

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092821\  
 Data File : VU044929.D  
 Acq On : 28 Sep 2021 10:14  
 Operator : SY/MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/29/2021  
 Supervised By : Mahesh Dadoda 09/30/2021

Quant Time: Sep 28 11:55:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 11:55:17 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.379  | 168  | 168154   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.253  | 114  | 301396   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.423  | 117  | 269902   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.816 | 152  | 122599   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 0.000  | 65    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | =    | 0.000%# |
| 35) Dibromofluoromethane  | 0.000  | 113   | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 0.000%# |
| 50) Toluene-d8            | 0.000  | 98    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | =    | 0.000%# |
| 62) 4-Bromofluorobenzene  | 0.000  | 95    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 0.000%# |

## Target Compounds

|                              |       |     |       |       |        | Qvalue |
|------------------------------|-------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.388 | 85  | 1943  | 0.952 | ug/l   | 97     |
| 3) Chloromethane             | 1.520 | 50  | 3312  | 1.098 | ug/l   | 98     |
| 4) Vinyl Chloride            | 1.607 | 62  | 2532  | 0.886 | ug/l # | 68     |
| 6) Chloroethane              | 1.929 | 64  | 2258  | 1.006 | ug/l   | 95     |
| 7) Trichlorofluoromethane    | 2.138 | 101 | 3358  | 0.947 | ug/l   | 100    |
| 8) Diethyl Ether             | 2.379 | 74  | 1590  | 0.983 | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluo... | 2.584 | 101 | 1882  | 0.914 | ug/l   | 95     |
| 12) 1,1-Dichloroethene       | 2.584 | 96  | 1791  | 0.877 | ug/l   | 95     |
| 14) Allyl chloride           | 2.925 | 41  | 3669  | 0.936 | ug/l   | 98     |
| 15) Acrylonitrile            | 3.321 | 53  | 7366  | 4.163 | ug/l   | 97     |
| 16) Acetone                  | 2.633 | 43  | 8881  | 5.290 | ug/l   | 95     |
| 17) Carbon Disulfide         | 2.797 | 76  | 6252  | 1.084 | ug/l   | 97     |
| 18) Methyl Acetate           | 2.957 | 43  | 4602  | 0.842 | ug/l   | 100    |
| 19) Methyl tert-butyl Ether  | 3.372 | 73  | 7019  | 0.920 | ug/l   | 98     |
| 20) Methylene Chloride       | 3.054 | 84  | 2633  | 0.981 | ug/l   | 94     |
| 21) trans-1,2-Dichloroethene | 3.356 | 96  | 2050  | 0.940 | ug/l   | 87     |
| 22) Diisopropyl ether        | 4.002 | 45  | 6919  | 0.892 | ug/l   | 94     |
| 23) Vinyl Acetate            | 3.964 | 43  | 26208 | 4.125 | ug/l   | 98     |
| 24) 1,1-Dichloroethane       | 3.874 | 63  | 4031  | 0.896 | ug/l # | 95     |
| 25) 2-Butanone               | 4.716 | 43  | 10414 | 4.157 | ug/l   | 99     |
| 26) 2,2-Dichloropropane      | 4.671 | 77  | 3513  | 1.015 | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene   | 4.678 | 96  | 2460  | 0.928 | ug/l   | 90     |
| 28) Bromochloromethane       | 4.973 | 49  | 1596  | 0.763 | ug/l # | 96     |
| 29) Tetrahydrofuran          | 5.064 | 42  | 6272  | 4.031 | ug/l   | 99     |
| 30) Chloroform               | 5.092 | 83  | 4323  | 0.949 | ug/l   | 89     |
| 32) 1,1,1-Trichloroethane    | 5.321 | 97  | 3241  | 0.880 | ug/l # | 54     |
| 36) 1,1-Dichloropropene      | 5.533 | 75  | 2923  | 0.909 | ug/l   | 97     |
| 37) Ethyl Acetate            | 4.819 | 43  | 4223  | 0.911 | ug/l # | 87     |
| 38) Carbon Tetrachloride     | 5.533 | 117 | 2341  | 0.819 | ug/l   | 93     |
| 39) Methylcyclohexane        | 6.768 | 83  | 3547  | 0.965 | ug/l   | 90     |
| 40) Benzene                  | 5.781 | 78  | 9164  | 0.938 | ug/l   | 94     |
| 41) Methacrylonitrile        | 4.986 | 41  | 1913  | 0.824 | ug/l   | 97     |
| 42) 1,2-Dichloroethane       | 5.800 | 62  | 3562  | 0.924 | ug/l   | 92     |
| 43) Isopropyl Acetate        | 5.916 | 43  | 5642  | 0.859 | ug/l   | 96     |
| 44) Trichloroethene          | 6.549 | 130 | 2143  | 0.911 | ug/l   | 97     |
| 45) 1,2-Dichloropropane      | 6.797 | 63  | 2408  | 0.920 | ug/l   | 94     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092821\  
 Data File : VU044929.D  
 Acq On : 28 Sep 2021 10:14  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/29/2021  
 Supervised By : Mahesh Dadoda 09/30/2021

