

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071921\  
 Data File : VU044364.D  
 Acq On : 19 Jul 2021 17:41  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/23/2021  
 Supervised By : Mahesh Dadoda 07/23/2021

Quant Time: Jul 21 15:34:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071621DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Jul 16 14:36:39 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.121  | 96   | 50666    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.639 | 95   | 20936    | 1.024  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 102.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.201 | 152  | 19981    | 1.002  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 100.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.388  | 85   | 183841   | 10.396 | ug/l     | 99       |
| 3) Chloromethane             | 1.526  | 50   | 195559   | 10.169 | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.607  | 62   | 203659   | 10.490 | ug/l     | 100      |
| 5) Bromomethane              | 1.861  | 94   | 104277   | 10.071 | ug/l     | 97       |
| 6) Chloroethane              | 1.938  | 64   | 117644   | 9.958  | ug/l     | 99       |
| 7) Trichlorofluoromethane    | 2.147  | 101  | 227644   | 10.847 | ug/l     | 100      |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.591  | 101  | 140299   | 10.578 | ug/l     | 98       |
| 9) 1,1-Dichloroethene        | 2.587  | 96   | 136069   | 10.517 | ug/l     | 95       |
| 10) Iodomethane              | 2.729  | 142  | 185824   | 10.975 | ug/l     | 88       |
| 11) Allyl Chloride           | 2.932  | 41   | 224284   | 10.526 | ug/l     | 82       |
| 12) Acrylonitrile            | 3.327  | 53   | 52001    | 17.537 | ug/l     | 95       |
| 13) Acetone                  | 2.636  | 43   | 64313    | 43.489 | ug/l     | 89       |
| 14) Carbon Disulfide         | 2.800  | 76   | 447334   | 10.444 | ug/l     | 100      |
| 15) Methylene Chloride       | 3.054  | 84   | 170298   | 9.274  | ug/l     | 93       |
| 16) trans-1,2-Dichloroethene | 3.359  | 96   | 149682   | 10.371 | ug/l     | 99       |
| 17) 1,1-Dichloroethane       | 3.880  | 63   | 284545   | 10.587 | ug/l     | 99       |
| 18) 2-Butanone               | 4.732  | 43   | 147764   | 46.592 | ug/l     | 97       |
| 19) Cyclohexane              | 5.391  | 56   | 255948   | 10.416 | ug/l     | 98       |
| 20) Methylcyclohexane        | 6.767  | 83   | 270070   | 10.539 | ug/l     | 99       |
| 21) 2,2-Dichloropropane      | 4.674  | 77   | 230763   | 10.471 | ug/l     | 96       |
| 22) cis-1,2-Dichloroethene   | 4.677  | 96   | 164489   | 10.429 | ug/l     | 95       |
| 23) Diethyl Ether            | 2.385  | 59   | 114106   | 10.511 | ug/l     | 99       |
| 24) tert-Butyl Alcohol       | 3.202  | 59   | 52963    | 82.211 | ug/l     | 98       |
| 25) Methyl tert-Butyl Ether  | 3.378  | 73   | 374257   | 10.362 | ug/l     | 93       |
| 26) Bromochloromethane       | 4.983  | 128  | 67396    | 10.096 | ug/l     | 98       |
| 27) Chloroform               | 5.099  | 83   | 270403   | 10.394 | ug/l     | 99       |
| 28) 1,1,1-Trichloroethane    | 5.324  | 97   | 227765   | 10.499 | ug/l     | 98       |
| 29) 1,1-Dichloropropene      | 5.533  | 75   | 213791   | 10.372 | ug/l     | 99       |
| 30) Carbon Tetrachloride     | 5.529  | 117  | 191489   | 10.587 | ug/l     | 99       |
| 31) Isopropyl Ether          | 4.012  | 45   | 473419   | 10.588 | ug/l     | 95       |
| 32) Ethyl-t-butyl ether      | 4.523  | 59   | 457004   | 10.365 | ug/l     | 98       |
| 33) Tert-Amyl methyl ether   | 5.960  | 73   | 384290   | 9.801  | ug/l     | 98       |
| 34) Propionitrile            | 4.800  | 54   | 42013    | 46.801 | ug/l     | # 96     |
| 35) Benzene                  | 5.780  | 78   | 634472   | 10.591 | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.806  | 62   | 176563   | 10.271 | ug/l     | 97       |
| 37) Trichloroethene          | 6.549  | 130  | 156183   | 10.373 | ug/l     | 94       |
| 38) 1,2-Dichloropropane      | 6.803  | 63   | 165043   | 10.409 | ug/l     | 98       |
| 39) Methacrylonitrile        | 4.993  | 41   | 50956    | 9.957  | ug/l     | 96       |
| 40) Methyl acrylate          | 4.864  | 55   | 78171    | 9.817  | ug/l     | 99       |
| 41) Tetrahydrofuran          | 5.076  | 42   | 41489    | 17.092 | ug/l     | 99       |
| 42) 1-Chlorobutane           | 5.465  | 56   | 300347   | 10.310 | ug/l     | 95       |
| 43) Dibromomethane           | 6.928  | 93   | 83149    | 10.573 | ug/l     | 98       |
| 44) Bromodichloromethane     | 7.118  | 83   | 200014   | 10.721 | ug/l     | 99       |

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 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

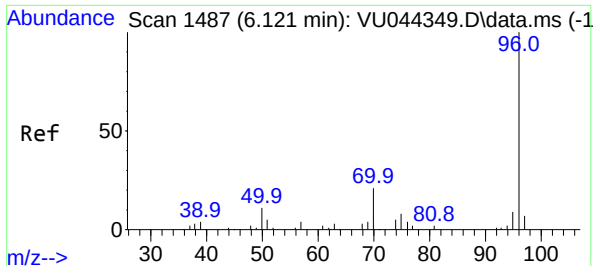
Reviewed By : John Carlone 07/23/2021  
 Supervised By : Mahesh Dadoda 07/23/2021

Quant Time: Jul 21 15:34:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071621DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Jul 16 14:36:39 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.809  | 43   | 558895   | 52.312 | ug/l   | 95       |
| 46) t-1,4-Dichloro-2-butene   | 10.841 | 75   | 98070m   | 21.663 | ug/l   |          |
| 47) Methyl methacrylate       | 6.976  | 69   | 180186   | 20.726 | ug/l # | 90       |
| 48) Ethyl methacrylate        | 8.346  | 69   | 186595   | 10.394 | ug/l   | 93       |
| 49) Toluene                   | 7.976  | 92   | 397336   | 10.545 | ug/l   | 99       |
| 50) t-1,3-Dichloropropene     | 8.221  | 75   | 209227   | 10.799 | ug/l   | 97       |
| 51) cis-1,3-Dichloropropene   | 7.616  | 75   | 243974   | 10.674 | ug/l   | 94       |
| 52) 1,1,2-Trichloroethane     | 8.410  | 97   | 121959   | 10.526 | ug/l   | 97       |
| 53) 1,3-Dichloropropane       | 8.584  | 76   | 223342   | 10.494 | ug/l   | 100      |
| 54) 2-Hexanone                | 8.700  | 43   | 397170   | 52.261 | ug/l   | 92       |
| 55) Dibromochloromethane      | 8.819  | 129  | 133307   | 10.626 | ug/l   | 99       |
| 56) 1,2-Dibromoethane         | 8.931  | 107  | 117540   | 10.378 | ug/l   | 100      |
| 58) Tetrachloroethene         | 8.558  | 164  | 135356   | 10.591 | ug/l   | 98       |
| 59) Chlorobenzene             | 9.455  | 112  | 420507   | 10.555 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.542  | 131  | 142785   | 10.755 | ug/l   | 99       |
| 61) Pentachloroethane         | 11.436 | 117  | 113276   | 10.677 | ug/l   | 95       |
| 62) Hexachloroethane          | 12.481 | 117  | 122511   | 11.063 | ug/l   | 99       |
| 63) Ethyl Benzene             | 9.578  | 91   | 763037   | 10.715 | ug/l   | 100      |
| 64) m/p-Xylenes               | 9.700  | 106  | 580481   | 21.332 | ug/l   | 100      |
| 65) o-Xylene                  | 10.108 | 106  | 282639   | 10.763 | ug/l   | 100      |
| 66) Styrene                   | 10.121 | 104  | 490339   | 10.837 | ug/l   | 98       |
| 67) Bromoform                 | 10.298 | 173  | 76247    | 10.859 | ug/l   | 99       |
| 69) Isopropylbenzene          | 10.491 | 105  | 750357   | 10.682 | ug/l   | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 162574   | 10.631 | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.838 | 75   | 117877m  | 8.992  | ug/l   |          |
| 72) Bromobenzene              | 10.790 | 156  | 171091   | 10.520 | ug/l   | 95       |
| 73) n-propylbenzene           | 10.912 | 120  | 201755   | 10.656 | ug/l   | 93       |
| 74) 2-Chlorotoluene           | 10.992 | 126  | 168482   | 10.374 | ug/l   | 92       |
| 75) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 641541   | 10.806 | ug/l   | 100      |
| 76) 4-Chlorotoluene           | 11.105 | 126  | 177765   | 10.536 | ug/l   | 96       |
| 77) tert-Butylbenzene         | 11.426 | 119  | 625998   | 10.757 | ug/l   | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 649293   | 10.774 | ug/l   | 100      |
| 79) sec-Butylbenzene          | 11.648 | 105  | 852223   | 10.753 | ug/l   | 99       |
| 80) Nitrobenzene              | 13.214 | 77   | 21722    | 47.619 | ug/l # | 95       |
| 81) p-Isopropyltoluene        | 11.799 | 119  | 704149   | 10.731 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.751 | 146  | 339843   | 10.520 | ug/l   | 100      |
| 83) 1,4-Dichlorobenzene       | 11.844 | 146  | 337288   | 10.338 | ug/l   | 99       |
| 84) n-Butylbenzene            | 12.214 | 91   | 706132   | 10.990 | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene       | 12.217 | 146  | 324842   | 10.381 | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.005 | 75   | 28719    | 10.865 | ug/l   | 99       |
| 87) 1,2,4-Trichlorobenzene    | 13.847 | 180  | 234024   | 10.570 | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 14.028 | 225  | 116111   | 10.838 | ug/l   | 98       |
| 89) Naphthalene               | 14.092 | 128  | 489205   | 11.048 | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 221023   | 10.996 | ug/l   | 99       |

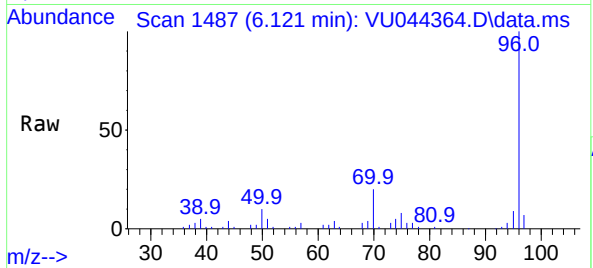
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.121 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

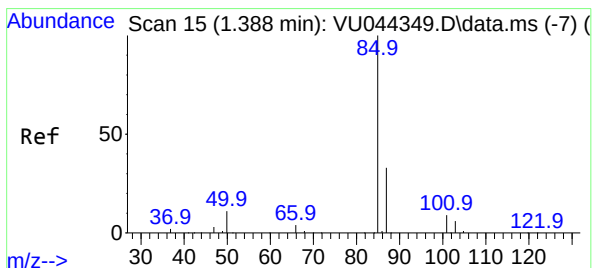
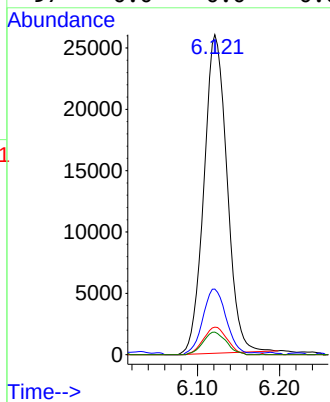
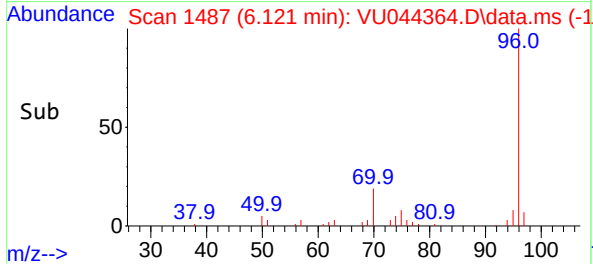
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 96 Resp: 50660  
Ion Ratio Lower Upper  
96 100  
70 20.5 16.2 24.2  
95 8.9 7.3 10.9  
97 0.0 0.0 0.0

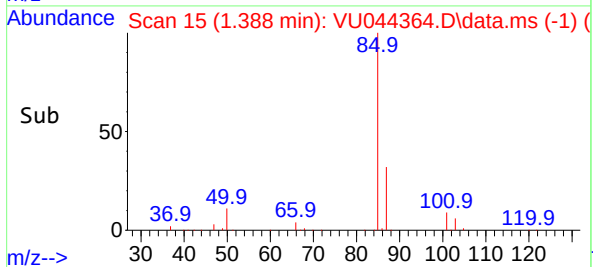
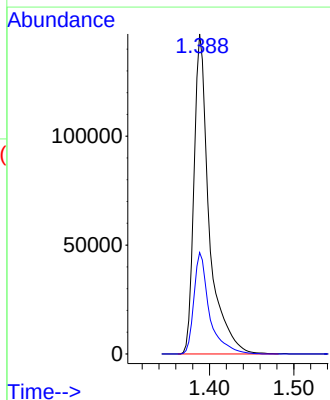
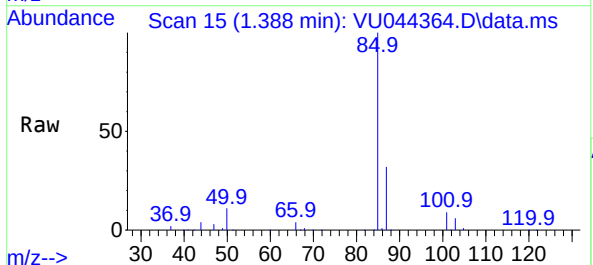
Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/23/2021  
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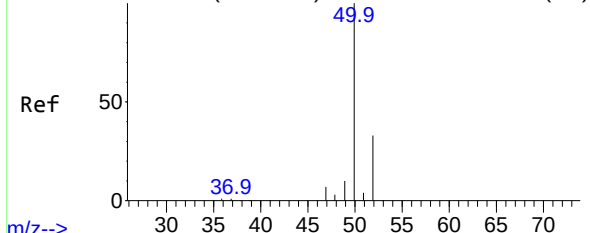


#2  
Dichlorodifluoromethane  
Concen: 10.396 ug/l  
RT: 1.388 min Scan# 15  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Tgt Ion: 85 Resp: 183841  
Ion Ratio Lower Upper  
85 100  
87 31.7 16.0 48.0

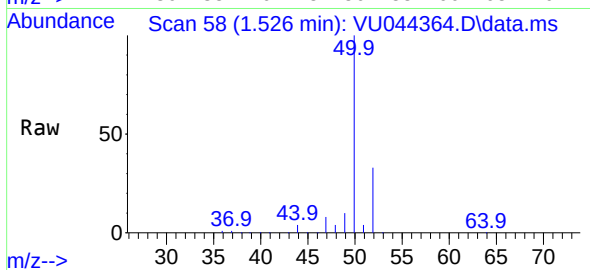


Abundance Scan 58 (1.527 min): VU044349.D\data.ms (-48)



#3  
Chloromethane  
Concen: 10.169 ug/l  
RT: 1.526 min Scan# 50  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

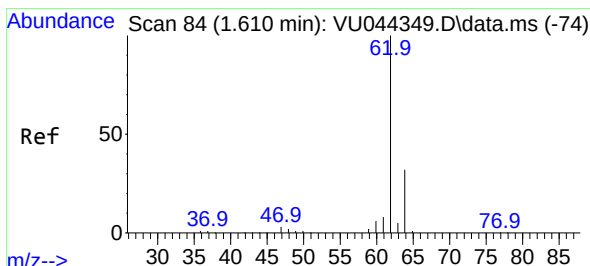
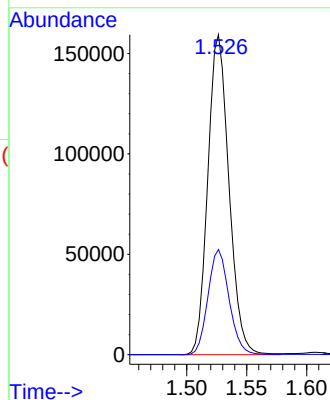
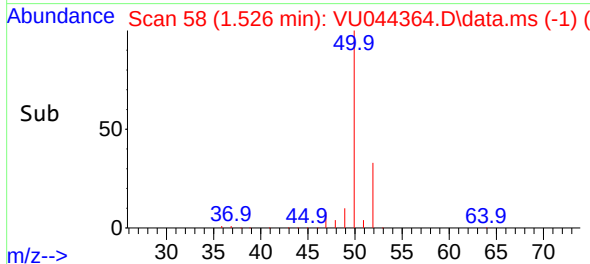
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 50 Resp: 19555  
Ion Ratio Lower Upper  
50 100  
52 32.9 26.7 40.1

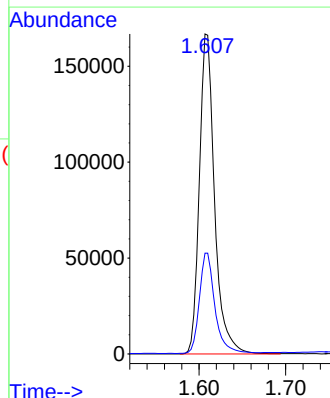
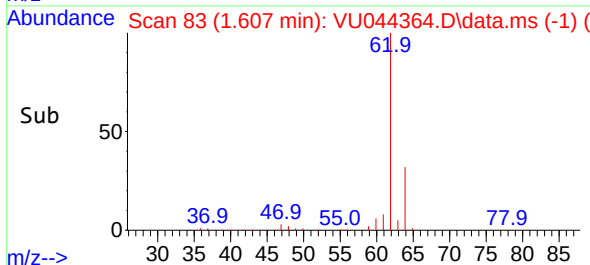
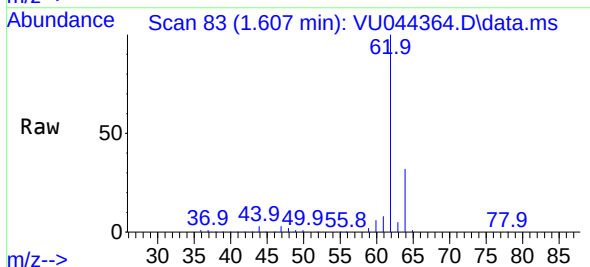
Manual Integrations  
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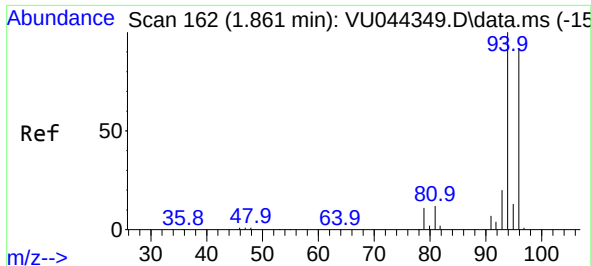
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#4  
Vinyl Chloride  
Concen: 10.490 ug/l  
RT: 1.607 min Scan# 83  
Delta R.T. -0.003 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

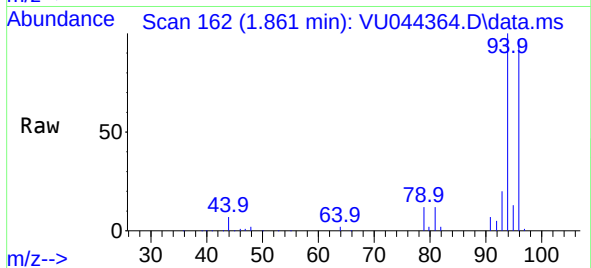
Tgt Ion: 62 Resp: 203659  
Ion Ratio Lower Upper  
62 100  
64 31.3 25.1 37.7





#5  
Bromomethane  
Concen: 10.071 ug/l  
RT: 1.861 min Scan# 162  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

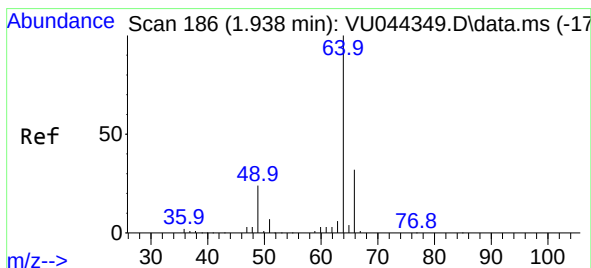
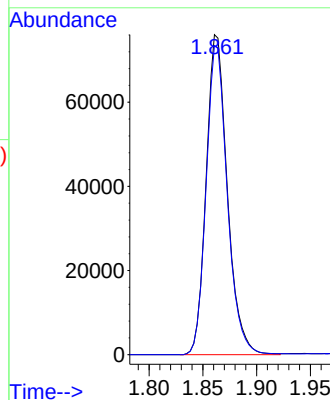
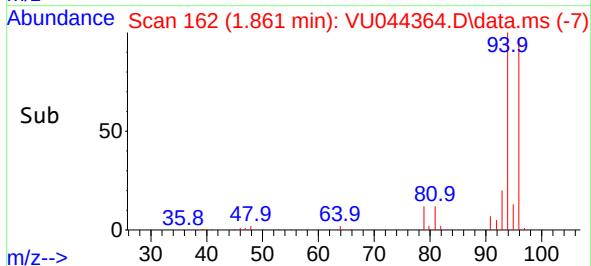
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 94 Resp: 10427  
Ion Ratio Lower Upper  
94 100  
96 96.5 74.7 112.1

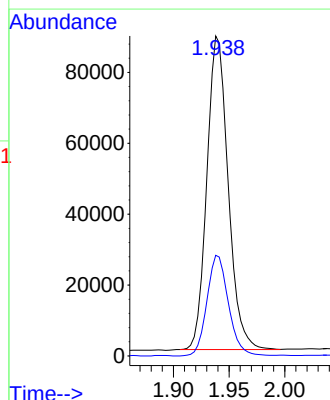
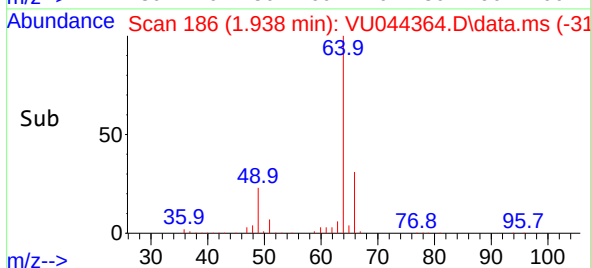
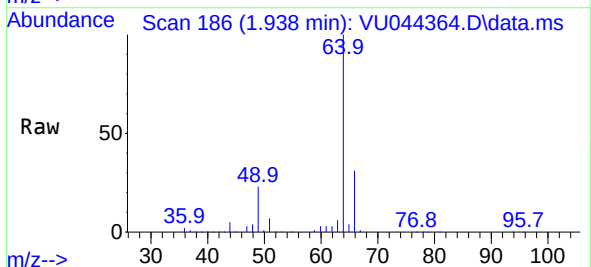
Manual Integrations  
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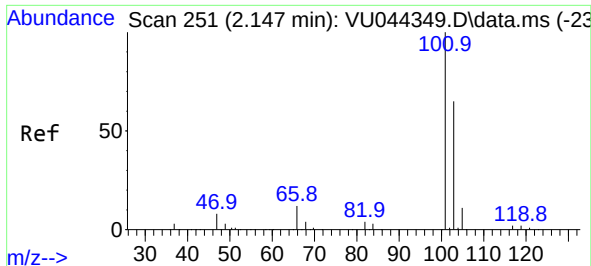
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#6  
Chloroethane  
Concen: 9.958 ug/l  
RT: 1.938 min Scan# 186  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Tgt Ion: 64 Resp: 117644  
Ion Ratio Lower Upper  
64 100  
66 32.1 26.1 39.1





#7  
Trichlorofluoromethane  
Concen: 10.847 ug/l  
RT: 2.147 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Instrument :

MSVOA\_U

ClientSampleId :

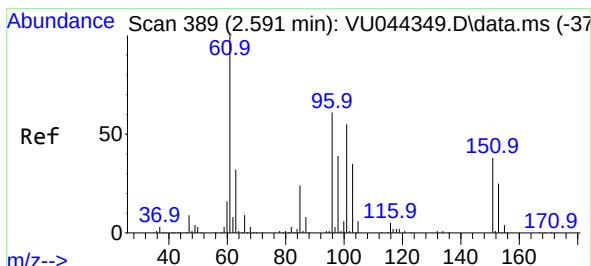
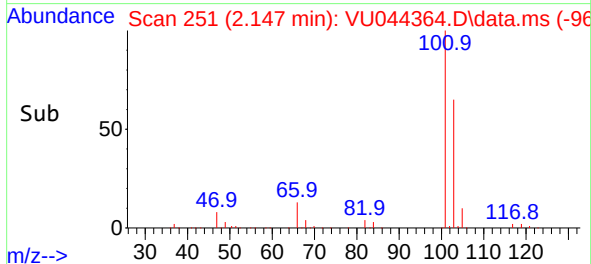
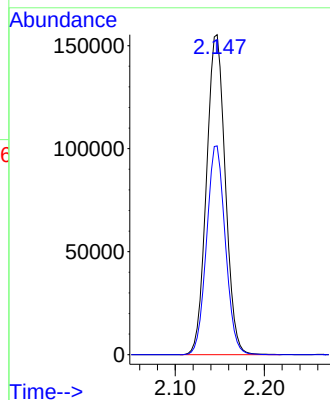
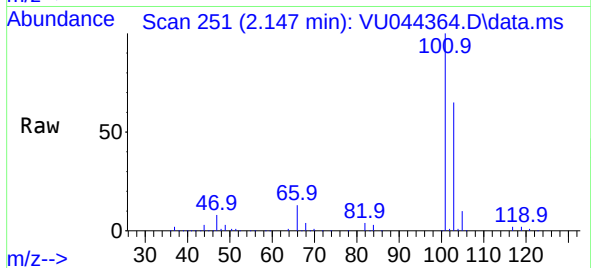
VSTDCCC010EC

Tgt Ion:101 Resp: 227644  
Ion Ratio Lower Upper  
101 100  
103 65.2 51.9 77.9

Manual Integrations

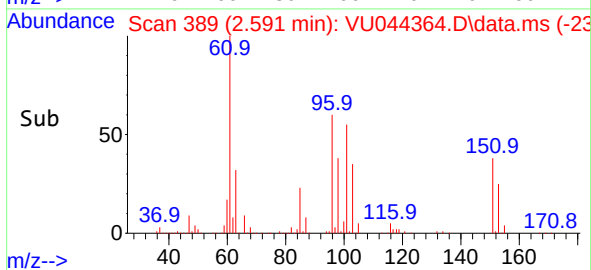
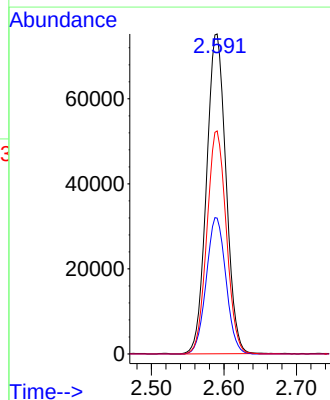
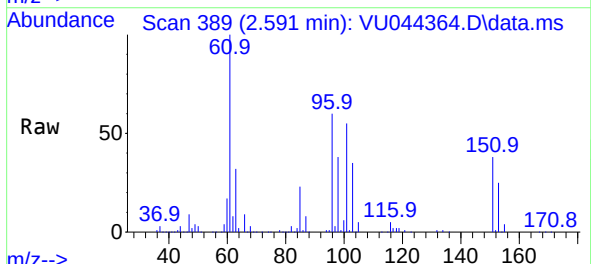
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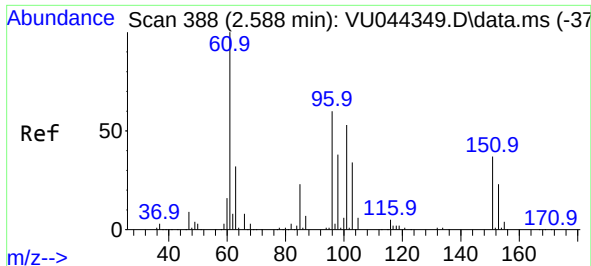
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 10.578 ug/l  
RT: 2.591 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

