

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122120\  
 Data File : VX020251.D  
 Acq On : 21 Dec 2020 15:39  
 Operator : JC/MD  
 Sample : L5145-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 49-MW009(DOB)-121520

Quant Time: Dec 22 01:34:00 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

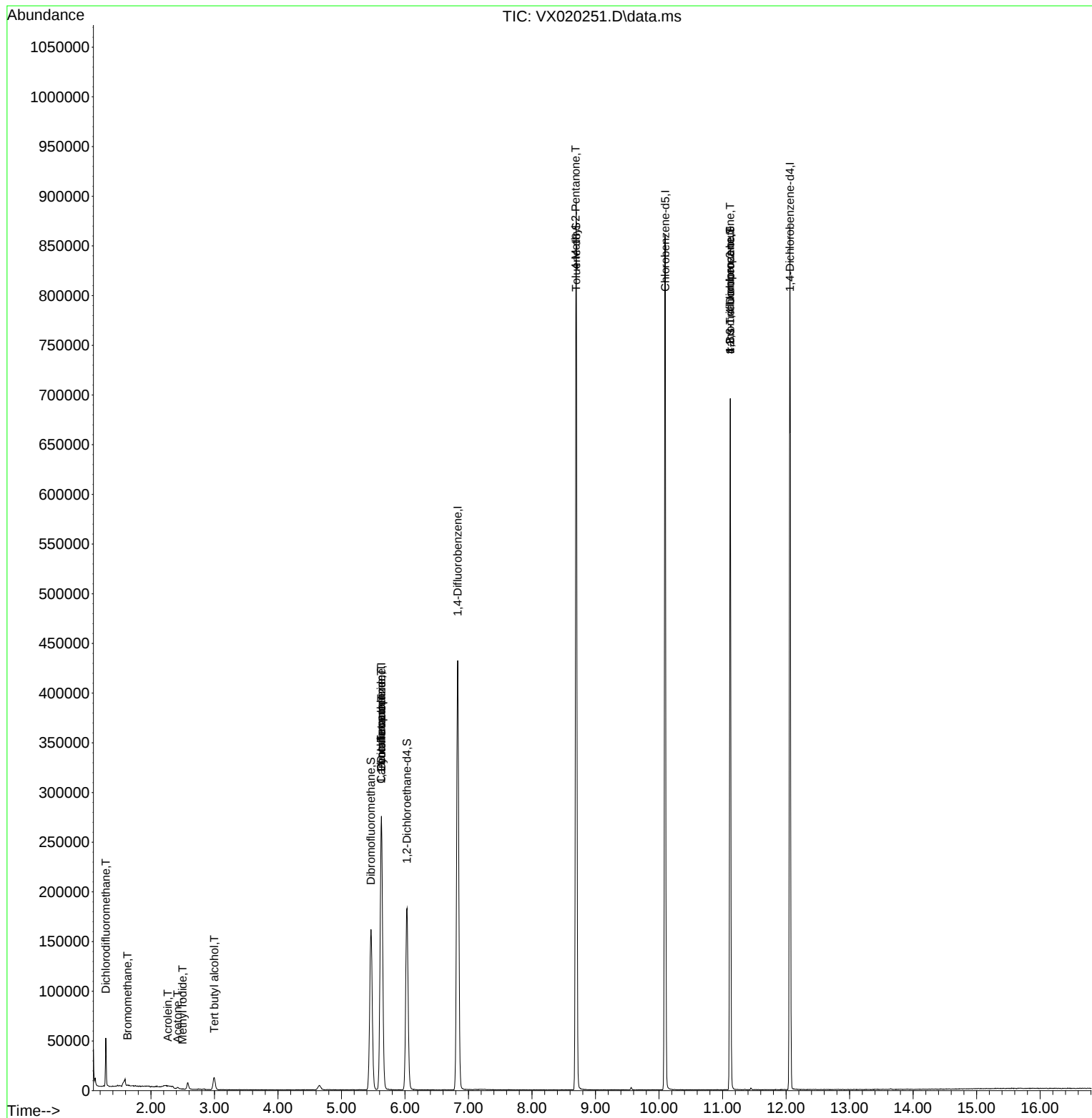
| Compound                      | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                         |                |      |                    |       |        |          |
| Internal Standards            |                |      |                    |       |        |          |
| 1) Pentafluorobenzene         | 5.629          | 168  | 259557             | 50.00 | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.830          | 114  | 438199             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.098         | 117  | 409987             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.061         | 152  | 175502             | 50.00 | ug/l   | 0.00     |
|                               |                |      |                    |       |        |          |
| System Monitoring Compounds   |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.031          | 65   | 176001             | 50.59 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 101.18% |       |        |          |
| 35) Dibromofluoromethane      | 5.464          | 113  | 140570             | 50.15 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 100.30% |       |        |          |
| 50) Toluene-d8                | 8.695          | 98   | 530246             | 49.14 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 98.28%  |       |        |          |
| 62) 4-Bromofluorobenzene      | 11.122         | 95   | 186474             | 45.15 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 90.30%  |       |        |          |
|                               |                |      |                    |       |        |          |
| Target Compounds              |                |      |                    |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.288          | 85   | 3444               | 1.22  | ug/l   | 98       |
| 5) Bromomethane               | 1.630          | 94   | 640                | 0.56  | ug/l   | 93       |
| 10) Methyl Iodide             | 2.495          | 142  | 133                | 3.32  | ug/l # | 42       |
| 11) Tert butyl alcohol        | 2.995          | 59   | 8702               | 11.17 | ug/l # | 81       |
| 13) Acrolein                  | 2.264          | 56   | 131                | 0.27  | ug/l   | 84       |
| 16) Acetone                   | 2.416          | 43   | 1907               | 1.20  | ug/l   | 97       |
| 31) Cyclohexane               | 5.629          | 56   | 5173               | 1.08  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.623          | 75   | 20317              | 4.69  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.623          | 117  | 26374              | 6.40  | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.689          | 43   | 2220               | 0.50  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.122         | 75   | 90984              | 21.05 | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.122         | 75   | 90984              | 62.44 | ug/l # | 12       |
| -----                         |                |      |                    |       |        |          |

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

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Sample : L5145-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
49-MW009(DOB)-121520

Quant Time: Dec 22 01:34:00 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

