

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012921\  
 Data File : VU042221.D  
 Acq On : 29 Jan 2021 12:10  
 Operator : SY/MD  
 Sample : VU0129WBSD01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0129WBSD01

Manual Integrations  
 APPROVED

SAM  
 2/4/2021 1:04:37 PM

Quant Time: Jan 30 00:49:14 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             | 6.124  | 96   | 12803    | 1.00  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.642 | 95   | 5216     | 1.05  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 105.00% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.205 | 152  | 5228     | 1.03  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 103.00% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.388  | 85   | 8574     | 1.72  | ug/l    | 98       |
| 3) Chloromethane             | 1.527  | 50   | 8103     | 1.78  | ug/l    | 100      |
| 4) Vinyl Chloride            | 1.610  | 62   | 7861     | 1.81  | ug/l    | 98       |
| 5) Bromomethane              | 1.864  | 94   | 4241     | 1.97  | ug/l    | 98       |
| 6) Chloroethane              | 1.941  | 64   | 4433     | 1.83  | ug/l    | 99       |
| 7) Trichlorofluoromethane    | 2.147  | 101  | 11094    | 1.83  | ug/l    | 99       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.591  | 101  | 5629     | 1.73  | ug/l    | 95       |
| 9) 1,1-Dichloroethene        | 2.591  | 96   | 5586     | 1.92  | ug/l    | 88       |
| 10) Iodomethane              | 2.732  | 142  | 7658     | 1.80  | ug/l    | 97       |
| 11) Allyl Chloride           | 2.935  | 41   | 10882    | 1.83  | ug/l    | 100      |
| 12) Acrylonitrile            | 3.334  | 53   | 2723m    | 3.64  | ug/l    |          |
| 13) Acetone                  | 2.642  | 43   | 4794     | 9.63  | ug/l    | 97       |
| 14) Carbon Disulfide         | 2.803  | 76   | 17358    | 1.82  | ug/l    | 100      |
| 15) Methylene Chloride       | 3.057  | 84   | 6261     | 1.72  | ug/l    | 98       |
| 16) trans-1,2-Dichloroethene | 3.362  | 96   | 5937     | 1.89  | ug/l    | 96       |
| 17) 1,1-Dichloroethane       | 3.883  | 63   | 11303    | 1.81  | ug/l    | 99       |
| 18) 2-Butanone               | 4.732  | 43   | 8432     | 8.60  | ug/l    | 95       |
| 19) Cyclohexane              | 5.391  | 56   | 11182m   | 1.79  | ug/l    |          |
| 20) Methylcyclohexane        | 6.768  | 83   | 11175    | 1.73  | ug/l    | 98       |
| 21) 2,2-Dichloropropane      | 4.678  | 77   | 10767    | 1.80  | ug/l    | 98       |
| 22) cis-1,2-Dichloroethene   | 4.678  | 96   | 6354     | 1.82  | ug/l    | 99       |
| 23) Diethyl Ether            | 2.385  | 59   | 4399     | 1.84  | ug/l    | 98       |
| 24) tert-Butyl Alcohol       | 3.218  | 59   | 2884     | 16.21 | ug/l #  | 72       |
| 25) Methyl tert-Butyl Ether  | 3.379  | 73   | 15784    | 1.82  | ug/l    | 94       |
| 26) Bromochloromethane       | 4.989  | 128  | 3051     | 1.93  | ug/l    | 96       |
| 27) Chloroform               | 5.102  | 83   | 11028    | 1.78  | ug/l    | 99       |
| 28) 1,1,1-Trichloroethane    | 5.324  | 97   | 10518    | 1.83  | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.533  | 75   | 9347     | 1.76  | ug/l    | 99       |
| 30) Carbon Tetrachloride     | 5.530  | 117  | 9477     | 1.75  | ug/l    | 98       |
| 31) Isopropyl Ether          | 4.012  | 45   | 20711    | 1.78  | ug/l    | 96       |
| 32) Ethyl-t-butyl ether      | 4.523  | 59   | 18833    | 1.80  | ug/l    | 98       |
| 33) Tert-Amyl methyl ether   | 5.960  | 73   | 17005    | 1.73  | ug/l    | 98       |
| 34) Propionitrile            | 4.803  | 54   | 2139     | 8.57  | ug/l #  | 90       |
| 35) Benzene                  | 5.784  | 78   | 24817    | 1.75  | ug/l    | 98       |
| 36) 1,2-Dichloroethane       | 5.806  | 62   | 9313     | 1.82  | ug/l    | 97       |
| 37) Trichloroethene          | 6.552  | 130  | 6800     | 1.79  | ug/l    | 100      |
| 38) 1,2-Dichloropropane      | 6.806  | 63   | 7028     | 1.82  | ug/l    | 94       |
| 39) Methacrylonitrile        | 4.993  | 41   | 2523m    | 1.73  | ug/l    |          |
| 40) Methyl acrylate          | 4.867  | 55   | 3518m    | 1.79  | ug/l    |          |
| 41) Tetrahydrofuran          | 5.083  | 42   | 2107m    | 3.38  | ug/l    |          |
| 42) 1-Chlorobutane           | 5.469  | 56   | 13705    | 1.76  | ug/l    | 97       |
| 43) Dibromomethane           | 6.931  | 93   | 3604     | 1.78  | ug/l    | 98       |
| 44) Bromodichloromethane     | 7.118  | 83   | 8878     | 1.79  | ug/l    | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012921\  
 Data File : VU042221.D  
 Acq On : 29 Jan 2021 12:10  
 Operator : SY/MD  
 Sample : VU0129WBSD01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0129WBSD01

Manual Integrations  
 APPROVED

SAM  
 2/4/2021 1:04:37 PM

Quant Time: Jan 30 00:49:14 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      | 7.812  | 43   | 30166    | 8.98 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.841 | 75   | 4460m    | 4.13 | ug/l   |          |
| 47) Methyl methacrylate       | 6.980  | 69   | 7071     | 3.38 | ug/l   | 90       |
| 48) Ethyl methacrylate        | 8.349  | 69   | 7923     | 1.79 | ug/l   | 99       |
| 49) Toluene                   | 7.976  | 92   | 15754    | 1.79 | ug/l   | 99       |
| 50) t-1,3-Dichloropropene     | 8.221  | 75   | 8753     | 1.73 | ug/l   | 96       |
| 51) cis-1,3-Dichloropropene   | 7.616  | 75   | 9862     | 1.74 | ug/l   | 93       |
| 52) 1,1,2-Trichloroethane     | 8.411  | 97   | 5084     | 1.84 | ug/l   | 94       |
| 53) 1,3-Dichloropropane       | 8.587  | 76   | 9085     | 1.81 | ug/l   | 98       |
| 54) 2-Hexanone                | 8.703  | 43   | 21959    | 9.02 | ug/l   | 97       |
| 55) Dibromochloromethane      | 8.822  | 129  | 5918     | 1.77 | ug/l   | 98       |
| 56) 1,2-Dibromoethane         | 8.935  | 107  | 5052     | 1.84 | ug/l   | 100      |
| 58) Tetrachloroethene         | 8.562  | 164  | 6098     | 1.84 | ug/l   | 97       |
| 59) Chlorobenzene             | 9.456  | 112  | 17195    | 1.79 | ug/l   | 98       |
| 60) 1,1,1,2-Tetrachloroethane | 9.546  | 131  | 6221     | 1.73 | ug/l   | 99       |
| 61) Pentachloroethane         | 11.436 | 117  | 4920     | 1.74 | ug/l   | 99       |
| 62) Hexachloroethane          | 12.484 | 117  | 4867     | 1.74 | ug/l   | 95       |
| 63) Ethyl Benzene             | 9.578  | 91   | 30932    | 1.78 | ug/l   | 98       |
| 64) m/p-Xylenes               | 9.703  | 106  | 23354    | 3.61 | ug/l   | 100      |
| 65) o-Xylene                  | 10.108 | 106  | 11154    | 1.75 | ug/l   | 98       |
| 66) Styrene                   | 10.124 | 104  | 19066    | 1.78 | ug/l   | 99       |
| 67) Bromoform                 | 10.301 | 173  | 3707     | 1.77 | ug/l   | 96       |
| 69) Isopropylbenzene          | 10.494 | 105  | 30641    | 1.78 | ug/l   | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.793 | 83   | 6490     | 1.78 | ug/l   | 97       |
| 71) 1,2,3-Trichloropropane    | 10.838 | 75   | 5380m    | 1.88 | ug/l   |          |
| 72) Bromobenzene              | 10.790 | 156  | 7635     | 1.76 | ug/l   | 99       |
| 73) n-propylbenzene           | 10.912 | 120  | 7962     | 1.74 | ug/l   | 97       |
| 74) 2-Chlorotoluene           | 10.992 | 126  | 7219     | 1.77 | ug/l   | 97       |
| 75) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 26261    | 1.76 | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.108 | 126  | 7360     | 1.78 | ug/l   | 93       |
| 77) tert-Butylbenzene         | 11.430 | 119  | 26667    | 1.80 | ug/l   | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 26729    | 1.78 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.652 | 105  | 33676    | 1.77 | ug/l   | 99       |
| 80) Nitrobenzene              | 13.221 | 77   | 774      | 7.60 | ug/l # | 77       |
| 81) p-Isopropyltoluene        | 11.803 | 119  | 28890    | 1.79 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.754 | 146  | 14850    | 1.82 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.844 | 146  | 14906    | 1.81 | ug/l   | 99       |
| 84) n-Butylbenzene            | 12.217 | 91   | 27240    | 1.76 | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene       | 12.221 | 146  | 13967    | 1.75 | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.008 | 75   | 1272     | 1.71 | ug/l   | 97       |
| 87) 1,2,4-Trichlorobenzene    | 13.851 | 180  | 10382    | 1.70 | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 14.031 | 225  | 5965     | 1.73 | ug/l   | 96       |
| 89) Naphthalene               | 14.098 | 128  | 19052    | 1.66 | ug/l   | 98       |
| 90) 1,2,3-Trichlorobenzene    | 14.340 | 180  | 9593     | 1.72 | ug/l   | 99       |

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

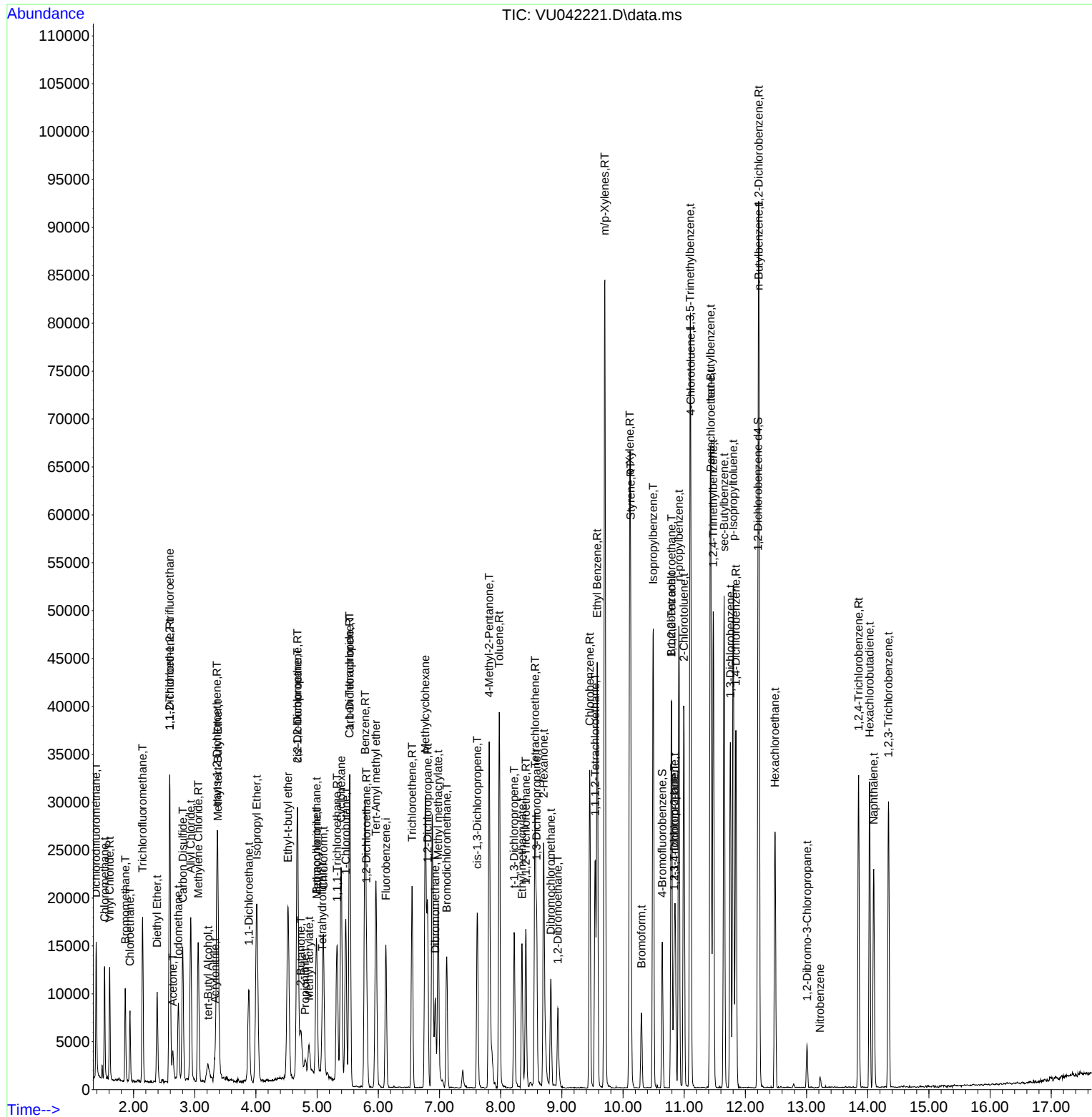
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Data File : VU042221.D  
Acq On : 29 Jan 2021 12:10  
Operator : SY/MD  
Sample : VU0129WBSD01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 7 Sample Multiplier: 1

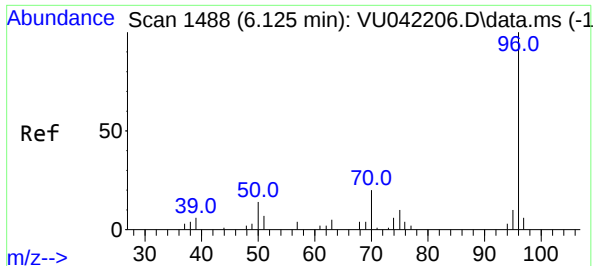
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

Manual Integrations  
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SAM  
2/4/2021 1:04:37 PM

Quant Time: Jan 30 00:49:14 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





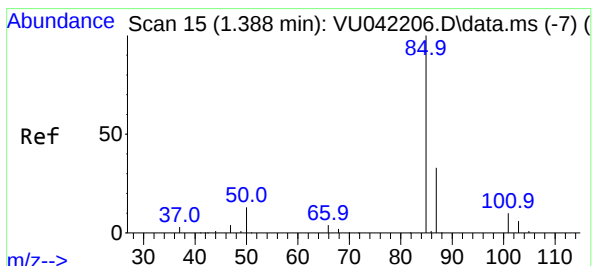
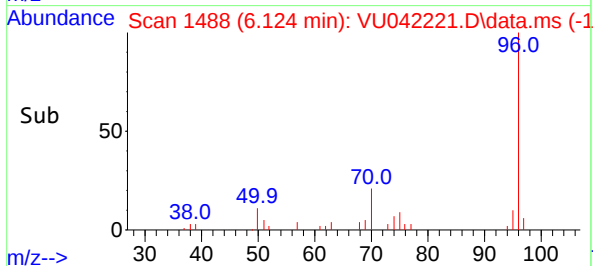
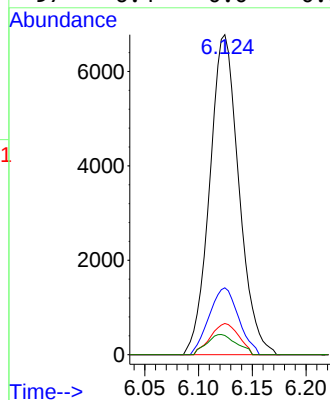
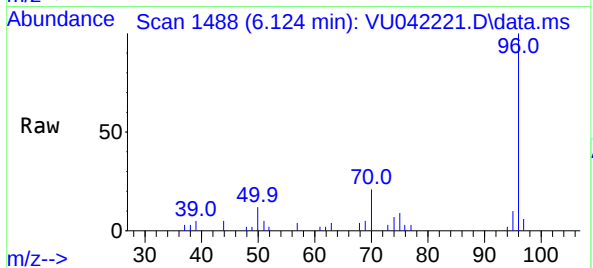
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Fluorobenzene  
Concen: 1.00 ug/l  
RT: 6.124 min Scan# 1488  
Delta R.T. -0.001 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 12803 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 21.1     | 16.3 24.5   |
| 95 9.5      | 7.6 11.4    |
| 97 6.4      | 0.0 0.0#    |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

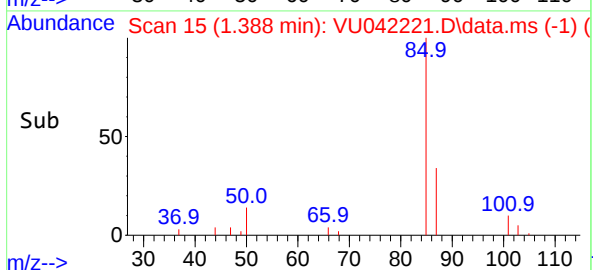
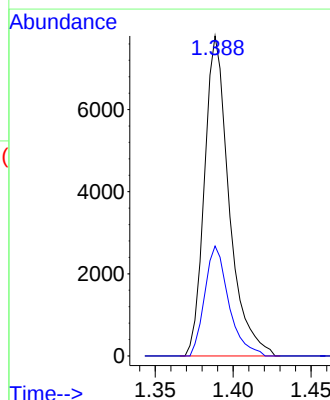
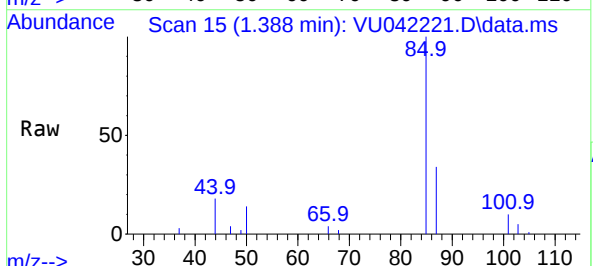
Manual Integrations  
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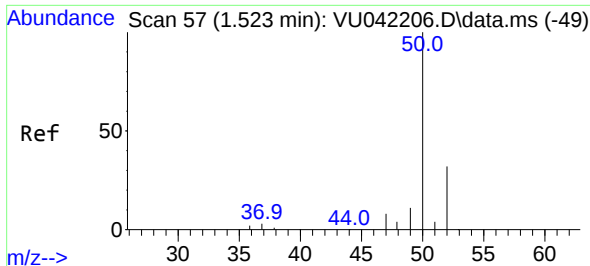
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#2  
Dichlorodifluoromethane  
Concen: 1.72 ug/l  
RT: 1.388 min Scan# 15  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 85 | Resp: 8574 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 85 100      |            |       |  |
| 87 34.3     | 16.7       | 50.1  |  |





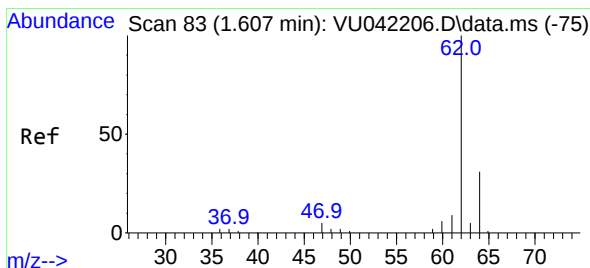
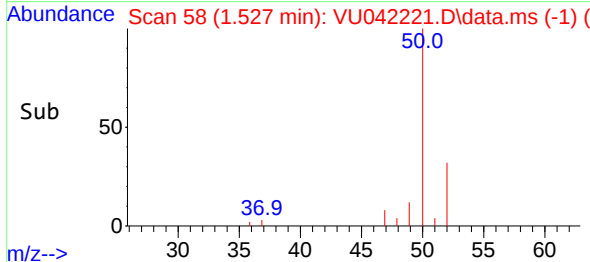
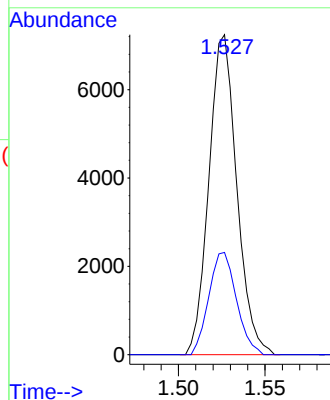
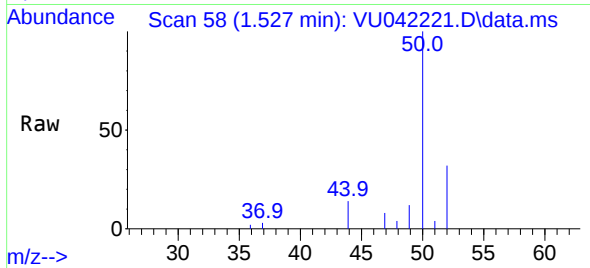
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Chloromethane  
Concen: 1.78 ug/l  
RT: 1.527 min Scan# 58  
Delta R.T. 0.004 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 50 Resp: 8103  
Ion Ratio Lower Upper  
50 100  
52 32.0 25.6 38.4

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

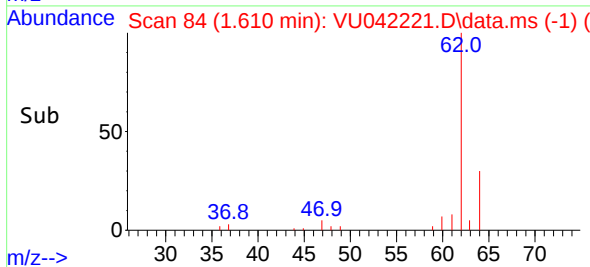
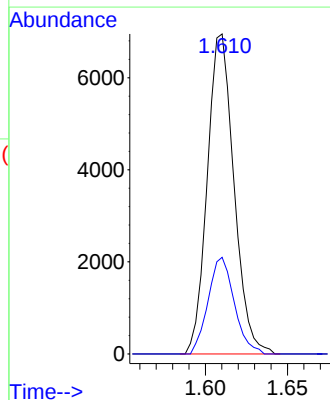
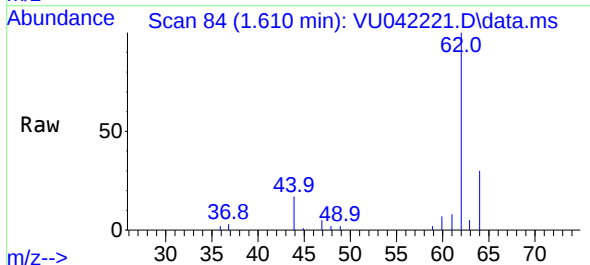
Manual Integrations  
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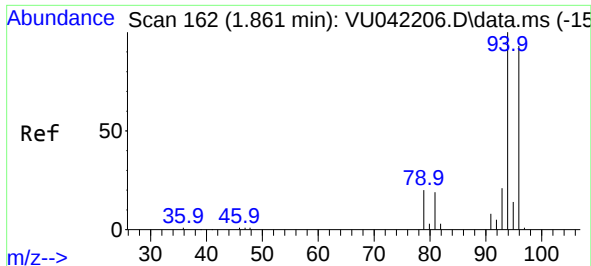
SAM  
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#4  
Vinyl Chloride  
Concen: 1.81 ug/l  
RT: 1.610 min Scan# 84  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 62 Resp: 7861  
Ion Ratio Lower Upper  
62 100  
64 30.2 25.1 37.7





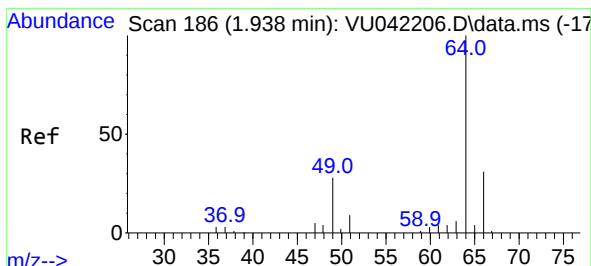
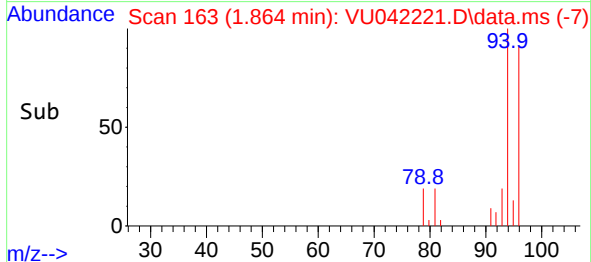
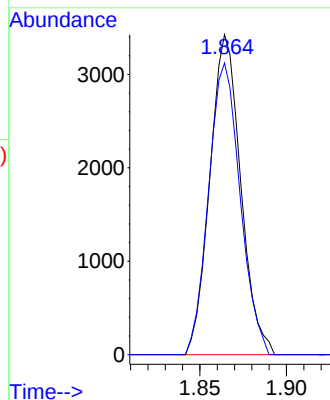
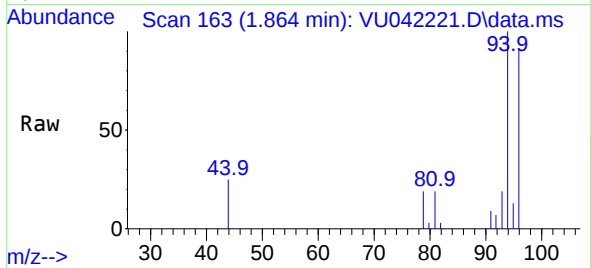
#5  
Bromomethane  
Concen: 1.97 ug/l  
RT: 1.864 min Scan# 163  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 94 Resp: 4241  
Ion Ratio Lower Upper  
94 100  
96 91.1 74.7 112.1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

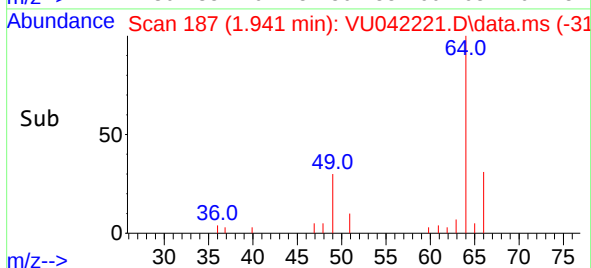
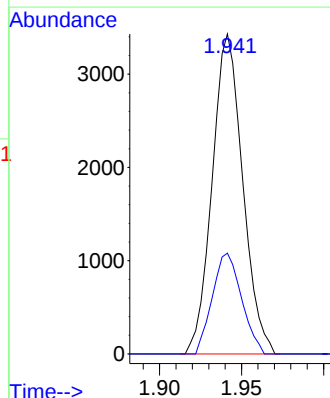
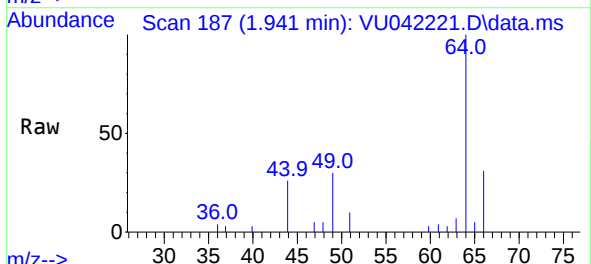
Manual Integrations  
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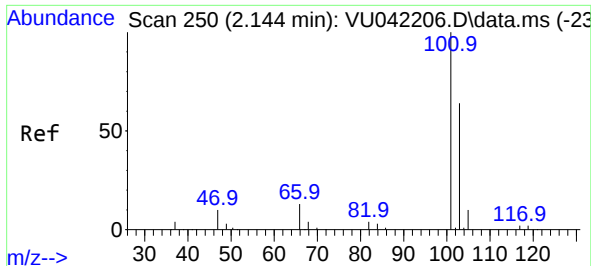
SAM  
2/4/2021 1:04:37 PM