Quant Time: Sep 28 11:55:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 11:55:17 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) Dibromomethane            | 6.922  | 93   | 1502     | 0.858 | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.112  | 83   | 2914     | 0.845 | ug/l   | 96       |
| 48) Methyl methacrylate       | 6.967  | 41   | 2761     | 0.890 | ug/l   | 96       |
| 49) 1,4-Dioxane               | 6.973  | 88   | 749      | 9.470 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 7.797  | 43   | 19000    | 4.041 | ug/l   | 94       |
| 52) Toluene                   | 7.973  | 92   | 5536     | 0.942 | ug/l   | 92       |
| 53) t-1,3-Dichloropropene     | 8.214  | 75   | 3104     | 0.851 | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 7.613  | 75   | 3338     | 0.853 | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 8.407  | 97   | 2194     | 0.875 | ug/l   | 92       |
| 56) Ethyl methacrylate        | 8.340  | 69   | 3135     | 0.779 | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 8.581  | 76   | 3939     | 0.883 | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.469  | 63   | 3304     | 3.452 | ug/l   | 96       |
| 59) 2-Hexanone                | 8.690  | 43   | 14221    | 3.740 | ug/l   | 97       |
| 60) Dibromochloromethane      | 8.816  | 129  | 1706     | 0.709 | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 8.928  | 107  | 2257     | 0.854 | ug/l   | 97       |
| 64) Tetrachloroethene         | 8.555  | 164  | 1715     | 0.942 | ug/l   | 96       |
| 65) Chlorobenzene             | 9.452  | 112  | 5258     | 0.931 | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 1639     | 0.814 | ug/l # | 64       |
| 67) Ethyl Benzene             | 9.575  | 91   | 9421     | 0.932 | ug/l   | 96       |
| 68) m/p-Xylenes               | 9.700  | 106  | 7520     | 1.946 | ug/l   | 94       |
| 69) o-Xylene                  | 10.105 | 106  | 3509     | 0.933 | ug/l   | 95       |
| 70) Styrene                   | 10.118 | 104  | 5377     | 0.850 | ug/l   | 99       |
| 71) Bromoform                 | 10.295 | 173  | 1144     | 0.676 | ug/l # | 96       |
| 73) Isopropylbenzene          | 10.488 | 105  | 8705     | 0.996 | ug/l   | 100      |
| 74) N-amyl acetate            | 10.324 | 43   | 4039     | 0.903 | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 3635     | 0.905 | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 10.829 | 75   | 3299m    | 0.881 | ug/l   |          |
| 77) Bromobenzene              | 10.787 | 156  | 2153     | 1.024 | ug/l   | 98       |
| 78) n-propylbenzene           | 10.909 | 91   | 10263    | 0.966 | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 6873     | 1.058 | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 7188     | 0.965 | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 11.102 | 91   | 7202     | 0.973 | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.423 | 119  | 6880     | 0.952 | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 6723     | 0.914 | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.648 | 105  | 8832     | 0.949 | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 6689     | 0.883 | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 4220     | 1.031 | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 4492m    | 1.064 | ug/l   |          |
| 89) n-Butylbenzene            | 12.214 | 91   | 6286     | 0.902 | ug/l   | 99       |
| 90) Hexachloroethane          | 12.481 | 117  | 1275     | 0.926 | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 12.218 | 146  | 4241     | 0.981 | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 848      | 0.883 | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 13.848 | 180  | 2446     | 1.034 | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 14.025 | 225  | 965      | 0.923 | ug/l   | 92       |
| 95) Naphthalene               | 14.092 | 128  | 9991     | 1.214 | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 2542     | 1.066 | ug/l   | 97       |

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

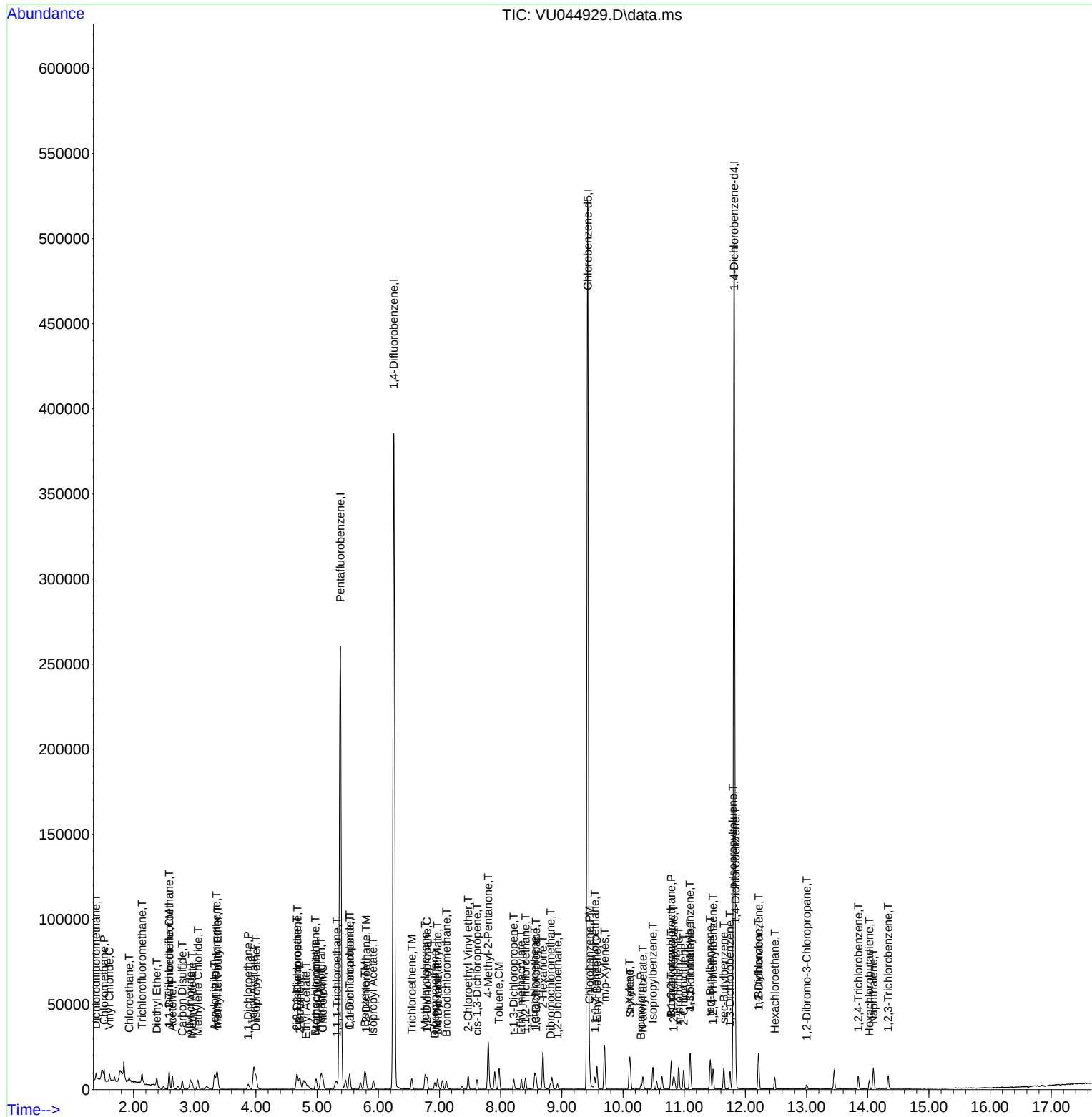
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092821\  
Data File : VU044929.D  
Acq On : 28 Sep 2021 10:14  
Operator : SY/MD  
Sample : VSTDIC001  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

