

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121520\  
 Data File : VX020037.D  
 Acq On : 16 Dec 2020 01:52  
 Operator : JC/MD  
 Sample : PB133610ZHE#13  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB133610ZHE#13

Quant Time: Dec 16 05:07:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
 Quant Title : Sw846 8260  
 QLast Update : Fri Dec 04 15:32:53 2020  
 Response via : Initial Calibration

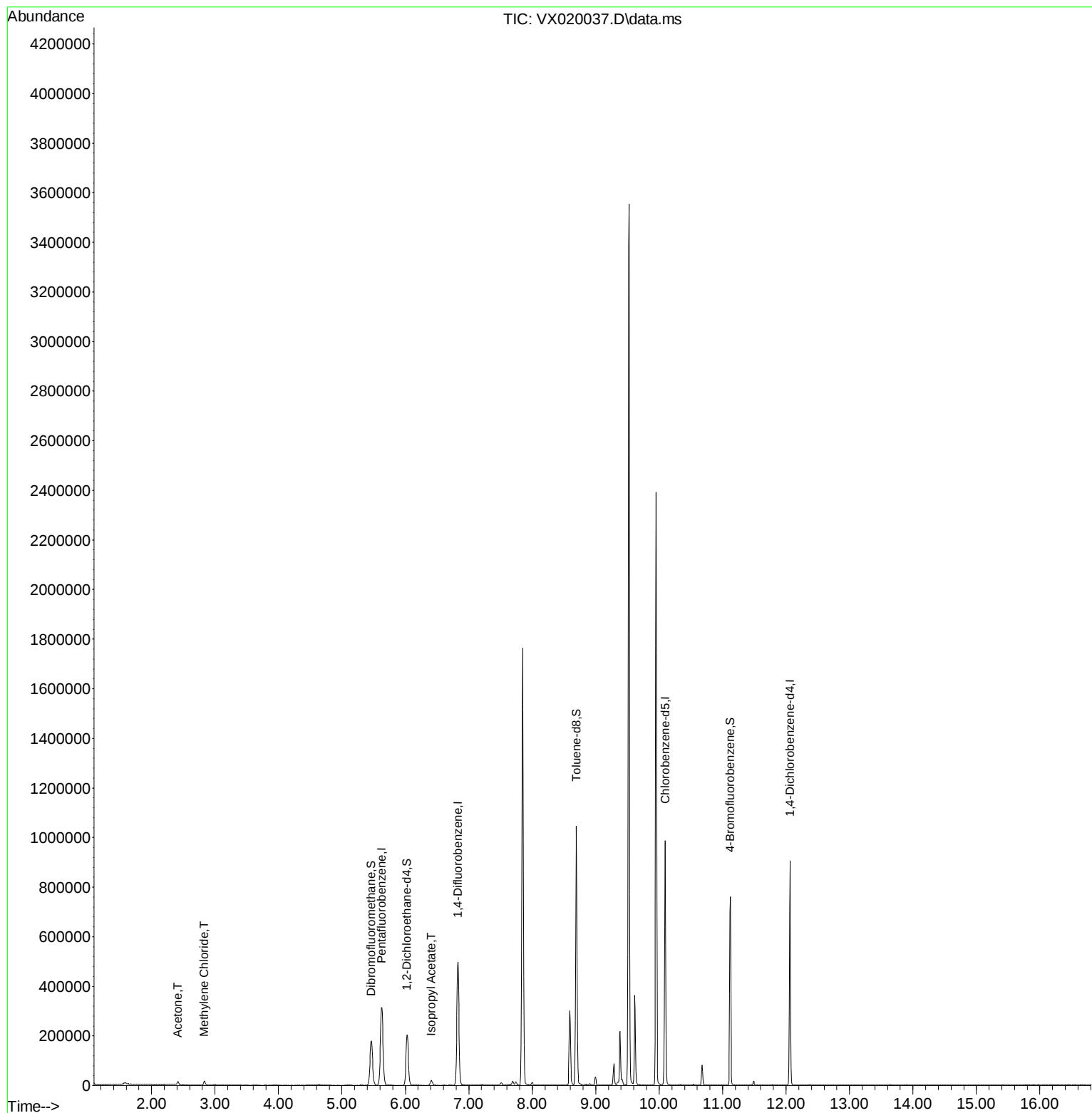
| Compound                    | R.T.           | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|----------------|------|----------|-------|--------|----------|
| -----                       |                |      |          |       |        |          |
| Internal Standards          |                |      |          |       |        |          |
| 1) Pentafluorobenzene       | 5.629          | 168  | 306261   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.830          | 114  | 510299   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.098         | 117  | 459785   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.061         | 152  | 187167   | 50.00 | ug/l   | 0.00     |
|                             |                |      |          |       |        |          |
| System Monitoring Compounds |                |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.025          | 65   | 193192   | 48.00 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery | =     | 96.00% |          |
| 35) Dibromofluoromethane    | 5.464          | 113  | 156709   | 47.52 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery | =     | 95.04% |          |
| 50) Toluene-d8              | 8.696          | 98   | 626393   | 49.75 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery | =     | 99.50% |          |
| 62) 4-Bromofluorobenzene    | 11.122         | 95   | 208852   | 43.58 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery | =     | 87.16% |          |
|                             |                |      |          |       |        |          |
| Target Compounds            |                |      |          |       |        | Qvalue   |
| 16) Acetone                 | 2.416          | 43   | 12867    | 8.50  | ug/l   | 99       |
| 20) Methylene Chloride      | 2.831          | 84   | 8279     | 1.00  | ug/l   | 93       |
| 43) Isopropyl Acetate       | 6.409          | 43   | 25764    | 3.40  | ug/l   | 99       |
| -----                       |                |      |          |       |        |          |

