

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012921\  
 Data File : VU042216.D  
 Acq On : 29 Jan 2021 09:30  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

SAM  
 2/4/2021 1:04:29 PM

Quant Time: Jan 30 00:45:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U012821DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Jan 29 09:59:59 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.121  | 96   | 13958    | 1.00  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.642 | 95   | 5985     | 1.11  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 111.00% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.205 | 152  | 5599     | 1.02  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 102.00% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.388  | 85   | 53093    | 9.76  | ug/l    | 100      |
| 3) Chloromethane             | 1.527  | 50   | 47020    | 9.47  | ug/l    | 99       |
| 4) Vinyl Chloride            | 1.610  | 62   | 46285    | 9.78  | ug/l    | 99       |
| 5) Bromomethane              | 1.864  | 94   | 23284    | 9.92  | ug/l    | 99       |
| 6) Chloroethane              | 1.941  | 64   | 26082    | 9.86  | ug/l    | 98       |
| 7) Trichlorofluoromethane    | 2.147  | 101  | 65448    | 9.89  | ug/l    | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.591  | 101  | 35845    | 10.13 | ug/l    | 99       |
| 9) 1,1-Dichloroethene        | 2.591  | 96   | 31243    | 9.84  | ug/l    | 98       |
| 10) Iodomethane              | 2.732  | 142  | 49615    | 10.68 | ug/l    | 99       |
| 11) Allyl Chloride           | 2.932  | 41   | 62712    | 9.68  | ug/l    | 100      |
| 12) Acrylonitrile            | 3.327  | 53   | 16629    | 20.40 | ug/l    | 98       |
| 13) Acetone                  | 2.636  | 43   | 28311    | 52.14 | ug/l    | 100      |
| 14) Carbon Disulfide         | 2.803  | 76   | 105134   | 10.10 | ug/l    | 100      |
| 15) Methylene Chloride       | 3.054  | 84   | 34510    | 8.69  | ug/l    | 99       |
| 16) trans-1,2-Dichloroethene | 3.363  | 96   | 34468    | 10.07 | ug/l    | 100      |
| 17) 1,1-Dichloroethane       | 3.883  | 63   | 68049    | 9.97  | ug/l    | 99       |
| 18) 2-Butanone               | 4.729  | 43   | 52712    | 49.32 | ug/l    | 99       |
| 19) Cyclohexane              | 5.395  | 56   | 66666m   | 9.79  | ug/l    |          |
| 20) Methylcyclohexane        | 6.771  | 83   | 69880    | 9.93  | ug/l    | 99       |
| 21) 2,2-Dichloropropane      | 4.678  | 77   | 64137    | 9.85  | ug/l    | 100      |
| 22) cis-1,2-Dichloroethene   | 4.678  | 96   | 37436    | 9.83  | ug/l    | 99       |
| 23) Diethyl Ether            | 2.385  | 59   | 26802    | 10.30 | ug/l    | 99       |
| 24) tert-Butyl Alcohol       | 3.215  | 59   | 18664    | 95.78 | ug/l    | 99       |
| 25) Methyl tert-Butyl Ether  | 3.379  | 73   | 94417    | 9.99  | ug/l    | 98       |
| 26) Bromochloromethane       | 4.986  | 128  | 17934    | 10.39 | ug/l    | 99       |
| 27) Chloroform               | 5.102  | 83   | 66309    | 9.81  | ug/l    | 97       |
| 28) 1,1,1-Trichloroethane    | 5.327  | 97   | 61988    | 9.91  | ug/l    | 100      |
| 29) 1,1-Dichloropropene      | 5.533  | 75   | 57504    | 9.91  | ug/l    | 100      |
| 30) Carbon Tetrachloride     | 5.533  | 117  | 60510    | 10.23 | ug/l    | 99       |
| 31) Isopropyl Ether          | 4.012  | 45   | 124735   | 9.81  | ug/l    | 100      |
| 32) Ethyl-t-butyl ether      | 4.523  | 59   | 112915   | 9.88  | ug/l    | 99       |
| 33) Tert-Amyl methyl ether   | 5.961  | 73   | 104283   | 9.76  | ug/l    | 100      |
| 34) Propionitrile            | 4.800  | 54   | 13243    | 48.69 | ug/l    | # 94     |
| 35) Benzene                  | 5.784  | 78   | 153121   | 9.92  | ug/l    | 100      |
| 36) 1,2-Dichloroethane       | 5.809  | 62   | 56063    | 10.06 | ug/l    | 100      |
| 37) Trichloroethene          | 6.552  | 130  | 41430    | 10.00 | ug/l    | 99       |
| 38) 1,2-Dichloropropane      | 6.803  | 63   | 42317    | 10.06 | ug/l    | 99       |
| 39) Methacrylonitrile        | 4.996  | 41   | 16367    | 10.32 | ug/l    | 99       |
| 40) Methyl acrylate          | 4.861  | 55   | 21992    | 10.26 | ug/l    | 98       |
| 41) Tetrahydrofuran          | 5.080  | 42   | 14181    | 20.84 | ug/l    | 98       |
| 42) 1-Chlorobutane           | 5.469  | 56   | 80792    | 9.53  | ug/l    | 98       |
| 43) Dibromomethane           | 6.928  | 93   | 23179    | 10.52 | ug/l    | 98       |
| 44) Bromodichloromethane     | 7.118  | 83   | 56537    | 10.48 | ug/l    | 98       |

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 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

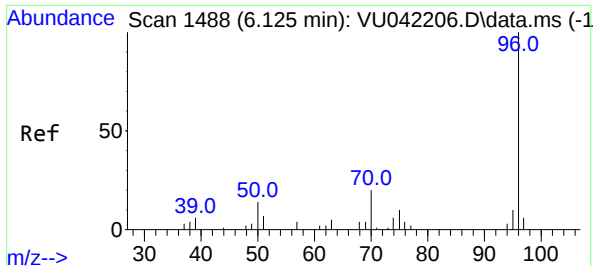
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Quant Time: Jan 30 00:45:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U012821DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Jan 29 09:59:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.809  | 43   | 183347   | 50.05 | ug/l  | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.848 | 75   | 22526m   | 19.14 | ug/l  |          |
| 47) Methyl methacrylate       | 6.977  | 69   | 45330    | 19.87 | ug/l  | 95       |
| 48) Ethyl methacrylate        | 8.346  | 69   | 49195    | 10.19 | ug/l  | 99       |
| 49) Toluene                   | 7.980  | 92   | 96540    | 10.05 | ug/l  | 98       |
| 50) t-1,3-Dichloropropene     | 8.221  | 75   | 59242    | 10.73 | ug/l  | 100      |
| 51) cis-1,3-Dichloropropene   | 7.620  | 75   | 64613    | 10.44 | ug/l  | 98       |
| 52) 1,1,2-Trichloroethane     | 8.411  | 97   | 31101    | 10.32 | ug/l  | 99       |
| 53) 1,3-Dichloropropane       | 8.587  | 76   | 55657    | 10.17 | ug/l  | 98       |
| 54) 2-Hexanone                | 8.700  | 43   | 135537   | 51.06 | ug/l  | 99       |
| 55) Dibromochloromethane      | 8.822  | 129  | 39818    | 10.95 | ug/l  | 98       |
| 56) 1,2-Dibromoethane         | 8.935  | 107  | 31423    | 10.51 | ug/l  | 99       |
| 58) Tetrachloroethene         | 8.562  | 164  | 36430    | 10.06 | ug/l  | 99       |
| 59) Chlorobenzene             | 9.456  | 112  | 104930   | 10.04 | ug/l  | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.546  | 131  | 40810    | 10.39 | ug/l  | 99       |
| 61) Pentachloroethane         | 11.436 | 117  | 32502    | 10.53 | ug/l  | 99       |
| 62) Hexachloroethane          | 12.484 | 117  | 33499    | 10.97 | ug/l  | 98       |
| 63) Ethyl Benzene             | 9.578  | 91   | 191761   | 10.11 | ug/l  | 100      |
| 64) m/p-Xylenes               | 9.703  | 106  | 141514   | 20.07 | ug/l  | 99       |
| 65) o-Xylene                  | 10.108 | 106  | 69200    | 9.96  | ug/l  | 99       |
| 66) Styrene                   | 10.124 | 104  | 119534   | 10.25 | ug/l  | 99       |
| 67) Bromoform                 | 10.301 | 173  | 25379    | 11.10 | ug/l  | 98       |
| 69) Isopropylbenzene          | 10.494 | 105  | 188793   | 10.08 | ug/l  | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.793 | 83   | 40988    | 10.33 | ug/l  | 99       |
| 71) 1,2,3-Trichloropropane    | 10.841 | 75   | 28989m   | 9.28  | ug/l  |          |
| 72) Bromobenzene              | 10.790 | 156  | 47395    | 10.03 | ug/l  | 99       |
| 73) n-propylbenzene           | 10.915 | 120  | 51787    | 10.39 | ug/l  | 99       |
| 74) 2-Chlorotoluene           | 10.996 | 126  | 44614    | 10.03 | ug/l  | 98       |
| 75) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 163880   | 10.08 | ug/l  | 99       |
| 76) 4-Chlorotoluene           | 11.105 | 126  | 46354    | 10.28 | ug/l  | 99       |
| 77) tert-Butylbenzene         | 11.430 | 119  | 163175   | 10.13 | ug/l  | 100      |
| 78) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 164227   | 10.06 | ug/l  | 100      |
| 79) sec-Butylbenzene          | 11.652 | 105  | 211131   | 10.18 | ug/l  | 99       |
| 80) Nitrobenzene              | 13.217 | 77   | 7882     | 71.00 | ug/l  | 100      |
| 81) p-Isopropyltoluene        | 11.803 | 119  | 180814   | 10.26 | ug/l  | 99       |
| 82) 1,3-Dichlorobenzene       | 11.755 | 146  | 89842    | 10.07 | ug/l  | 100      |
| 83) 1,4-Dichlorobenzene       | 11.845 | 146  | 90256    | 10.05 | ug/l  | 98       |
| 84) n-Butylbenzene            | 12.218 | 91   | 175749   | 10.44 | ug/l  | 100      |
| 85) 1,2-Dichlorobenzene       | 12.221 | 146  | 87349    | 10.06 | ug/l  | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.005 | 75   | 8864     | 10.94 | ug/l  | 99       |
| 87) 1,2,4-Trichlorobenzene    | 13.851 | 180  | 70095    | 10.51 | ug/l  | 100      |
| 88) Hexachlorobutadiene       | 14.031 | 225  | 38888    | 10.34 | ug/l  | 99       |
| 89) Naphthalene               | 14.095 | 128  | 131459   | 10.53 | ug/l  | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.340 | 180  | 64197    | 10.57 | ug/l  | 99       |

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





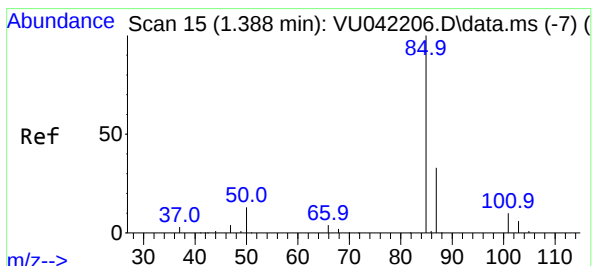
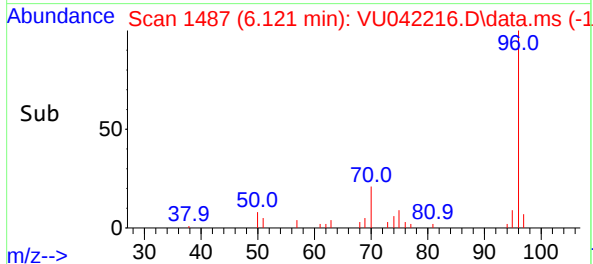
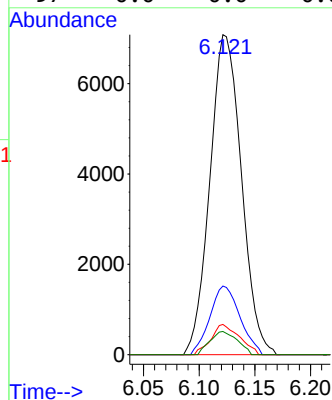
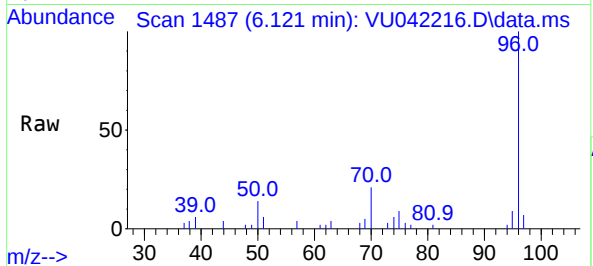
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Fluorobenzene  
Concen: 1.00 ug/l  
RT: 6.121 min Scan# 1487  
Delta R.T. -0.004 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 13958 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 20.4  | 16.3  | 24.5  |
| 95       | 8.6   | 7.6   | 11.4  |
| 97       | 0.0   | 0.0   | 0.0   |

Instrument :  
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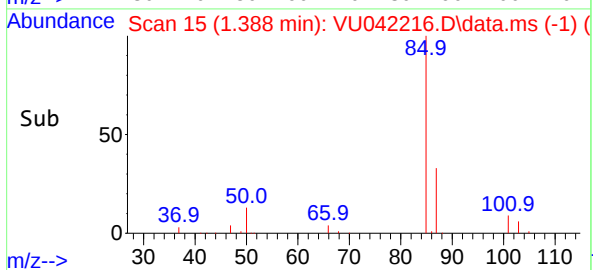
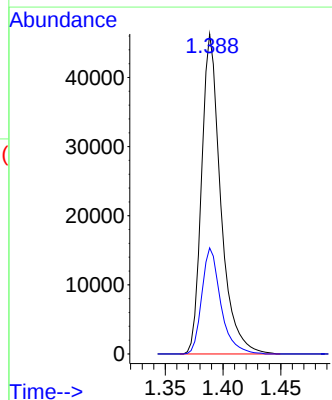
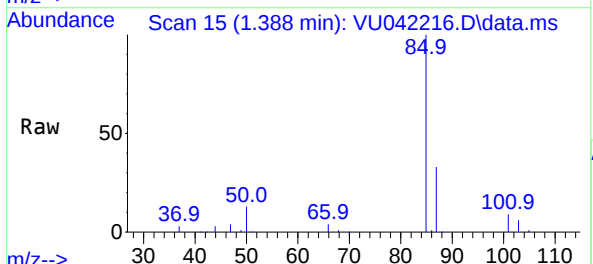
Manual Integrations  
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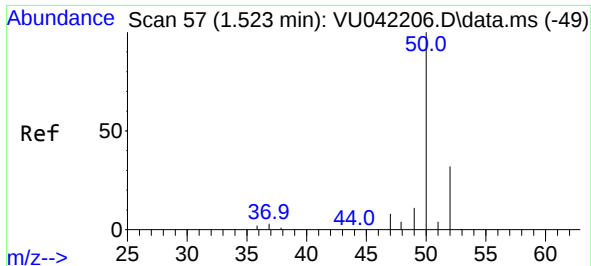
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#2  
Dichlorodifluoromethane  
Concen: 9.76 ug/l  
RT: 1.388 min Scan# 15  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 53093 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 33.1  | 16.7  | 50.1  |





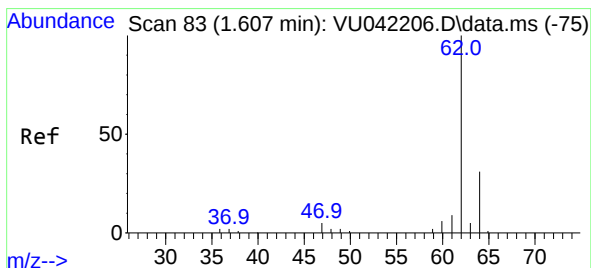
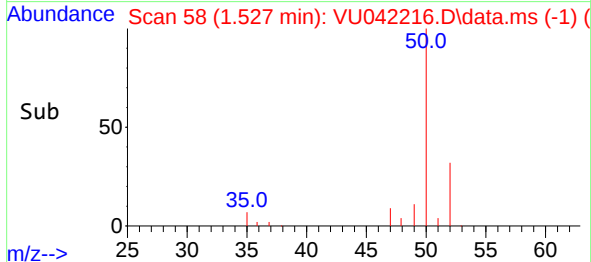
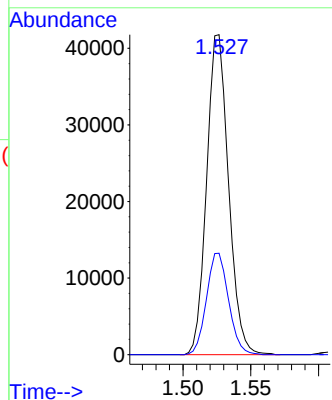
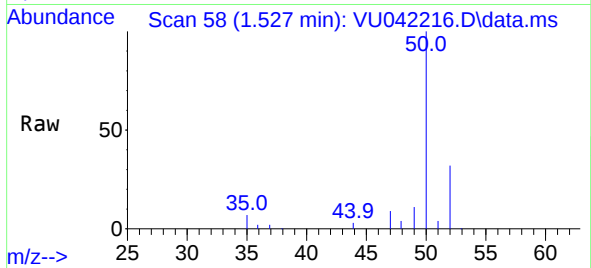
#3  
Chloromethane  
Concen: 9.47 ug/l  
RT: 1.527 min Scan# 58  
Delta R.T. 0.004 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 50 Resp: 47020  
Ion Ratio Lower Upper  
50 100  
52 31.7 25.6 38.4

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

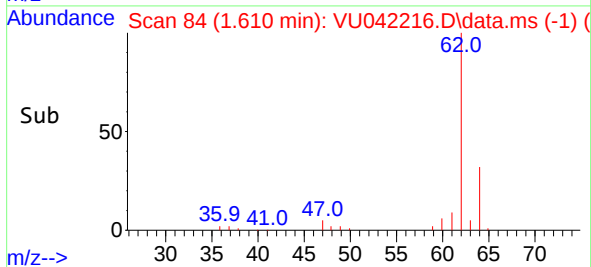
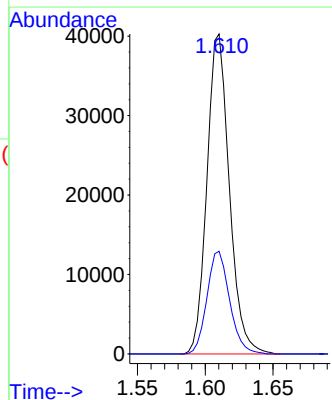
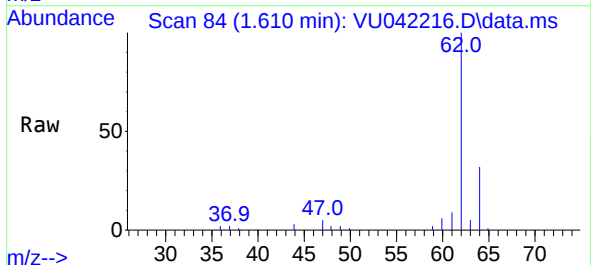
Manual Integrations  
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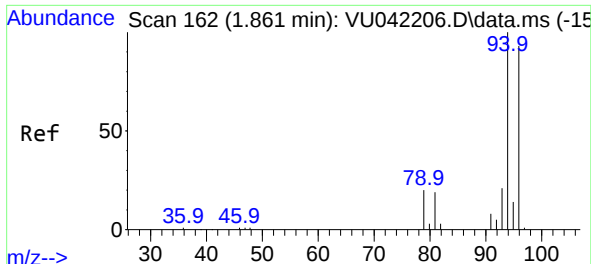
SAM  
2/4/2021 1:04:29 PM



#4  
Vinyl Chloride  
Concen: 9.78 ug/l  
RT: 1.610 min Scan# 84  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 62 Resp: 46285  
Ion Ratio Lower Upper  
62 100  
64 32.1 25.1 37.7





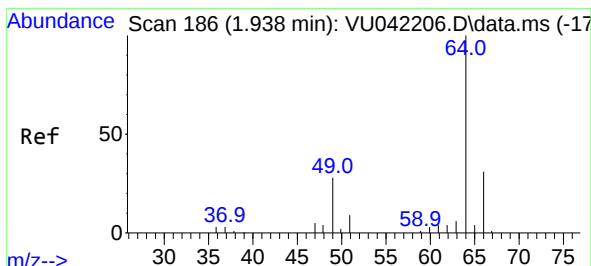
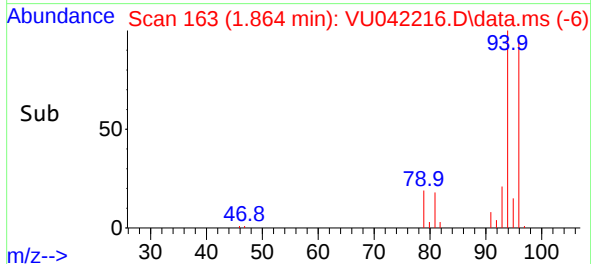
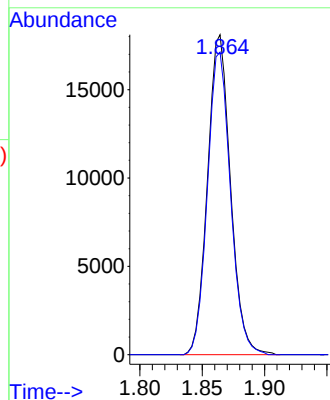
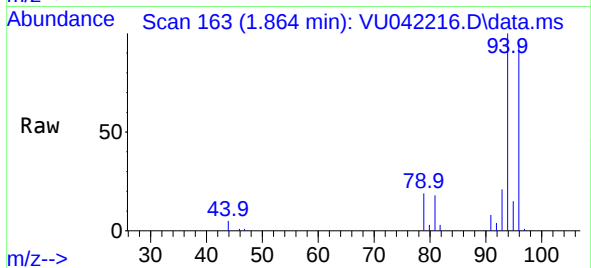
#5  
Bromomethane  
Concen: 9.92 ug/l  
RT: 1.864 min Scan# 163  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 94 Resp: 23284  
Ion Ratio Lower Upper  
94 100  
96 94.6 74.7 112.1

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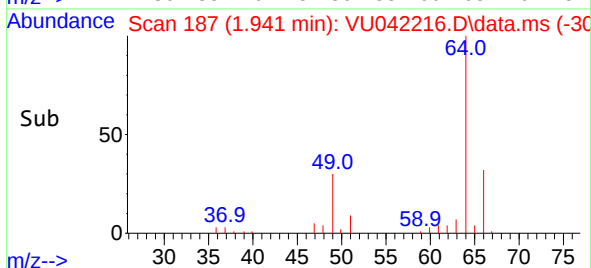
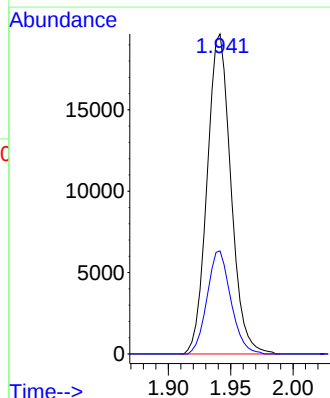
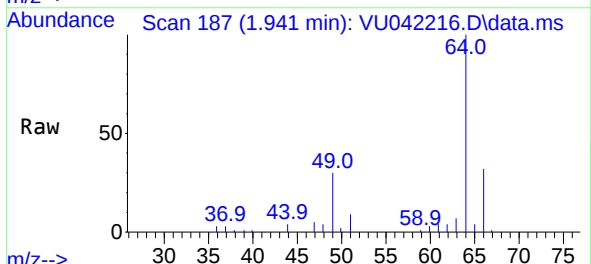
Manual Integrations  
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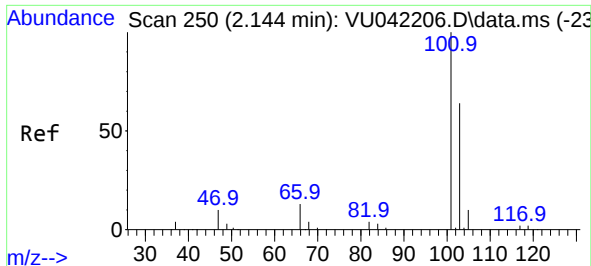
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#6  
Chloroethane  
Concen: 9.86 ug/l  
RT: 1.941 min Scan# 187  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 64 Resp: 26082  
Ion Ratio Lower Upper  
64 100  
66 32.2 25.0 37.4





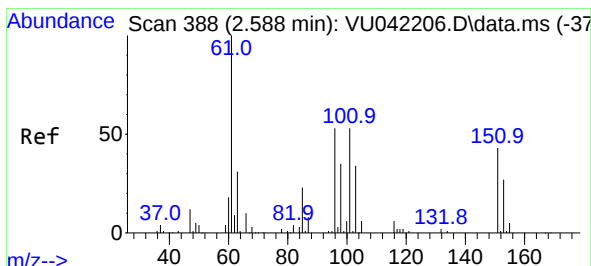
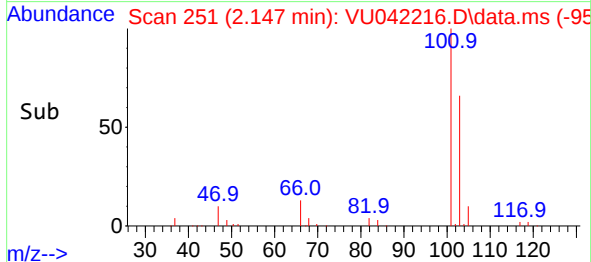
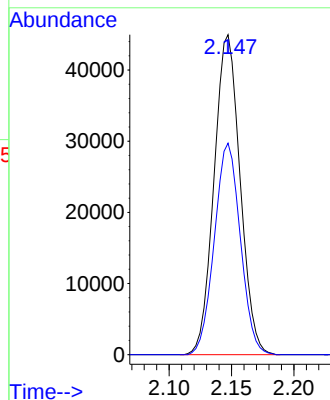
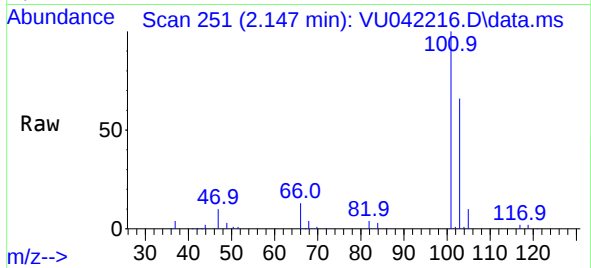
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Trichlorofluoromethane  
Concen: 9.89 ug/l  
RT: 2.147 min Scan# 251  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:101 Resp: 65448  
Ion Ratio Lower Upper  
101 100  
103 66.1 51.5 77.3

