

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031521\  
 Data File : VX021199.D  
 Acq On : 15 Mar 2021 15:11  
 Operator : JC/MD  
 Sample : M1583-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 16 03:01:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 15 11:55:59 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 5.635  | 168  | 72741    | 50.00 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 6.829  | 114  | 134030   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.094 | 117  | 127645   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.065 | 152  | 53789    | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 6.029  | 65    | 63480    | 51.18    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 102.36% |
| 35) Dibromofluoromethane    | 5.470  | 113   | 46028    | 49.91    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 99.82%  |
| 50) Toluene-d8              | 8.694  | 98    | 168532   | 50.88    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 101.76% |
| 62) 4-Bromofluorobenzene    | 11.118 | 95    | 65237    | 51.68    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 103.36% |

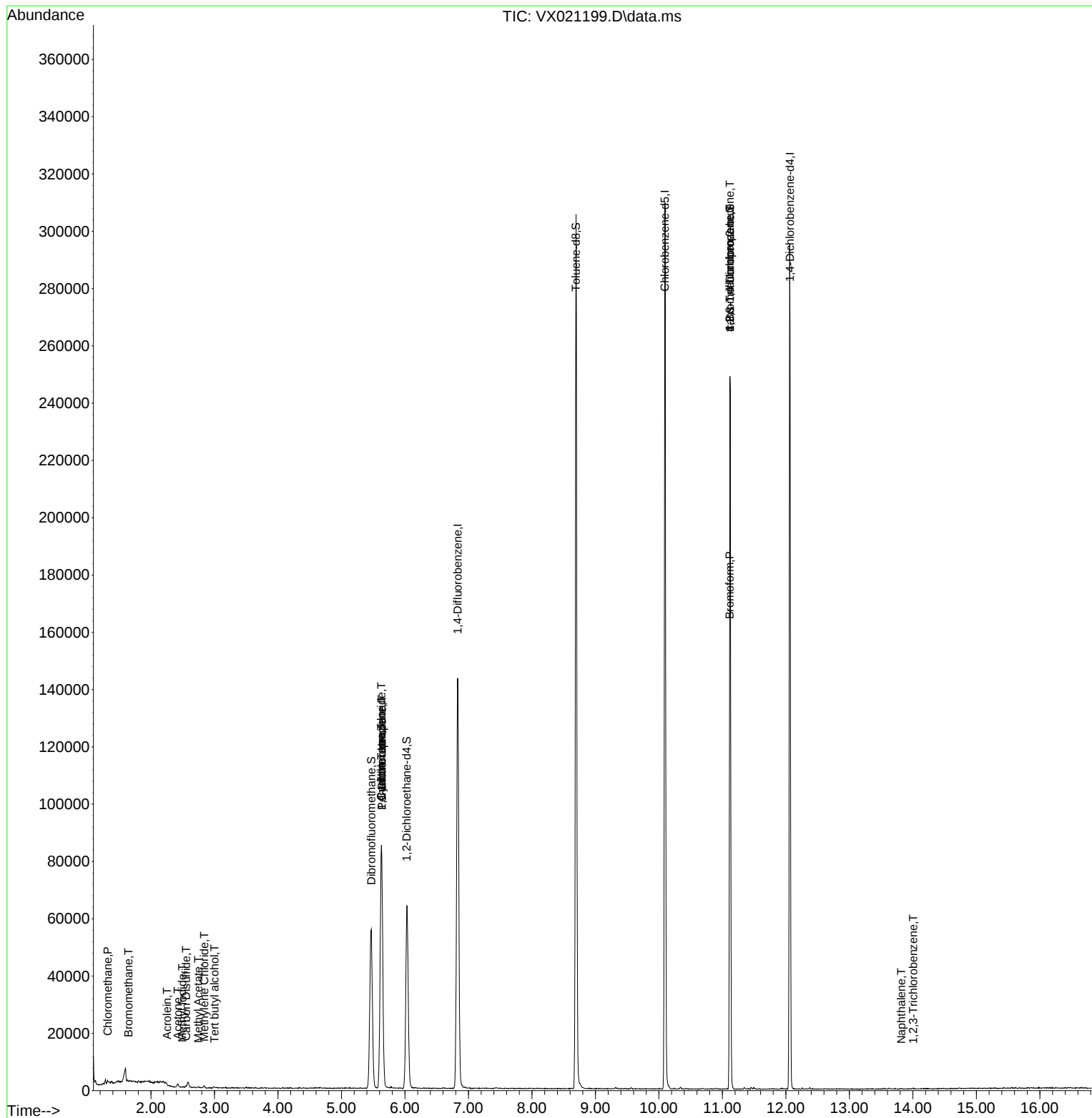
| Target Compounds              |        |     |       |       |        | Qvalue |
|-------------------------------|--------|-----|-------|-------|--------|--------|
| 3) Chloromethane              | 1.316  | 50  | 261   | 0.28  | ug/l   | 99     |
| 5) Bromomethane               | 1.646  | 94  | 369   | 0.69  | ug/l # | 70     |
| 10) Methyl Iodide             | 2.493  | 142 | 319   | 0.30  | ug/l # | 87     |
| 11) Tert butyl alcohol        | 2.999  | 59  | 162   | 0.75  | ug/l # | 73     |
| 13) Acrolein                  | 2.252  | 56  | 54    | 0.41  | ug/l # | 14     |
| 16) Acetone                   | 2.422  | 43  | 1179  | 2.36  | ug/l # | 65     |
| 17) Carbon Disulfide          | 2.552  | 76  | 517   | 0.22  | ug/l # | 75     |
| 18) Methyl Acetate            | 2.746  | 43  | 463   | 0.38  | ug/l # | 47     |
| 20) Methylene Chloride        | 2.840  | 84  | 267   | 0.28  | ug/l # | 77     |
| 31) Cyclohexane               | 5.629  | 56  | 2161  | 1.38  | ug/l # | 33     |
| 36) 1,1-Dichloropropene       | 5.635  | 75  | 6673  | 4.75  | ug/l # | 49     |
| 38) Carbon Tetrachloride      | 5.629  | 117 | 8209  | 5.32  | ug/l # | 20     |
| 71) Bromoform                 | 11.112 | 173 | 118   | 1.58  | ug/l # | 29     |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75  | 36528 | 27.39 | ug/l # | 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75  | 36528 | 77.73 | ug/l # | 12     |
| 95) Naphthalene               | 13.818 | 128 | 265   | 1.53  | ug/l # | 69     |
| 96) 1,2,3-Trichlorobenzene    | 14.006 | 180 | 48    | 0.97  | ug/l # | 75     |

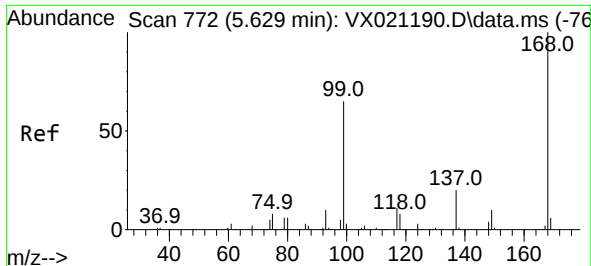
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031521\  
Data File : VX021199.D  
Acq On : 15 Mar 2021 15:11  
Operator : JC/MD  
Sample : M1583-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

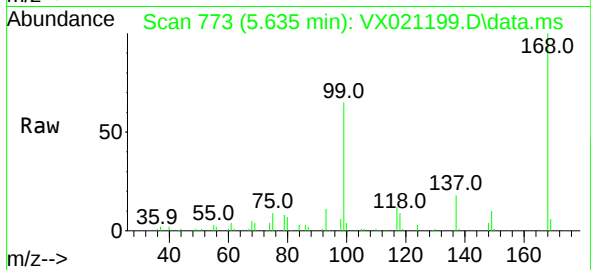
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 15 11:55:59 2021  
Response via : Initial Calibration