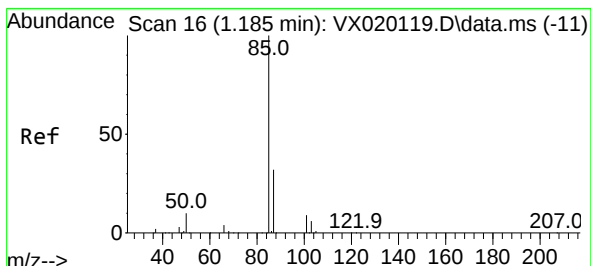
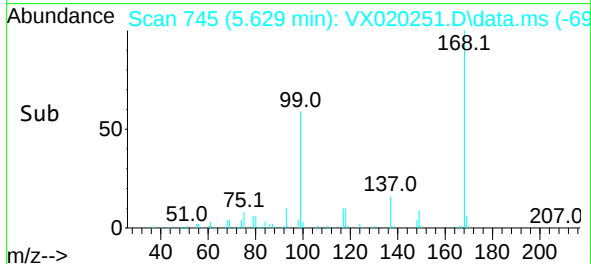
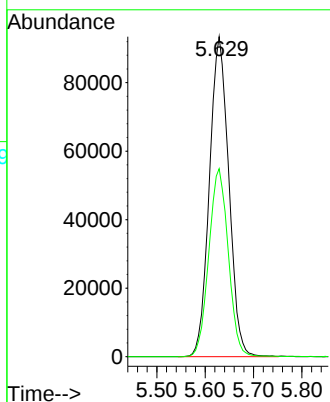
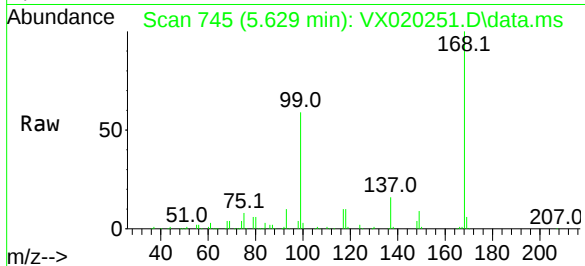




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.012 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

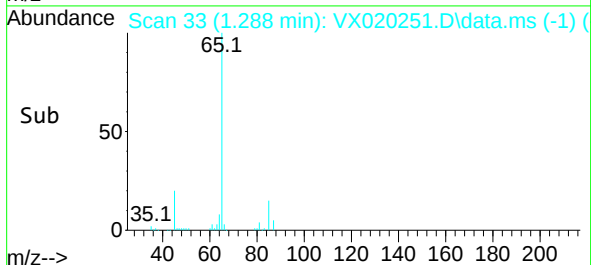
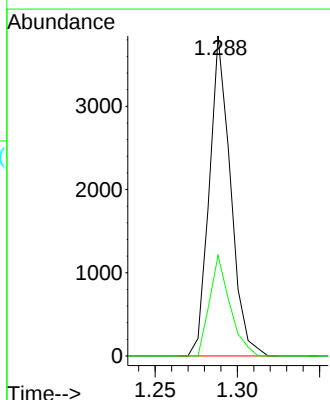
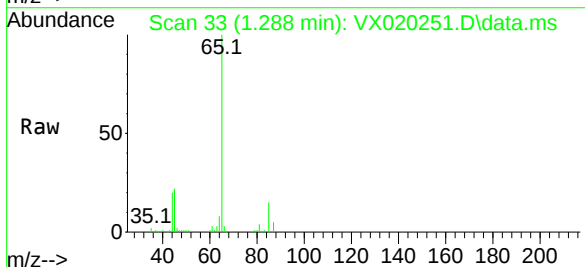
Instrument :  
MSVOA\_X  
ClientSampleId :  
49-MW009(DOB)-121520

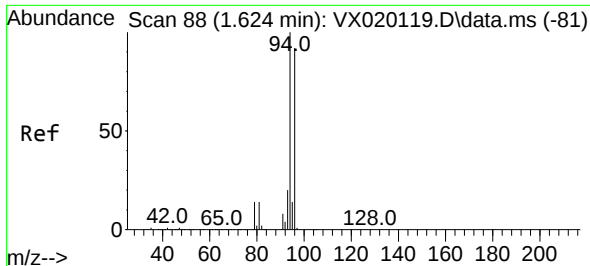
Tgt Ion:168 Resp: 259557  
Ion Ratio Lower Upper  
168 100  
99 58.8 45.8 68.6



#2  
Dichlorodifluoromethane  
Concen: 1.22 ug/l  
RT: 1.288 min Scan# 33  
Delta R.T. 0.103 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

Tgt Ion: 85 Resp: 3444  
Ion Ratio Lower Upper  
85 100  
87 31.4 16.4 49.2

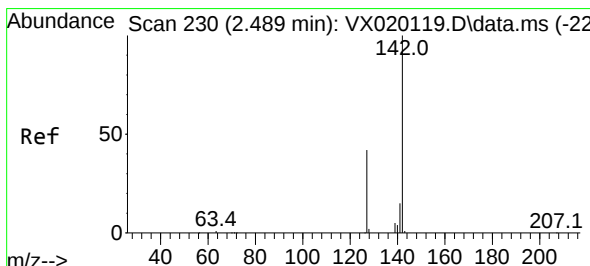
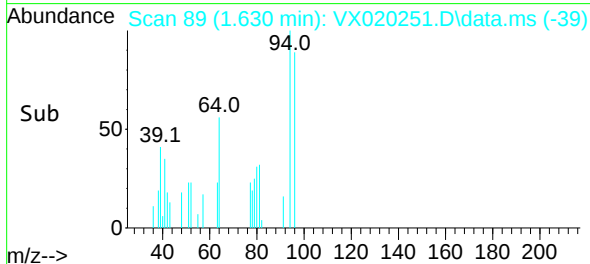
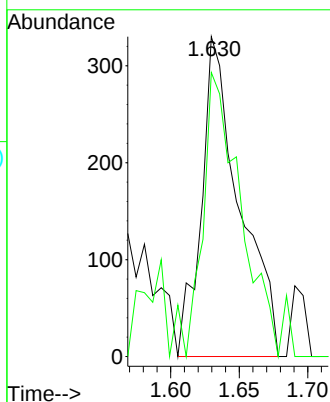
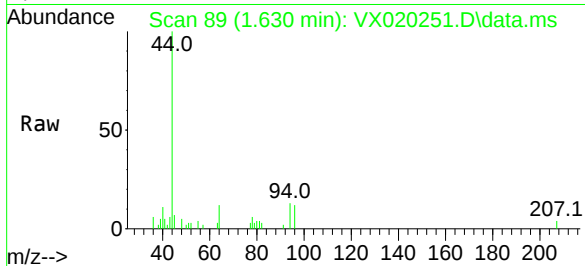