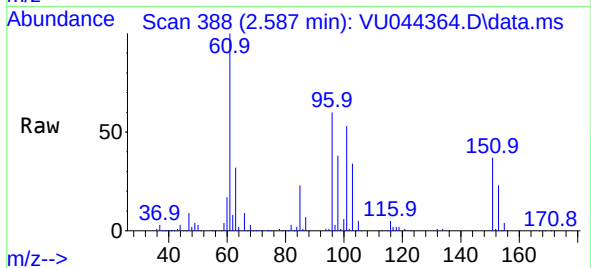
Tgt Ion:101 Resp: 140299  
Ion Ratio Lower Upper  
101 100  
85 43.0 35.8 53.8  
151 69.6 57.0 85.4





#9  
1,1-Dichloroethene  
Concen: 10.517 ug/l  
RT: 2.587 min Scan# 388  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

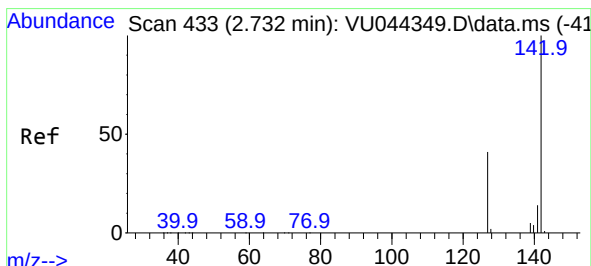
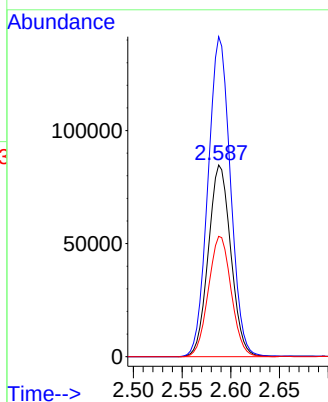
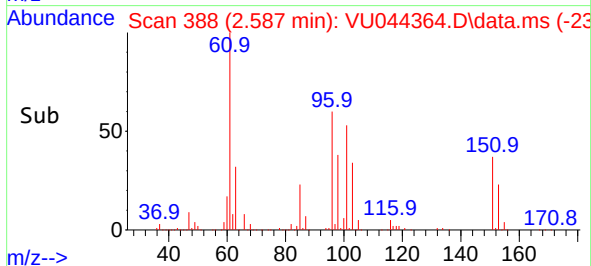
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



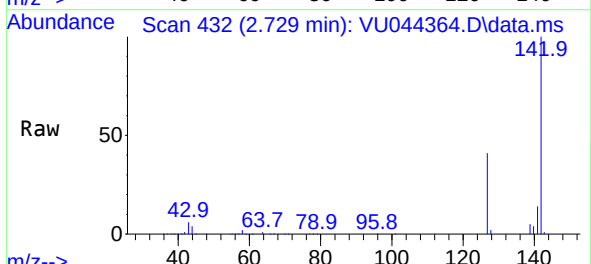
Tgt Ion: 96 Resp: 136069  
Ion Ratio Lower Upper  
96 100  
61 166.9 0.0 528.0  
98 62.7 0.0 127.4

Manual Integrations  
APPROVED

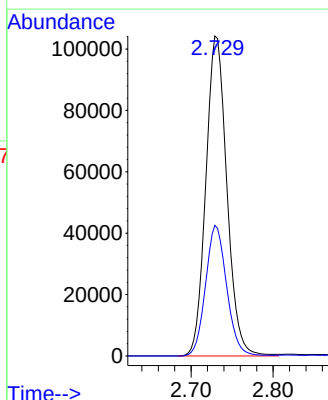
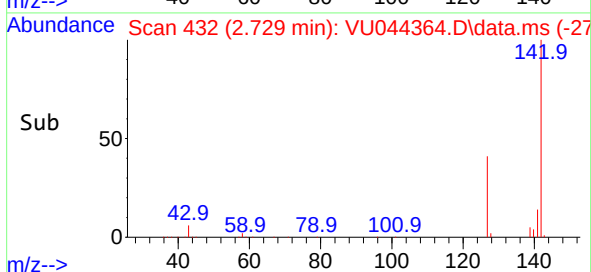
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



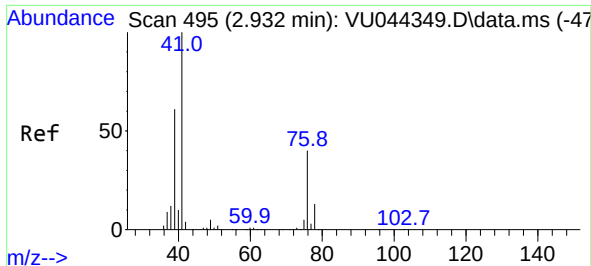
#10  
Iodomethane  
Concen: 10.975 ug/l  
RT: 2.729 min Scan# 432  
Delta R.T. -0.003 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



Tgt Ion:142 Resp: 185824  
Ion Ratio Lower Upper  
142 100  
127 41.0 39.1 58.7

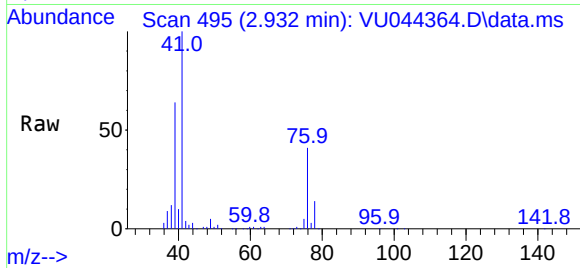






#11  
 Allyl Chloride  
 Concen: 10.526 ug/l  
 RT: 2.932 min Scan# 495  
 Delta R.T. -0.000 min  
 Lab File: VU044364.D  
 Acq: 19 Jul 2021 17:41

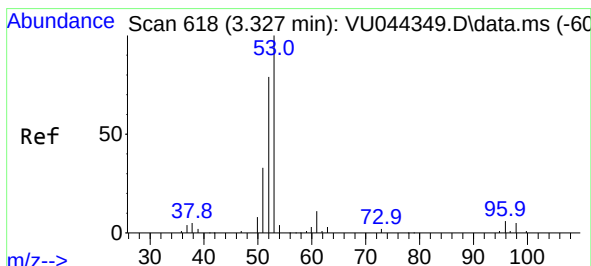
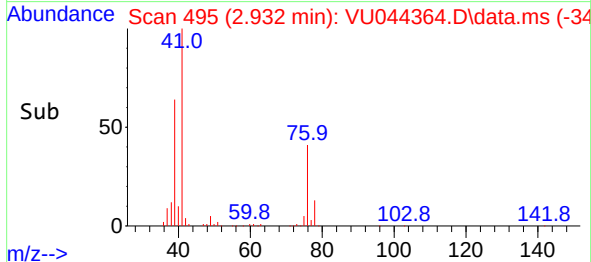
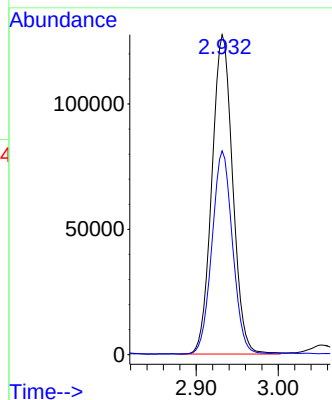
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC



Tgt Ion: 41 Resp: 224284  
 Ion Ratio Lower Upper  
 41 100  
 39 62.8 62.5 93.7

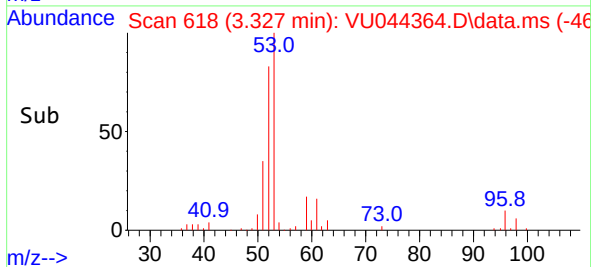
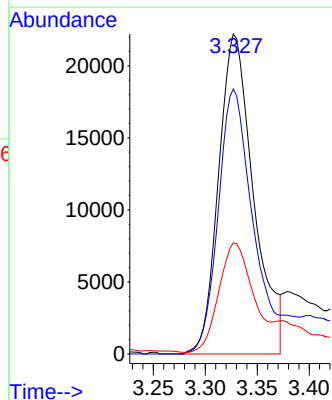
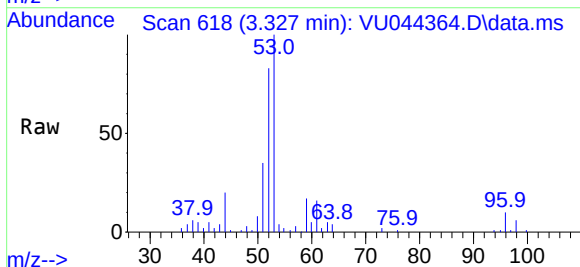
Manual Integrations  
 APPROVED

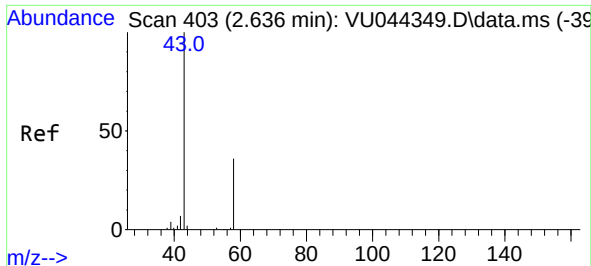
Reviewed By :John Carlone 07/23/2021  
 Supervised By :Mahesh Dadoda 07/23/2021



#12  
 Acrylonitrile  
 Concen: 17.537 ug/l  
 RT: 3.327 min Scan# 618  
 Delta R.T. -0.000 min  
 Lab File: VU044364.D  
 Acq: 19 Jul 2021 17:41

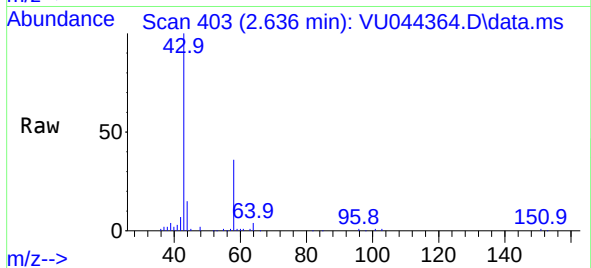
Tgt Ion: 53 Resp: 52001  
 Ion Ratio Lower Upper  
 53 100  
 52 87.6 67.0 100.4  
 51 33.5 29.8 44.6





#13  
Acetone  
Concen: 43.489 ug/l  
RT: 2.636 min Scan# 403  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

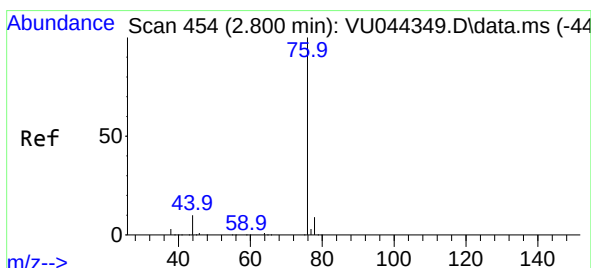
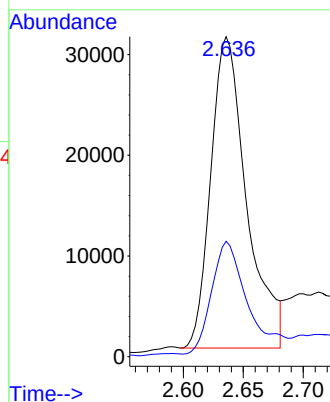
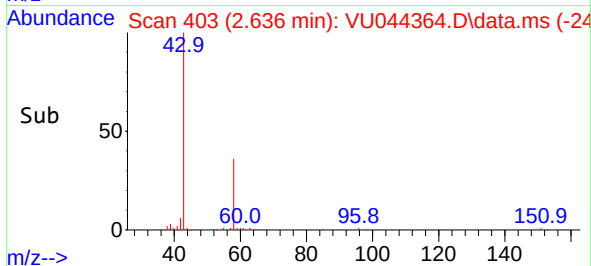
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 43 Resp: 64311  
Ion Ratio Lower Upper  
43 100  
58 36.2 24.3 36.5

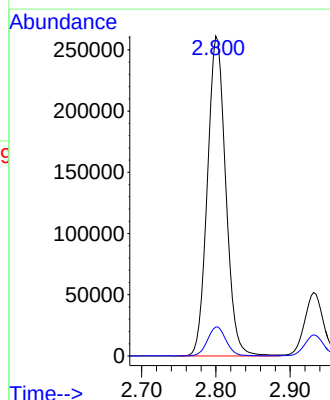
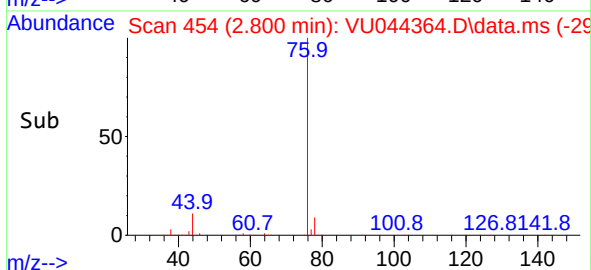
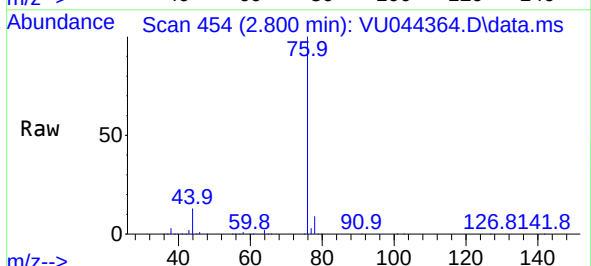
Manual Integrations  
APPROVED

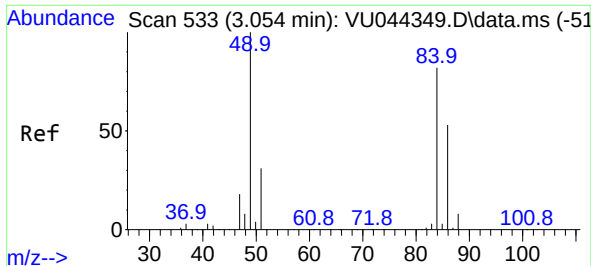
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#14  
Carbon Disulfide  
Concen: 10.444 ug/l  
RT: 2.800 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

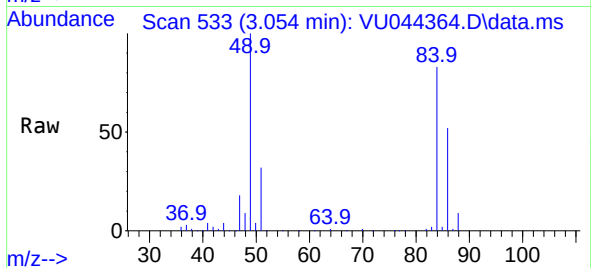
Tgt Ion: 76 Resp: 447334  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.1 10.7





#15  
Methylene Chloride  
Concen: 9.274 ug/l  
RT: 3.054 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

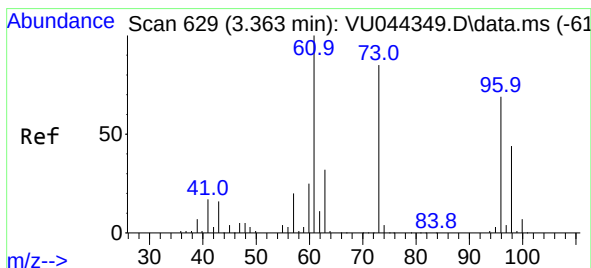
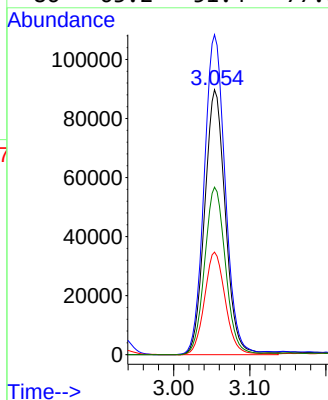
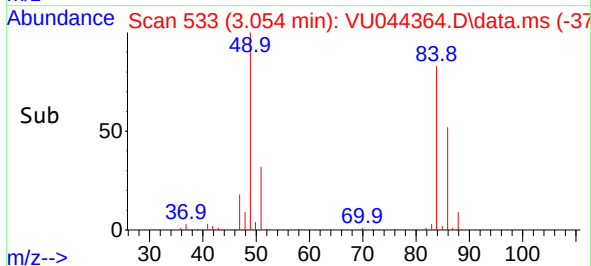
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



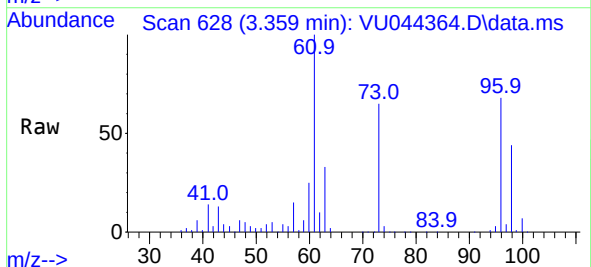
Tgt Ion: 84 Resp: 170298  
Ion Ratio Lower Upper  
84 100  
49 120.6 106.3 159.5  
51 38.7 0.0 81.8  
86 63.2 51.4 77.0

Manual Integrations  
APPROVED

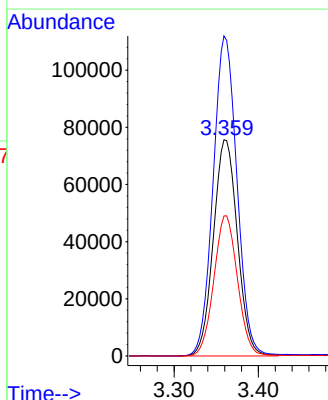
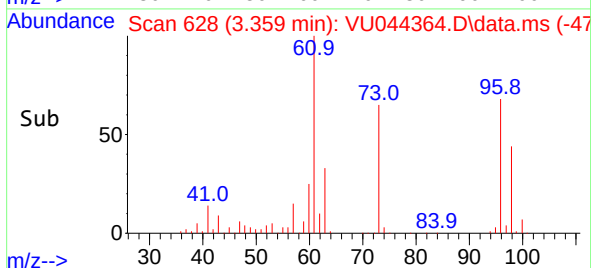
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

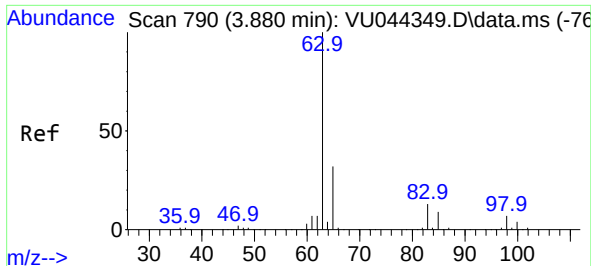


#16  
trans-1,2-Dichloroethene  
Concen: 10.371 ug/l  
RT: 3.359 min Scan# 628  
Delta R.T. -0.003 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



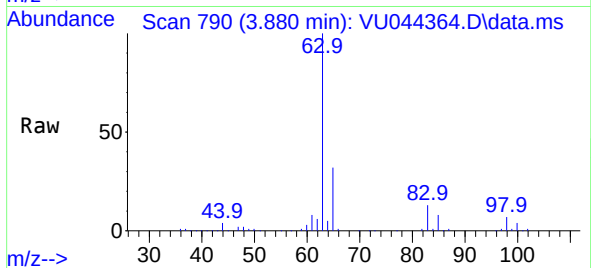
Tgt Ion: 96 Resp: 149682  
Ion Ratio Lower Upper  
96 100  
61 148.0 119.3 178.9  
98 64.7 50.8 76.2





#17  
1,1-Dichloroethane  
Concen: 10.587 ug/l  
RT: 3.880 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

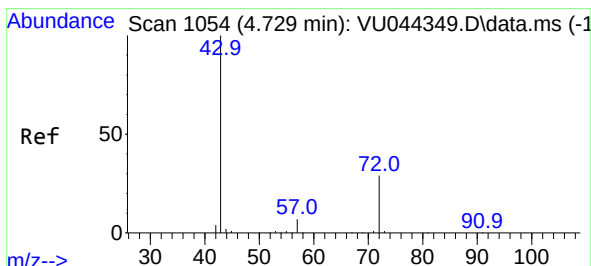
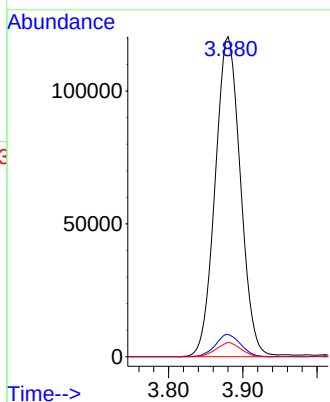
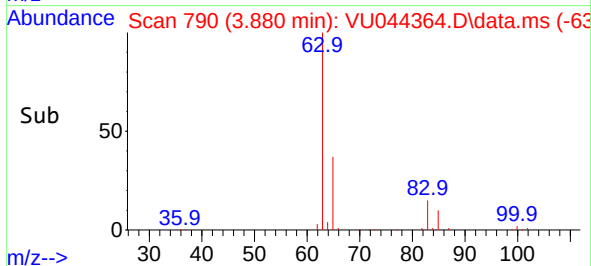
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



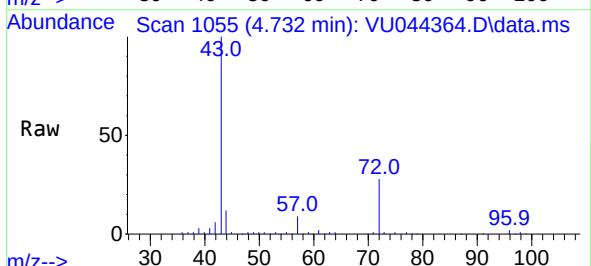
Tgt Ion: 63 Resp: 28454  
Ion Ratio Lower Upper  
63 100  
98 7.0 3.5 10.5  
100 4.4 2.0 5.8

Manual Integrations  
APPROVED

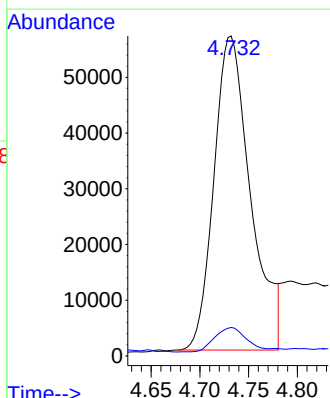
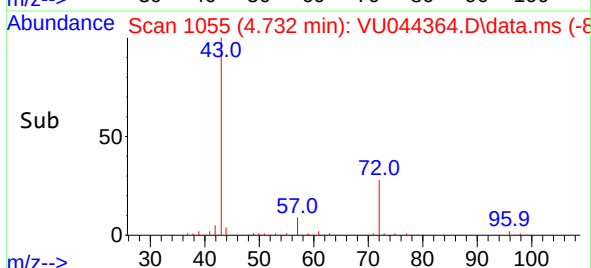
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

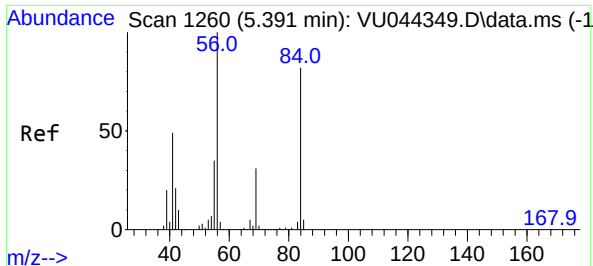


#18  
2-Butanone  
Concen: 46.592 ug/l  
RT: 4.732 min Scan# 1055  
Delta R.T. 0.003 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



Tgt Ion: 43 Resp: 147764  
Ion Ratio Lower Upper  
43 100  
57 7.8 0.0 17.6





Cyclohexane

Concen: 10.416 ug/l

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU044364.D

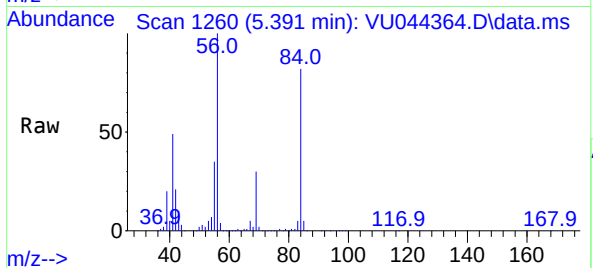
Acq: 19 Jul 2021 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC



Tgt Ion: 56 Resp: 25594

Ion Ratio Lower Upper

56 100

69 33.3 26.6 40.0

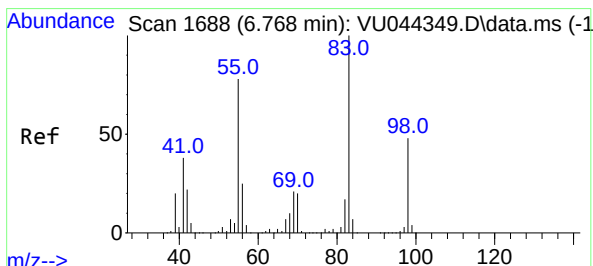
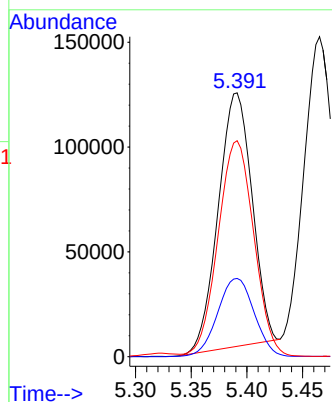
84 88.7 73.0 109.4

Manual Integrations

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Reviewed By :John Carlone 07/23/2021