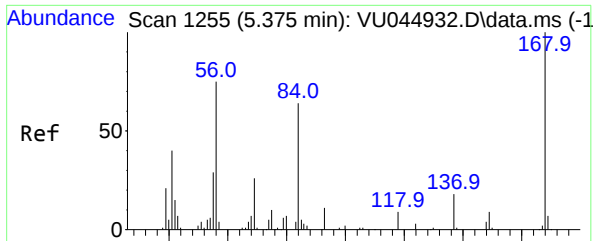
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Quant Time: Sep 28 11:55:45 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 28 11:55:17 2021  
Response via : Initial Calibration

Manual Integrations  
APPROVED

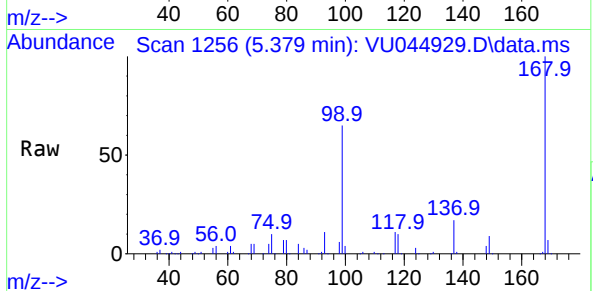
Reviewed By : John Carlone 09/29/2021  
Supervised By : Mahesh Dadoda 09/30/2021





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.379 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

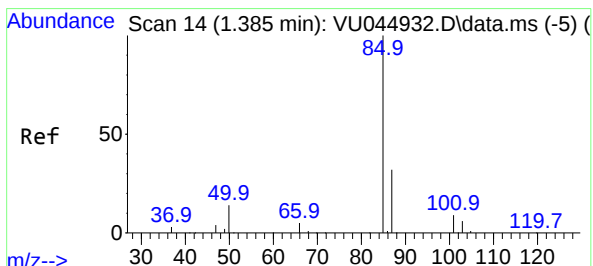
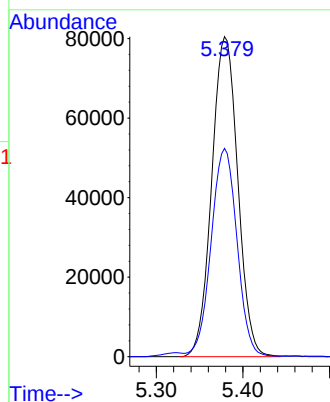
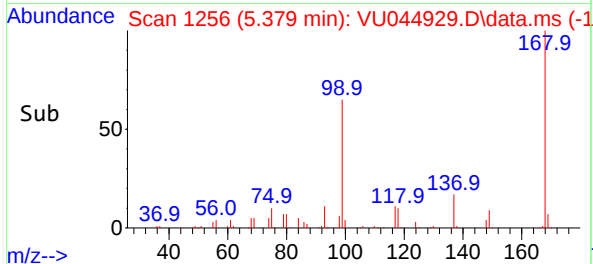
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion:168 Resp: 168154  
Ion Ratio Lower Upper  
168 100  
99 64.9 51.4 77.0

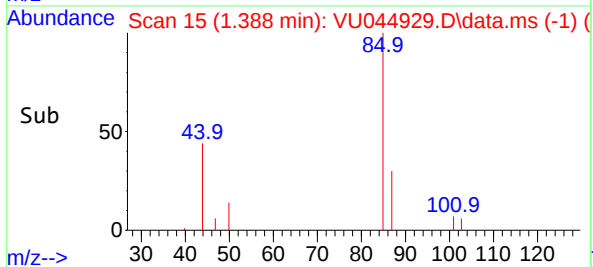
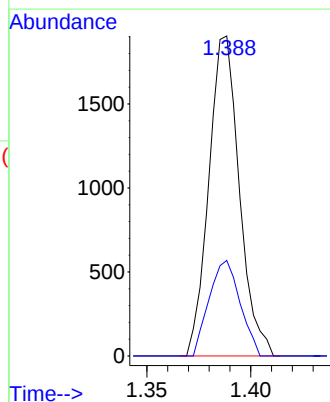
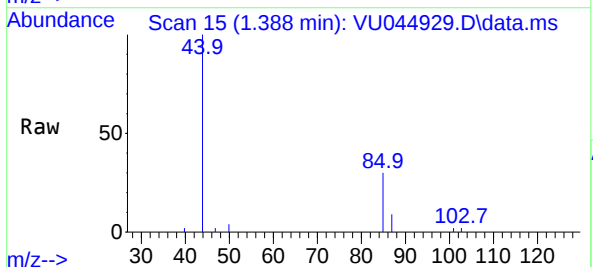
Manual Integrations  
APPROVED

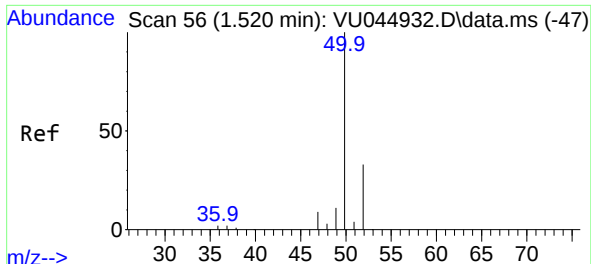
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#2  
Dichlorodifluoromethane  
Concen: 0.952 ug/l  
RT: 1.388 min Scan# 15  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