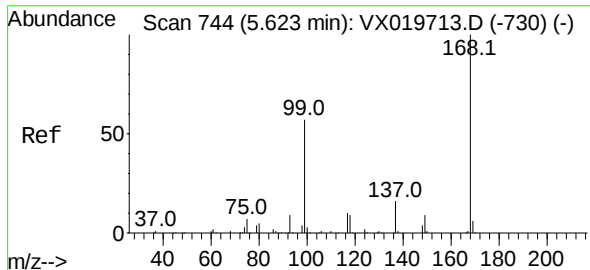
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 04 15:32:53 2020  
Response via : Initial Calibration

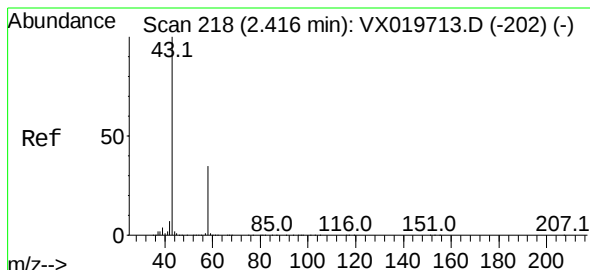
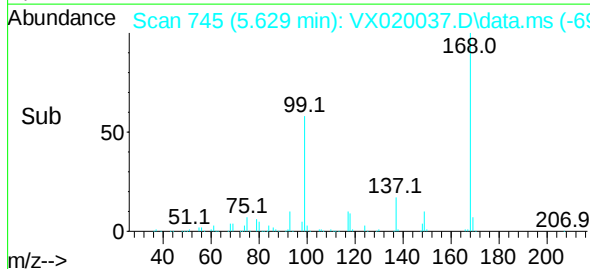
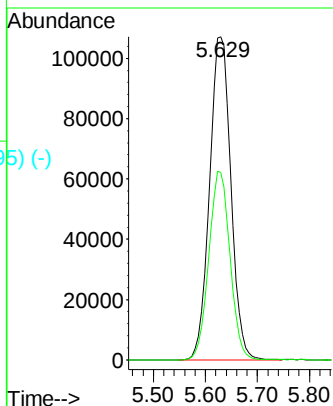
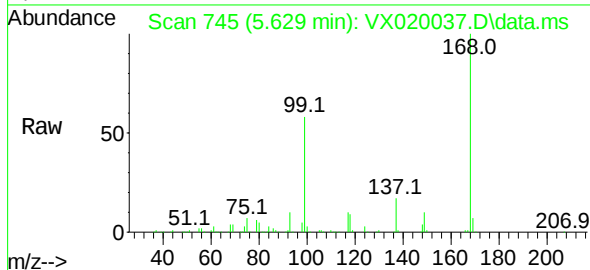