Supervised By :Mahesh Dadoda 07/23/2021



Methylcyclohexane

Concen: 10.539 ug/l

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU044364.D

Acq: 19 Jul 2021 17:41

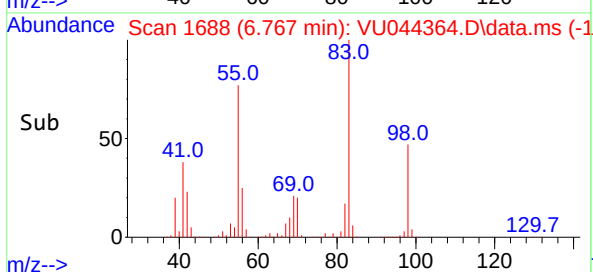
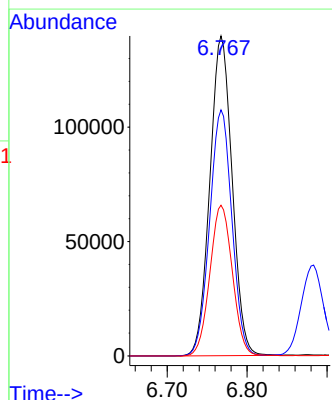
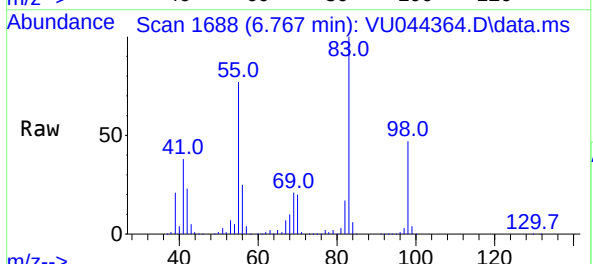
Tgt Ion: 83 Resp: 270070

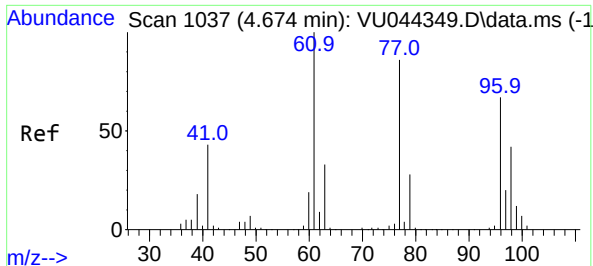
Ion Ratio Lower Upper

83 100

55 76.8 61.0 91.6

98 47.4 39.3 58.9





#21

2,2-Dichloropropane

Concen: 10.471 ug/l

RT: 4.674 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VU044364.D

Acq: 19 Jul 2021 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 77 Resp: 23076

Ion Ratio Lower Upper

77 100

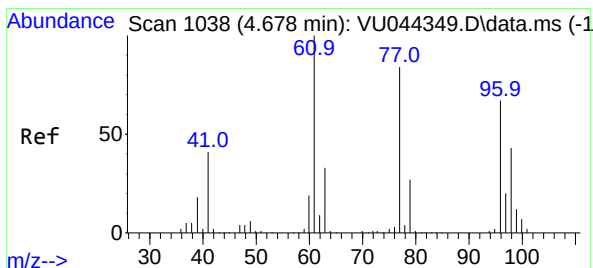
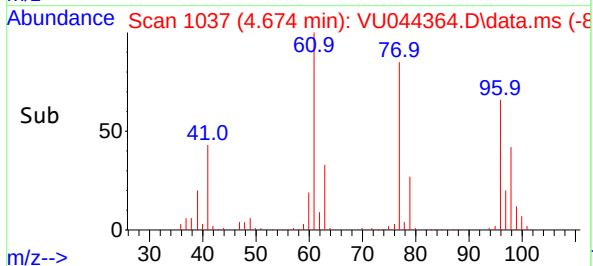
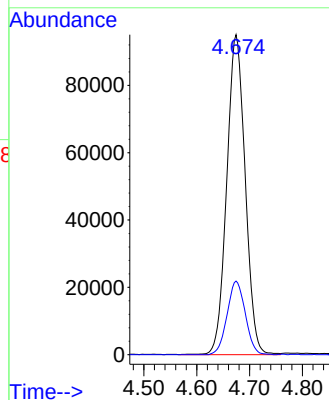
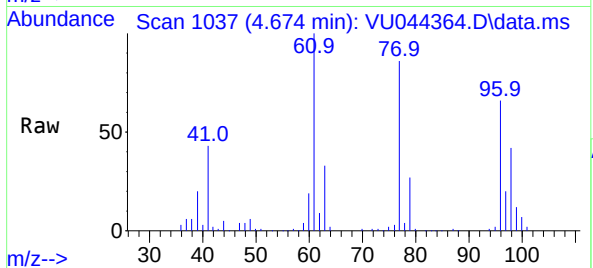
97 22.7 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/23/2021

Supervised By :Mahesh Dadoda 07/23/2021



#22

cis-1,2-Dichloroethene

Concen: 10.429 ug/l

RT: 4.677 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VU044364.D

Acq: 19 Jul 2021 17:41

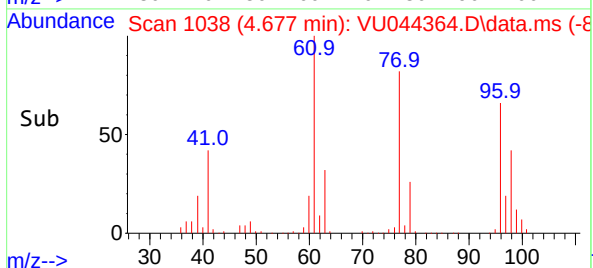
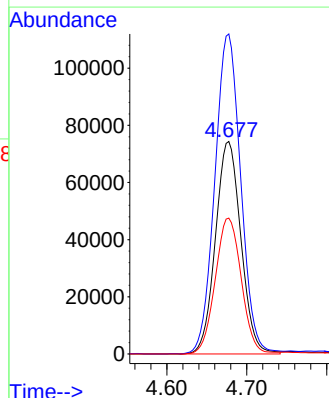
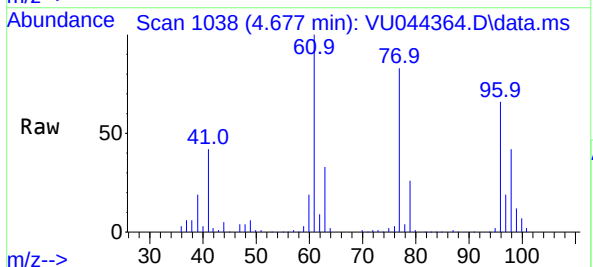
Tgt Ion: 96 Resp: 164489

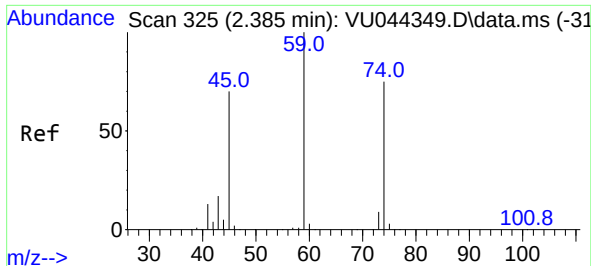
Ion Ratio Lower Upper

96 100

61 153.3 0.0 407.7

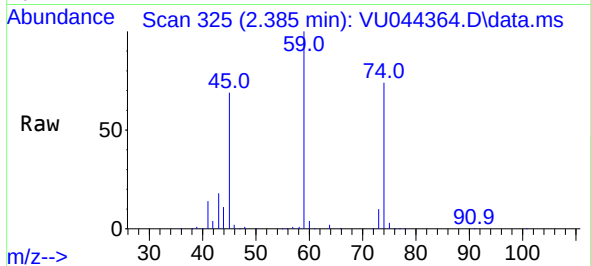
98 65.5 32.5 97.4





#23  
Diethyl Ether  
Concen: 10.511 ug/l  
RT: 2.385 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

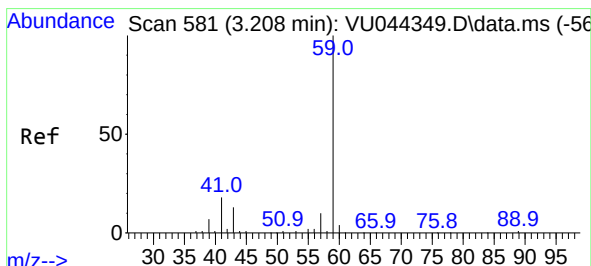
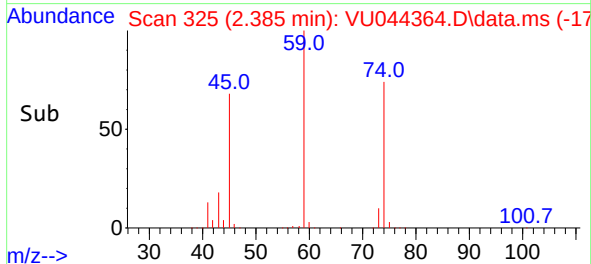
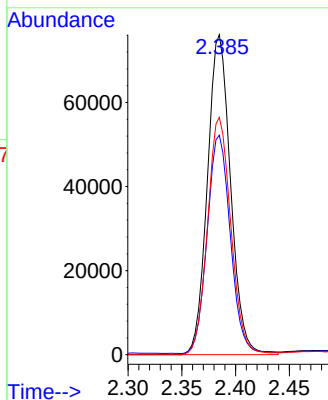
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 59 Resp: 114100  
Ion Ratio Lower Upper  
59 100  
45 68.3 55.7 83.5  
74 74.8 59.7 89.5

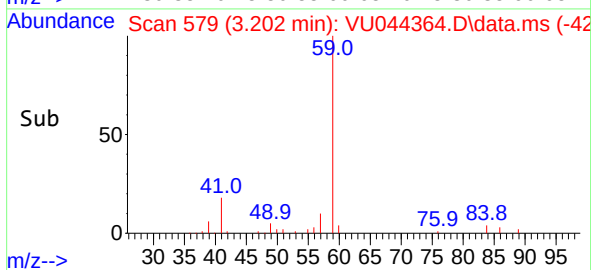
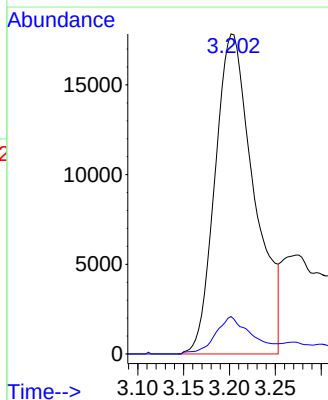
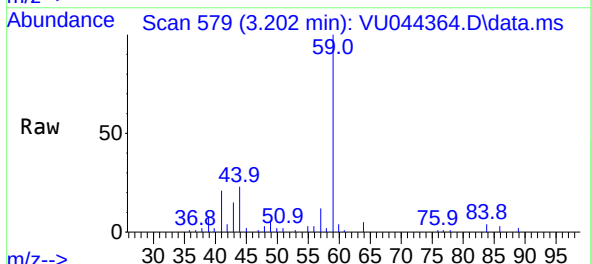
Manual Integrations  
APPROVED

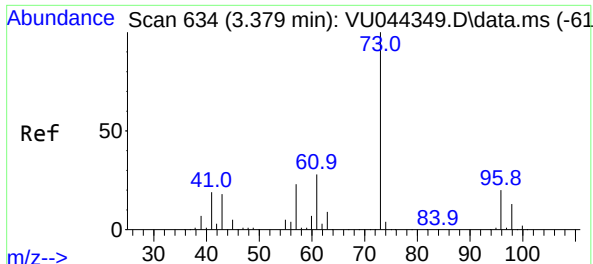
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#24  
tert-Butyl Alcohol  
Concen: 82.211 ug/l  
RT: 3.202 min Scan# 579  
Delta R.T. -0.007 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

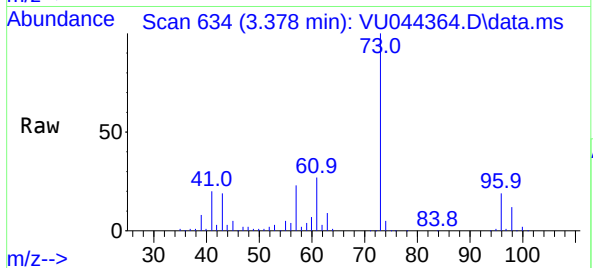
Tgt Ion: 59 Resp: 52963  
Ion Ratio Lower Upper  
59 100  
57 11.1 8.2 12.4





#25  
Methyl tert-Butyl Ether  
Concen: 10.362 ug/l  
RT: 3.378 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

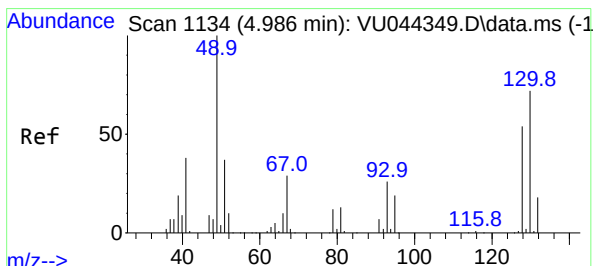
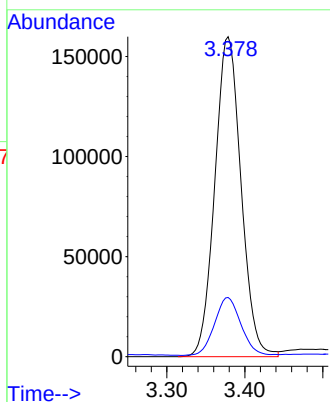
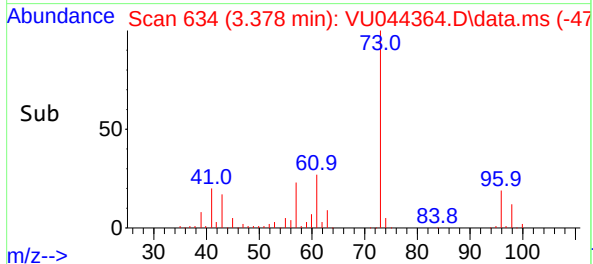
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



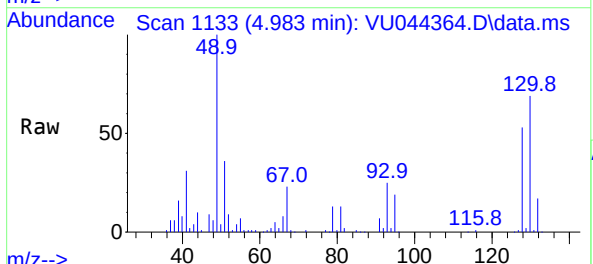
Tgt Ion: 73 Resp: 37425  
Ion Ratio Lower Upper  
73 100  
43 18.1 17.3 25.9

Manual Integrations  
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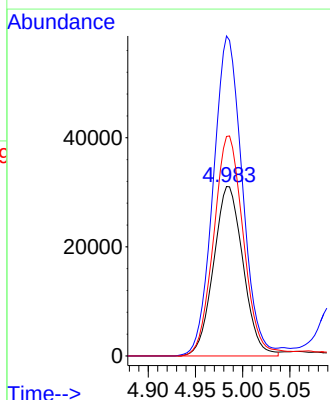
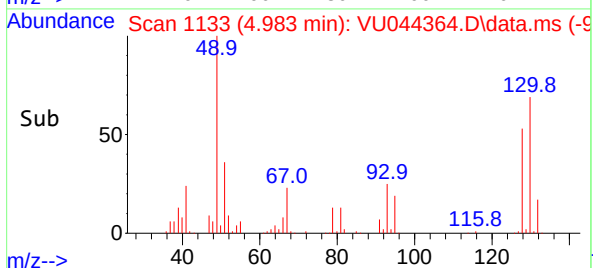
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



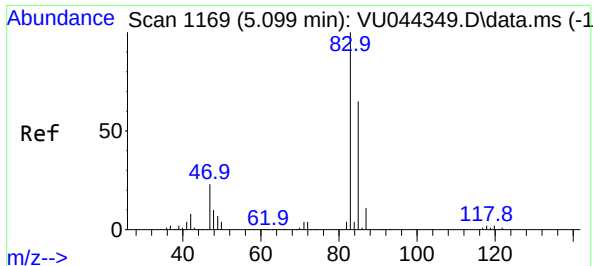
#26  
Bromochloromethane  
Concen: 10.096 ug/l  
RT: 4.983 min Scan# 1133  
Delta R.T. -0.003 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



Tgt Ion:128 Resp: 67396  
Ion Ratio Lower Upper  
128 100  
49 185.6 0.0 364.2  
130 131.8 103.5 155.3

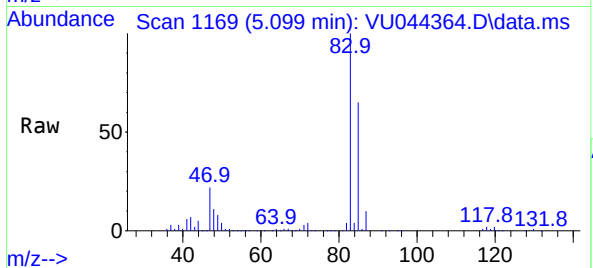






#27  
Chloroform  
Concen: 10.394 ug/l  
RT: 5.099 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

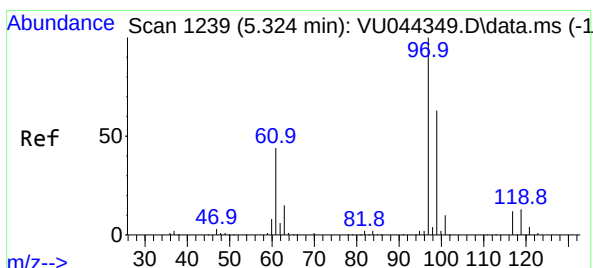
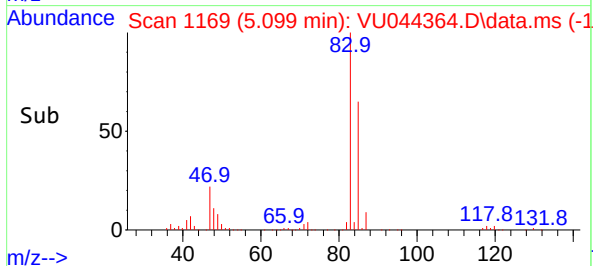
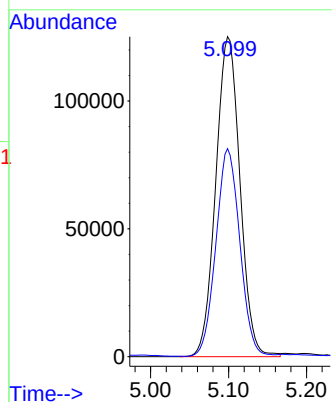
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 83 Resp: 27040  
Ion Ratio Lower Upper  
83 100  
85 64.9 0.0 127.8

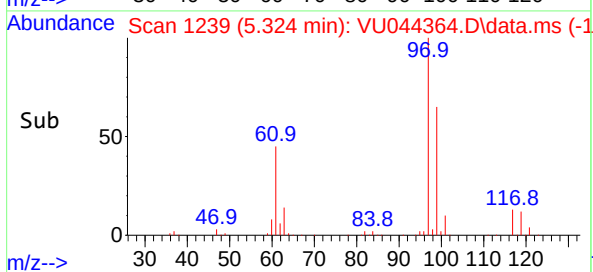
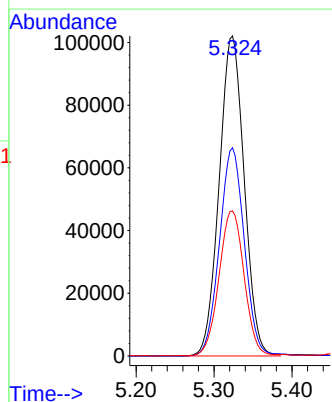
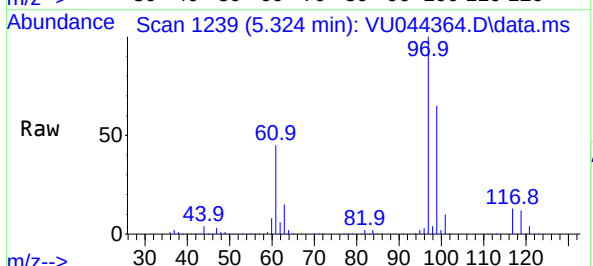
Manual Integrations  
APPROVED

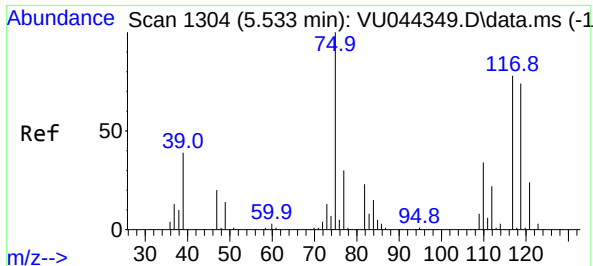
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#28  
1,1,1-Trichloroethane  
Concen: 10.499 ug/l  
RT: 5.324 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Tgt Ion: 97 Resp: 227765  
Ion Ratio Lower Upper  
97 100  
99 65.1 32.0 96.2  
61 45.6 23.8 71.5





#29  
1,1-Dichloropropene  
Concen: 10.372 ug/l  
RT: 5.533 min Scan# 110  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Instrument :

MSVOA\_U

ClientSampleId :

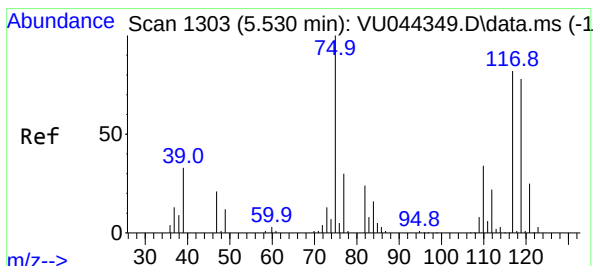
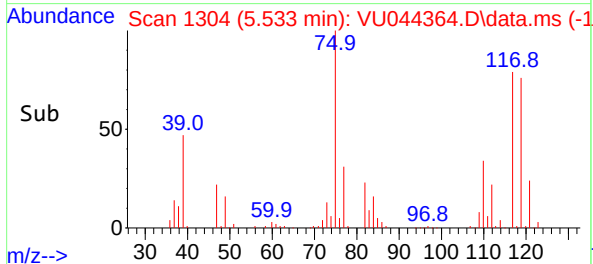
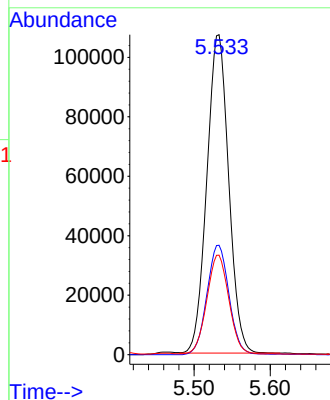
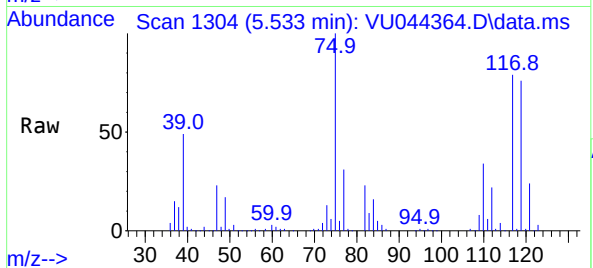
VSTDCCC010EC

Tgt Ion: 75 Resp: 21379  
Ion Ratio Lower Upper  
75 100  
110 34.8 17.3 51.9  
77 31.1 24.6 37.0

Manual Integrations

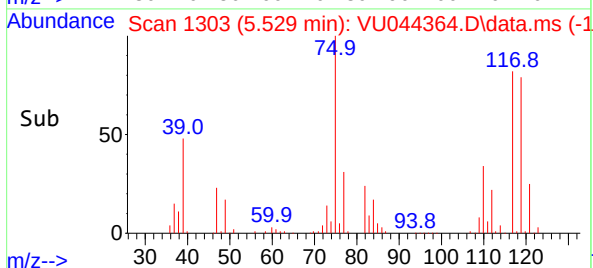
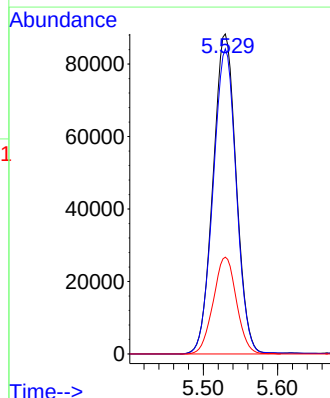
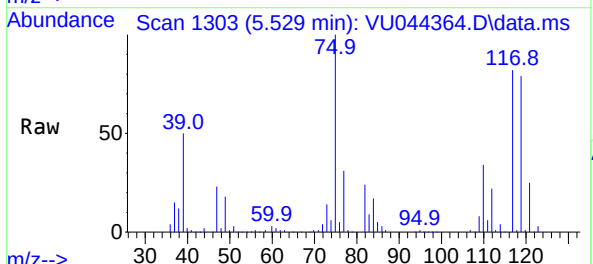
APPROVED

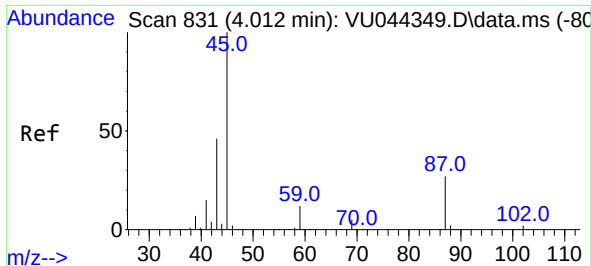
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#30  
Carbon Tetrachloride  
Concen: 10.587 ug/l  
RT: 5.529 min Scan# 1303  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

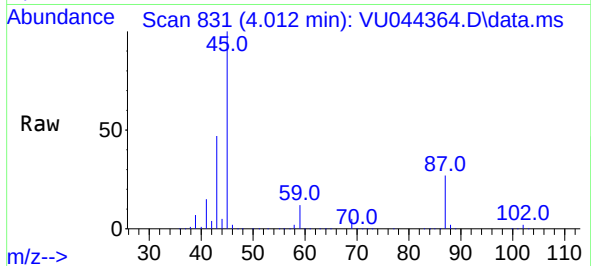
Tgt Ion:117 Resp: 191489  
Ion Ratio Lower Upper  
117 100  
119 95.4 77.0 115.6  
121 30.3 24.2 36.4





#31  
Isopropyl Ether  
Concen: 10.588 ug/l  
RT: 4.012 min Scan# 831  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

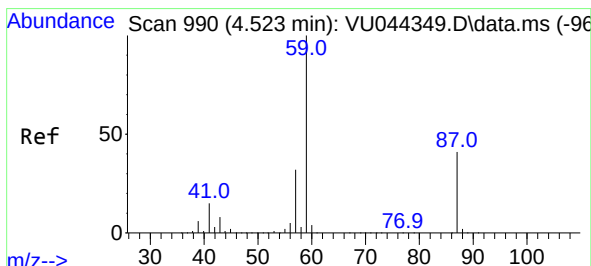
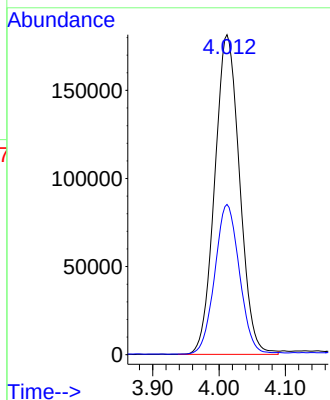
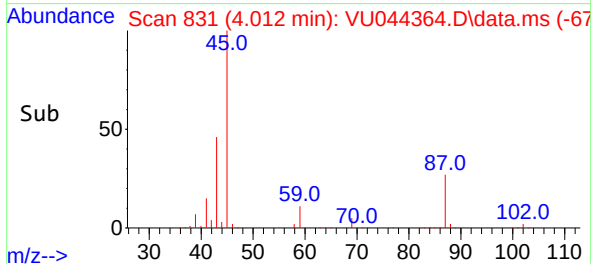
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