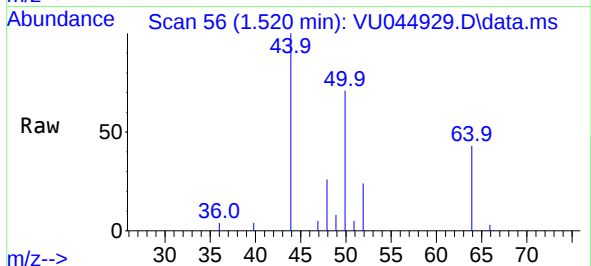
Tgt Ion: 85 Resp: 1943  
Ion Ratio Lower Upper  
85 100  
87 29.9 15.7 47.0





#3  
Chloromethane  
Concen: 1.098 ug/l  
RT: 1.520 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

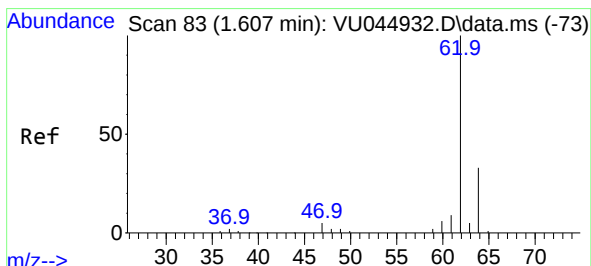
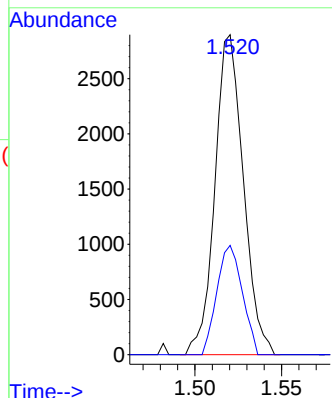
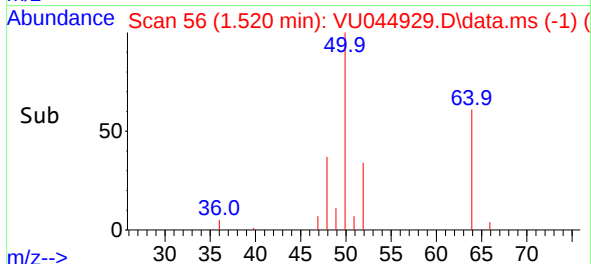
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



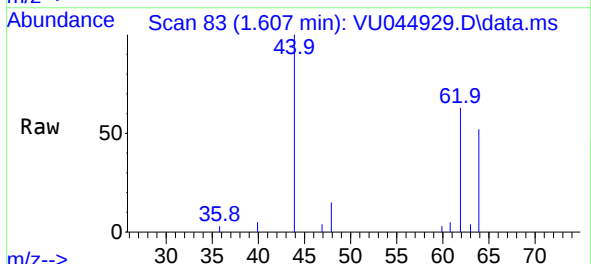
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Ion Ratio Lower Upper  
50 100  
52 34.2 26.3 39.5

Manual Integrations  
APPROVED

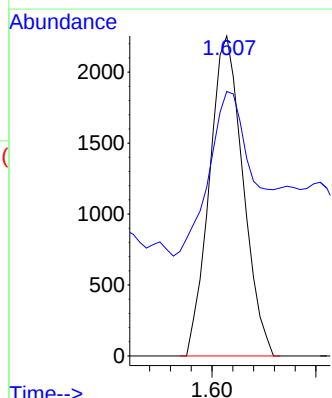
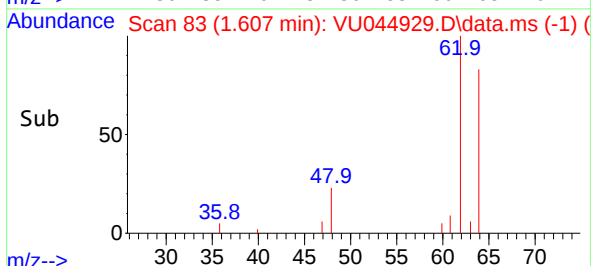
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

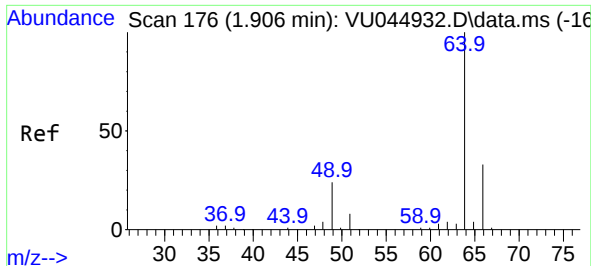


#4  
Vinyl Chloride  
Concen: 0.886 ug/l  
RT: 1.607 min Scan# 83  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



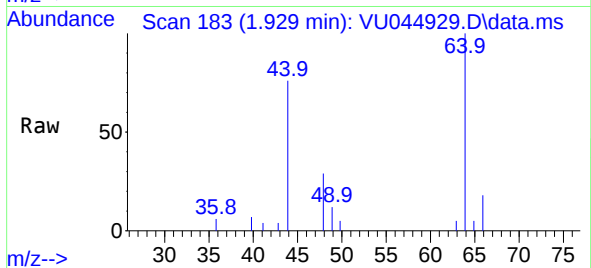
Tgt Ion: 62 Resp: 2532  
Ion Ratio Lower Upper  
62 100  
64 50.0 25.6 38.4#





#6  
Chloroethane  
Concen: 1.006 ug/l  
RT: 1.929 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

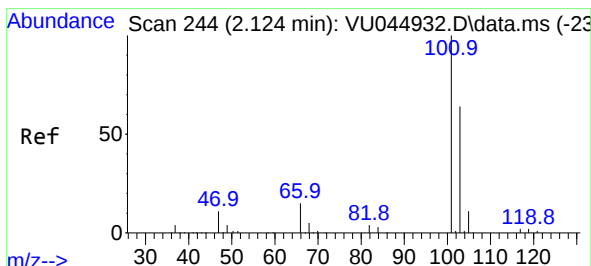
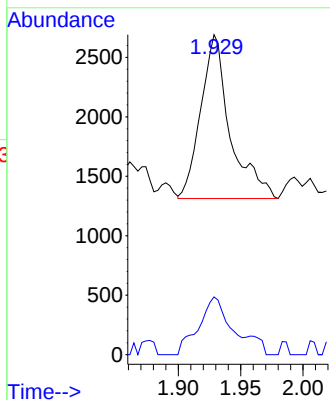
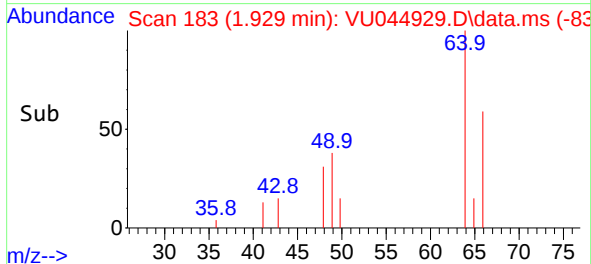
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