Instrument :  
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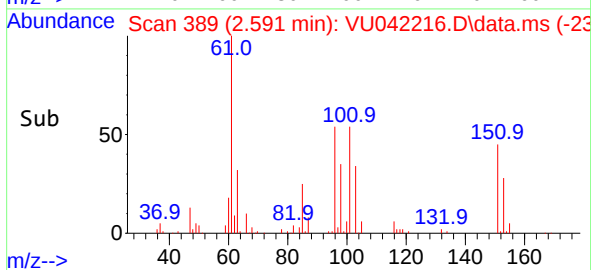
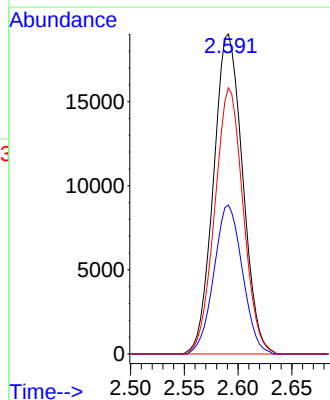
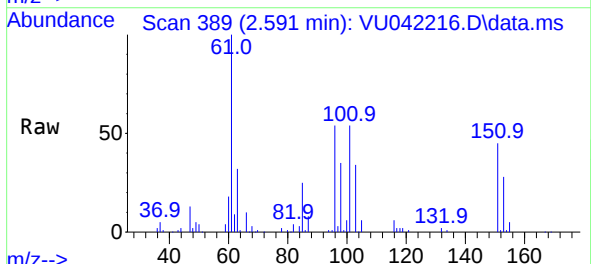
Manual Integrations  
APPROVED

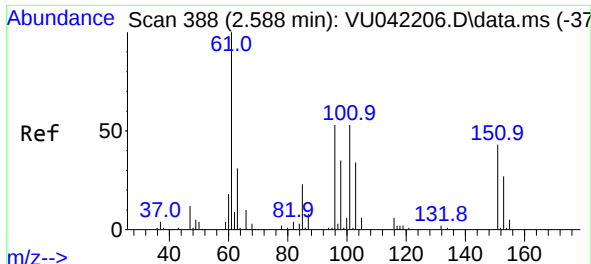
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#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 10.13 ug/l  
RT: 2.591 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:101 Resp: 35845  
Ion Ratio Lower Upper  
101 100  
85 45.7 36.1 54.1  
151 81.1 64.6 97.0





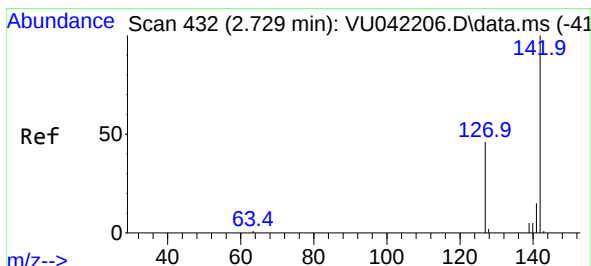
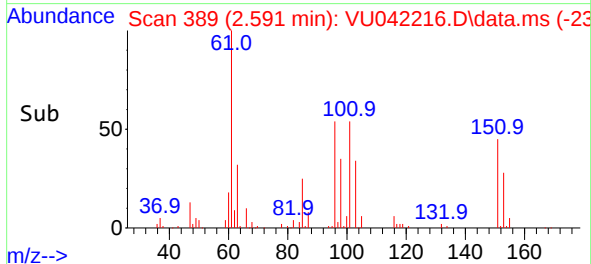
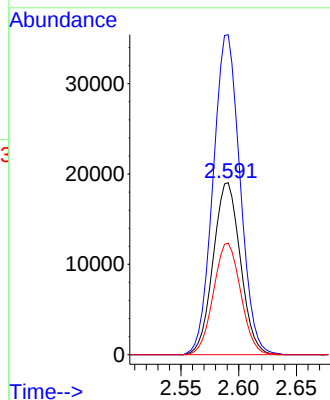
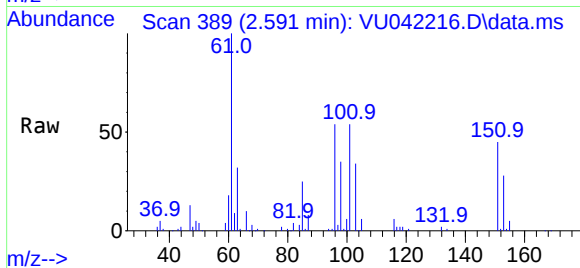
#9  
1,1-Dichloroethene  
Concen: 9.84 ug/l  
RT: 2.591 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 31243 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 186.0 | 0.0   | 565.8 |
| 98       | 64.8  | 0.0   | 131.2 |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

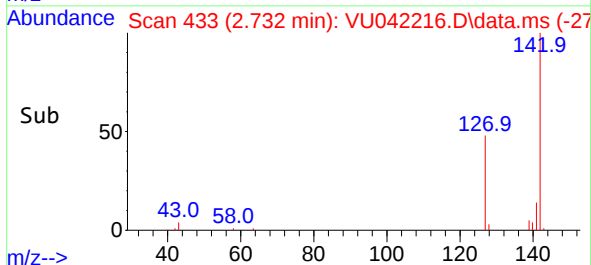
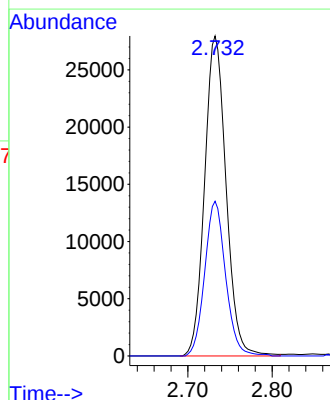
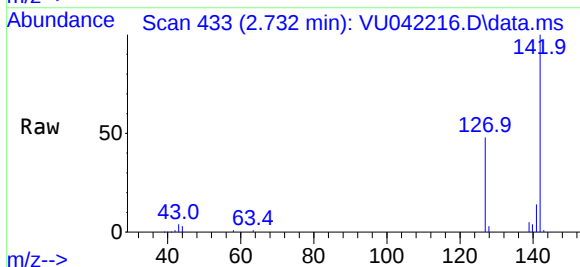
Manual Integrations  
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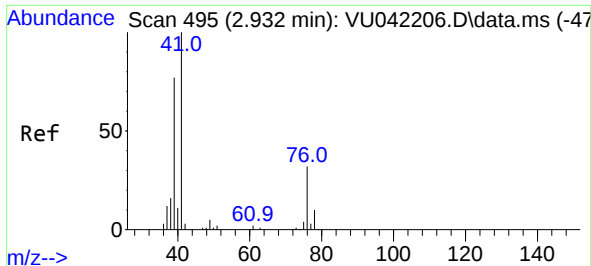
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#10  
Iodomethane  
Concen: 10.68 ug/l  
RT: 2.732 min Scan# 433  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

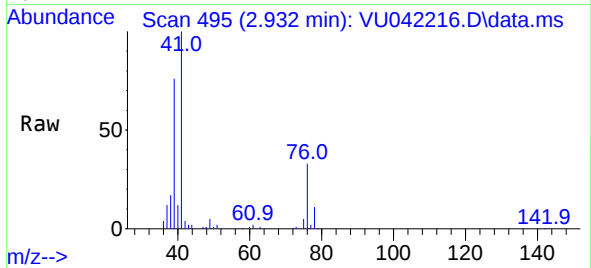
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 49615 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 47.0  | 37.1  | 55.7  |





#11  
 Allyl Chloride  
 Concen: 9.68 ug/l  
 RT: 2.932 min Scan# 495  
 Delta R.T. -0.000 min  
 Lab File: VU042216.D  
 Acq: 29 Jan 2021 09:30

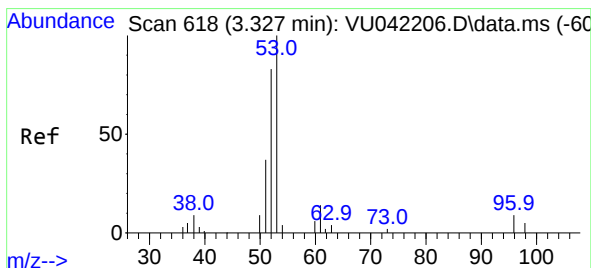
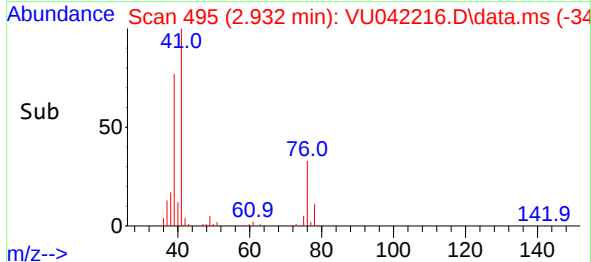
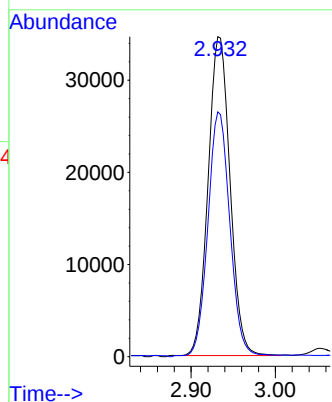
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010



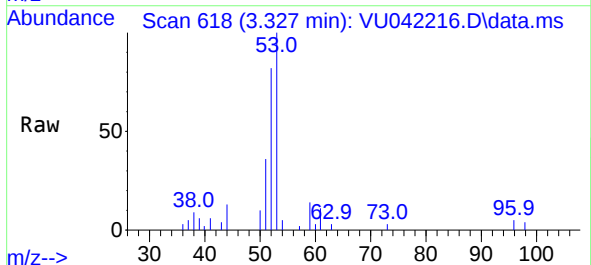
Tgt Ion: 41 Resp: 62712  
 Ion Ratio Lower Upper  
 41 100  
 39 77.2 61.8 92.6

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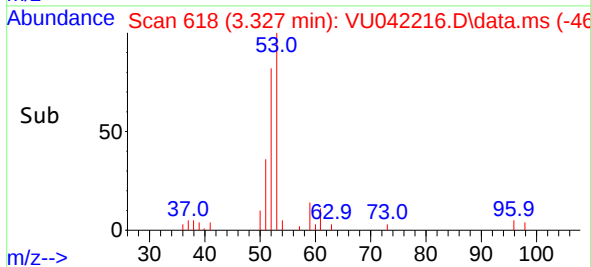
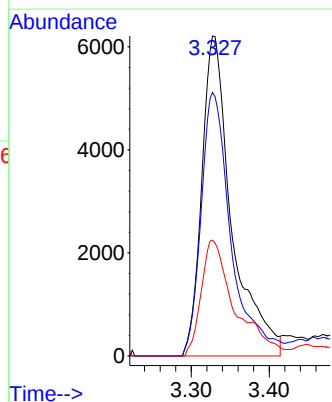
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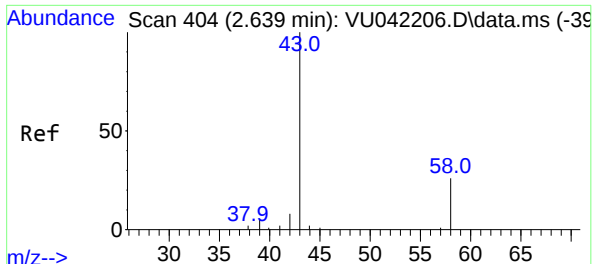


#12  
 Acrylonitrile  
 Concen: 20.40 ug/l  
 RT: 3.327 min Scan# 618  
 Delta R.T. 0.000 min  
 Lab File: VU042216.D  
 Acq: 29 Jan 2021 09:30



Tgt Ion: 53 Resp: 16629  
 Ion Ratio Lower Upper  
 53 100  
 52 82.6 63.7 95.5  
 51 41.1 32.7 49.1





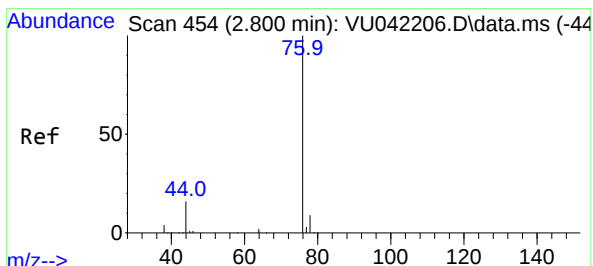
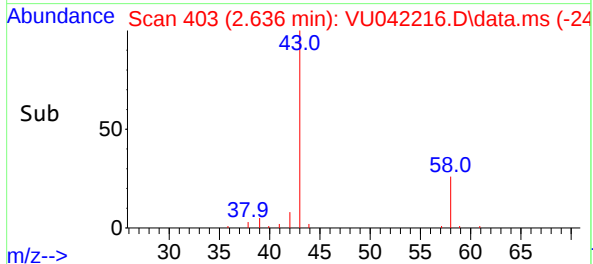
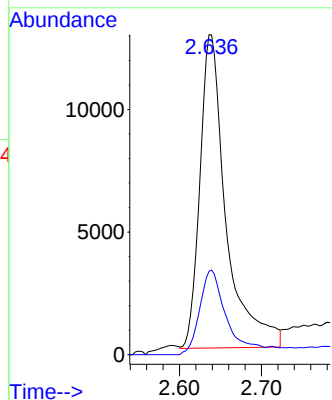
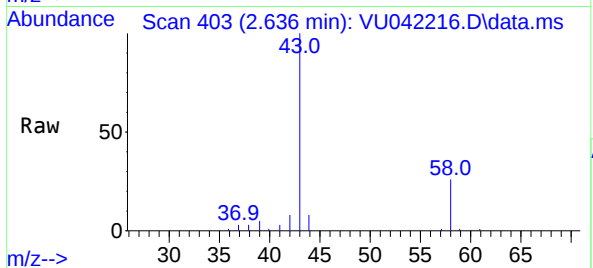
#13  
Acetone  
Concen: 52.14 ug/l  
RT: 2.636 min Scan# 403  
Delta R.T. -0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 43 Resp: 28311  
Ion Ratio Lower Upper  
43 100  
58 26.7 21.2 31.8

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

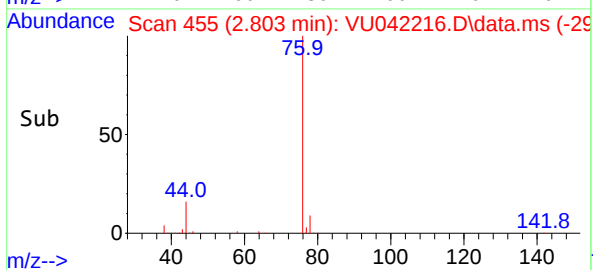
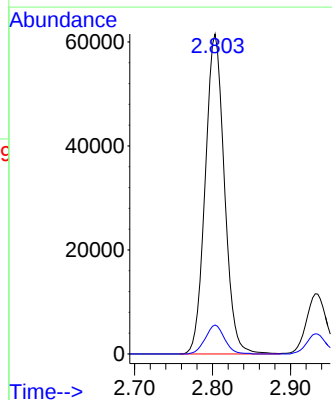
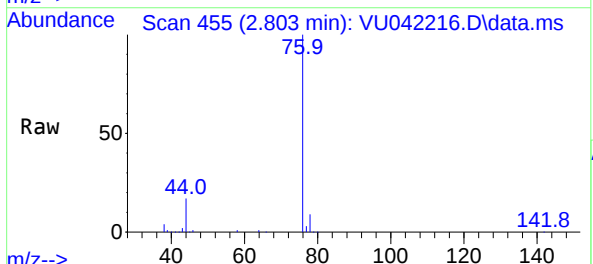
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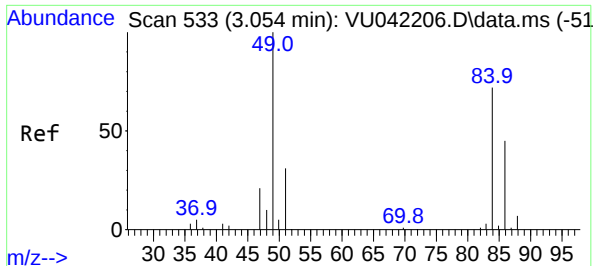
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#14  
Carbon Disulfide  
Concen: 10.10 ug/l  
RT: 2.803 min Scan# 455  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

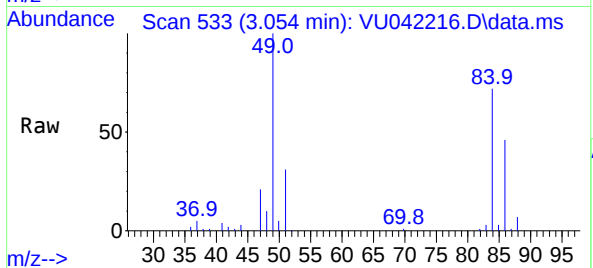
Tgt Ion: 76 Resp: 105134  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.0





#15  
Methylene Chloride  
Concen: 8.69 ug/l  
RT: 3.054 min Scan# 533  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

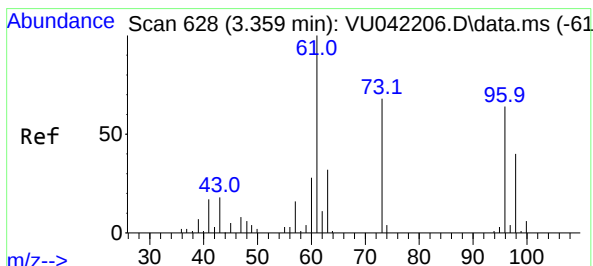
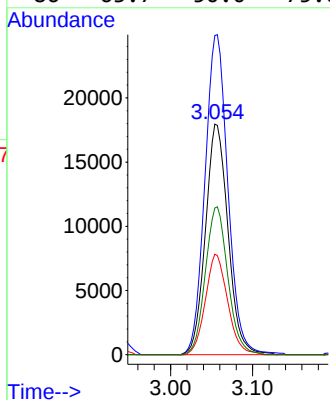


Tgt Ion: 84 Resp: 34510

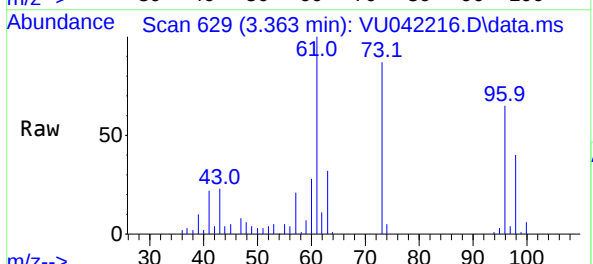
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 138.4 | 111.8 | 167.6 |
| 51  | 43.6  | 0.0   | 85.4  |
| 86  | 63.7  | 50.0  | 75.0  |

Manual Integrations  
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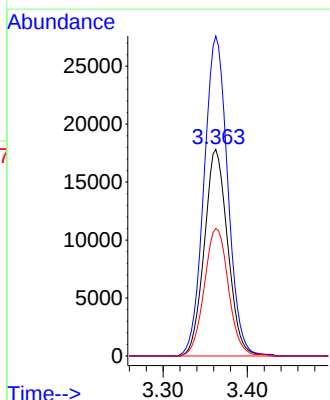
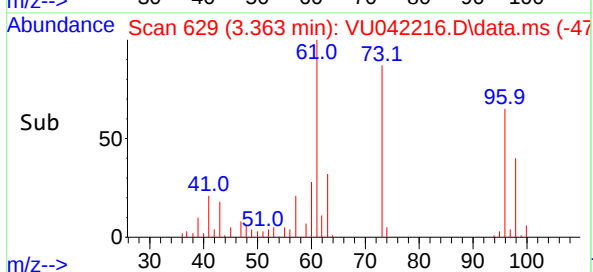


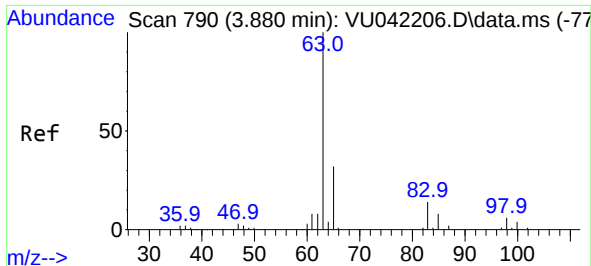
#16  
trans-1,2-Dichloroethene  
Concen: 10.07 ug/l  
RT: 3.363 min Scan# 629  
Delta R.T. 0.004 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30



Tgt Ion: 96 Resp: 34468

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 154.9 | 124.2 | 186.4 |
| 98  | 61.8  | 49.7  | 74.5  |





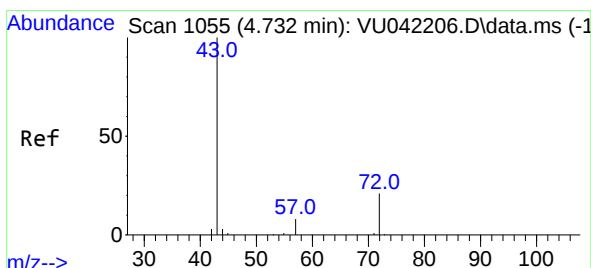
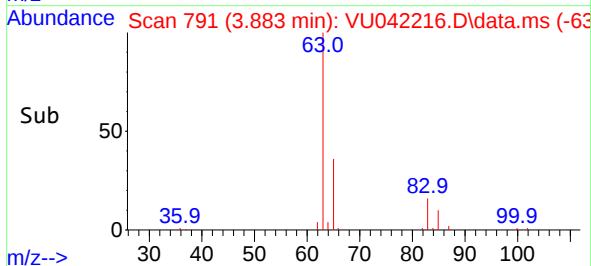
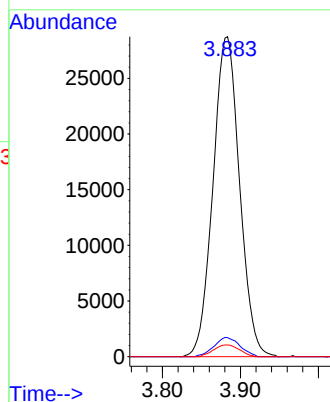
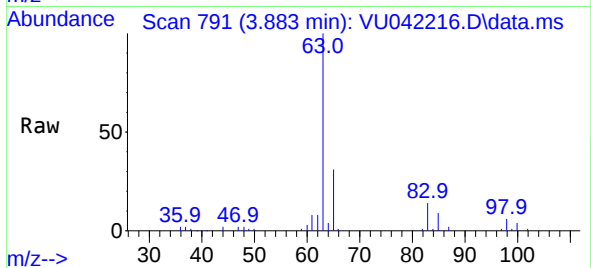
#17  
1,1-Dichloroethane  
Concen: 9.97 ug/l  
RT: 3.883 min Scan# 791  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 63 Resp: 68049  
Ion Ratio Lower Upper  
63 100  
98 6.0 3.0 9.0  
100 3.7 2.1 6.2

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

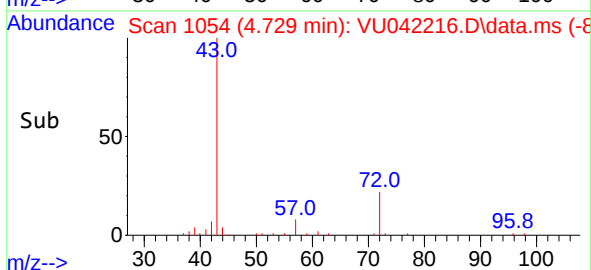
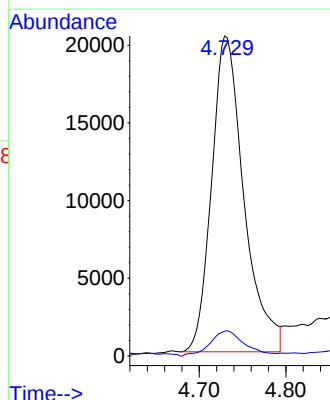
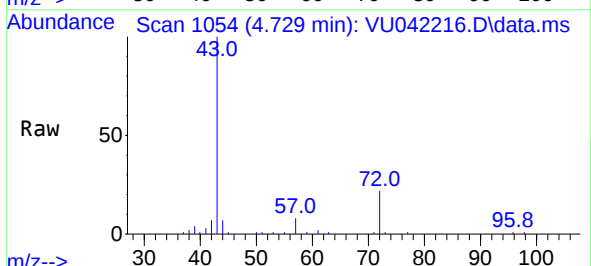
Manual Integrations  
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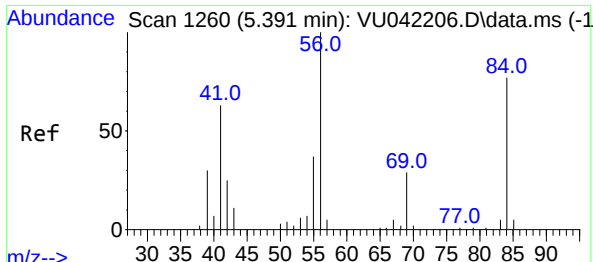
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#18  
2-Butanone  
Concen: 49.32 ug/l  
RT: 4.729 min Scan# 1054  
Delta R.T. -0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 43 Resp: 52712  
Ion Ratio Lower Upper  
43 100  
57 7.8 0.0 16.4





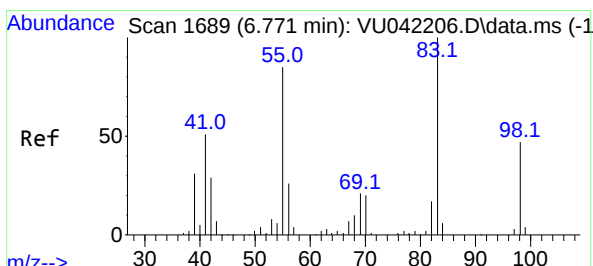
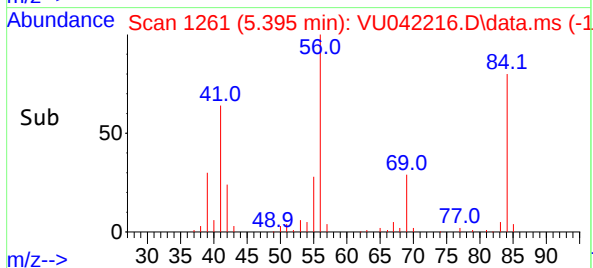
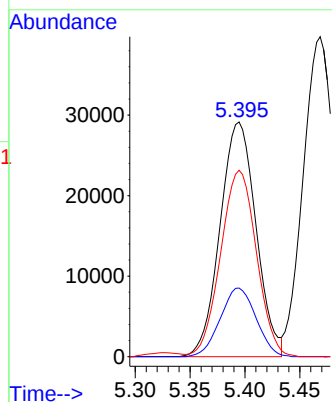
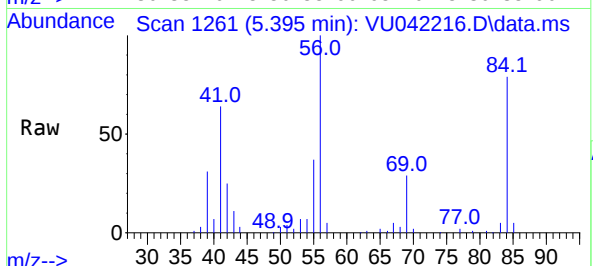
#19  
Cyclohexane  
Concen: 9.79 ug/l m  
RT: 5.395 min Scan# 1261  
Delta R.T. 0.004 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 56 Resp: 66666  
Ion Ratio Lower Upper  
56 100  
69 29.0 23.4 35.2  
84 77.8 62.0 93.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