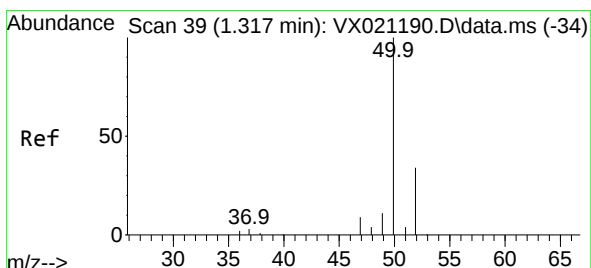
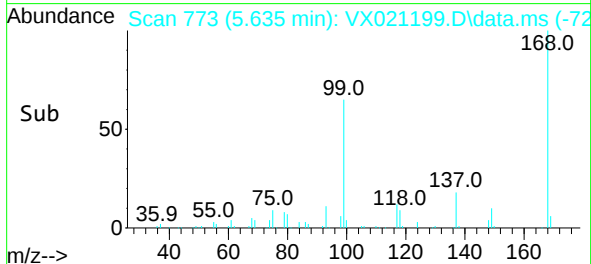
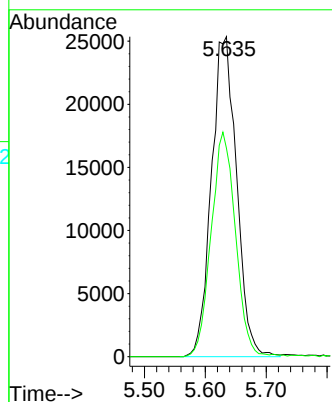


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.635 min Scan# 773  
Delta R.T. 0.012 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

Instrument :  
MSVOA\_X  
ClientSampleId :

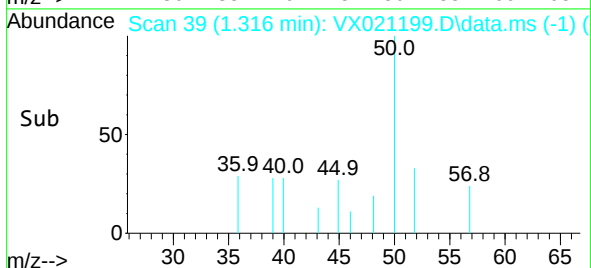
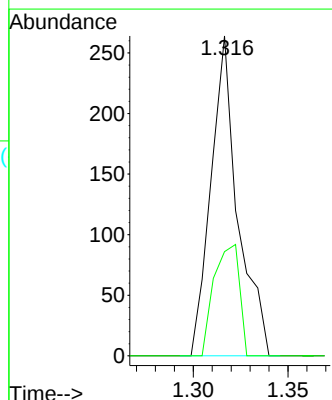
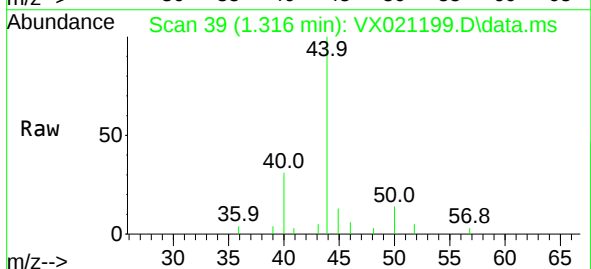


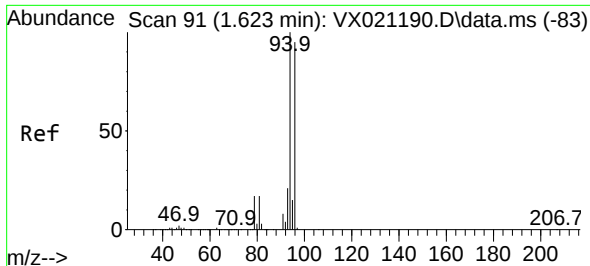
Tgt Ion:168 Resp: 72741  
Ion Ratio Lower Upper  
168 100  
99 65.1 45.8 68.6



#3  
Chloromethane  
Concen: 0.28 ug/l  
RT: 1.316 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

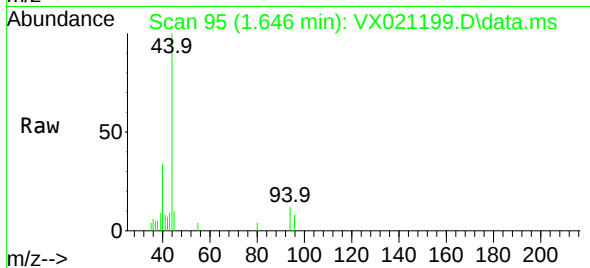
Tgt Ion: 50 Resp: 261  
Ion Ratio Lower Upper  
50 100  
52 32.6 26.4 39.6



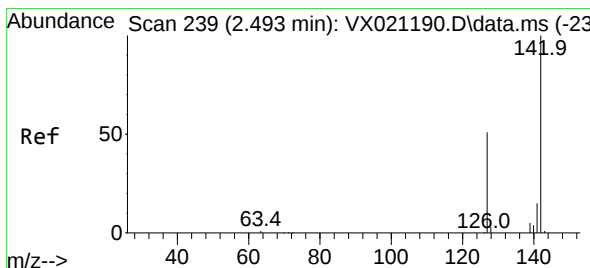
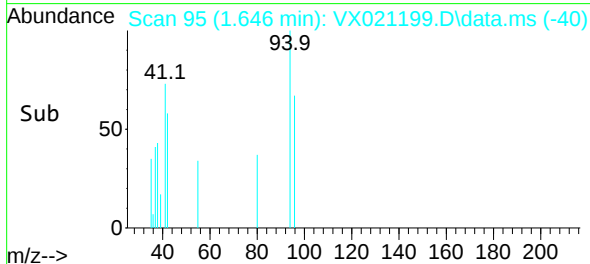
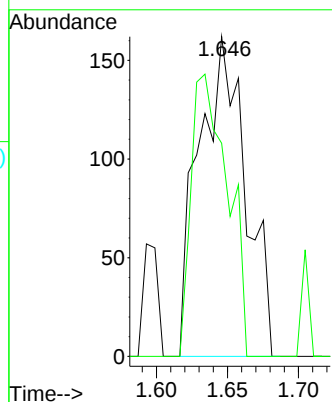


#5  
Bromomethane  
Concen: 0.69 ug/l  
RT: 1.646 min Scan# 95  
Delta R.T. 0.023 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

Instrument :  
MSVOA\_X  
ClientSampled :

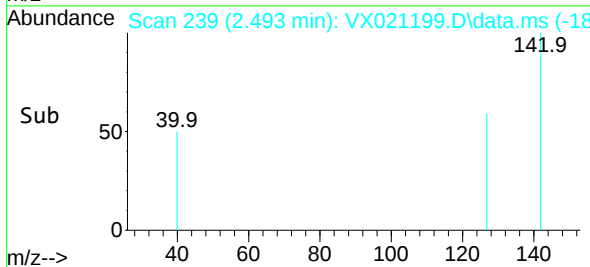
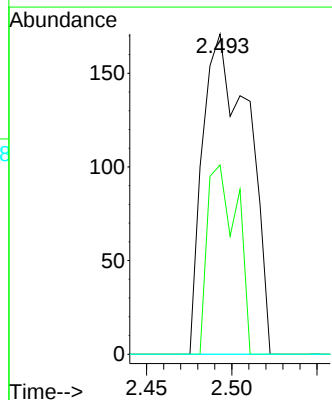
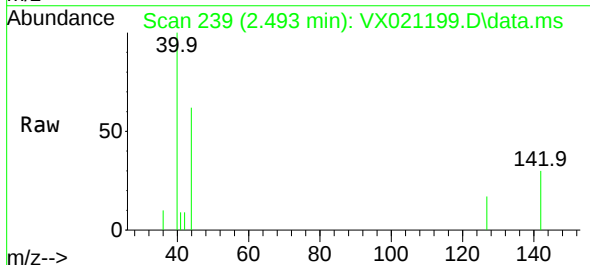