#5  
Bromomethane  
Concen: 0.56 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. 0.006 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

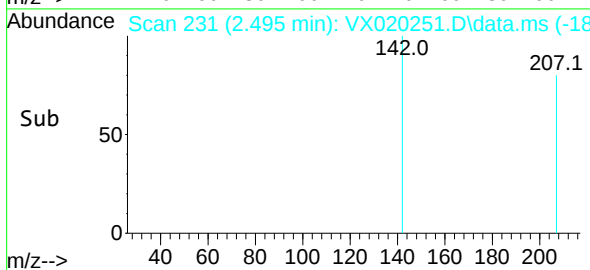
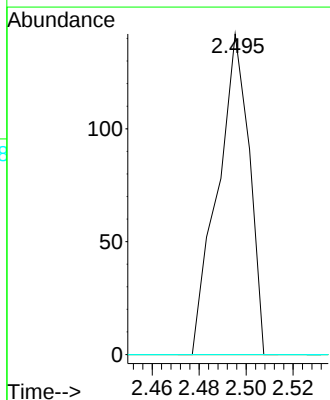
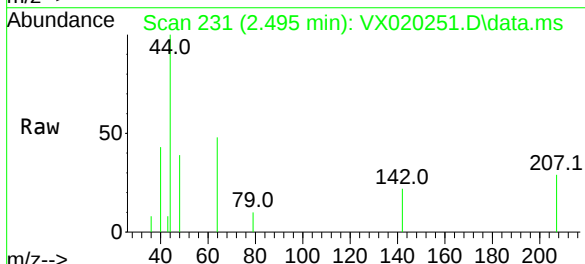
Instrument :  
MSVOA\_X  
ClientSampleId :  
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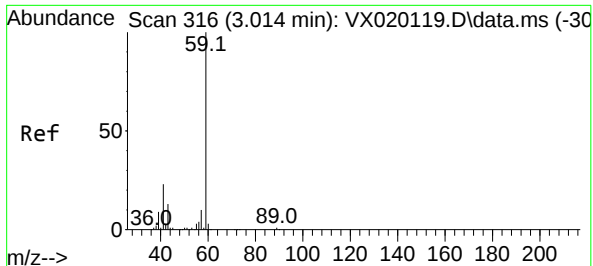
Tgt Ion: 94 Resp: 640  
Ion Ratio Lower Upper  
94 100  
96 88.8 76.4 114.6



#10  
Methyl Iodide  
Concen: 3.32 ug/l  
RT: 2.495 min Scan# 231  
Delta R.T. 0.006 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

Tgt Ion: 142 Resp: 133  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.3 49.9#  
141 0.0 11.4 17.0#

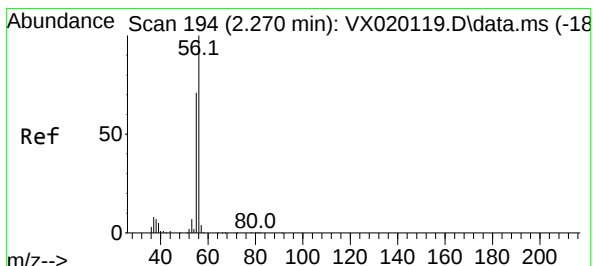
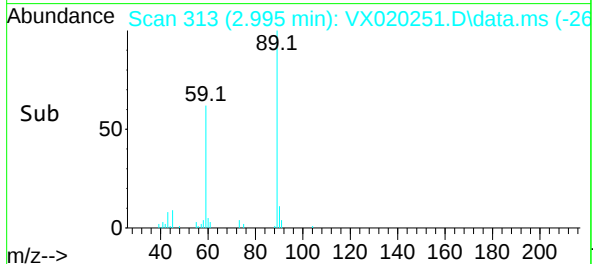
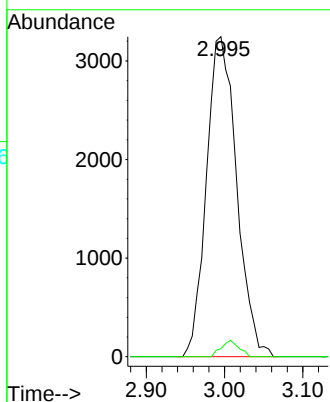
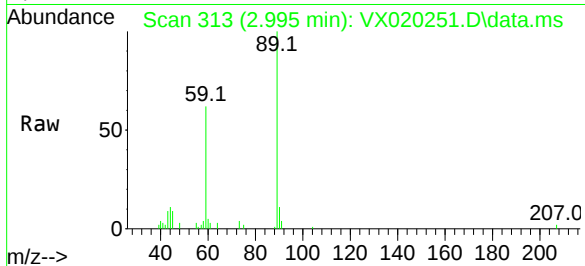




#11  
Tert butyl alcohol  
Concen: 11.17 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.019 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

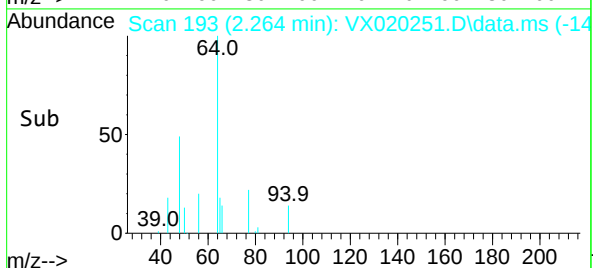
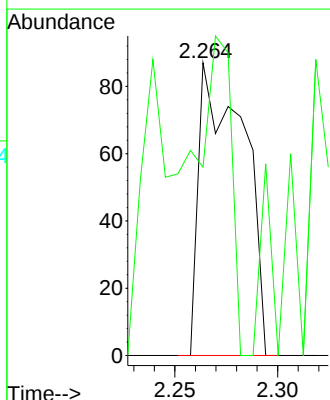
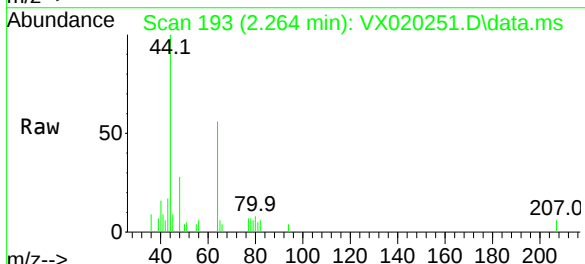
Instrument :  
MSVOA\_X  
ClientSampleId :  
49-MW009(DOB)-121520

