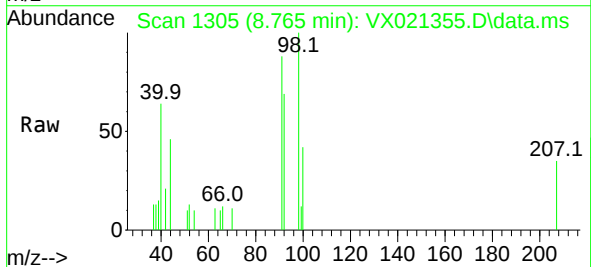
Instrument :  
MSVOA\_X  
ClientSampled :

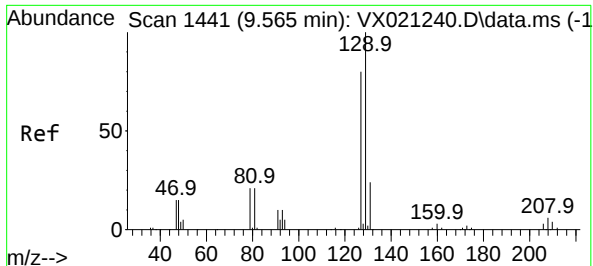
Tgt Ion: 98 Resp: 155524  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.9 77.9



#52  
Toluene  
Concen: 0.21 ug/l  
RT: 8.765 min Scan# 1305  
Delta R.T. -0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

Tgt Ion: 92 Resp: 473  
Ion Ratio Lower Upper  
92 100  
91 155.8 137.1 205.7

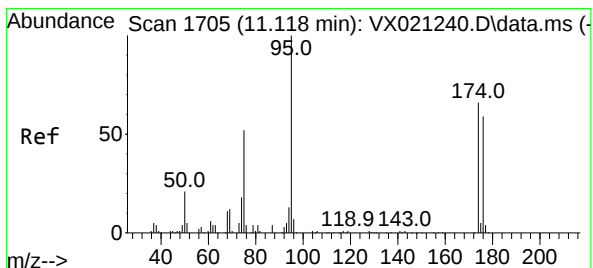
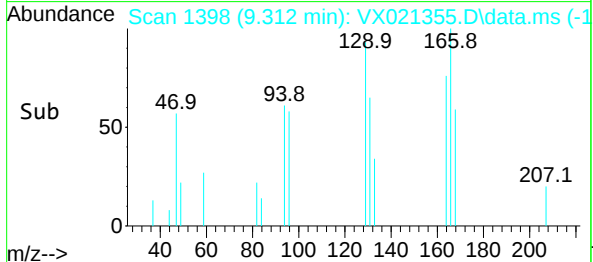
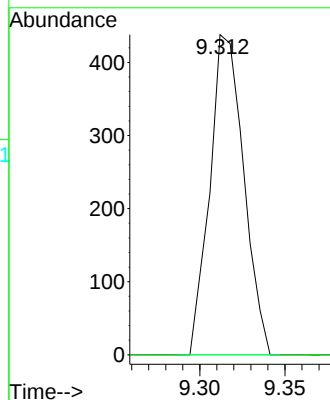
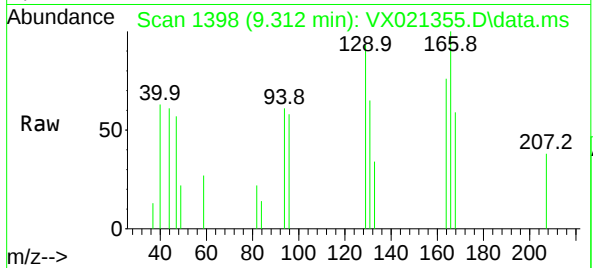




#60  
Dibromochloromethane  
Concen: 0.59 ug/l  
RT: 9.312 min Scan# 1398  
Delta R.T. -0.253 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