#6  
Chloroethane  
Concen: 1.83 ug/l  
RT: 1.941 min Scan# 187  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 64 Resp: 4433  
Ion Ratio Lower Upper  
64 100  
66 31.5 25.0 37.4





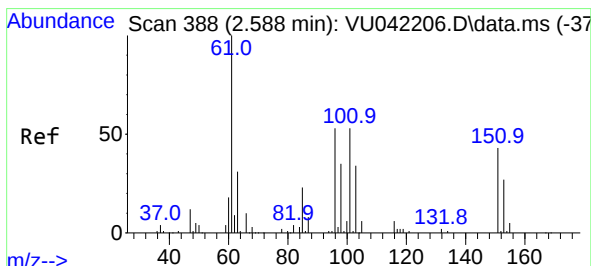
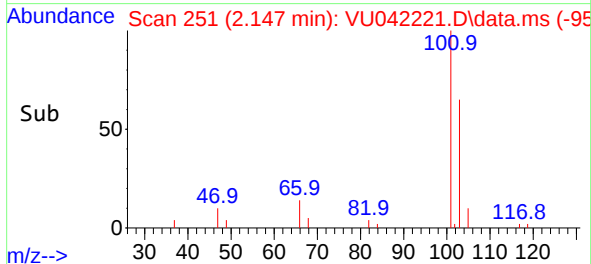
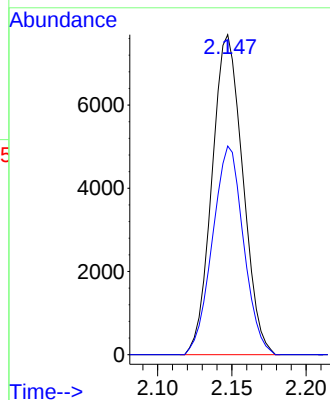
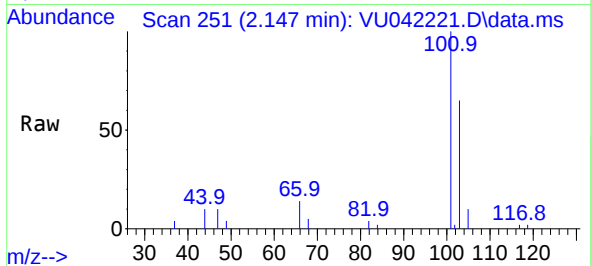
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Trichlorofluoromethane  
Concen: 1.83 ug/l  
RT: 2.147 min Scan# 251  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion:101 Resp: 11094  
Ion Ratio Lower Upper  
101 100  
103 65.2 51.5 77.3

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

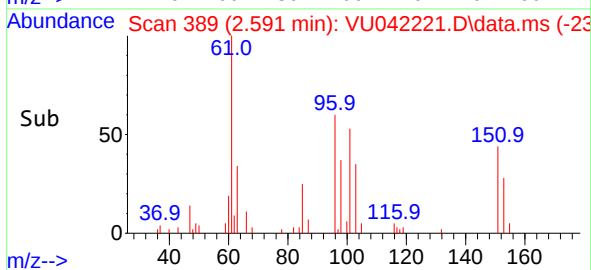
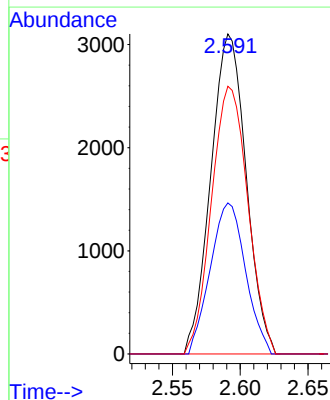
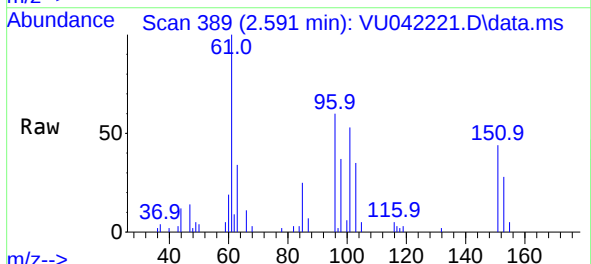
Manual Integrations  
APPROVED

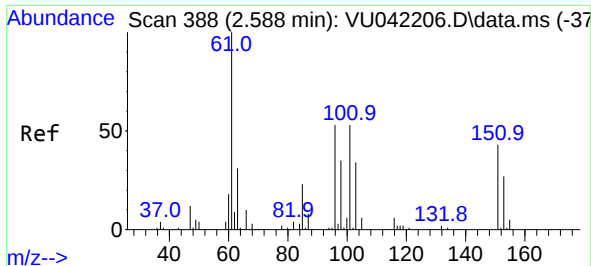
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#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 1.73 ug/l  
RT: 2.591 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion:101 Resp: 5629  
Ion Ratio Lower Upper  
101 100  
85 47.0 36.1 54.1  
151 85.9 64.6 97.0





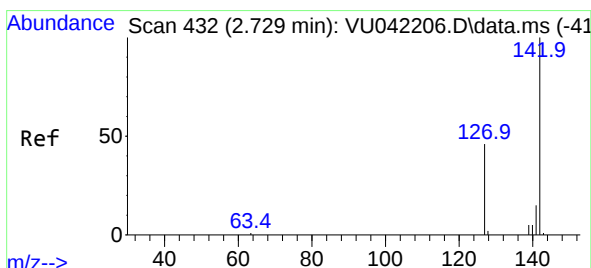
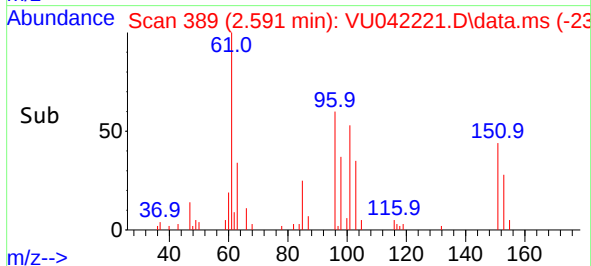
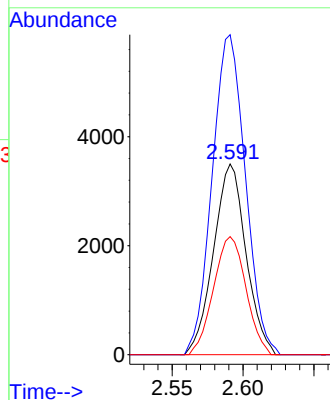
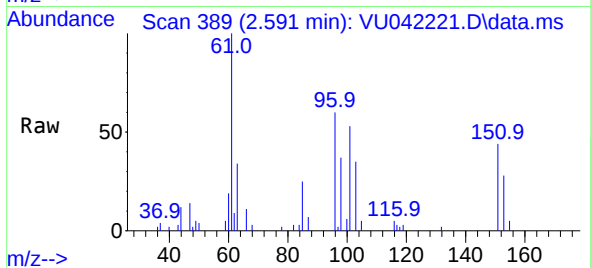
#9  
1,1-Dichloroethene  
Concen: 1.92 ug/l  
RT: 2.591 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 96 Resp: 5586  
Ion Ratio Lower Upper  
96 100  
61 167.8 0.0 565.8  
98 61.9 0.0 131.2

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

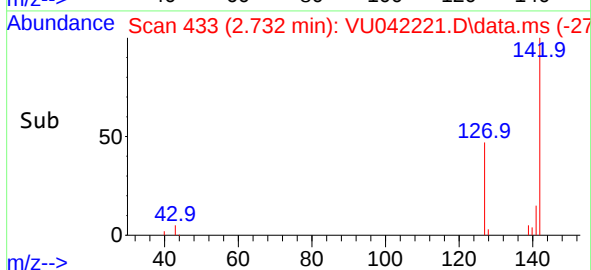
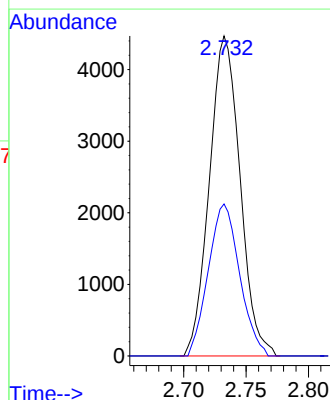
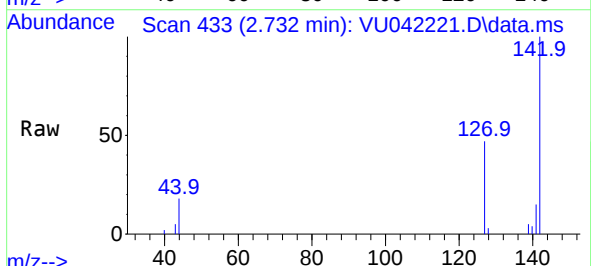
Manual Integrations  
APPROVED

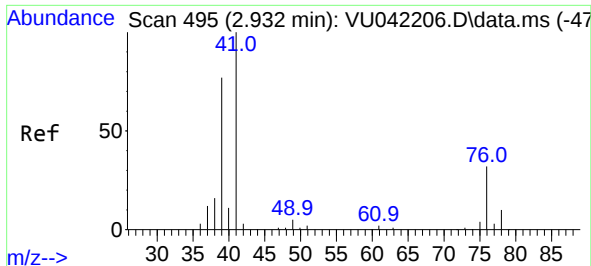
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#10  
Iodomethane  
Concen: 1.80 ug/l  
RT: 2.732 min Scan# 433  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

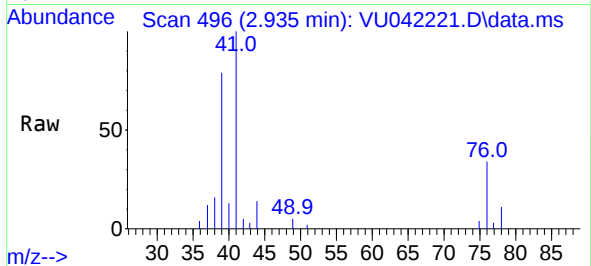
Tgt Ion: 142 Resp: 7658  
Ion Ratio Lower Upper  
142 100  
127 48.4 37.1 55.7





#11  
 Allyl Chloride  
 Concen: 1.83 ug/l  
 RT: 2.935 min Scan# 496  
 Delta R.T. 0.003 min  
 Lab File: VU042221.D  
 Acq: 29 Jan 2021 12:10

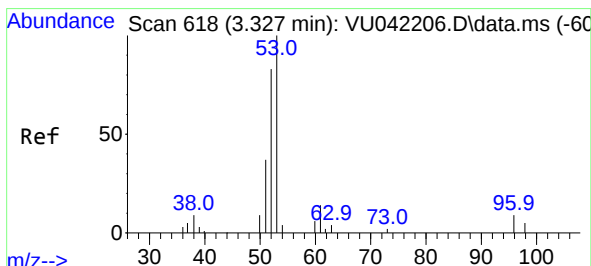
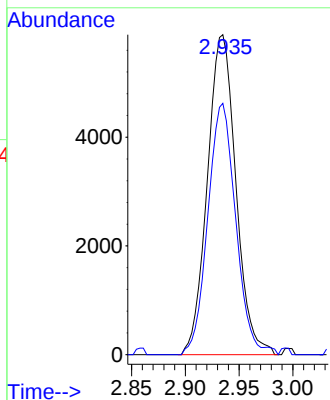
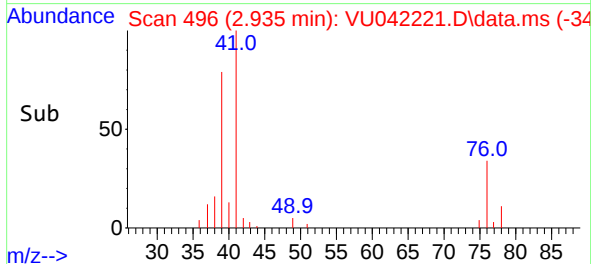
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0129WBSD01



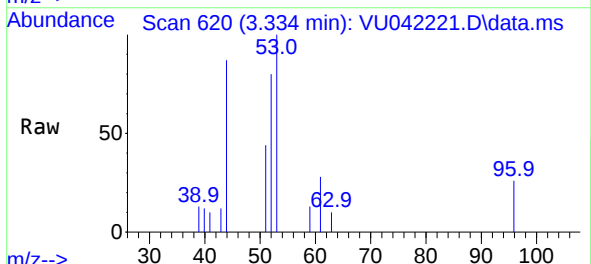
Tgt Ion: 41 Resp: 10882  
 Ion Ratio Lower Upper  
 41 100  
 39 76.9 61.8 92.6

Manual Integrations  
 APPROVED

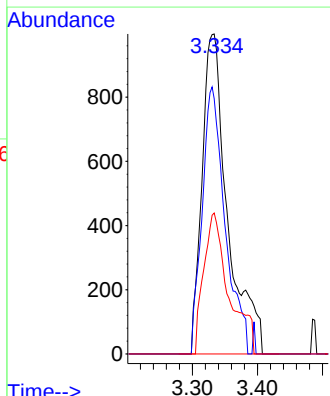
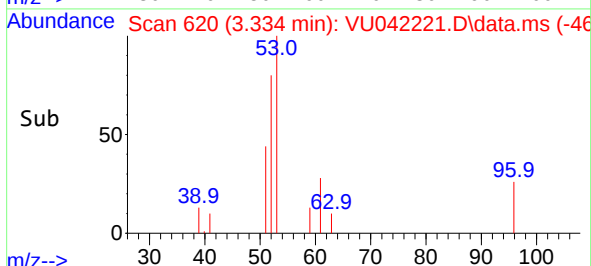
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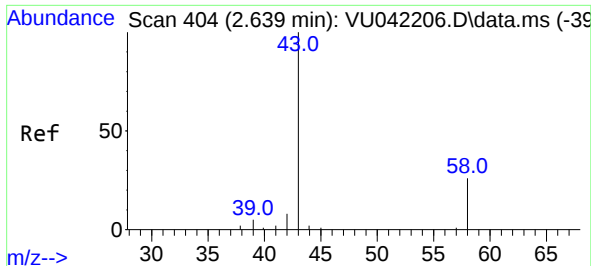


#12  
 Acrylonitrile  
 Concen: 3.64 ug/l m  
 RT: 3.334 min Scan# 620  
 Delta R.T. 0.007 min  
 Lab File: VU042221.D  
 Acq: 29 Jan 2021 12:10



Tgt Ion: 53 Resp: 2723  
 Ion Ratio Lower Upper  
 53 100  
 52 74.7 63.7 95.5  
 51 43.3 32.7 49.1





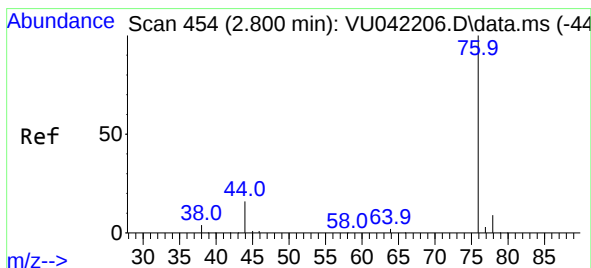
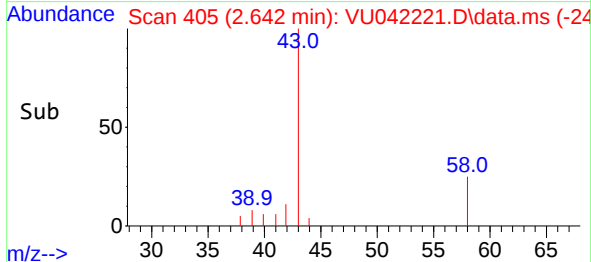
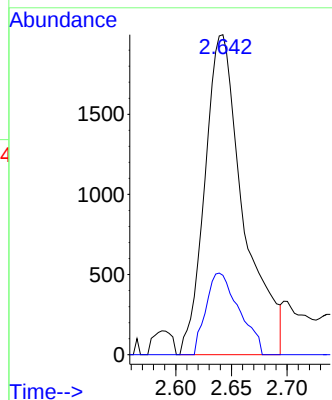
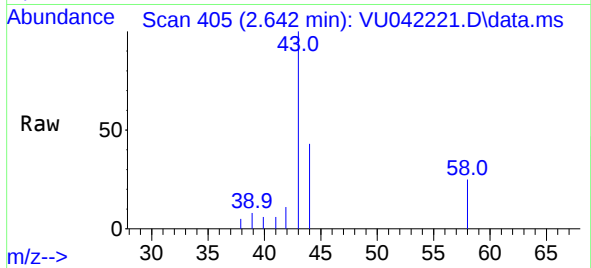
#13  
Acetone  
Concen: 9.63 ug/l  
RT: 2.642 min Scan# 405  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 43 Resp: 4794  
Ion Ratio Lower Upper  
43 100  
58 24.8 21.2 31.8

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

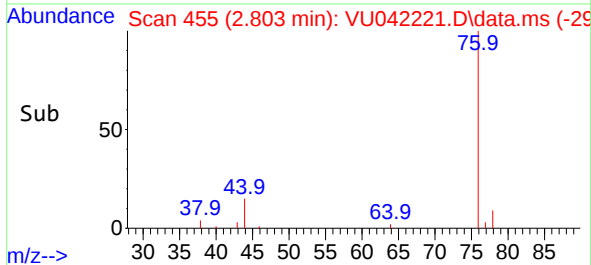
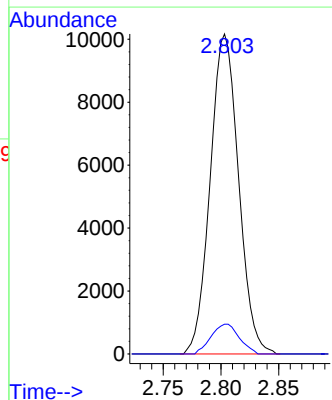
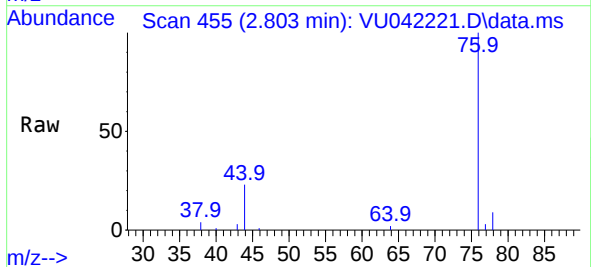
Manual Integrations  
APPROVED

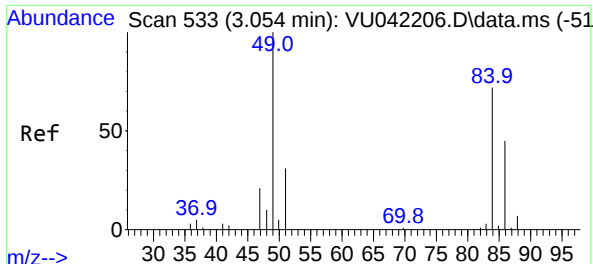
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#14  
Carbon Disulfide  
Concen: 1.82 ug/l  
RT: 2.803 min Scan# 455  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

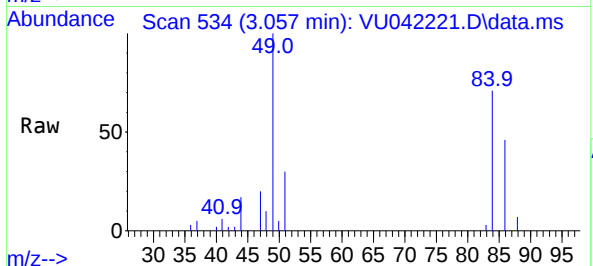
Tgt Ion: 76 Resp: 17358  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0





#15  
Methylene Chloride  
Concen: 1.72 ug/l  
RT: 3.057 min Scan# 534  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

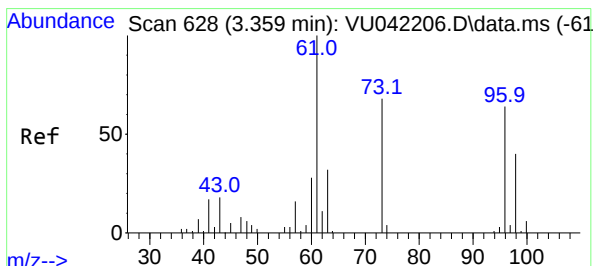
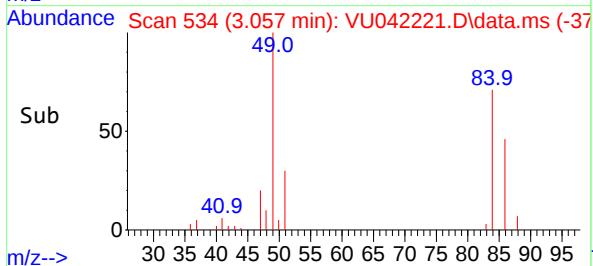
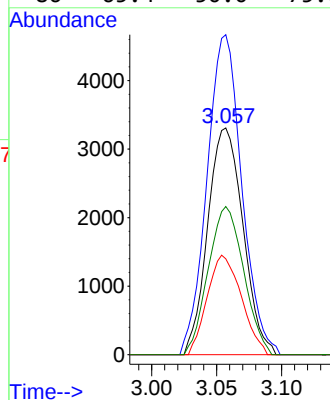


Tgt Ion: 84 Resp: 6261

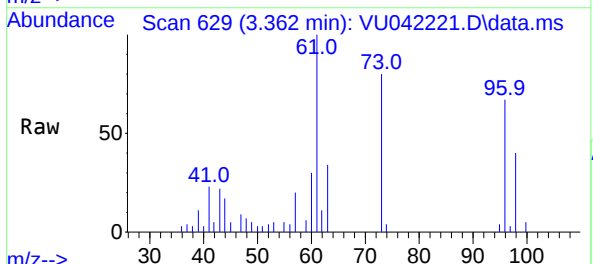
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 141.2 | 111.8 | 167.6 |
| 51  | 42.3  | 0.0   | 85.4  |
| 86  | 65.4  | 50.0  | 75.0  |

Manual Integrations  
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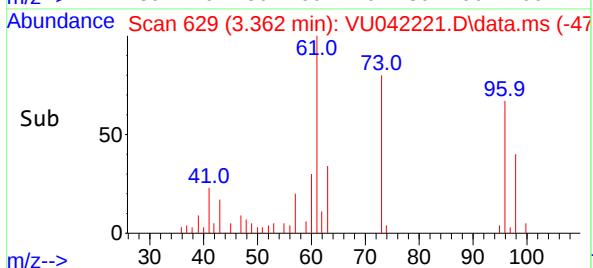
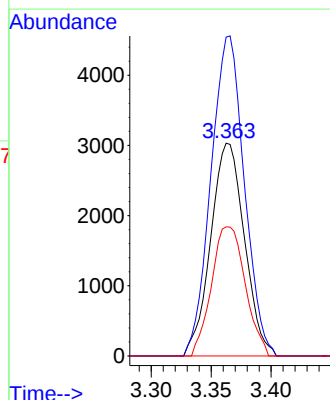


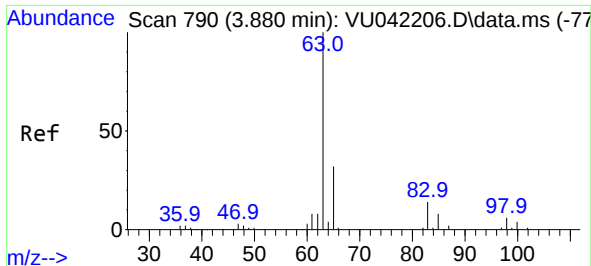
#16  
trans-1,2-Dichloroethene  
Concen: 1.89 ug/l  
RT: 3.362 min Scan# 629  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10



Tgt Ion: 96 Resp: 5937

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 149.8 | 124.2 | 186.4 |
| 98  | 60.7  | 49.7  | 74.5  |





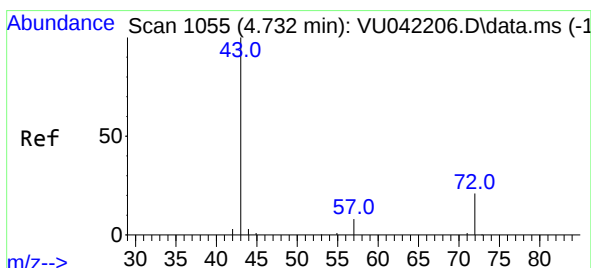
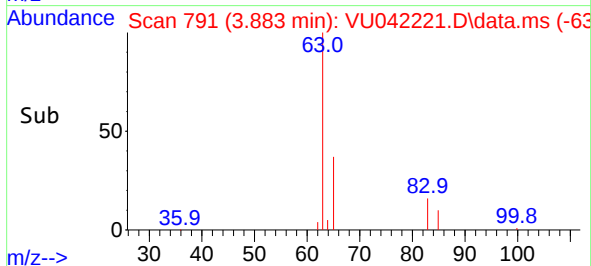
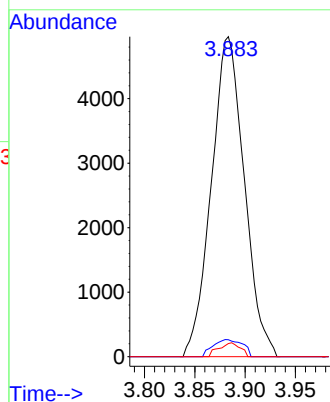
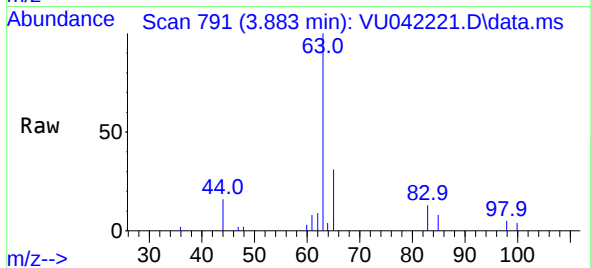
#17  
1,1-Dichloroethane  
Concen: 1.81 ug/l  
RT: 3.883 min Scan# 791  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 11303 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 5.3   | 3.0   | 9.0   |
| 100       | 4.1   | 2.1   | 6.2   |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

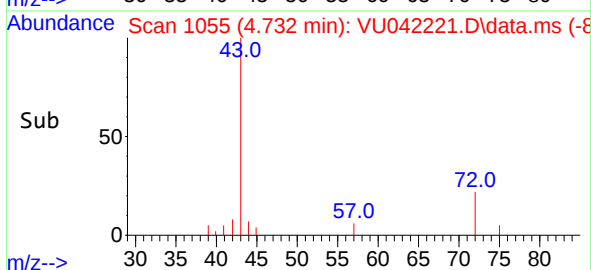
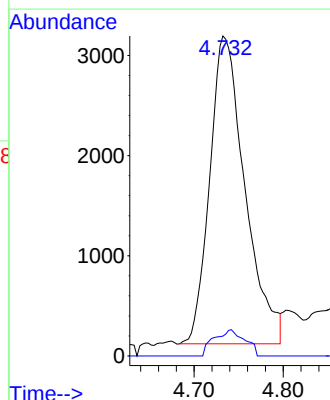
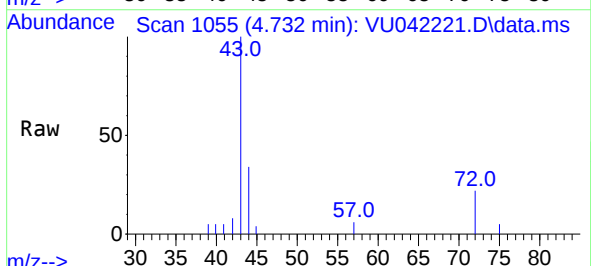
Manual Integrations  
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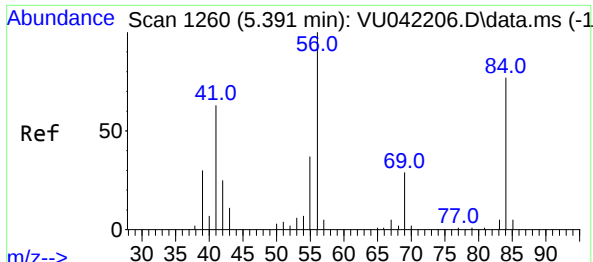
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#18  
2-Butanone  
Concen: 8.60 ug/l  
RT: 4.732 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 43    | Resp: | 8432 |
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 57        | 6.4   | 0.0   | 16.4 |