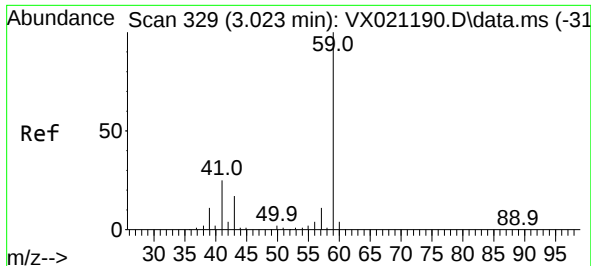
Tgt Ion: 94 Resp: 369  
Ion Ratio Lower Upper  
94 100  
96 66.7 76.4 114.6#



#10  
Methyl Iodide  
Concen: 0.30 ug/l  
RT: 2.493 min Scan# 239  
Delta R.T. 0.006 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

Tgt Ion: 142 Resp: 319  
Ion Ratio Lower Upper  
142 100  
127 38.2 33.3 49.9  
141 0.0 11.4 17.0#

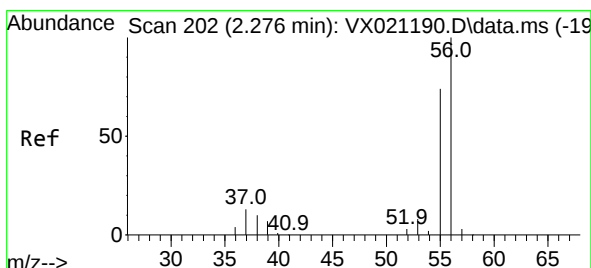
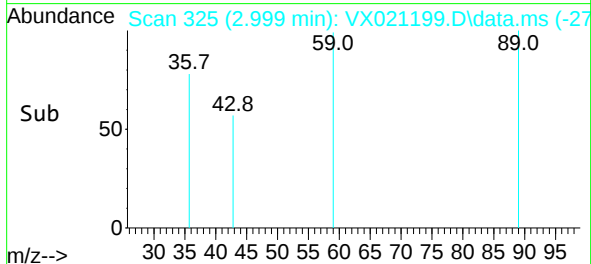
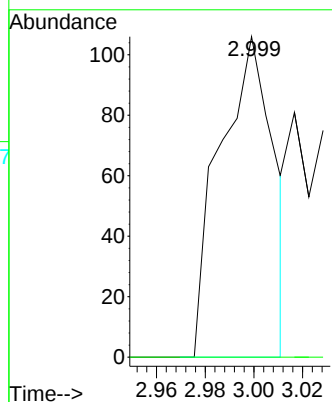
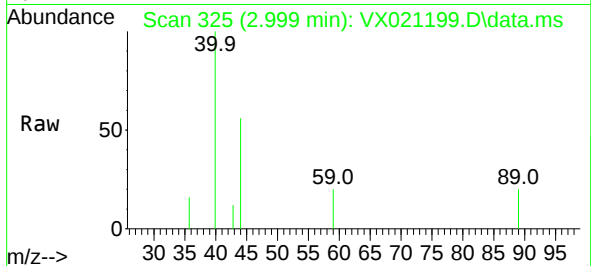




#11  
Tert butyl alcohol  
Concen: 0.75 ug/l  
RT: 2.999 min Scan# 325  
Delta R.T. -0.018 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

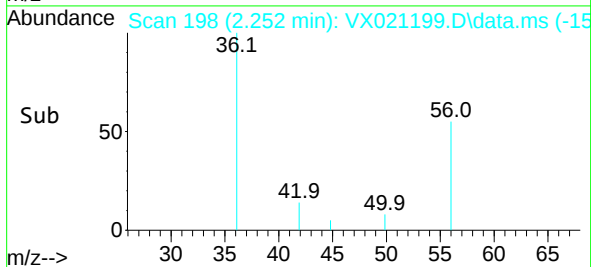
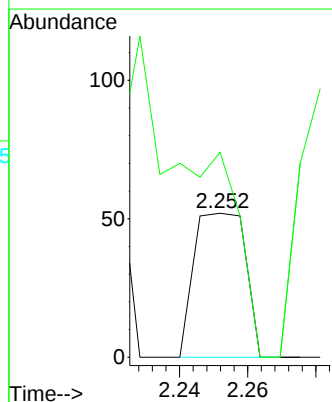
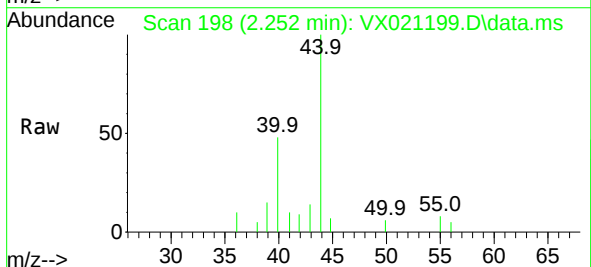
Instrument :  
MSVOA\_X  
ClientSampled :

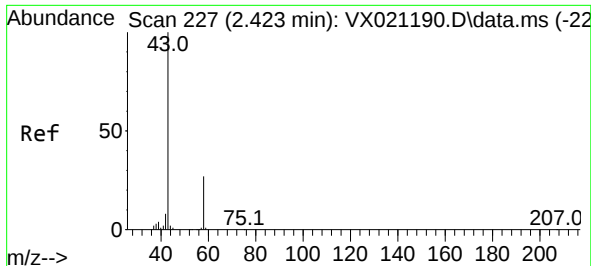
Tgt Ion: 59 Resp: 162  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#13  
Acrolein  
Concen: 0.41 ug/l  
RT: 2.252 min Scan# 198  
Delta R.T. -0.024 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

Tgt Ion: 56 Resp: 54  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#

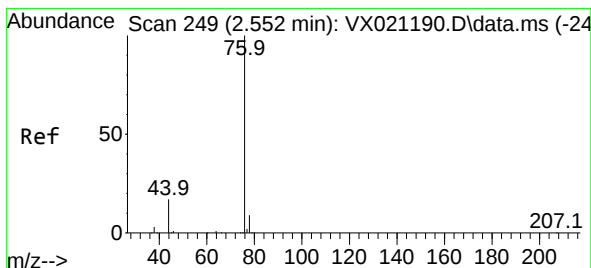
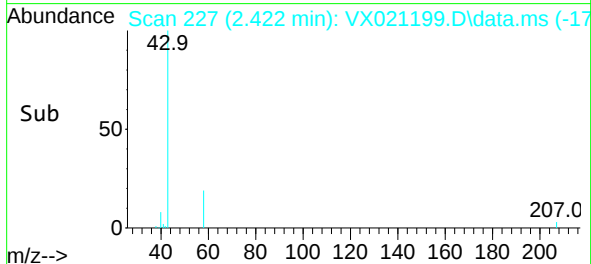
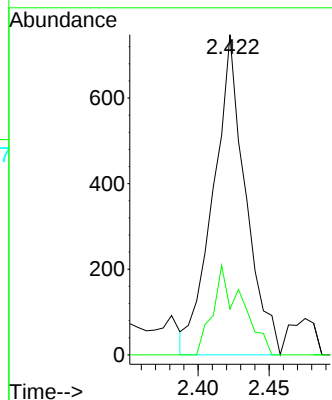
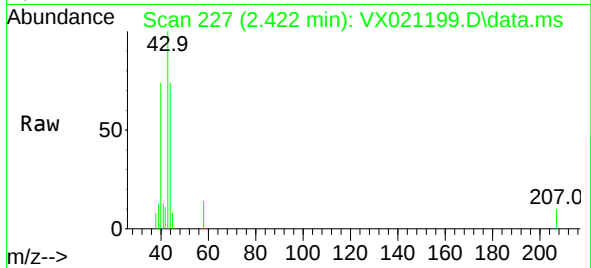




#16  
Acetone  
Concen: 2.36 ug/l  
RT: 2.422 min Scan# 227  
Delta R.T. -0.000 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