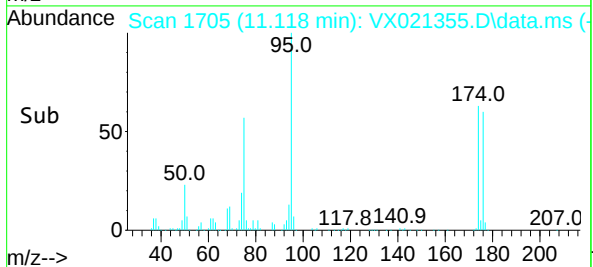
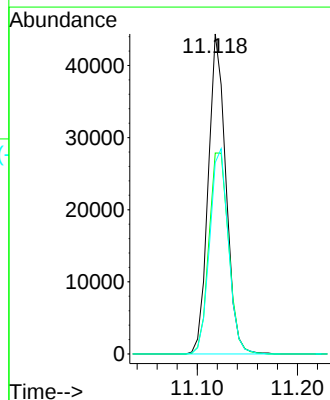
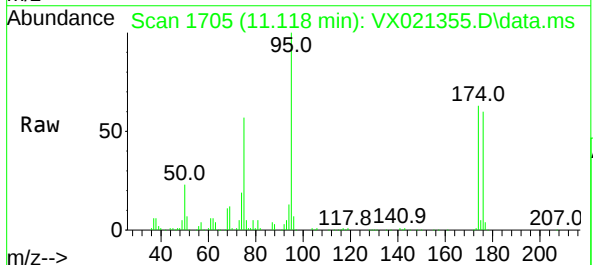
Instrument :  
MSVOA\_X  
ClientSampleId :

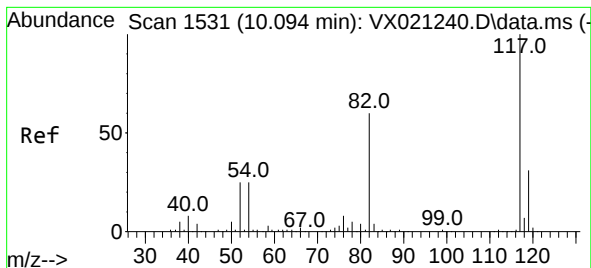
Tgt Ion:129 Resp: 607  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#



#62  
4-Bromofluorobenzene  
Concen: 43.93 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

Tgt Ion: 95 Resp: 54246  
Ion Ratio Lower Upper  
95 100  
174 69.9 0.0 154.6  
176 67.9 0.0 155.8

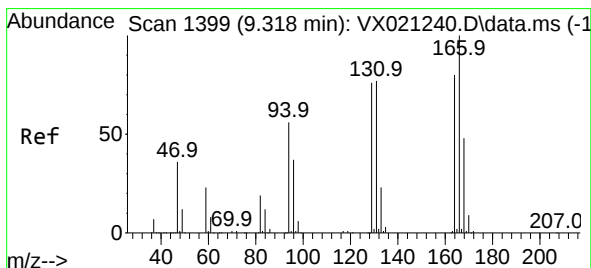
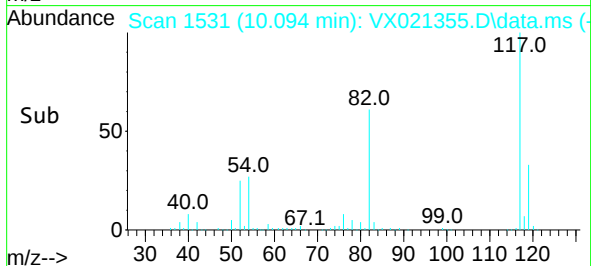
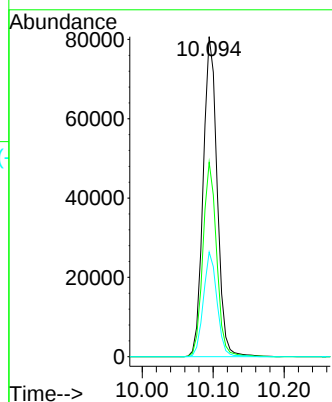
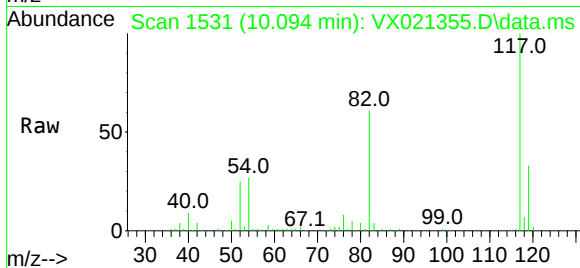