Tgt Ion: 64 Resp: 2258  
Ion Ratio Lower Upper  
64 100  
66 35.2 25.8 38.8

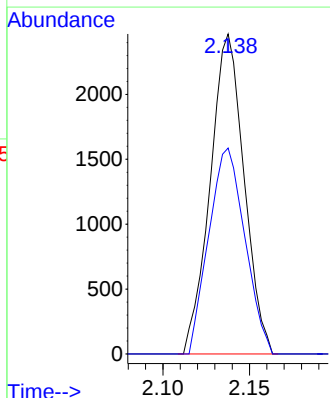
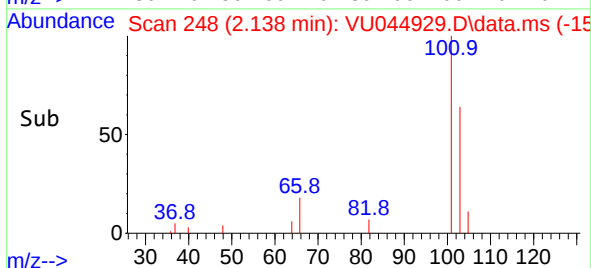
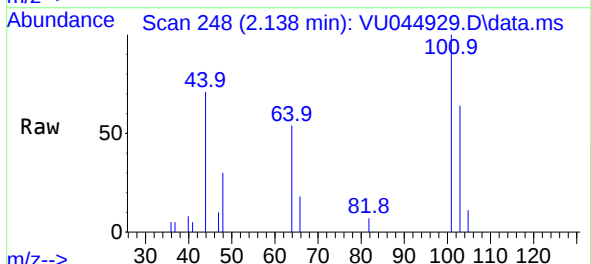
Manual Integrations  
APPROVED

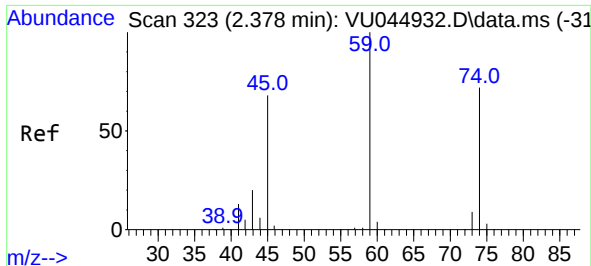
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#7  
Trichlorofluoromethane  
Concen: 0.947 ug/l  
RT: 2.138 min Scan# 248  
Delta R.T. 0.013 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

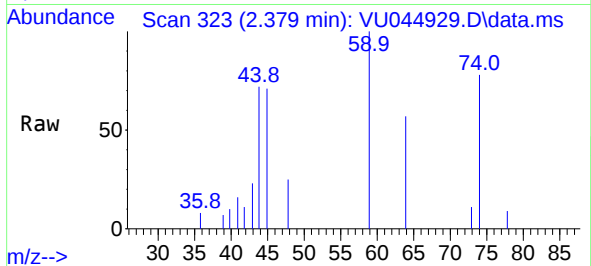
Tgt Ion:101 Resp: 3358  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.2 76.8





#8  
Diethyl Ether  
Concen: 0.983 ug/l  
RT: 2.379 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

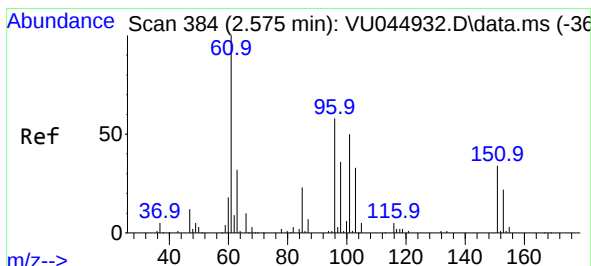
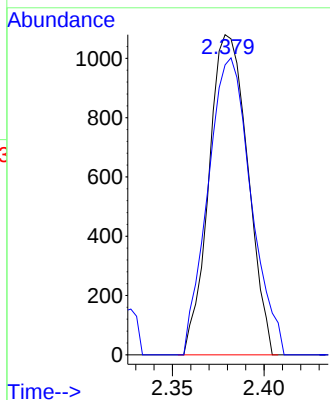
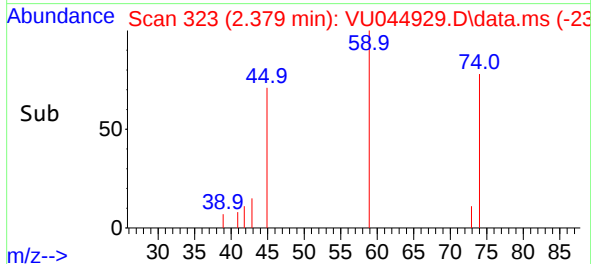
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



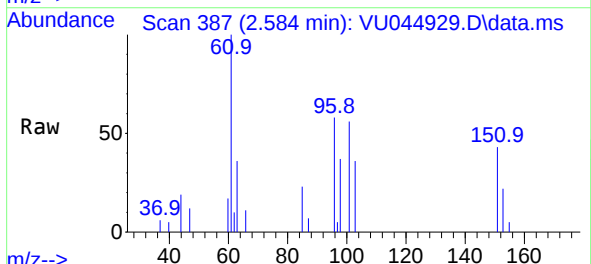
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Ion Ratio Lower Upper  
74 100  
45 102.7 52.2 156.6