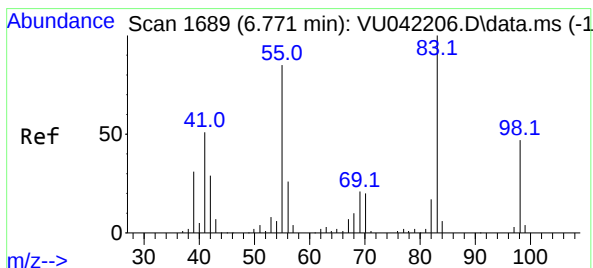
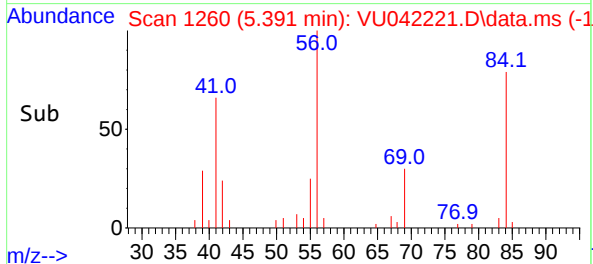
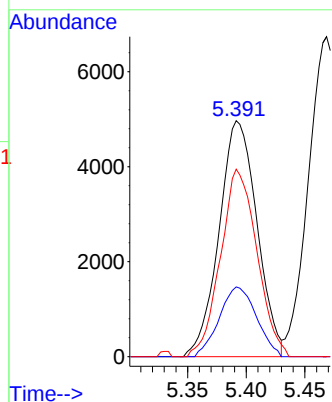
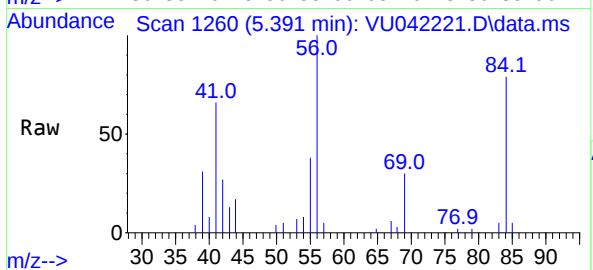
#19  
Cyclohexane  
Concen: 1.79 ug/l m  
RT: 5.391 min Scan# 1260  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 11182 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 28.9  | 23.4  | 35.2  |
| 84        | 76.3  | 62.0  | 93.0  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

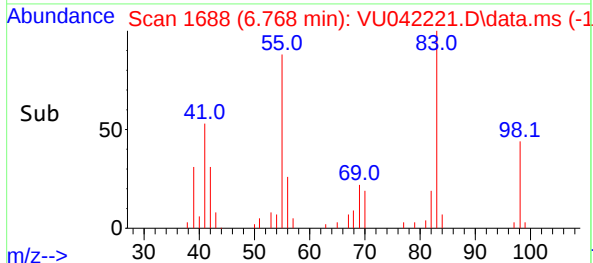
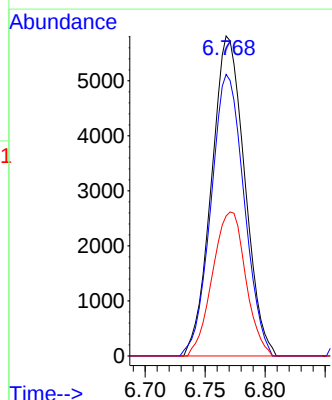
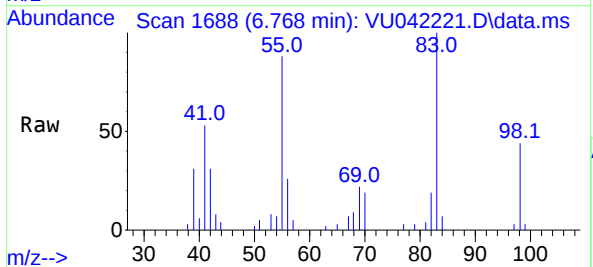
Manual Integrations  
APPROVED

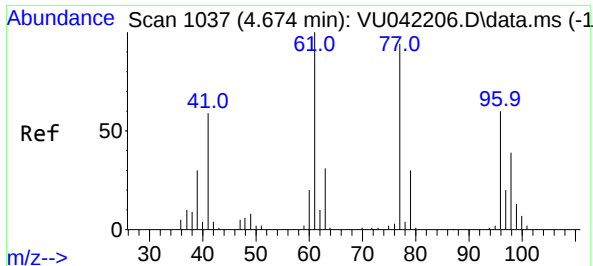
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#20  
Methylcyclohexane  
Concen: 1.73 ug/l  
RT: 6.768 min Scan# 1688  
Delta R.T. -0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 11175 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 87.9  | 68.4  | 102.6 |
| 98        | 45.0  | 36.6  | 55.0  |





#21

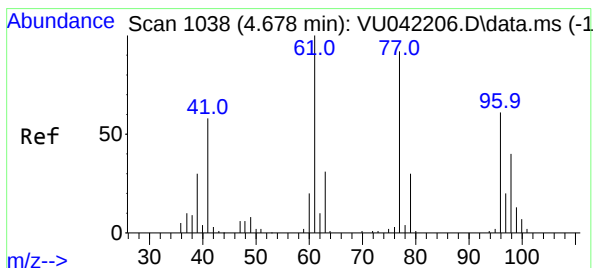
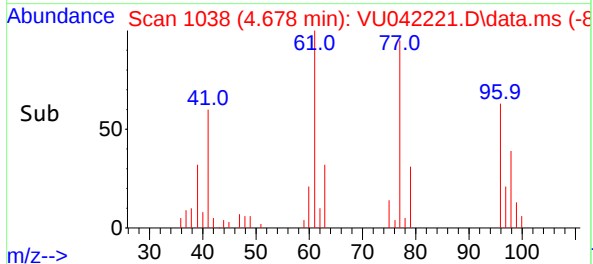
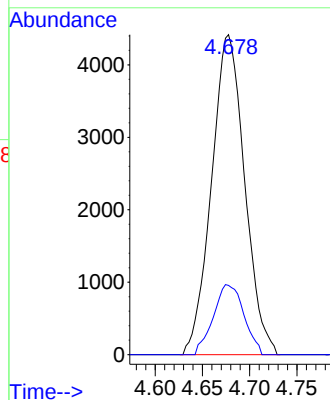
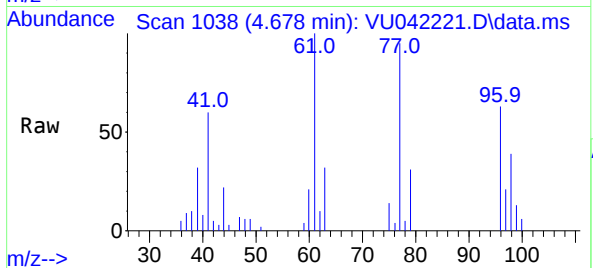
2,2-Dichloropropane  
Concen: 1.80 ug/l  
RT: 4.678 min Scan# 1038  
Delta R.T. 0.004 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 77 Resp: 10767  
Ion Ratio Lower Upper  
77 100  
97 20.2 16.9 25.3

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

Manual Integrations  
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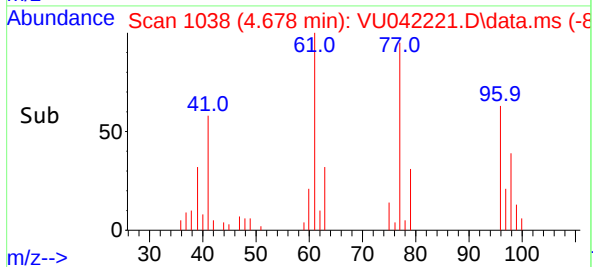
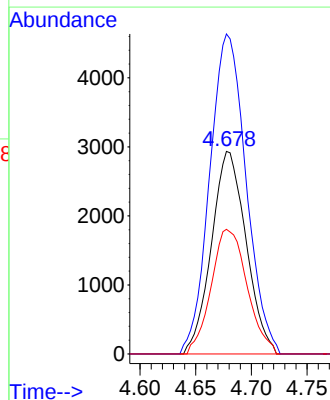
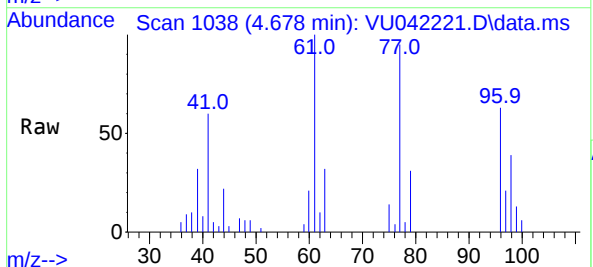
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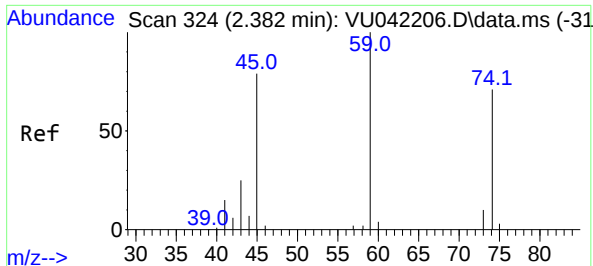


#22

cis-1,2-Dichloroethene  
Concen: 1.82 ug/l  
RT: 4.678 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 96 Resp: 6354  
Ion Ratio Lower Upper  
96 100  
61 165.6 0.0 416.2  
98 63.8 32.7 98.1





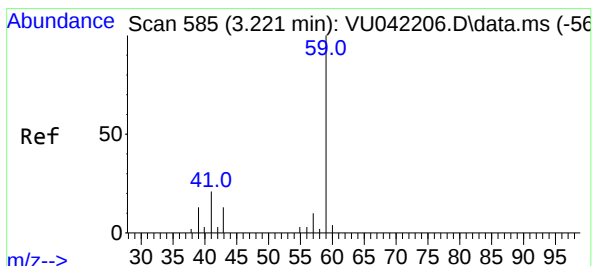
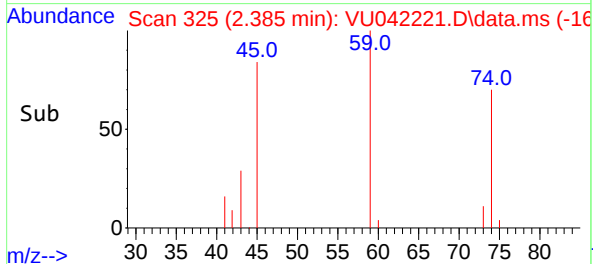
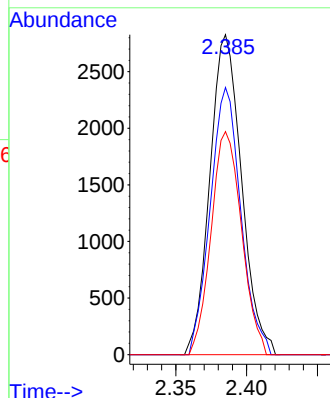
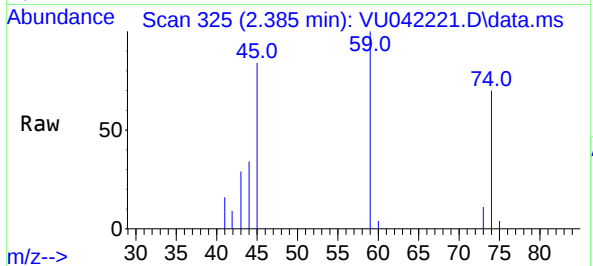
#23  
Diethyl Ether  
Concen: 1.84 ug/l  
RT: 2.385 min Scan# 325  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|             |             |
|-------------|-------------|
| Tgt Ion: 59 | Resp: 4399  |
| Ion Ratio   | Lower Upper |
| 59 100      |             |
| 45 80.6     | 63.8 95.8   |
| 74 67.0     | 56.3 84.5   |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

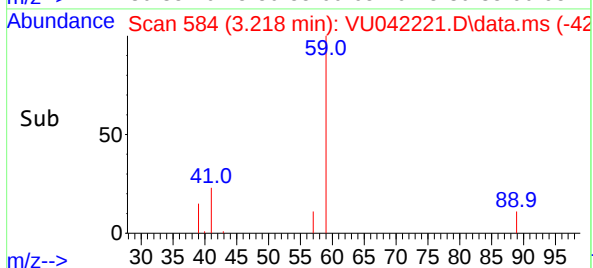
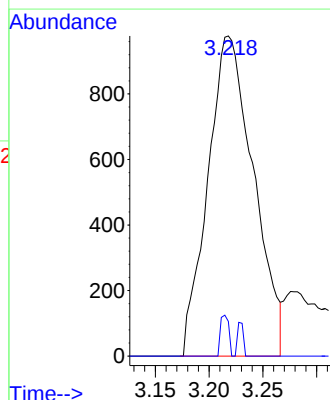
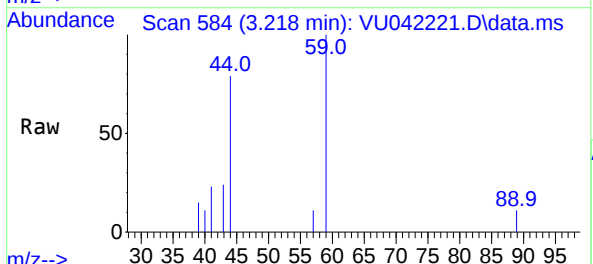
Manual Integrations  
APPROVED

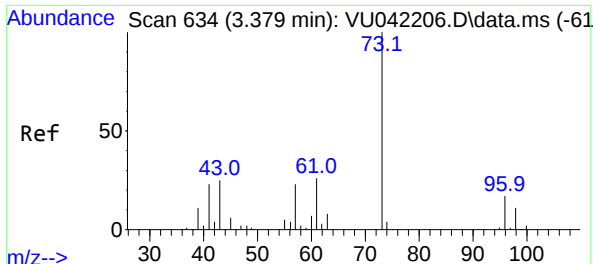
SAM  
2/4/2021 1:04:37 PM



#24  
tert-Butyl Alcohol  
Concen: 16.21 ug/l  
RT: 3.218 min Scan# 584  
Delta R.T. -0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|             |             |
|-------------|-------------|
| Tgt Ion: 59 | Resp: 2884  |
| Ion Ratio   | Lower Upper |
| 59 100      |             |
| 57 0.0      | 8.4 12.6#   |





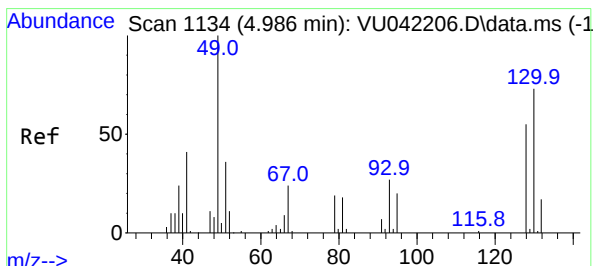
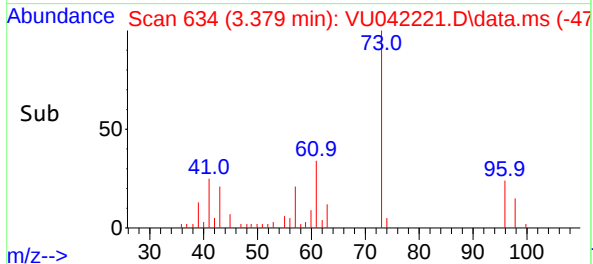
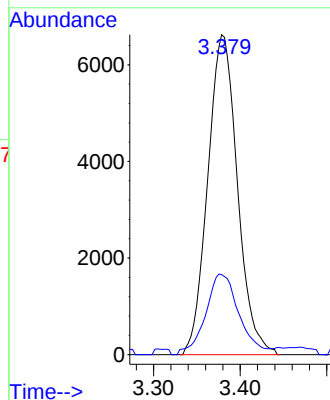
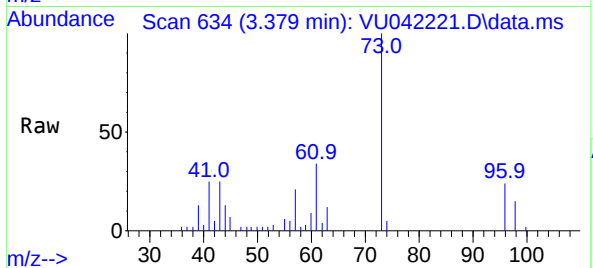
#25  
Methyl tert-Butyl Ether  
Concen: 1.82 ug/l  
RT: 3.379 min Scan# 634  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 73 Resp: 15784  
Ion Ratio Lower Upper  
73 100  
43 28.4 20.3 30.5

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

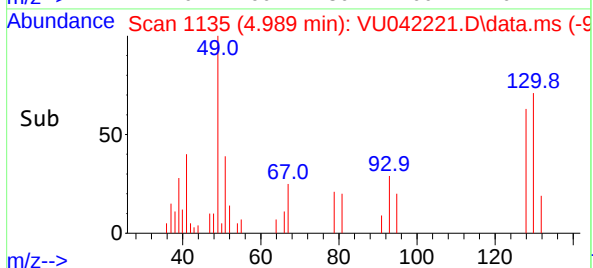
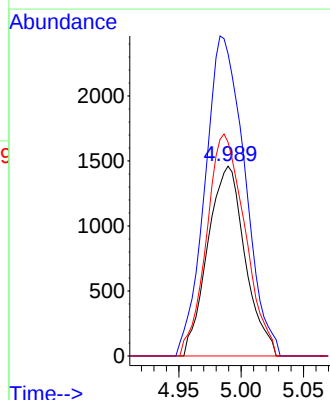
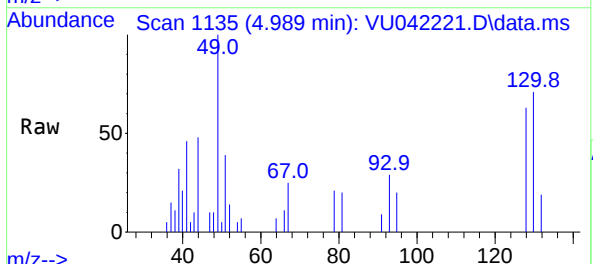
Manual Integrations  
APPROVED

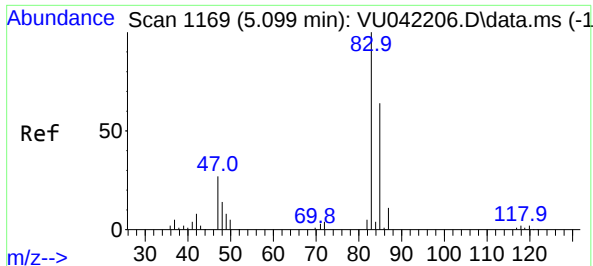
SAM  
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#26  
Bromochloromethane  
Concen: 1.93 ug/l  
RT: 4.989 min Scan# 1135  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 128 Resp: 3051  
Ion Ratio Lower Upper  
128 100  
49 178.8 0.0 360.6  
130 120.1 103.7 155.5





#27

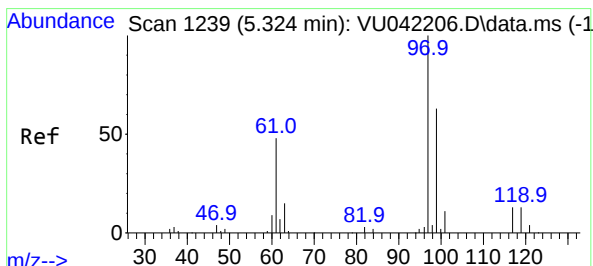
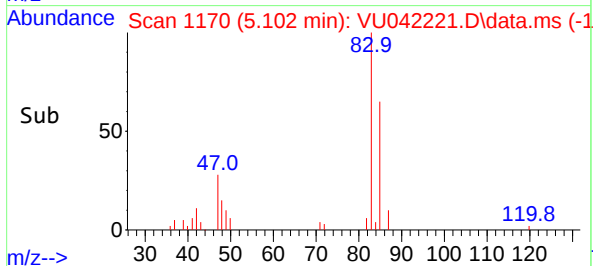
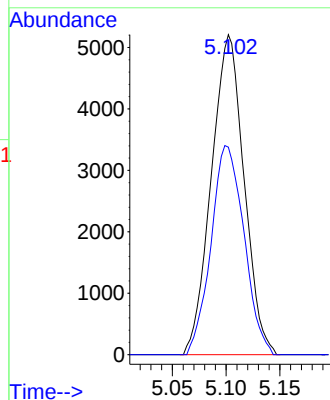
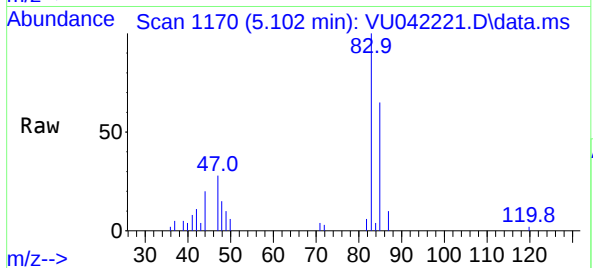
Chloroform  
Concen: 1.78 ug/l  
RT: 5.102 min Scan# 1170  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 83 Resp: 11028  
Ion Ratio Lower Upper  
83 100  
85 64.8 0.0 128.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

Manual Integrations  
APPROVED

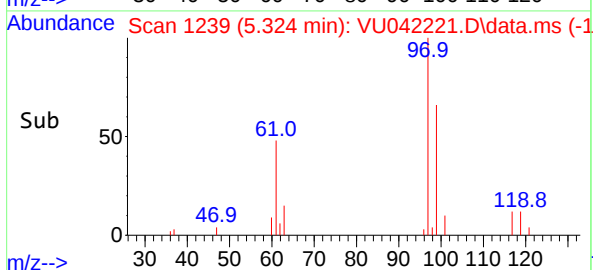
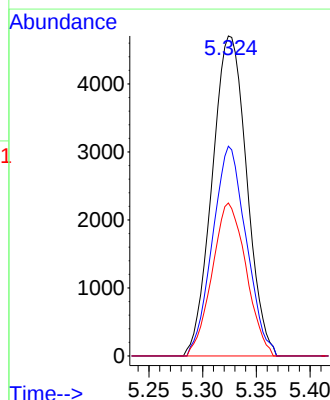
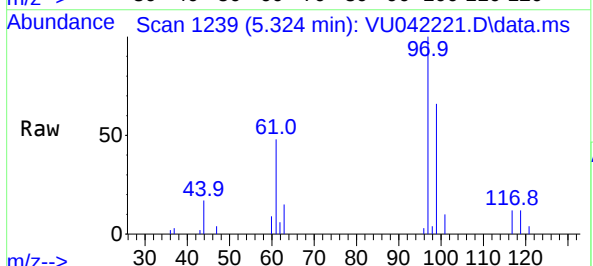
SAM  
2/4/2021 1:04:37 PM

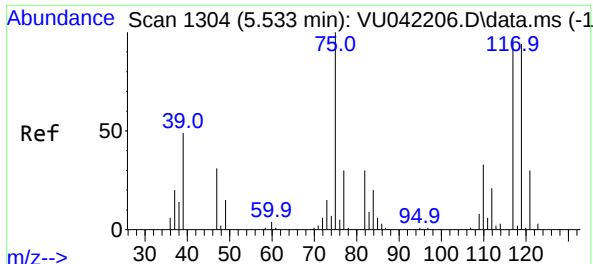


#28

1,1,1-Trichloroethane  
Concen: 1.83 ug/l  
RT: 5.324 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 97 Resp: 10518  
Ion Ratio Lower Upper  
97 100  
99 64.0 31.9 95.7  
61 47.0 23.3 69.8





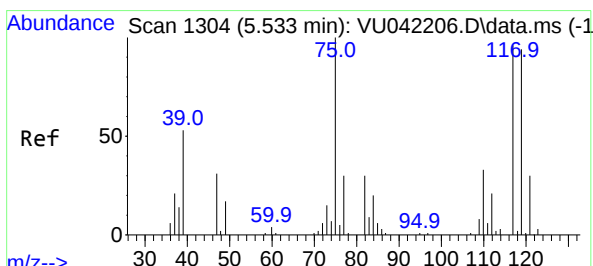
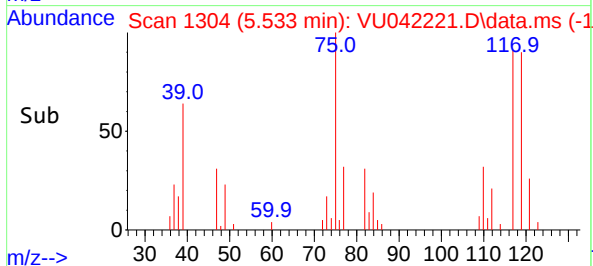
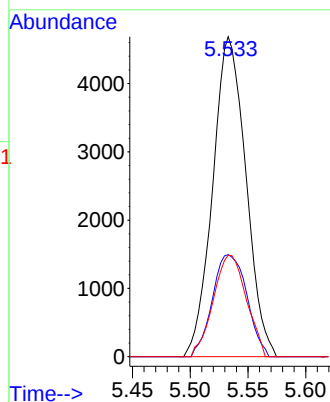
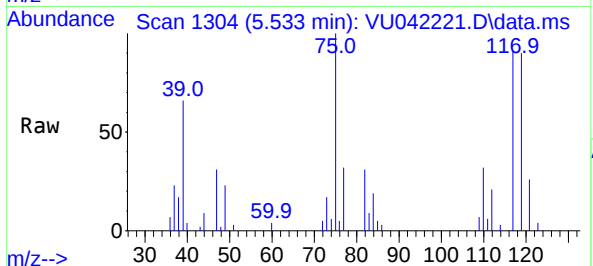
#29  
1,1-Dichloropropene  
Concen: 1.76 ug/l  
RT: 5.533 min Scan# 1304  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9347  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 33.1  | 16.4  | 49.2  |
| 77       | 31.6  | 24.6  | 36.8  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

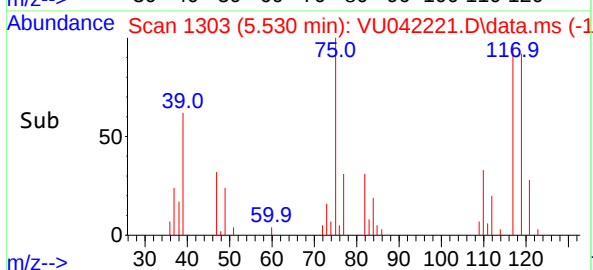
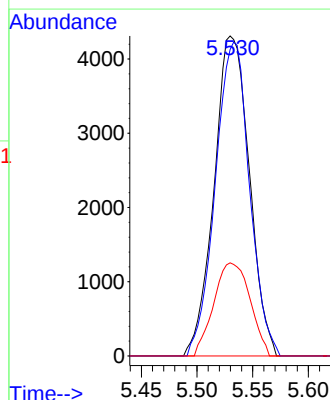
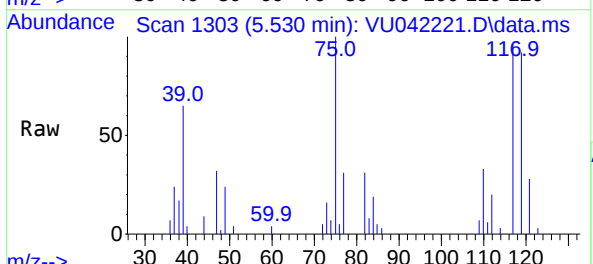
Manual Integrations  
APPROVED