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

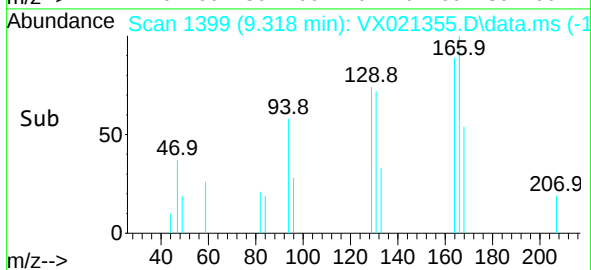
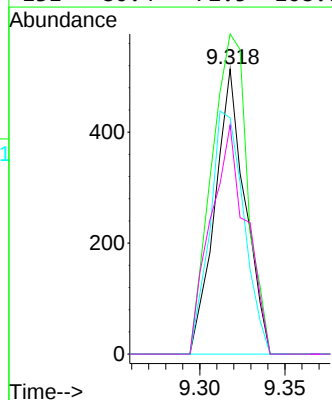
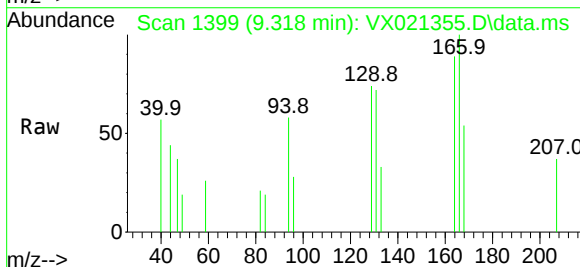
Instrument :  
MSVOA\_X  
ClientSampled :

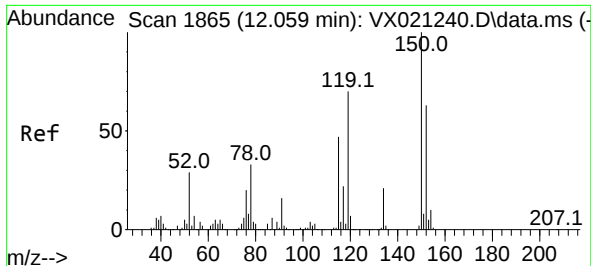
Tgt Ion:117 Resp: 110809  
Ion Ratio Lower Upper  
117 100  
82 60.8 47.4 71.2  
119 32.7 26.6 39.8



#64  
Tetrachloroethene  
Concen: 0.76 ug/l  
RT: 9.318 min Scan# 1399  
Delta R.T. -0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

Tgt Ion:164 Resp: 633  
Ion Ratio Lower Upper  
164 100  
166 112.3 103.4 155.2  
129 82.9 70.8 106.2  
131 80.4 72.5 108.7

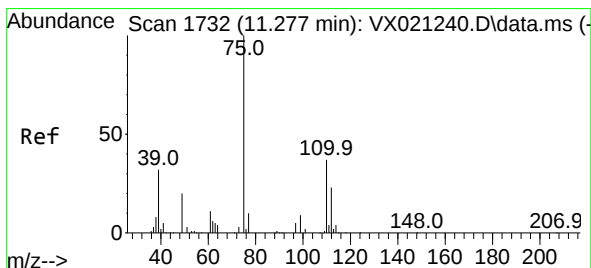
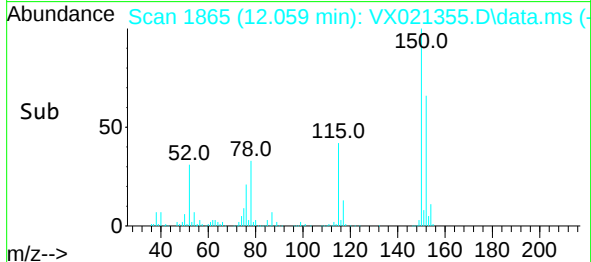
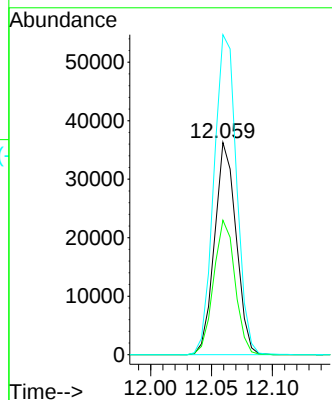
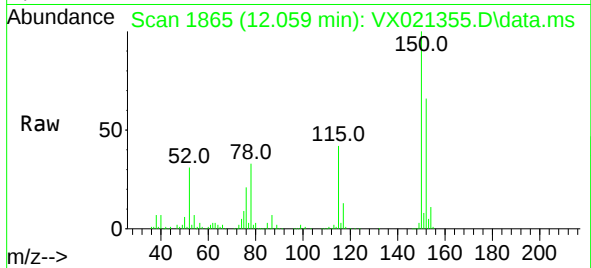