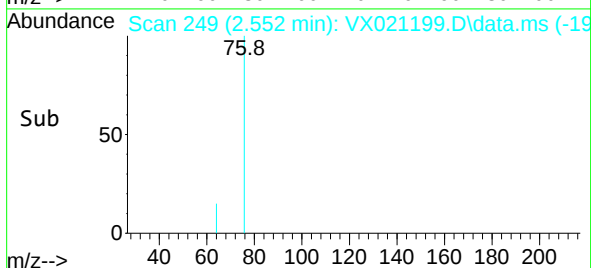
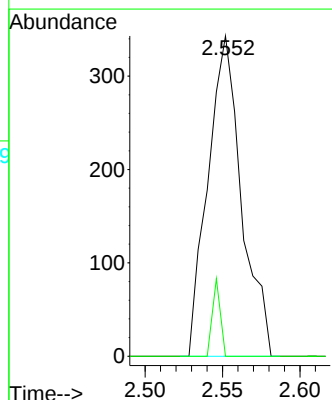
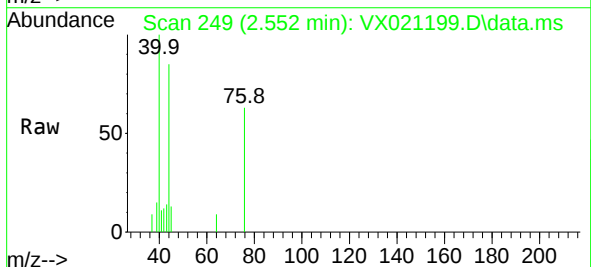
Instrument :  
MSVOA\_X  
ClientSampled :

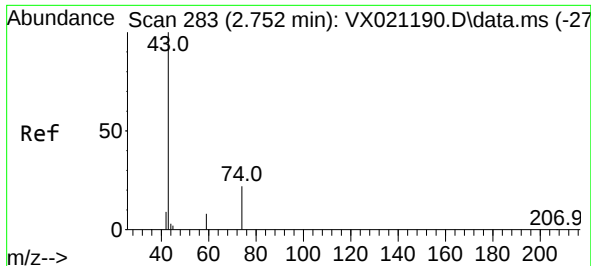
Tgt Ion: 43 Resp: 1179  
Ion Ratio Lower Upper  
43 100  
58 14.3 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 0.22 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. 0.006 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

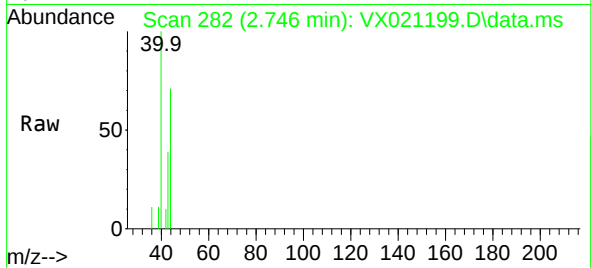
Tgt Ion: 76 Resp: 517  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



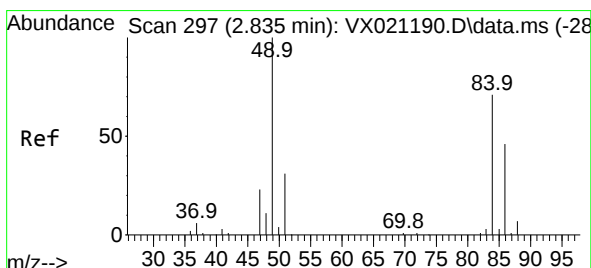
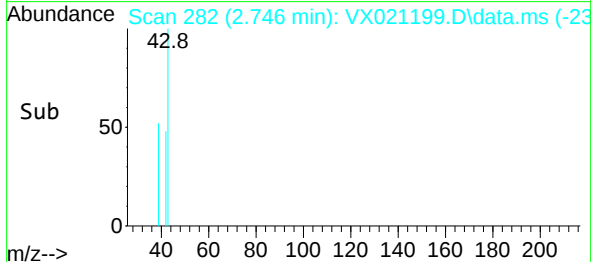
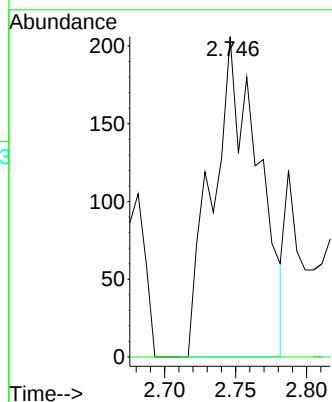


#18  
Methyl Acetate  
Concen: 0.38 ug/l  
RT: 2.746 min Scan# 282  
Delta R.T. -0.006 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

Instrument :  
MSVOA\_X  
ClientSampleId :

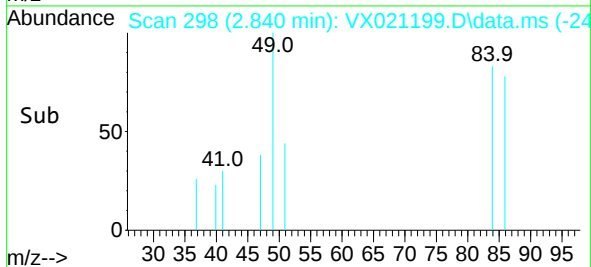
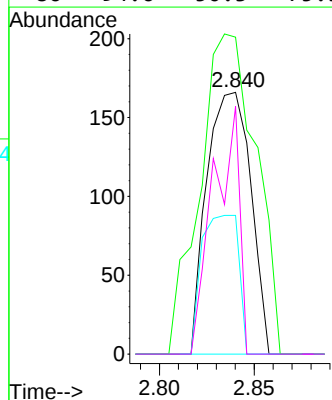
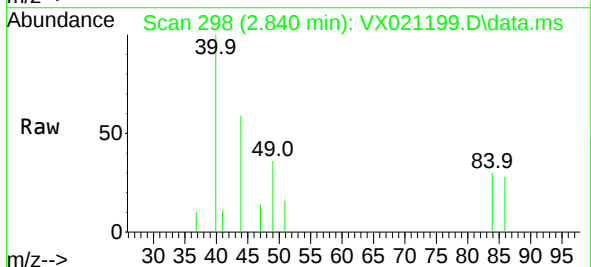


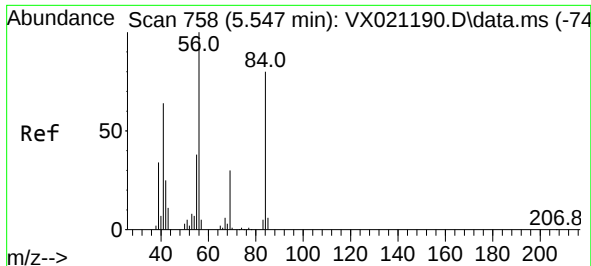
Tgt Ion: 43 Resp: 463  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.9 32.9#



#20  
Methylene Chloride  
Concen: 0.28 ug/l  
RT: 2.840 min Scan# 298  
Delta R.T. 0.006 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

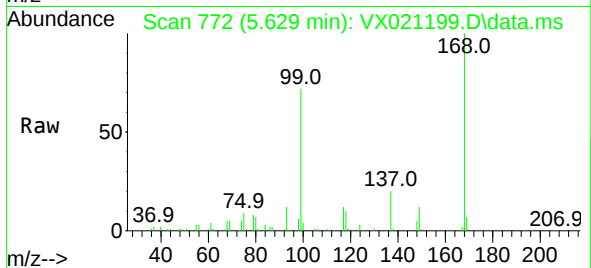
Tgt Ion: 84 Resp: 267  
Ion Ratio Lower Upper  
84 100  
49 121.1 88.6 132.8  
51 53.0 27.0 40.6#  
86 94.6 50.3 75.5#