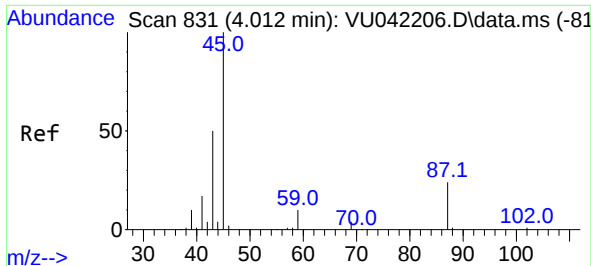
SAM  
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#30  
Carbon Tetrachloride  
Concen: 1.75 ug/l  
RT: 5.530 min Scan# 1303  
Delta R.T. -0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 9477  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.7  | 78.1  | 117.1 |
| 121      | 29.1  | 25.1  | 37.7  |





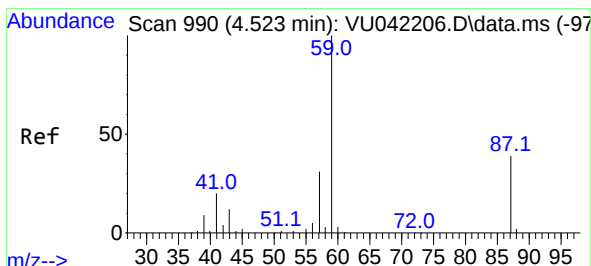
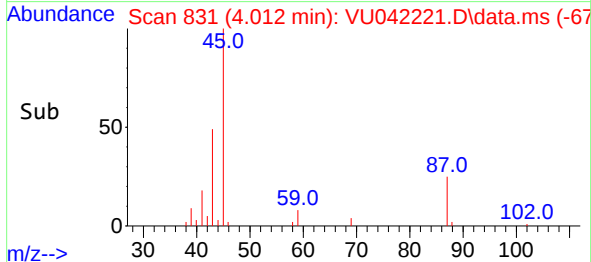
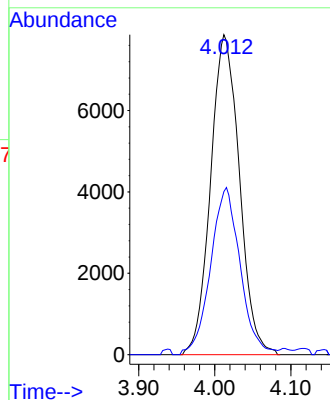
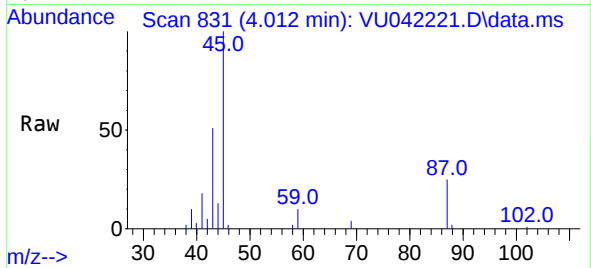
#31  
Isopropyl Ether  
Concen: 1.78 ug/l  
RT: 4.012 min Scan# 831  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 45 Resp: 20711  
Ion Ratio Lower Upper  
45 100  
43 53.6 25.4 76.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

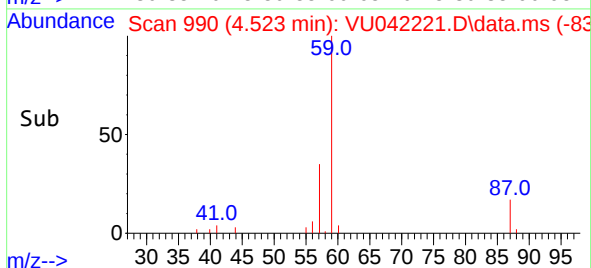
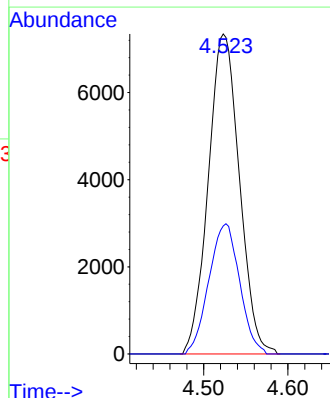
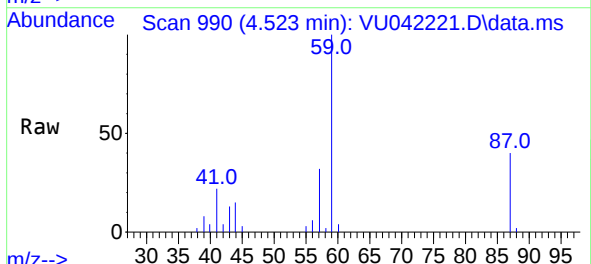
Manual Integrations  
APPROVED

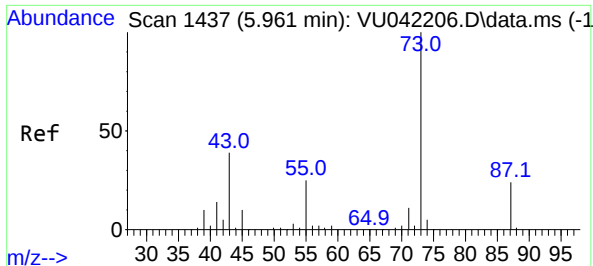
SAM  
2/4/2021 1:04:37 PM



#32  
Ethyl-t-butyl ether  
Concen: 1.80 ug/l  
RT: 4.523 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 59 Resp: 18833  
Ion Ratio Lower Upper  
59 100  
87 40.1 31.0 46.4





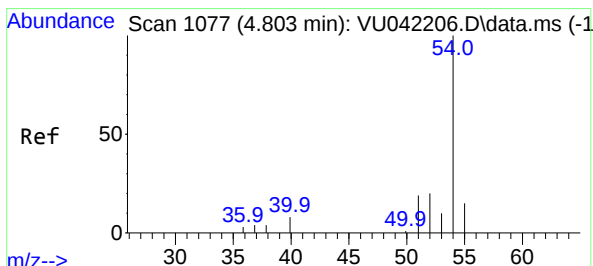
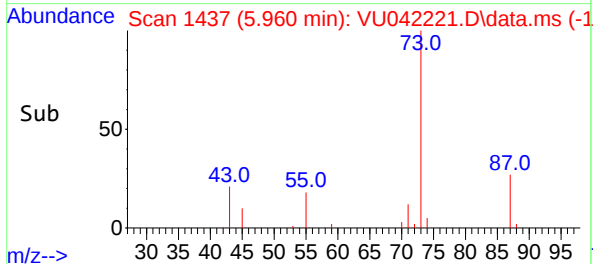
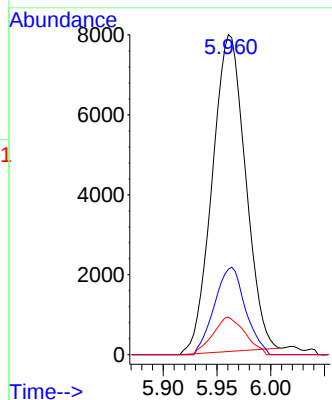
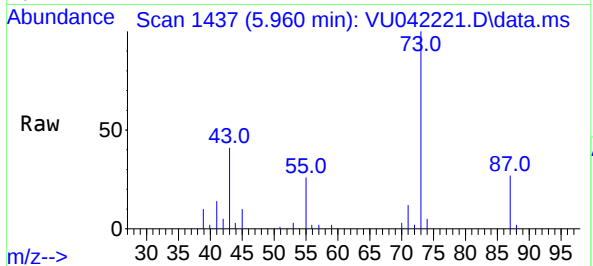
#33  
Tert-Amyl methyl ether  
Concen: 1.73 ug/l  
RT: 5.960 min Scan# 1437  
Delta R.T. -0.001 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 17005 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 87 25.8     | 19.4 29.2   |
| 71 11.5     | 9.0 13.6    |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

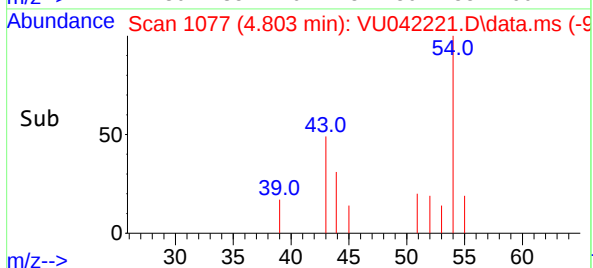
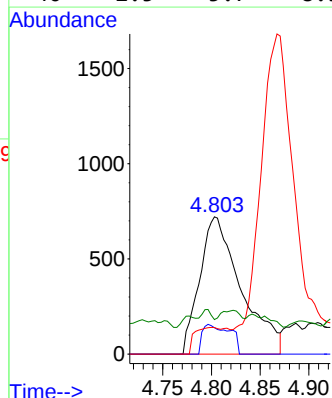
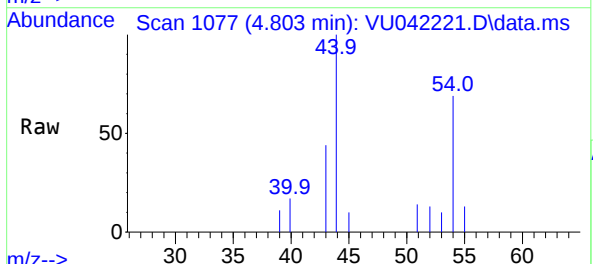
Manual Integrations  
APPROVED

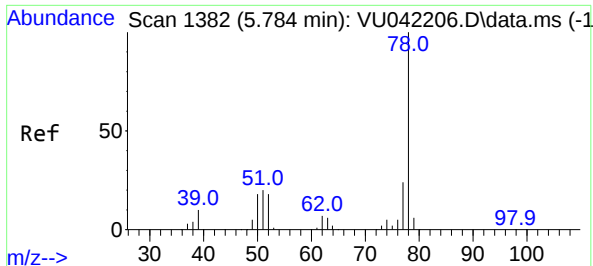
SAM  
2/4/2021 1:04:37 PM



#34  
Propionitrile  
Concen: 8.57 ug/l  
RT: 4.803 min Scan# 1077  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion: 54 | Resp: | 2139  |
| Ion | Ratio   | Lower | Upper |
| 54  | 100     |       |       |
| 52  | 14.2    | 14.8  | 22.2# |
| 55  | 11.7    | 7.4   | 11.2# |
| 40  | 2.5     | 5.7   | 8.5#  |





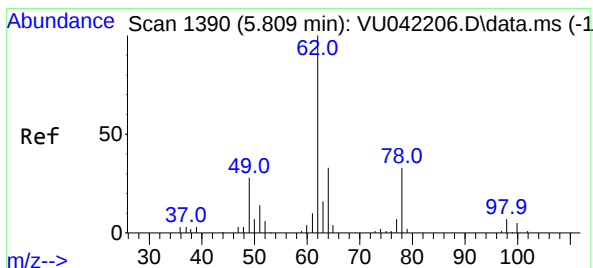
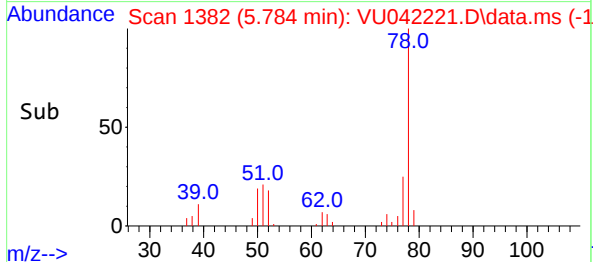
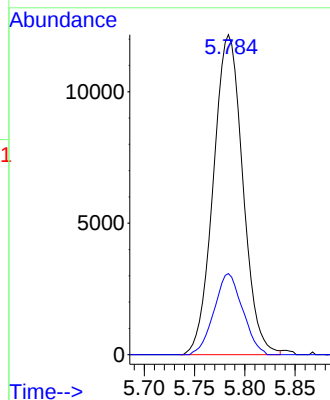
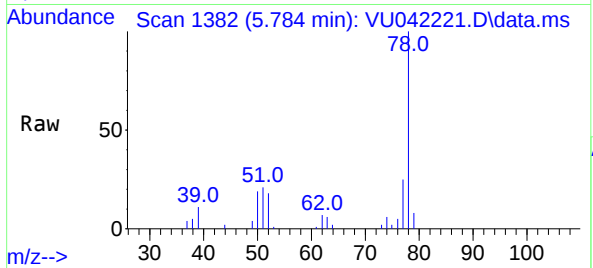
#35  
Benzene  
Concen: 1.75 ug/l  
RT: 5.784 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 78 Resp: 24817  
Ion Ratio Lower Upper  
78 100  
77 25.3 19.4 29.2

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

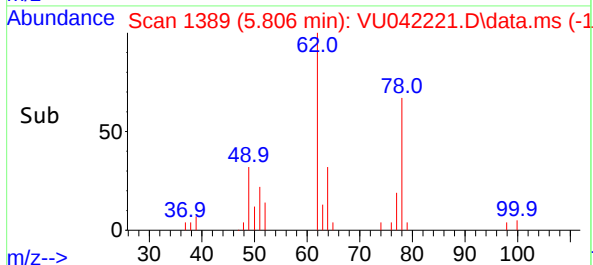
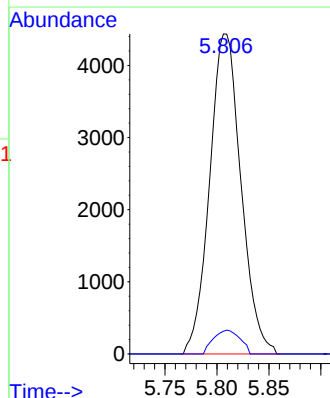
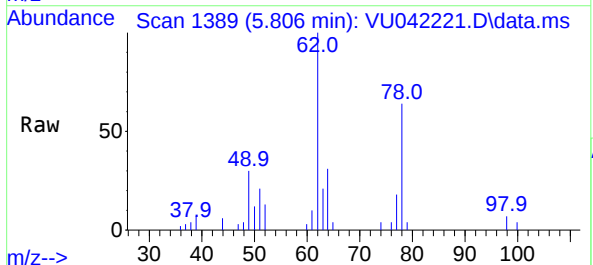
Manual Integrations  
APPROVED

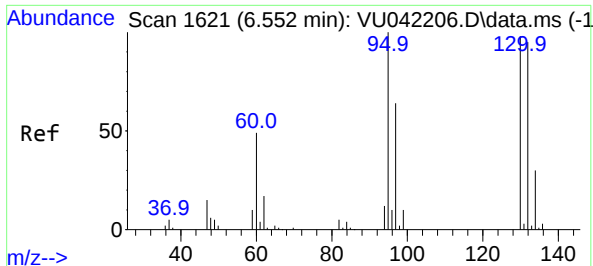
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#36  
1,2-Dichloroethane  
Concen: 1.82 ug/l  
RT: 5.806 min Scan# 1389  
Delta R.T. -0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 62 Resp: 9313  
Ion Ratio Lower Upper  
62 100  
98 6.3 5.8 8.8





#37

Trichloroethene

Concen: 1.79 ug/l

RT: 6.552 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VU042221.D

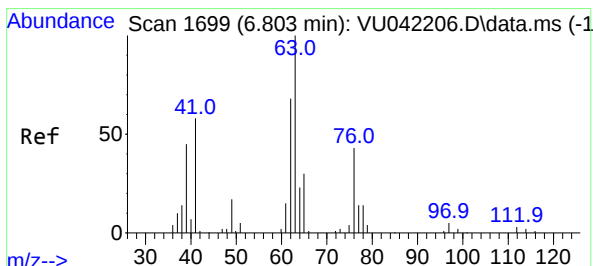
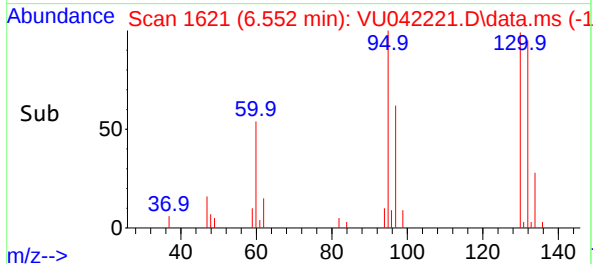
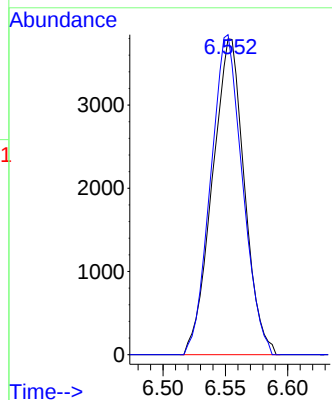
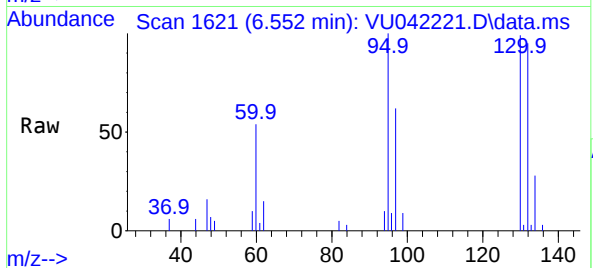
Acq: 29 Jan 2021 12:10

Tgt Ion:130 Resp: 6800

Ion Ratio Lower Upper

130 100

95 101.3 81.4 122.0



#38

1,2-Dichloropropane

Concen: 1.82 ug/l

RT: 6.806 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU042221.D

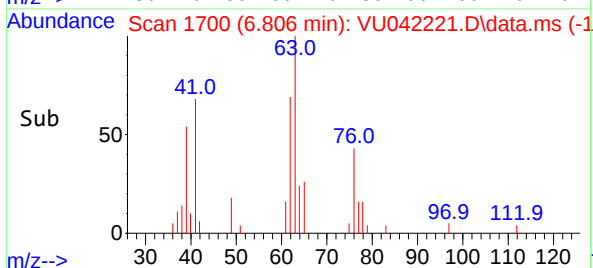
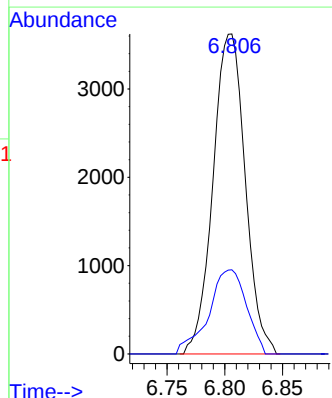
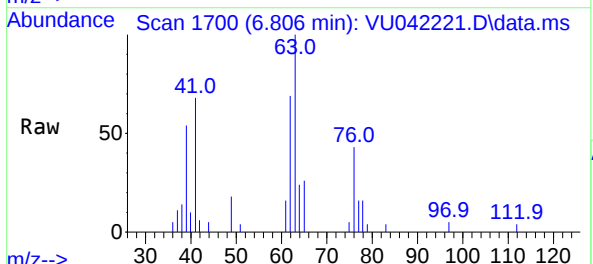
Acq: 29 Jan 2021 12:10

Tgt Ion: 63 Resp: 7028

Ion Ratio Lower Upper

63 100

65 26.3 23.8 35.6



Instrument :

MSVOA\_U

ClientSampleId :

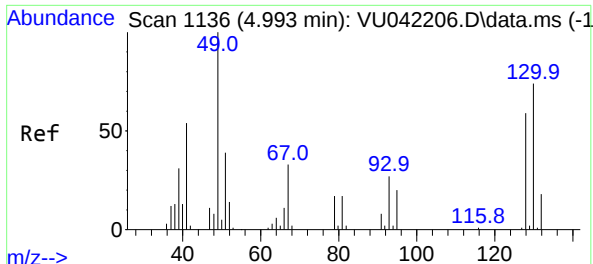
VU0129WBSD01

Manual Integrations

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#39  
Methacrylonitrile  
Concen: 1.73 ug/l m  
RT: 4.993 min Scan# 1136  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

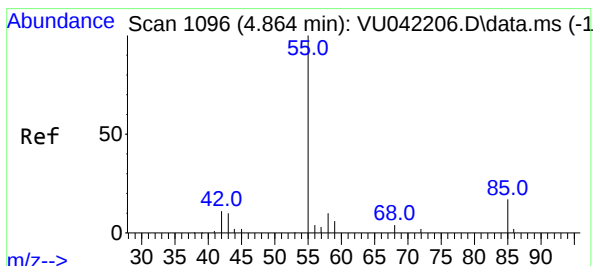
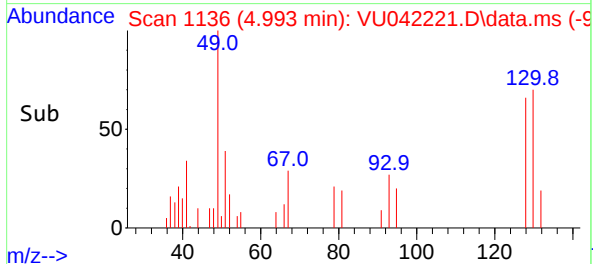
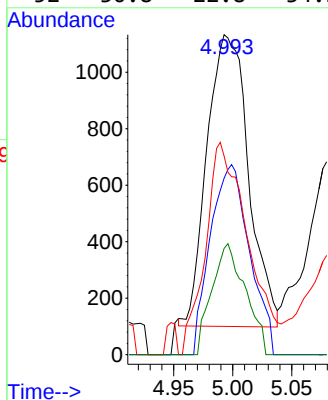
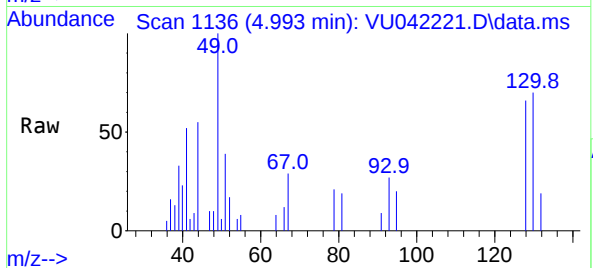
Tgt Ion: 41 Resp: 2523

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 67  | 61.6  | 50.4  | 75.6  |
| 39  | 75.0  | 44.4  | 66.6# |
| 52  | 30.8  | 22.8  | 34.2  |

Instrument :  
MSVOA\_U  
ClientSampled :  
VU0129WBSD01

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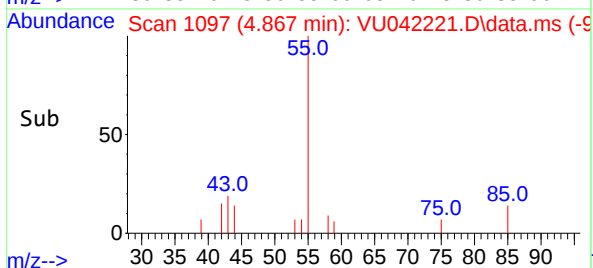
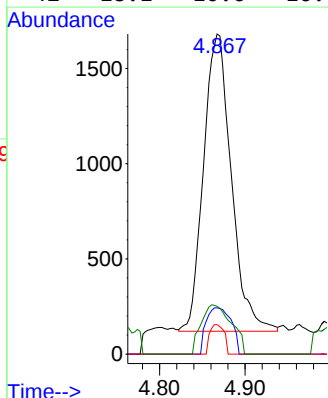
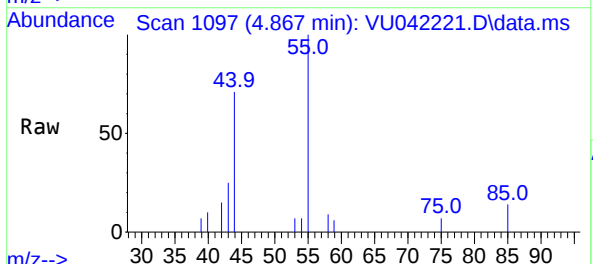
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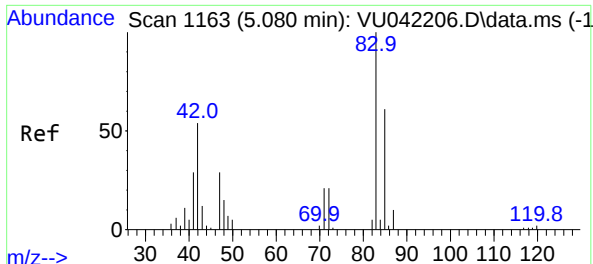


#40  
Methyl acrylate  
Concen: 1.79 ug/l m  
RT: 4.867 min Scan# 1097  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 55 Resp: 3518

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 55  | 100   |       |       |
| 85  | 14.0  | 12.5  | 18.7  |
| 58  | 5.1   | 7.2   | 10.8# |
| 42  | 18.1  | 10.6  | 16.0# |





#41

Tetrahydrofuran

Concen: 3.38 ug/l m

RT: 5.083 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VU042221.D

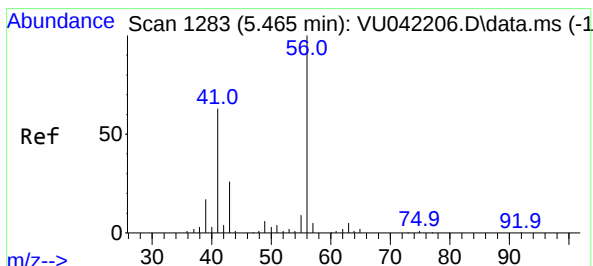
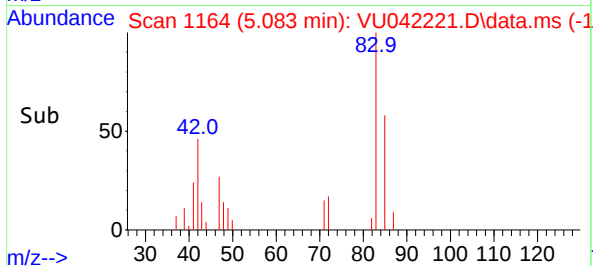
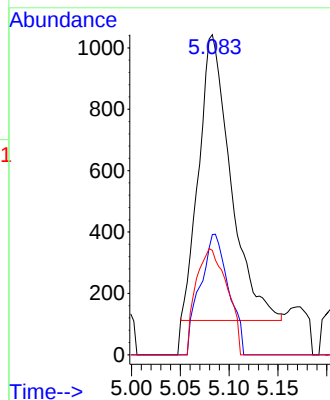
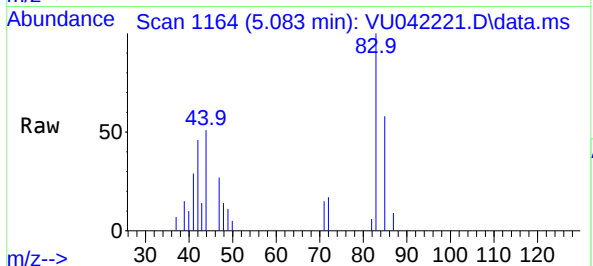
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 2107  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 37.7  | 33.1  | 49.7  |
| 71       | 36.3  | 29.8  | 44.6  |

Instrument :  
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#42

1-Chlorobutane

Concen: 1.76 ug/l

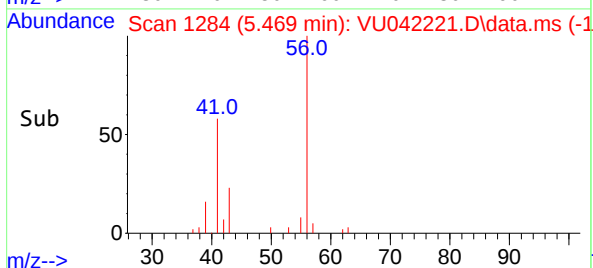
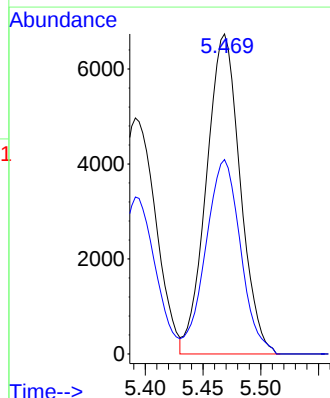
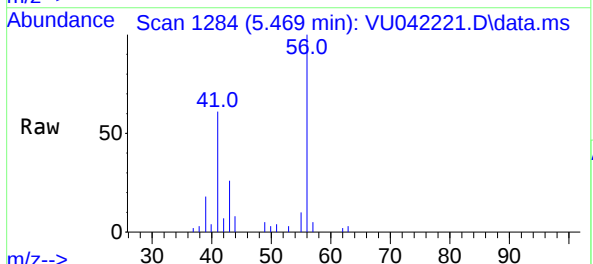
RT: 5.469 min Scan# 1284