Tgt Ion: 59 Resp: 8702  
Ion Ratio Lower Upper  
59 100  
57 3.0 7.8 11.8#



#13  
Acrolein  
Concen: 0.27 ug/l  
RT: 2.264 min Scan# 193  
Delta R.T. -0.006 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

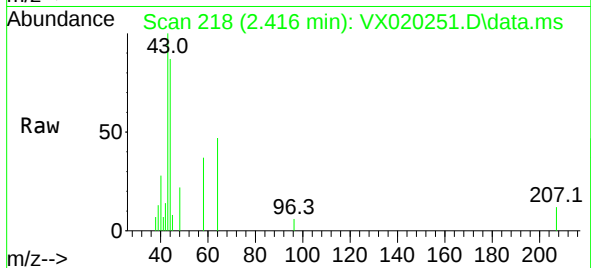
Tgt Ion: 56 Resp: 131  
Ion Ratio Lower Upper  
56 100  
55 84.0 56.4 84.6



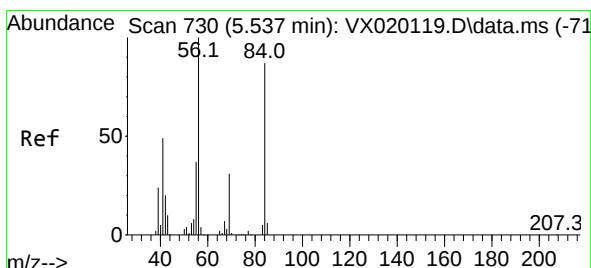
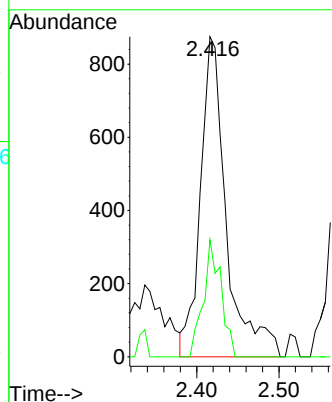
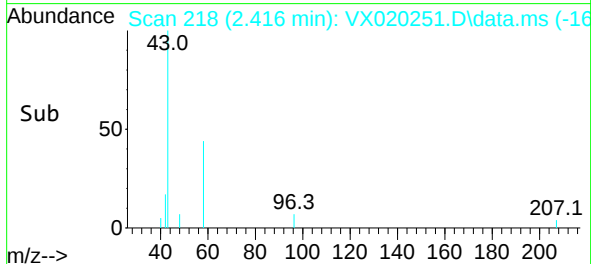


#16  
Acetone  
Concen: 1.20 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

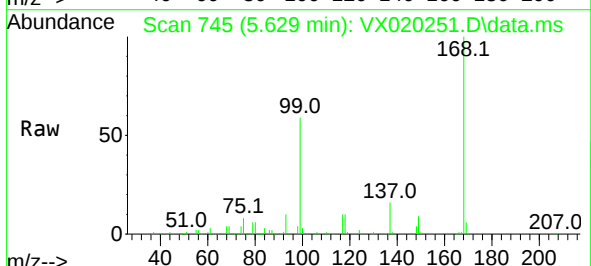
Instrument :  
MSVOA\_X  
ClientSampleId :  
49-MW009(DOB)-121520



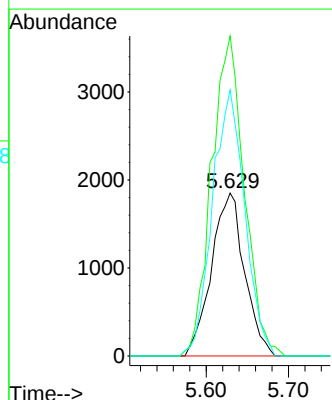
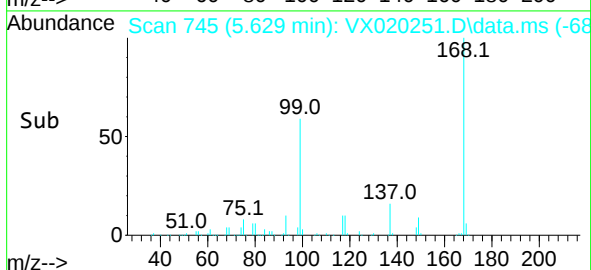
Tgt Ion: 43 Resp: 1907  
Ion Ratio Lower Upper  
43 100  
58 36.6 27.8 41.8

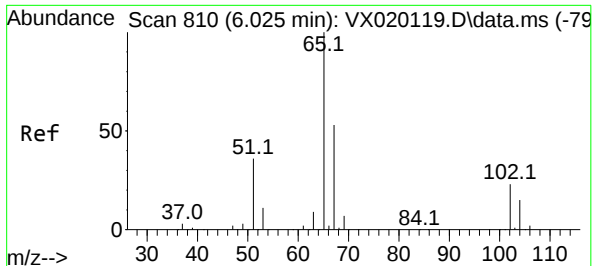


#31  
Cyclohexane  
Concen: 1.08 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.092 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39



Tgt Ion: 56 Resp: 5173  
Ion Ratio Lower Upper  
56 100  
69 196.4 25.3 37.9#  
84 163.3 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.59 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