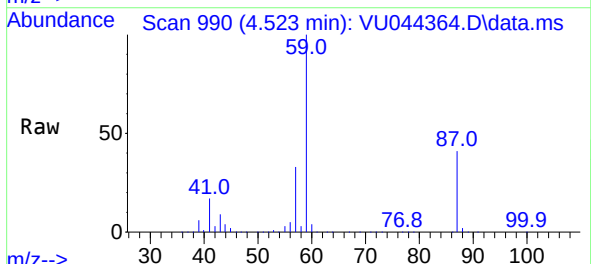
Tgt Ion: 45 Resp: 473419  
Ion Ratio Lower Upper  
45 100  
43 46.4 24.9 74.6

Manual Integrations  
APPROVED

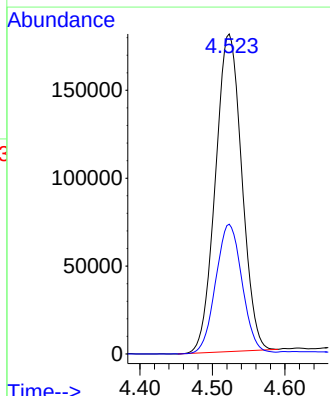
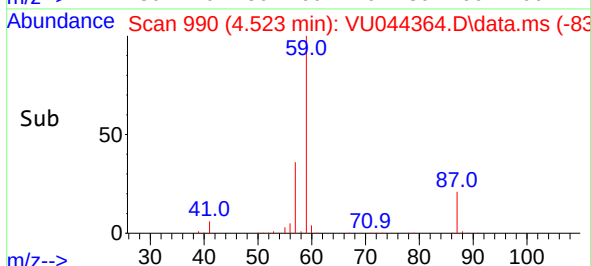
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

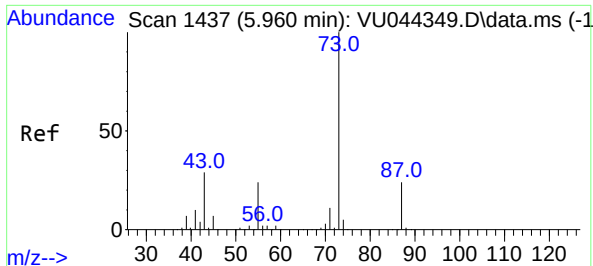


#32  
Ethyl-t-butyl ether  
Concen: 10.365 ug/l  
RT: 4.523 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



Tgt Ion: 59 Resp: 457004  
Ion Ratio Lower Upper  
59 100  
87 40.4 31.3 46.9





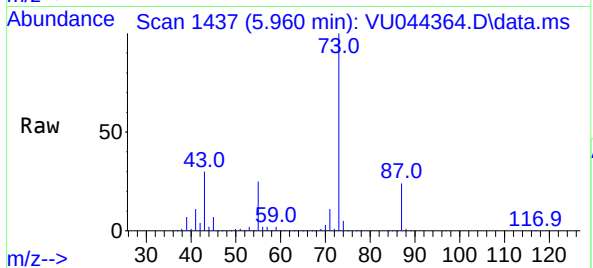
#33  
Tert-Amyl methyl ether  
Concen: 9.801 ug/l  
RT: 5.960 min Scan# 1437  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC



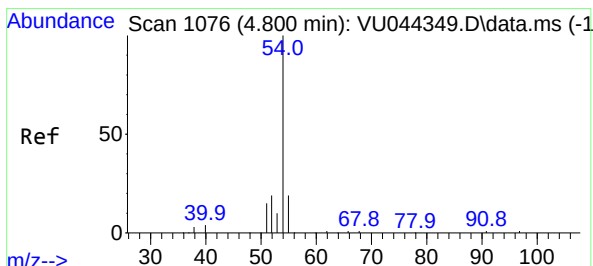
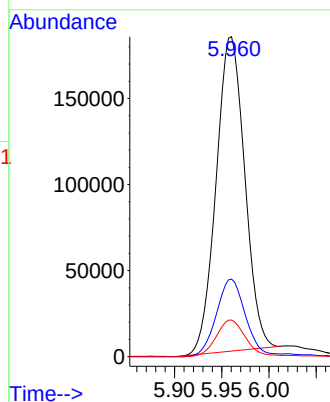
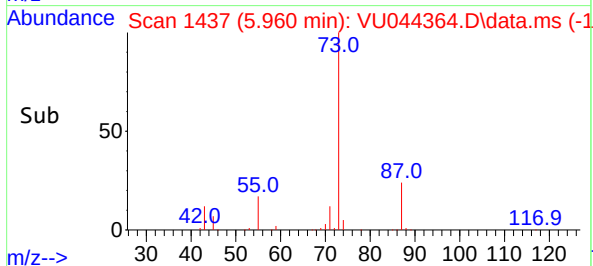
Tgt Ion: 73 Resp: 384290  
Ion Ratio Lower Upper  
73 100  
87 24.0 19.8 29.6  
71 12.4 9.1 13.7

Manual Integrations

APPROVED

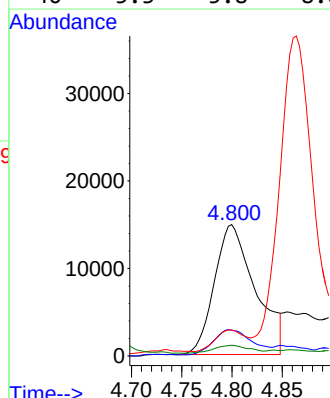
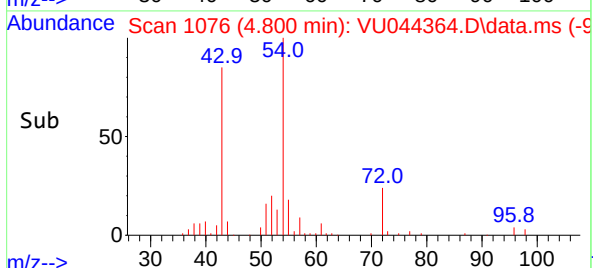
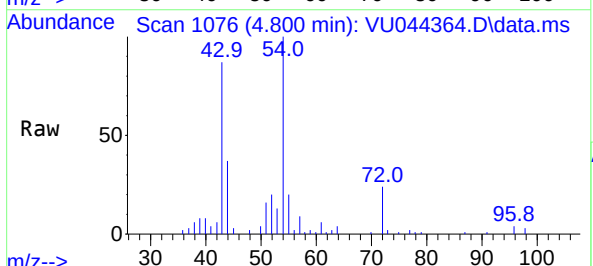
Reviewed By :John Carlone 07/23/2021

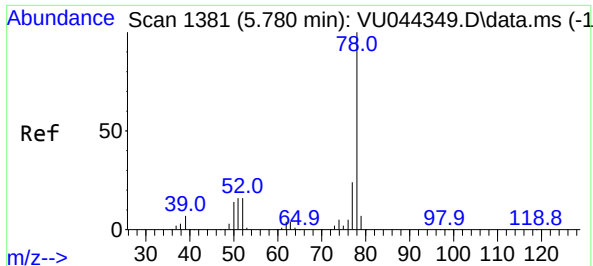
Supervised By :Mahesh Dadoda 07/23/2021



#34  
Propionitrile  
Concen: 46.801 ug/l  
RT: 4.800 min Scan# 1076  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

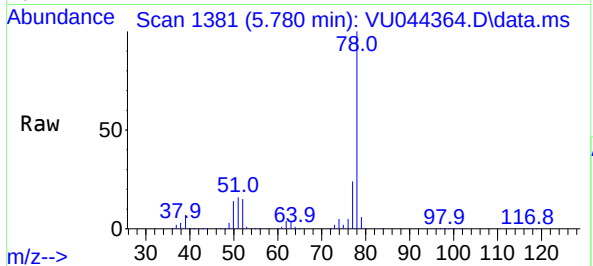
Tgt Ion: 54 Resp: 42013  
Ion Ratio Lower Upper  
54 100  
52 18.1 16.3 24.5  
55 12.2 10.7 16.1  
40 5.3 5.8 8.8#





#35  
Benzene  
Concen: 10.591 ug/l  
RT: 5.780 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

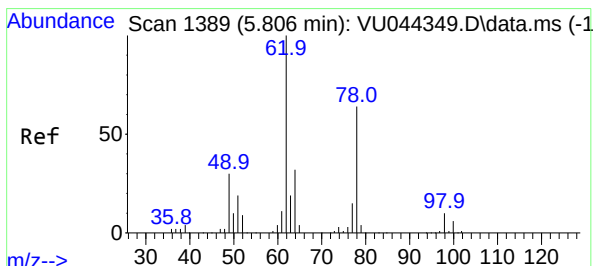
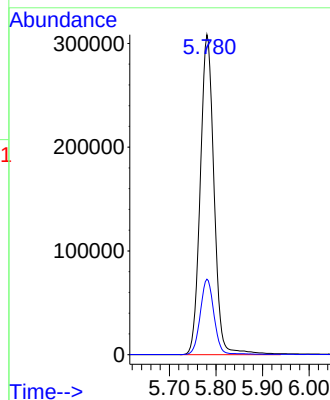
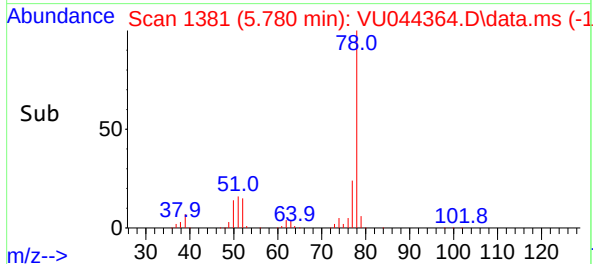
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



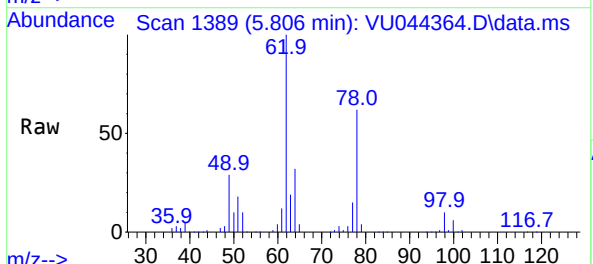
Tgt Ion: 78 Resp: 634472  
Ion Ratio Lower Upper  
78 100  
77 23.6 19.4 29.0

Manual Integrations  
APPROVED

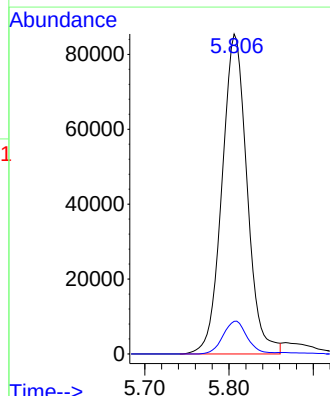
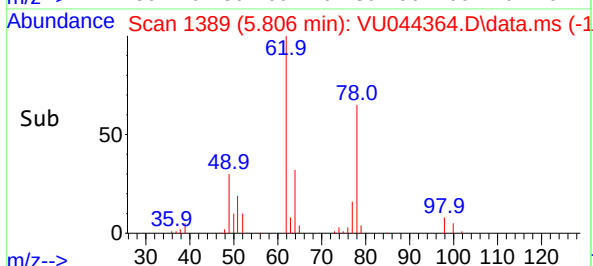
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

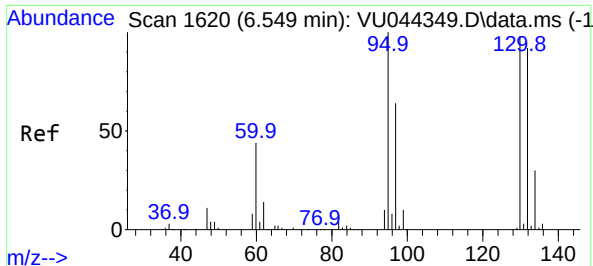


#36  
1,2-Dichloroethane  
Concen: 10.271 ug/l  
RT: 5.806 min Scan# 1389  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



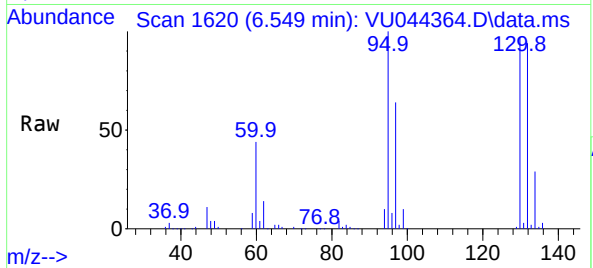
Tgt Ion: 62 Resp: 176563  
Ion Ratio Lower Upper  
62 100  
98 9.9 7.0 10.6





#37  
Trichloroethene  
Concen: 10.373 ug/l  
RT: 6.549 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

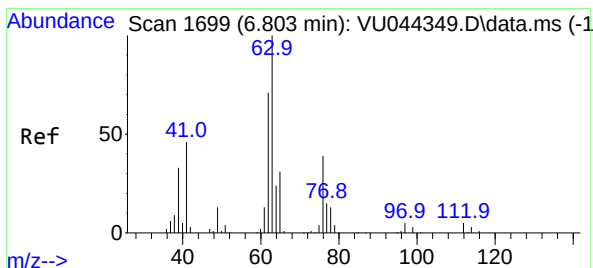
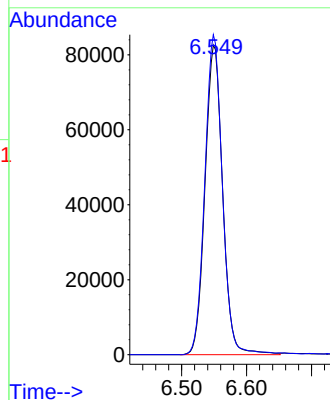
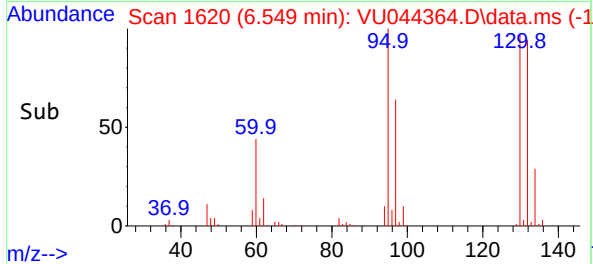
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



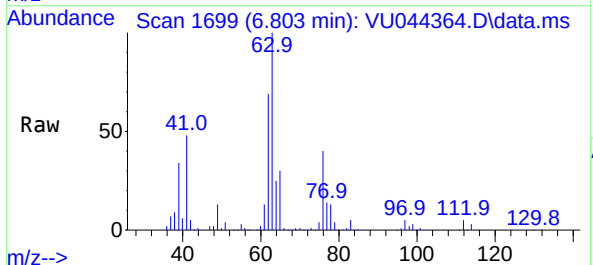
Tgt Ion:130 Resp: 15618  
Ion Ratio Lower Upper  
130 100  
95 103.3 77.8 116.6

Manual Integrations  
APPROVED

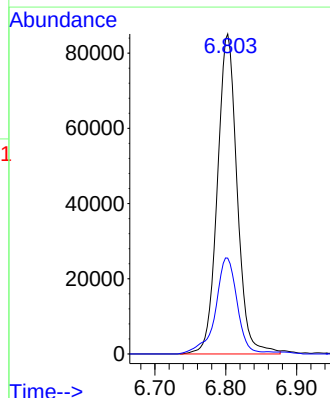
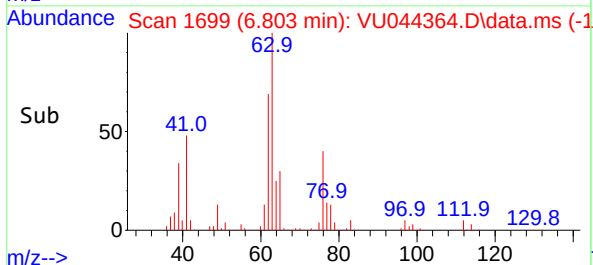
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

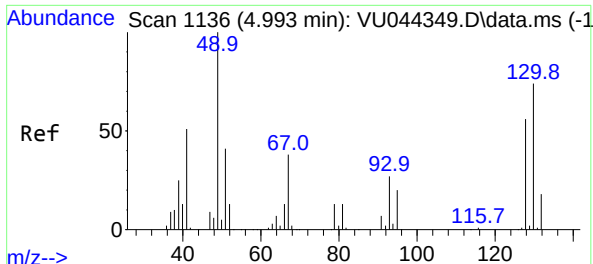


#38  
1,2-Dichloropropane  
Concen: 10.409 ug/l  
RT: 6.803 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



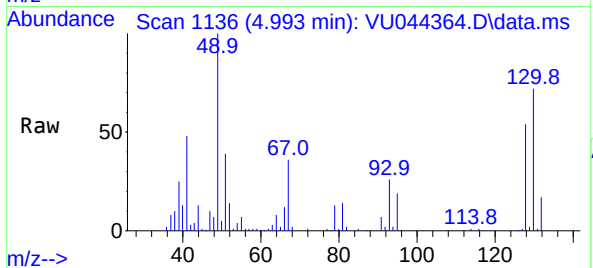
Tgt Ion: 63 Resp: 165043  
Ion Ratio Lower Upper  
63 100  
65 29.8 24.7 37.1





#39  
Methacrylonitrile  
Concen: 9.957 ug/l  
RT: 4.993 min Scan# 1136  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

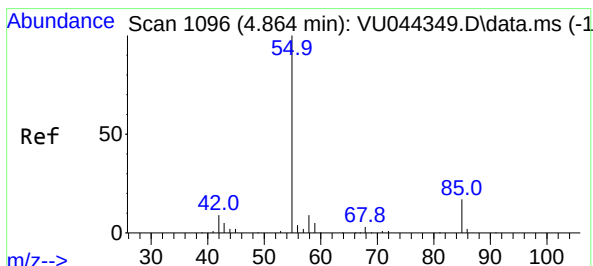
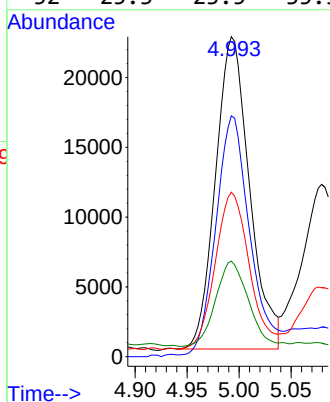
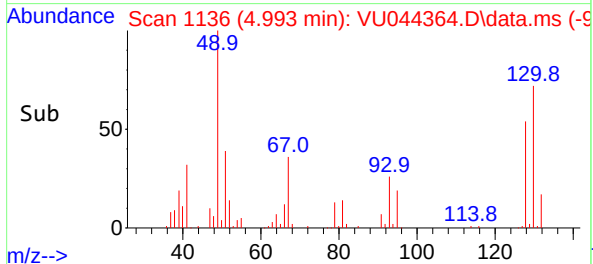
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



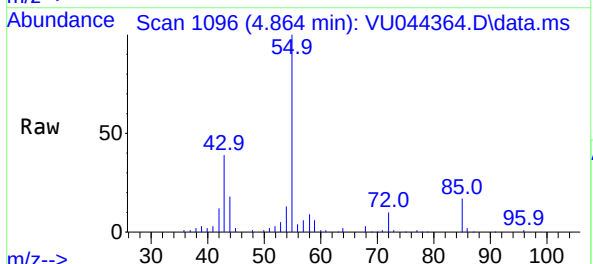
Tgt Ion: 41 Resp: 50950  
Ion Ratio Lower Upper  
41 100  
67 76.6 60.6 91.0  
39 50.7 43.9 65.9  
52 25.3 23.5 35.3

Manual Integrations  
APPROVED

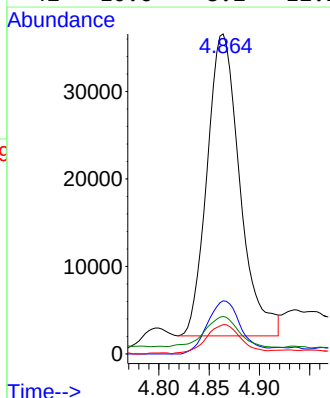
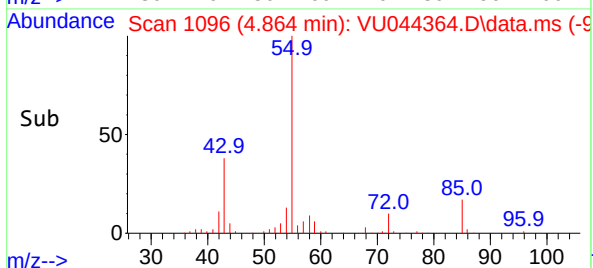
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

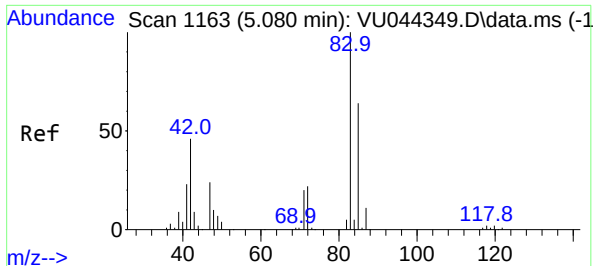


#40  
Methyl acrylate  
Concen: 9.817 ug/l  
RT: 4.864 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



Tgt Ion: 55 Resp: 78171  
Ion Ratio Lower Upper  
55 100  
85 18.2 14.6 21.8  
58 10.6 9.0 13.4  
42 10.6 8.2 12.2





#41

Tetrahydrofuran

Concen: 17.092 ug/l

RT: 5.076 min Scan# 1162

Delta R.T. -0.003 min

Lab File: VU044364.D

Acq: 19 Jul 2021 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 42 Resp: 41489

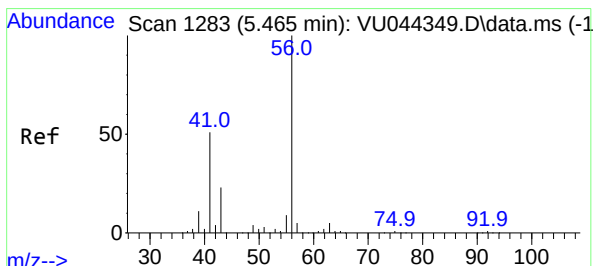
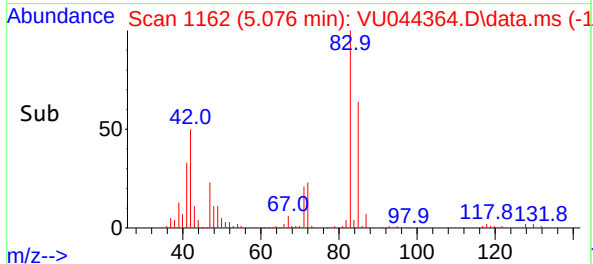
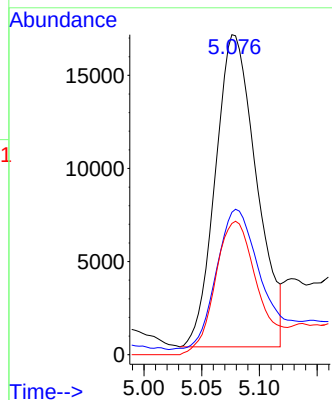
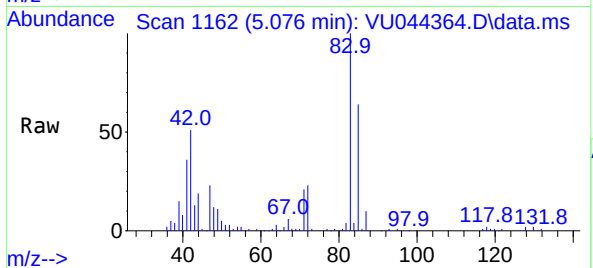
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 49.4  | 39.8  | 59.6  |
| 71  | 44.6  | 34.4  | 51.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/23/2021

Supervised By :Mahesh Dadoda 07/23/2021



#42

1-Chlorobutane

Concen: 10.310 ug/l

RT: 5.465 min Scan# 1283

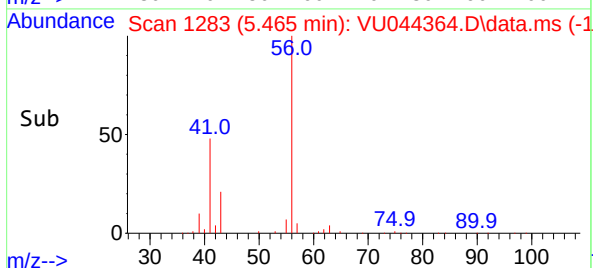
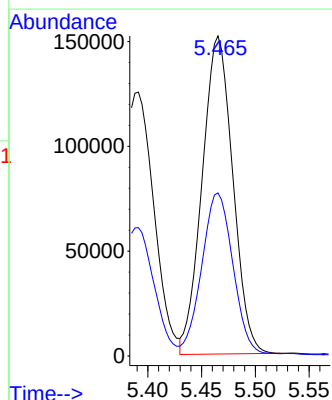
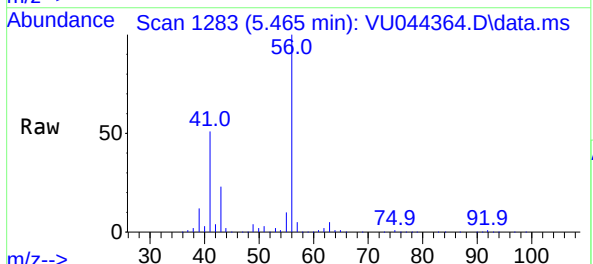
Delta R.T. -0.000 min

Lab File: VU044364.D

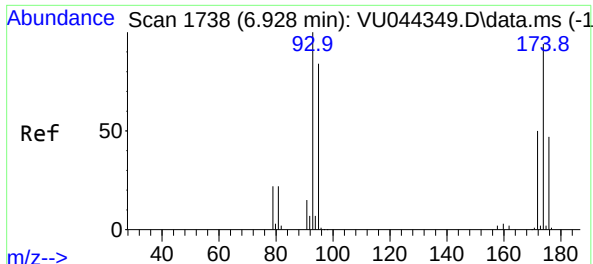
Acq: 19 Jul 2021 17:41

Tgt Ion: 56 Resp: 300347

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 41  | 51.2  | 27.4  | 82.0  |

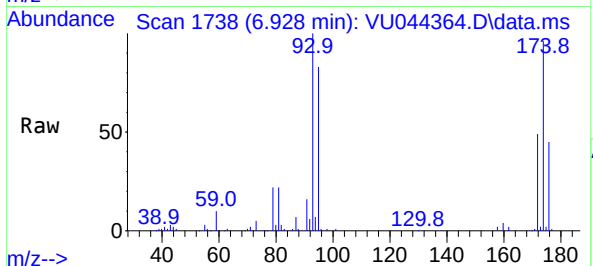






#43  
Dibromomethane  
Concen: 10.573 ug/l  
RT: 6.928 min Scan# 1738  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

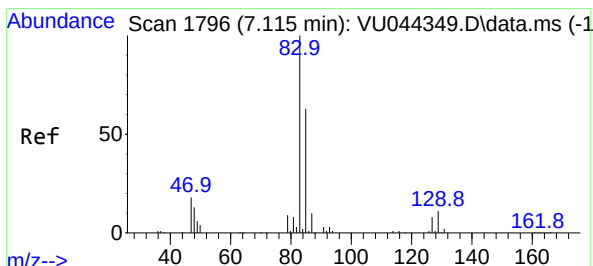
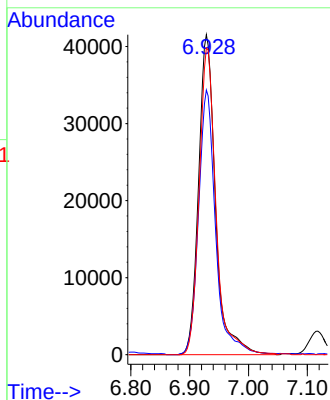
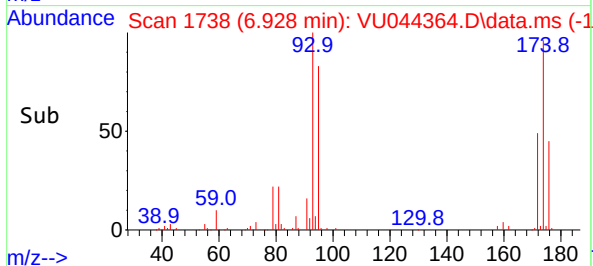
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