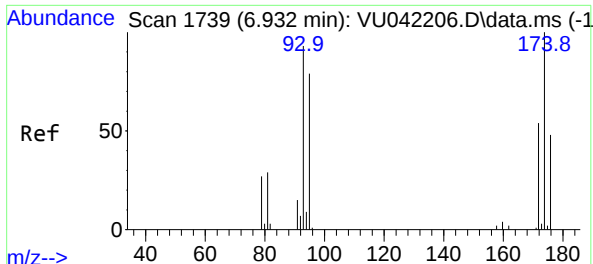
Delta R.T. 0.004 min

Lab File: VU042221.D

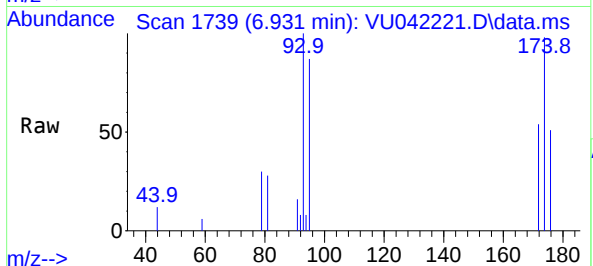
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 13705 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 41       | 62.7  | 30.3  | 91.0  |



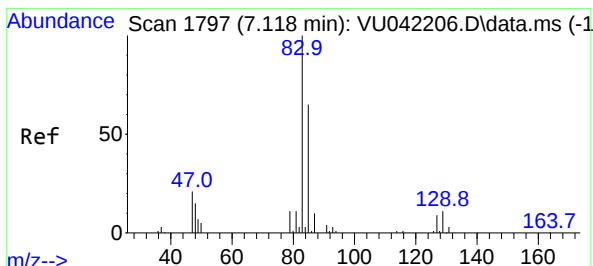
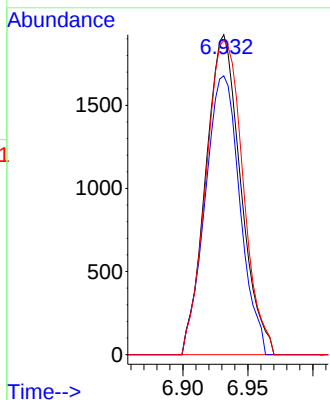
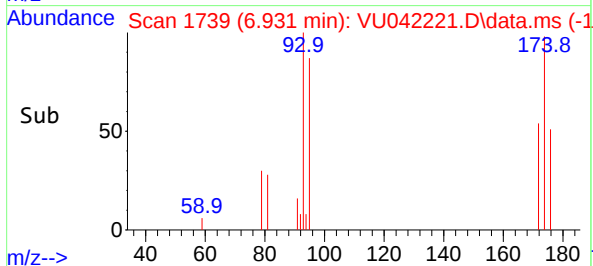


#43  
Dibromomethane  
Concen: 1.78 ug/l  
RT: 6.931 min Scan# 1739  
Delta R.T. -0.001 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

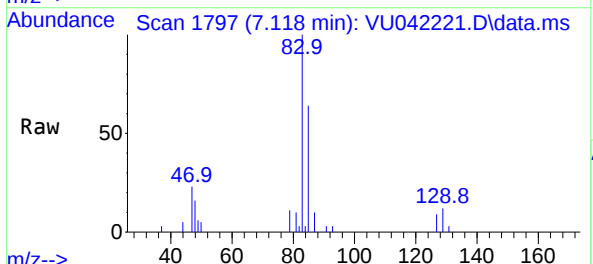


Tgt Ion: 93 Resp: 3604

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 86.7  | 66.7  | 100.1 |
| 174 | 103.9 | 84.2  | 126.4 |

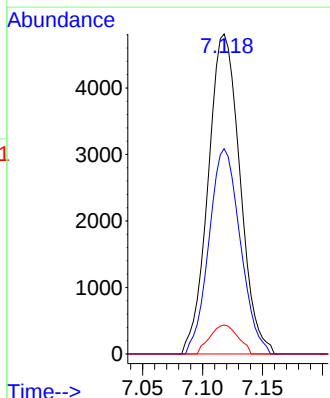
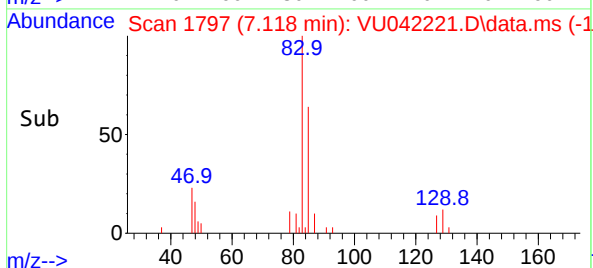


#44  
Bromodichloromethane  
Concen: 1.79 ug/l  
RT: 7.118 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10



Tgt Ion: 83 Resp: 8878

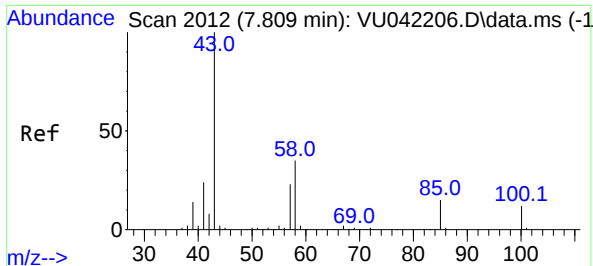
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.2  | 51.7  | 77.5  |
| 127 | 9.1   | 7.2   | 10.8  |



Instrument :  
MSVOA\_U  
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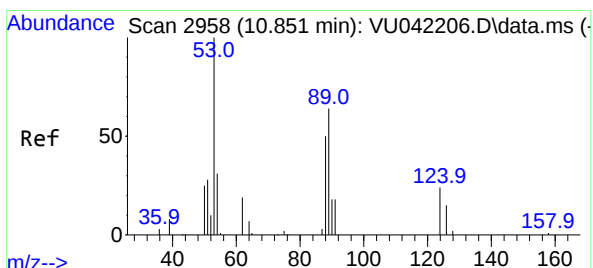
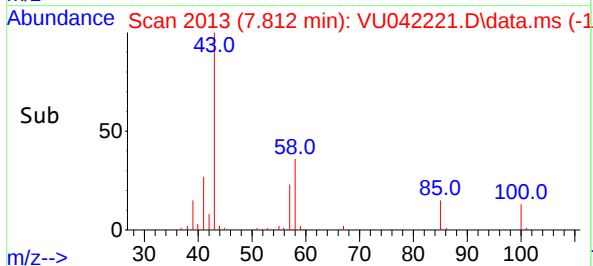
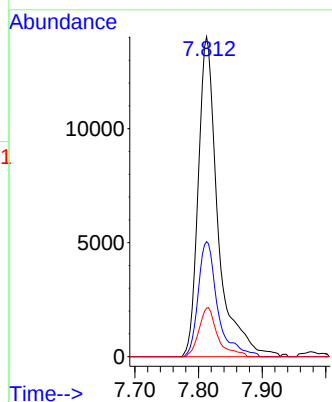
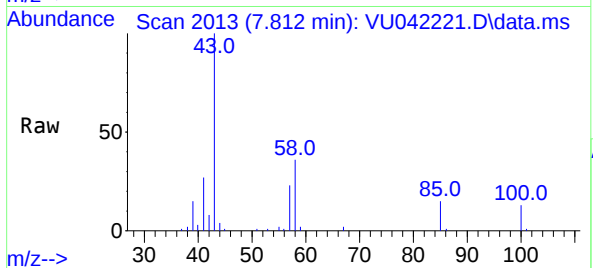
#45  
4-Methyl-2-Pentanone  
Concen: 8.98 ug/l  
RT: 7.812 min Scan# 2013  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 30166 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 35.6  | 17.5  | 52.5  |
| 85       | 14.6  | 12.1  | 18.1  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
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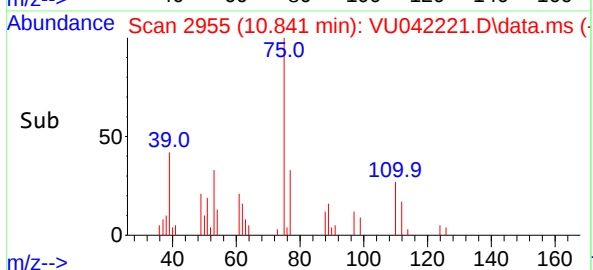
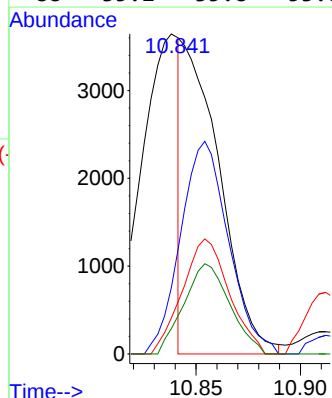
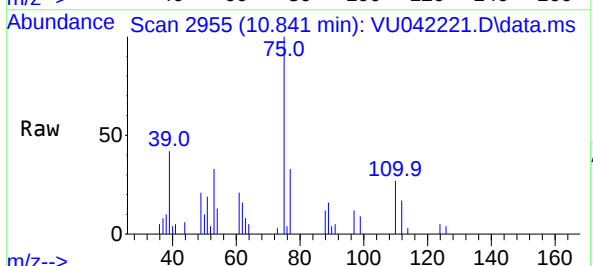
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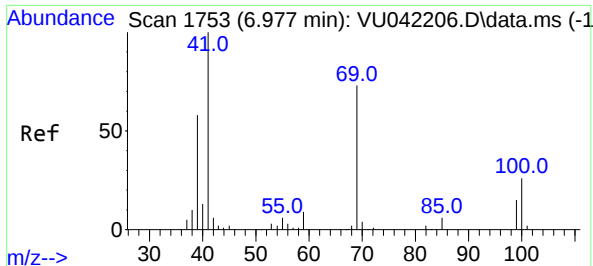
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#46  
t-1,4-Dichloro-2-butene  
Concen: 4.13 ug/l m  
RT: 10.841 min Scan# 2955  
Delta R.T. -0.010 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4460  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 86.8  | 75.9  | 113.9 |
| 89       | 45.8  | 45.1  | 67.7  |
| 88       | 35.2  | 35.8  | 53.8  |





#47

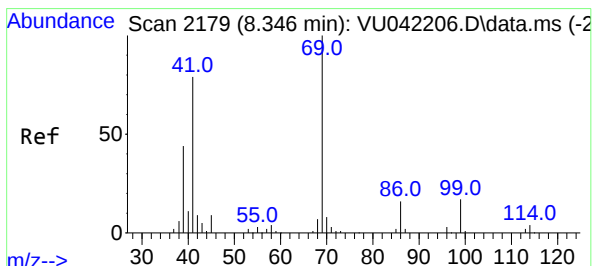
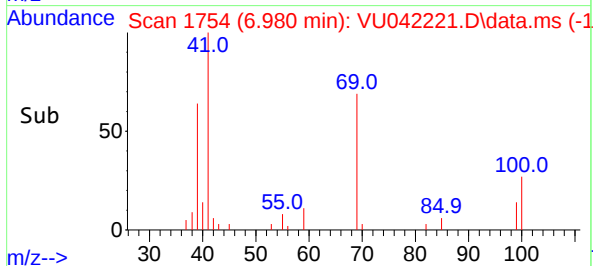
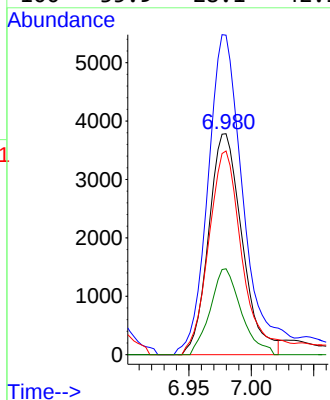
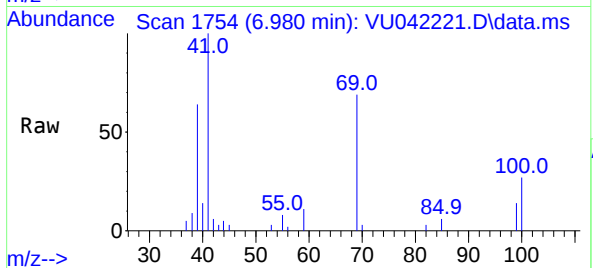
Methyl methacrylate  
Concen: 3.38 ug/l  
RT: 6.980 min Scan# 1754  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 7071  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 153.3 | 0.0   | 277.0 |
| 39       | 93.6  | 67.1  | 100.7 |
| 100      | 35.9  | 28.1  | 42.1  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
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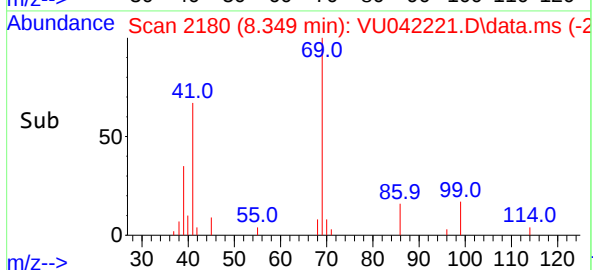
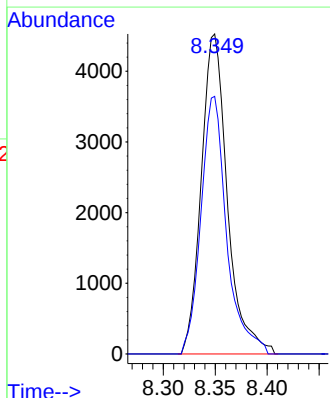
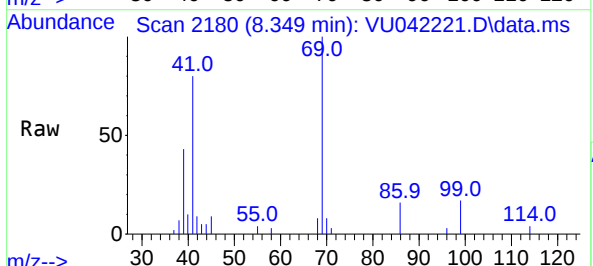
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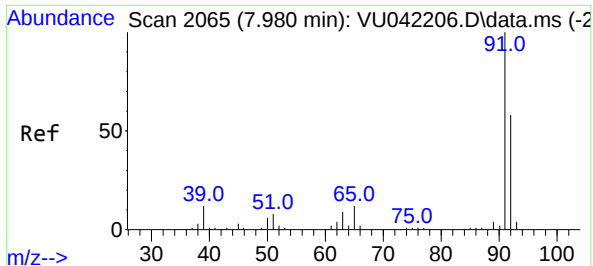


#48

Ethyl methacrylate  
Concen: 1.79 ug/l  
RT: 8.349 min Scan# 2180  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 7923  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 79.1  | 40.1  | 120.2 |





#49

Toluene

Concen: 1.79 ug/l

RT: 7.976 min Scan# 2064

Delta R.T. -0.004 min

Lab File: VU042221.D

Acq: 29 Jan 2021 12:10

Tgt Ion: 92 Resp: 15754

Ion Ratio Lower Upper

92 100

91 175.9 139.6 209.4

Instrument :

MSVOA\_U

ClientSampleId :

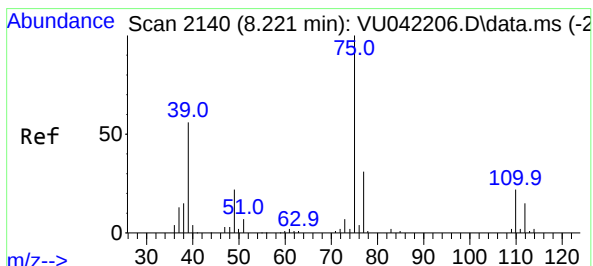
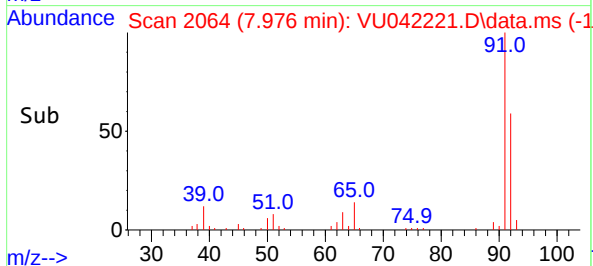
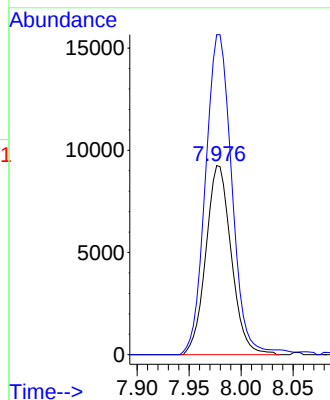
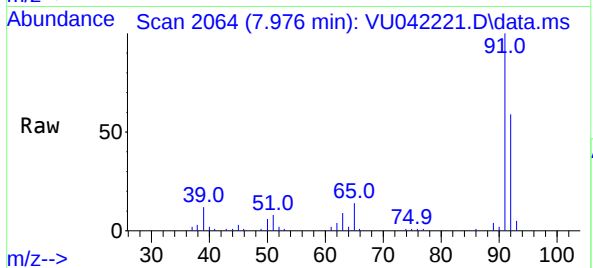
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#50

t-1,3-Dichloropropene

Concen: 1.73 ug/l

RT: 8.221 min Scan# 2140

Delta R.T. -0.000 min

Lab File: VU042221.D

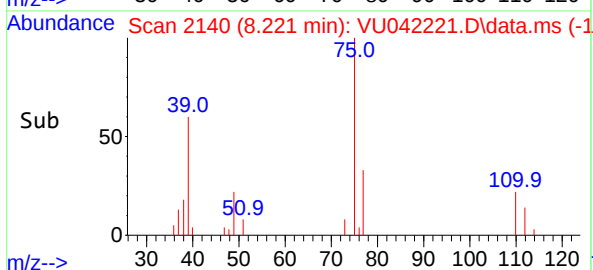
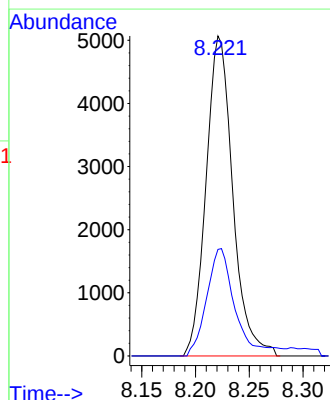
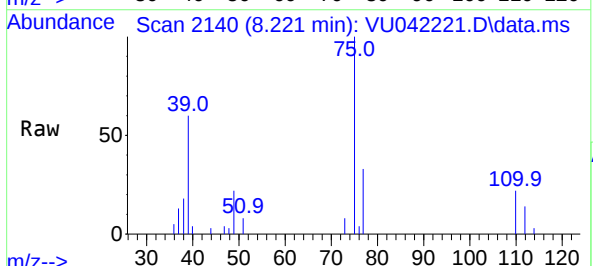
Acq: 29 Jan 2021 12:10

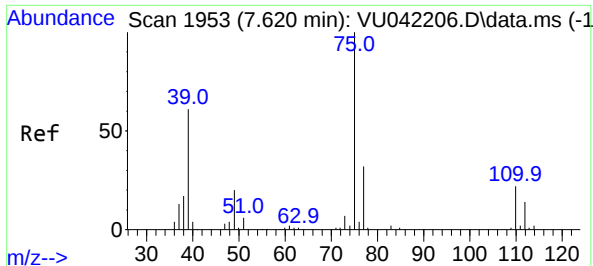
Tgt Ion: 75 Resp: 8753

Ion Ratio Lower Upper

75 100

77 33.3 24.9 37.3





#51

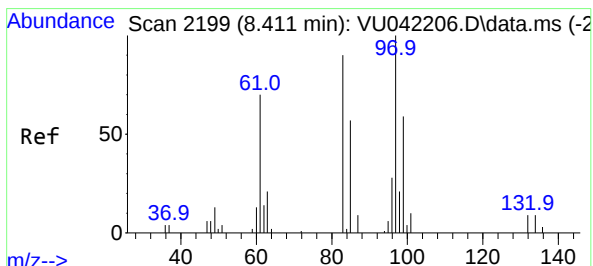
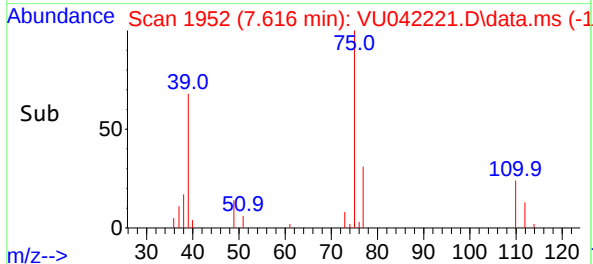
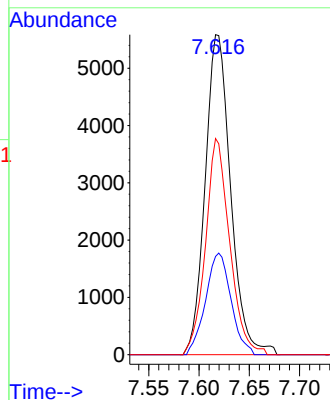
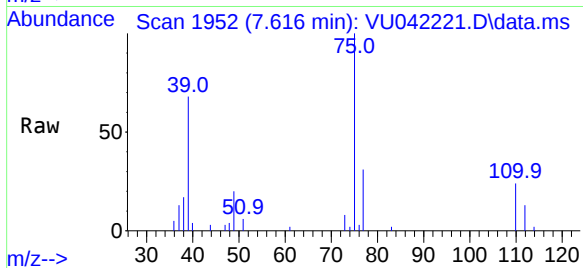
cis-1,3-Dichloropropene  
Concen: 1.74 ug/l  
RT: 7.616 min Scan# 1952  
Delta R.T. -0.004 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9862  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 30.7  | 25.6  | 38.4  |
| 39       | 67.6  | 48.6  | 72.8  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

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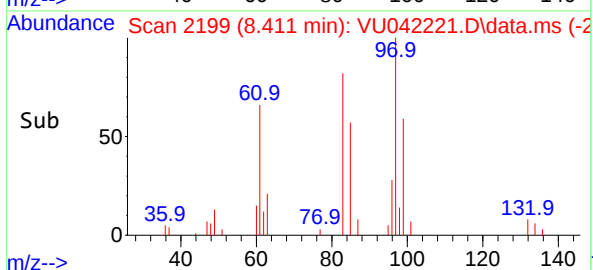
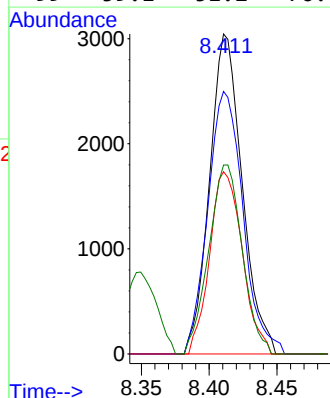
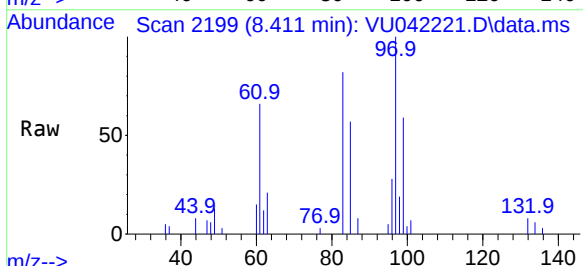
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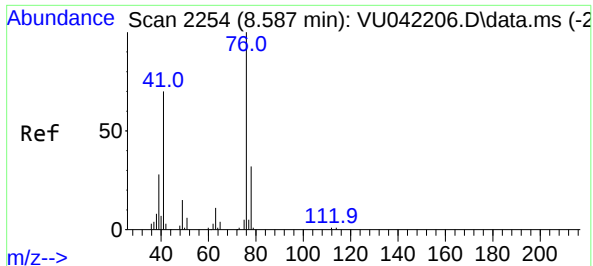


#52

1,1,2-Trichloroethane  
Concen: 1.84 ug/l  
RT: 8.411 min Scan# 2199  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

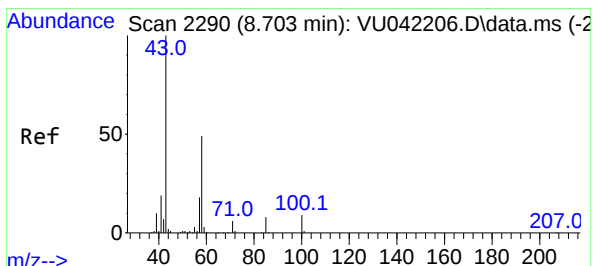
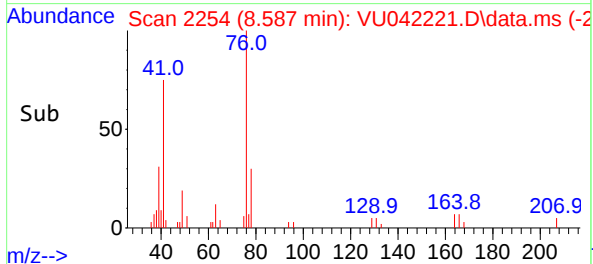
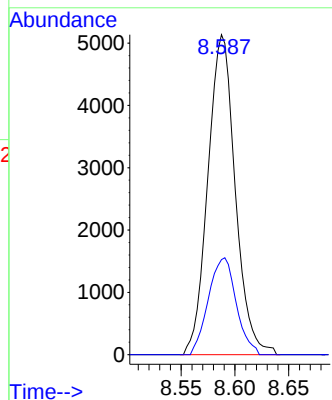
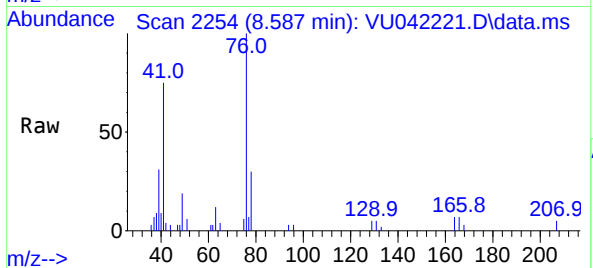
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 5084  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 82.1  | 71.9  | 107.9 |
| 85       | 56.9  | 46.2  | 69.4  |
| 99       | 59.1  | 51.2  | 76.8  |





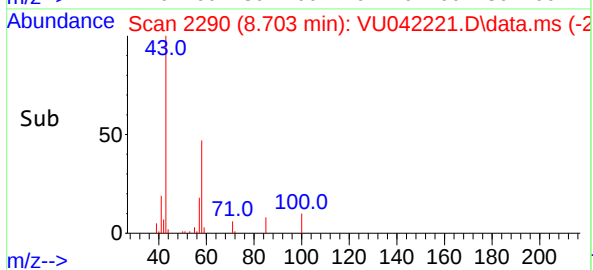
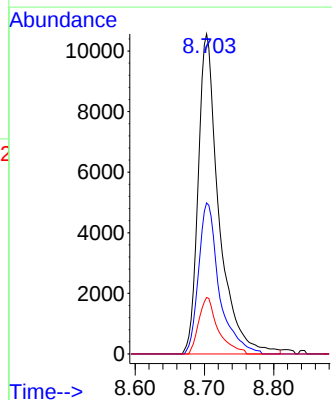
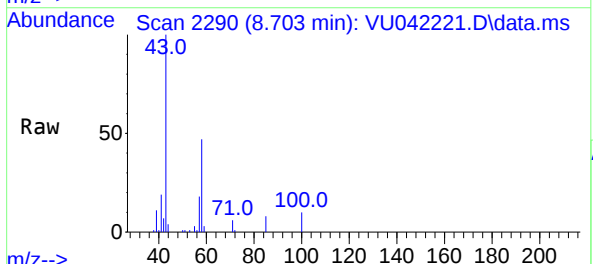
#53  
1,3-Dichloropropane  
Concen: 1.81 ug/l  
RT: 8.587 min Scan# 2254  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 76 Resp: 9085  
Ion Ratio Lower Upper  
76 100  
78 30.7 25.4 38.2