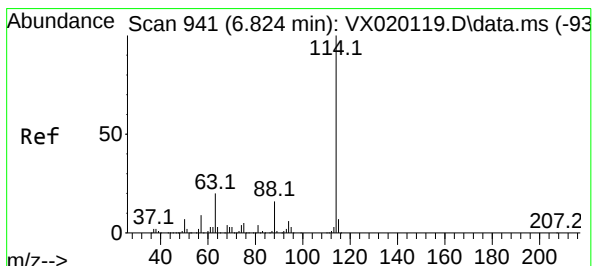
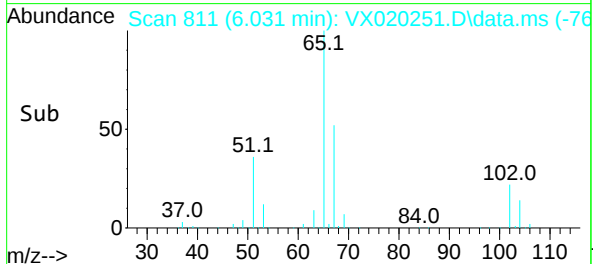
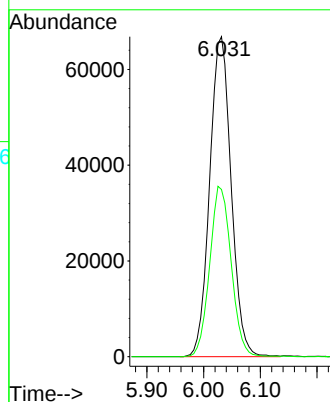
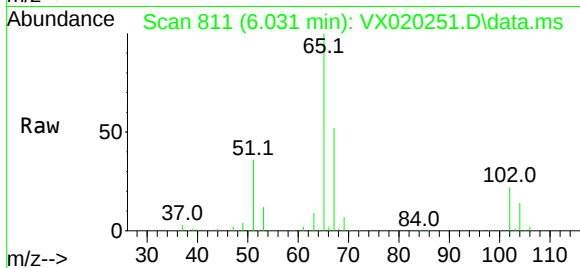
Lab File: VX020251.D

Acq: 21 Dec 2020 15:39

Tgt Ion: 65 Resp: 176001

Ion Ratio Lower Upper

|    |      |     |       |
|----|------|-----|-------|
| 65 | 100  |     |       |
| 67 | 53.3 | 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

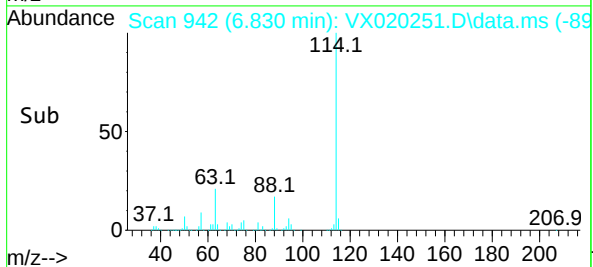
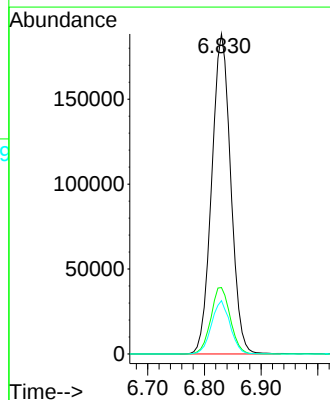
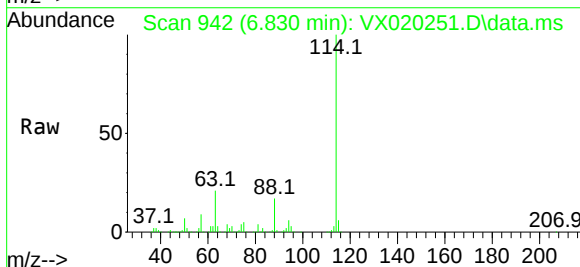
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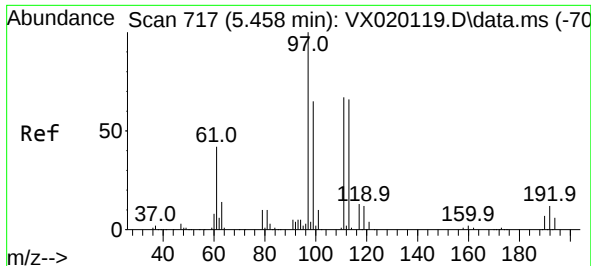
Acq: 21 Dec 2020 15:39

Tgt Ion: 114 Resp: 438199

Ion Ratio Lower Upper

|     |      |     |      |
|-----|------|-----|------|
| 114 | 100  |     |      |
| 63  | 20.7 | 0.0 | 40.8 |
| 88  | 16.7 | 0.0 | 32.8 |

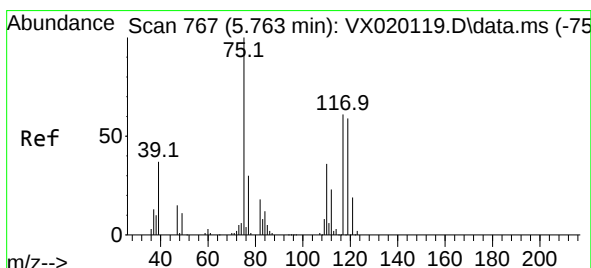
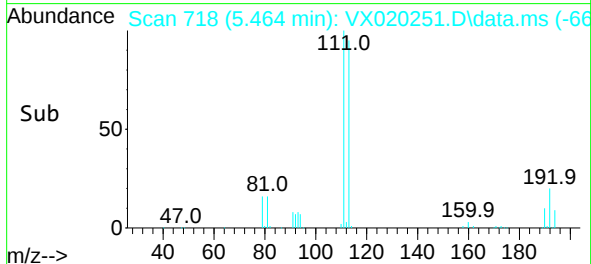
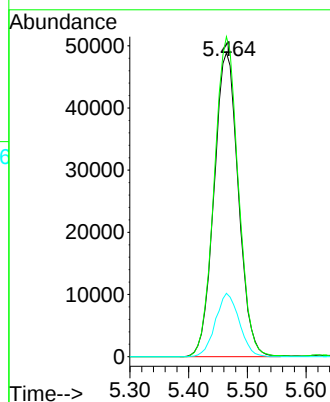
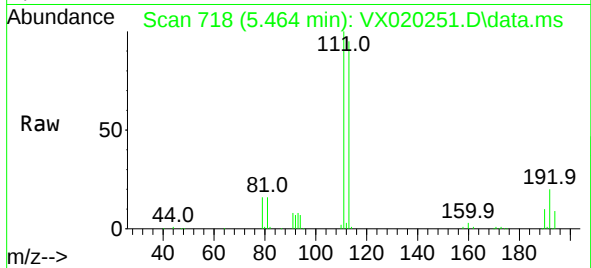




#35  
Dibromofluoromethane  
Concen: 50.15 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