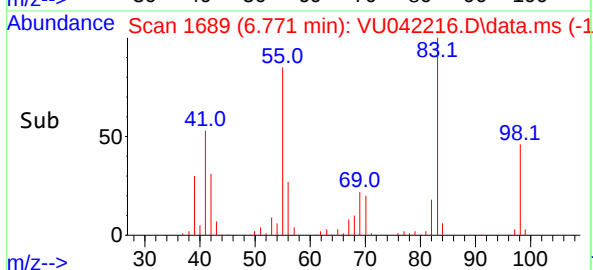
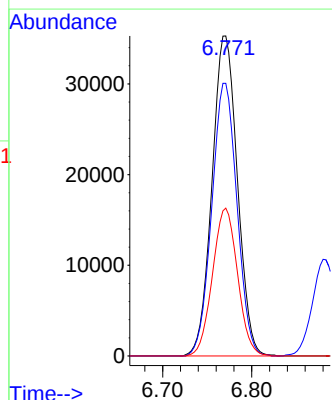
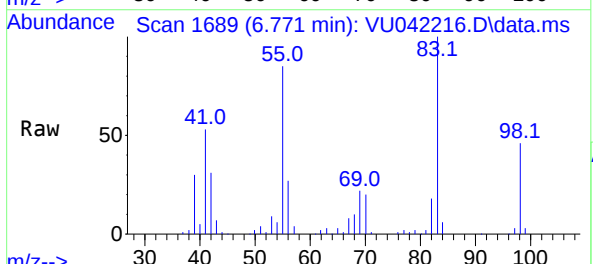
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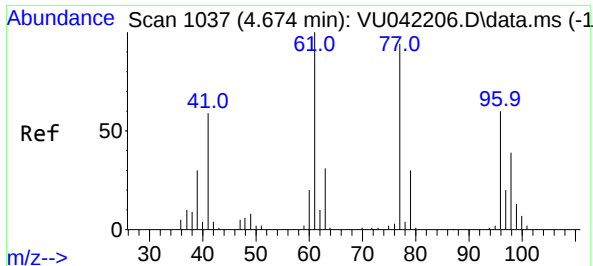
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#20  
Methylcyclohexane  
Concen: 9.93 ug/l  
RT: 6.771 min Scan# 1689  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 83 Resp: 69880  
Ion Ratio Lower Upper  
83 100  
55 84.7 68.4 102.6  
98 45.7 36.6 55.0





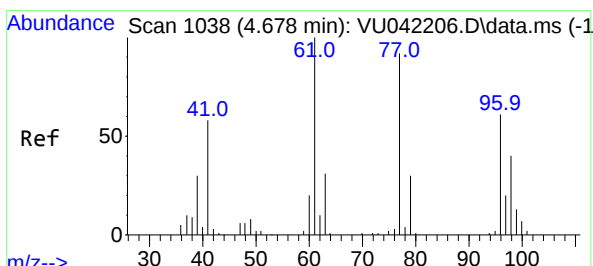
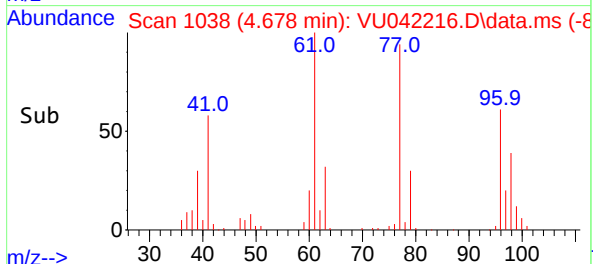
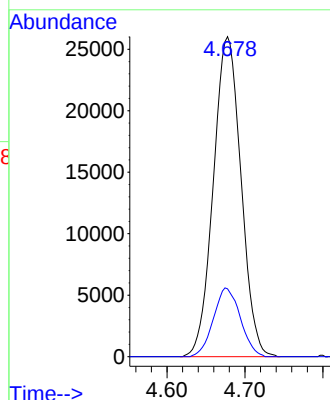
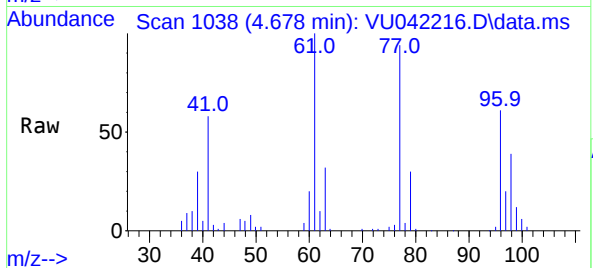
#21  
2,2-Dichloropropane  
Concen: 9.85 ug/l  
RT: 4.678 min Scan# 1038  
Delta R.T. 0.004 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 77 Resp: 64137  
Ion Ratio Lower Upper  
77 100  
97 20.9 16.9 25.3

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

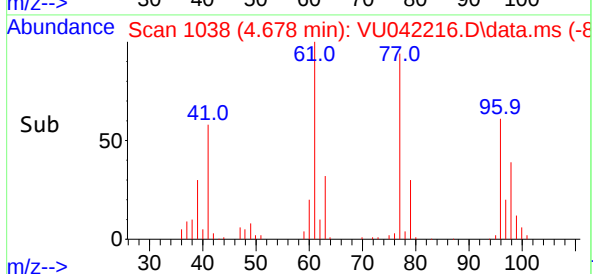
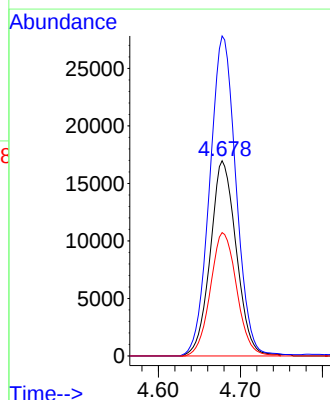
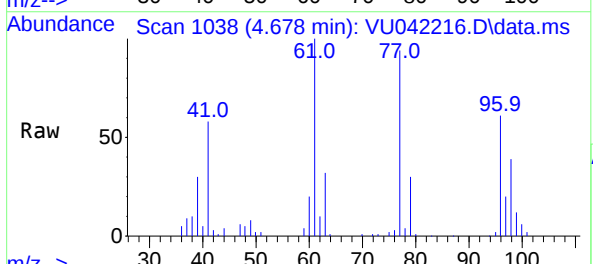
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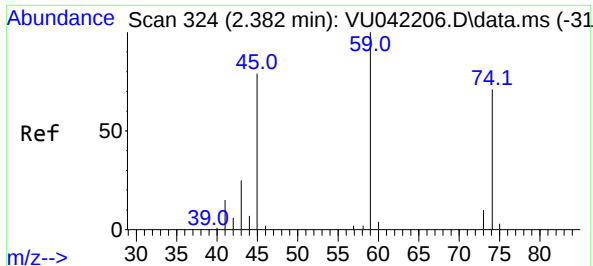
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#22  
cis-1,2-Dichloroethene  
Concen: 9.83 ug/l  
RT: 4.678 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 96 Resp: 37436  
Ion Ratio Lower Upper  
96 100  
61 166.3 0.0 416.2  
98 64.1 32.7 98.1





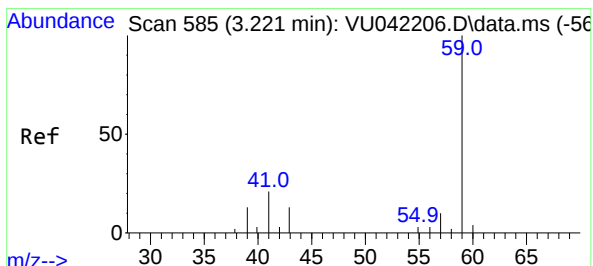
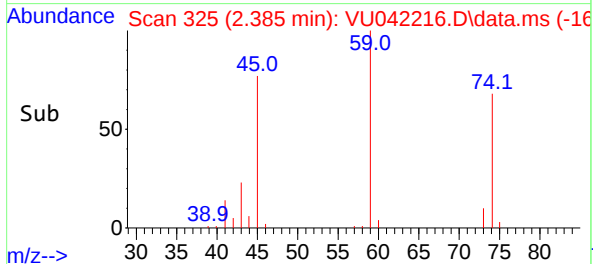
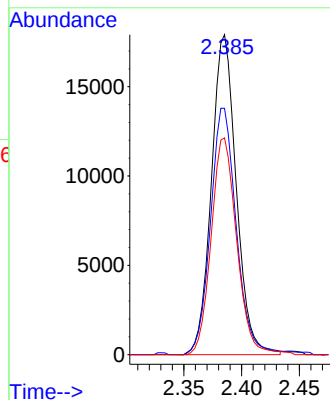
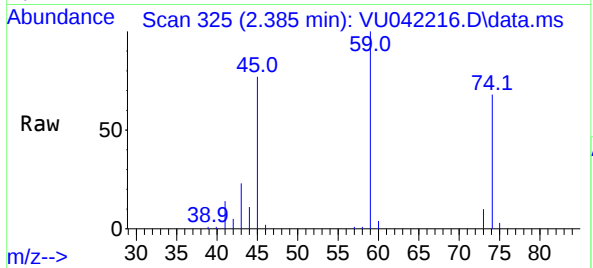
#23  
Diethyl Ether  
Concen: 10.30 ug/l  
RT: 2.385 min Scan# 325  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

|             |             |
|-------------|-------------|
| Tgt Ion: 59 | Resp: 26802 |
| Ion Ratio   | Lower Upper |
| 59 100      |             |
| 45 80.8     | 63.8 95.8   |
| 74 69.6     | 56.3 84.5   |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

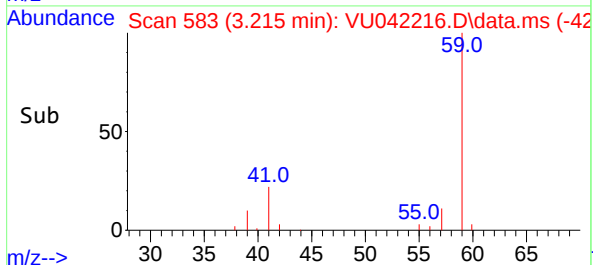
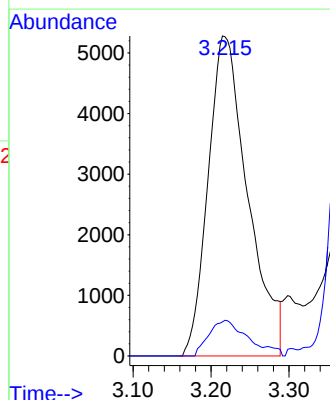
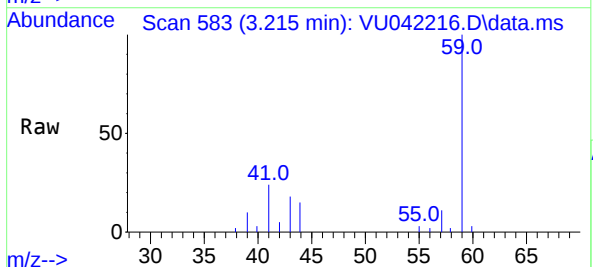
Manual Integrations  
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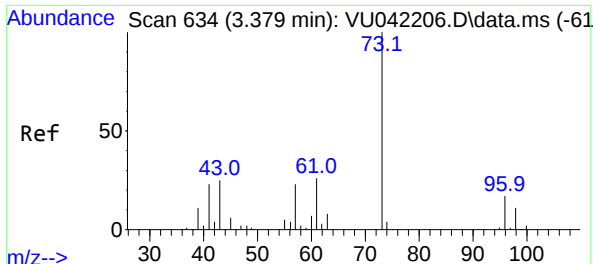
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#24  
tert-Butyl Alcohol  
Concen: 95.78 ug/l  
RT: 3.215 min Scan# 583  
Delta R.T. -0.006 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

|             |             |
|-------------|-------------|
| Tgt Ion: 59 | Resp: 18664 |
| Ion Ratio   | Lower Upper |
| 59 100      |             |
| 57 10.1     | 8.4 12.6    |





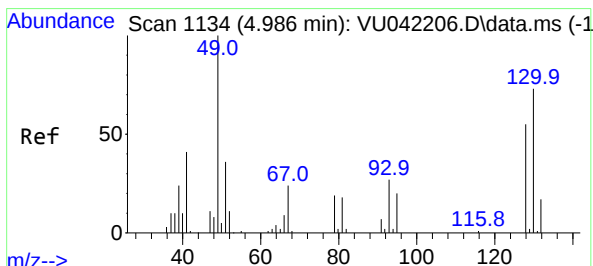
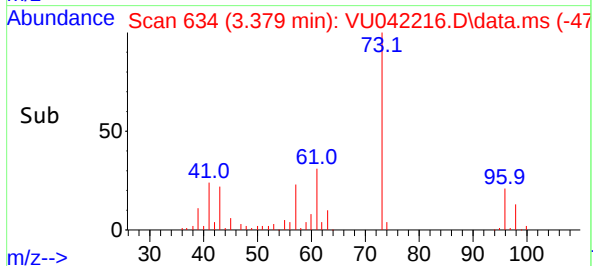
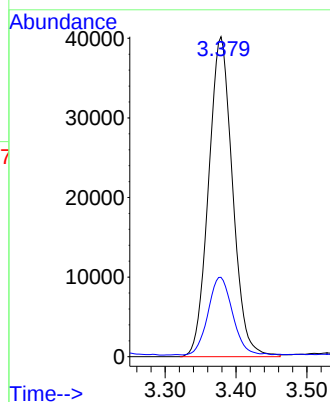
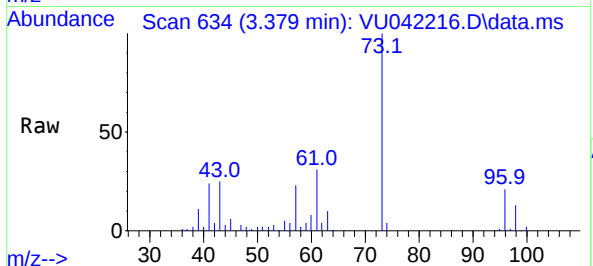
#25  
Methyl tert-Butyl Ether  
Concen: 9.99 ug/l  
RT: 3.379 min Scan# 634  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 73 Resp: 94417  
Ion Ratio Lower Upper  
73 100  
43 24.6 20.3 30.5

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDCCC010

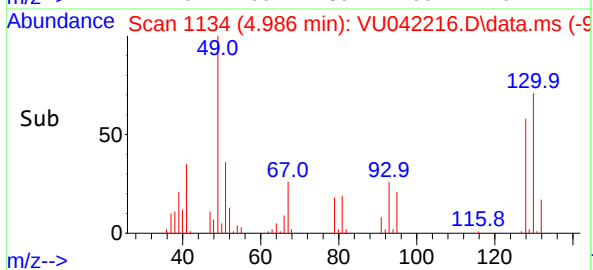
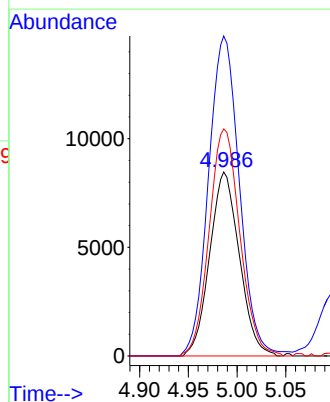
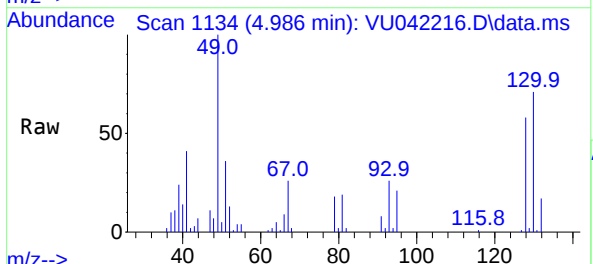
Manual Integrations  
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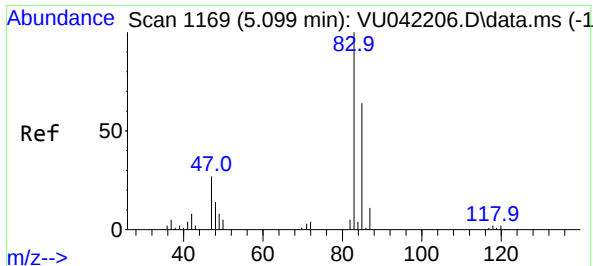
SAM  
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#26  
Bromochloromethane  
Concen: 10.39 ug/l  
RT: 4.986 min Scan# 1134  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 128 Resp: 17934  
Ion Ratio Lower Upper  
128 100  
49 181.0 0.0 360.6  
130 127.9 103.7 155.5





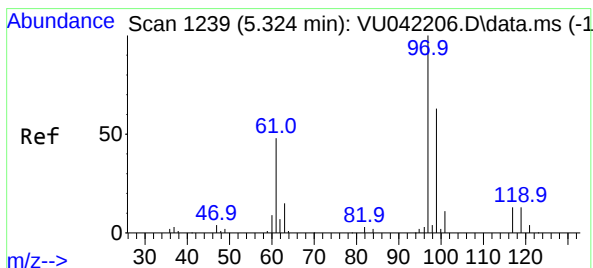
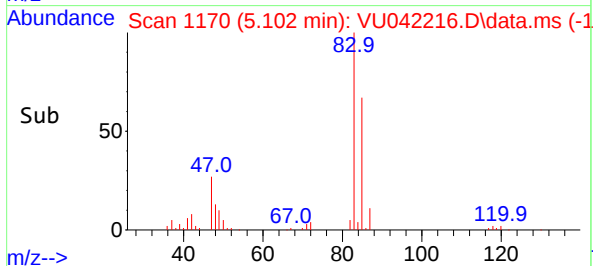
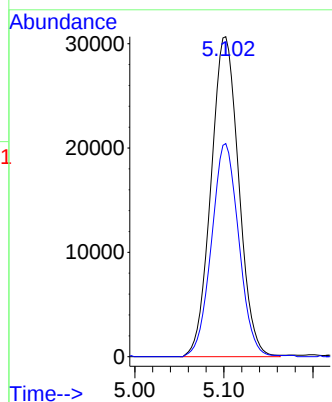
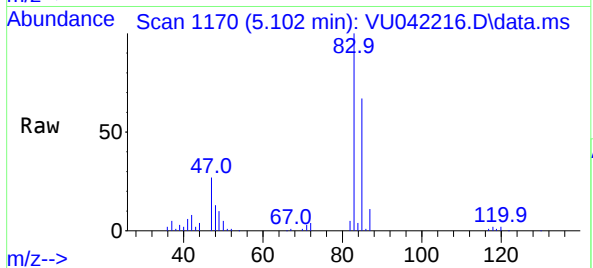
#27  
Chloroform  
Concen: 9.81 ug/l  
RT: 5.102 min Scan# 1170  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 83 Resp: 66309  
Ion Ratio Lower Upper  
83 100  
85 66.6 0.0 128.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

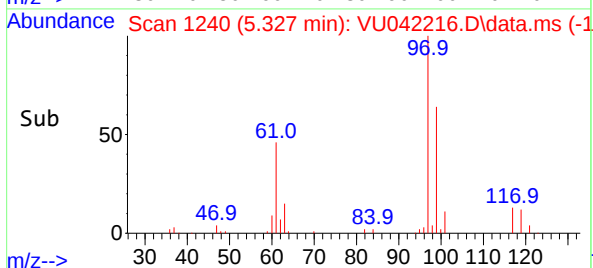
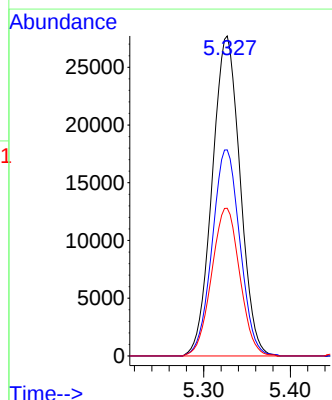
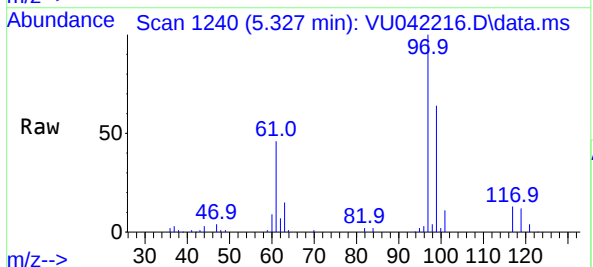
Manual Integrations  
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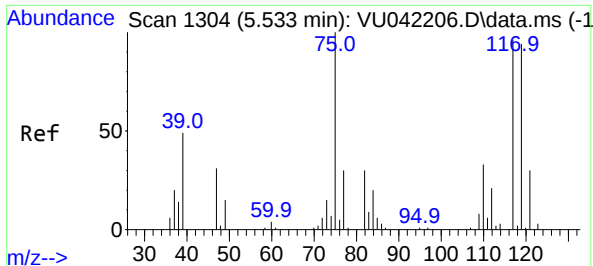
SAM  
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#28  
1,1,1-Trichloroethane  
Concen: 9.91 ug/l  
RT: 5.327 min Scan# 1240  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 97 Resp: 61988  
Ion Ratio Lower Upper  
97 100  
99 64.3 31.9 95.7  
61 46.7 23.3 69.8





#29  
1,1-Dichloropropene  
Concen: 9.91 ug/l  
RT: 5.533 min Scan# 1304  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

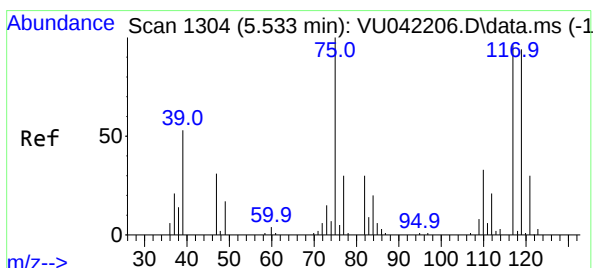
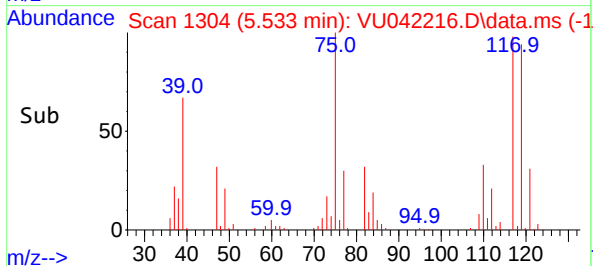
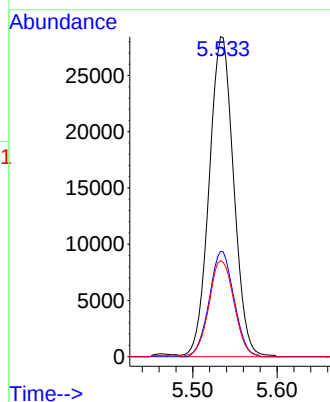
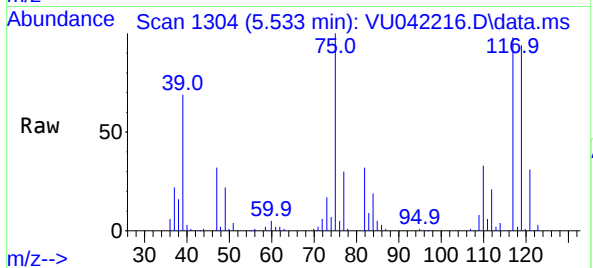
Tgt Ion: 75 Resp: 57504

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 33.1  | 16.4  | 49.2  |
| 77  | 30.7  | 24.6  | 36.8  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Manual Integrations  
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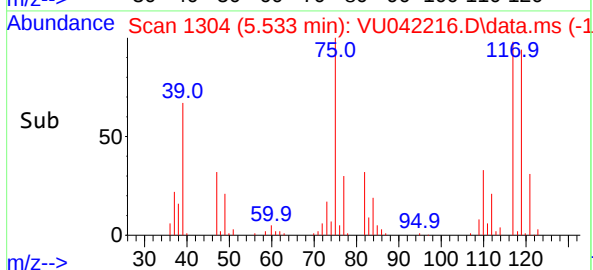
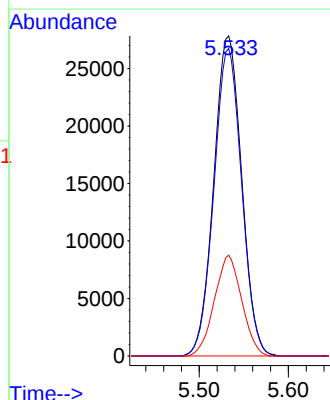
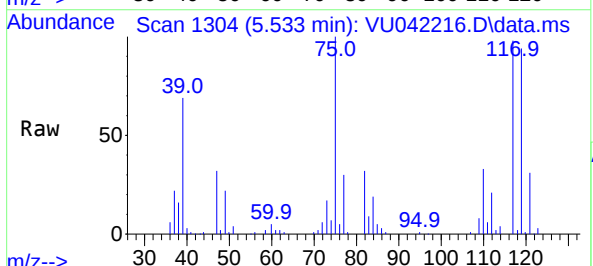
SAM  
2/4/2021 1:04:29 PM

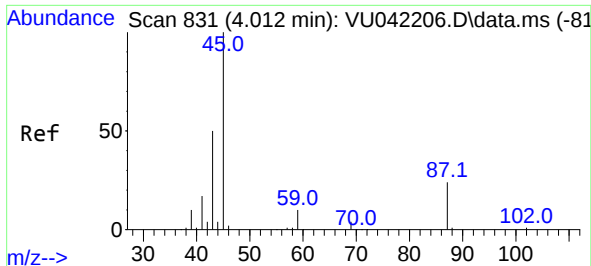


#30  
Carbon Tetrachloride  
Concen: 10.23 ug/l  
RT: 5.533 min Scan# 1304  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 117 Resp: 60510

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.1  | 78.1  | 117.1 |
| 121 | 31.5  | 25.1  | 37.7  |





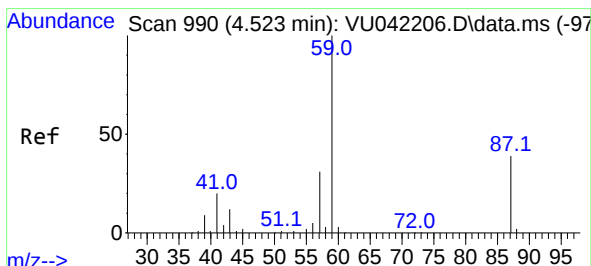
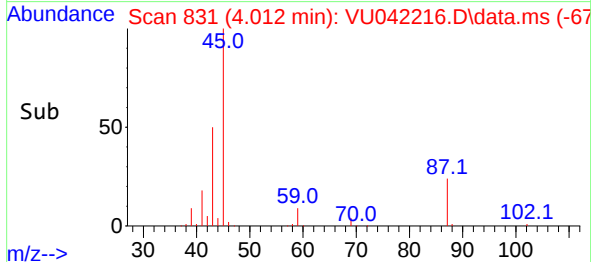
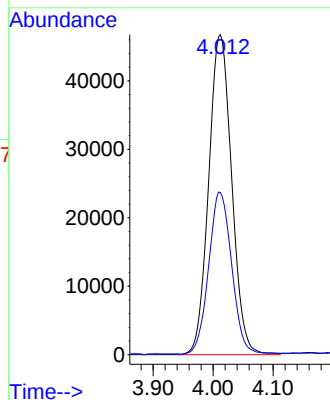
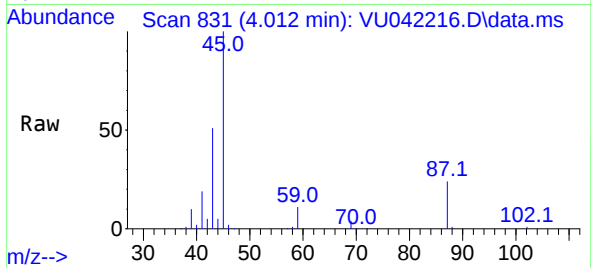
#31  
Isopropyl Ether  
Concen: 9.81 ug/l  
RT: 4.012 min Scan# 831  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 45 Resp: 124735  
Ion Ratio Lower Upper  
45 100  
43 50.4 25.4 76.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