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.006 min  
Lab File: VX020037.D  
Acq: 16 Dec 2020 01:52

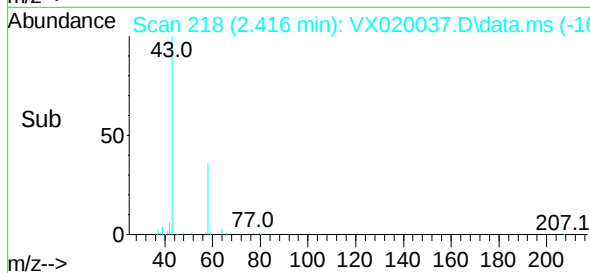
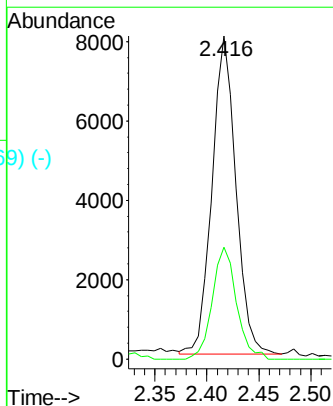
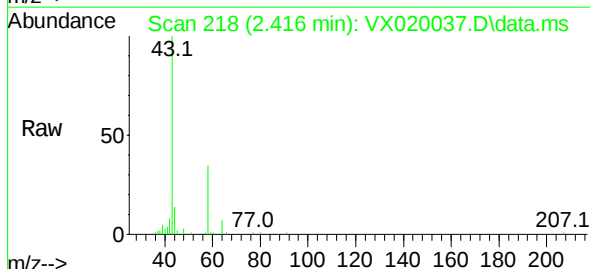
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB133610ZHE#13

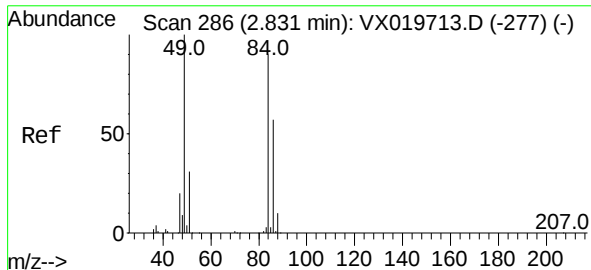
Tgt Ion:168 Resp: 306261  
Ion Ratio Lower Upper  
168 100  
99 58.1 45.8 68.6



#16  
Acetone  
Concen: 8.50 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VX020037.D  
Acq: 16 Dec 2020 01:52