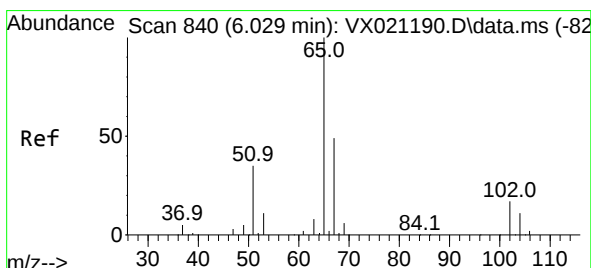
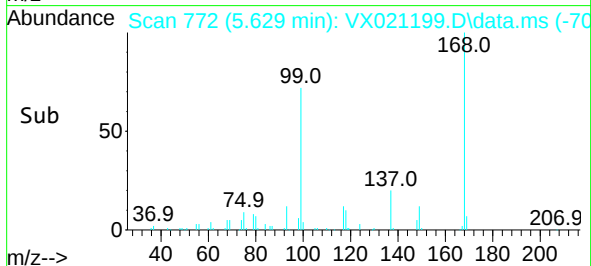
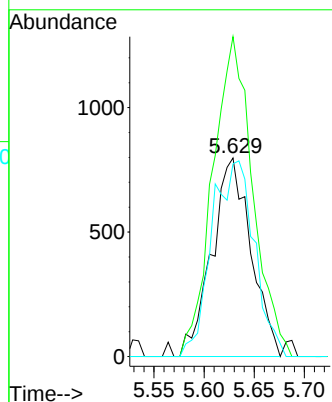


#31  
Cyclohexane  
Concen: 1.38 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. 0.082 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

Instrument :  
MSVOA\_X  
ClientSampled :

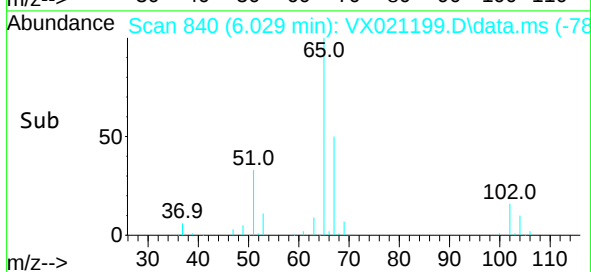
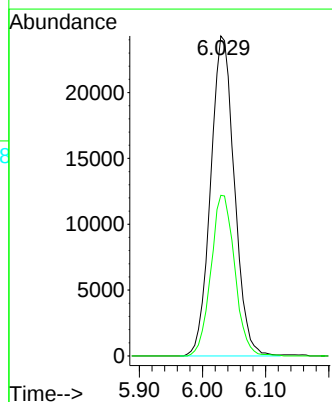
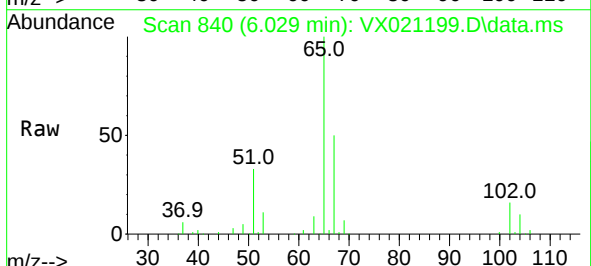


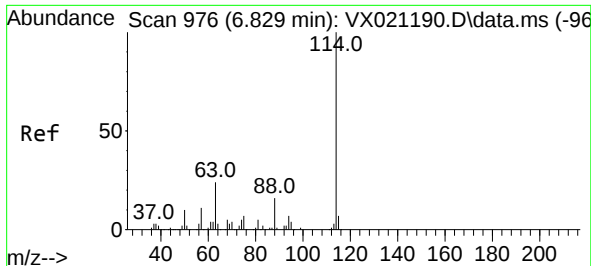
Tgt Ion: 56 Resp: 2161  
Ion Ratio Lower Upper  
56 100  
69 161.0 25.3 37.9#  
84 97.0 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 51.18 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. -0.000 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

Tgt Ion: 65 Resp: 63480  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 105.4

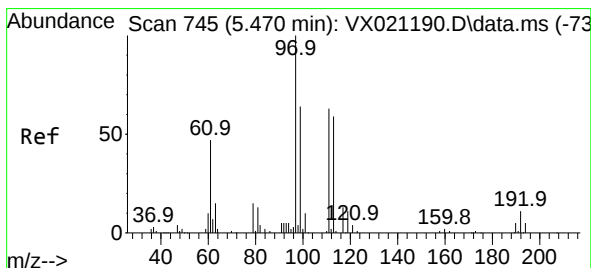
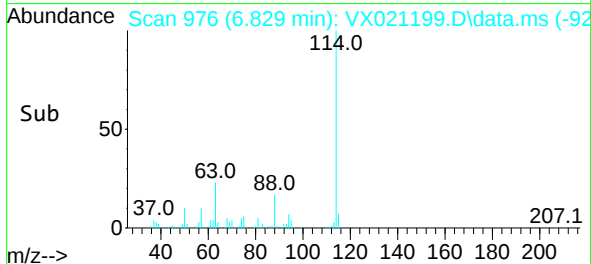
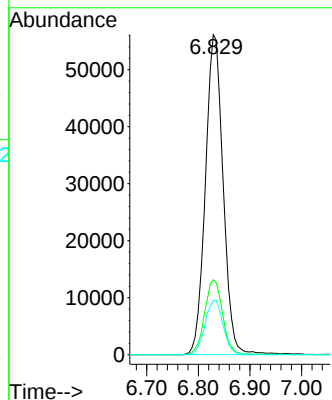
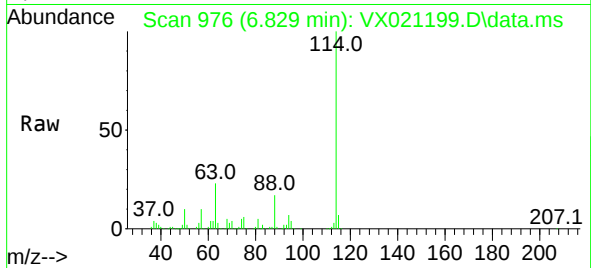




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

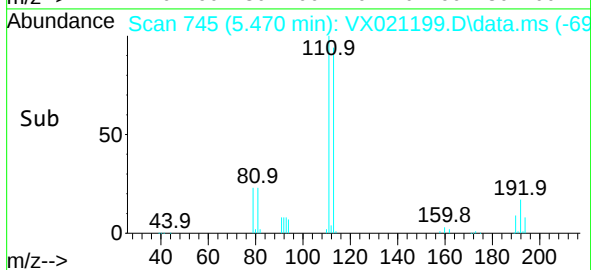
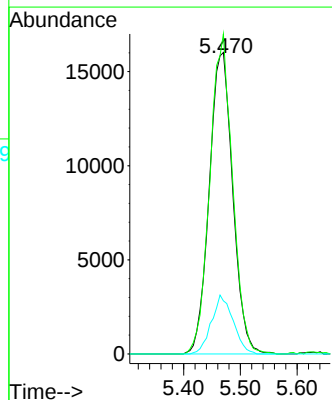
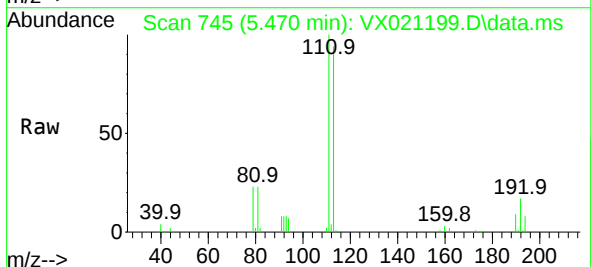
Instrument :  
MSVOA\_X  
ClientSampled :

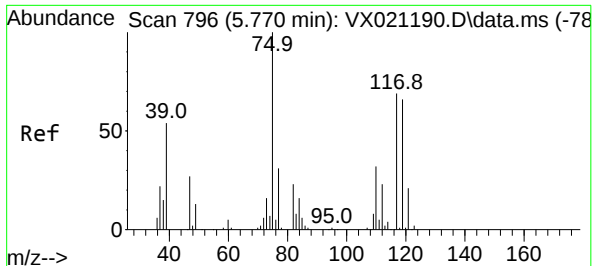
Tgt Ion:114 Resp: 134030  
Ion Ratio Lower Upper  
114 100  
63 23.4 0.0 40.8  
88 16.9 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 49.91 ug/l  
RT: 5.470 min Scan# 745  
Delta R.T. 0.006 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