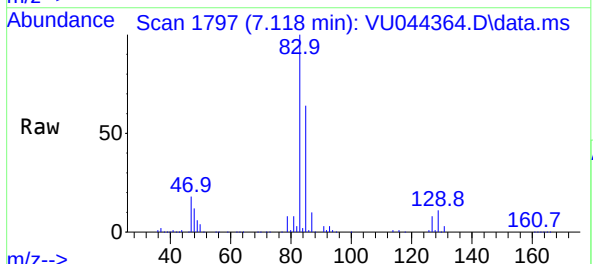
Tgt Ion: 93 Resp: 83149  
Ion Ratio Lower Upper  
93 100  
95 83.4 65.2 97.8  
174 95.5 78.2 117.4

Manual Integrations  
APPROVED

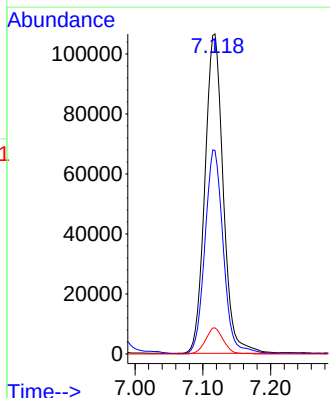
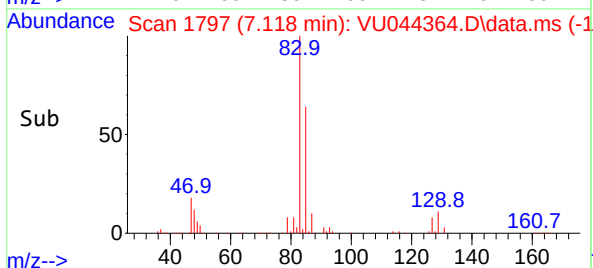
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

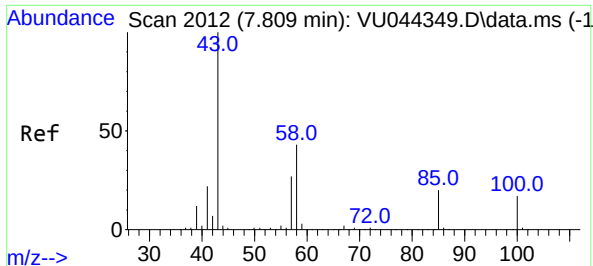


#44  
Bromodichloromethane  
Concen: 10.721 ug/l  
RT: 7.118 min Scan# 1797  
Delta R.T. 0.003 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



Tgt Ion: 83 Resp: 200014  
Ion Ratio Lower Upper  
83 100  
85 63.6 51.3 76.9  
127 8.2 7.3 10.9





#45

4-Methyl-2-Pentanone

Concen: 52.312 ug/l

RT: 7.809 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VU044364.D

Acq: 19 Jul 2021 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 55889

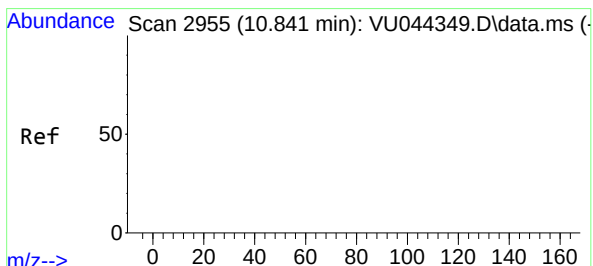
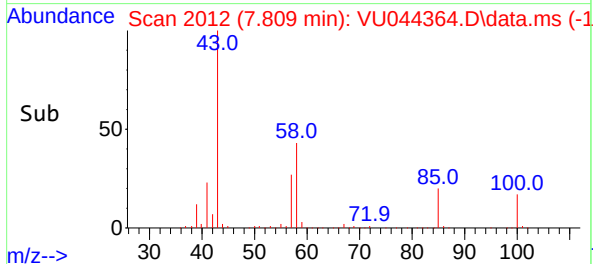
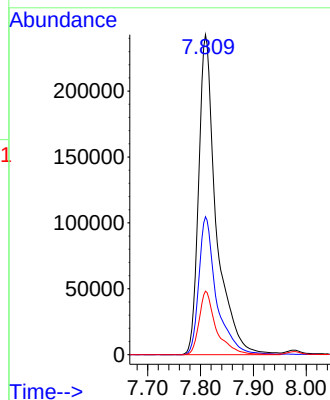
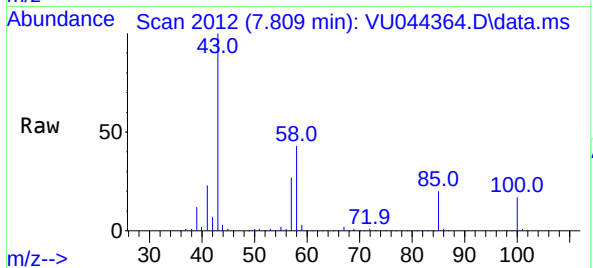
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 43.3  | 19.8  | 59.3  |
| 85  | 19.4  | 14.6  | 21.8  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/23/2021

Supervised By :Mahesh Dadoda 07/23/2021



#46

t-1,4-Dichloro-2-butene

Concen: 21.663 ug/l m

RT: 10.841 min Scan# 2955

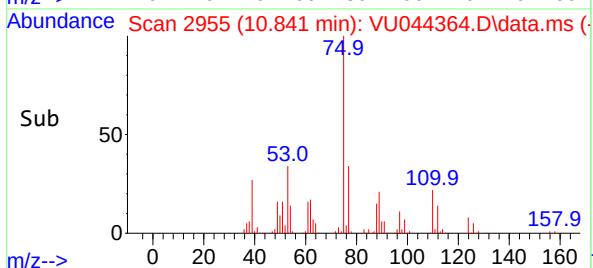
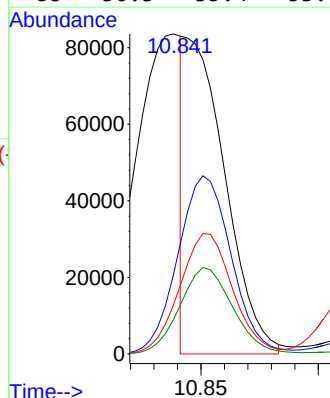
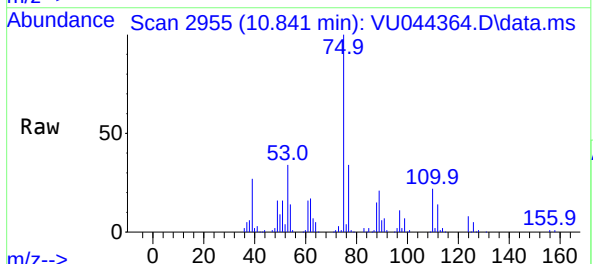
Delta R.T. -0.000 min

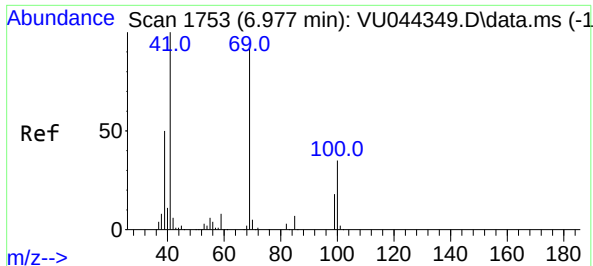
Lab File: VU044364.D

Acq: 19 Jul 2021 17:41

Tgt Ion: 75 Resp: 98070

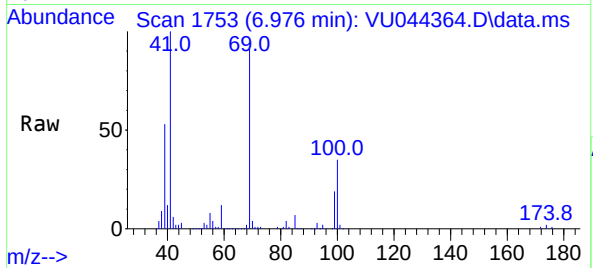
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 53  | 75.3  | 63.7  | 95.5  |
| 89  | 50.9  | 44.6  | 67.0  |
| 88  | 36.3  | 35.4  | 53.0  |





#47  
Methyl methacrylate  
Concen: 20.726 ug/l  
RT: 6.976 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

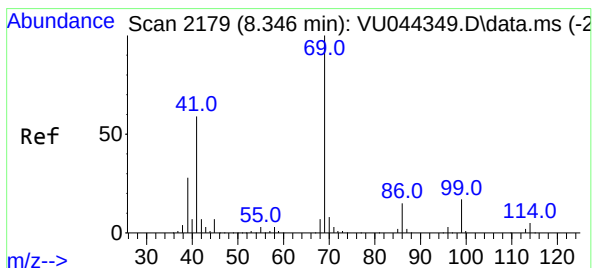
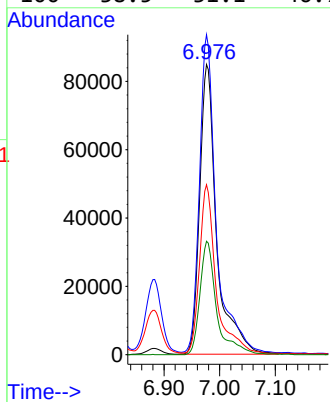
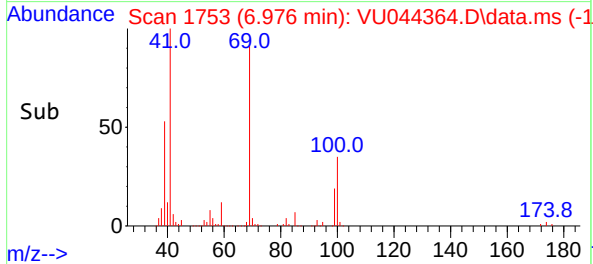
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



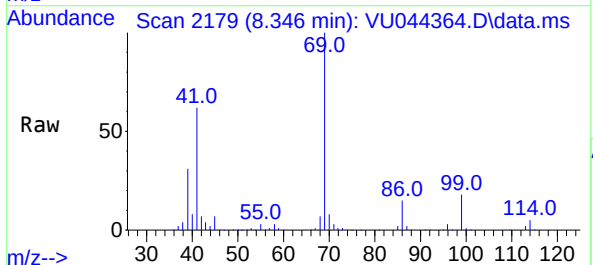
Tgt Ion: 69 Resp: 180180  
Ion Ratio Lower Upper  
69 100  
41 108.2 0.0 232.2  
39 57.0 57.5 86.3  
100 38.5 31.1 46.7

Manual Integrations  
APPROVED

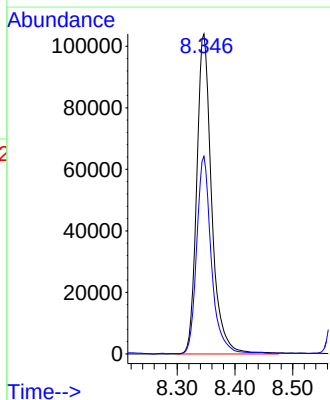
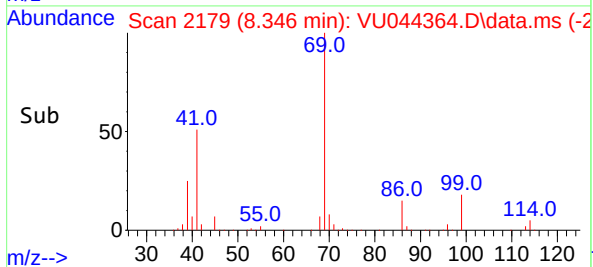
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

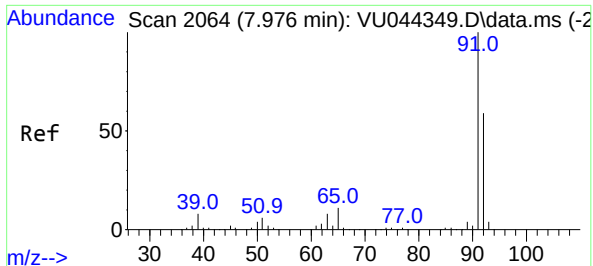


#48  
Ethyl methacrylate  
Concen: 10.394 ug/l  
RT: 8.346 min Scan# 2179  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



Tgt Ion: 69 Resp: 186595  
Ion Ratio Lower Upper  
69 100  
41 60.5 33.1 99.5





#49

Toluene

Concen: 10.545 ug/l

RT: 7.976 min Scan# 2064

Delta R.T. -0.000 min

Lab File: VU044364.D

Acq: 19 Jul 2021 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 92 Resp: 397330

Ion Ratio Lower Upper

92 100

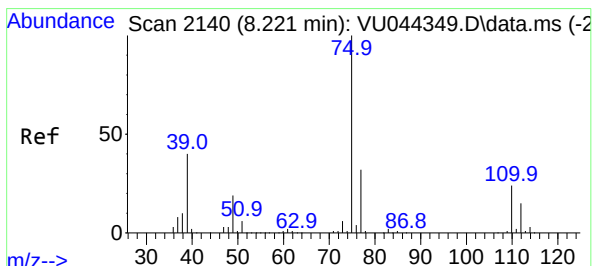
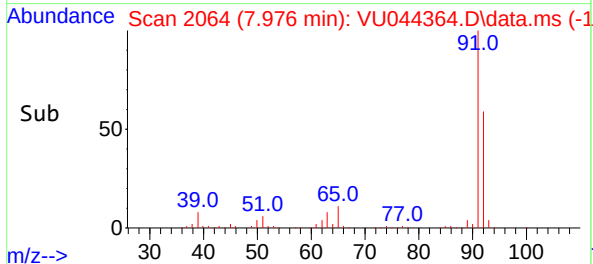
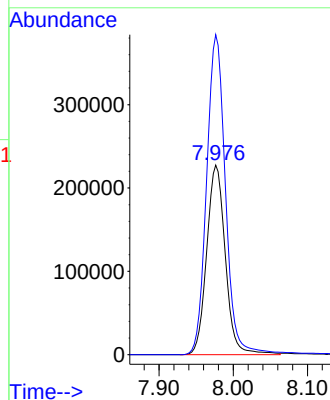
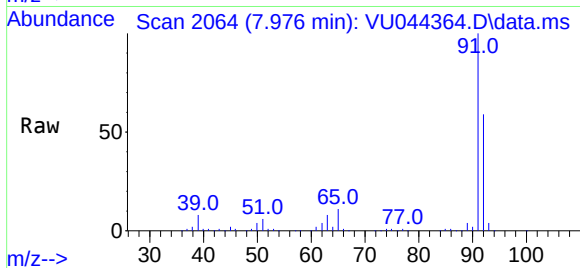
91 172.7 137.0 205.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/23/2021

Supervised By :Mahesh Dadoda 07/23/2021



#50

t-1,3-Dichloropropene

Concen: 10.799 ug/l

RT: 8.221 min Scan# 2140

Delta R.T. -0.000 min

Lab File: VU044364.D

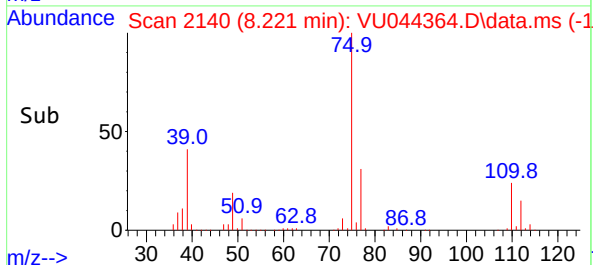
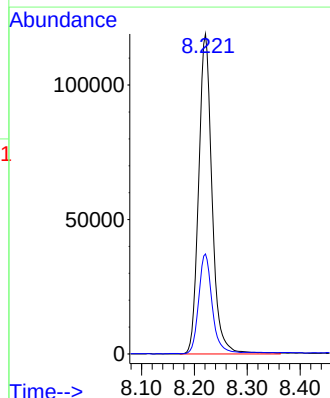
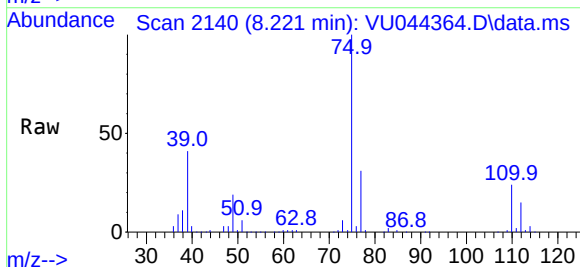
Acq: 19 Jul 2021 17:41

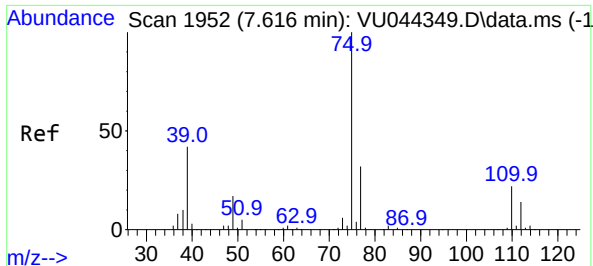
Tgt Ion: 75 Resp: 209227

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2





#51  
cis-1,3-Dichloropropene  
Concen: 10.674 ug/l  
RT: 7.616 min Scan# 1952  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Instrument :

MSVOA\_U

ClientSampleId :

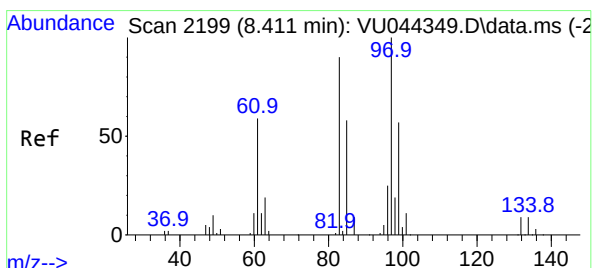
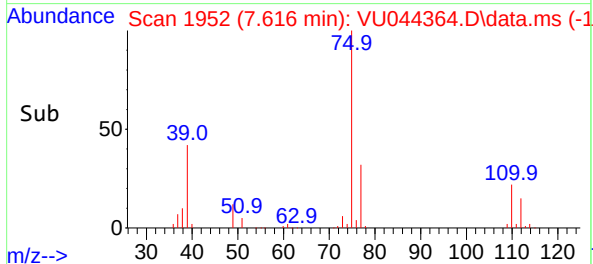
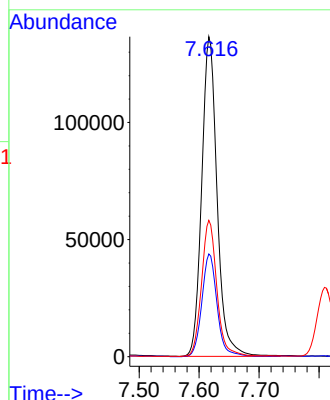
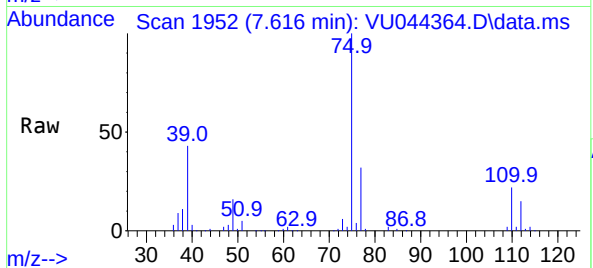
VSTDCCC010EC

Tgt Ion: 75 Resp: 243974  
Ion Ratio Lower Upper  
75 100  
77 32.2 24.3 36.5  
39 42.6 38.5 57.7

Manual Integrations

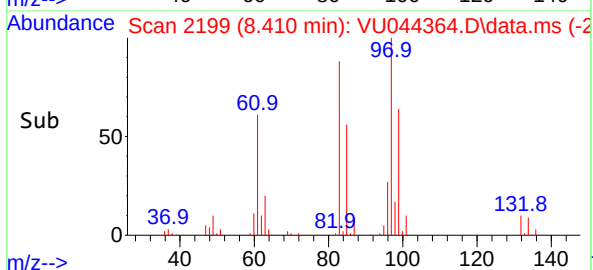
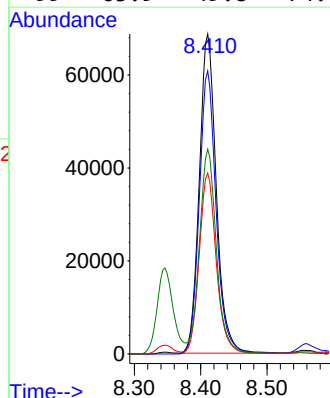
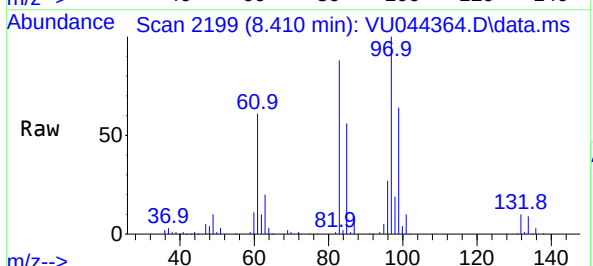
APPROVED

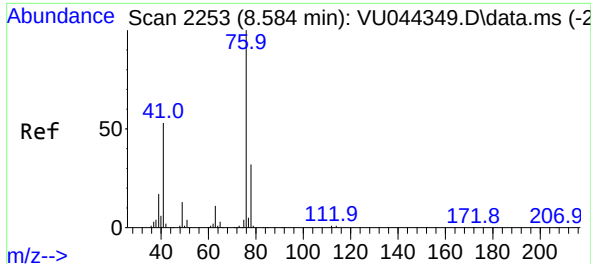
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#52  
1,1,2-Trichloroethane  
Concen: 10.526 ug/l  
RT: 8.410 min Scan# 2199  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

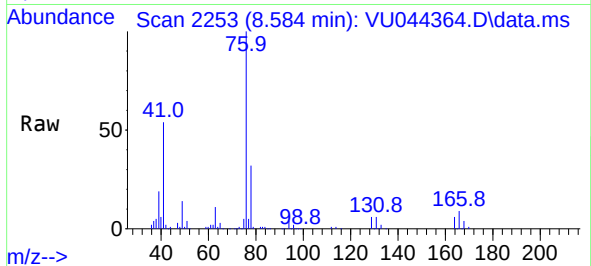
Tgt Ion: 97 Resp: 121959  
Ion Ratio Lower Upper  
97 100  
83 88.7 68.2 102.2  
85 56.3 44.0 66.0  
99 63.9 49.8 74.8





#53  
1,3-Dichloropropane  
Concen: 10.494 ug/l  
RT: 8.584 min Scan# 2253  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

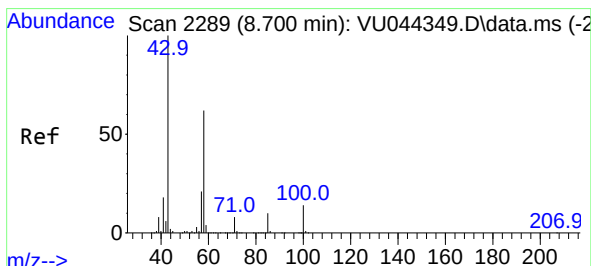
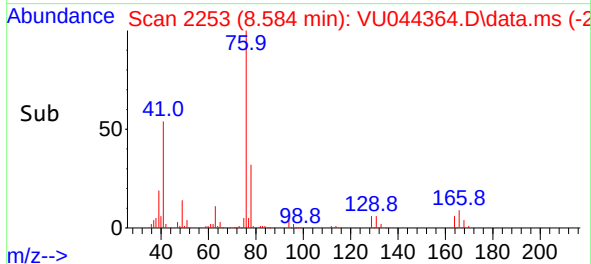
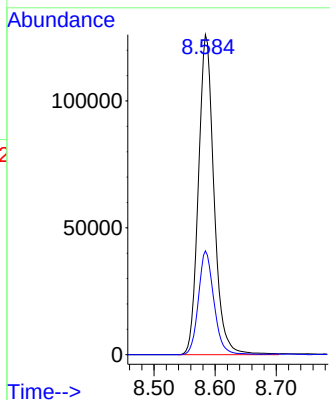
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 76 Resp: 22334  
Ion Ratio Lower Upper  
76 100  
78 32.3 25.9 38.9

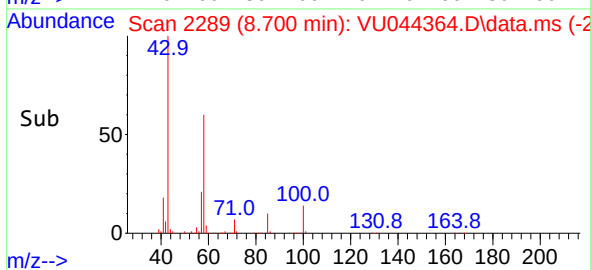
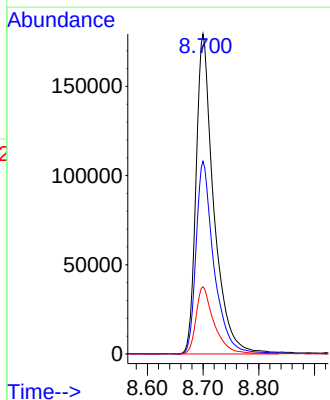
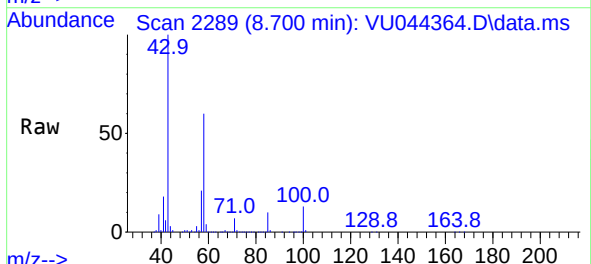
Manual Integrations  
APPROVED

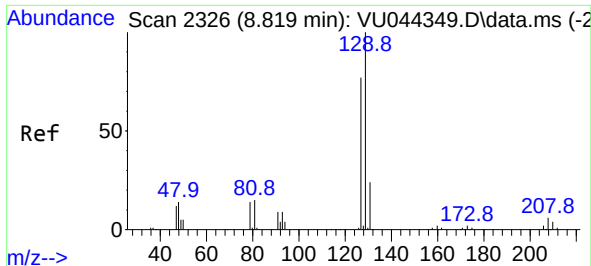
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#54  
2-Hexanone  
Concen: 52.261 ug/l  
RT: 8.700 min Scan# 2289  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

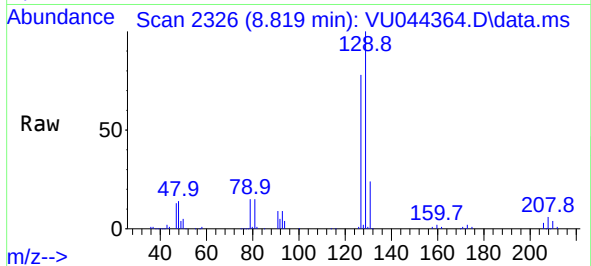
Tgt Ion: 43 Resp: 397170  
Ion Ratio Lower Upper  
43 100  
58 60.8 34.4 74.4  
57 21.4 0.0 39.5