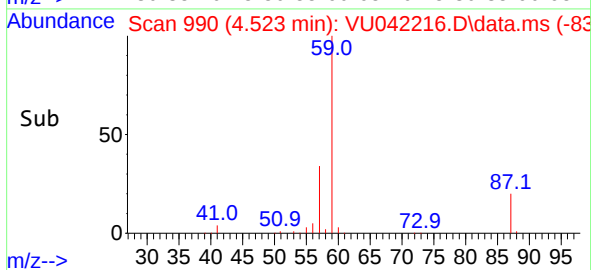
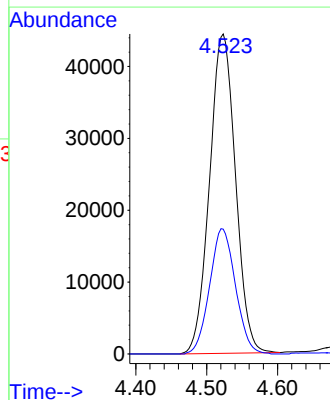
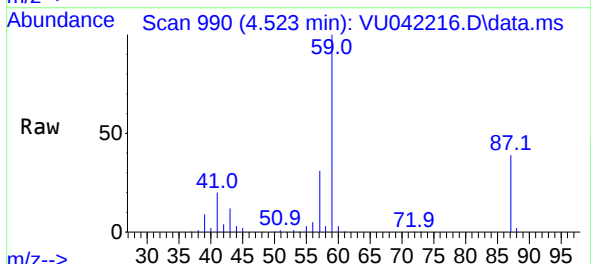
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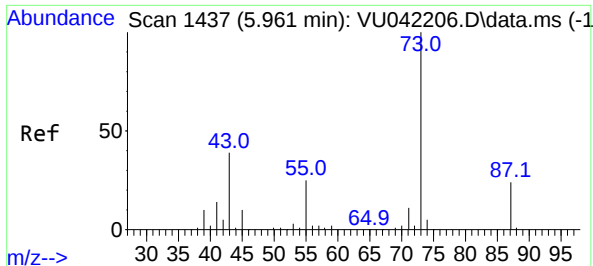
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#32  
Ethyl-t-butyl ether  
Concen: 9.88 ug/l  
RT: 4.523 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 59 Resp: 112915  
Ion Ratio Lower Upper  
59 100  
87 39.1 31.0 46.4





#33  
Tert-Amyl methyl ether  
Concen: 9.76 ug/l  
RT: 5.961 min Scan# 1437  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

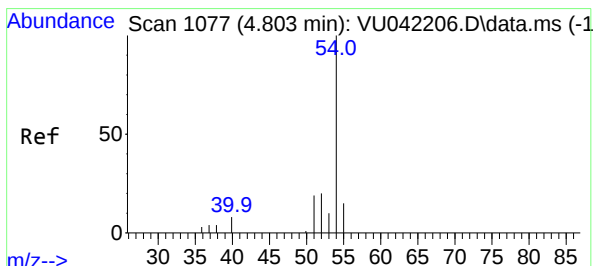
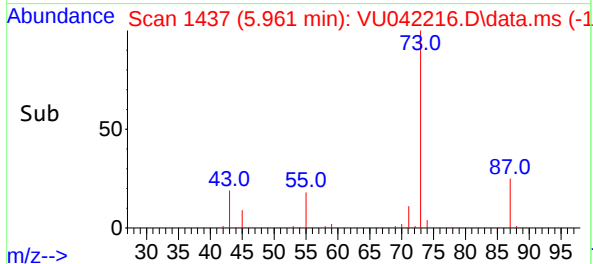
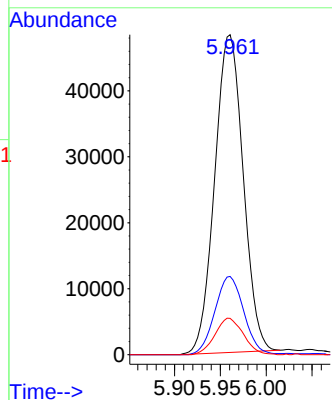
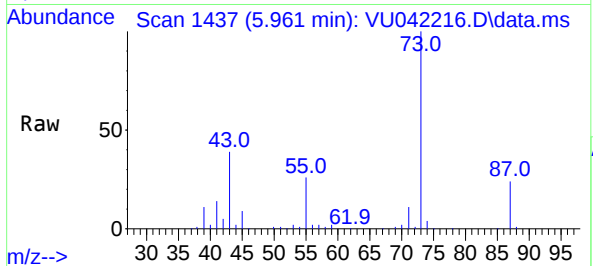
Tgt Ion: 73 Resp: 104283

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 87  | 24.5  | 19.4  | 29.2  |
| 71  | 11.4  | 9.0   | 13.6  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Manual Integrations  
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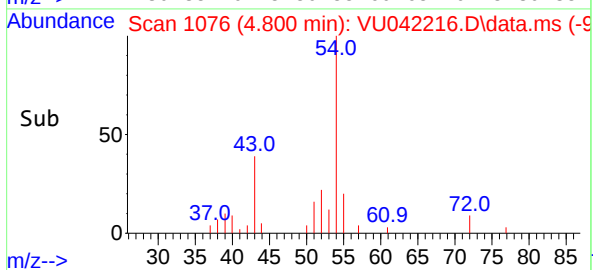
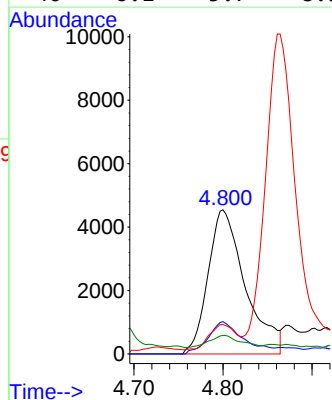
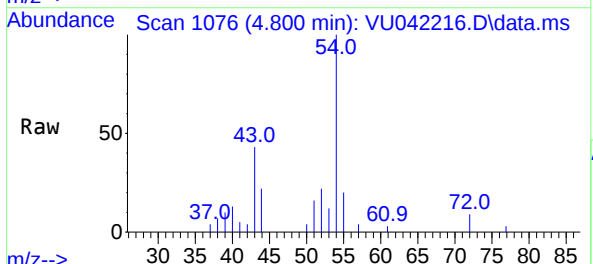
SAM  
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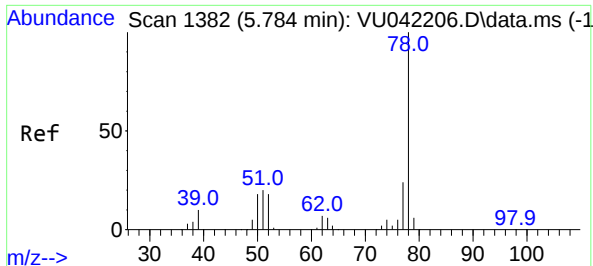


#34  
Propionitrile  
Concen: 48.69 ug/l  
RT: 4.800 min Scan# 1076  
Delta R.T. -0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 54 Resp: 13243

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 54  | 100   |       |       |
| 52  | 21.0  | 14.8  | 22.2  |
| 55  | 12.0  | 7.4   | 11.2  |
| 40  | 6.1   | 5.7   | 8.5   |





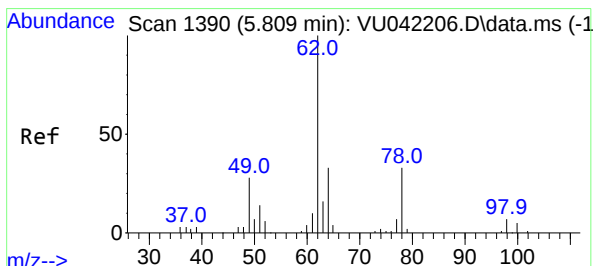
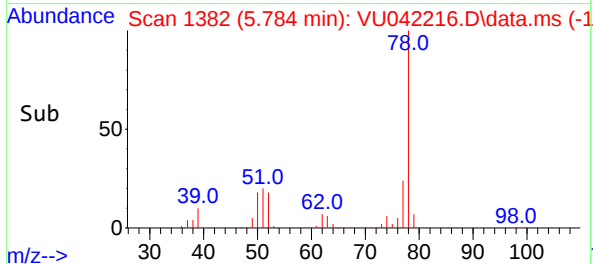
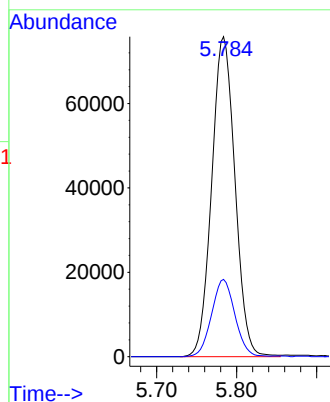
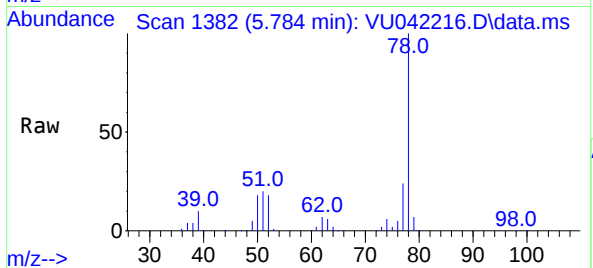
#35  
Benzene  
Concen: 9.92 ug/l  
RT: 5.784 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 78 Resp: 153121  
Ion Ratio Lower Upper  
78 100  
77 24.2 19.4 29.2

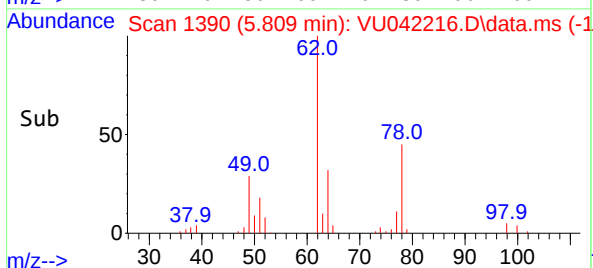
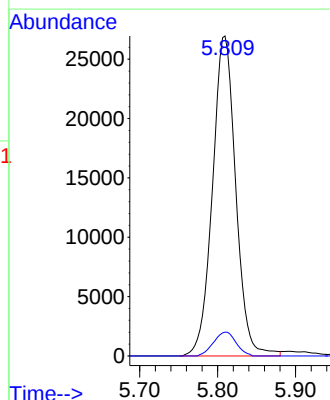
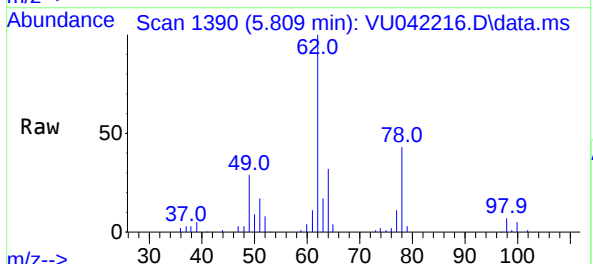
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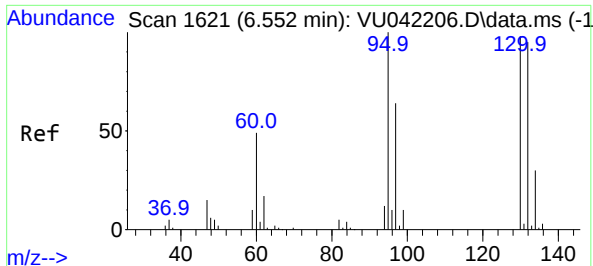
SAM  
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#36  
1,2-Dichloroethane  
Concen: 10.06 ug/l  
RT: 5.809 min Scan# 1390  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 62 Resp: 56063  
Ion Ratio Lower Upper  
62 100  
98 7.2 5.8 8.8





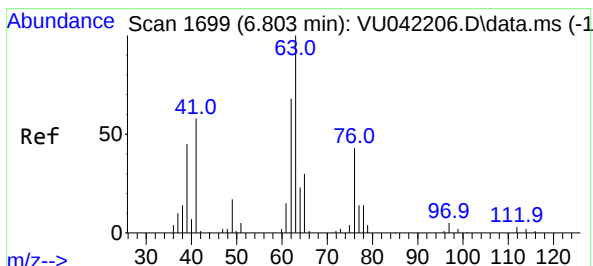
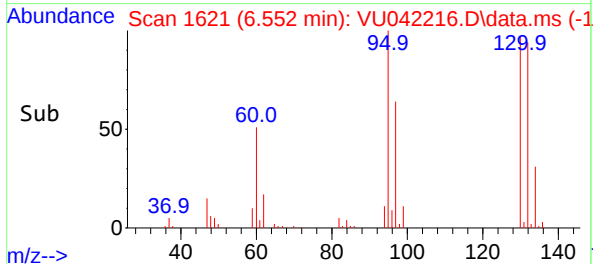
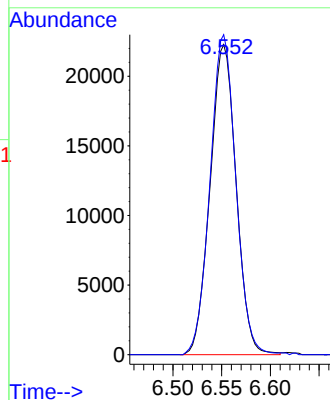
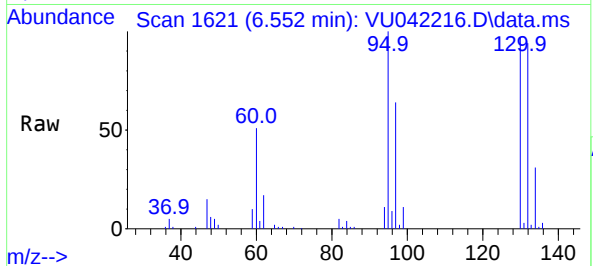
#37  
Trichloroethene  
Concen: 10.00 ug/l  
RT: 6.552 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:130 Resp: 41430  
Ion Ratio Lower Upper  
130 100  
95 103.2 81.4 122.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

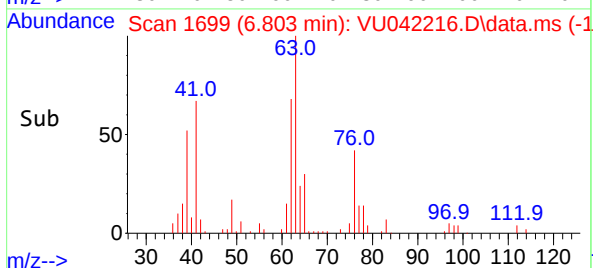
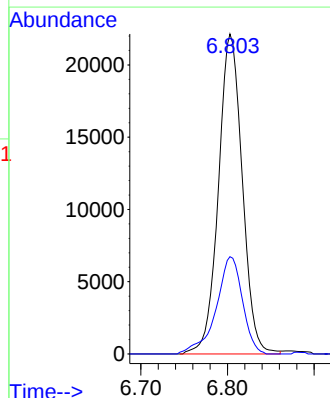
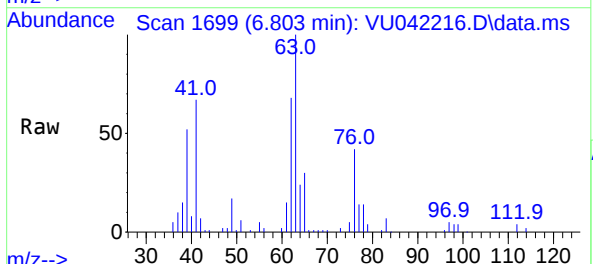
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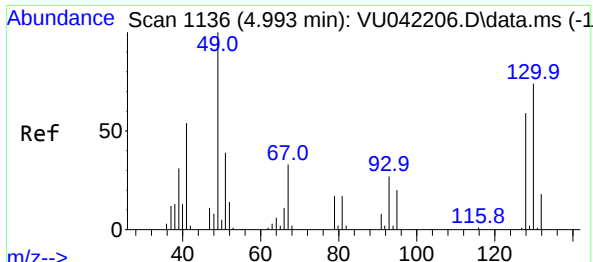
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#38  
1,2-Dichloropropane  
Concen: 10.06 ug/l  
RT: 6.803 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 63 Resp: 42317  
Ion Ratio Lower Upper  
63 100  
65 30.4 23.8 35.6





#39

Methacrylonitrile

Concen: 10.32 ug/l

RT: 4.996 min Scan# 1137

Delta R.T. 0.003 min

Lab File: VU042216.D

Acq: 29 Jan 2021 09:30

Tgt Ion: 41 Resp: 16367

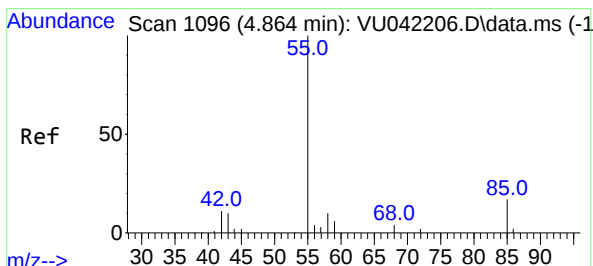
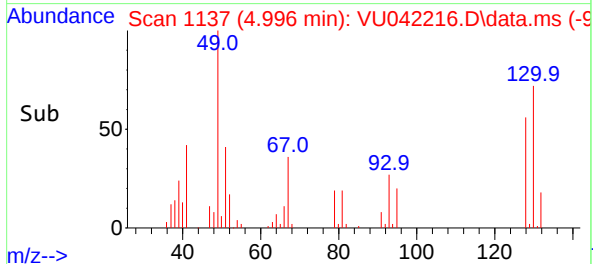
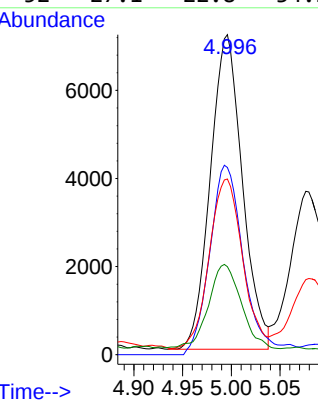
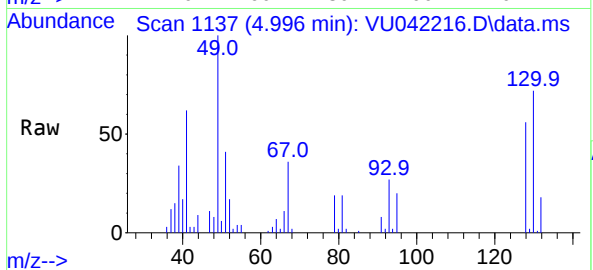
Ion Ratio Lower Upper

41 100

67 62.6 50.4 75.6

39 55.5 44.4 66.6

52 27.1 22.8 34.2



#40

Methyl acrylate

Concen: 10.26 ug/l

RT: 4.861 min Scan# 1095

Delta R.T. -0.003 min

Lab File: VU042216.D

Acq: 29 Jan 2021 09:30

Tgt Ion: 55 Resp: 21992

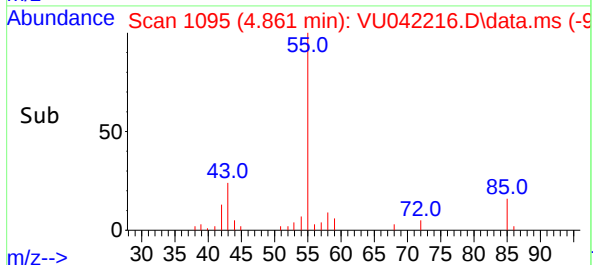
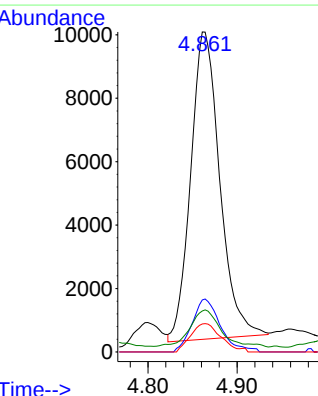
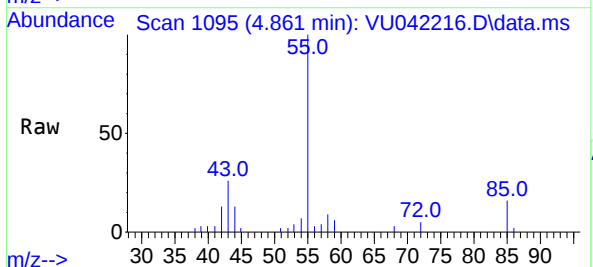
Ion Ratio Lower Upper

55 100

85 16.8 12.5 18.7

58 9.6 7.2 10.8

42 14.0 10.6 16.0



Instrument :

MSVOA\_U

ClientSampled :

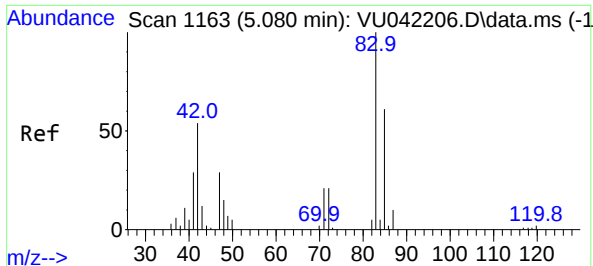
VSTDCCC010

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#41

Tetrahydrofuran

Concen: 20.84 ug/l

RT: 5.080 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VU042216.D

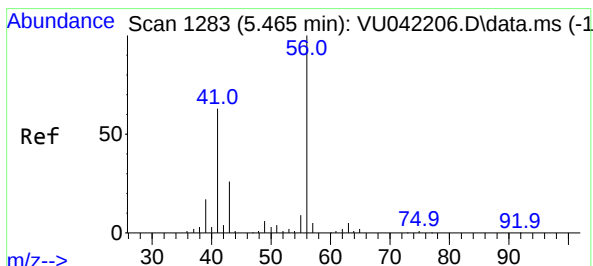
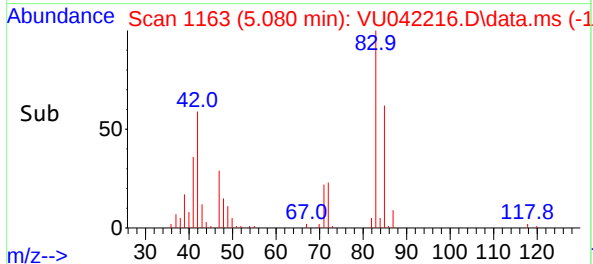
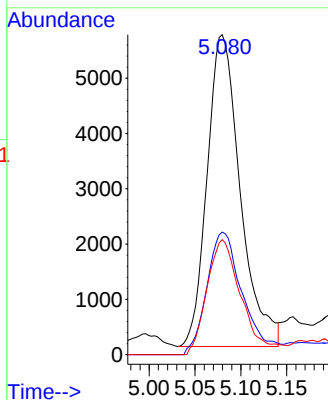
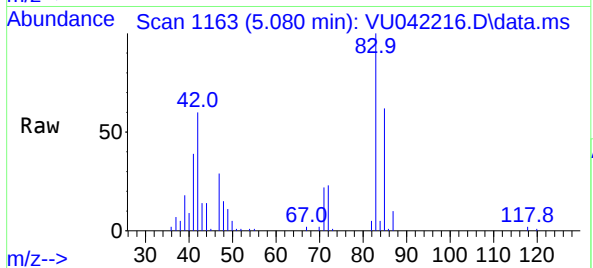
Acq: 29 Jan 2021 09:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 14181 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 42.4  | 33.1  | 49.7  |
| 71       | 38.7  | 29.8  | 44.6  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

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#42

1-Chlorobutane

Concen: 9.53 ug/l

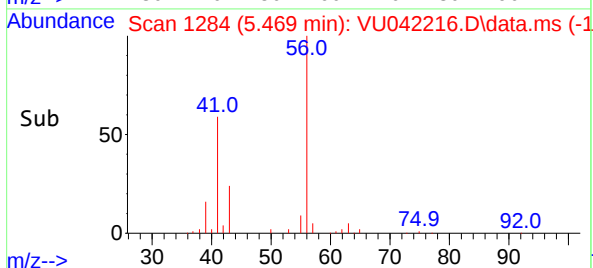
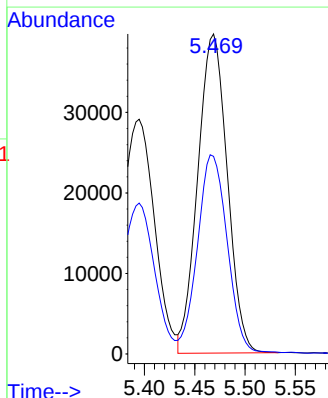
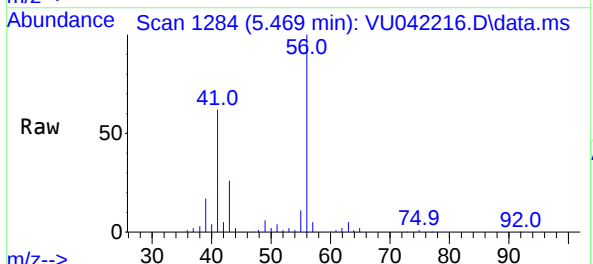
RT: 5.469 min Scan# 1284

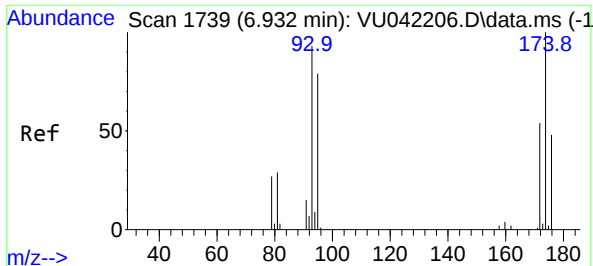
Delta R.T. 0.004 min

Lab File: VU042216.D

Acq: 29 Jan 2021 09:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 80792 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 41       | 62.4  | 30.3  | 91.0  |





#43

Dibromomethane

Concen: 10.52 ug/l

RT: 6.928 min Scan# 1738

Delta R.T. -0.004 min

Lab File: VU042216.D

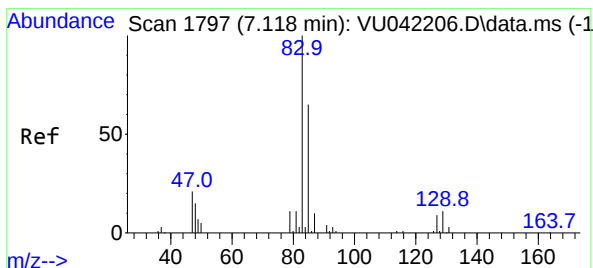
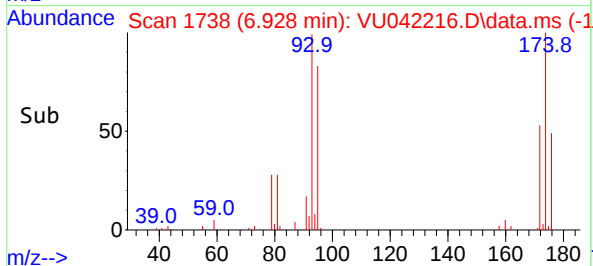
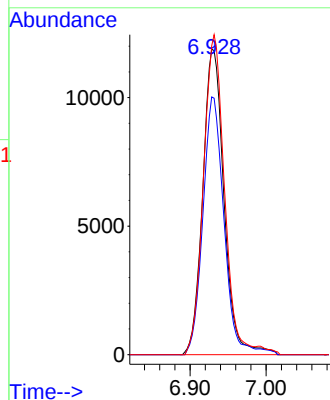
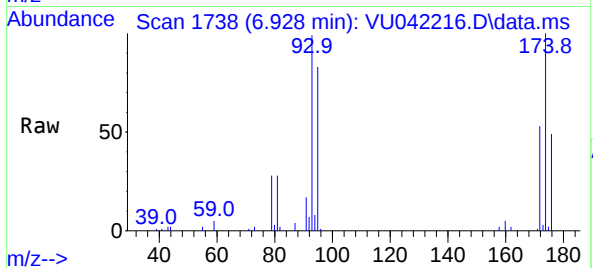
Acq: 29 Jan 2021 09:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 23179 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 95       | 83.8  | 66.7  | 100.1 |
| 174      | 102.1 | 84.2  | 126.4 |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