Tgt Ion: 43 Resp: 12867  
Ion Ratio Lower Upper  
43 100  
58 35.3 27.8 41.8

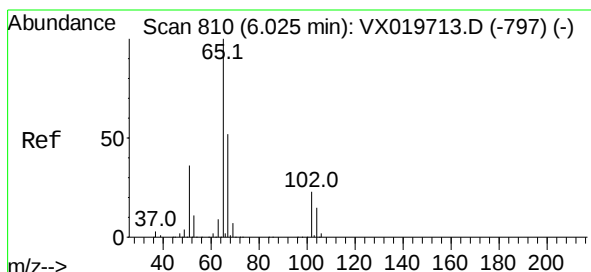
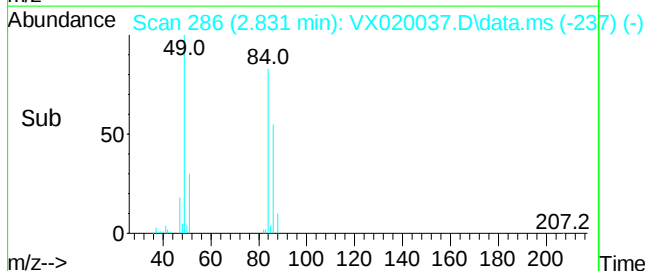
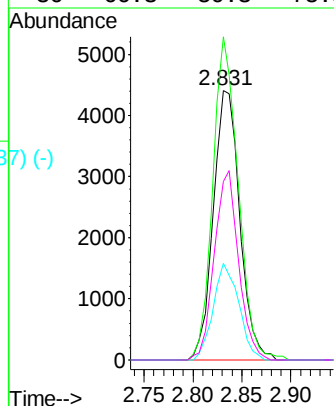
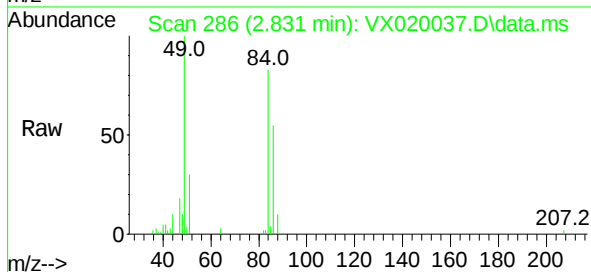




#20  
Methylene Chloride  
Concen: 1.00 ug/l  
RT: 2.831 min Scan# 286  
Delta R.T. 0.001 min  
Lab File: VX020037.D  
Acq: 16 Dec 2020 01:52

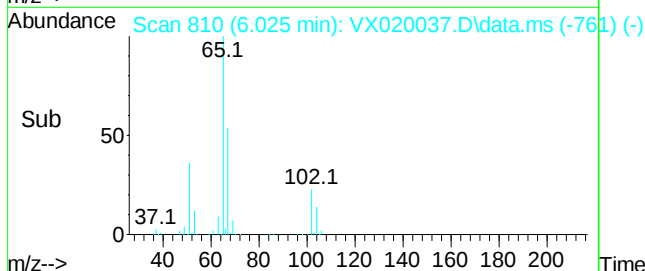
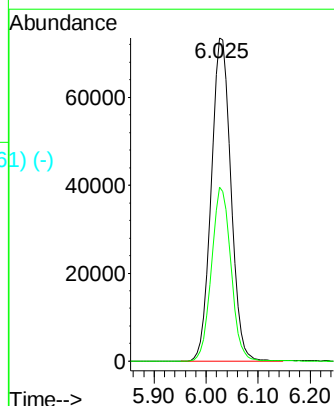
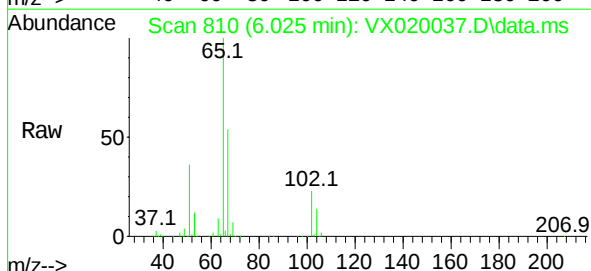
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB133610ZHE#13

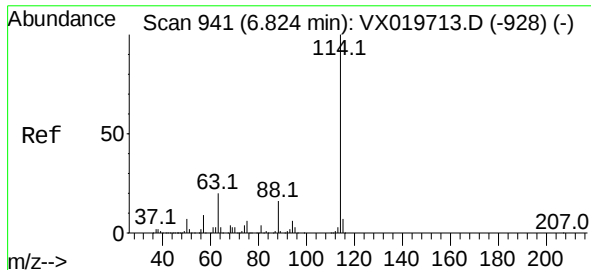
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 8279  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 119.9 | 88.6  | 132.8 |
| 51       | 35.9  | 27.0  | 40.6  |
| 86       | 66.3  | 50.3  | 75.5  |