#54  
2-Hexanone  
Concen: 9.02 ug/l  
RT: 8.703 min Scan# 2290  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

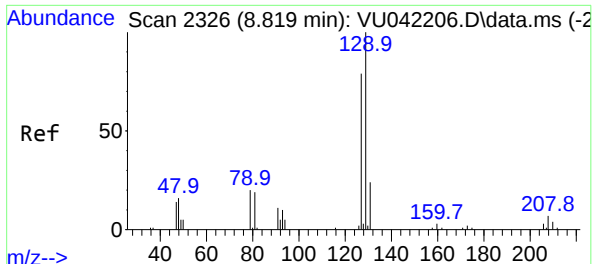
Tgt Ion: 43 Resp: 21959  
Ion Ratio Lower Upper  
43 100  
58 47.0 28.7 68.7  
57 16.5 0.0 37.9



Instrument :  
MSVOA\_U  
ClientSampleId :  
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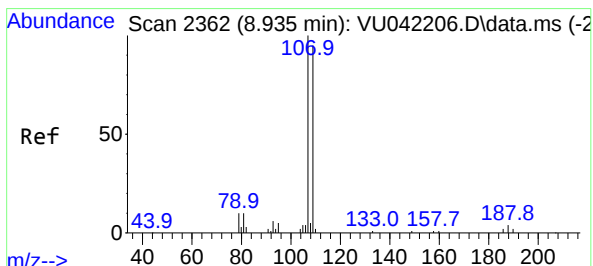
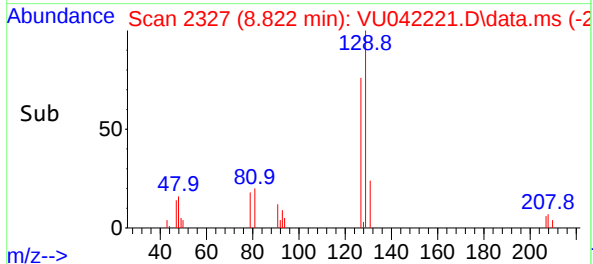
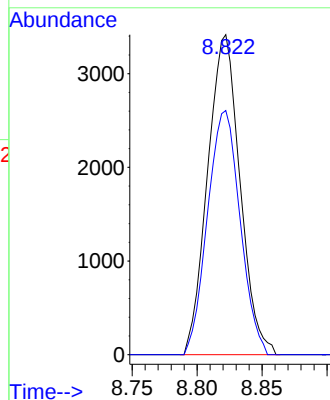
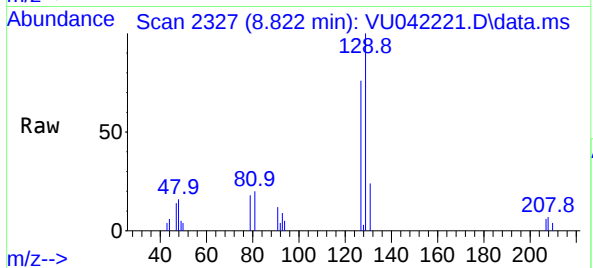
#55  
Dibromochloromethane  
Concen: 1.77 ug/l  
RT: 8.822 min Scan# 2327  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion:129 Resp: 5918  
Ion Ratio Lower Upper  
129 100  
127 76.7 62.7 94.1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

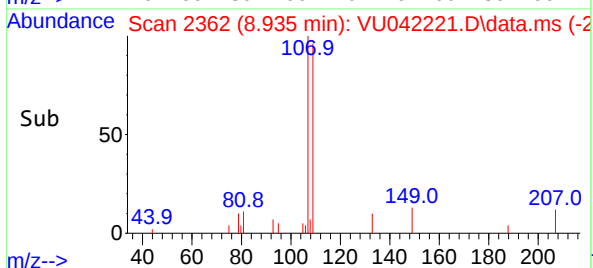
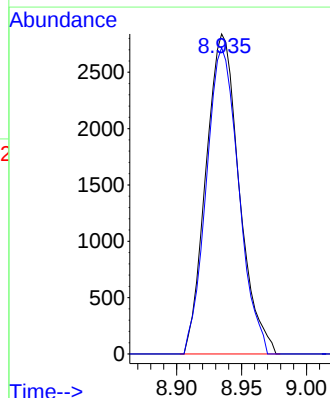
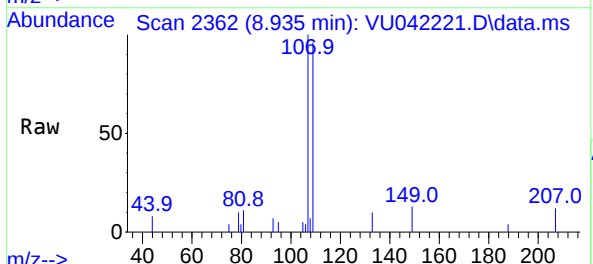
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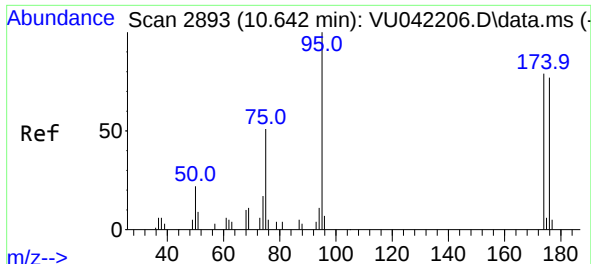
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#56  
1,2-Dibromoethane  
Concen: 1.84 ug/l  
RT: 8.935 min Scan# 2362  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

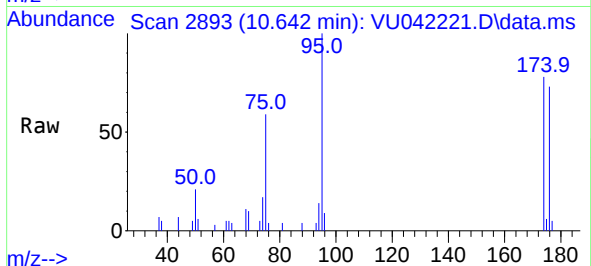
Tgt Ion:107 Resp: 5052  
Ion Ratio Lower Upper  
107 100  
109 93.3 0.0 187.2





#57  
4-Bromofluorobenzene  
Concen: 1.05 ug/l  
RT: 10.642 min Scan# 2893  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

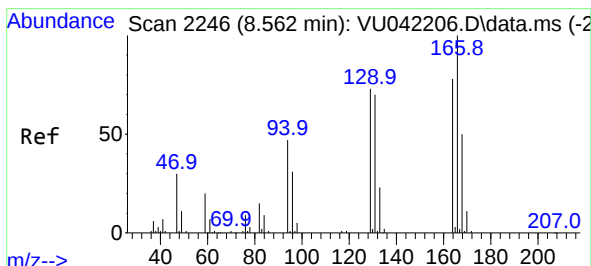
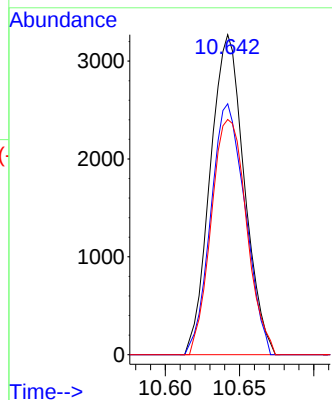
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01



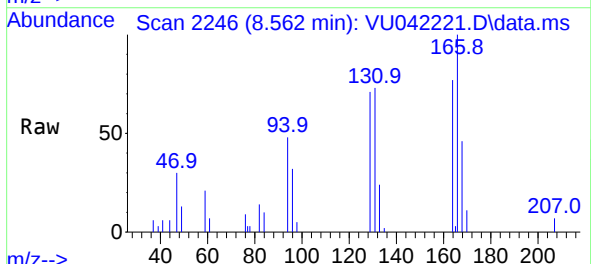
Tgt Ion: 95 Resp: 5216  
Ion Ratio Lower Upper  
95 100  
174 79.1 69.6 104.4  
176 76.3 65.5 98.3

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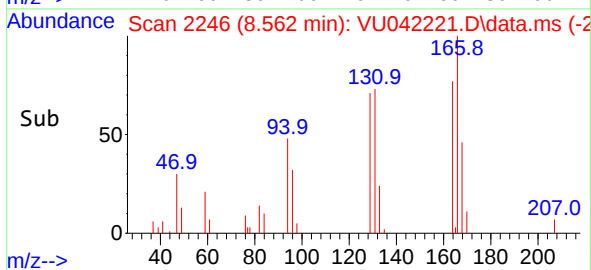
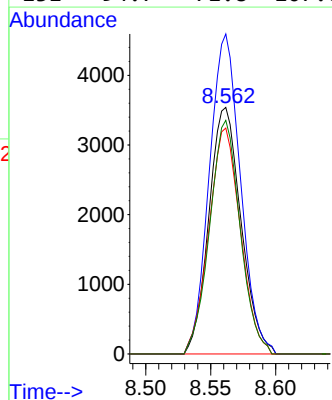
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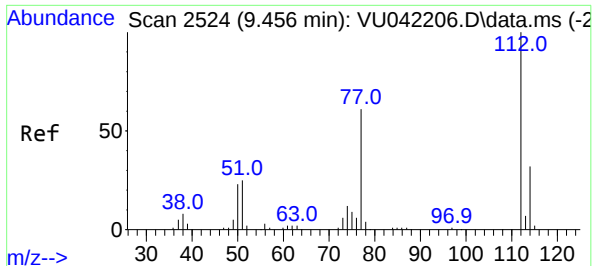


#58  
Tetrachloroethene  
Concen: 1.84 ug/l  
RT: 8.562 min Scan# 2246  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10



Tgt Ion: 164 Resp: 6098  
Ion Ratio Lower Upper  
164 100  
166 129.8 102.2 153.2  
129 91.7 74.4 111.6  
131 94.7 71.8 107.6





#59

Chlorobenzene

Concen: 1.79 ug/l

RT: 9.456 min Scan# 2524

Delta R.T. -0.000 min

Lab File: VU042221.D

Acq: 29 Jan 2021 12:10

Tgt Ion:112 Resp: 17195

Ion Ratio Lower Upper

112 100

114 30.7 25.4 38.2

Instrument :

MSVOA\_U

ClientSampleId :

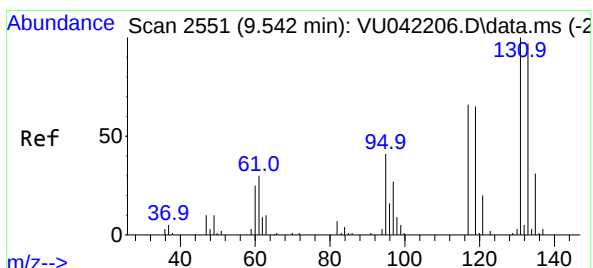
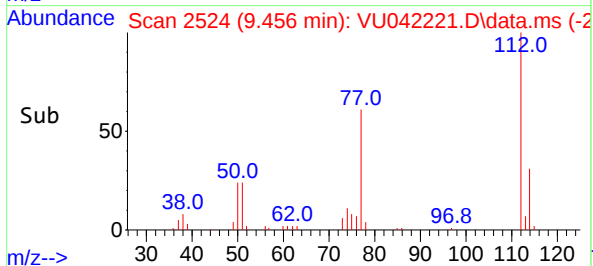
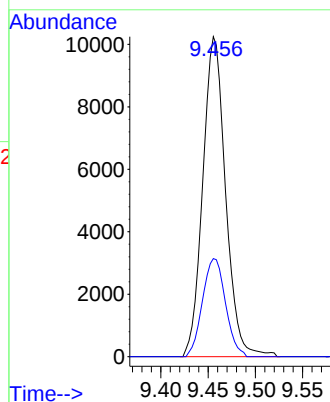
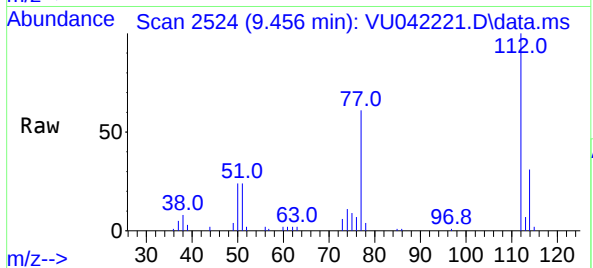
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#60

1,1,1,2-Tetrachloroethane

Concen: 1.73 ug/l

RT: 9.546 min Scan# 2552

Delta R.T. 0.004 min

Lab File: VU042221.D

Acq: 29 Jan 2021 12:10

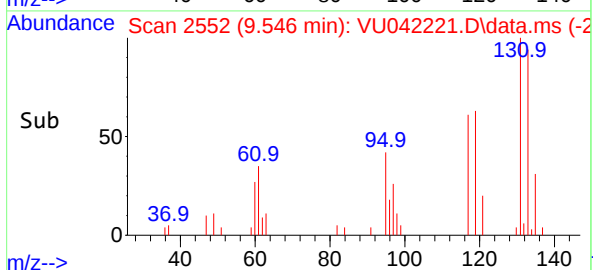
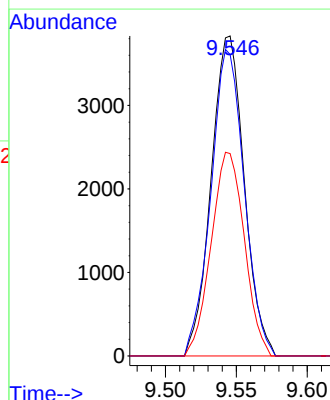
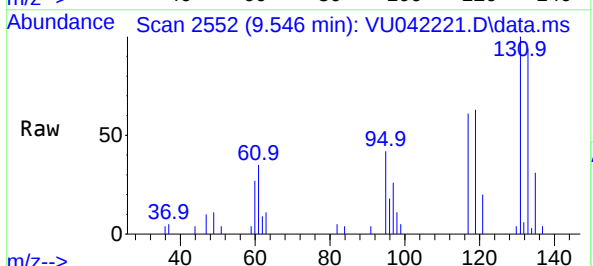
Tgt Ion:131 Resp: 6221

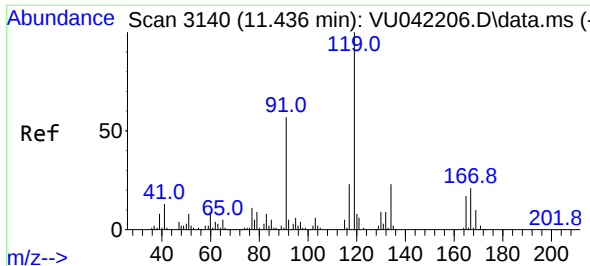
Ion Ratio Lower Upper

131 100

133 96.6 76.7 115.1

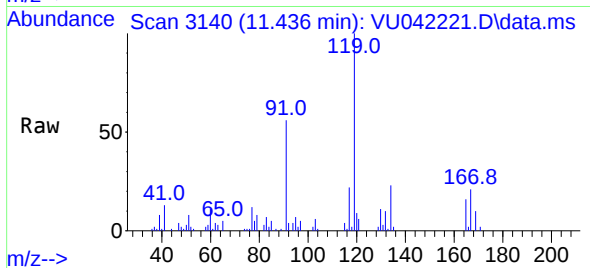
119 63.9 51.4 77.0





#61  
Pentachloroethane  
Concen: 1.74 ug/l  
RT: 11.436 min Scan# 3140  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

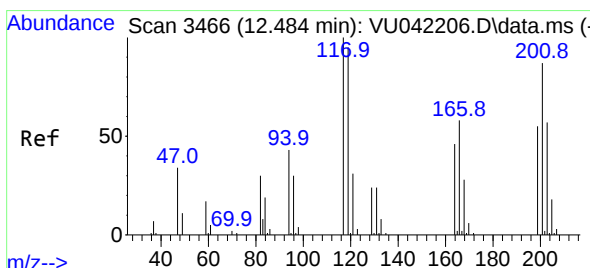
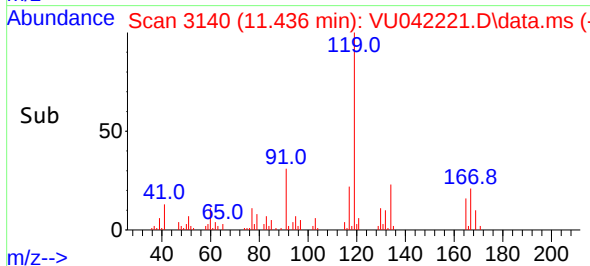
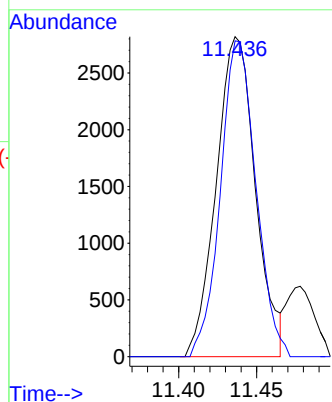
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01



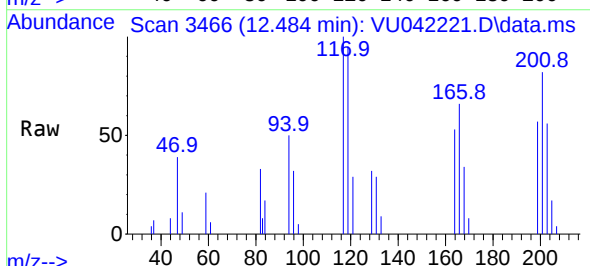
Tgt Ion:117 Resp: 4920  
Ion Ratio Lower Upper  
117 100  
167 89.4 70.6 105.8

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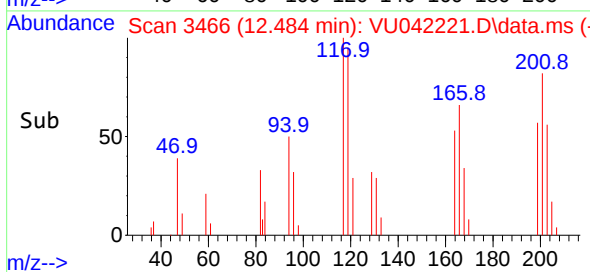
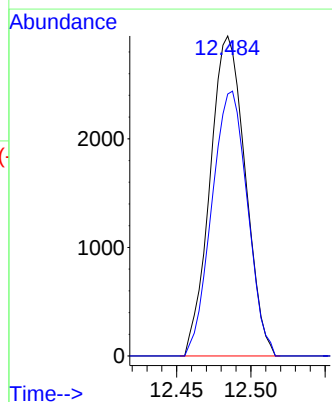
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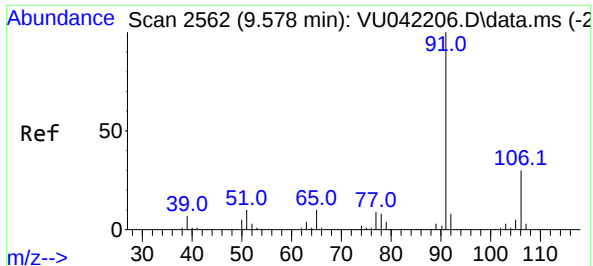


#62  
Hexachloroethane  
Concen: 1.74 ug/l  
RT: 12.484 min Scan# 3466  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10



Tgt Ion:117 Resp: 4867  
Ion Ratio Lower Upper  
117 100  
201 83.6 70.9 106.3





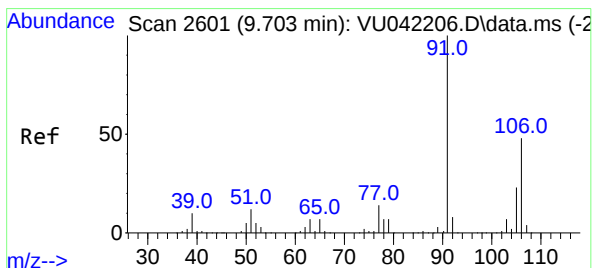
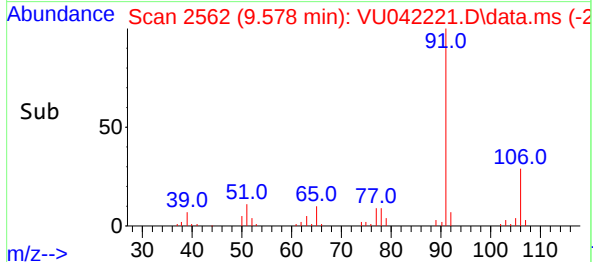
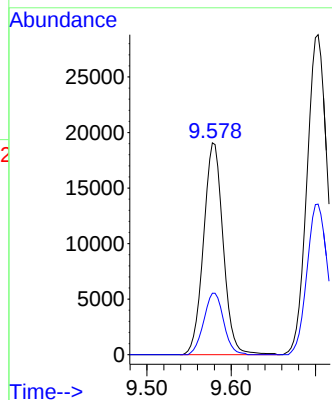
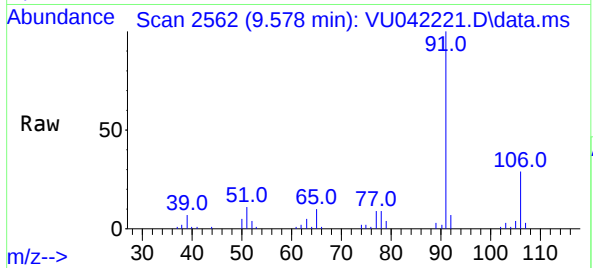
#63  
Ethyl Benzene  
Concen: 1.78 ug/l  
RT: 9.578 min Scan# 2562  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 91 Resp: 30932  
Ion Ratio Lower Upper  
91 100  
106 29.0 24.1 36.1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

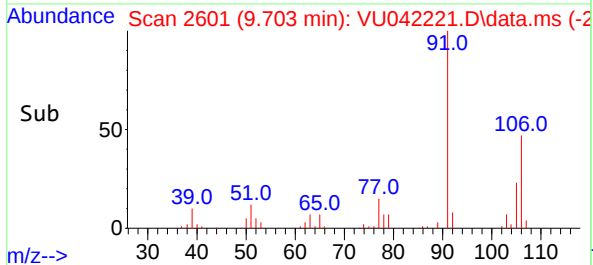
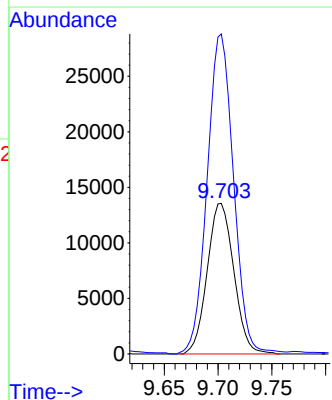
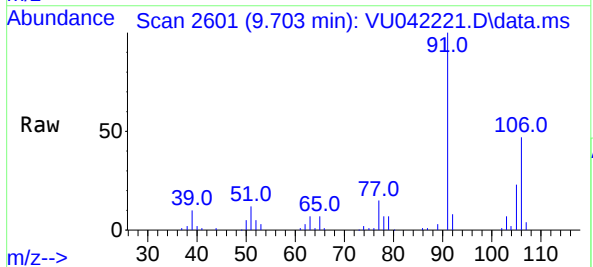
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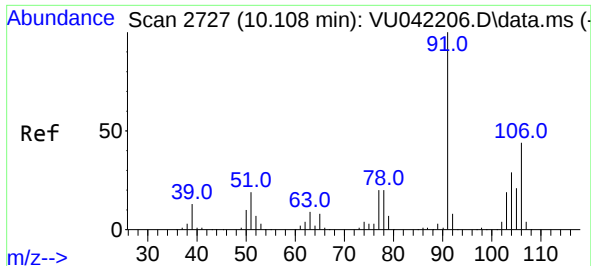
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#64  
m/p-Xylenes  
Concen: 3.61 ug/l  
RT: 9.703 min Scan# 2601  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 106 Resp: 23354  
Ion Ratio Lower Upper  
106 100  
91 210.8 168.4 252.6





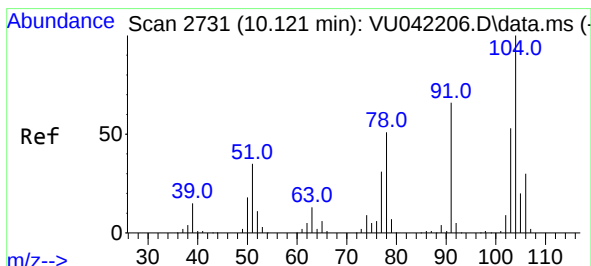
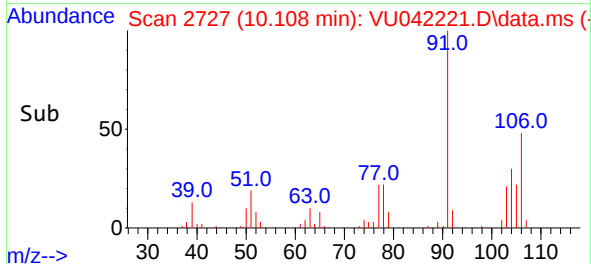
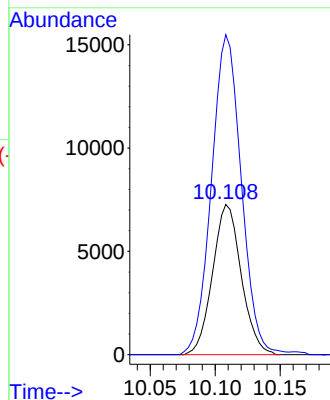
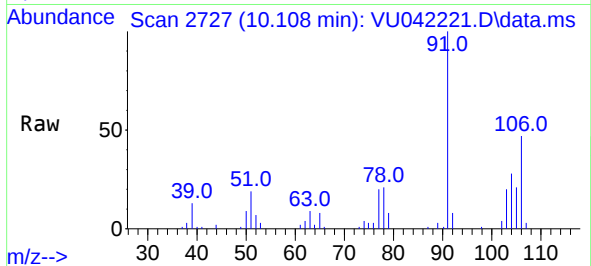
#65  
o-Xylene  
Concen: 1.75 ug/l  
RT: 10.108 min Scan# 2727  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion:106 Resp: 11154  
Ion Ratio Lower Upper  
106 100  
91 221.3 112.0 336.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
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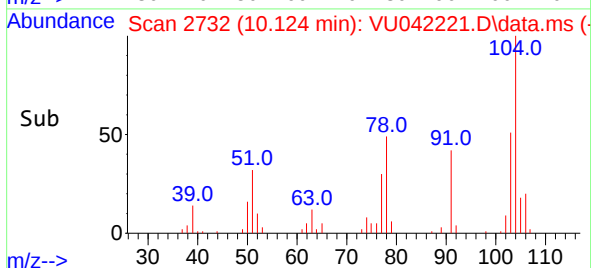
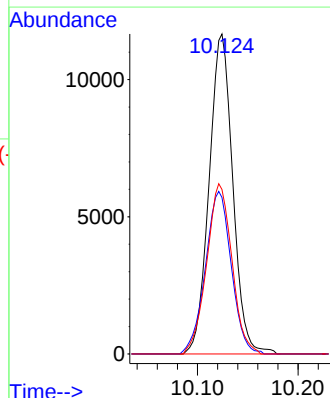
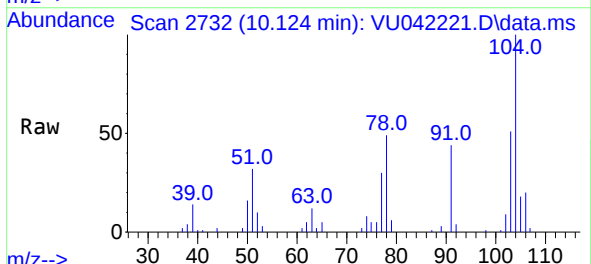
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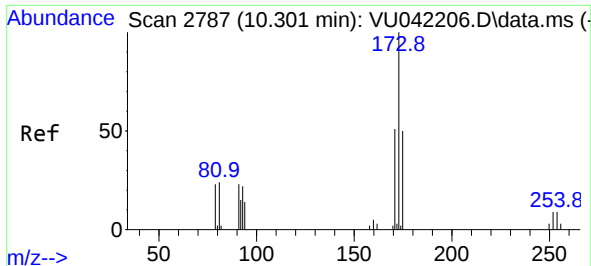
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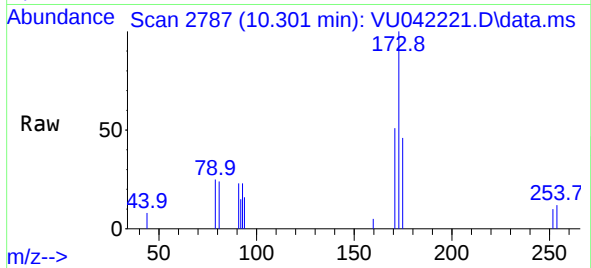
#66  
Styrene  
Concen: 1.78 ug/l  
RT: 10.124 min Scan# 2732  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion:104 Resp: 19066  
Ion Ratio Lower Upper  
104 100  
78 55.6 43.9 65.9  
103 56.8 44.7 67.1