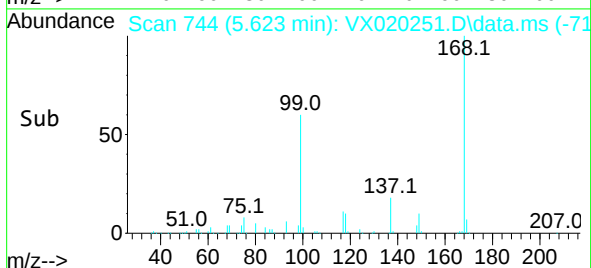
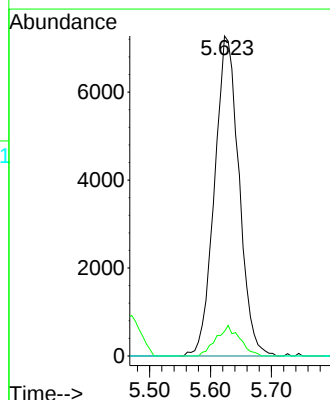
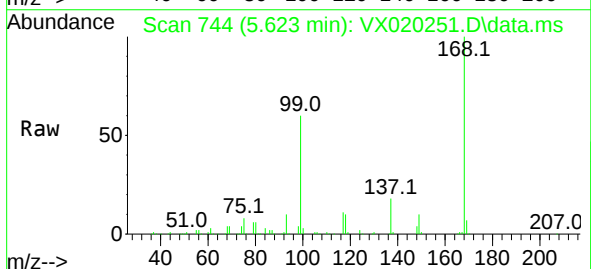
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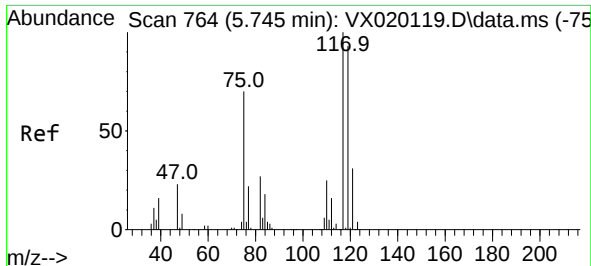
Tgt Ion:113 Resp: 140570  
Ion Ratio Lower Upper  
113 100  
111 104.3 81.9 122.9  
192 20.4 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 4.69 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.140 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

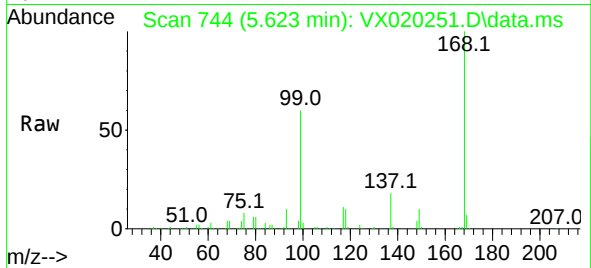
Tgt Ion: 75 Resp: 20317  
Ion Ratio Lower Upper  
75 100  
110 9.2 18.1 54.4#  
77 0.0 25.3 37.9#



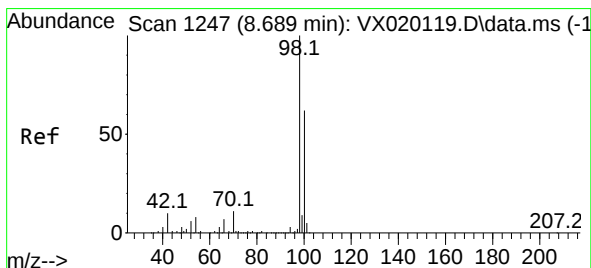
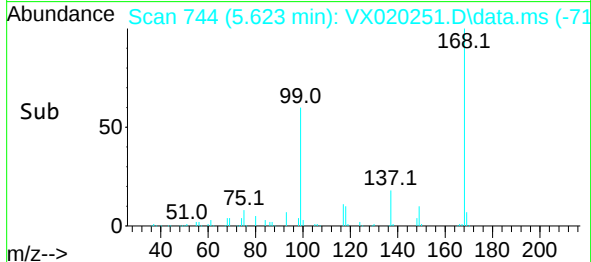
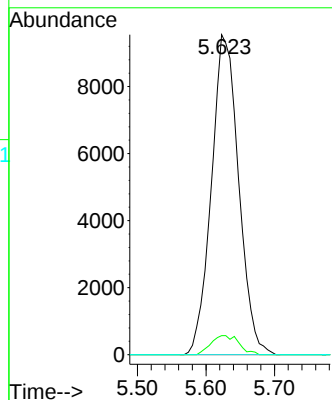


#38  
Carbon Tetrachloride  
Concen: 6.40 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.122 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
49-MW009(DOB)-121520

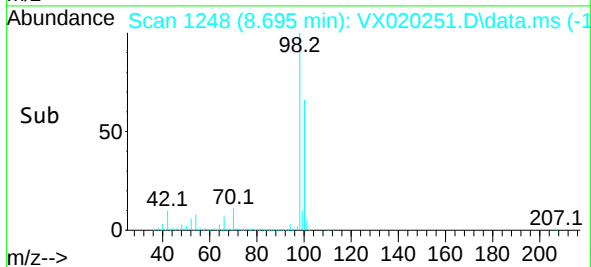
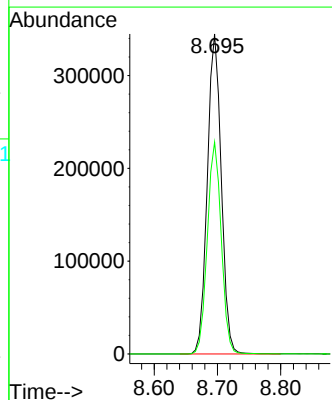
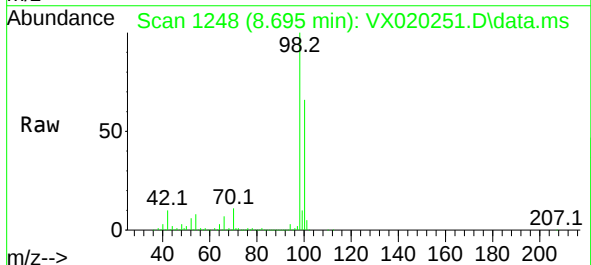