#33  
1,2-Dichloroethane-d4  
Concen: 48.00 ug/l  
RT: 6.025 min Scan# 810  
Delta R.T. 0.000 min  
Lab File: VX020037.D  
Acq: 16 Dec 2020 01:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 193192 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.2  | 0.0   | 105.4  |

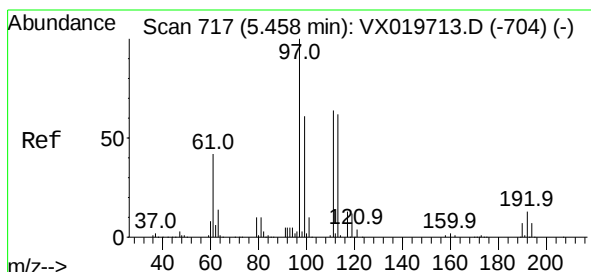
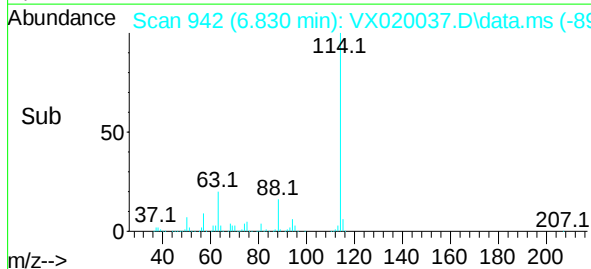
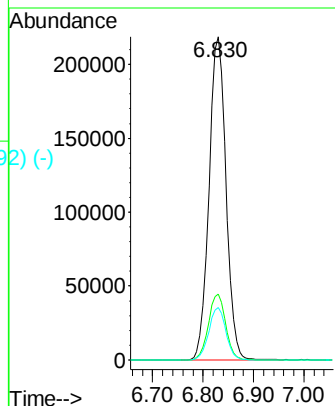
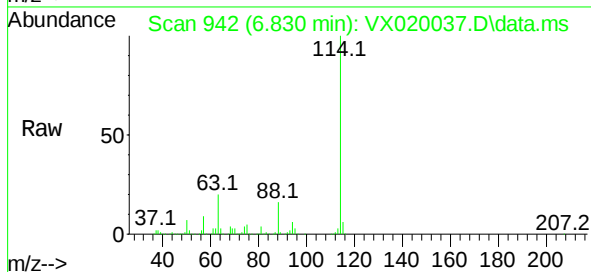




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.830 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VX020037.D  
Acq: 16 Dec 2020 01:52

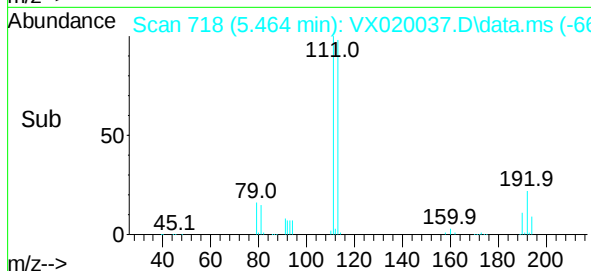
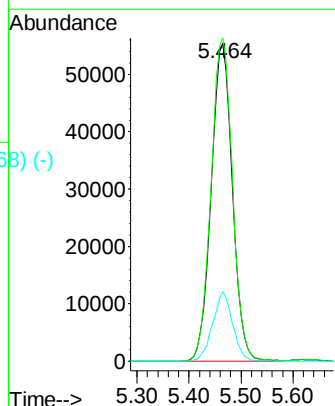
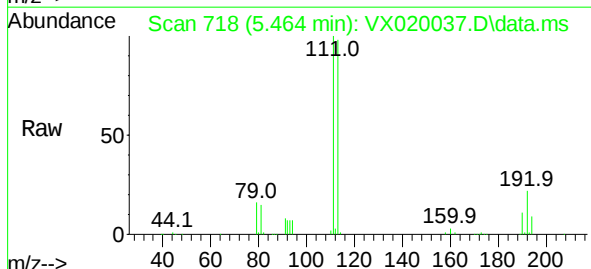
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB133610ZHE#13