#55  
Dibromochloromethane  
Concen: 10.626 ug/l  
RT: 8.819 min Scan# 2326  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

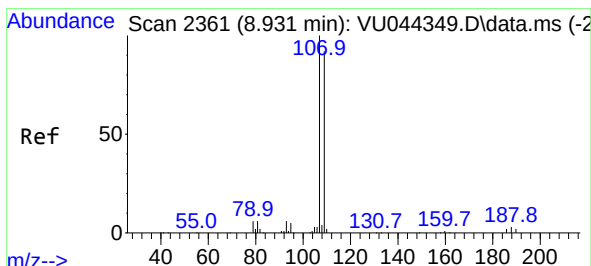
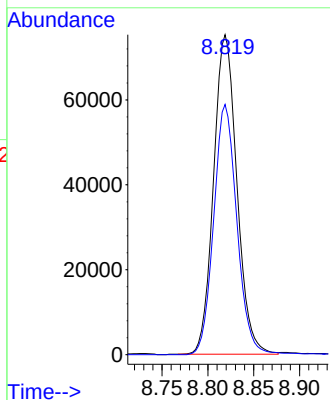
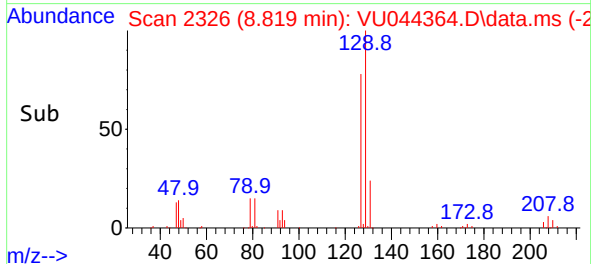
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



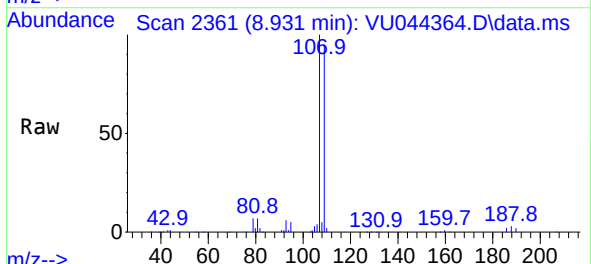
Tgt Ion:129 Resp: 13330  
Ion Ratio Lower Upper  
129 100  
127 78.1 61.8 92.8

Manual Integrations  
APPROVED

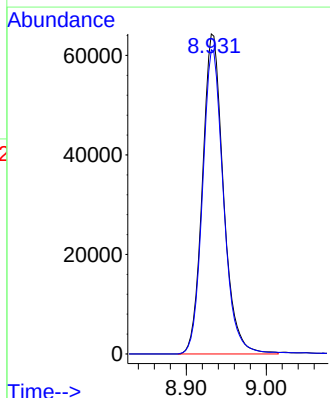
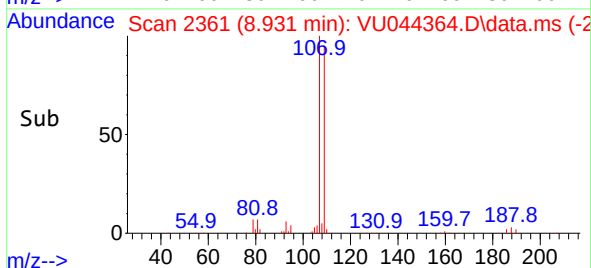
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

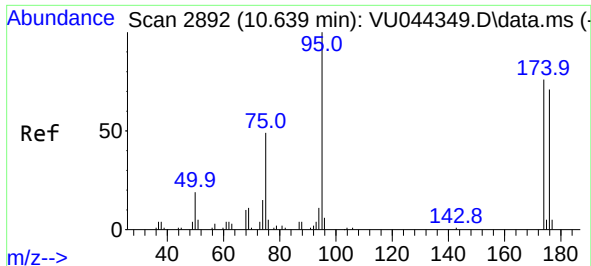


#56  
1,2-Dibromoethane  
Concen: 10.378 ug/l  
RT: 8.931 min Scan# 2361  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



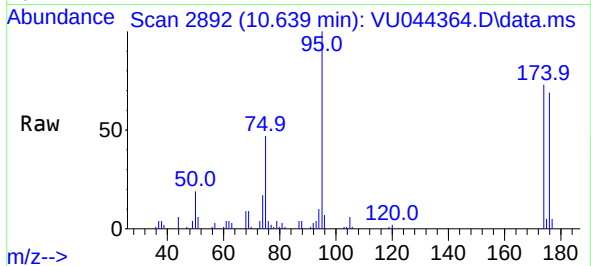
Tgt Ion:107 Resp: 117540  
Ion Ratio Lower Upper  
107 100  
109 94.5 0.0 189.0





#57  
4-Bromofluorobenzene  
Concen: 1.024 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

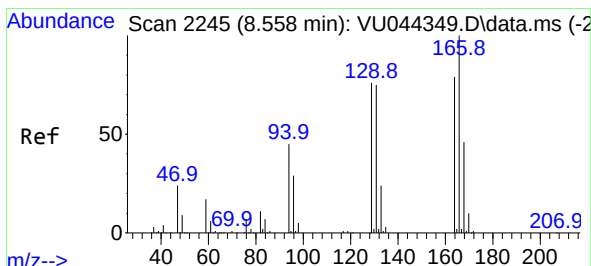
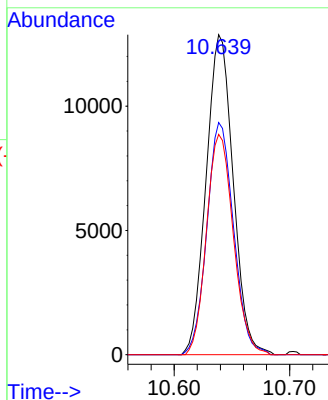
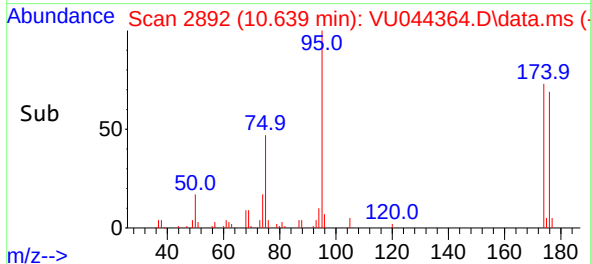
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 95 Resp: 20936  
Ion Ratio Lower Upper  
95 100  
174 71.6 62.2 93.2  
176 68.5 60.3 90.5

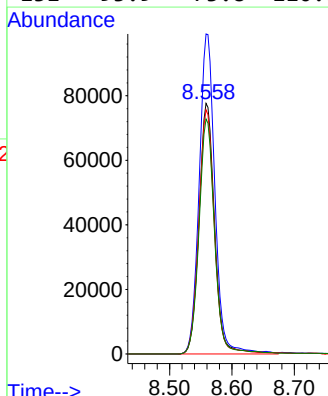
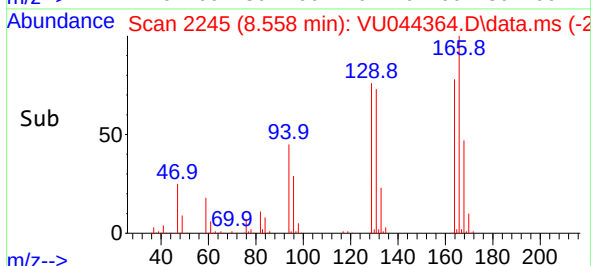
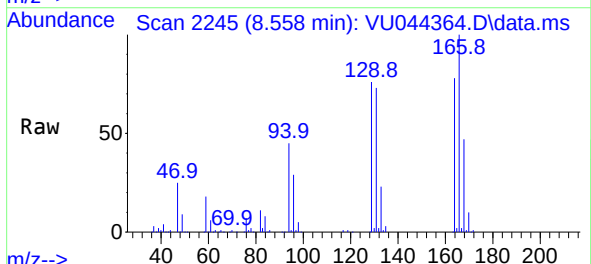
Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

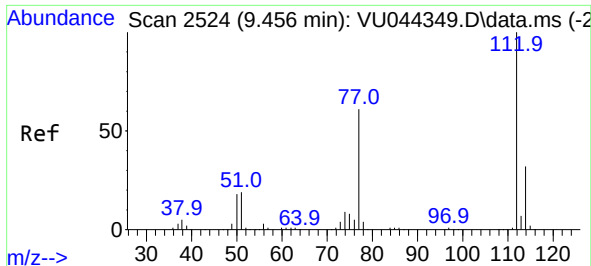


#58  
Tetrachloroethene  
Concen: 10.591 ug/l  
RT: 8.558 min Scan# 2245  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Tgt Ion:164 Resp: 135356  
Ion Ratio Lower Upper  
164 100  
166 127.7 100.2 150.4  
129 97.5 76.3 114.5  
131 93.9 73.8 110.8







#59

Chlorobenzene

Concen: 10.555 ug/l

RT: 9.455 min Scan# 2524

Delta R.T. -0.000 min

Lab File: VU044364.D

Acq: 19 Jul 2021 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion:112 Resp: 42050

Ion Ratio Lower Upper

112 100

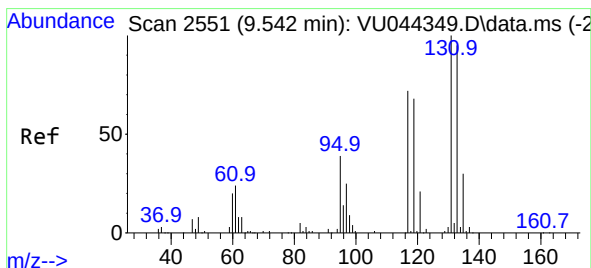
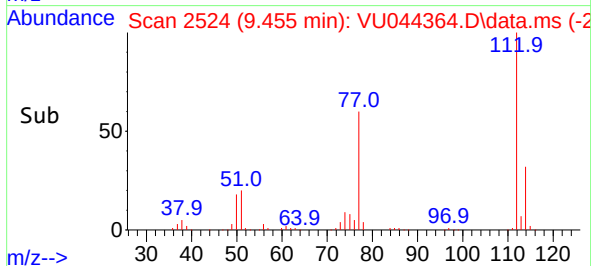
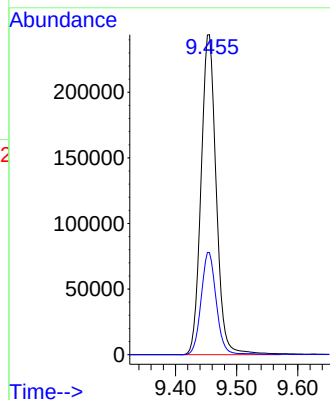
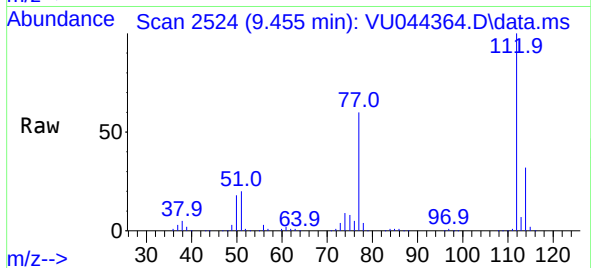
114 31.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/23/2021

Supervised By :Mahesh Dadoda 07/23/2021



#60

1,1,1,2-Tetrachloroethane

Concen: 10.755 ug/l

RT: 9.542 min Scan# 2551

Delta R.T. -0.000 min

Lab File: VU044364.D

Acq: 19 Jul 2021 17:41

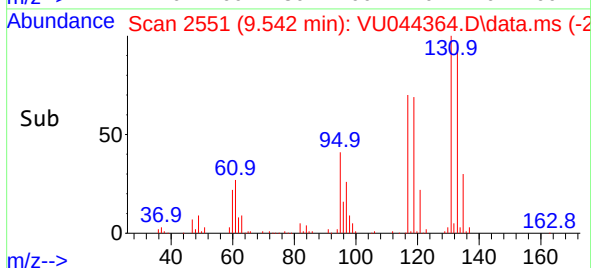
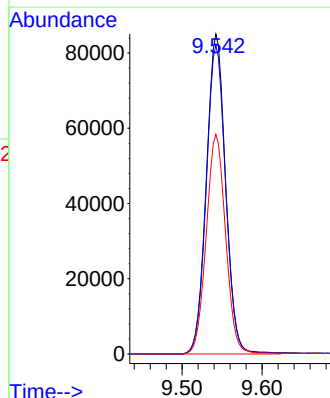
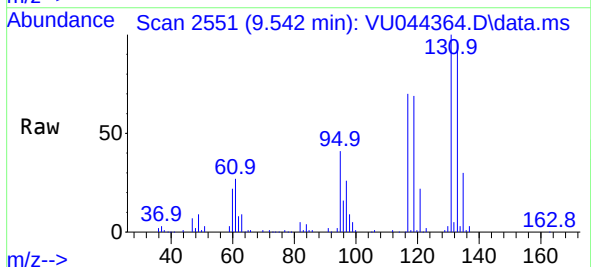
Tgt Ion:131 Resp: 142785

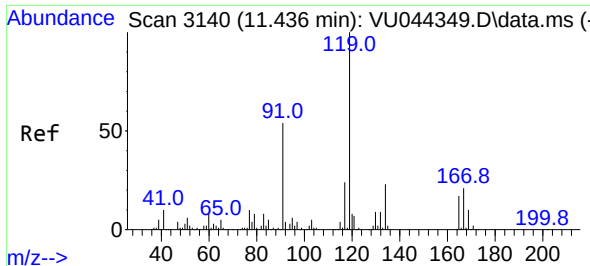
Ion Ratio Lower Upper

131 100

133 96.5 77.3 115.9

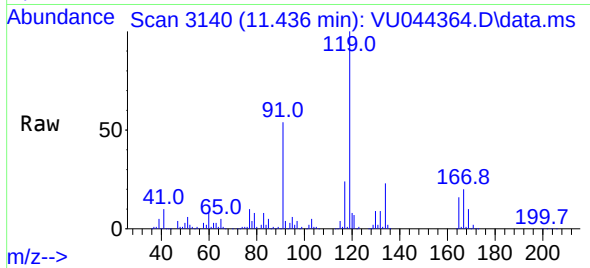
119 68.7 52.8 79.2





#61  
Pentachloroethane  
Concen: 10.677 ug/l  
RT: 11.436 min Scan# 3140  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

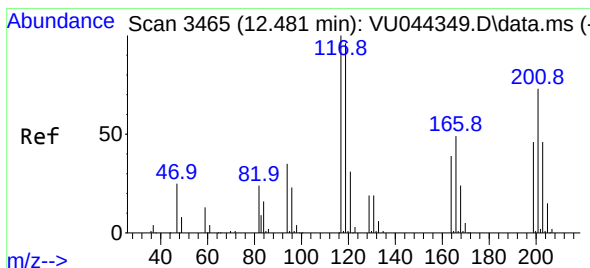
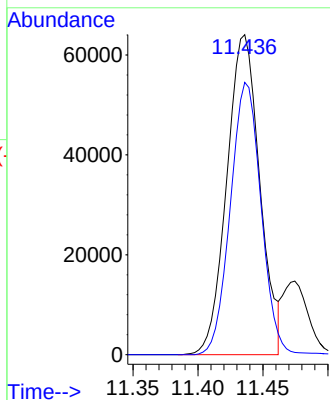
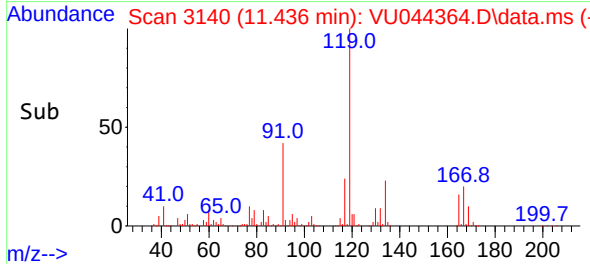
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



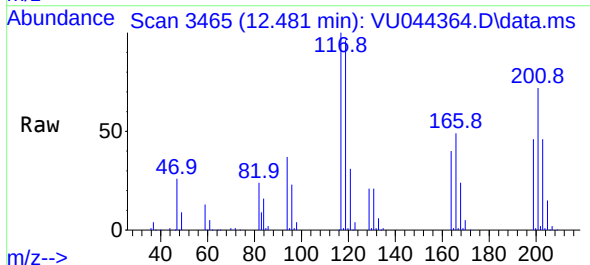
Tgt Ion:117 Resp: 113270  
Ion Ratio Lower Upper  
117 100  
167 79.3 66.7 100.1

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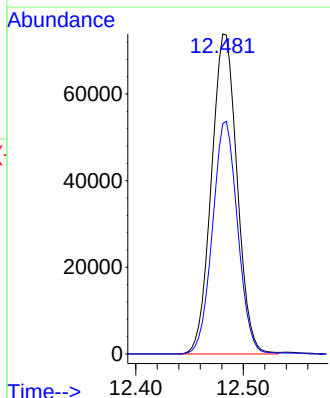
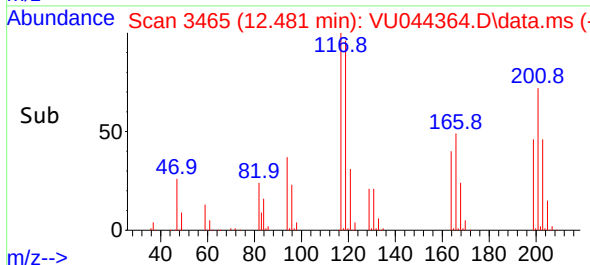
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

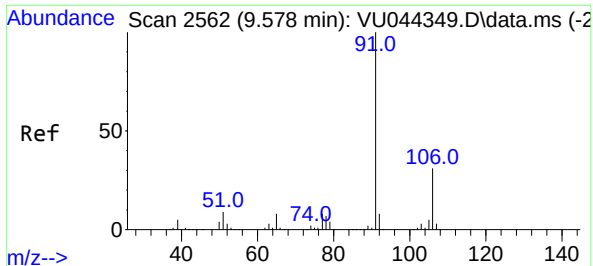


#62  
Hexachloroethane  
Concen: 11.063 ug/l  
RT: 12.481 min Scan# 3465  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



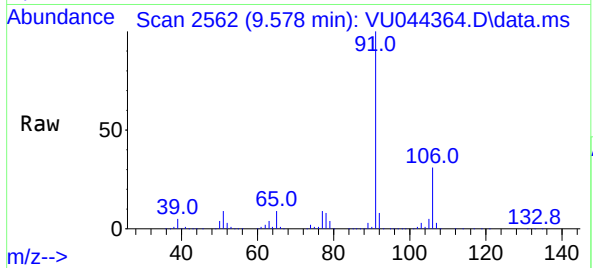
Tgt Ion:117 Resp: 122511  
Ion Ratio Lower Upper  
117 100  
201 71.4 58.0 87.0





#63  
Ethyl Benzene  
Concen: 10.715 ug/l  
RT: 9.578 min Scan# 2562  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

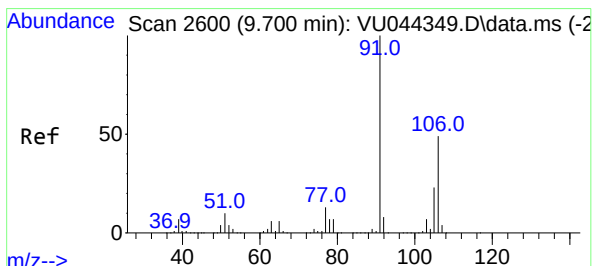
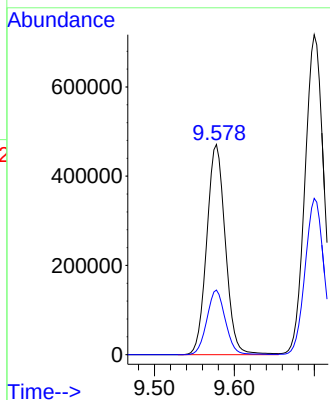
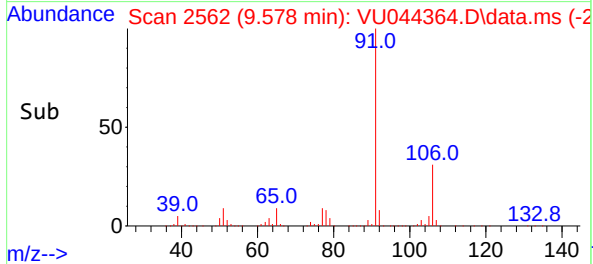
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



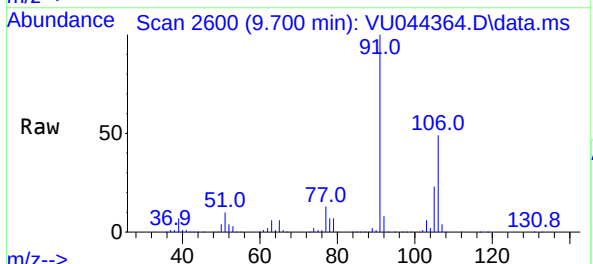
Tgt Ion: 91 Resp: 76303  
Ion Ratio Lower Upper  
91 100  
106 30.8 24.6 37.0

Manual Integrations  
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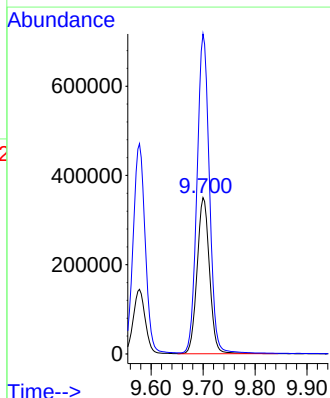
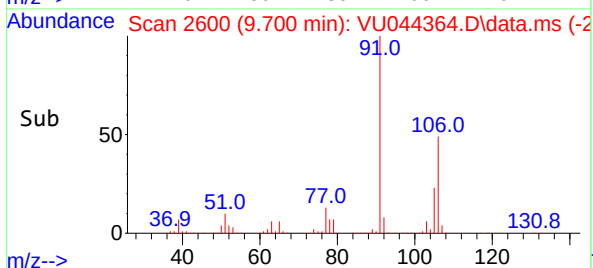
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

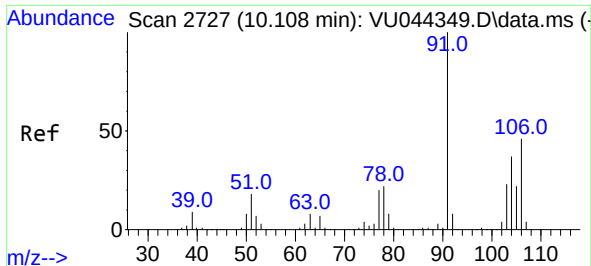


#64  
m/p-Xylenes  
Concen: 21.332 ug/l  
RT: 9.700 min Scan# 2600  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



Tgt Ion:106 Resp: 580481  
Ion Ratio Lower Upper  
106 100  
91 203.2 162.5 243.7





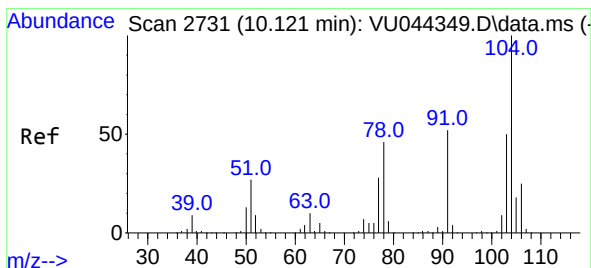
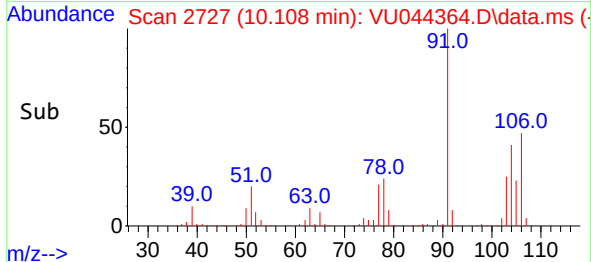
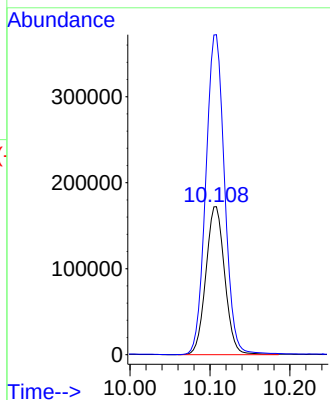
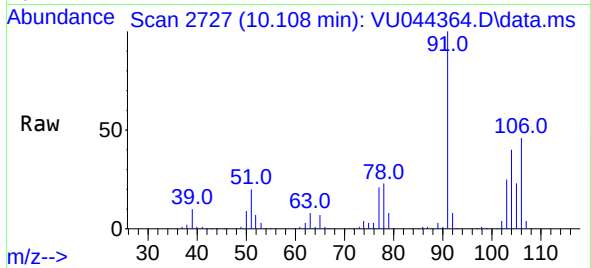
#65  
o-Xylene  
Concen: 10.763 ug/l  
RT: 10.108 min Scan# 2727  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion:106 Resp: 282639  
Ion Ratio Lower Upper  
106 100  
91 216.5 108.2 324.6

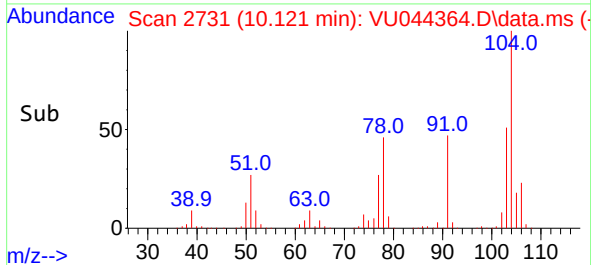
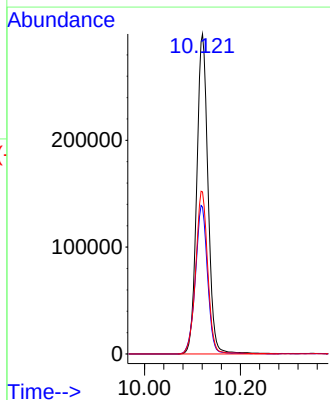
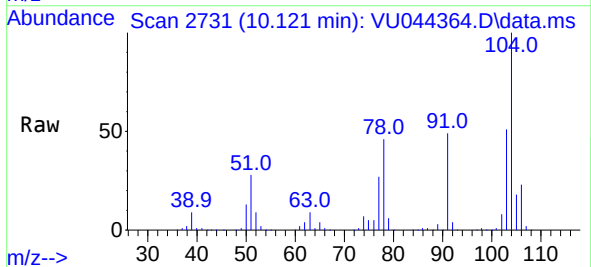
Manual Integrations  
APPROVED

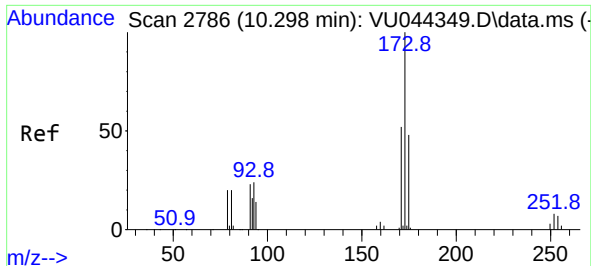
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#66  
Styrene  
Concen: 10.837 ug/l  
RT: 10.121 min Scan# 2731  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