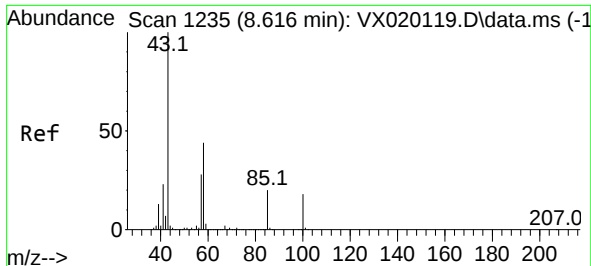
Tgt Ion:117 Resp: 26374  
Ion Ratio Lower Upper  
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119 6.0 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.14 ug/l  
RT: 8.695 min Scan# 1248  
Delta R.T. 0.006 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

Tgt Ion: 98 Resp: 530246  
Ion Ratio Lower Upper  
98 100  
100 65.9 51.9 77.9

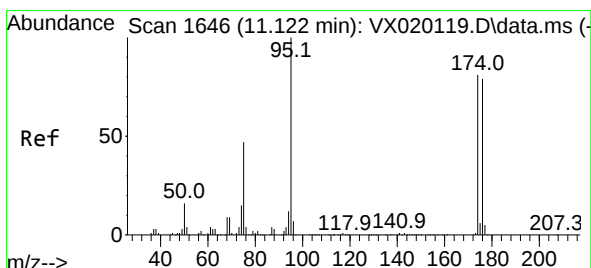
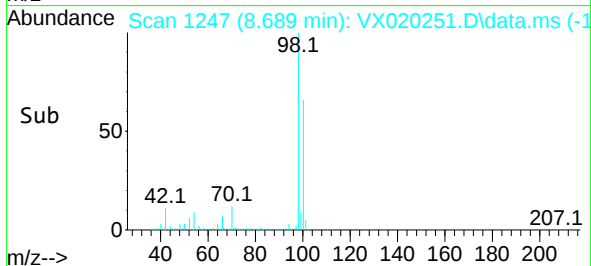
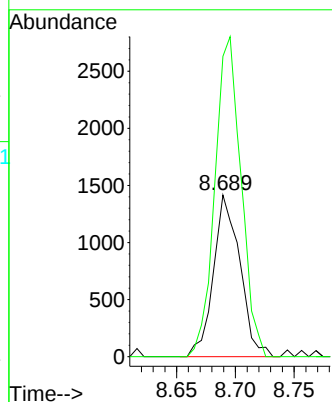
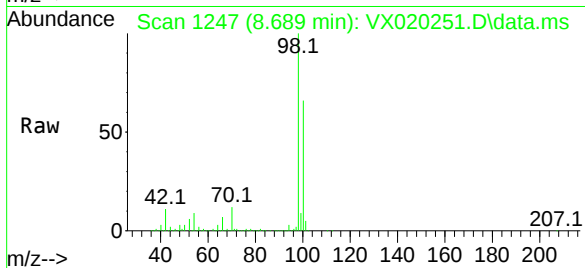




#51  
4-Methyl-2-Pentanone  
Concen: 0.50 ug/l  
RT: 8.689 min Scan# 1247  
Delta R.T. 0.073 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

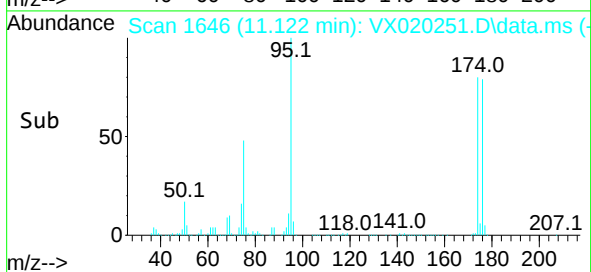
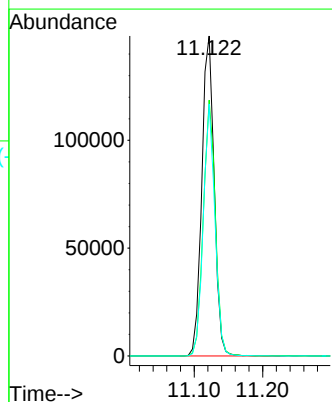
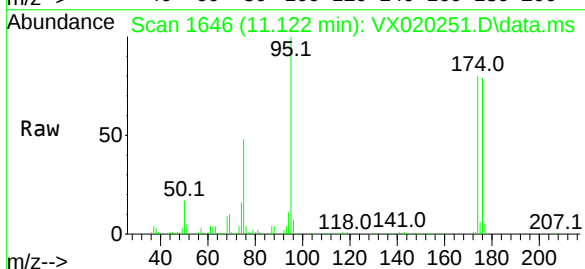
Instrument :  
MSVOA\_X  
ClientSampleId :  
49-MW009(DOB)-121520

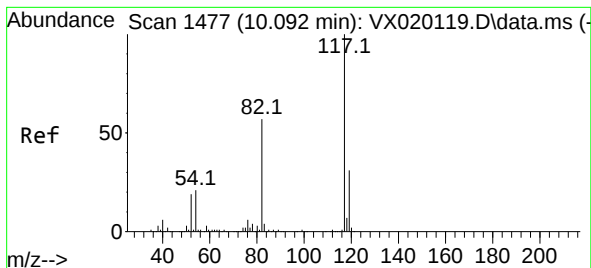
Tgt Ion: 43 Resp: 2220  
Ion Ratio Lower Upper  
43 100  
58 195.8 35.4 53.0#



#62  
4-Bromofluorobenzene  
Concen: 45.15 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.000 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

Tgt Ion: 95 Resp: 186474  
Ion Ratio Lower Upper  
95 100  
174 77.9 0.0 154.6  
176 74.3 0.0 155.8