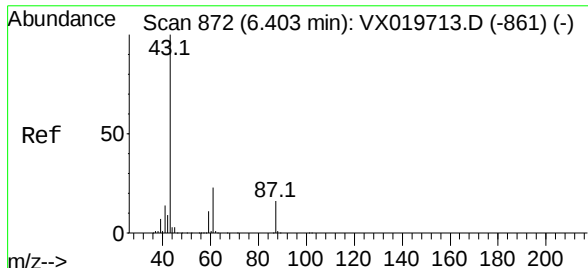
|             |              |
|-------------|--------------|
| Tgt Ion:114 | Resp: 510299 |
| Ion Ratio   | Lower Upper  |
| 114 100     |              |
| 63 20.5     | 0.0 40.8     |
| 88 16.3     | 0.0 32.8     |



#35  
Dibromofluoromethane  
Concen: 47.52 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX020037.D  
Acq: 16 Dec 2020 01:52

|             |              |
|-------------|--------------|
| Tgt Ion:113 | Resp: 156709 |
| Ion Ratio   | Lower Upper  |
| 113 100     |              |
| 111 103.3   | 81.9 122.9   |
| 192 20.6    | 16.7 25.1    |

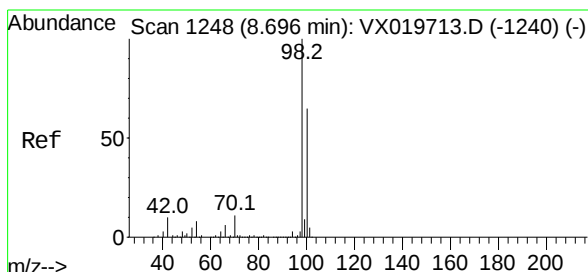
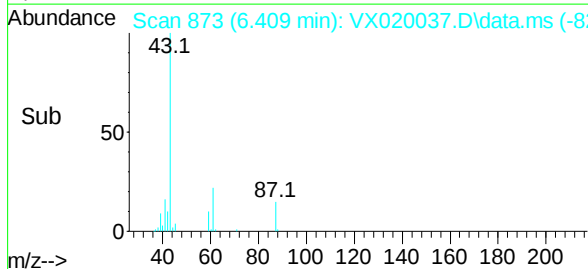
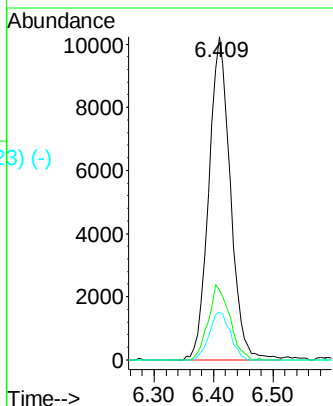
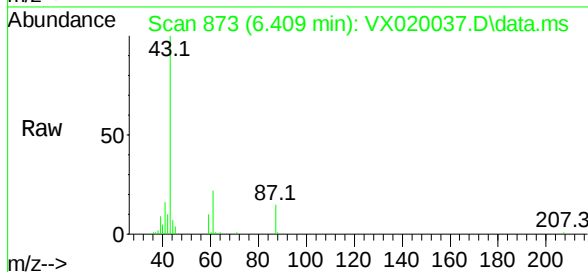




#43  
Isopropyl Acetate  
Concen: 3.40 ug/l  
RT: 6.409 min Scan# 873  
Delta R.T. 0.006 min  
Lab File: VX020037.D  
Acq: 16 Dec 2020 01:52