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#44

Bromodichloromethane

Concen: 10.48 ug/l

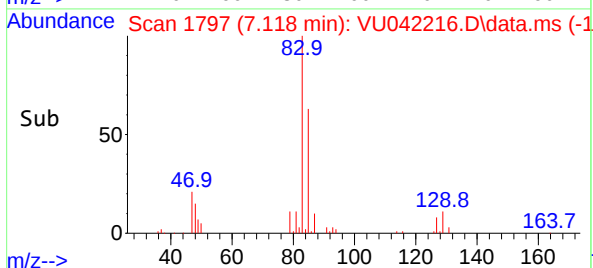
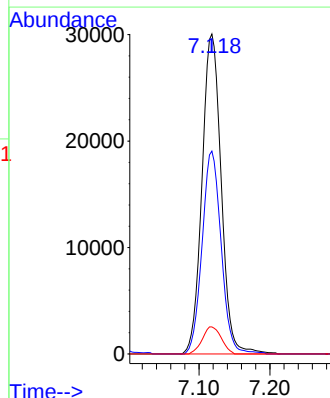
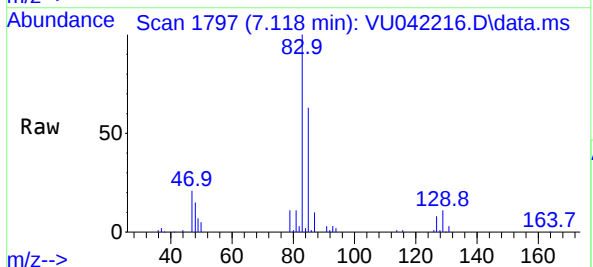
RT: 7.118 min Scan# 1797

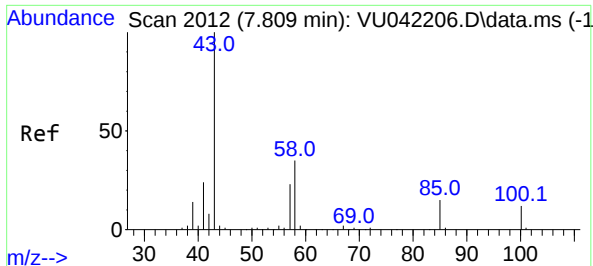
Delta R.T. 0.000 min

Lab File: VU042216.D

Acq: 29 Jan 2021 09:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 56537 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.4  | 51.7  | 77.5  |
| 127      | 8.5   | 7.2   | 10.8  |





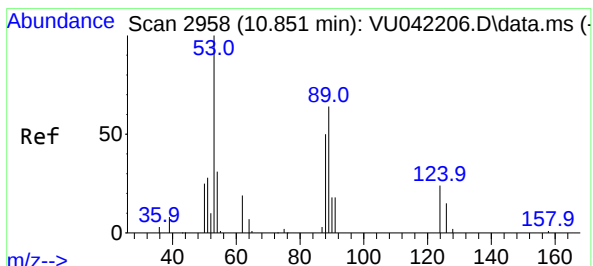
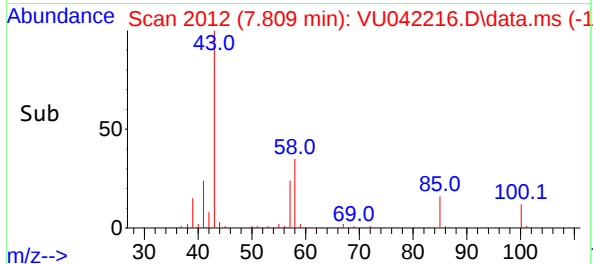
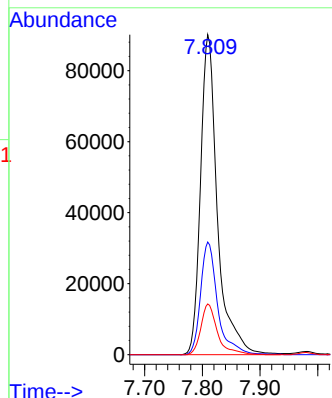
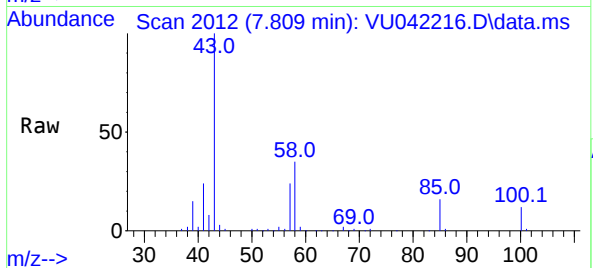
#45  
4-Methyl-2-Pentanone  
Concen: 50.05 ug/l  
RT: 7.809 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 43 Resp: 183347  
Ion Ratio Lower Upper  
43 100  
58 35.4 17.5 52.5  
85 15.6 12.1 18.1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

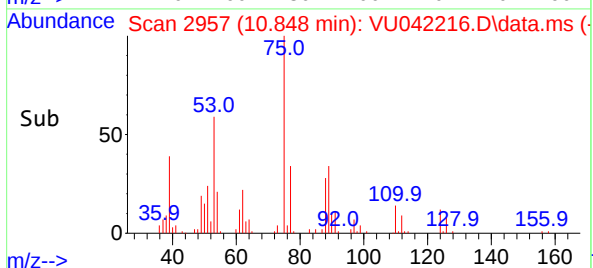
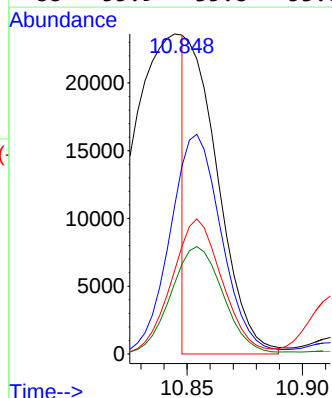
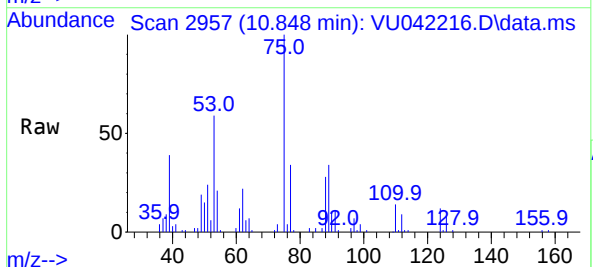
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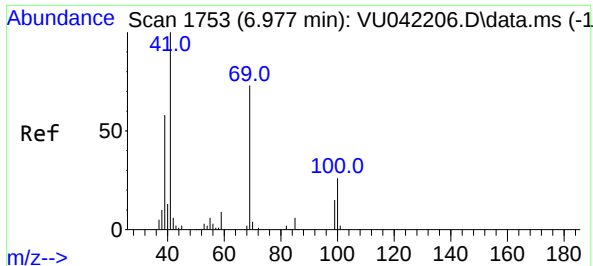
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#46  
t-1,4-Dichloro-2-butene  
Concen: 19.14 ug/l m  
RT: 10.848 min Scan# 2957  
Delta R.T. -0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 75 Resp: 22526  
Ion Ratio Lower Upper  
75 100  
53 112.5 75.9 113.9  
89 67.6 45.1 67.7  
88 55.9 35.8 53.8#

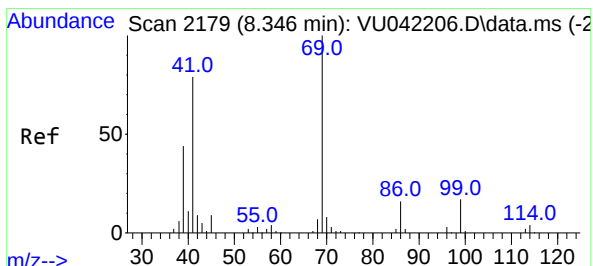
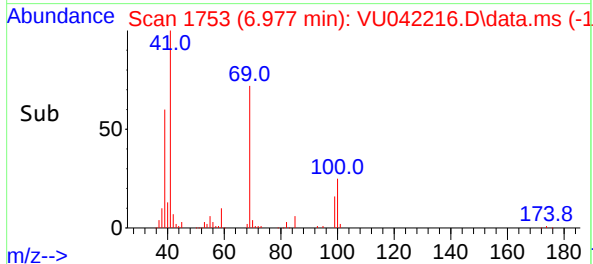
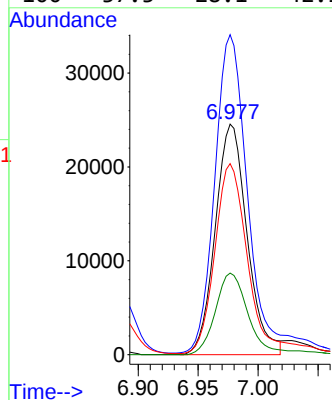
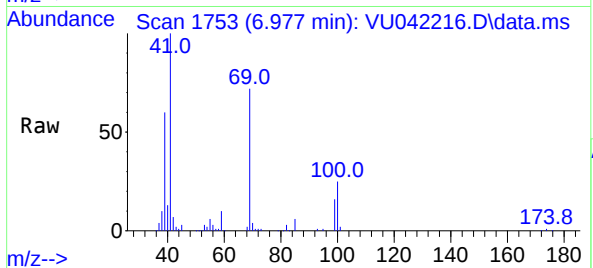




#47

Methyl methacrylate  
Concen: 19.87 ug/l  
RT: 6.977 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

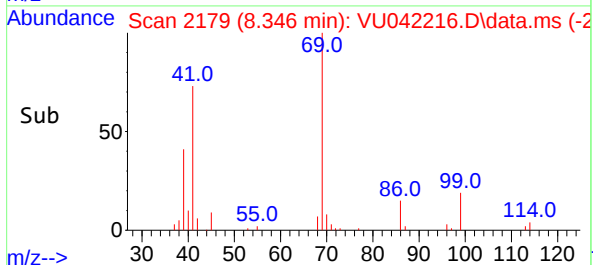
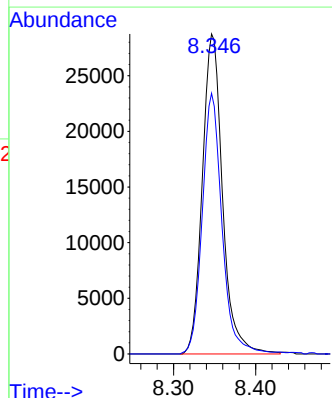
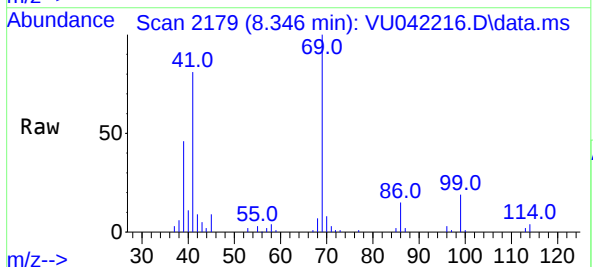
Tgt Ion: 69 Resp: 45330  
Ion Ratio Lower Upper  
69 100  
41 145.8 0.0 277.0  
39 86.8 67.1 100.7  
100 37.3 28.1 42.1



#48

Ethyl methacrylate  
Concen: 10.19 ug/l  
RT: 8.346 min Scan# 2179  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

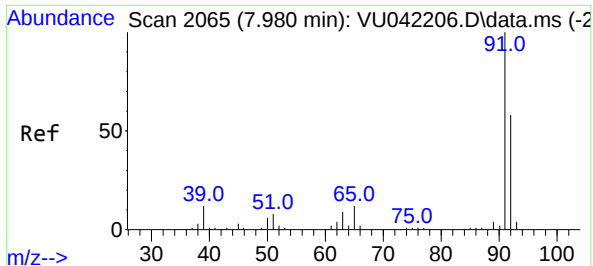
Tgt Ion: 69 Resp: 49195  
Ion Ratio Lower Upper  
69 100  
41 79.6 40.1 120.2



Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

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#49

Toluene

Concen: 10.05 ug/l

RT: 7.980 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VU042216.D

Acq: 29 Jan 2021 09:30

Tgt Ion: 92 Resp: 96540

Ion Ratio Lower Upper

92 100

91 176.6 139.6 209.4

Instrument :

MSVOA\_U

ClientSampleId :

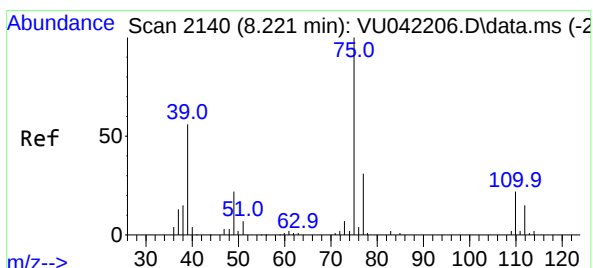
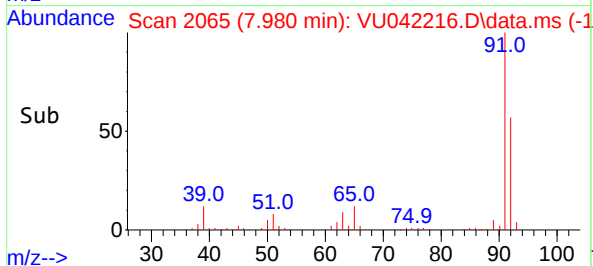
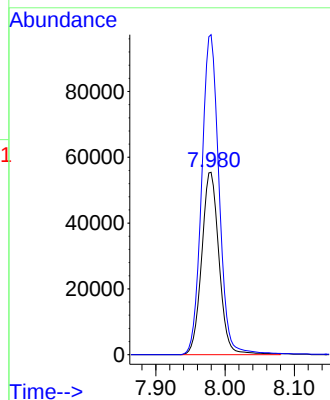
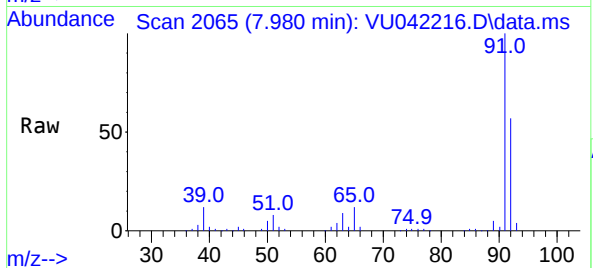
VSTDCCC010

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#50

t-1,3-Dichloropropene

Concen: 10.73 ug/l

RT: 8.221 min Scan# 2140

Delta R.T. -0.000 min

Lab File: VU042216.D

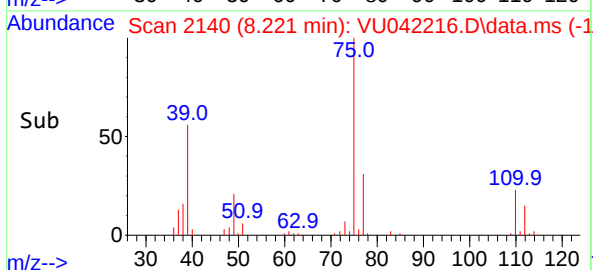
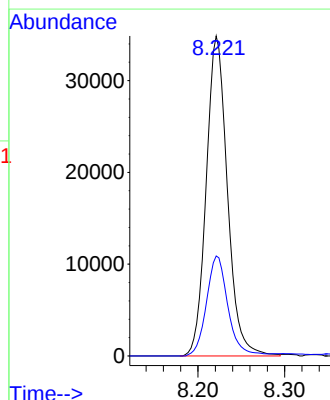
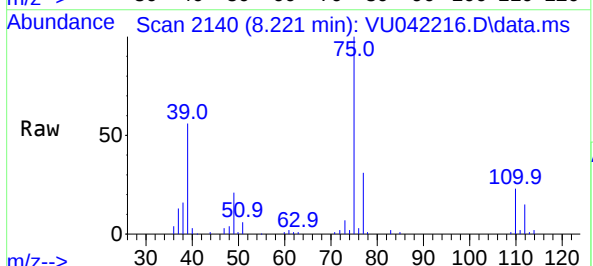
Acq: 29 Jan 2021 09:30

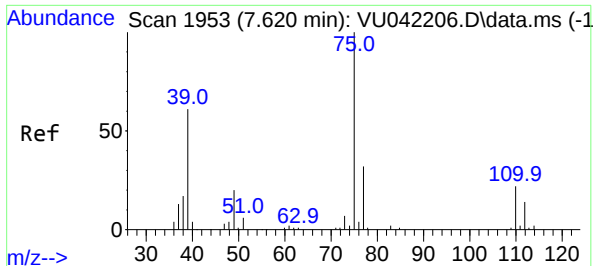
Tgt Ion: 75 Resp: 59242

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3





#51  
cis-1,3-Dichloropropene  
Concen: 10.44 ug/l  
RT: 7.620 min Scan# 1953  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

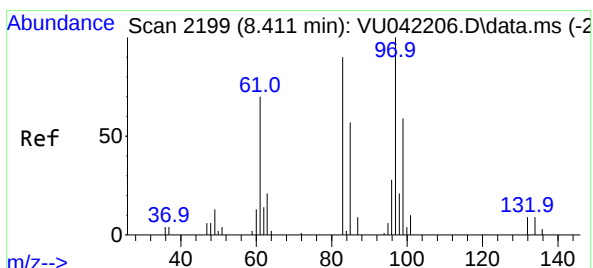
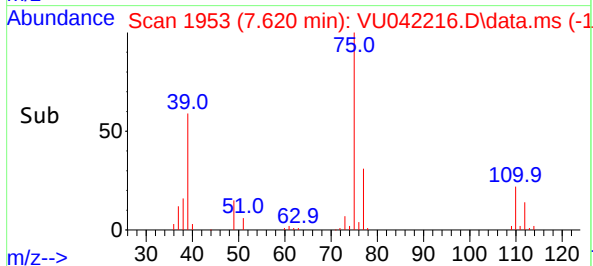
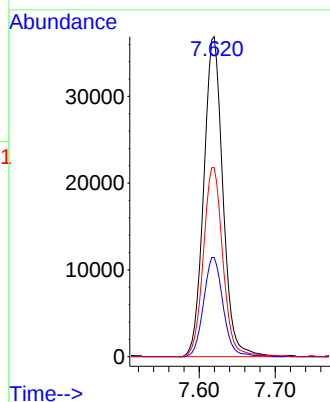
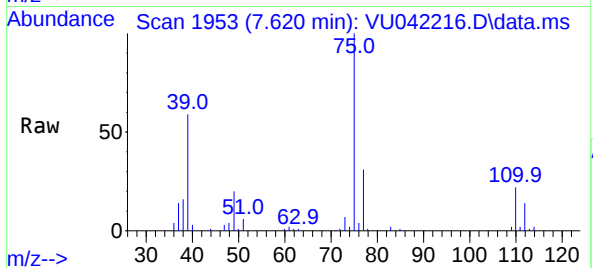
Tgt Ion: 75 Resp: 64613

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 31.0  | 25.6  | 38.4  |
| 39  | 59.1  | 48.6  | 72.8  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

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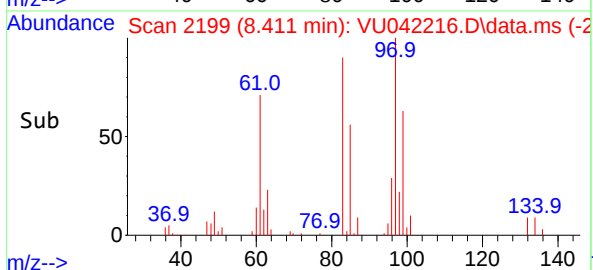
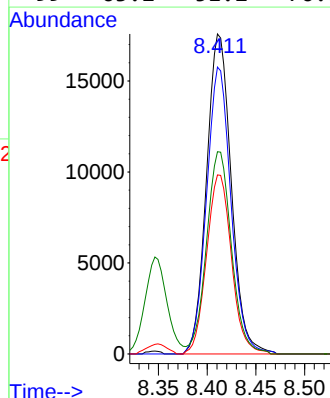
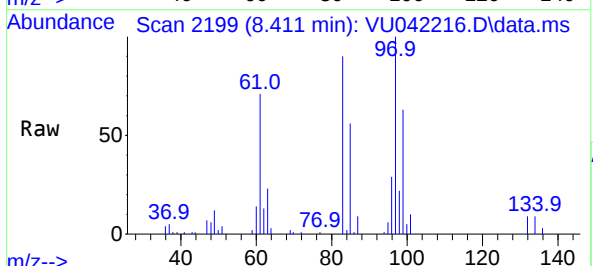
SAM  
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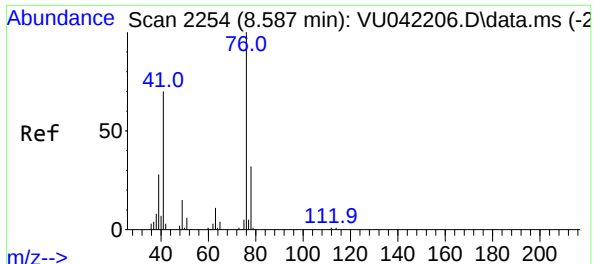


#52  
1,1,2-Trichloroethane  
Concen: 10.32 ug/l  
RT: 8.411 min Scan# 2199  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 97 Resp: 31101

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 89.6  | 71.9  | 107.9 |
| 85  | 56.0  | 46.2  | 69.4  |
| 99  | 63.2  | 51.2  | 76.8  |





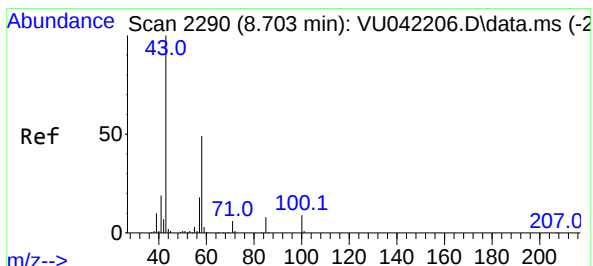
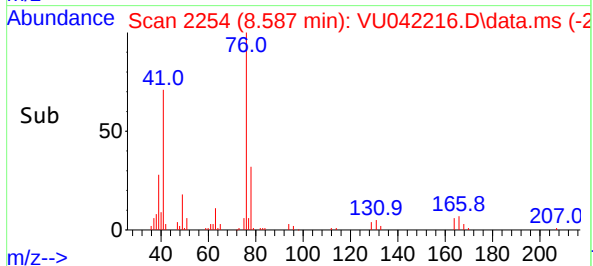
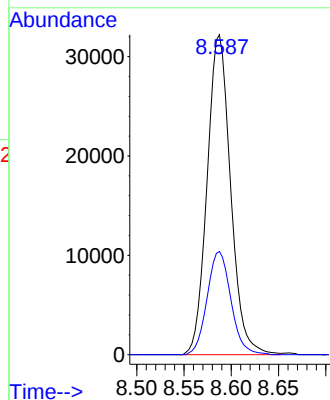
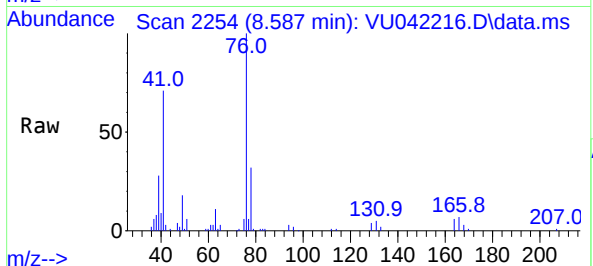
#53  
1,3-Dichloropropane  
Concen: 10.17 ug/l  
RT: 8.587 min Scan# 2254  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 76 Resp: 55657  
Ion Ratio Lower Upper  
76 100  
78 32.7 25.4 38.2

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

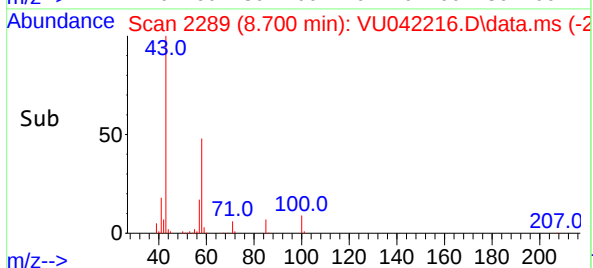
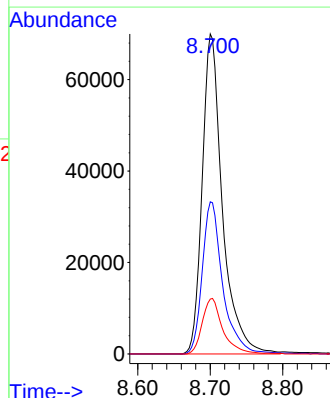
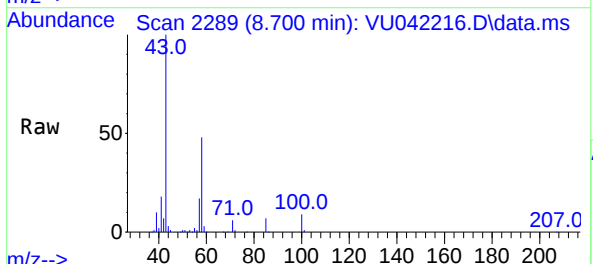
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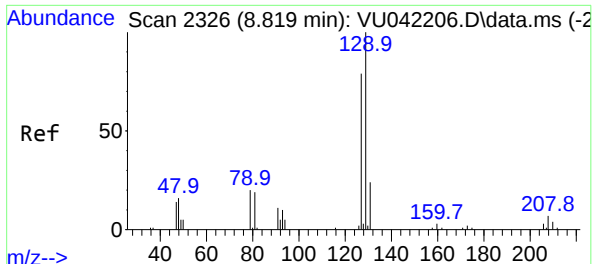
SAM  
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#54  
2-Hexanone  
Concen: 51.06 ug/l  
RT: 8.700 min Scan# 2289  
Delta R.T. -0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 43 Resp: 135537  
Ion Ratio Lower Upper  
43 100  
58 48.3 28.7 68.7  
57 17.7 0.0 37.9