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

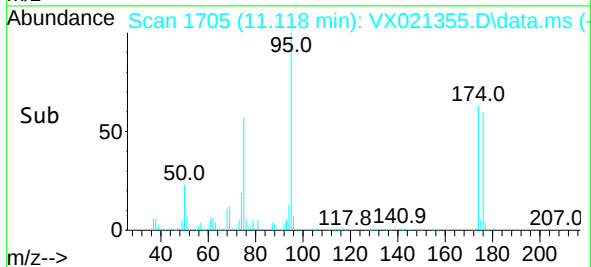
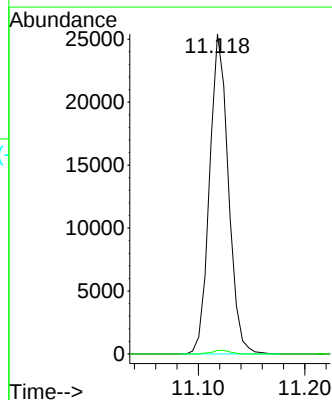
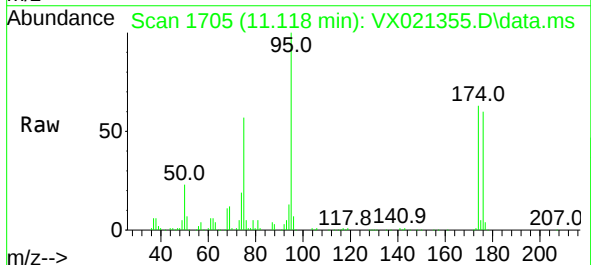
Instrument :  
MSVOA\_X  
ClientSampleId :

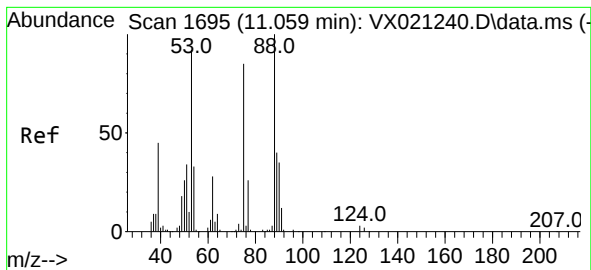
Tgt Ion:152 Resp: 44677  
Ion Ratio Lower Upper  
152 100  
115 63.0 41.1 123.3  
150 158.1 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 30.02 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021355.D  
Acq: 22 Mar 2021 14:08

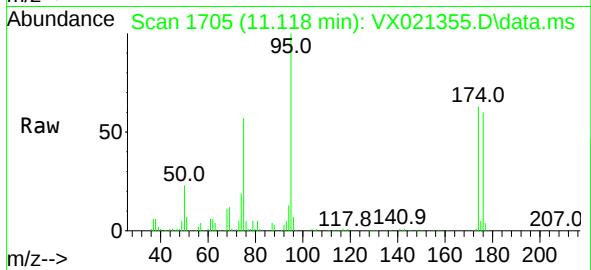
Tgt Ion: 75 Resp: 31111  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 81.50 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. 0.059 min  
 Lab File: VX021355.D  
 Acq: 22 Mar 2021 14:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 31111  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.5 111.7#  
 89 0.0 37.9 56.9#