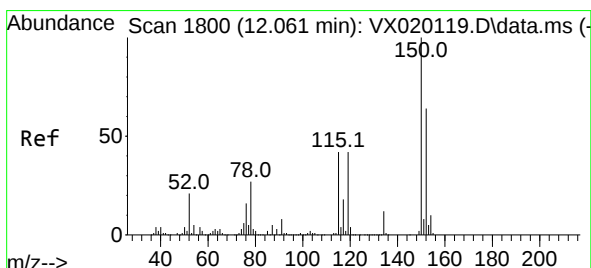
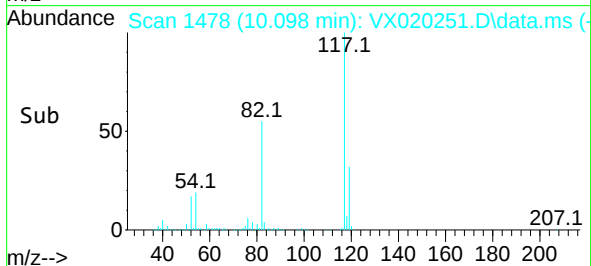
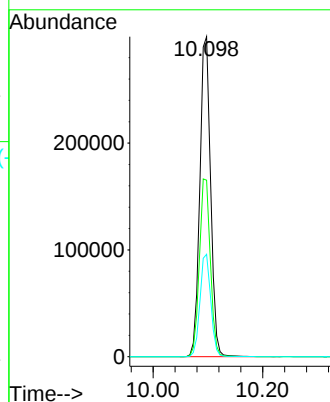
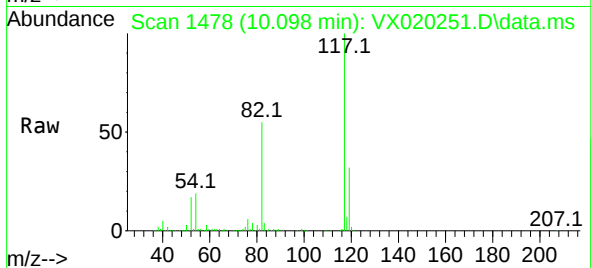




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.098 min Scan# 1478  
Delta R.T. 0.006 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

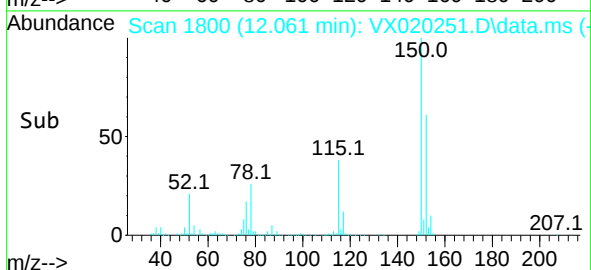
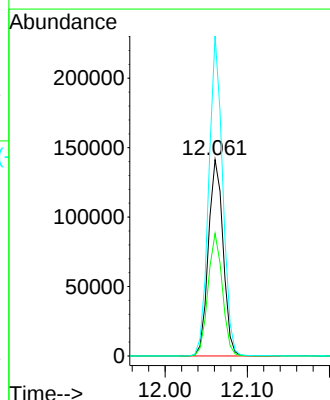
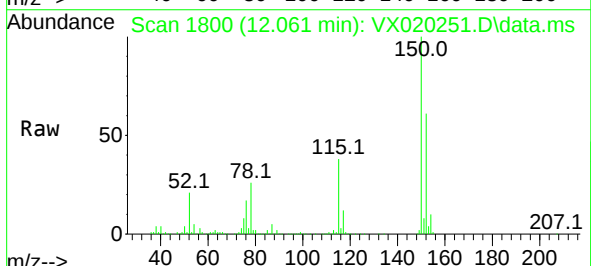
Instrument :  
MSVOA\_X  
ClientSampleId :  
49-MW009(DOB)-121520

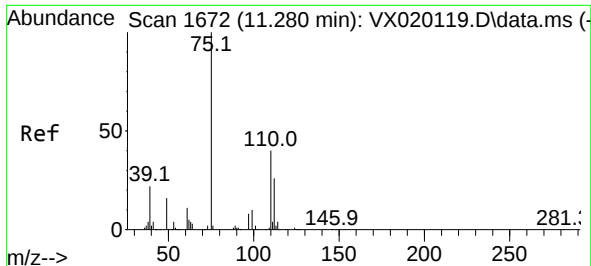
Tgt Ion:117 Resp: 409987  
Ion Ratio Lower Upper  
117 100  
82 55.1 47.4 71.2  
119 32.0 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.061 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

Tgt Ion:152 Resp: 175502  
Ion Ratio Lower Upper  
152 100  
115 60.8 41.1 123.3  
150 153.8 0.0 349.0

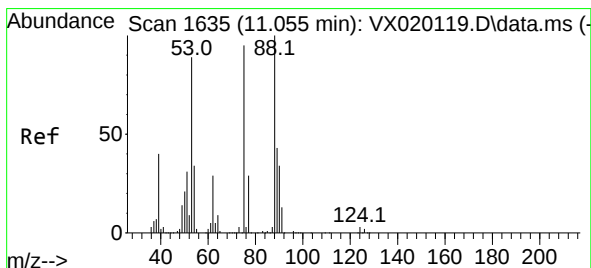
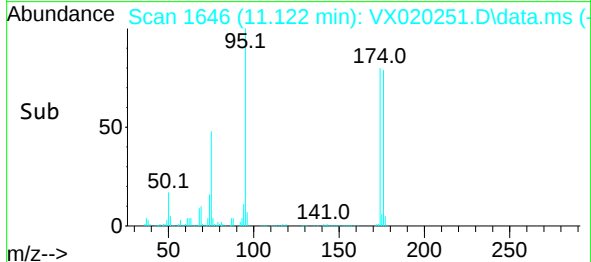
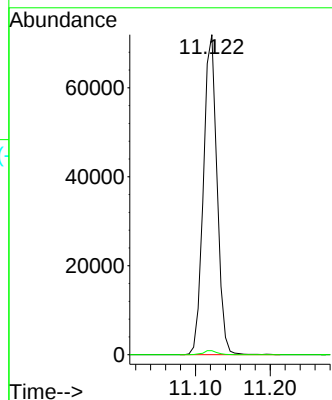
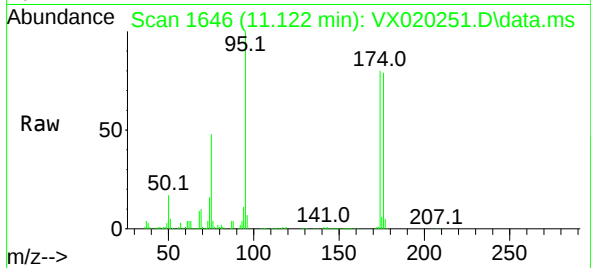




#76  
1,2,3-Trichloropropane  
Concen: 21.05 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.158 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
49-MW009(DOB)-121520

Tgt Ion: 75 Resp: 90984  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.44 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. 0.067 min  
Lab File: VX020251.D  
Acq: 21 Dec 2020 15:39

Tgt Ion: 75 Resp: 90984  
Ion Ratio Lower Upper  
75 100  
53 0.1 74.5 111.7#  
89 0.0 37.9 56.9#