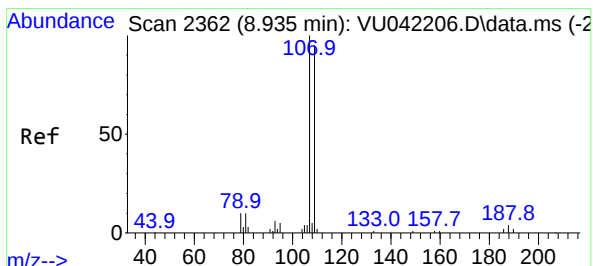
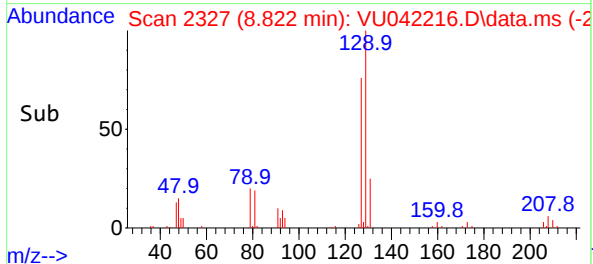
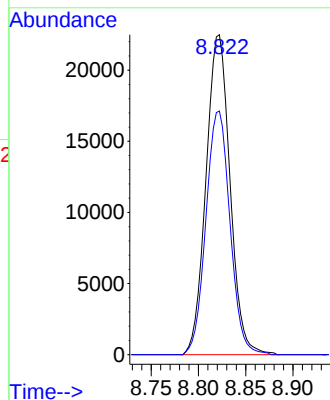
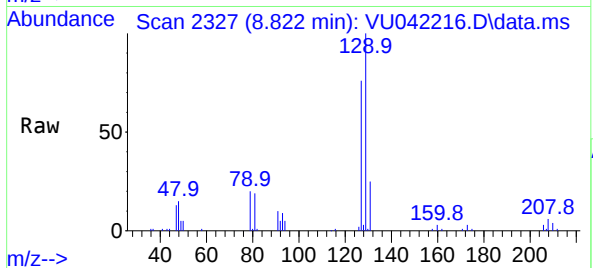
#55  
Dibromochloromethane  
Concen: 10.95 ug/l  
RT: 8.822 min Scan# 2327  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:129 Resp: 39818  
Ion Ratio Lower Upper  
129 100  
127 76.3 62.7 94.1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

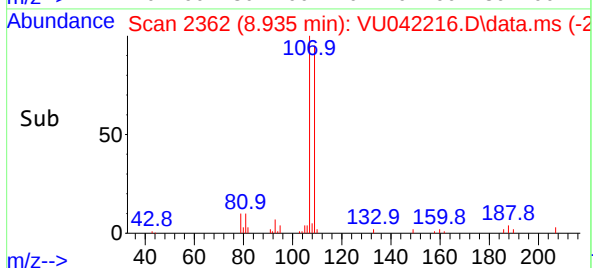
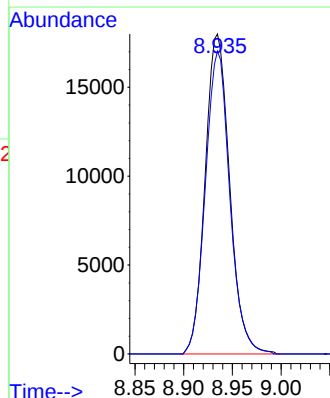
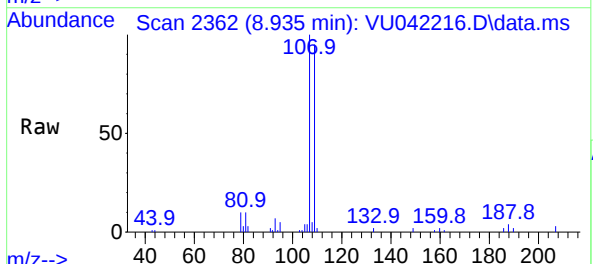
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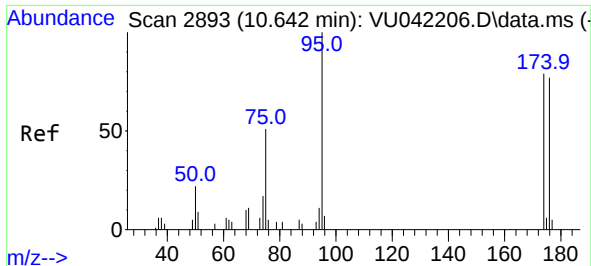
SAM  
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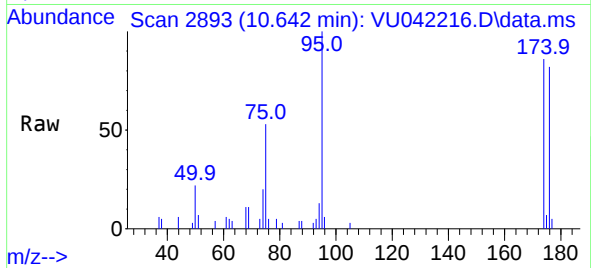
#56  
1,2-Dibromoethane  
Concen: 10.51 ug/l  
RT: 8.935 min Scan# 2362  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:107 Resp: 31423  
Ion Ratio Lower Upper  
107 100  
109 94.6 0.0 187.2

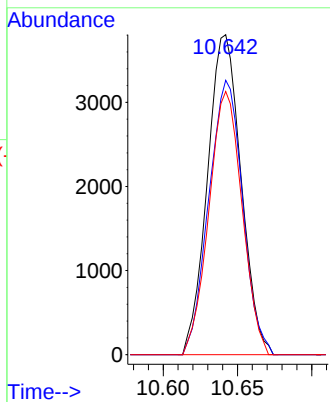
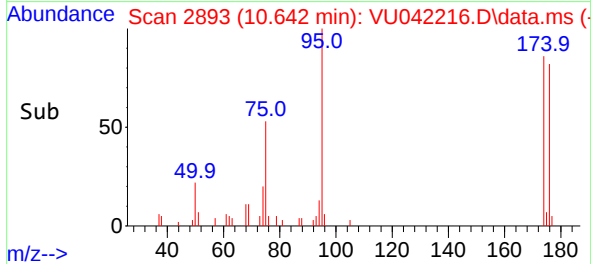




#57  
4-Bromofluorobenzene  
Concen: 1.11 ug/l  
RT: 10.642 min Scan# 2893  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30



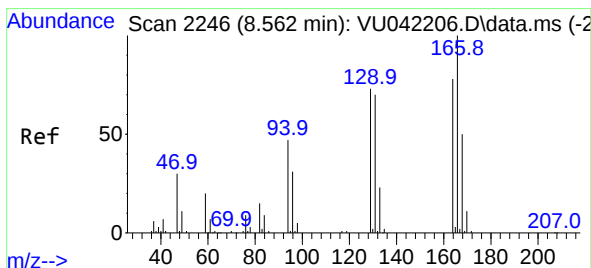
Tgt Ion: 95 Resp: 5985  
Ion Ratio Lower Upper  
95 100  
174 86.1 69.6 104.4  
176 81.1 65.5 98.3



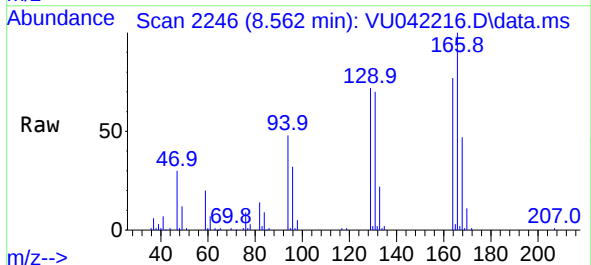
Instrument :  
MSVOA\_U  
ClientSampleId :  
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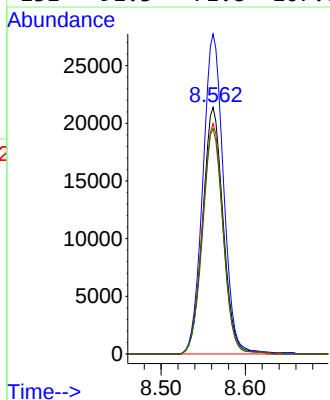
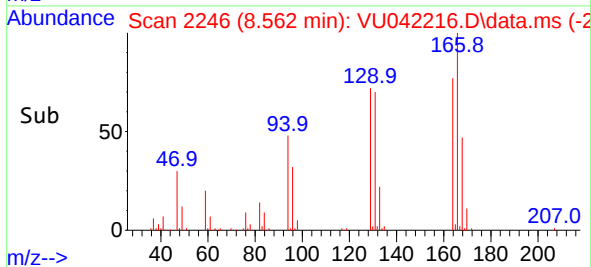
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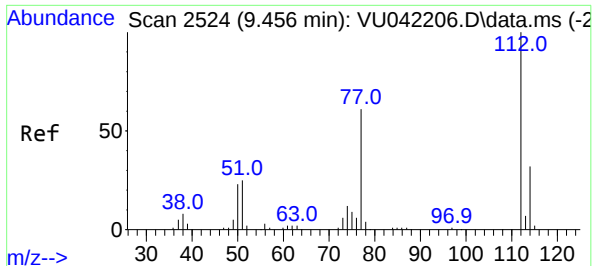


#58  
Tetrachloroethene  
Concen: 10.06 ug/l  
RT: 8.562 min Scan# 2246  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30



Tgt Ion: 164 Resp: 36430  
Ion Ratio Lower Upper  
164 100  
166 129.7 102.2 153.2  
129 93.3 74.4 111.6  
131 91.3 71.8 107.6





#59

Chlorobenzene

Concen: 10.04 ug/l

RT: 9.456 min Scan# 2524

Delta R.T. -0.000 min

Lab File: VU042216.D

Acq: 29 Jan 2021 09:30

Tgt Ion:112 Resp: 104930

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.2

Instrument :

MSVOA\_U

ClientSampleId :

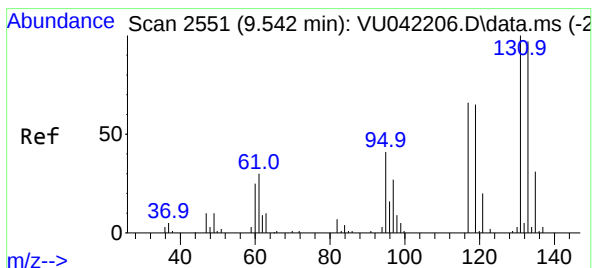
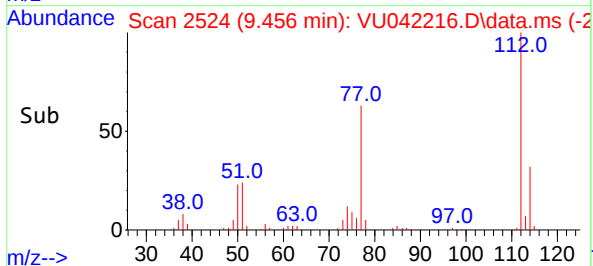
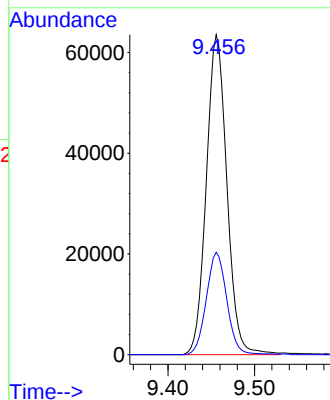
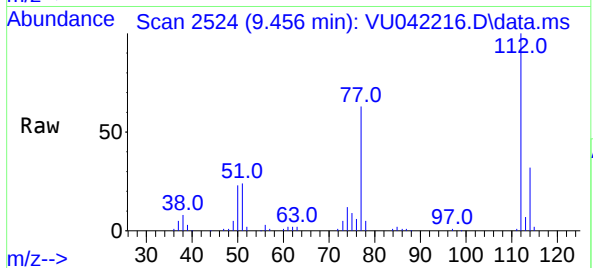
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#60

1,1,1,2-Tetrachloroethane

Concen: 10.39 ug/l

RT: 9.546 min Scan# 2552

Delta R.T. 0.004 min

Lab File: VU042216.D

Acq: 29 Jan 2021 09:30

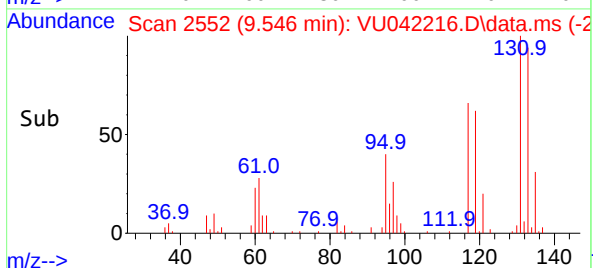
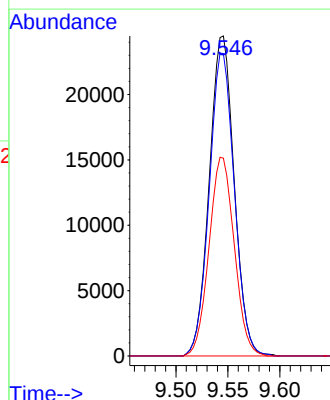
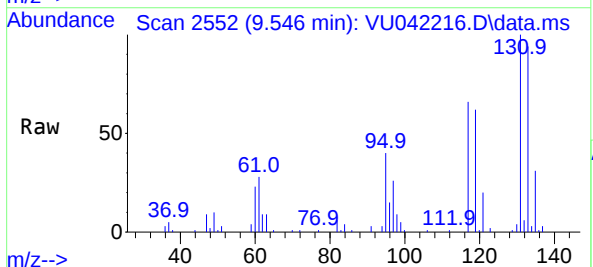
Tgt Ion:131 Resp: 40810

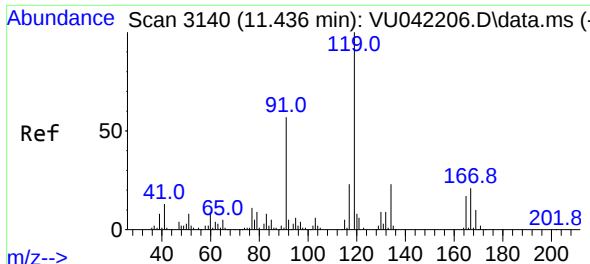
Ion Ratio Lower Upper

131 100

133 95.3 76.7 115.1

119 62.9 51.4 77.0





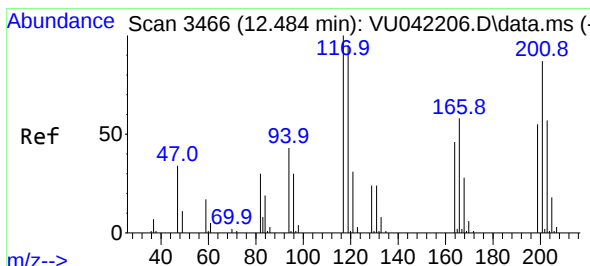
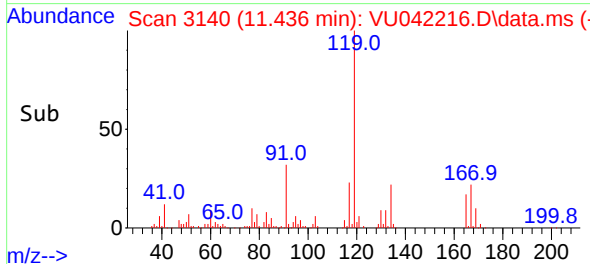
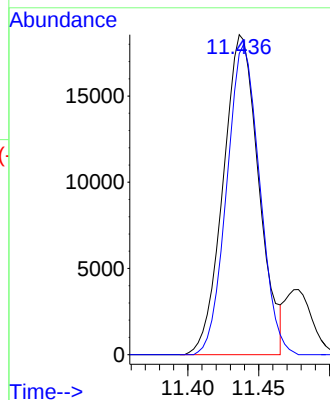
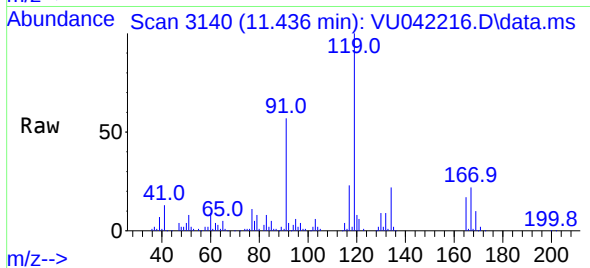
#61  
Pentachloroethane  
Concen: 10.53 ug/l  
RT: 11.436 min Scan# 3140  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:117 Resp: 32502  
Ion Ratio Lower Upper  
117 100  
167 89.2 70.6 105.8

Instrument :  
MSVOA\_U  
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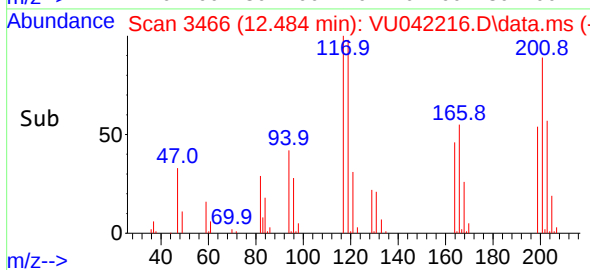
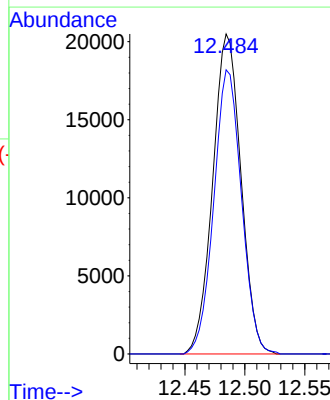
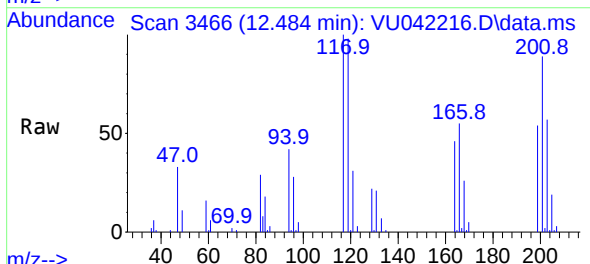
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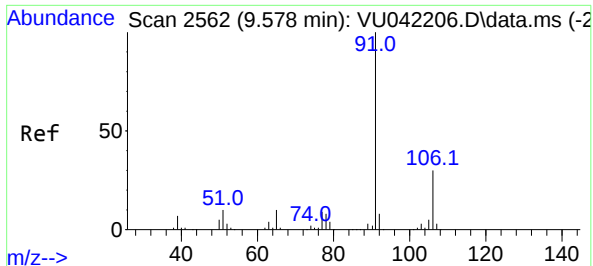
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#62  
Hexachloroethane  
Concen: 10.97 ug/l  
RT: 12.484 min Scan# 3466  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:117 Resp: 33499  
Ion Ratio Lower Upper  
117 100  
201 87.1 70.9 106.3





#63

Ethyl Benzene

Concen: 10.11 ug/l

RT: 9.578 min Scan# 2562

Delta R.T. -0.000 min

Lab File: VU042216.D

Acq: 29 Jan 2021 09:30

Tgt Ion: 91 Resp: 191761

Ion Ratio Lower Upper

91 100

106 30.0 24.1 36.1

Instrument :

MSVOA\_U

ClientSampleId :

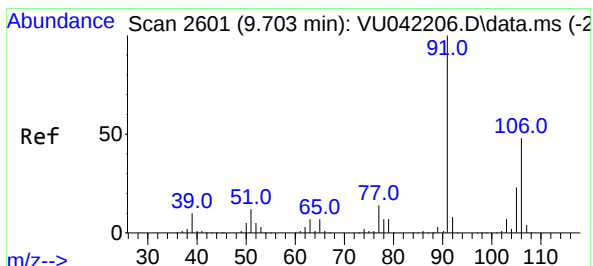
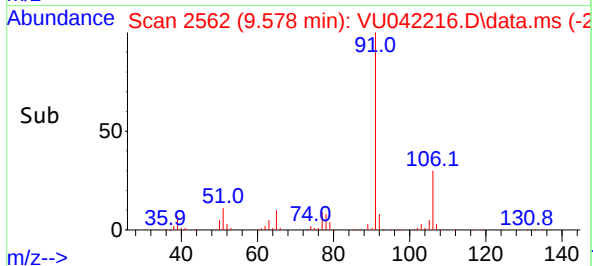
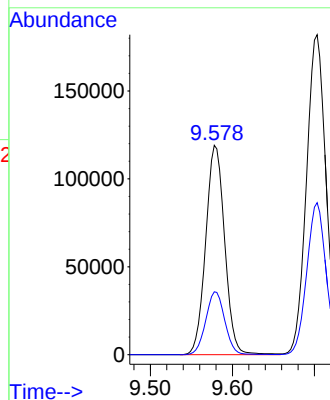
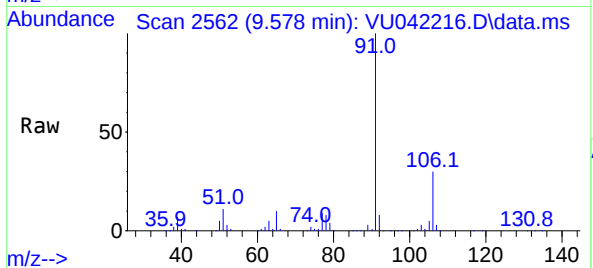
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#64

m/p-Xylenes

Concen: 20.07 ug/l

RT: 9.703 min Scan# 2601

Delta R.T. 0.000 min

Lab File: VU042216.D

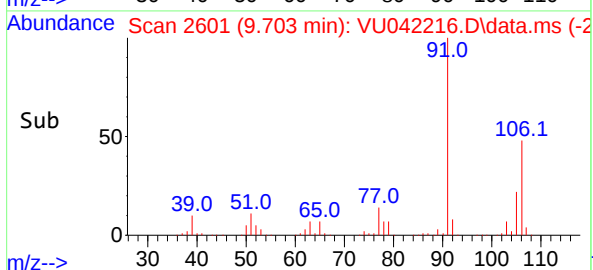
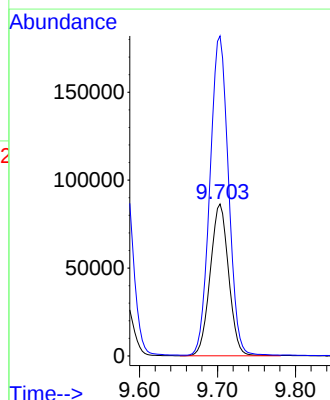
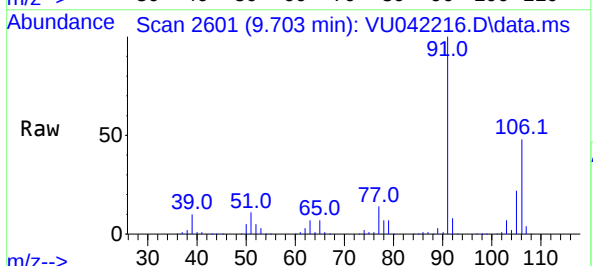
Acq: 29 Jan 2021 09:30

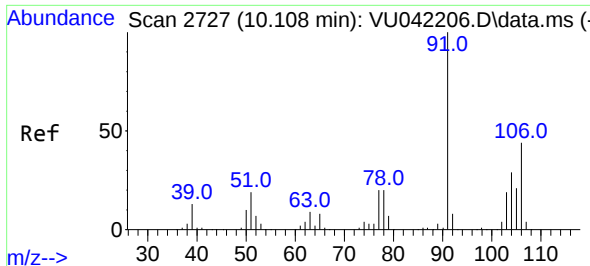
Tgt Ion:106 Resp: 141514

Ion Ratio Lower Upper

106 100

91 212.3 168.4 252.6





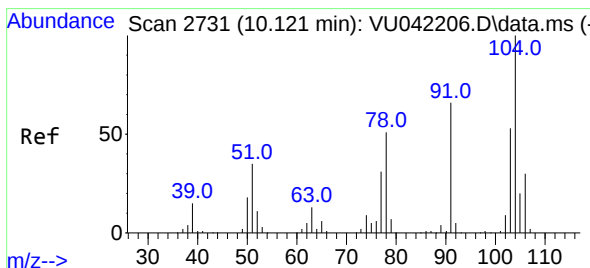
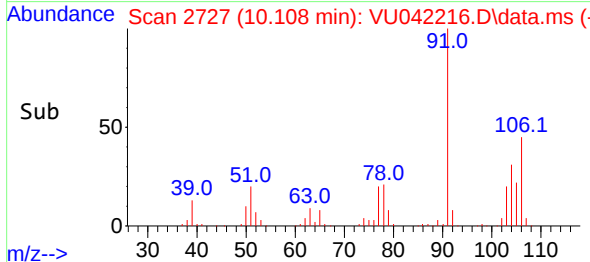
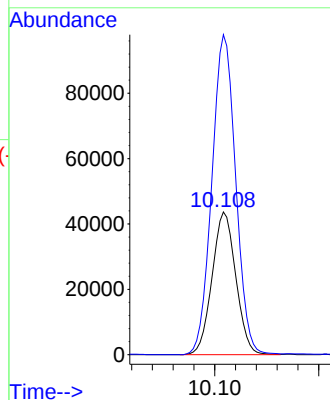
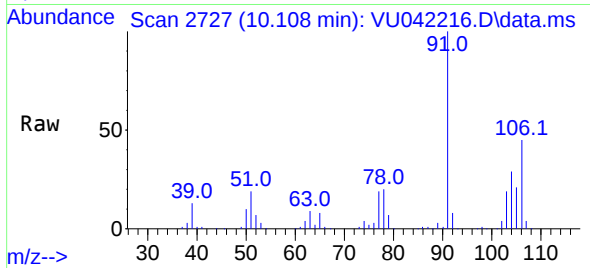
#65  
o-Xylene  
Concen: 9.96 ug/l  
RT: 10.108 min Scan# 2727  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:106 Resp: 69200  
Ion Ratio Lower Upper  
106 100  
91 225.4 112.0 336.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
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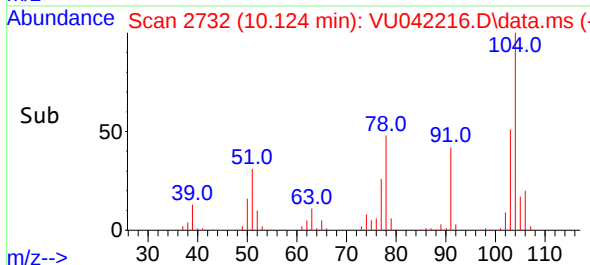
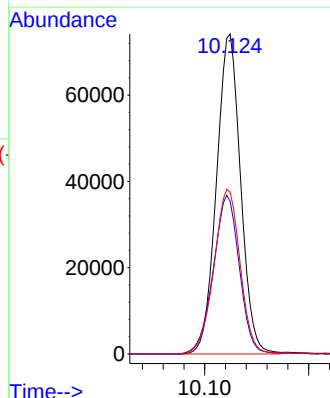
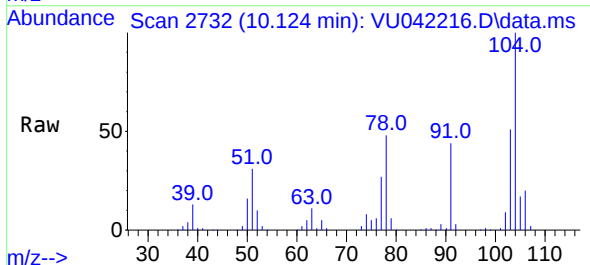
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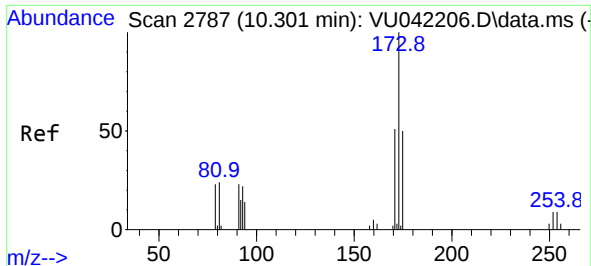
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#66  
Styrene  
Concen: 10.25 ug/l  
RT: 10.124 min Scan# 2732  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:104 Resp: 119534  
Ion Ratio Lower Upper  
104 100  
78 53.7 43.9 65.9  
103 55.6 44.7 67.1