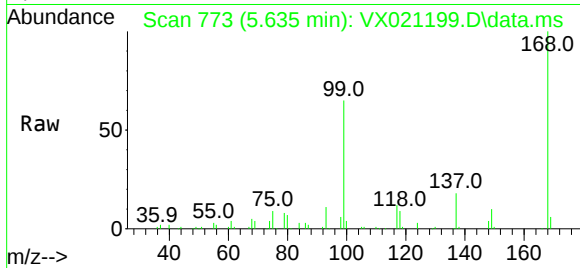
Tgt Ion:113 Resp: 46028  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.9 122.9  
192 18.0 16.7 25.1



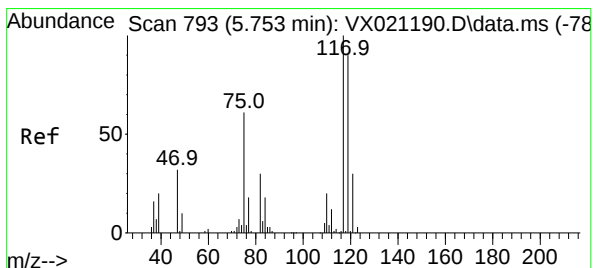
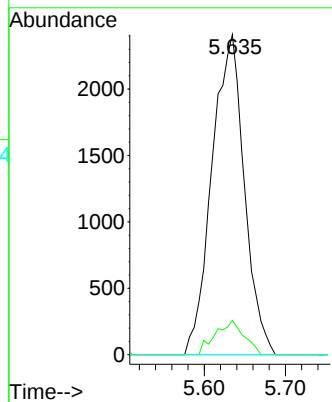
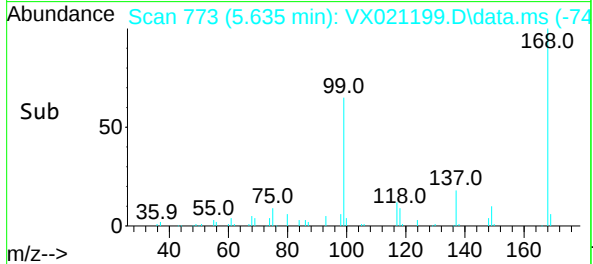


#36  
1,1-Dichloropropene  
Concen: 4.75 ug/l  
RT: 5.635 min Scan# 773  
Delta R.T. -0.136 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

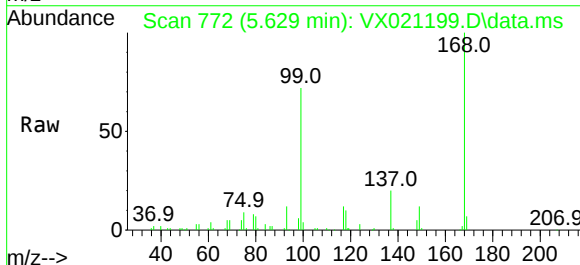
Instrument :  
MSVOA\_X  
ClientSampled :



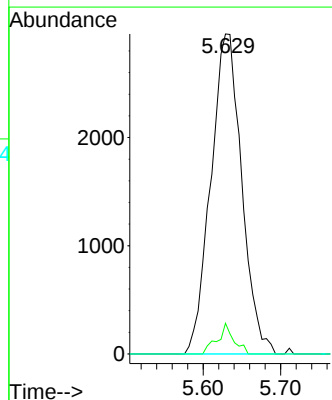
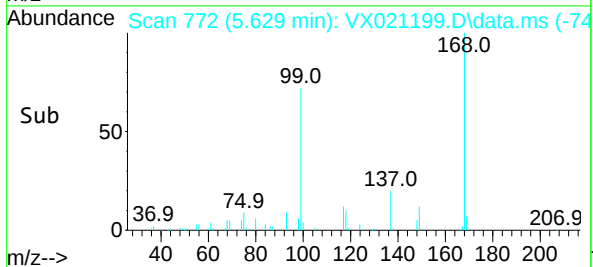
Tgt Ion: 75 Resp: 6673  
Ion Ratio Lower Upper  
75 100  
110 9.5 18.1 54.4#  
77 0.0 25.3 37.9#

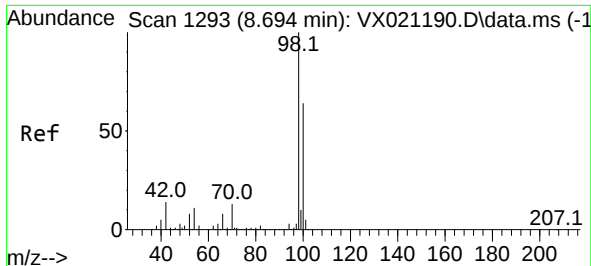


#38  
Carbon Tetrachloride  
Concen: 5.32 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.124 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11



Tgt Ion: 117 Resp: 8209  
Ion Ratio Lower Upper  
117 100  
119 9.6 76.2 114.2#  
121 0.0 24.8 37.2#

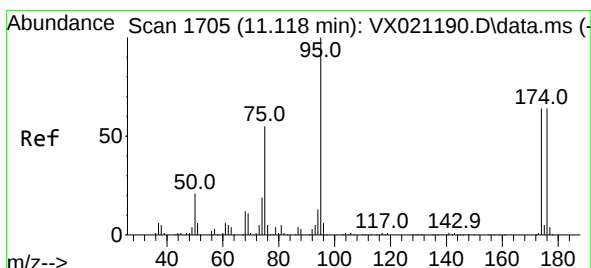
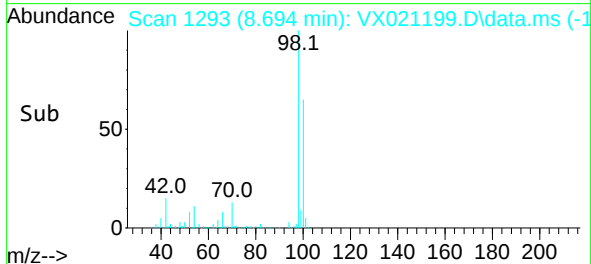
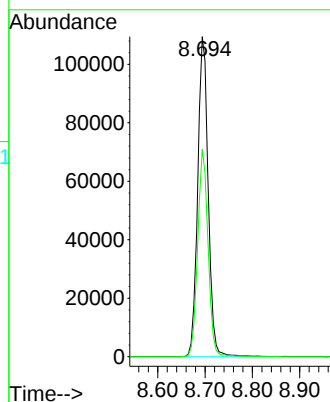
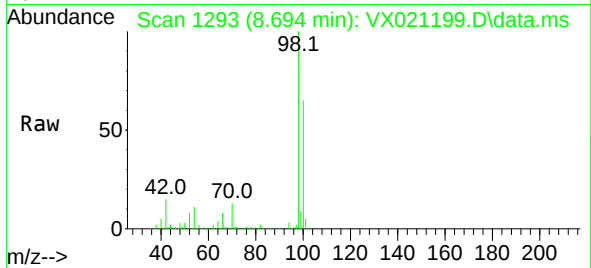




#50  
Toluene-d8  
Concen: 50.88 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

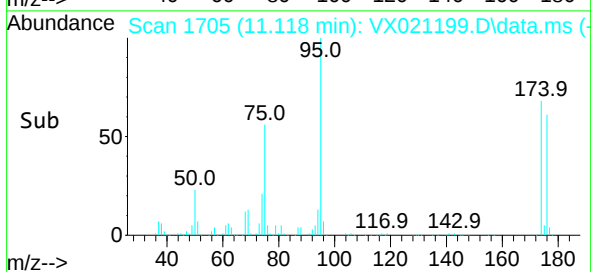
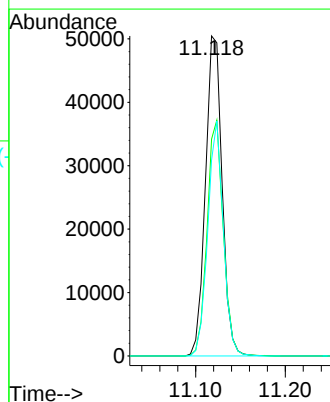
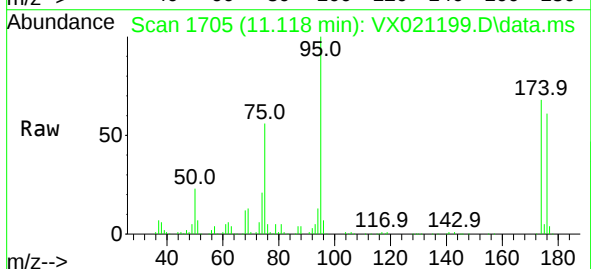
Instrument :  
MSVOA\_X  
ClientSampled :