Manual Integrations  
APPROVED

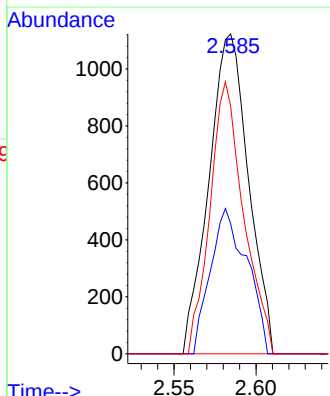
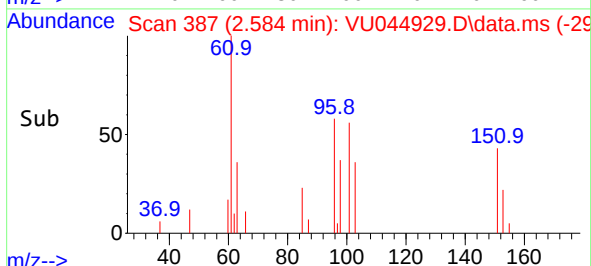
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

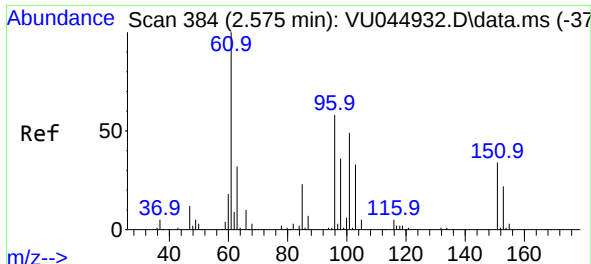


#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.914 ug/l  
RT: 2.584 min Scan# 387  
Delta R.T. 0.010 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion:101 Resp: 1882  
Ion Ratio Lower Upper  
101 100  
85 42.0 37.2 55.8  
151 72.3 55.8 83.8





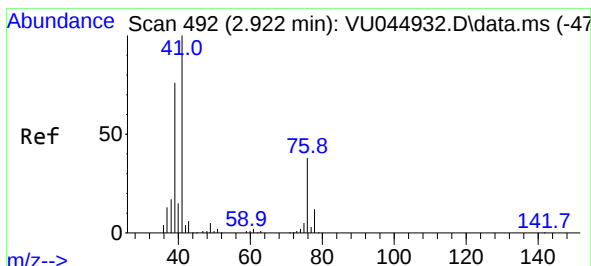
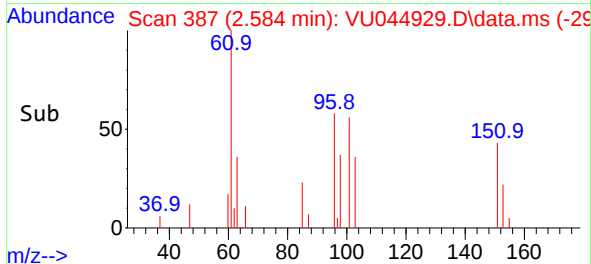
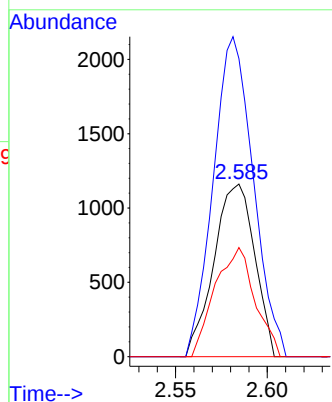
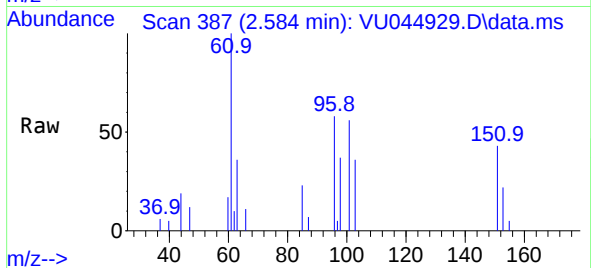
#12  
1,1-Dichloroethene  
Concen: 0.877 ug/l  
RT: 2.584 min Scan# 384  
Delta R.T. 0.010 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 96 Resp: 179  
Ion Ratio Lower Upper  
96 100  
61 172.7 145.4 218.0  
98 63.2 50.9 76.3

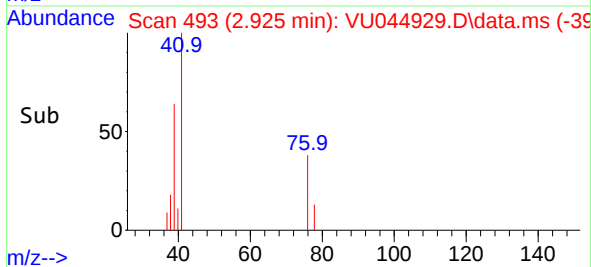
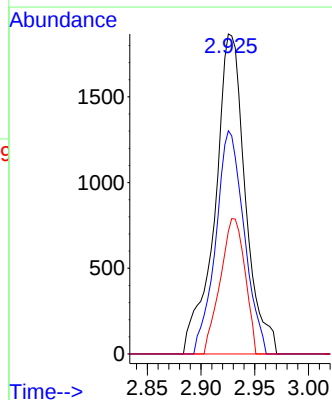
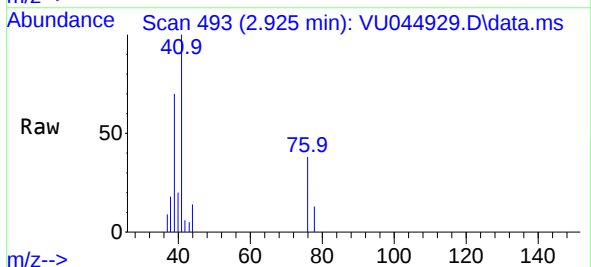
Manual Integrations  
APPROVED

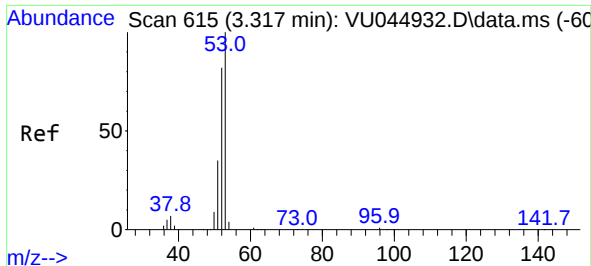
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#14  
Allyl chloride  
Concen: 0.936 ug/l  
RT: 2.925 min Scan# 493  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