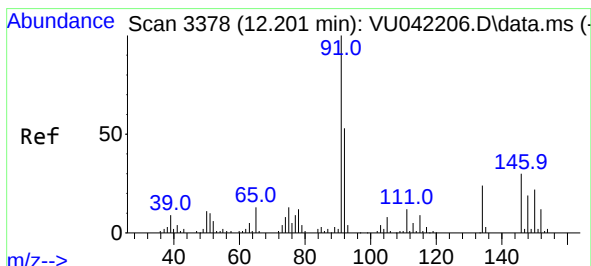
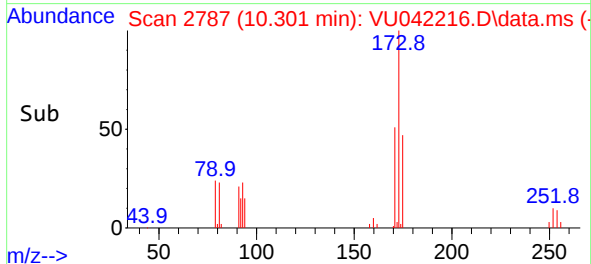
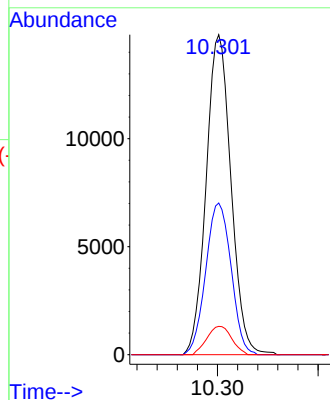
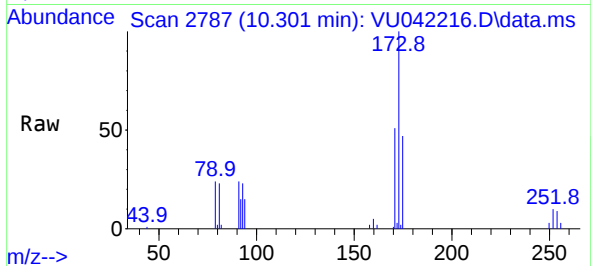
#67  
Bromoform  
Concen: 11.10 ug/l  
RT: 10.301 min Scan# 2787  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 25379 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.4  | 40.0  | 60.0  |
| 254      | 8.9   | 6.8   | 10.2  |

Instrument :  
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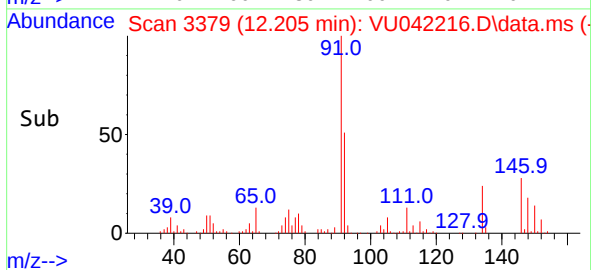
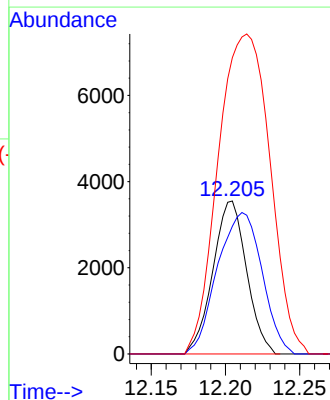
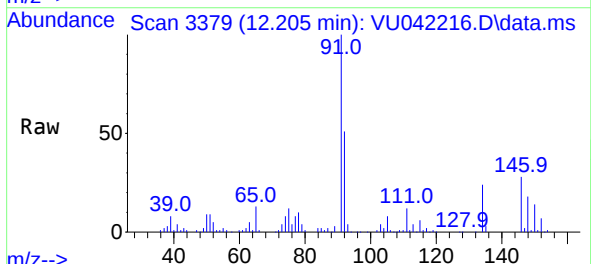
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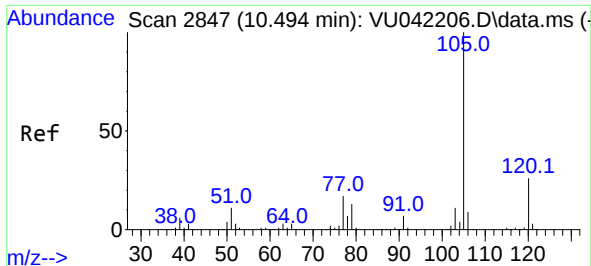
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#68  
1,2-Dichlorobenzene-d4  
Concen: 1.02 ug/l  
RT: 12.205 min Scan# 3379  
Delta R.T. 0.004 min  
Lab File: VU042216.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 5599  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 122.3 | 0.0   | 243.2 |
| 150      | 321.7 | 0.0   | 642.6 |





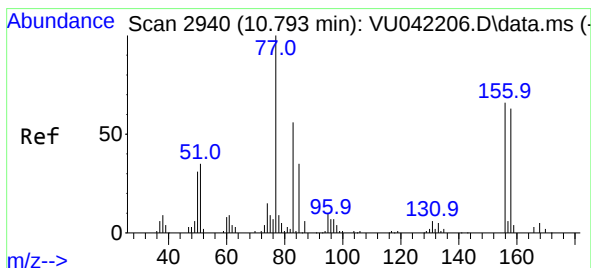
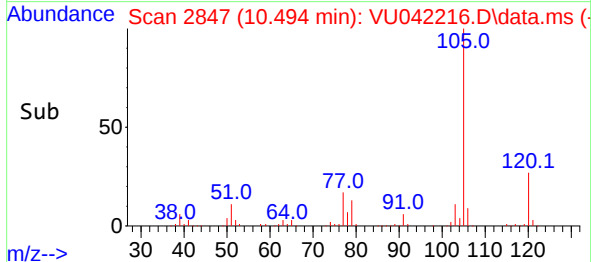
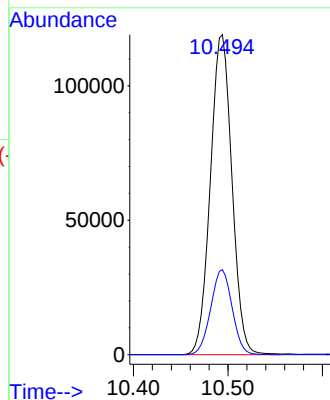
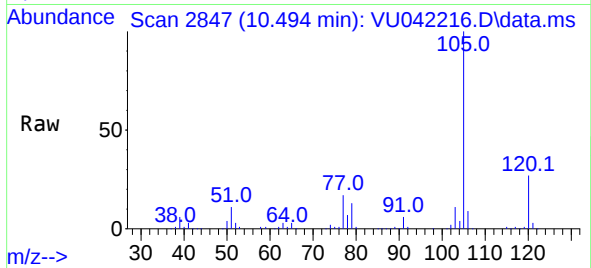
#69  
Isopropylbenzene  
Concen: 10.08 ug/l  
RT: 10.494 min Scan# 2847  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 105 Resp: 188793  
Ion Ratio Lower Upper  
105 100  
120 26.3 13.1 39.1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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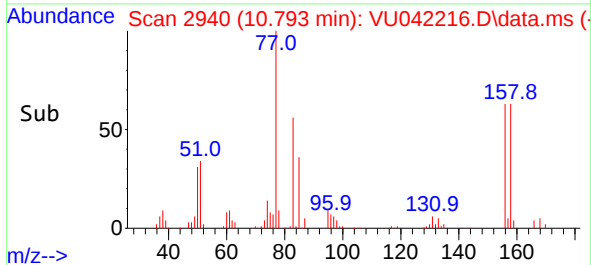
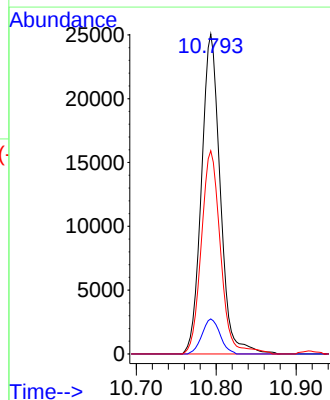
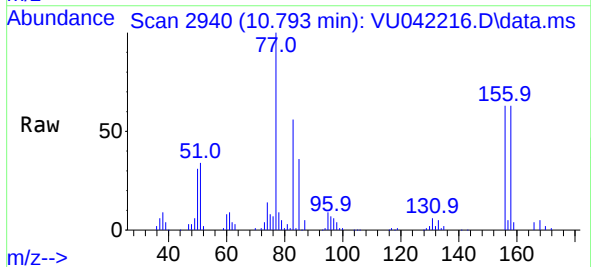
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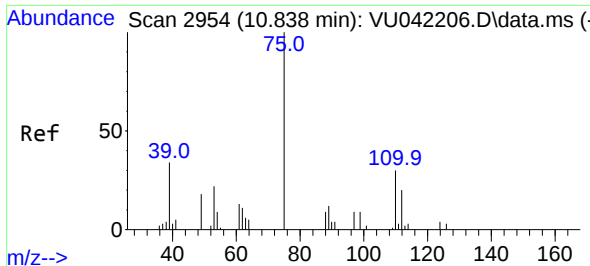
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#70  
1,1,2,2-Tetrachloroethane  
Concen: 10.33 ug/l  
RT: 10.793 min Scan# 2940  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

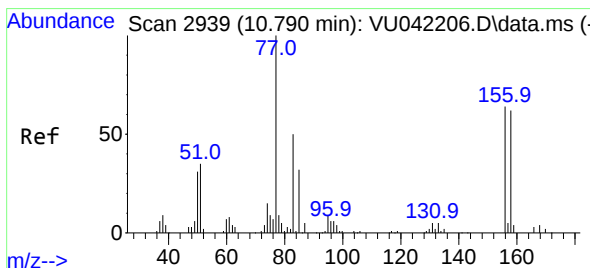
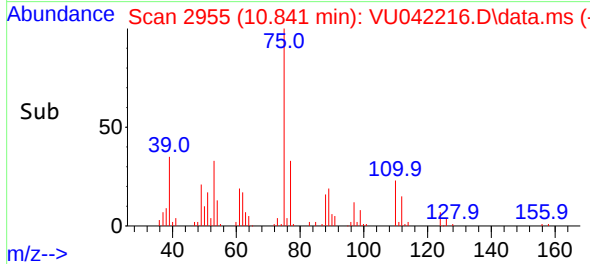
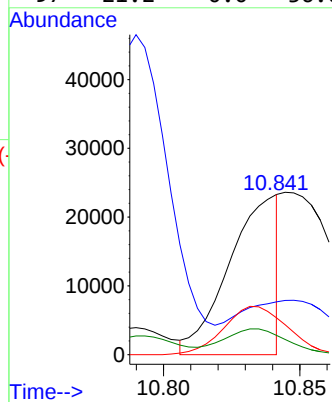
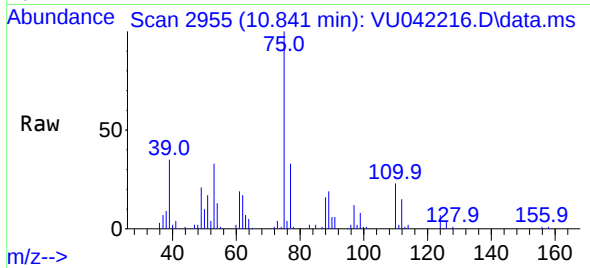
Tgt Ion: 83 Resp: 40988  
Ion Ratio Lower Upper  
83 100  
131 10.5 8.1 12.1  
85 65.1 51.5 77.3





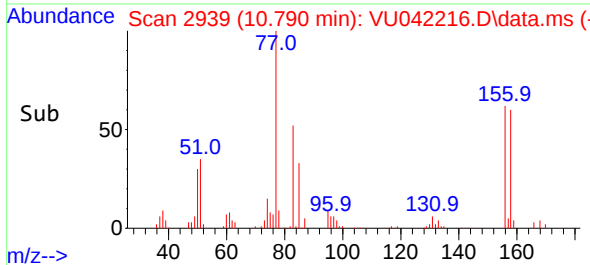
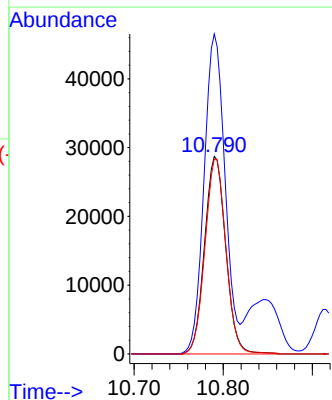
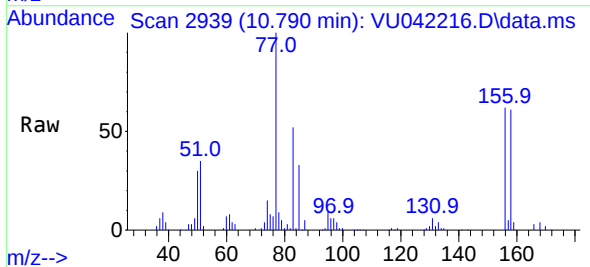
#71  
1,2,3-Trichloropropane  
Concen: 9.28 ug/l m  
RT: 10.841 min Scan# 2955  
Delta R.T. 0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 28989 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 66.4     | 0.0 107.2   |
| 110 39.6    | 0.0 69.0    |
| 97 21.2     | 0.0 36.6    |



#72  
Bromobenzene  
Concen: 10.03 ug/l  
RT: 10.790 min Scan# 2939  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

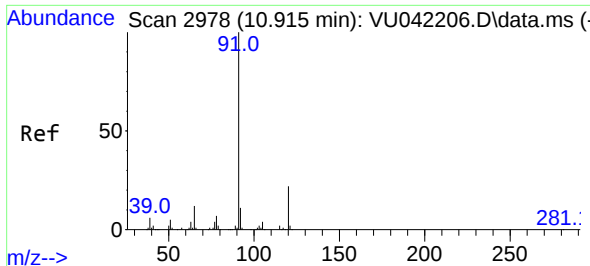
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:156 | Resp: | 47395 |
| Ion | Ratio   | Lower | Upper |
| 156 | 100     |       |       |
| 77  | 160.4   | 0.0   | 317.6 |
| 158 | 98.0    | 0.0   | 195.0 |



Instrument :  
MSVOA\_U  
ClientSampleId :  
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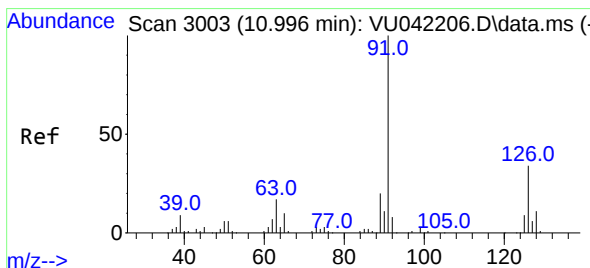
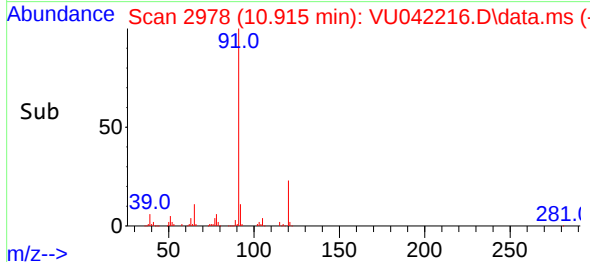
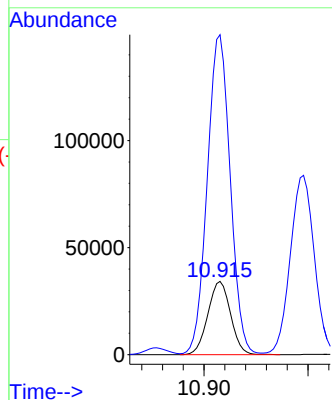
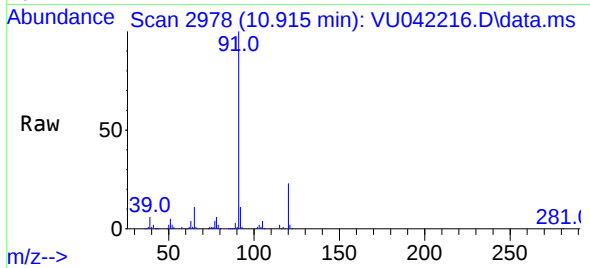
#73  
n-propylbenzene  
Concen: 10.39 ug/l  
RT: 10.915 min Scan# 2978  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:120 Resp: 51787  
Ion Ratio Lower Upper  
120 100  
91 440.3 355.1 532.7

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

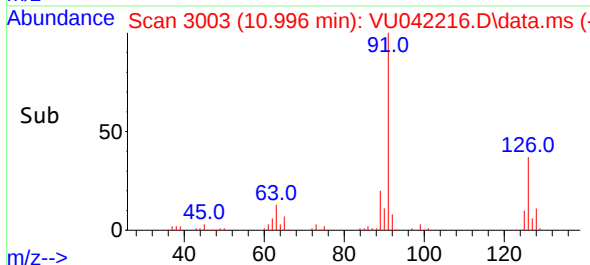
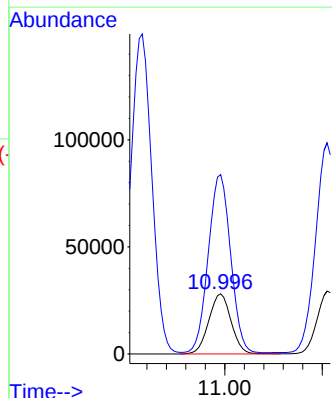
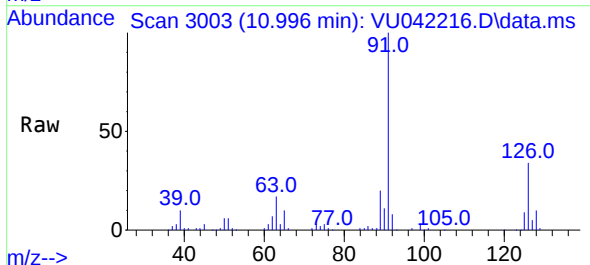
Manual Integrations  
APPROVED

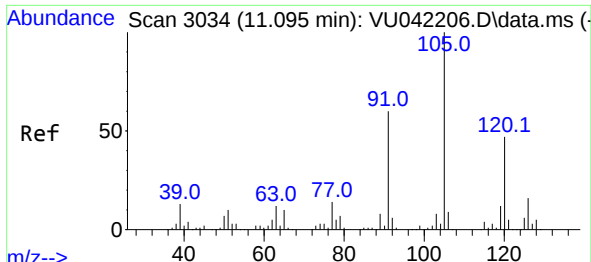
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#74  
2-Chlorotoluene  
Concen: 10.03 ug/l  
RT: 10.996 min Scan# 3003  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:126 Resp: 44614  
Ion Ratio Lower Upper  
126 100  
91 297.5 0.0 588.6





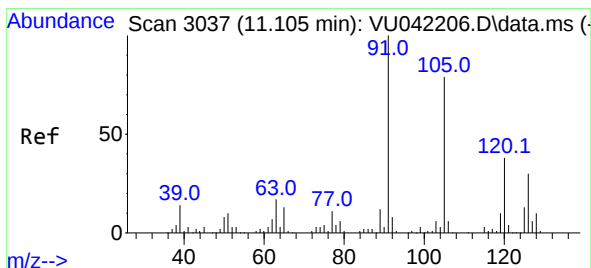
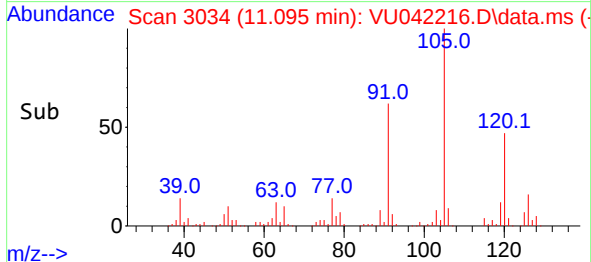
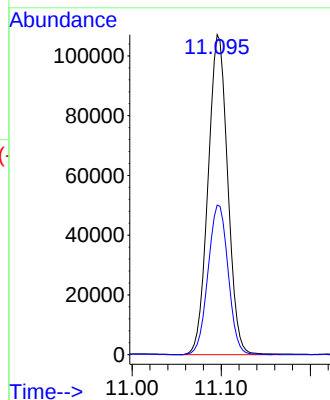
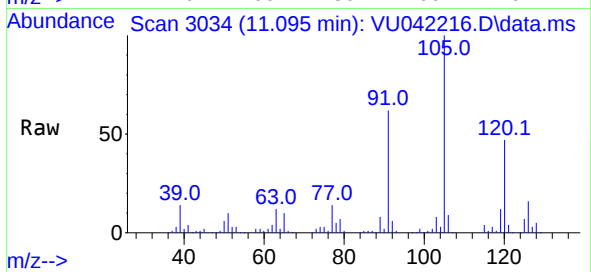
#75  
1,3,5-Trimethylbenzene  
Concen: 10.08 ug/l  
RT: 11.095 min Scan# 3034  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion:105 Resp: 163880  
Ion Ratio Lower Upper  
105 100  
120 47.8 37.8 56.8

Instrument :  
MSVOA\_U  
ClientSampleId :  
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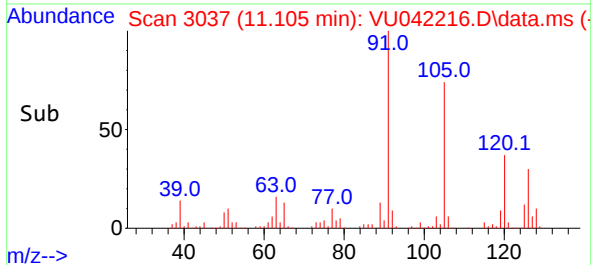
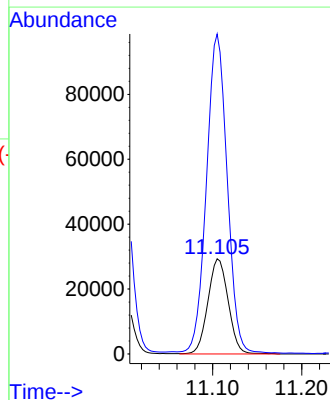
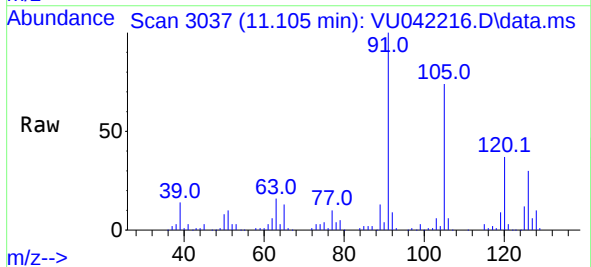
Manual Integrations  
APPROVED

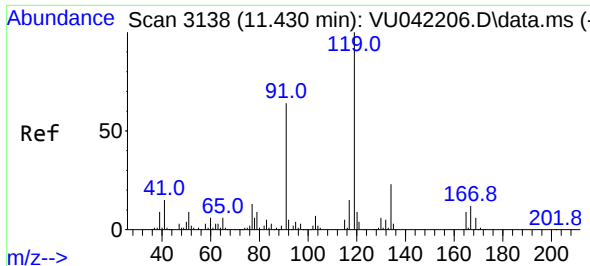
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#76  
4-Chlorotoluene  
Concen: 10.28 ug/l  
RT: 11.105 min Scan# 3037  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

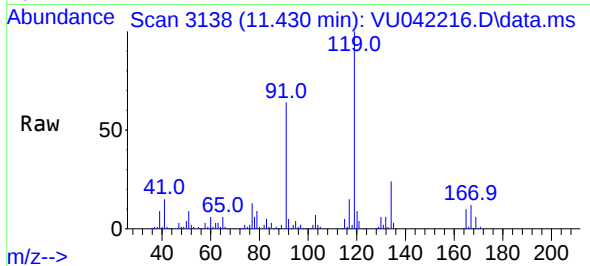
Tgt Ion:126 Resp: 46354  
Ion Ratio Lower Upper  
126 100  
91 342.6 0.0 682.0





#77  
tert-Butylbenzene  
Concen: 10.13 ug/l  
RT: 11.430 min Scan# 3138  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

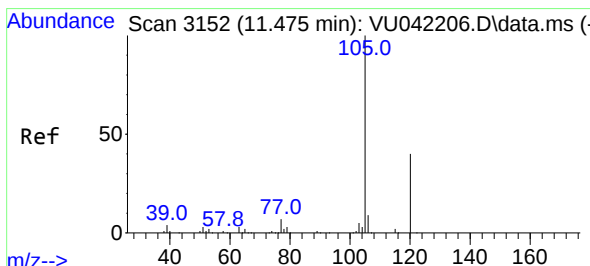
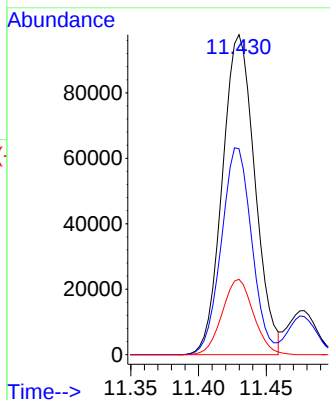
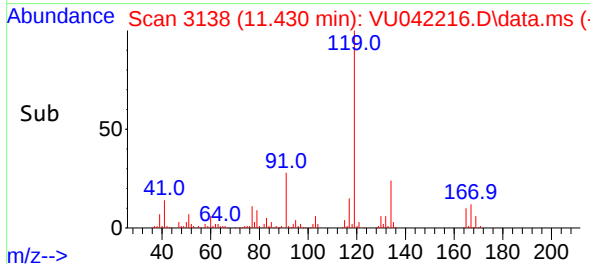
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



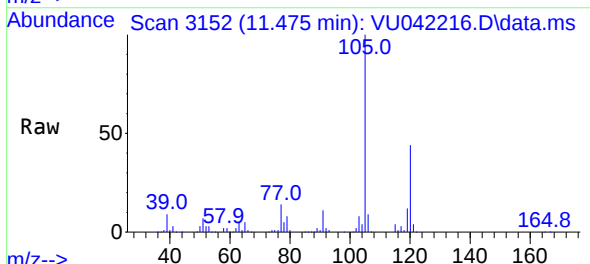
Tgt Ion:119 Resp: 163175  
Ion Ratio Lower Upper  
119 100  
91 60.5 30.3 90.9  
134 22.7 18.1 27.1

Manual Integrations  
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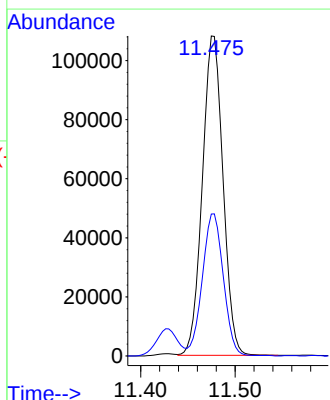
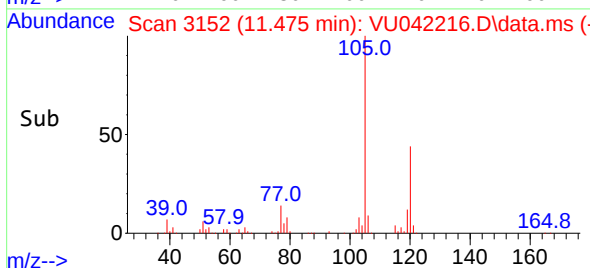
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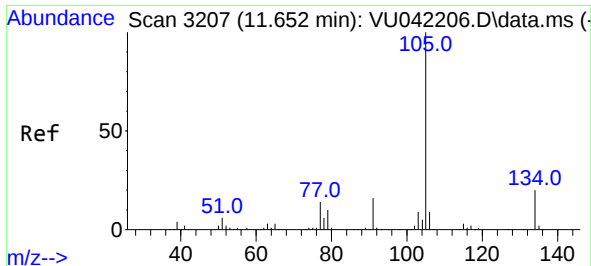