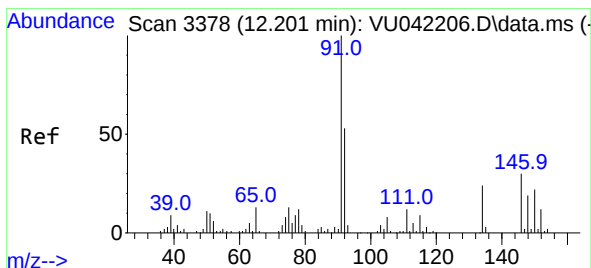
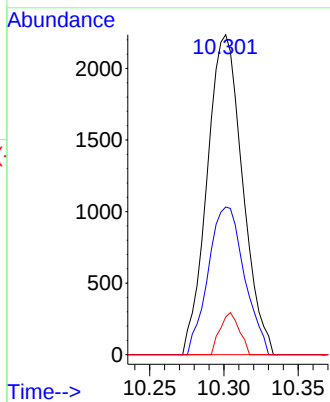
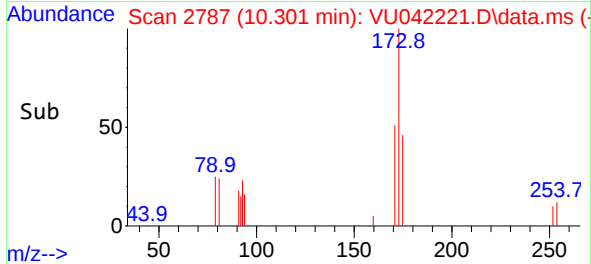




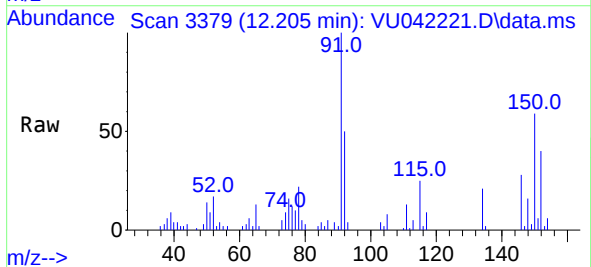
#67  
Bromoform  
Concen: 1.77 ug/l  
RT: 10.301 min Scan# 2787  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10



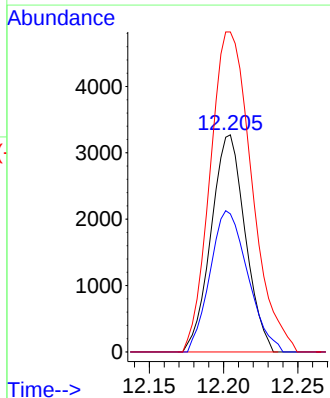
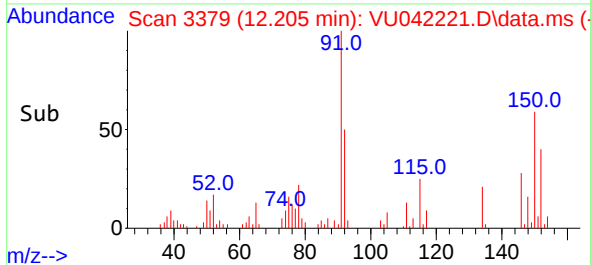
Tgt Ion:173 Resp: 3707  
Ion Ratio Lower Upper  
173 100  
175 47.1 40.0 60.0  
254 7.1 6.8 10.2



#68  
1,2-Dichlorobenzene-d4  
Concen: 1.03 ug/l  
RT: 12.205 min Scan# 3379  
Delta R.T. 0.004 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10



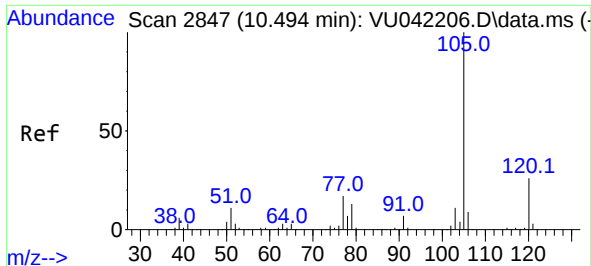
Tgt Ion:152 Resp: 5228  
Ion Ratio Lower Upper  
152 100  
115 71.9 0.0 243.2  
150 179.8 0.0 642.6



Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

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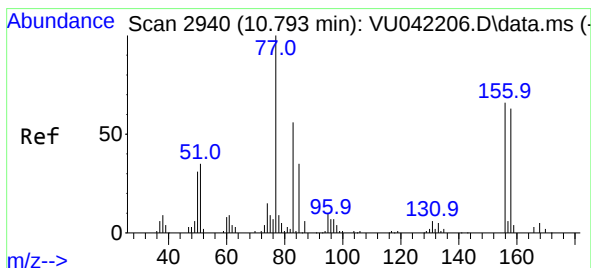
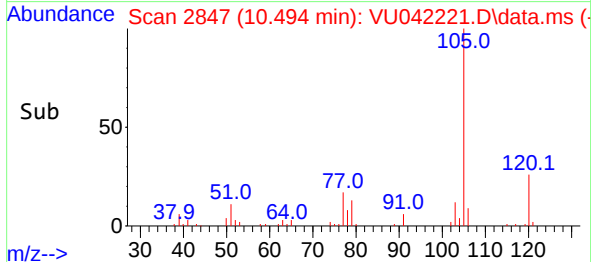
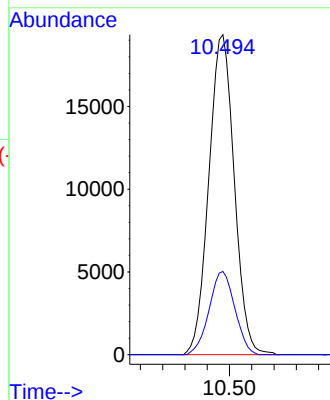
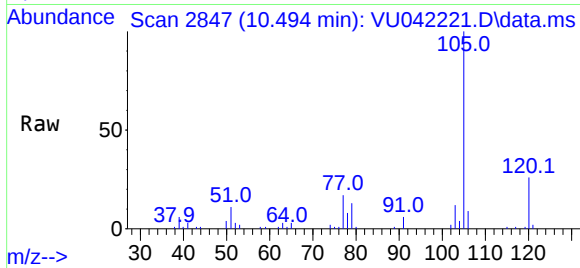
#69  
Isopropylbenzene  
Concen: 1.78 ug/l  
RT: 10.494 min Scan# 2847  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 105 Resp: 30641  
Ion Ratio Lower Upper  
105 100  
120 26.3 13.1 39.1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

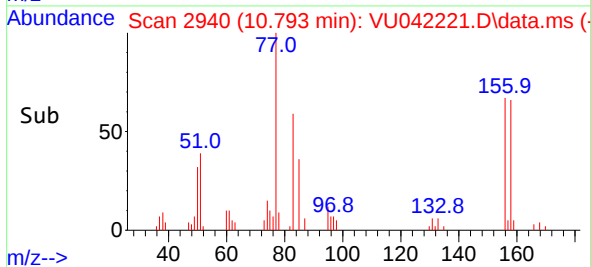
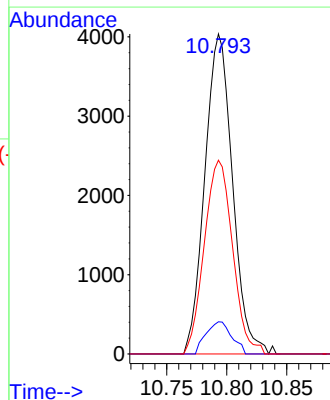
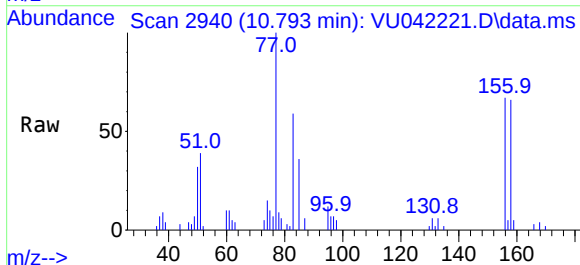
Manual Integrations  
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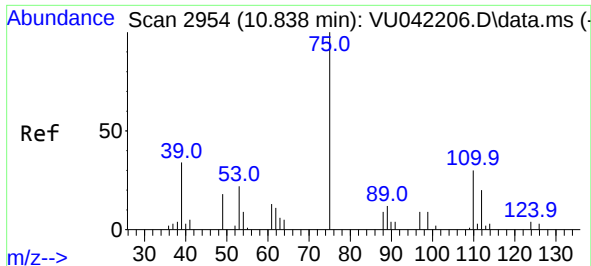
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#70  
1,1,2,2-Tetrachloroethane  
Concen: 1.78 ug/l  
RT: 10.793 min Scan# 2940  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 83 Resp: 6490  
Ion Ratio Lower Upper  
83 100  
131 9.3 8.1 12.1  
85 61.8 51.5 77.3





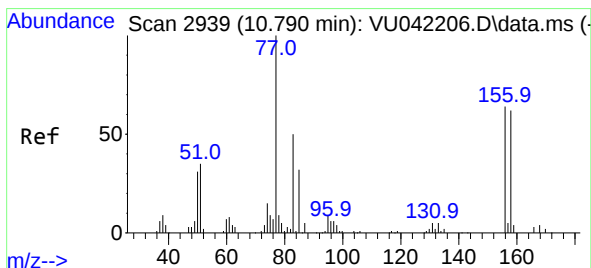
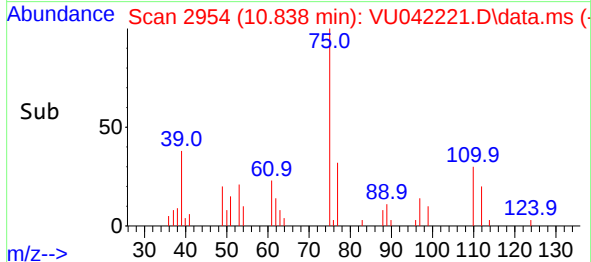
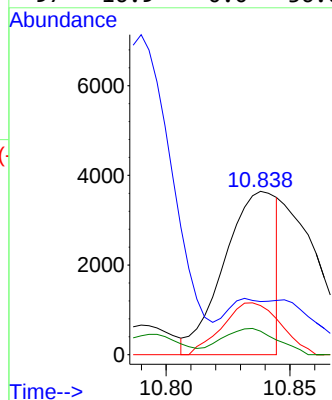
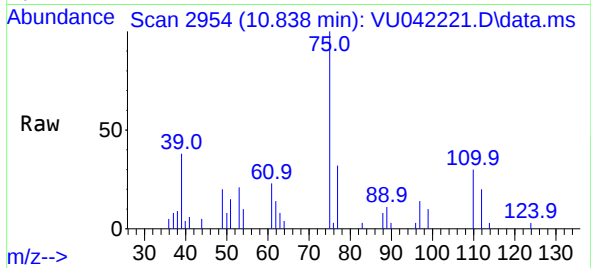
#71  
1,2,3-Trichloropropane  
Concen: 1.88 ug/l m  
RT: 10.838 min Scan# 2954  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5380  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 8.4   | 0.0   | 107.2 |
| 110      | 35.1  | 0.0   | 69.0  |
| 97       | 16.9  | 0.0   | 36.6  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

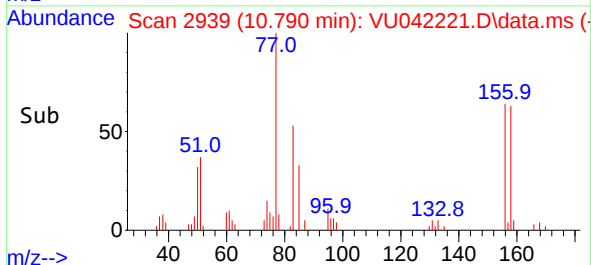
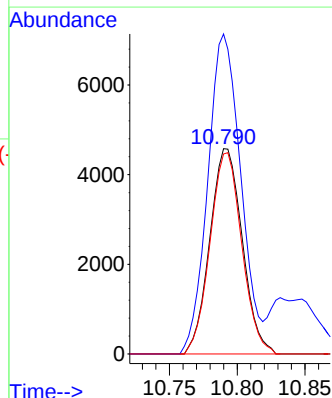
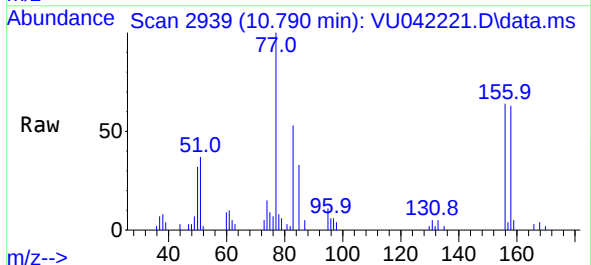
Manual Integrations  
APPROVED

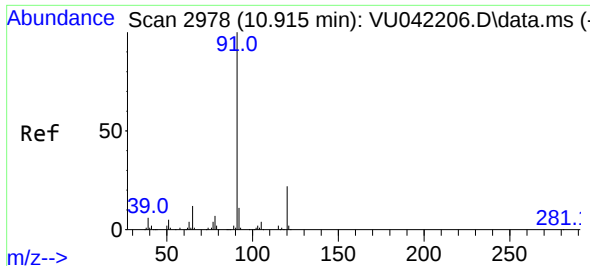
SAM  
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#72  
Bromobenzene  
Concen: 1.76 ug/l  
RT: 10.790 min Scan# 2939  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 7635  |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 158.3 | 0.0   | 317.6 |
| 158      | 95.8  | 0.0   | 195.0 |





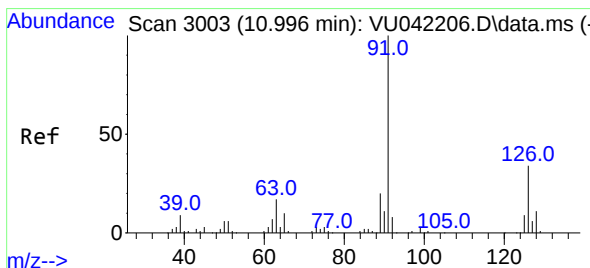
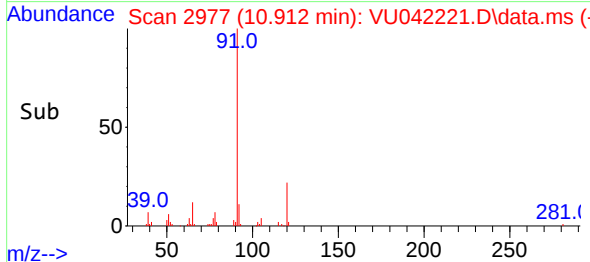
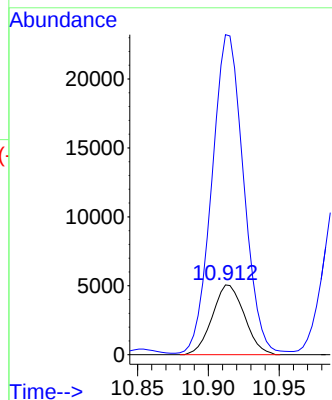
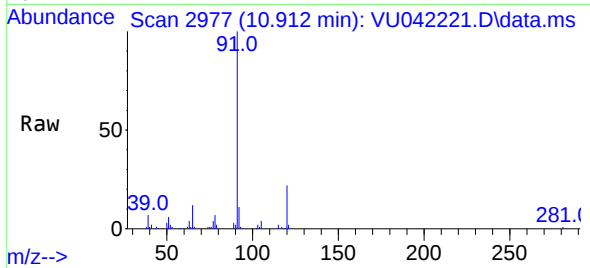
#73  
n-propylbenzene  
Concen: 1.74 ug/l  
RT: 10.912 min Scan# 2977  
Delta R.T. -0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion:120 Resp: 7962  
Ion Ratio Lower Upper  
120 100  
91 450.9 355.1 532.7

Instrument :  
MSVOA\_U  
ClientSampled :  
VU0129WBSD01

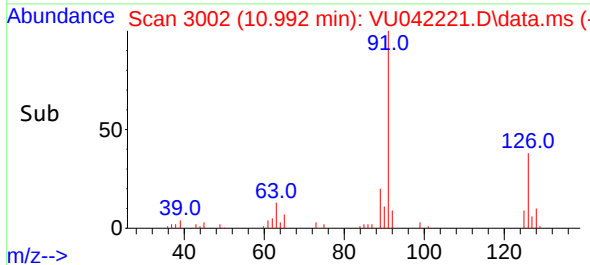
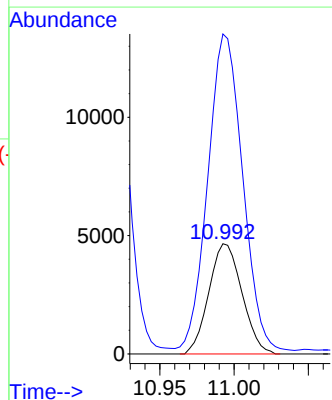
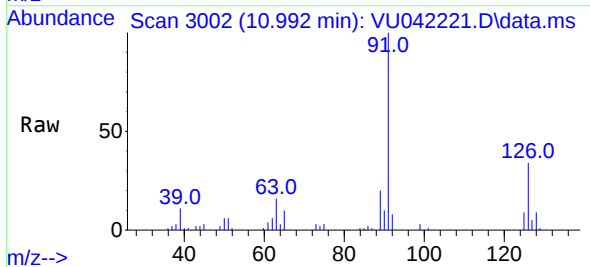
Manual Integrations  
APPROVED

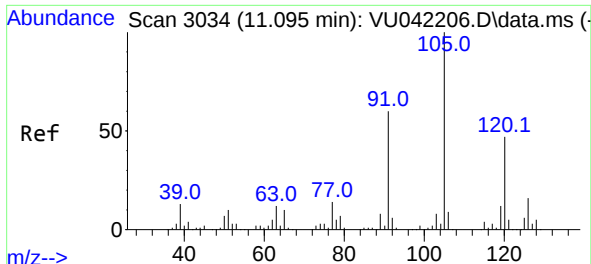
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#74  
2-Chlorotoluene  
Concen: 1.77 ug/l  
RT: 10.992 min Scan# 3002  
Delta R.T. -0.004 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion:126 Resp: 7219  
Ion Ratio Lower Upper  
126 100  
91 301.1 0.0 588.6





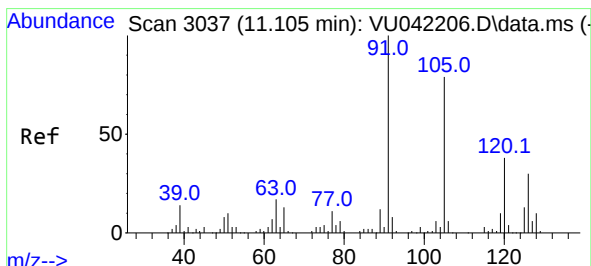
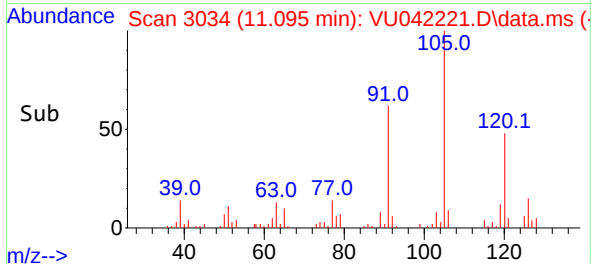
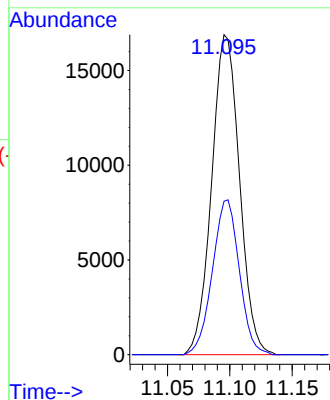
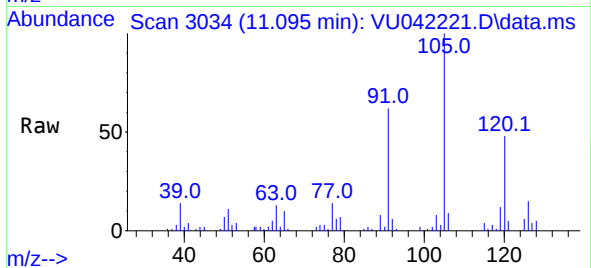
#75  
1,3,5-Trimethylbenzene  
Concen: 1.76 ug/l  
RT: 11.095 min Scan# 3034  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion:105 Resp: 26261  
Ion Ratio Lower Upper  
105 100  
120 46.8 37.8 56.8

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

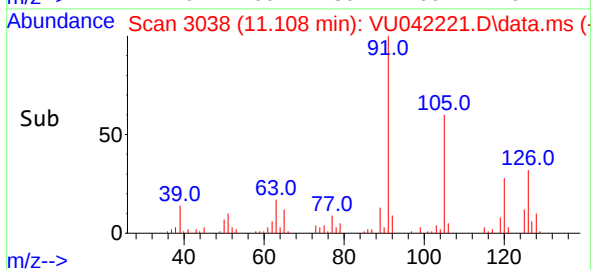
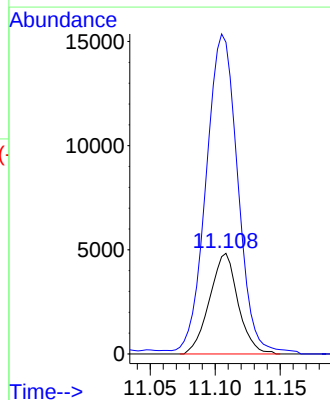
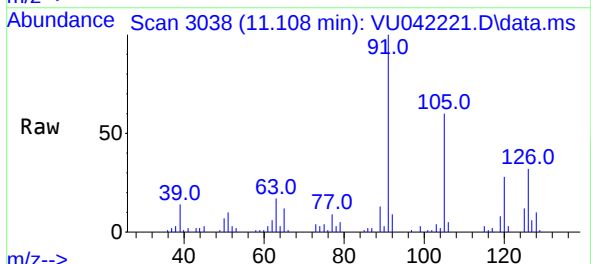
Manual Integrations  
APPROVED

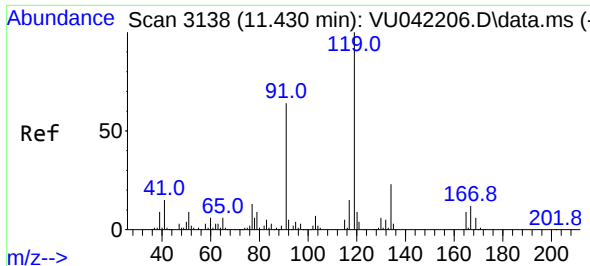
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#76  
4-Chlorotoluene  
Concen: 1.78 ug/l  
RT: 11.108 min Scan# 3038  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

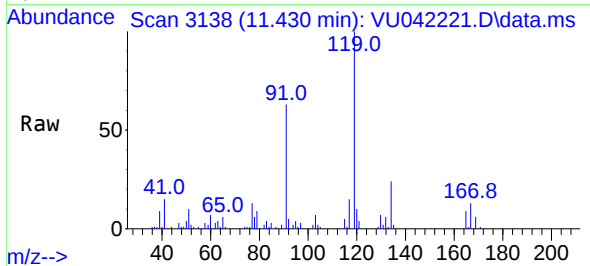
Tgt Ion:126 Resp: 7360  
Ion Ratio Lower Upper  
126 100  
91 355.4 0.0 682.0





#77  
tert-Butylbenzene  
Concen: 1.80 ug/l  
RT: 11.430 min Scan# 3138  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

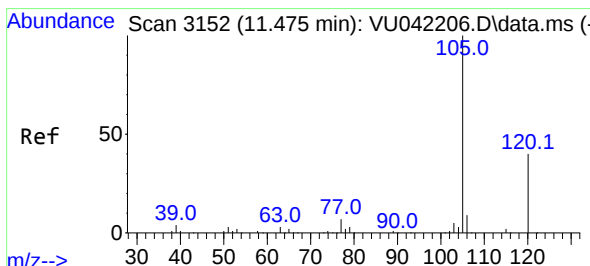
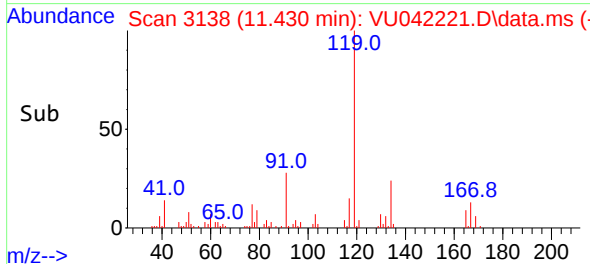
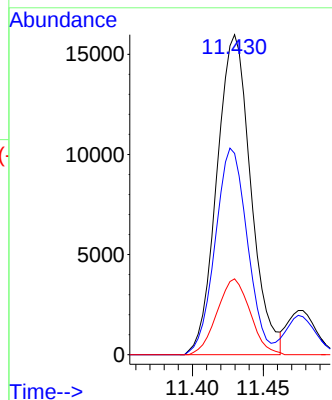
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01



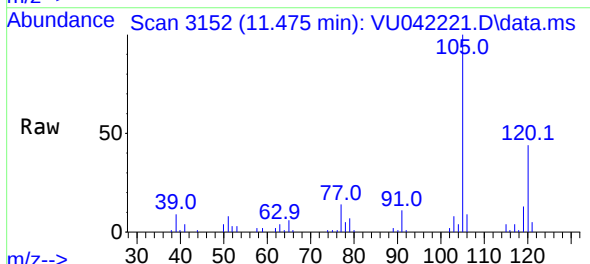
Tgt Ion:119 Resp: 26667  
Ion Ratio Lower Upper  
119 100  
91 61.1 30.3 90.9  
134 23.1 18.1 27.1