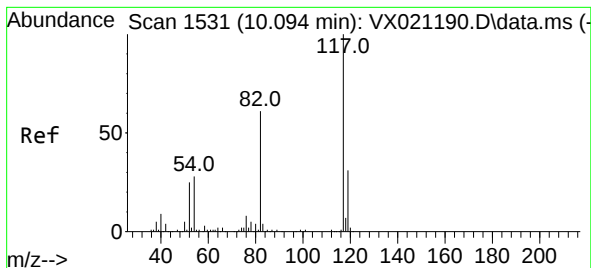
Tgt Ion: 98 Resp: 168532  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 51.68 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

Tgt Ion: 95 Resp: 65237  
Ion Ratio Lower Upper  
95 100  
174 71.4 0.0 154.6  
176 68.3 0.0 155.8

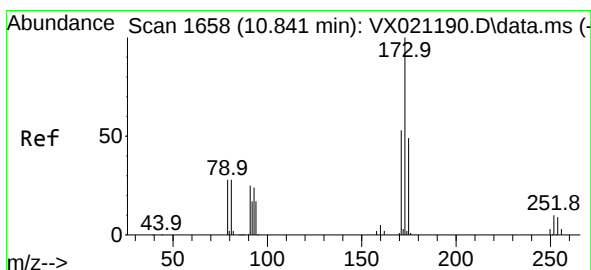
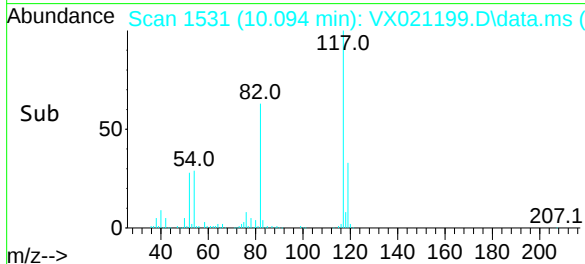
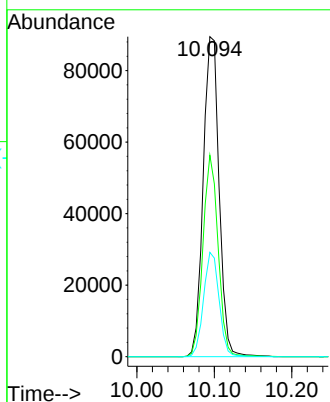
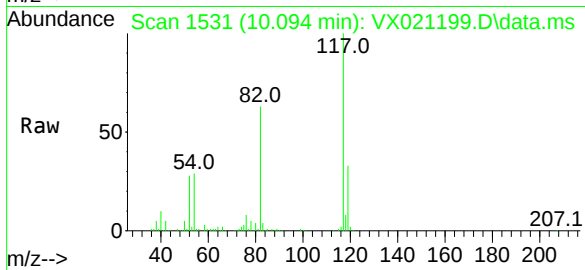




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

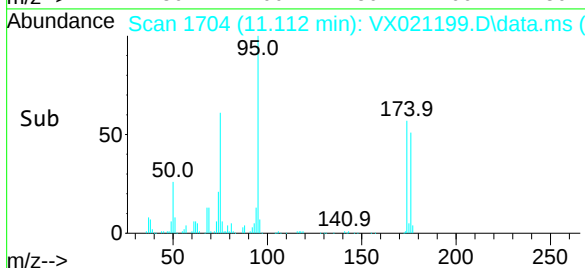
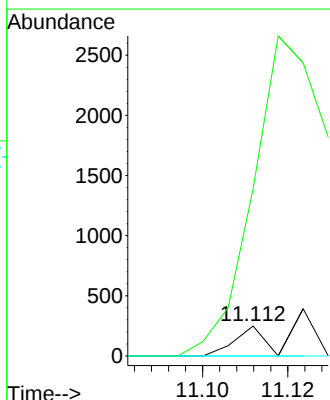
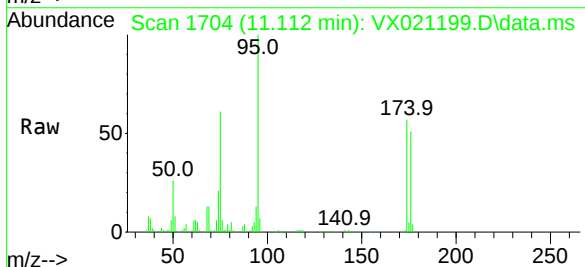
Instrument :  
MSVOA\_X  
ClientSampleId :

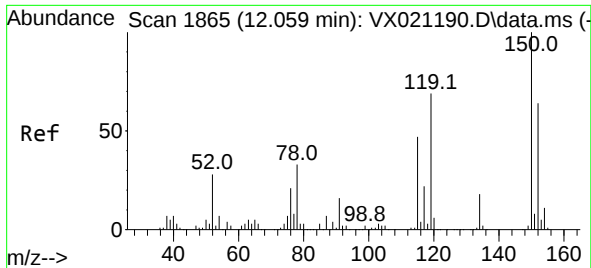
Tgt Ion:117 Resp: 127645  
Ion Ratio Lower Upper  
117 100  
82 63.0 47.4 71.2  
119 32.6 26.6 39.8



#71  
Bromoform  
Concen: 1.58 ug/l  
RT: 11.112 min Scan# 1704  
Delta R.T. 0.271 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

Tgt Ion:173 Resp: 118  
Ion Ratio Lower Upper  
173 100  
175 0.0 23.9 71.8#  
254 0.0 0.1 0.1#

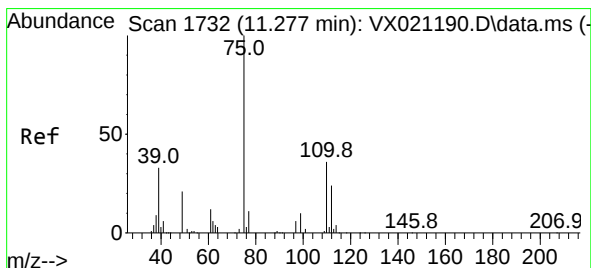
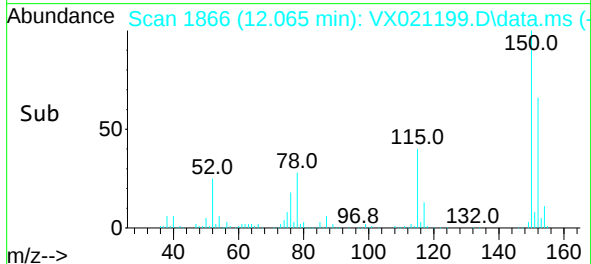
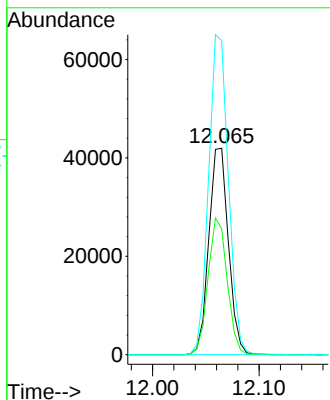
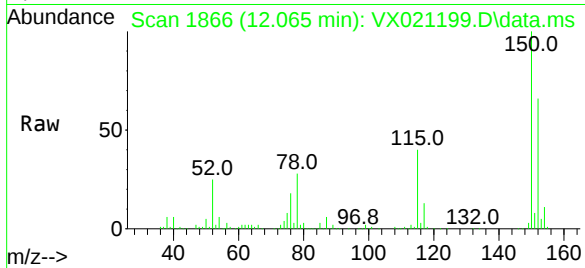