#78  
1,2,4-Trimethylbenzene  
Concen: 10.06 ug/l  
RT: 11.475 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30



Tgt Ion:105 Resp: 164227  
Ion Ratio Lower Upper  
105 100  
120 45.3 22.5 67.5





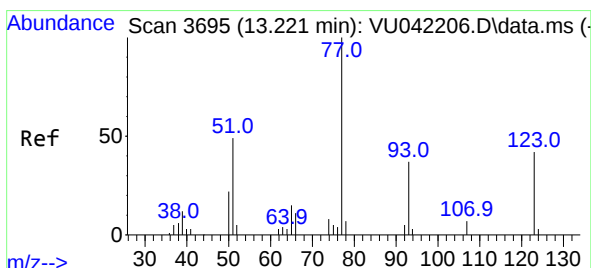
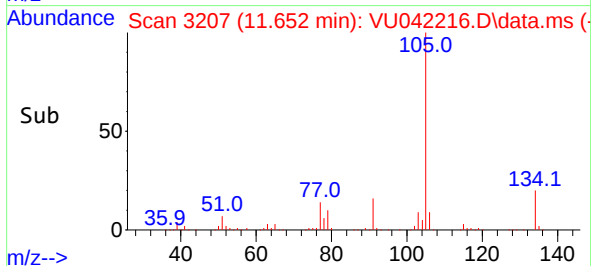
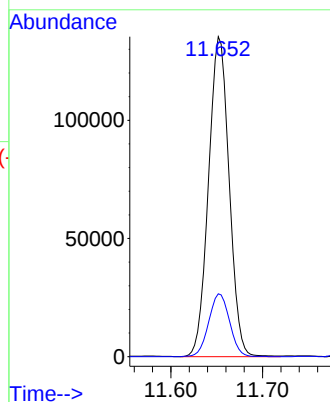
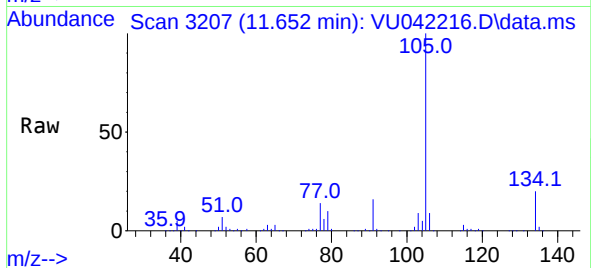
#79  
 sec-Butylbenzene  
 Concen: 10.18 ug/l  
 RT: 11.652 min Scan# 3207  
 Delta R.T. -0.000 min  
 Lab File: VU042216.D  
 Acq: 29 Jan 2021 09:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion:105 Resp: 211131  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 16.2 24.2

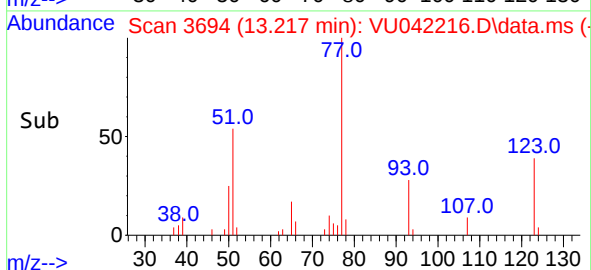
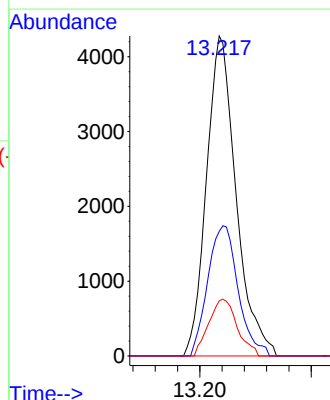
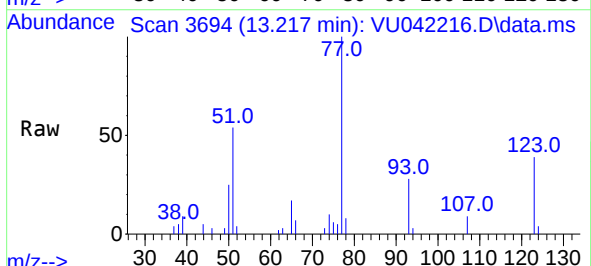
Manual Integrations  
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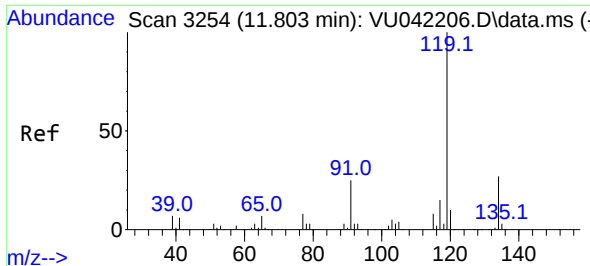
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#80  
 Nitrobenzene  
 Concen: 71.00 ug/l  
 RT: 13.217 min Scan# 3694  
 Delta R.T. -0.004 min  
 Lab File: VU042216.D  
 Acq: 29 Jan 2021 09:30

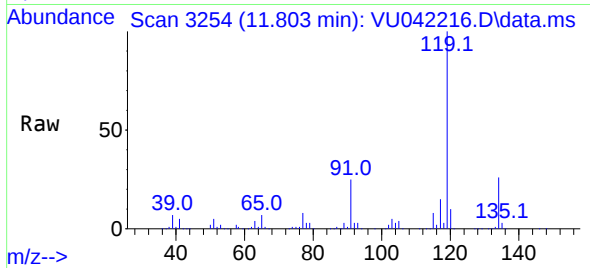
Tgt Ion: 77 Resp: 7882  
 Ion Ratio Lower Upper  
 77 100  
 123 41.8 18.3 64.7  
 65 17.0 15.0 19.2





#81  
p-Isopropyltoluene  
Concen: 10.26 ug/l  
RT: 11.803 min Scan# 3254  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

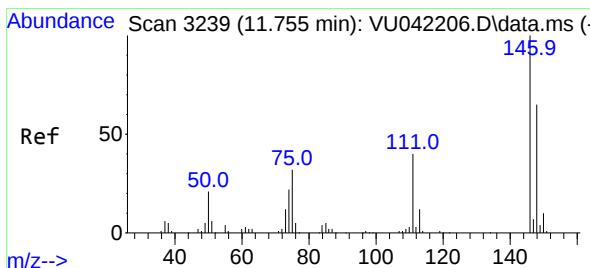
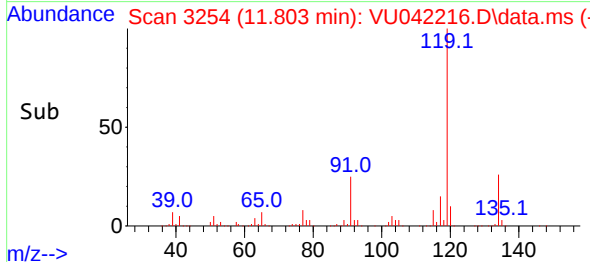
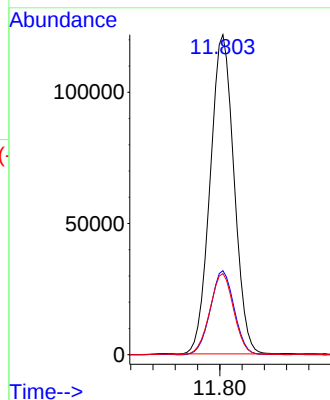
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



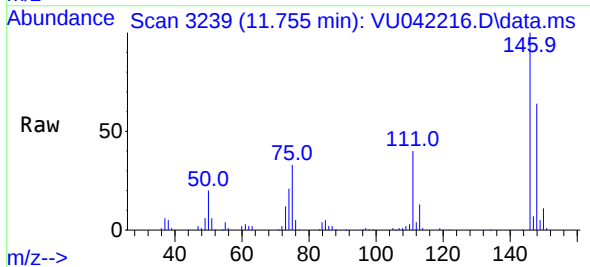
Tgt Ion:119 Resp: 180814  
Ion Ratio Lower Upper  
119 100  
134 26.2 21.5 32.3  
91 25.6 20.2 30.4

Manual Integrations  
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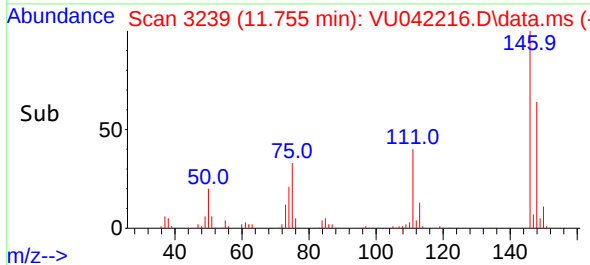
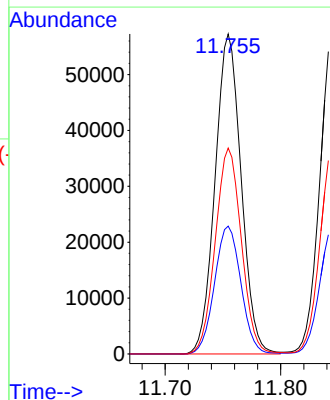
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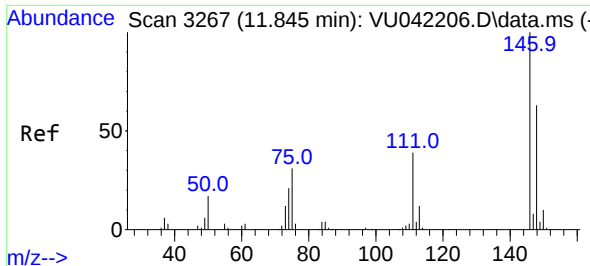


#82  
1,3-Dichlorobenzene  
Concen: 10.07 ug/l  
RT: 11.755 min Scan# 3239  
Delta R.T. -0.001 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30



Tgt Ion:146 Resp: 89842  
Ion Ratio Lower Upper  
146 100  
111 40.5 32.1 48.1  
148 64.5 51.5 77.3





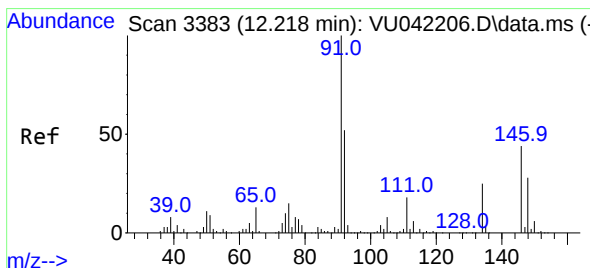
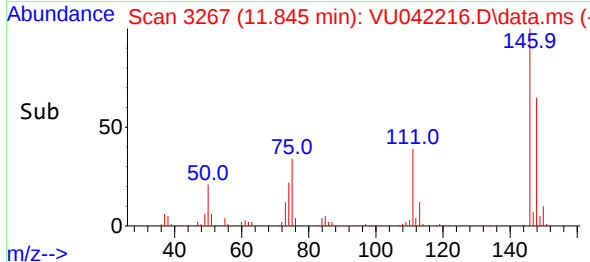
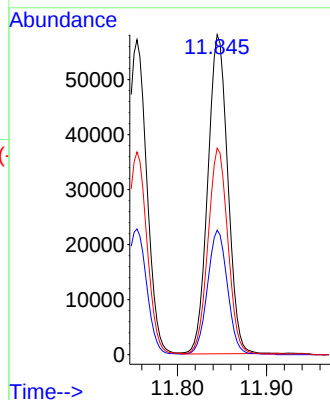
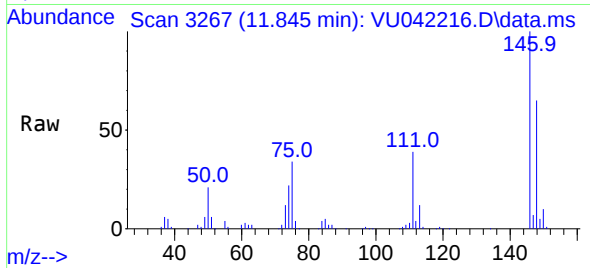
#83  
1,4-Dichlorobenzene  
Concen: 10.05 ug/l  
RT: 11.845 min Scan# 3267  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 146 Resp: 90256  
Ion Ratio Lower Upper  
146 100  
111 39.2 30.7 46.1  
148 64.1 50.3 75.5

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

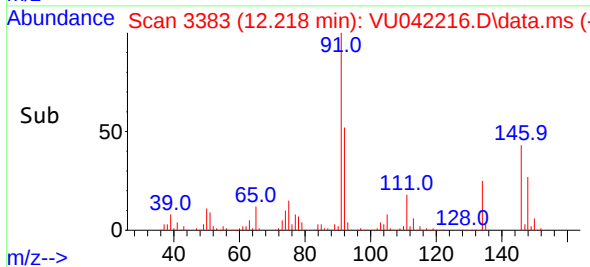
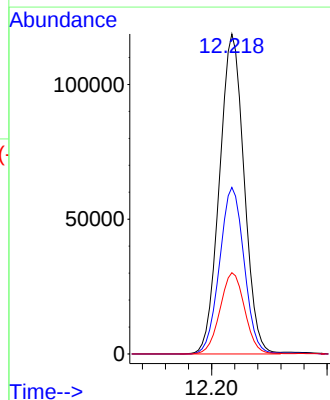
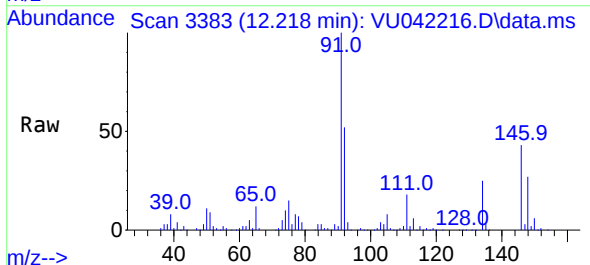
Manual Integrations  
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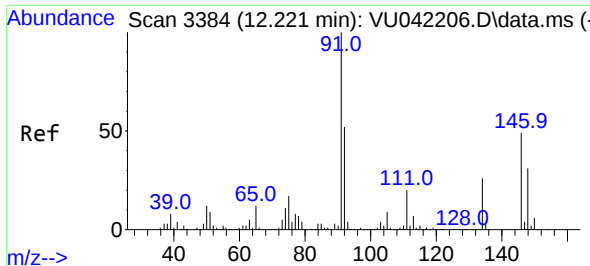
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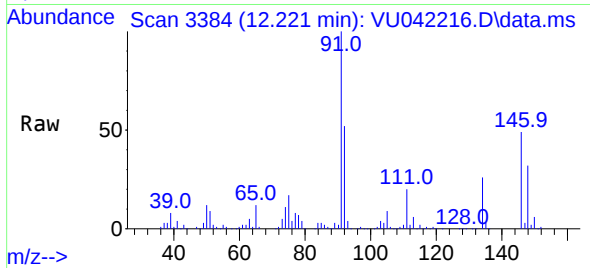
#84  
n-Butylbenzene  
Concen: 10.44 ug/l  
RT: 12.218 min Scan# 3383  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

Tgt Ion: 91 Resp: 175749  
Ion Ratio Lower Upper  
91 100  
92 52.0 41.8 62.8  
134 25.5 20.3 30.5

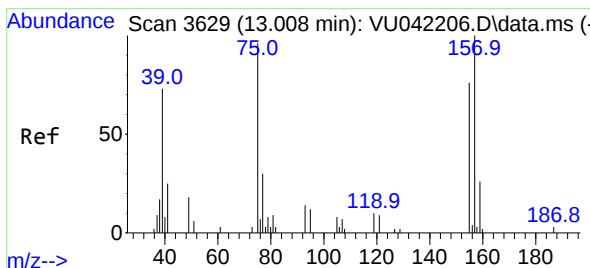
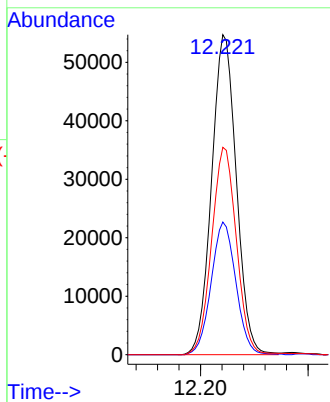
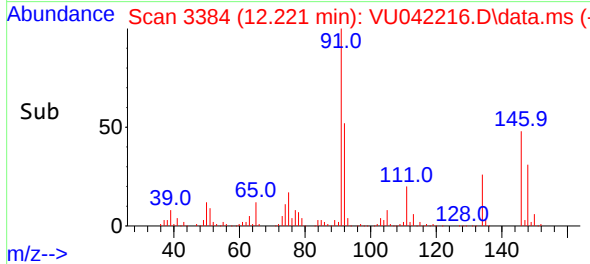




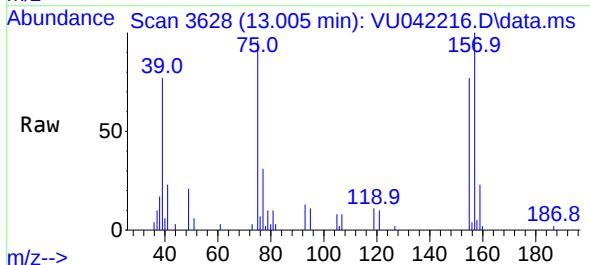
#85  
1,2-Dichlorobenzene  
Concen: 10.06 ug/l  
RT: 12.221 min Scan# 3384  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30



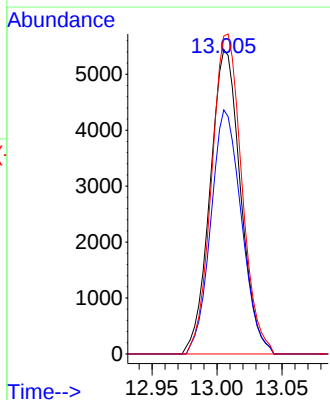
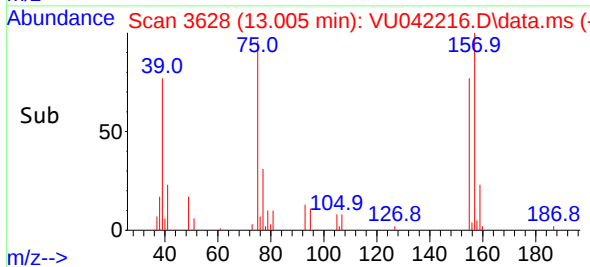
Tgt Ion:146 Resp: 87349  
Ion Ratio Lower Upper  
146 100  
111 41.4 20.6 61.8  
148 65.3 32.1 96.3



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 10.94 ug/l  
RT: 13.005 min Scan# 3628  
Delta R.T. -0.003 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30



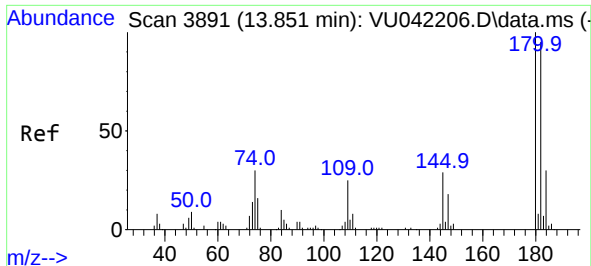
Tgt Ion: 75 Resp: 8864  
Ion Ratio Lower Upper  
75 100  
155 80.5 65.4 98.0  
157 103.9 83.3 124.9



Instrument :  
MSVOA\_U  
ClientSampleId :  
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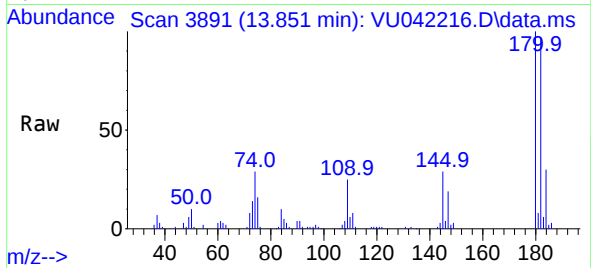
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#87  
1,2,4-Trichlorobenzene  
Concen: 10.51 ug/l  
RT: 13.851 min Scan# 3891  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

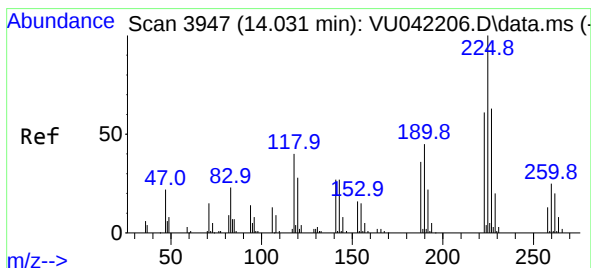
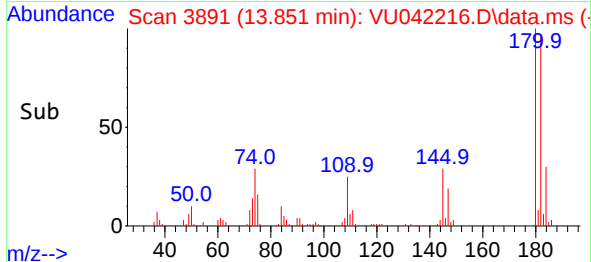
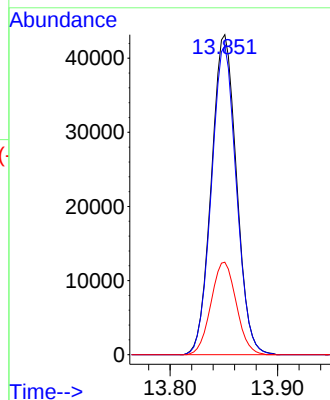
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



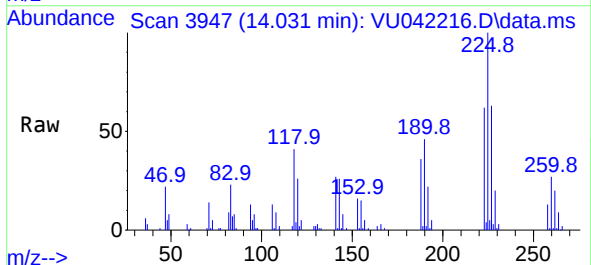
Tgt Ion:180 Resp: 70095  
Ion Ratio Lower Upper  
180 100  
182 95.8 76.7 115.1  
145 29.1 23.4 35.0

Manual Integrations  
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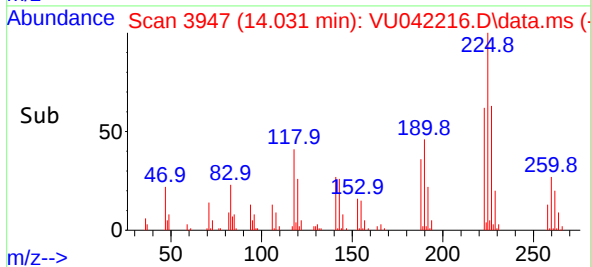
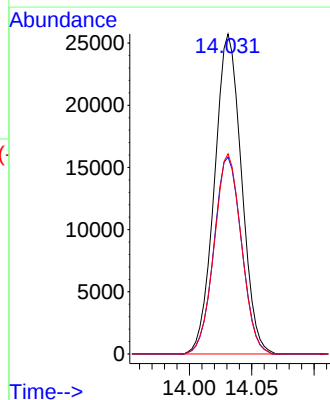
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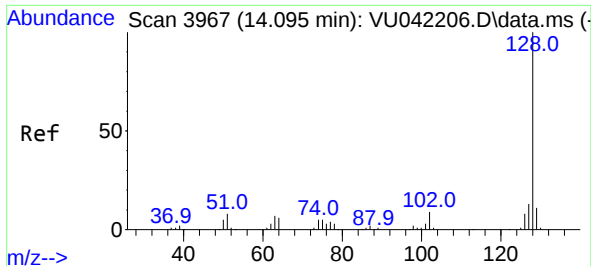


#88  
Hexachlorobutadiene  
Concen: 10.34 ug/l  
RT: 14.031 min Scan# 3947  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30

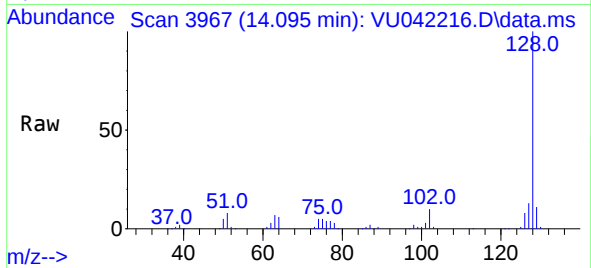


Tgt Ion:225 Resp: 38888  
Ion Ratio Lower Upper  
225 100  
223 63.0 49.8 74.6  
227 62.8 50.6 76.0

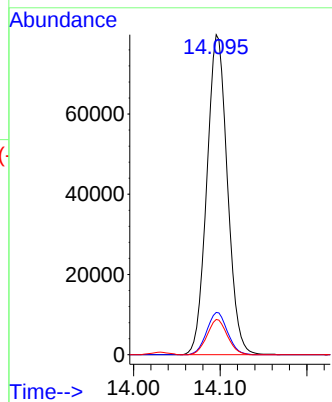
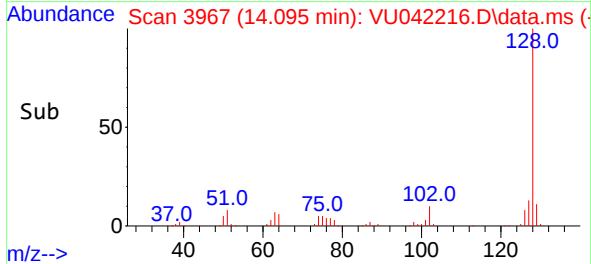




#89  
Naphthalene  
Concen: 10.53 ug/l  
RT: 14.095 min Scan# 3967  
Delta R.T. 0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30



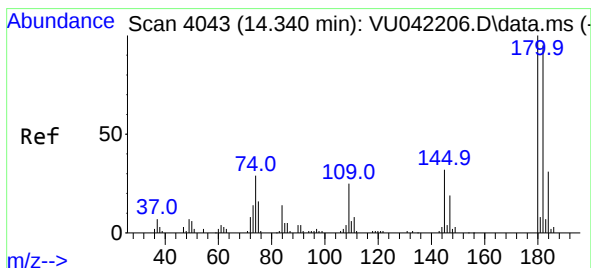
Tgt Ion:128 Resp: 131459  
Ion Ratio Lower Upper  
128 100  
127 13.3 11.0 16.4  
129 10.9 8.9 13.3



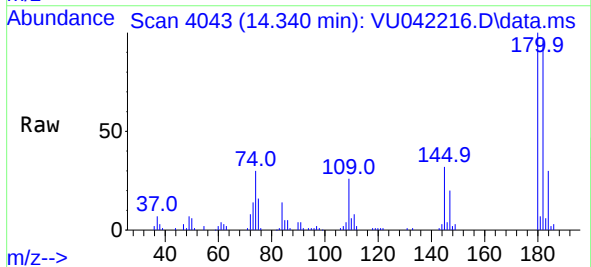
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Manual Integrations  
APPROVED

SAM  
2/4/2021 1:04:29 PM



#90  
1,2,3-Trichlorobenzene  
Concen: 10.57 ug/l  
RT: 14.340 min Scan# 4043  
Delta R.T. -0.000 min  
Lab File: VU042216.D  
Acq: 29 Jan 2021 09:30



Tgt Ion:180 Resp: 64197  
Ion Ratio Lower Upper  
180 100  
182 95.4 76.5 114.7  
145 30.9 25.4 38.0