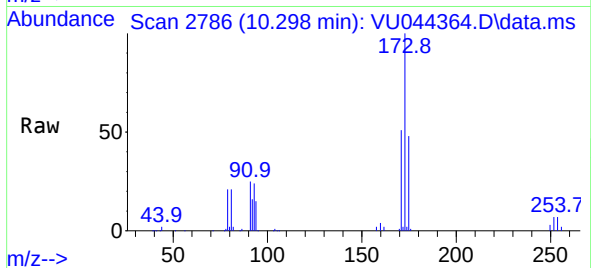
Tgt Ion:104 Resp: 490339  
Ion Ratio Lower Upper  
104 100  
78 49.3 41.6 62.4  
103 54.2 43.3 64.9





#67  
Bromoform  
Concen: 10.859 ug/l  
RT: 10.298 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

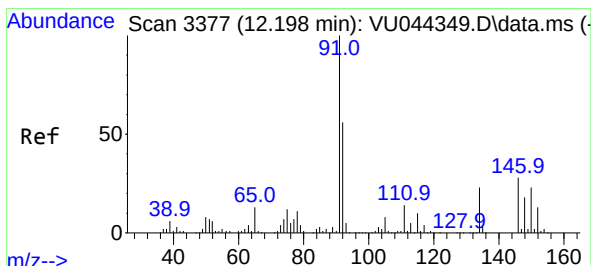
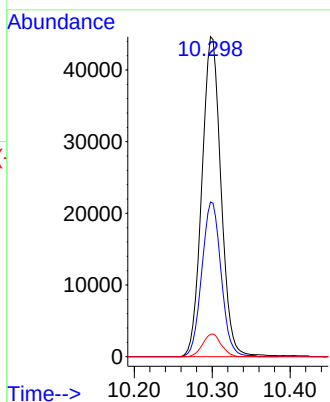
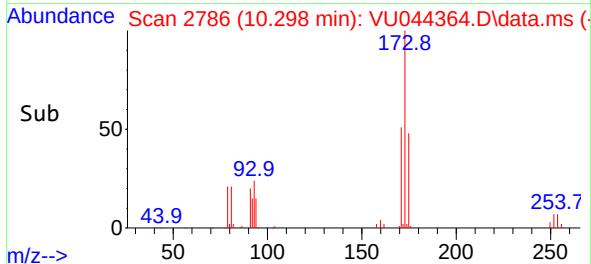
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



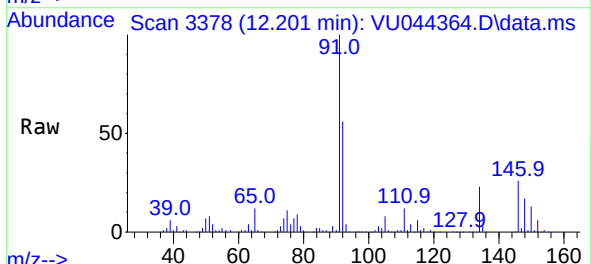
Tgt Ion:173 Resp: 7624  
Ion Ratio Lower Upper  
173 100  
175 48.7 38.3 57.5  
254 6.9 5.8 8.6

Manual Integrations  
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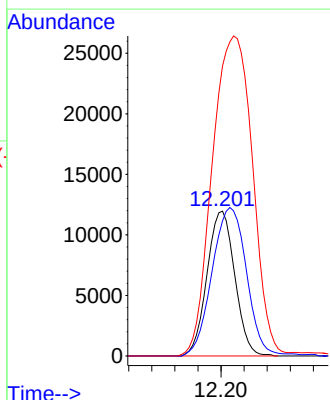
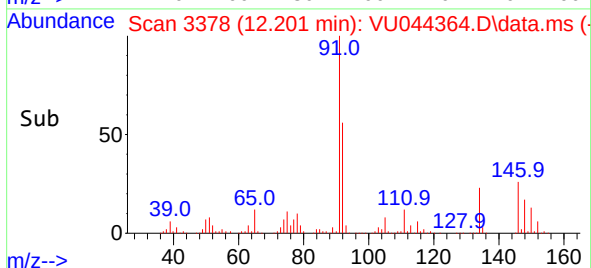
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

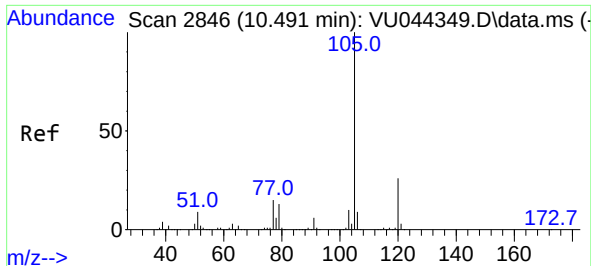


#68  
1,2-Dichlorobenzene-d4  
Concen: 1.002 ug/l  
RT: 12.201 min Scan# 3378  
Delta R.T. 0.003 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



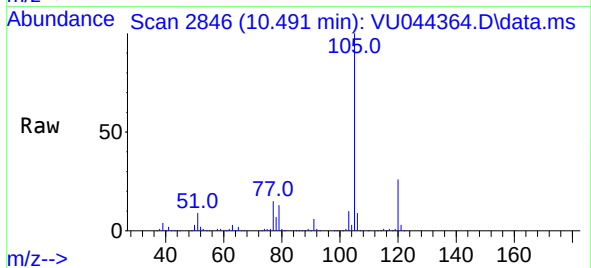
Tgt Ion:152 Resp: 19981  
Ion Ratio Lower Upper  
152 100  
115 127.6 0.0 257.0  
150 323.0 0.0 630.2





#69  
Isopropylbenzene  
Concen: 10.682 ug/l  
RT: 10.491 min Scan# 2846  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

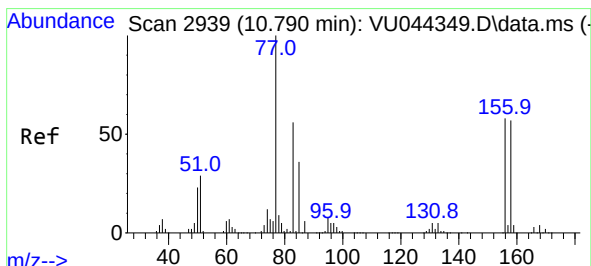
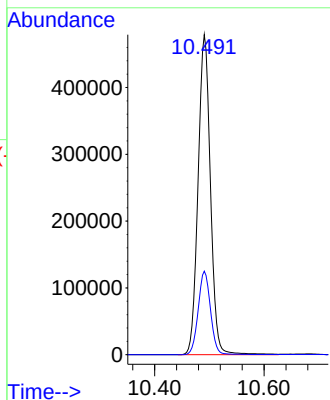
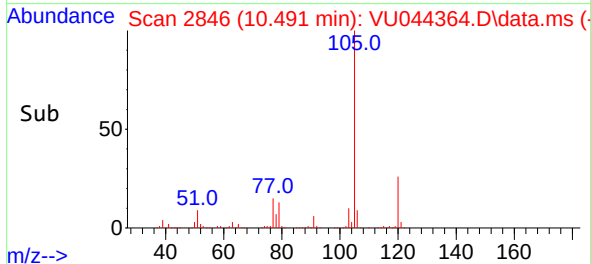
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



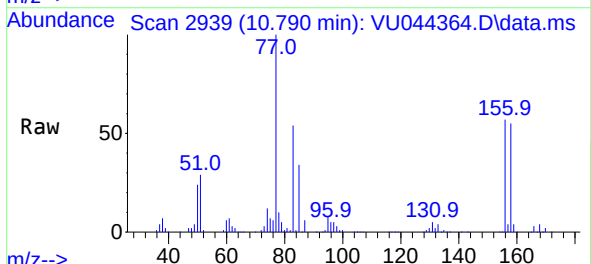
Tgt Ion:105 Resp: 75035  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.1 39.3

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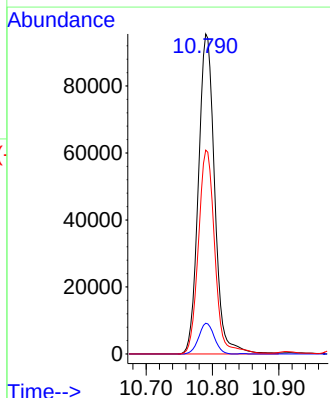
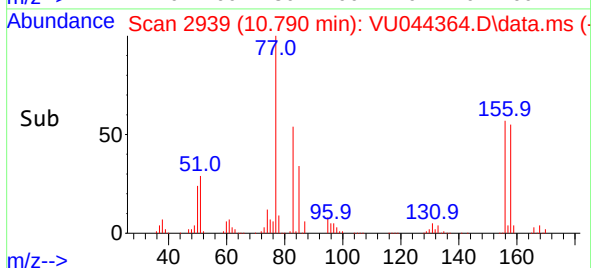
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

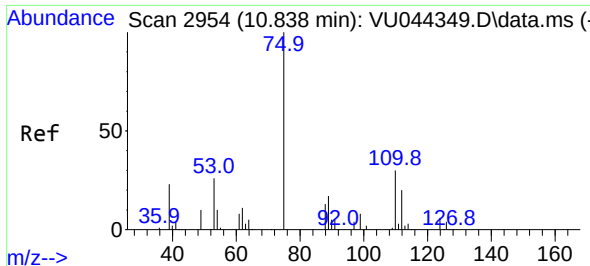


#70  
1,1,2,2-Tetrachloroethane  
Concen: 10.631 ug/l  
RT: 10.790 min Scan# 2939  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



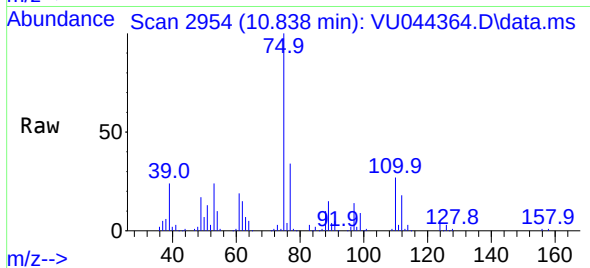
Tgt Ion: 83 Resp: 162574  
Ion Ratio Lower Upper  
83 100  
131 9.2 8.2 12.2  
85 64.3 50.8 76.2





#71  
1,2,3-Trichloropropane  
Concen: 8.992 ug/l m  
RT: 10.838 min Scan# 2954  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

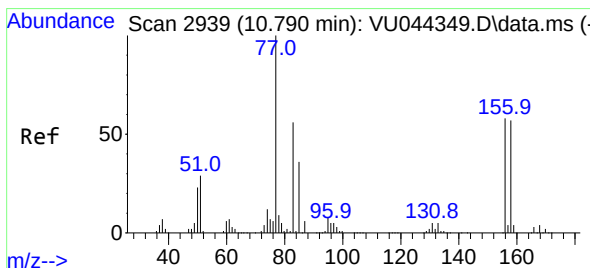
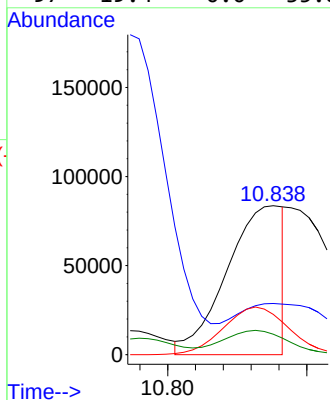
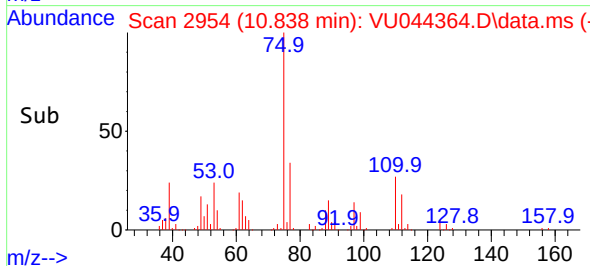
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



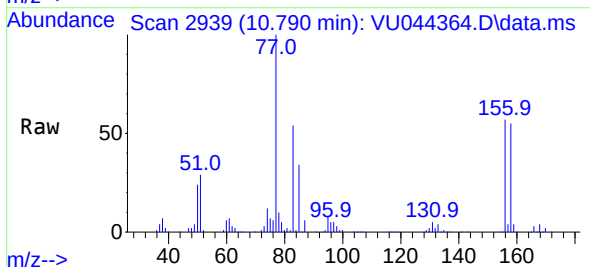
Tgt Ion: 75 Resp: 117877  
Ion Ratio Lower Upper  
75 100  
77 57.6 0.0 111.4  
110 37.6 0.0 74.6  
97 19.4 0.0 35.8

Manual Integrations  
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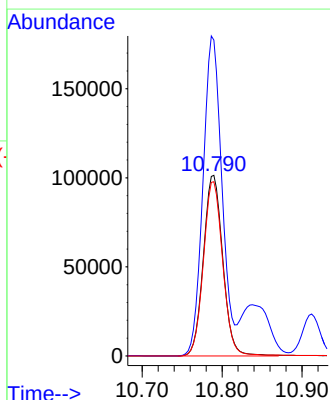
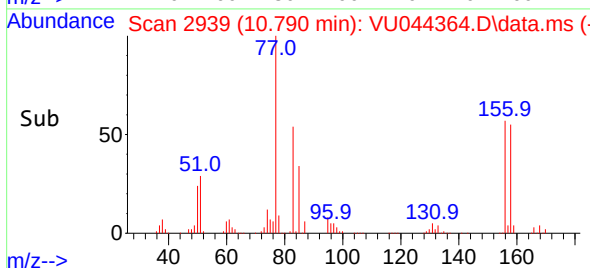
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

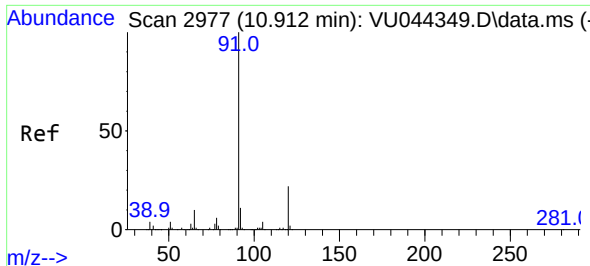


#72  
Bromobenzene  
Concen: 10.520 ug/l  
RT: 10.790 min Scan# 2939  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



Tgt Ion:156 Resp: 171091  
Ion Ratio Lower Upper  
156 100  
77 172.2 0.0 324.2  
158 96.1 0.0 192.4





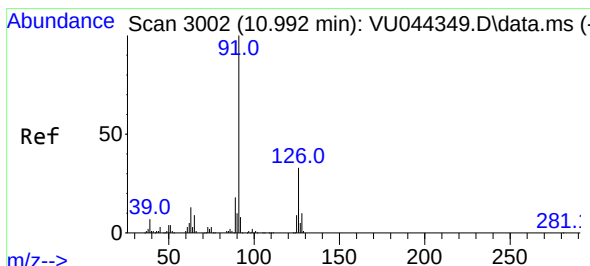
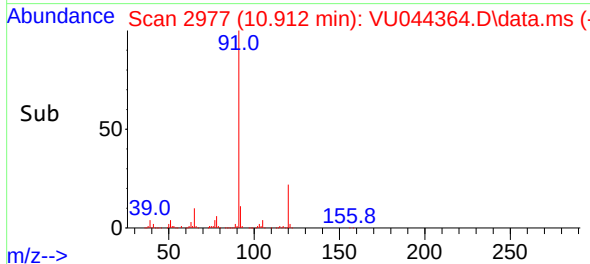
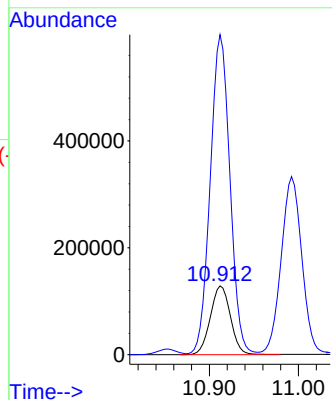
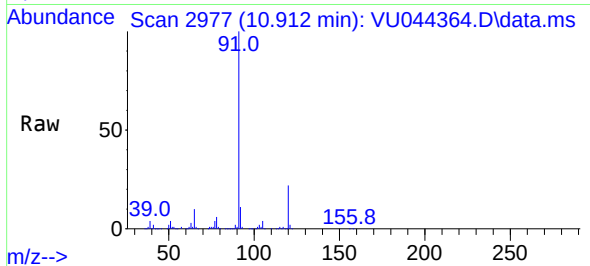
#73  
n-propylbenzene  
Concen: 10.656 ug/l  
RT: 10.912 min Scan# 2977  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion:120 Resp: 20175  
Ion Ratio Lower Upper  
120 100  
91 451.4 346.6 519.8

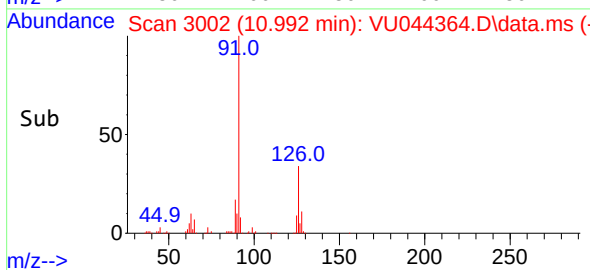
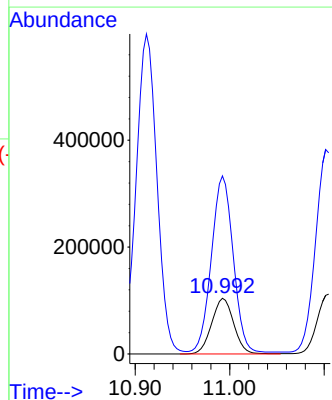
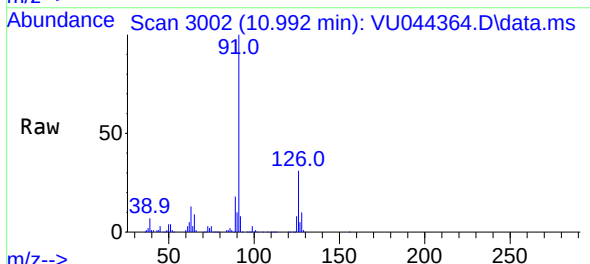
Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

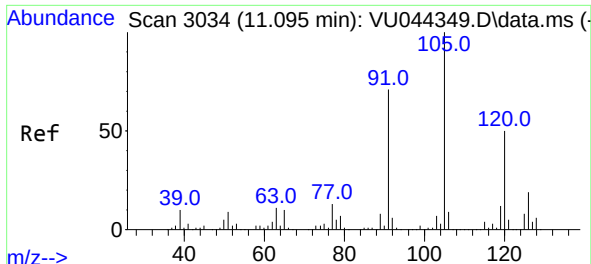


#74  
2-Chlorotoluene  
Concen: 10.374 ug/l  
RT: 10.992 min Scan# 3002  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Tgt Ion:126 Resp: 168482  
Ion Ratio Lower Upper  
126 100  
91 311.6 0.0 593.2







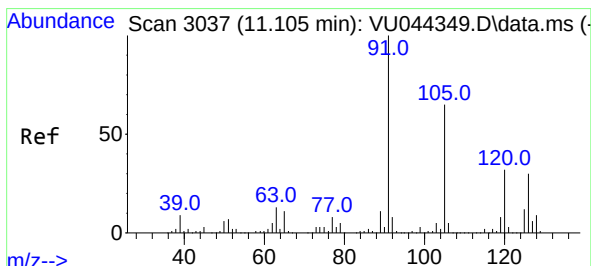
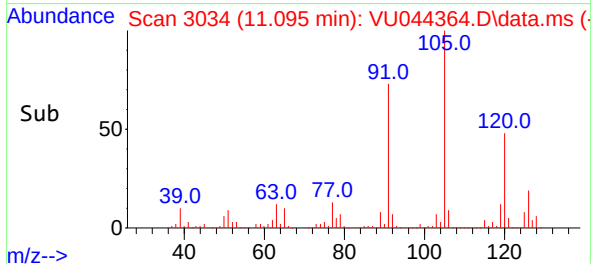
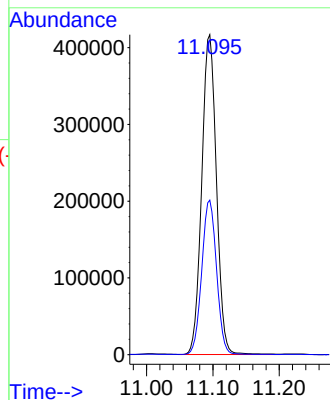
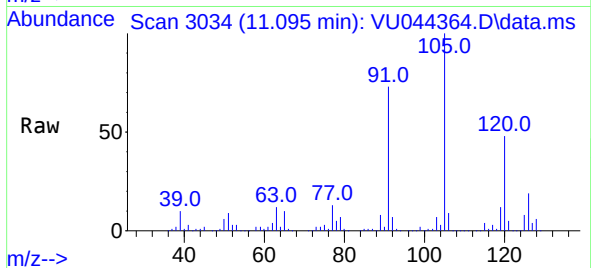
#75  
1,3,5-Trimethylbenzene  
Concen: 10.806 ug/l  
RT: 11.095 min Scan# 3034  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion:105 Resp: 64154  
Ion Ratio Lower Upper  
105 100  
120 48.3 38.6 58.0

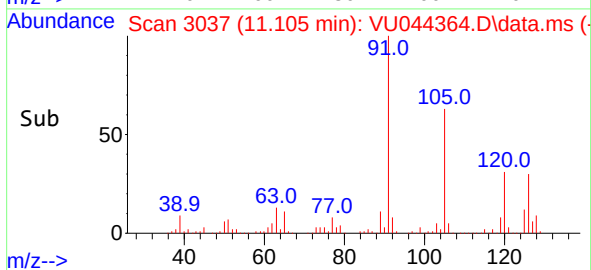
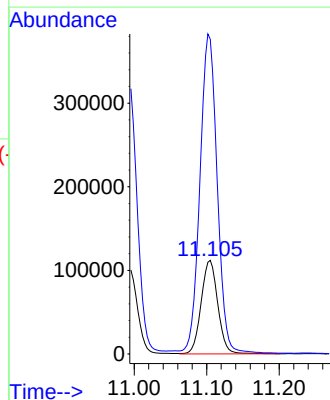
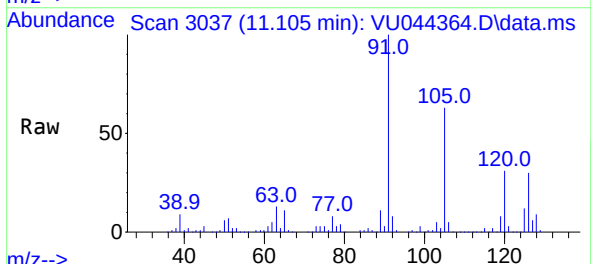
Manual Integrations  
APPROVED

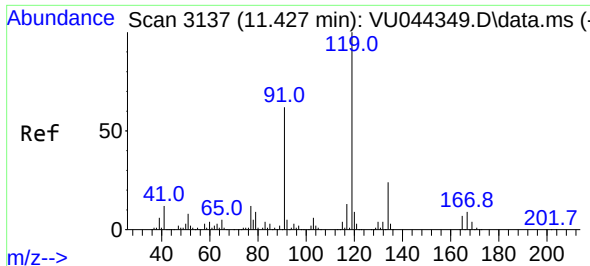
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#76  
4-Chlorotoluene  
Concen: 10.536 ug/l  
RT: 11.105 min Scan# 3037  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

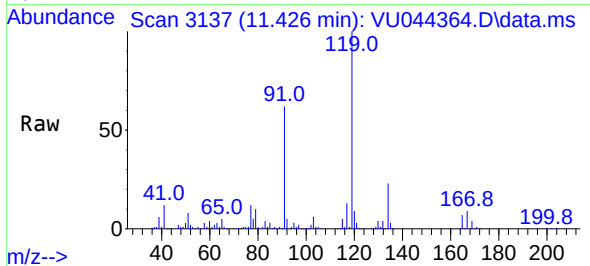
Tgt Ion:126 Resp: 177765  
Ion Ratio Lower Upper  
126 100  
91 354.8 0.0 692.4





#77  
tert-Butylbenzene  
Concen: 10.757 ug/l  
RT: 11.426 min Scan# 3137  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

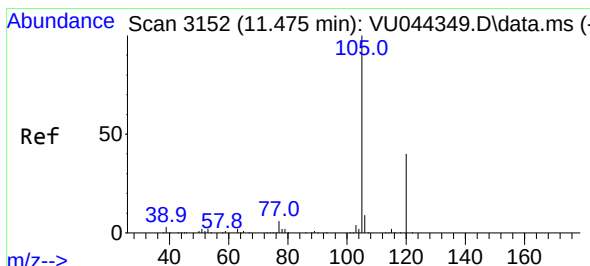
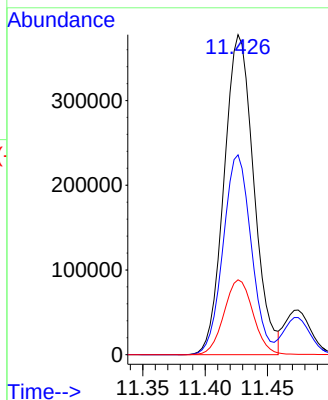
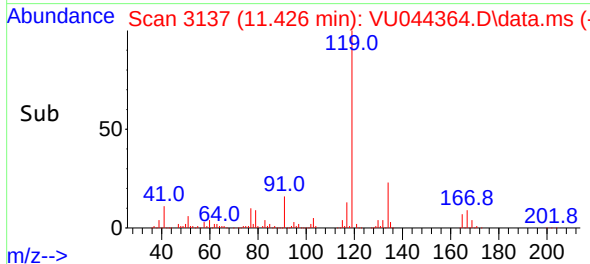
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:119 Resp: 625998  
Ion Ratio Lower Upper  
119 100  
91 59.4 29.9 89.7  
134 23.1 18.7 28.1

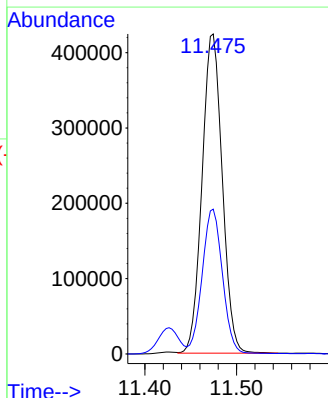
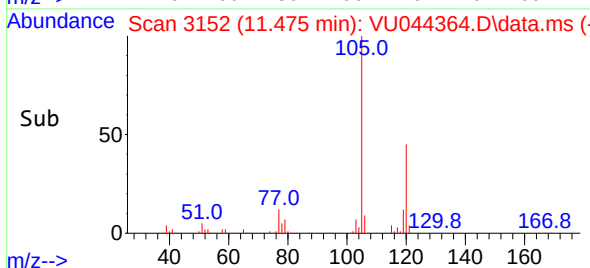
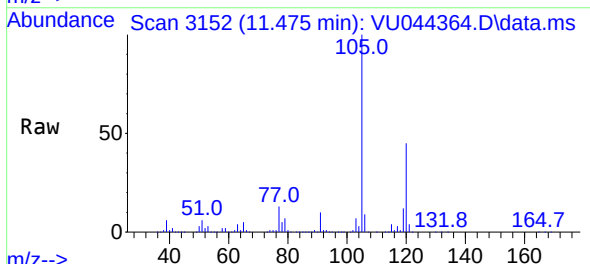
Manual Integrations  
APPROVED

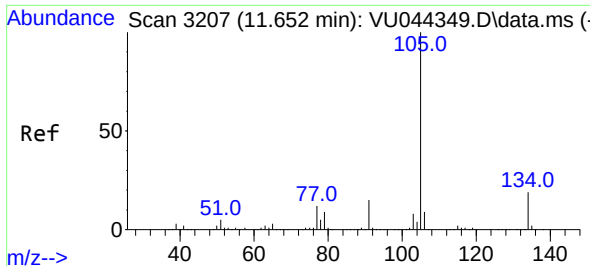
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#78  
1,2,4-Trimethylbenzene  
Concen: 10.774 ug/l  
RT: 11.475 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