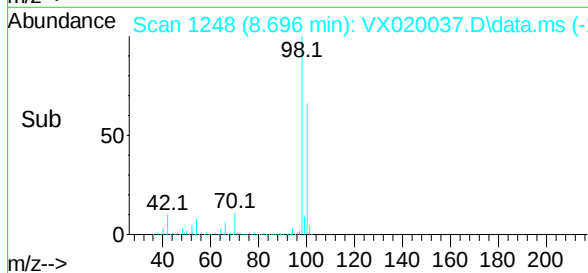
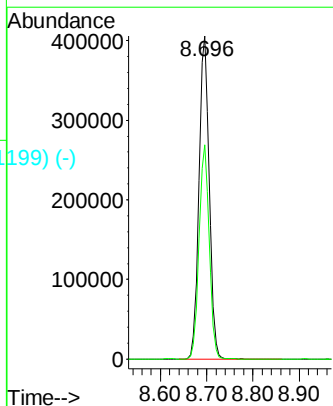
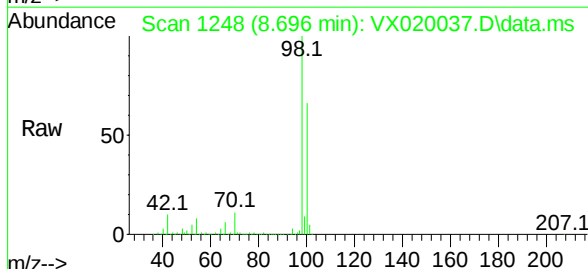
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB133610ZHE#13

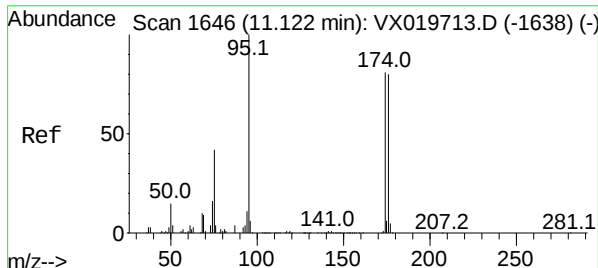
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 25764 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 23.0  | 18.2  | 27.4  |
| 87       | 14.4  | 12.5  | 18.7  |



#50  
Toluene-d8  
Concen: 49.75 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.000 min  
Lab File: VX020037.D  
Acq: 16 Dec 2020 01:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 626393 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.9  | 51.9  | 77.9   |

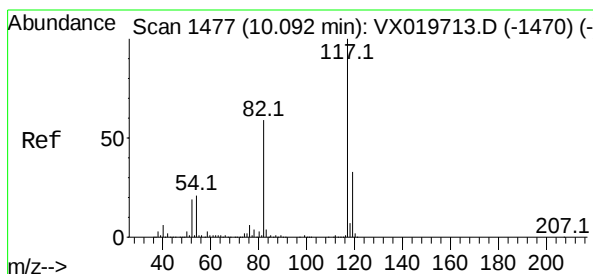
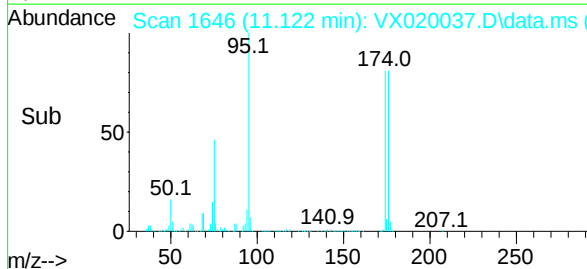
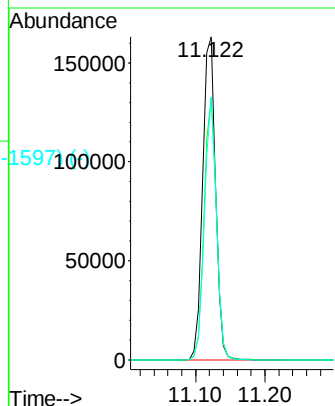
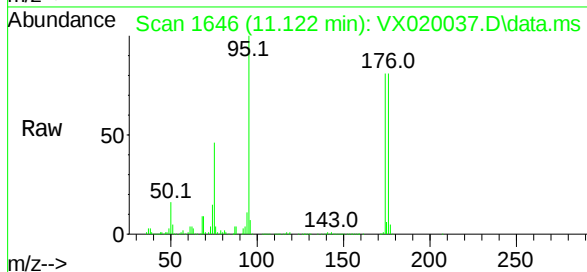