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.065 min Scan# 1866  
Delta R.T. -0.000 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

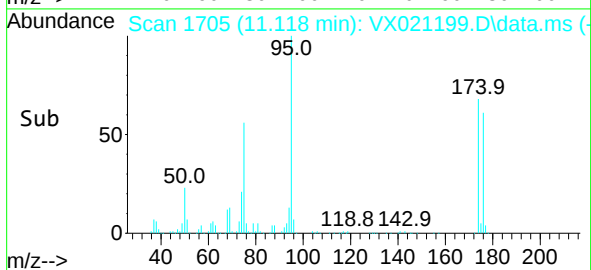
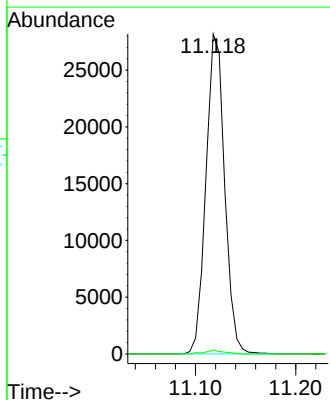
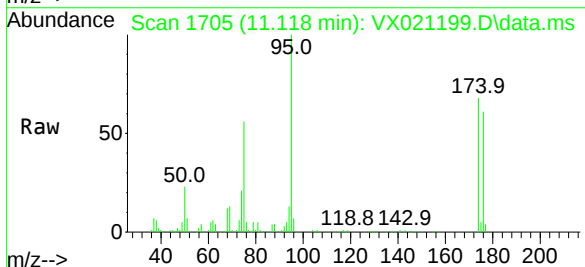
Instrument :  
MSVOA\_X  
ClientSampled :

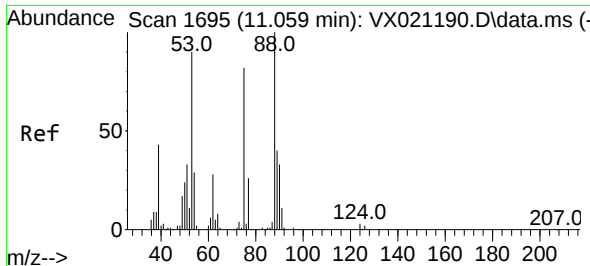
Tgt Ion:152 Resp: 53789  
Ion Ratio Lower Upper  
152 100  
115 64.6 41.1 123.3  
150 156.1 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 27.39 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

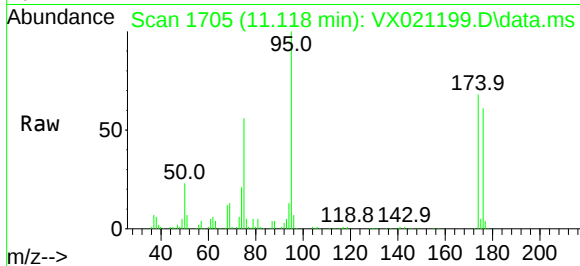
Tgt Ion: 75 Resp: 36528  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



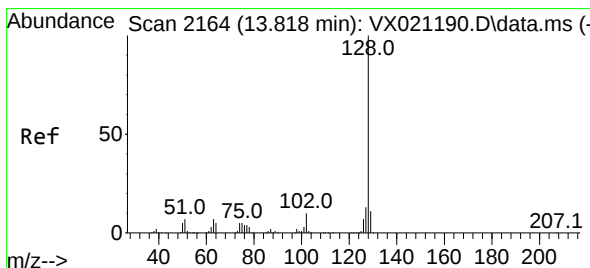
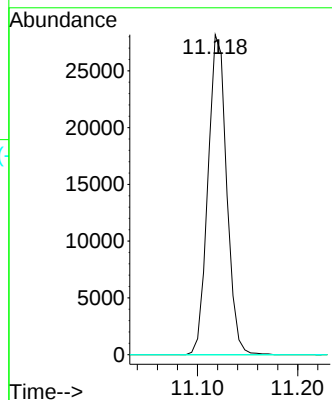
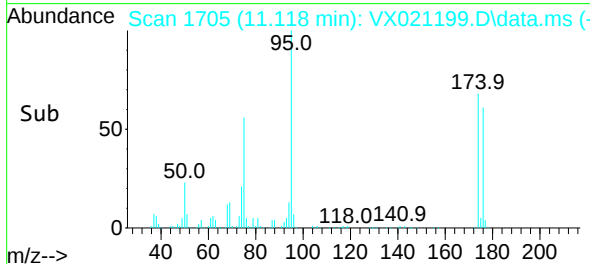


#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.73 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11

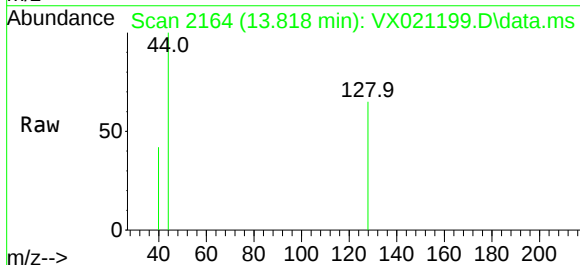
Instrument :  
MSVOA\_X  
ClientSampleId :



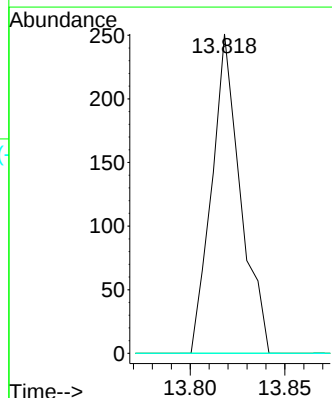
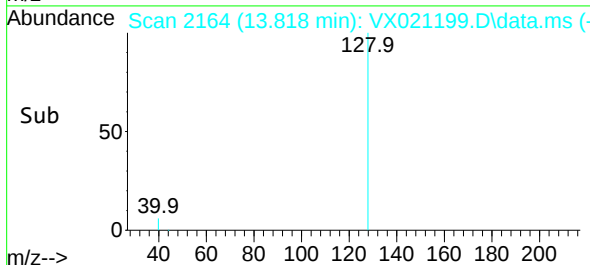
Tgt Ion: 75 Resp: 36528  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

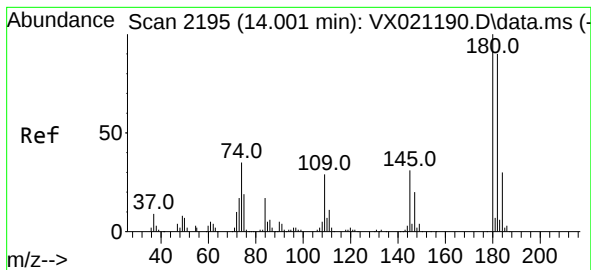


#95  
Naphthalene  
Concen: 1.53 ug/l  
RT: 13.818 min Scan# 2164  
Delta R.T. 0.000 min  
Lab File: VX021199.D  
Acq: 15 Mar 2021 15:11



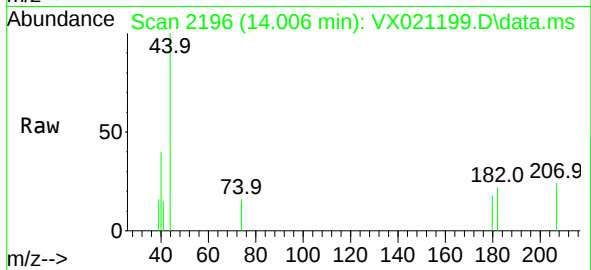
Tgt Ion: 128 Resp: 265  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.97 ug/l  
 RT: 14.006 min Scan# 2196  
 Delta R.T. 0.005 min  
 Lab File: VX021199.D  
 Acq: 15 Mar 2021 15:11

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion:180 Resp: 48  
 Ion Ratio Lower Upper  
 180 100  
 182 108.3 47.6 142.9  
 145 0.0 16.1 48.3#