Tgt Ion:105 Resp: 649293  
Ion Ratio Lower Upper  
105 100  
120 45.4 22.7 68.0





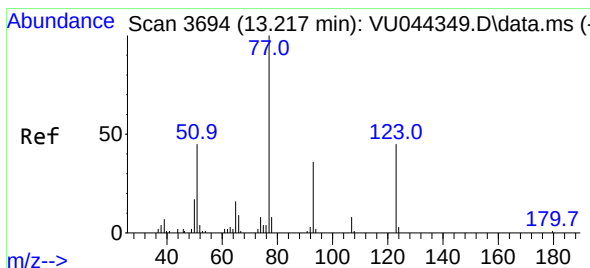
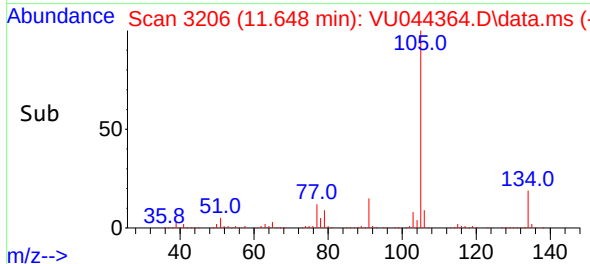
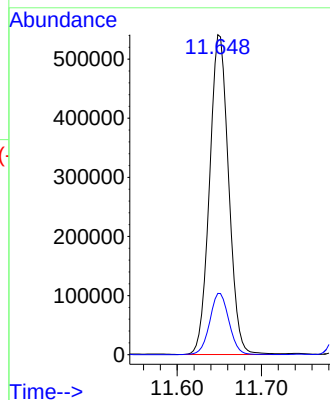
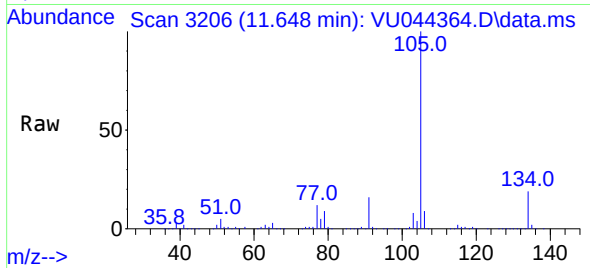
#79  
 sec-Butylbenzene  
 Concen: 10.753 ug/l  
 RT: 11.648 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: VU044364.D  
 Acq: 19 Jul 2021 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion:105 Resp: 85222  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 16.1 24.1

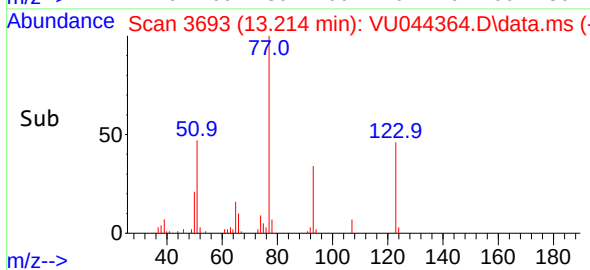
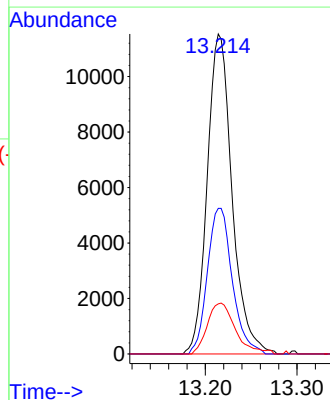
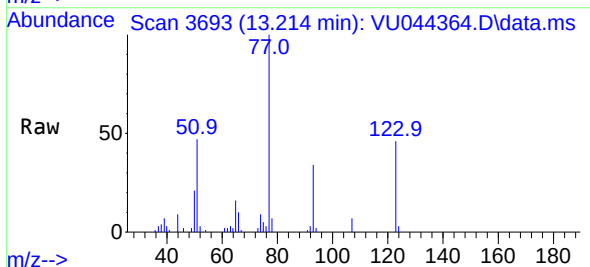
Manual Integrations  
 APPROVED

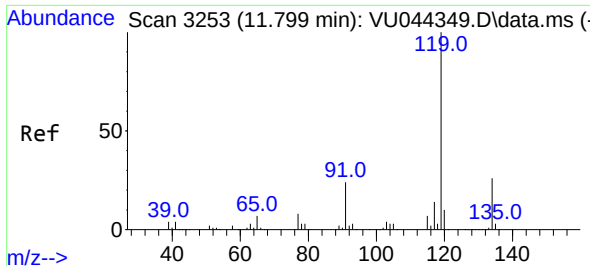
Reviewed By :John Carlone 07/23/2021  
 Supervised By :Mahesh Dadoda 07/23/2021



#80  
 Nitrobenzene  
 Concen: 47.619 ug/l  
 RT: 13.214 min Scan# 3693  
 Delta R.T. -0.003 min  
 Lab File: VU044364.D  
 Acq: 19 Jul 2021 17:41

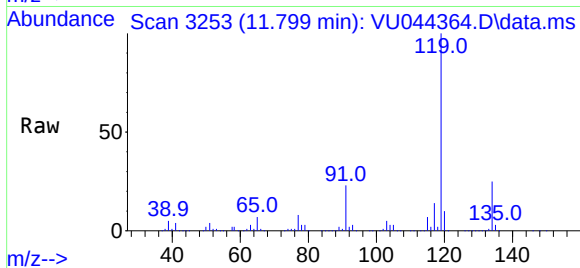
Tgt Ion: 77 Resp: 21722  
 Ion Ratio Lower Upper  
 77 100  
 123 45.7 19.0 67.4  
 65 18.0 12.2 15.6#





#81  
p-Isopropyltoluene  
Concen: 10.731 ug/l  
RT: 11.799 min Scan# 3253  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

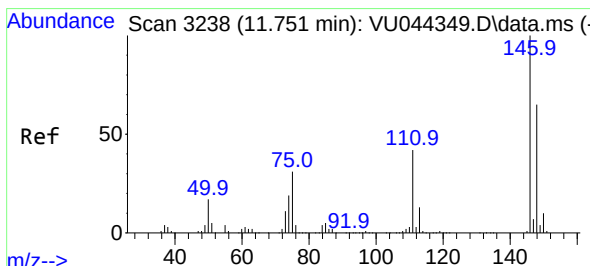
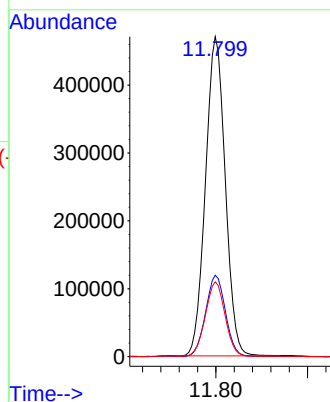
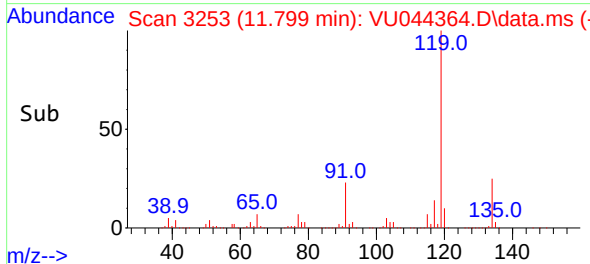
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



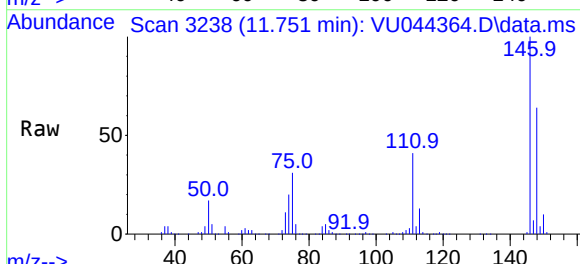
Tgt Ion:119 Resp: 704149  
Ion Ratio Lower Upper  
119 100  
134 25.8 21.0 31.4  
91 23.3 19.4 29.2

Manual Integrations  
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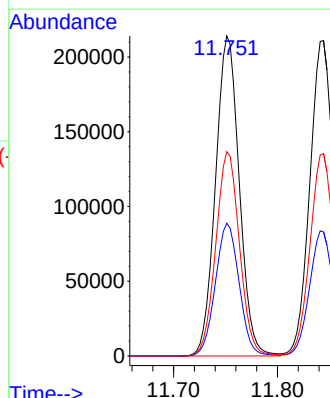
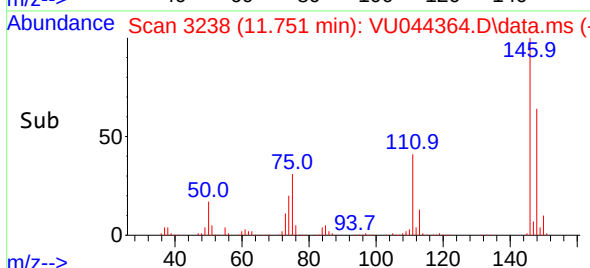
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

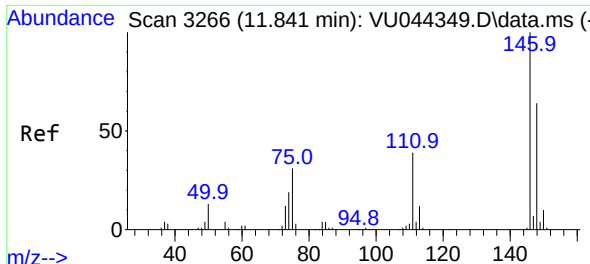


#82  
1,3-Dichlorobenzene  
Concen: 10.520 ug/l  
RT: 11.751 min Scan# 3238  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



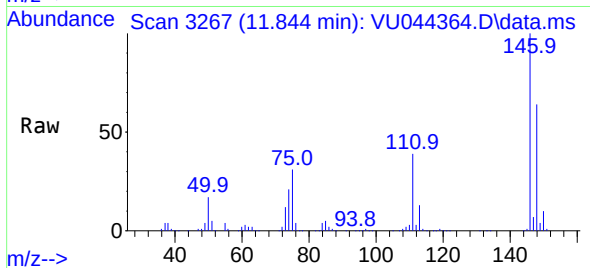
Tgt Ion:146 Resp: 339843  
Ion Ratio Lower Upper  
146 100  
111 41.5 33.3 49.9  
148 63.8 50.9 76.3





#83  
1,4-Dichlorobenzene  
Concen: 10.338 ug/l  
RT: 11.844 min Scan# 3266  
Delta R.T. 0.003 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

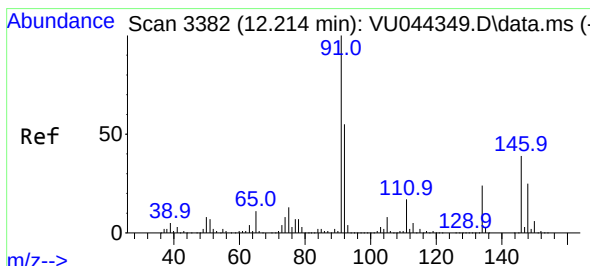
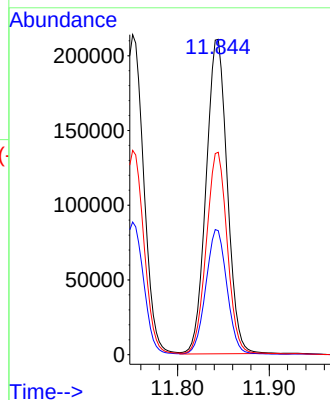
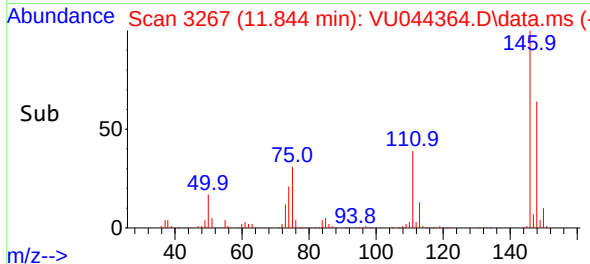
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



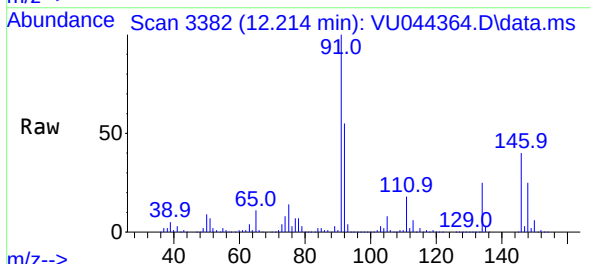
Tgt Ion:146 Resp: 337288  
Ion Ratio Lower Upper  
146 100  
111 39.7 32.6 48.8  
148 63.9 50.8 76.2

Manual Integrations  
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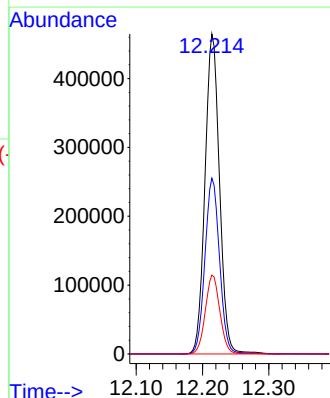
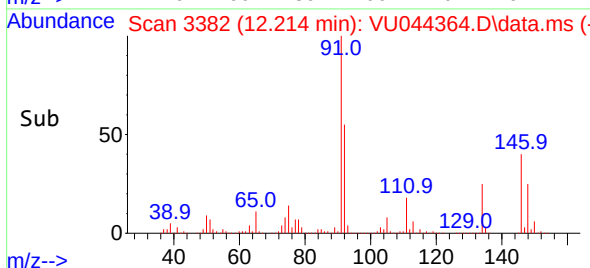
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

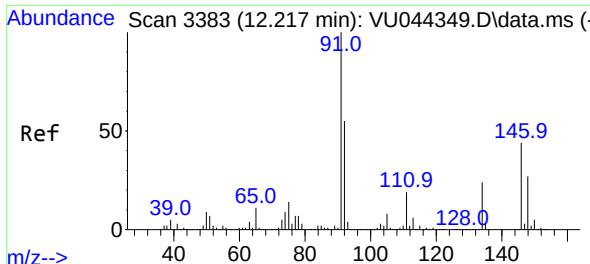


#84  
n-Butylbenzene  
Concen: 10.990 ug/l  
RT: 12.214 min Scan# 3382  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



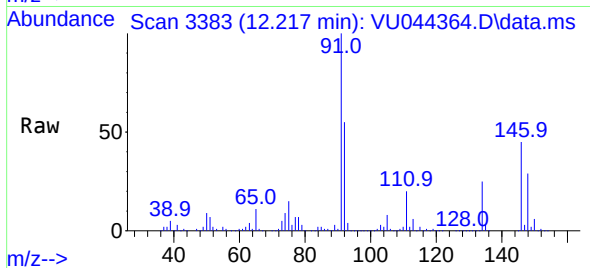
Tgt Ion: 91 Resp: 706132  
Ion Ratio Lower Upper  
91 100  
92 55.2 43.3 64.9  
134 24.7 20.2 30.4





#85  
1,2-Dichlorobenzene  
Concen: 10.381 ug/l  
RT: 12.217 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

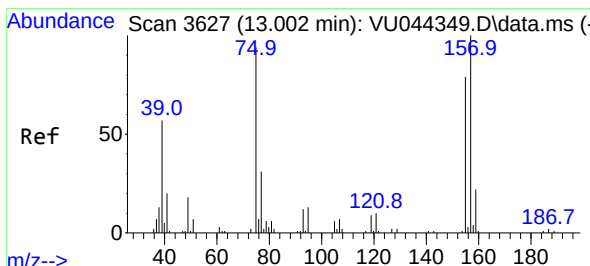
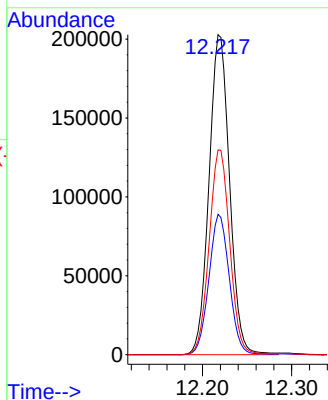
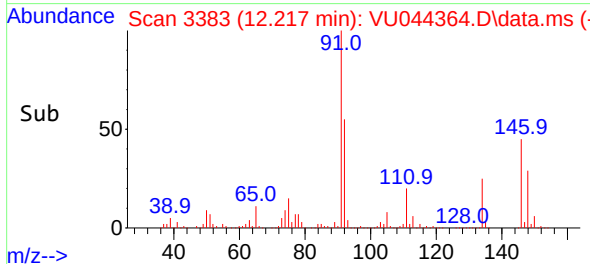
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



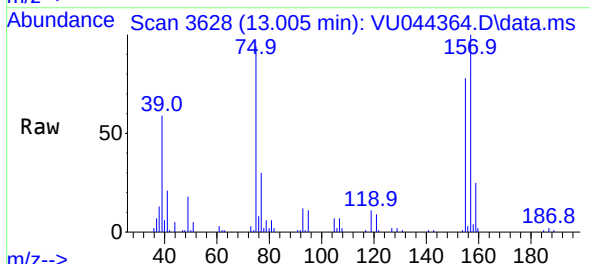
Tgt Ion:146 Resp: 32484  
Ion Ratio Lower Upper  
146 100  
111 43.5 21.6 64.6  
148 64.6 31.9 95.7

Manual Integrations  
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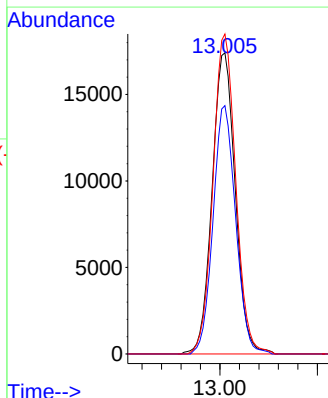
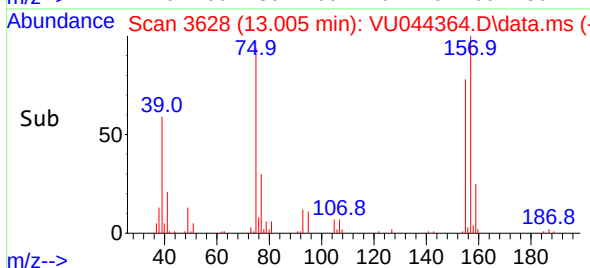
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

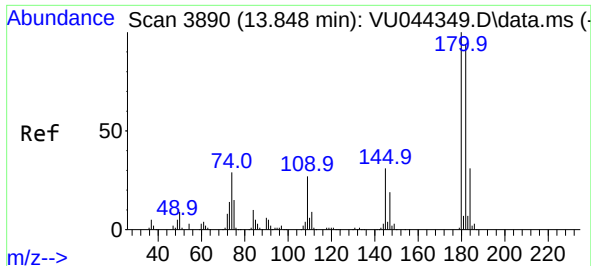


#86  
1,2-Dibromo-3-Chloropropane  
Concen: 10.865 ug/l  
RT: 13.005 min Scan# 3628  
Delta R.T. 0.003 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



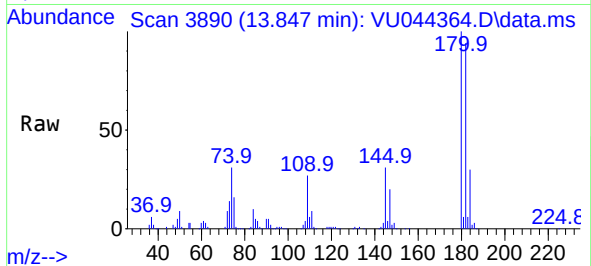
Tgt Ion: 75 Resp: 28719  
Ion Ratio Lower Upper  
75 100  
155 80.4 64.7 97.1  
157 104.3 85.3 127.9





#87  
1,2,4-Trichlorobenzene  
Concen: 10.570 ug/l  
RT: 13.847 min Scan# 3890  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

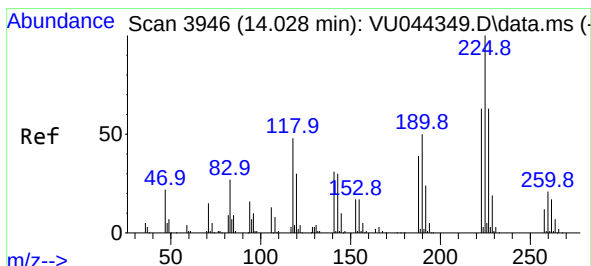
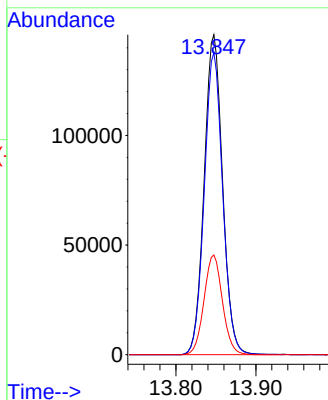
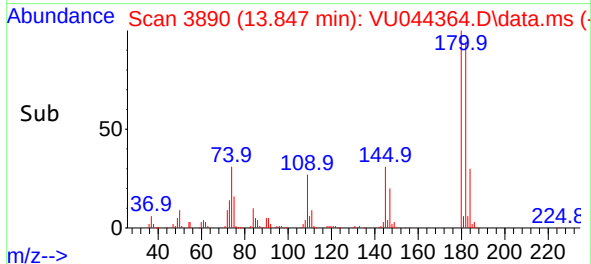
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



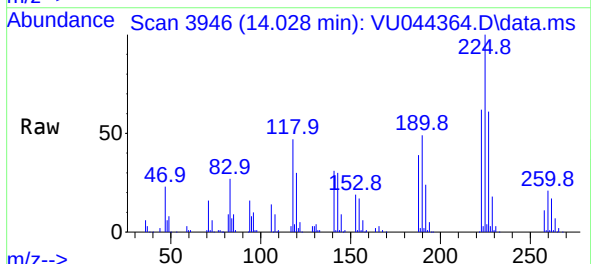
Tgt Ion:180 Resp: 234024  
Ion Ratio Lower Upper  
180 100  
182 94.4 77.0 115.6  
145 31.2 25.8 38.6

Manual Integrations  
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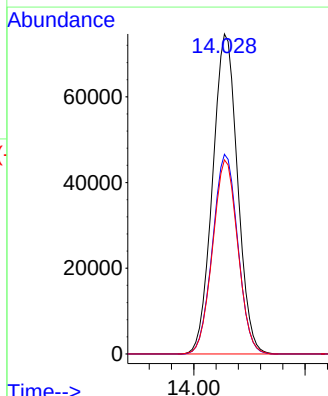
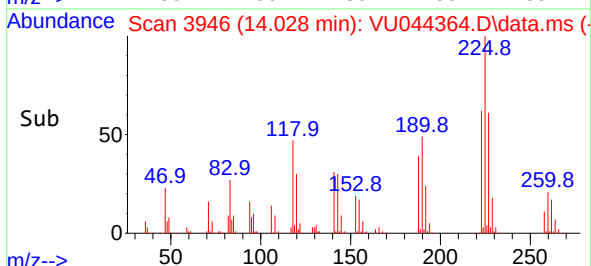
Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021

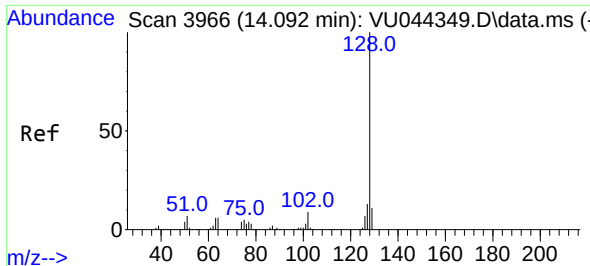


#88  
Hexachlorobutadiene  
Concen: 10.838 ug/l  
RT: 14.028 min Scan# 3946  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



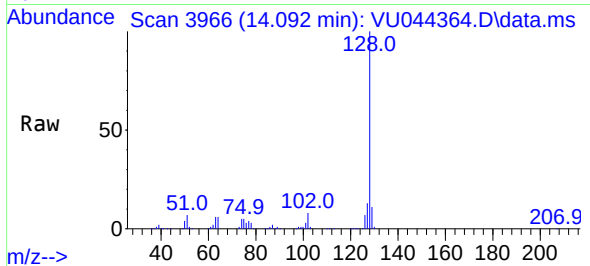
Tgt Ion:225 Resp: 116111  
Ion Ratio Lower Upper  
225 100  
223 63.0 50.9 76.3  
227 61.3 50.8 76.2





#89  
Naphthalene  
Concen: 11.048 ug/l  
RT: 14.092 min Scan# 3966  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41

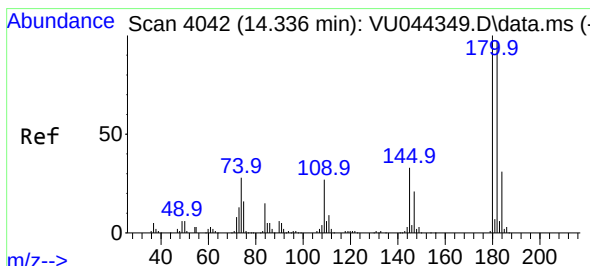
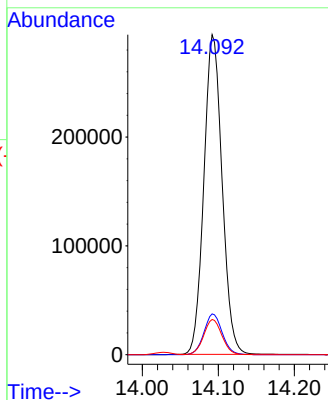
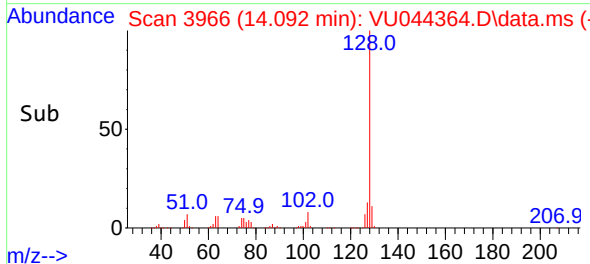
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC



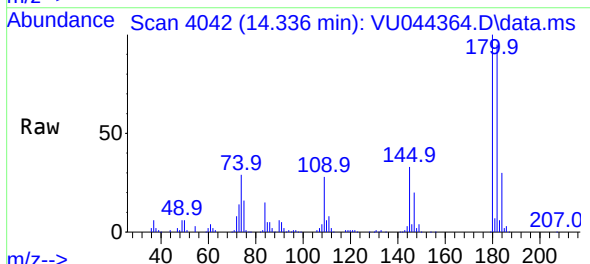
Tgt Ion:128 Resp: 489205  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.4 15.6  
129 11.1 8.6 13.0

Manual Integrations  
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Reviewed By :John Carlone 07/23/2021  
Supervised By :Mahesh Dadoda 07/23/2021



#90  
1,2,3-Trichlorobenzene  
Concen: 10.996 ug/l  
RT: 14.336 min Scan# 4042  
Delta R.T. -0.000 min  
Lab File: VU044364.D  
Acq: 19 Jul 2021 17:41



Tgt Ion:180 Resp: 221023  
Ion Ratio Lower Upper  
180 100  
182 95.5 77.1 115.7  
145 33.5 27.0 40.4