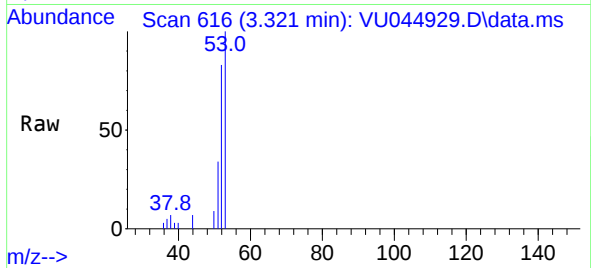
Tgt Ion: 41 Resp: 3669  
Ion Ratio Lower Upper  
41 100  
39 65.1 53.0 79.6  
76 34.3 25.7 38.5





#15  
Acrylonitrile  
Concen: 4.163 ug/l  
RT: 3.321 min Scan# 615  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

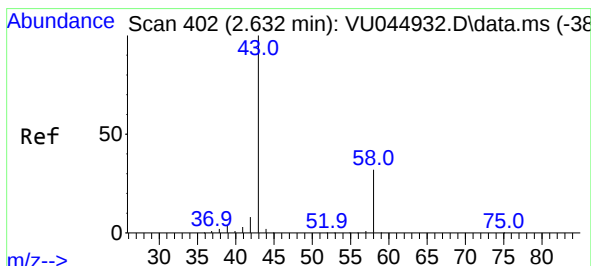
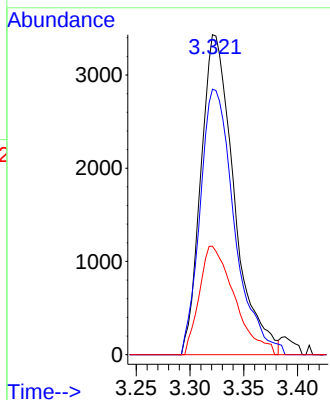
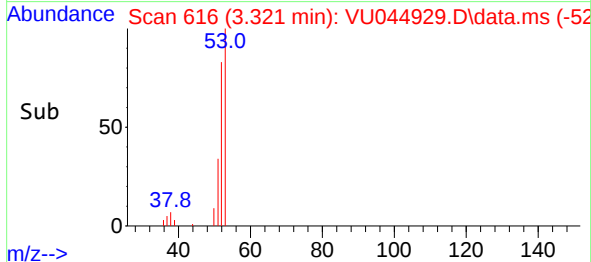
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



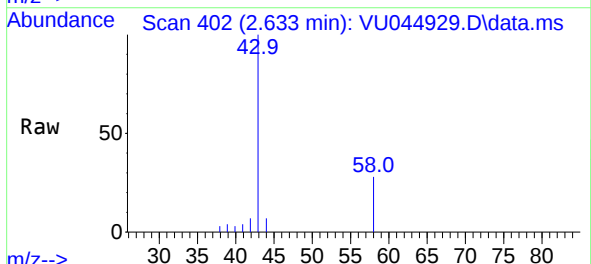
Tgt Ion: 53 Resp: 7360  
Ion Ratio Lower Upper  
53 100  
52 85.8 66.0 99.0  
51 36.0 28.6 42.8

Manual Integrations  
APPROVED

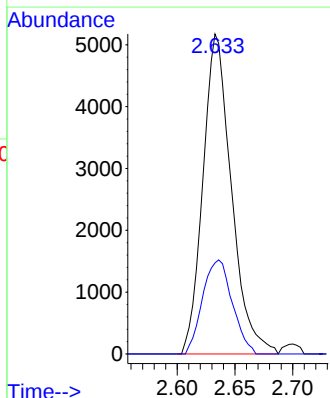
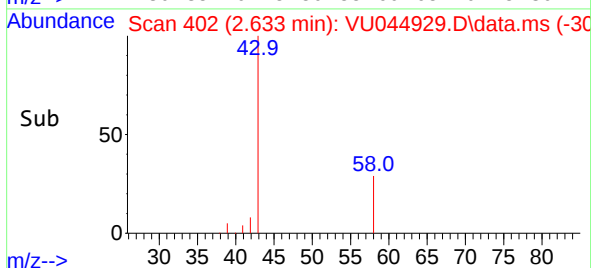
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

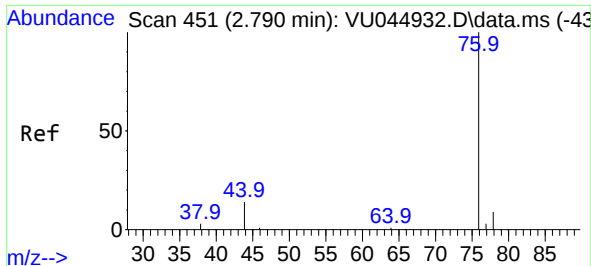


#16  
Acetone  
Concen: 5.290 ug/l  
RT: 2.633 min Scan# 402  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



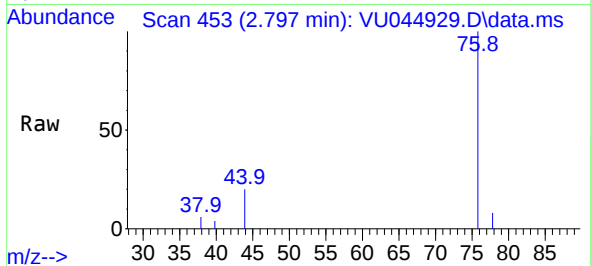
Tgt Ion: 43 Resp: 8881  
Ion Ratio Lower Upper  
43 100  
58 28.5 25.2 37.8





#17  
Carbon Disulfide  
Concen: 1.084 ug/l  
RT: 2.797 min Scan# 41  
Delta R.T. 0.007 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