#62  
4-Bromofluorobenzene  
Concen: 43.58 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. 0.000 min  
Lab File: VX020037.D  
Acq: 16 Dec 2020 01:52

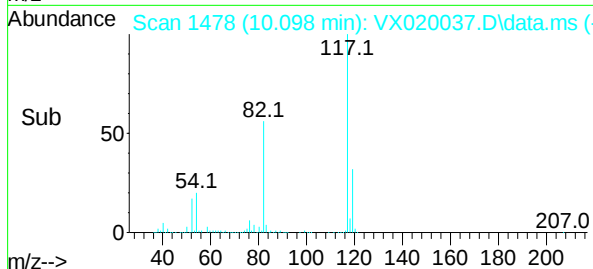
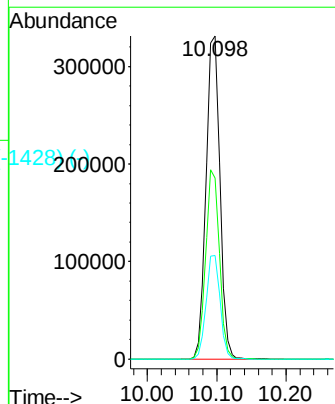
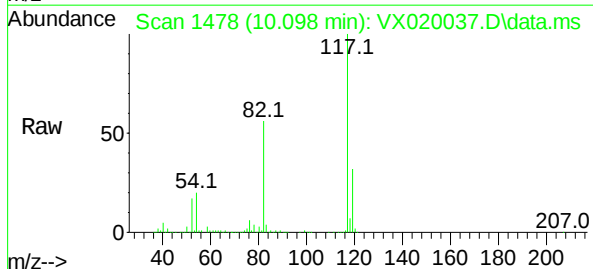
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB133610ZHE#13

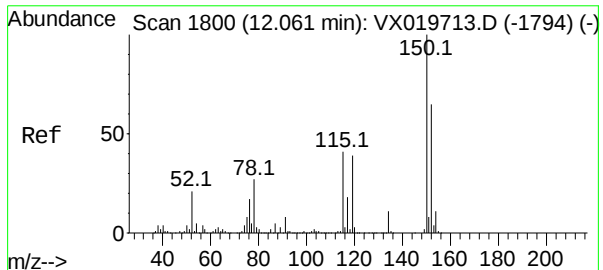
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|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 208852 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 78.4  | 0.0   | 154.6  |
| 176      | 75.6  | 0.0   | 155.8  |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.098 min Scan# 1478  
Delta R.T. 0.006 min  
Lab File: VX020037.D  
Acq: 16 Dec 2020 01:52

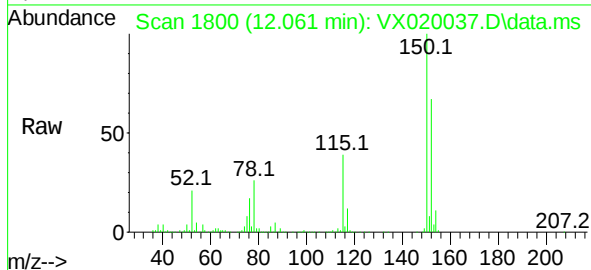
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|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 459785 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.0  | 47.4  | 71.2   |
| 119      | 32.1  | 26.6  | 39.8   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.061 min Scan# 1800  
 Delta R.T. 0.000 min  
 Lab File: VX020037.D  
 Acq: 16 Dec 2020 01:52

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB133610ZHE#13



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 187167 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 59.2  | 41.1  | 123.3  |
| 150      | 156.0 | 0.0   | 349.0  |