Manual Integrations  
APPROVED

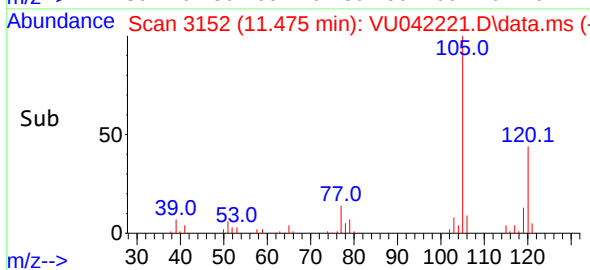
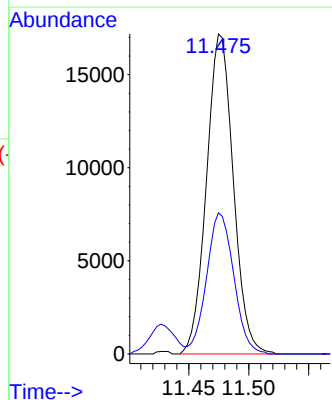
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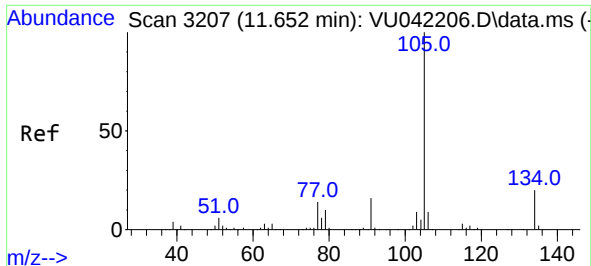


#78  
1,2,4-Trimethylbenzene  
Concen: 1.78 ug/l  
RT: 11.475 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10



Tgt Ion:105 Resp: 26729  
Ion Ratio Lower Upper  
105 100  
120 44.5 22.5 67.5





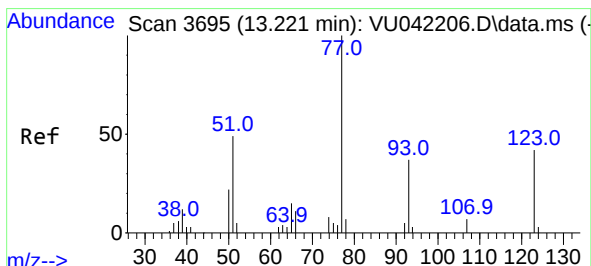
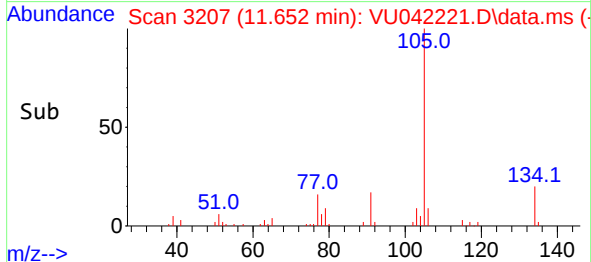
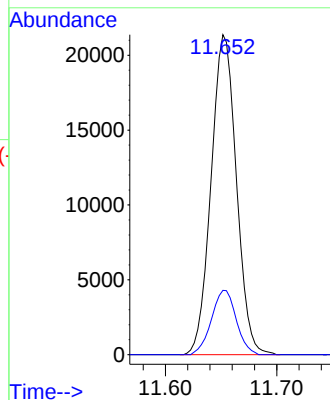
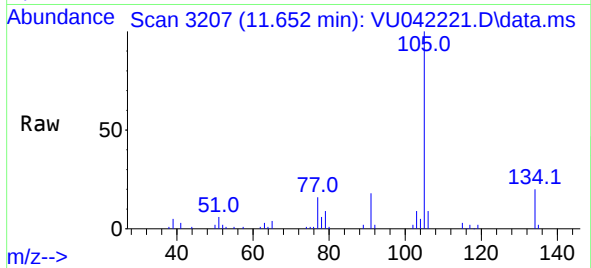
#79  
sec-Butylbenzene  
Concen: 1.77 ug/l  
RT: 11.652 min Scan# 3207  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 105 Resp: 33676  
Ion Ratio Lower Upper  
105 100  
134 19.7 16.2 24.2

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

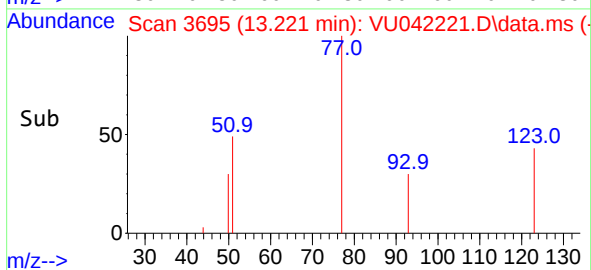
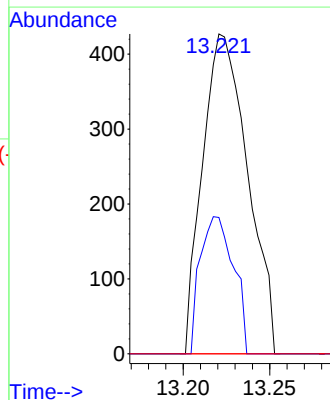
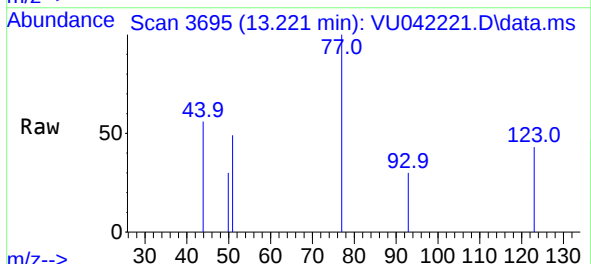
Manual Integrations  
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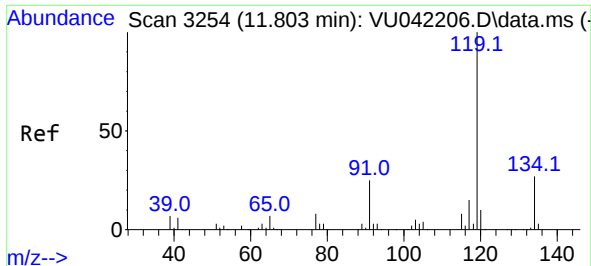
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#80  
Nitrobenzene  
Concen: 7.60 ug/l  
RT: 13.221 min Scan# 3695  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

Tgt Ion: 77 Resp: 774  
Ion Ratio Lower Upper  
77 100  
123 31.7 18.3 64.7  
65 0.0 15.0 19.2#





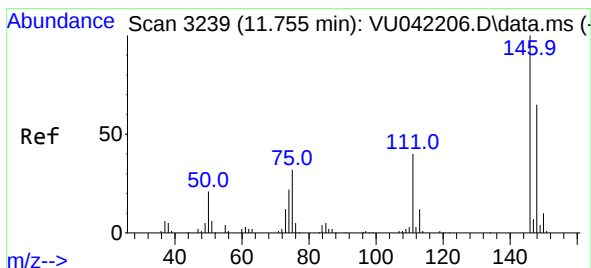
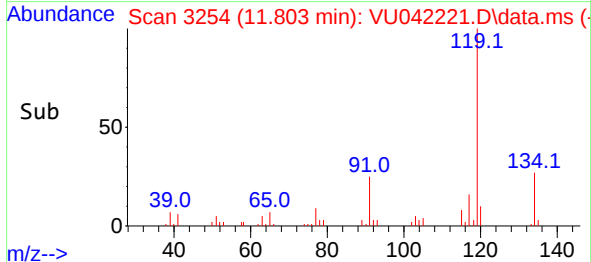
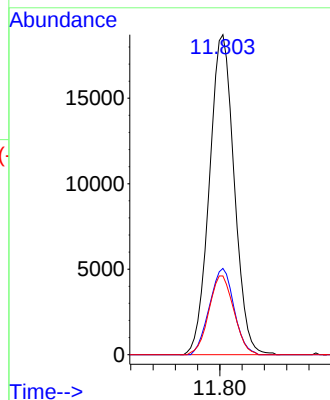
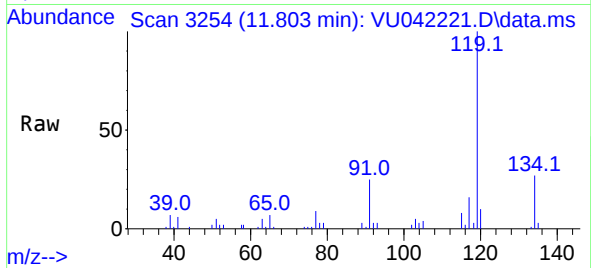
#81  
p-Isopropyltoluene  
Concen: 1.79 ug/l  
RT: 11.803 min Scan# 3254  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 28890 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 134       | 26.7  | 21.5  | 32.3  |
| 91        | 24.8  | 20.2  | 30.4  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

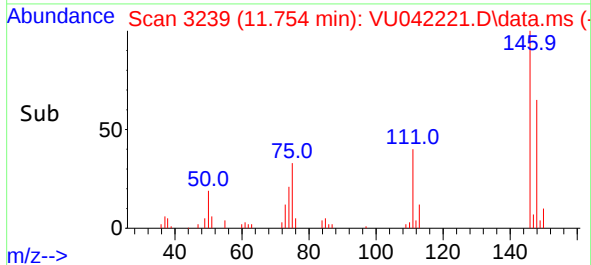
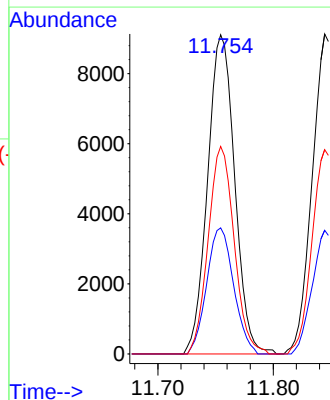
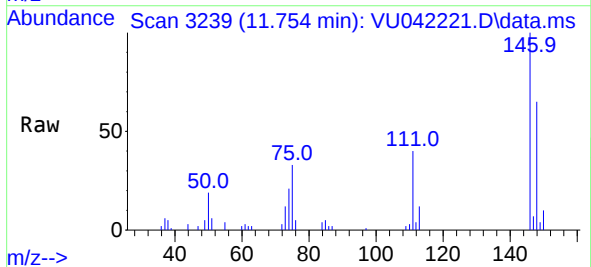
Manual Integrations  
APPROVED

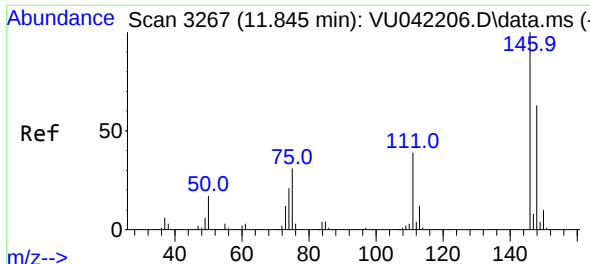
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#82  
1,3-Dichlorobenzene  
Concen: 1.82 ug/l  
RT: 11.754 min Scan# 3239  
Delta R.T. -0.001 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 14850 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 39.2  | 32.1  | 48.1  |
| 148       | 62.3  | 51.5  | 77.3  |





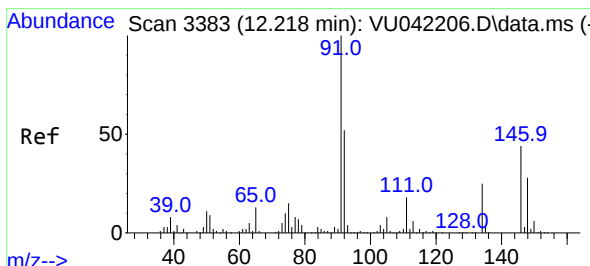
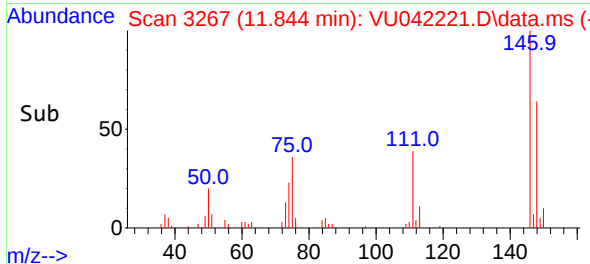
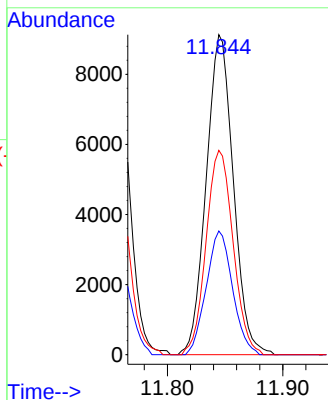
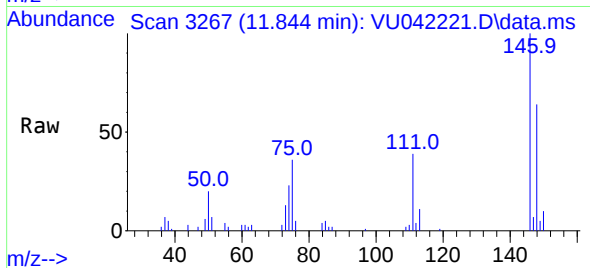
#83  
1,4-Dichlorobenzene  
Concen: 1.81 ug/l  
RT: 11.844 min Scan# 3267  
Delta R.T. -0.001 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 14906 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 37.4  | 30.7  | 46.1  |
| 148      | 63.6  | 50.3  | 75.5  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

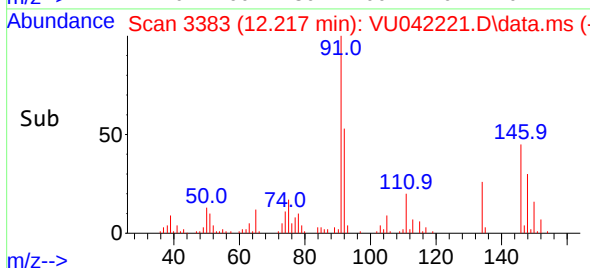
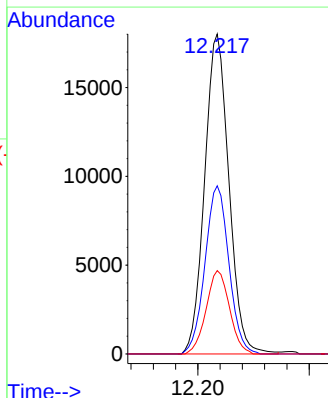
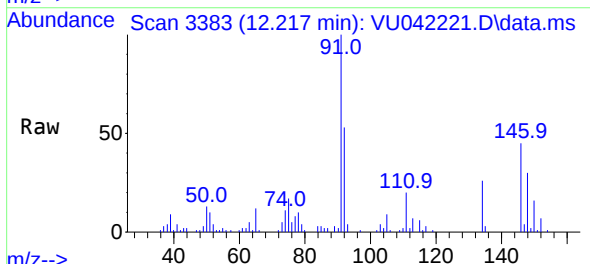
Manual Integrations  
APPROVED

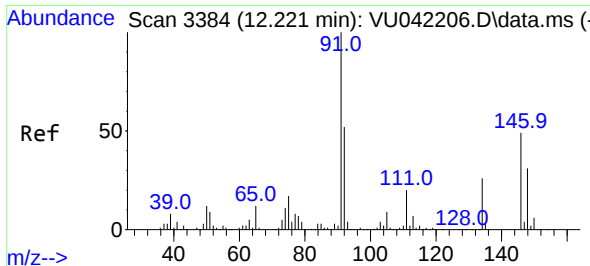
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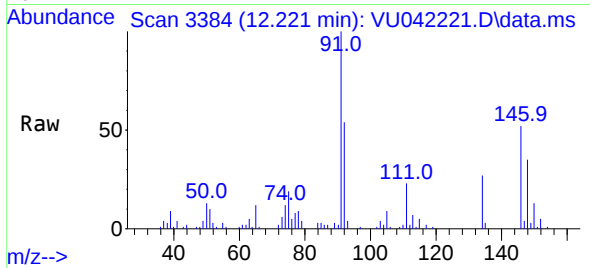
#84  
n-Butylbenzene  
Concen: 1.76 ug/l  
RT: 12.217 min Scan# 3383  
Delta R.T. -0.001 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 27240 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 51.8  | 41.8  | 62.8  |
| 134      | 25.1  | 20.3  | 30.5  |

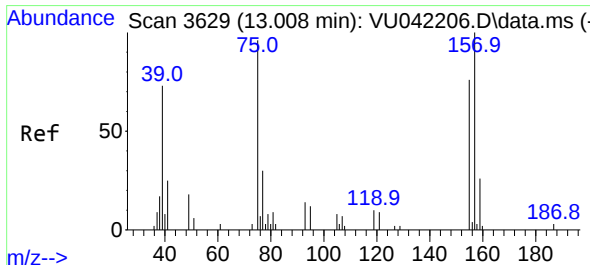
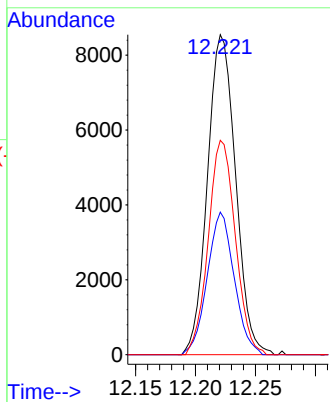
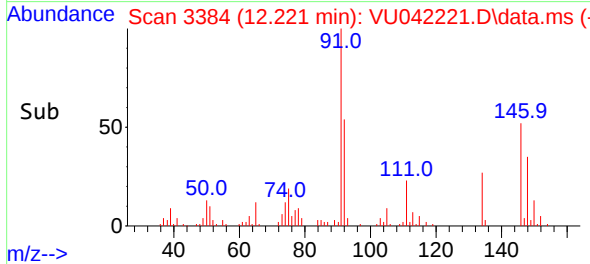




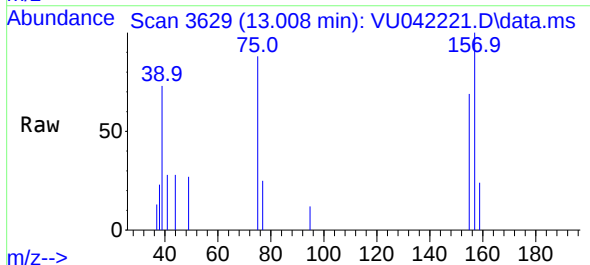
#85  
1,2-Dichlorobenzene  
Concen: 1.75 ug/l  
RT: 12.221 min Scan# 3384  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10



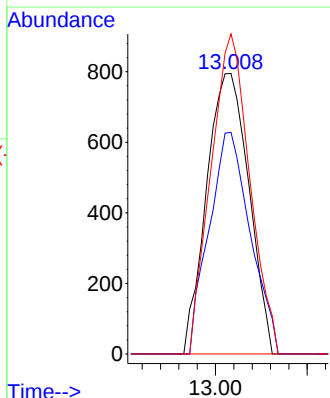
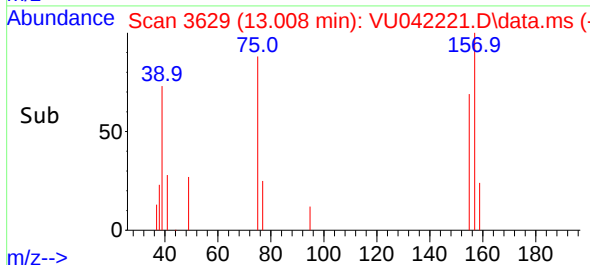
Tgt Ion:146 Resp: 13967  
Ion Ratio Lower Upper  
146 100  
111 42.7 20.6 61.8  
148 64.5 32.1 96.3



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 1.71 ug/l  
RT: 13.008 min Scan# 3629  
Delta R.T. 0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10



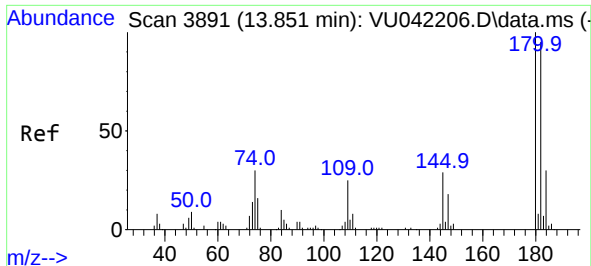
Tgt Ion: 75 Resp: 1272  
Ion Ratio Lower Upper  
75 100  
155 77.1 65.4 98.0  
157 104.9 83.3 124.9



Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

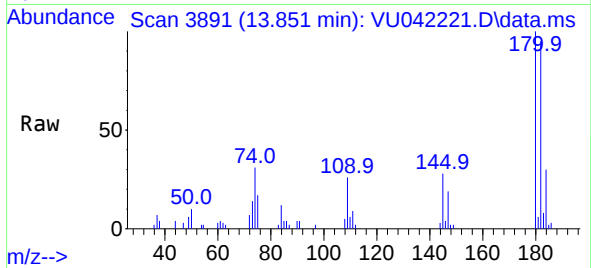
Manual Integrations  
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#87  
1,2,4-Trichlorobenzene  
Concen: 1.70 ug/l  
RT: 13.851 min Scan# 3891  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

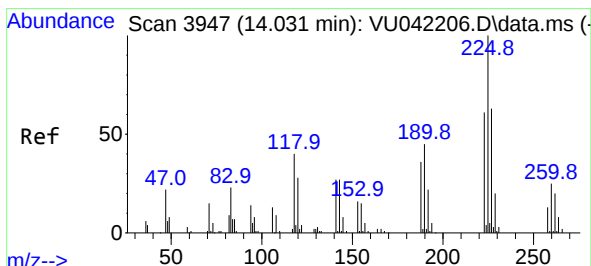
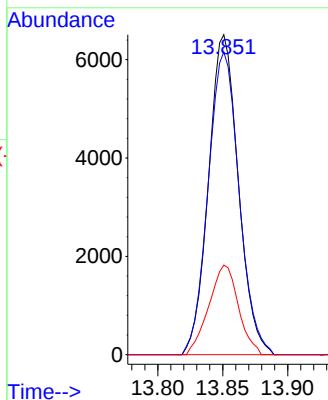
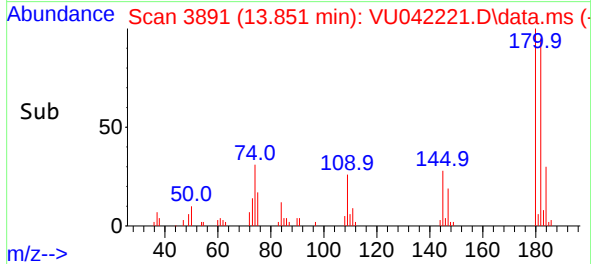
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01



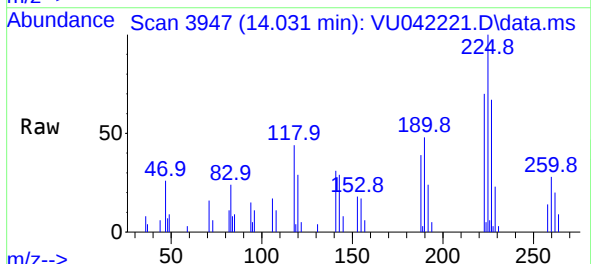
Tgt Ion:180 Resp: 10382  
Ion Ratio Lower Upper  
180 100  
182 98.0 76.7 115.1  
145 27.8 23.4 35.0

Manual Integrations  
APPROVED

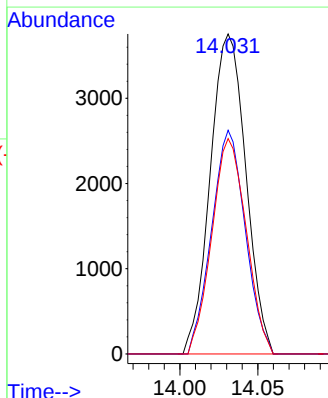
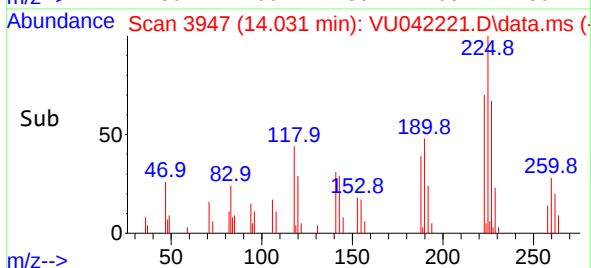
SAM  
2/4/2021 1:04:37 PM

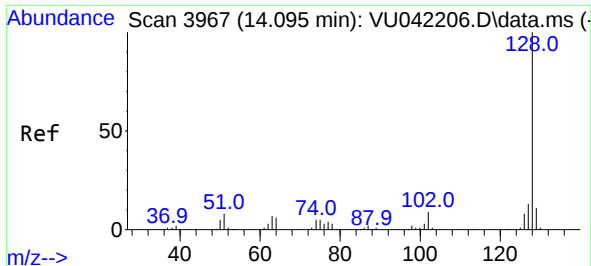


#88  
Hexachlorobutadiene  
Concen: 1.73 ug/l  
RT: 14.031 min Scan# 3947  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10

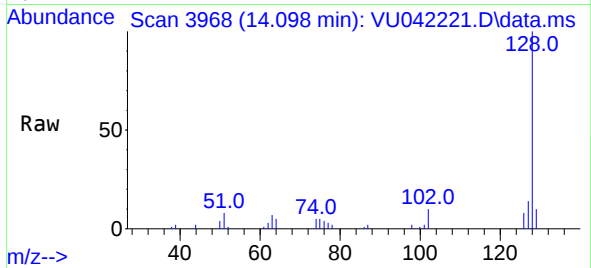


Tgt Ion:225 Resp: 5965  
Ion Ratio Lower Upper  
225 100  
223 66.1 49.8 74.6  
227 64.9 50.6 76.0

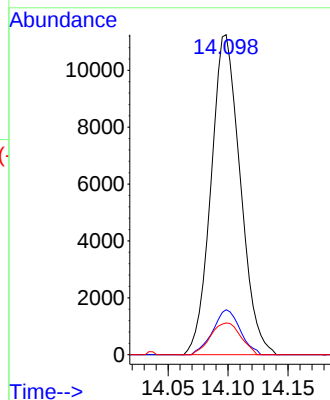
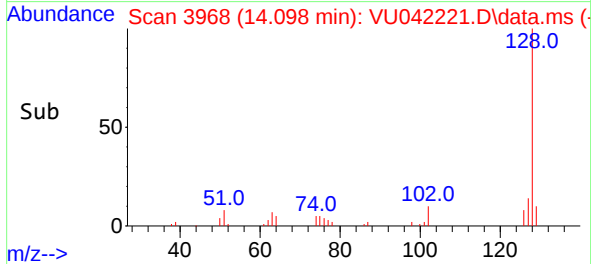




#89  
Naphthalene  
Concen: 1.66 ug/l  
RT: 14.098 min Scan# 3968  
Delta R.T. 0.003 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10



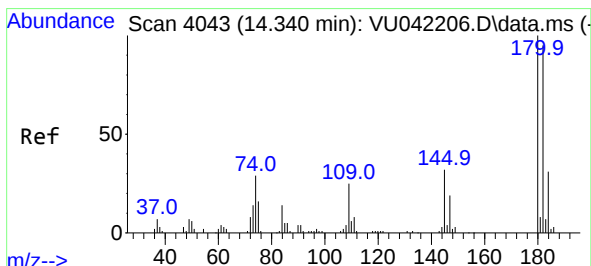
Tgt Ion:128 Resp: 19052  
Ion Ratio Lower Upper  
128 100  
127 13.2 11.0 16.4  
129 10.2 8.9 13.3



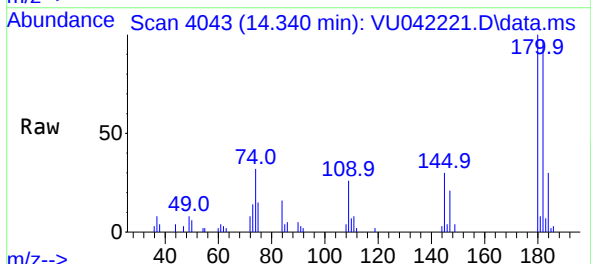
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0129WBSD01

Manual Integrations  
APPROVED

SAM  
2/4/2021 1:04:37 PM



#90  
1,2,3-Trichlorobenzene  
Concen: 1.72 ug/l  
RT: 14.340 min Scan# 4043  
Delta R.T. -0.000 min  
Lab File: VU042221.D  
Acq: 29 Jan 2021 12:10



Tgt Ion:180 Resp: 9593  
Ion Ratio Lower Upper  
180 100  
182 96.7 76.5 114.7  
145 32.1 25.4 38.0