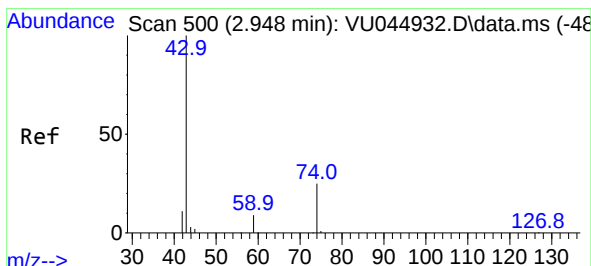
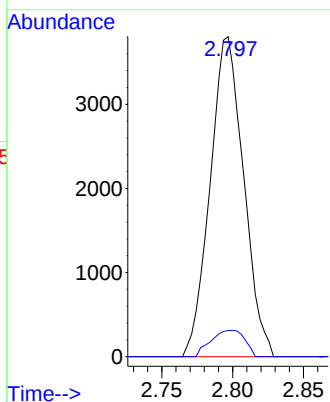
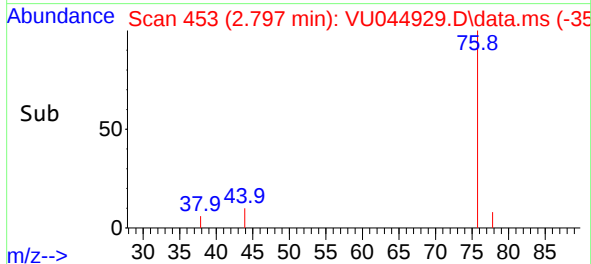
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



Tgt Ion: 76 Resp: 625  
Ion Ratio Lower Upper  
76 100  
78 8.1 7.4 11.0

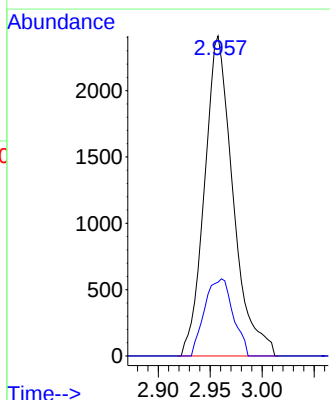
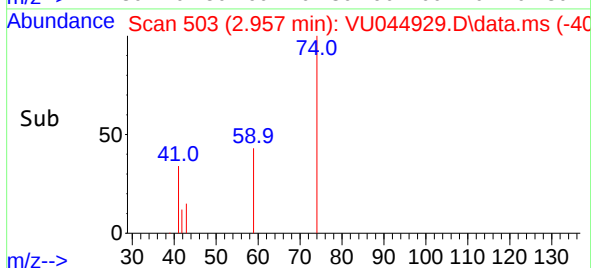
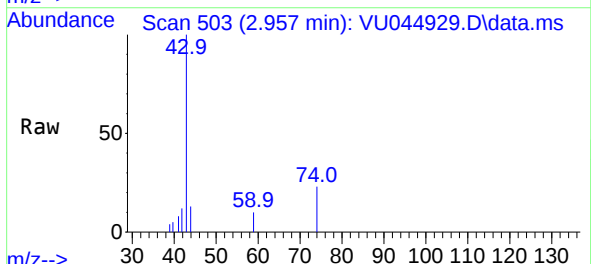
Manual Integrations  
APPROVED

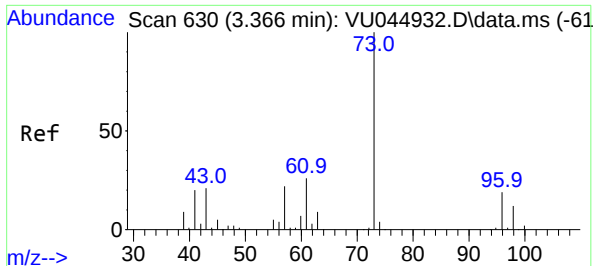
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#18  
Methyl Acetate  
Concen: 0.842 ug/l  
RT: 2.957 min Scan# 503  
Delta R.T. 0.010 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Tgt Ion: 43 Resp: 4602  
Ion Ratio Lower Upper  
43 100  
74 23.9 19.0 28.6





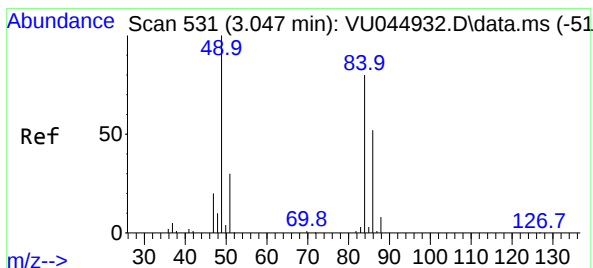
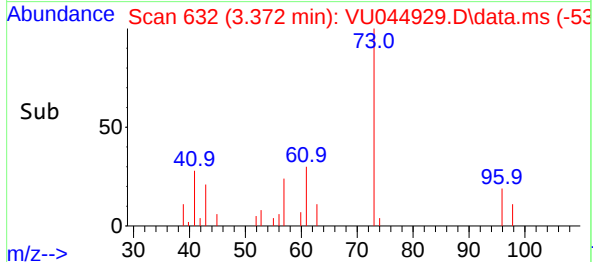
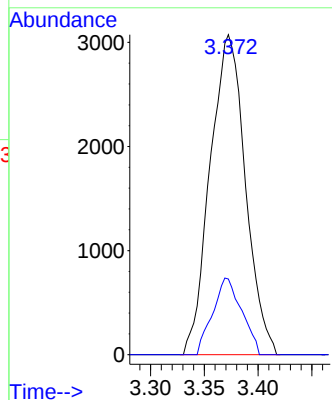
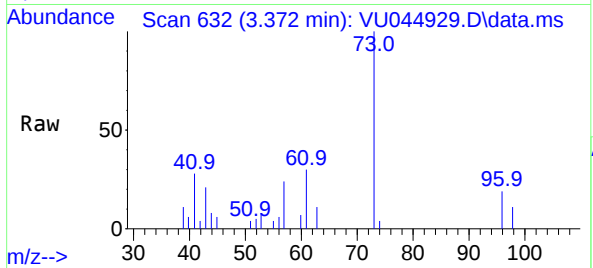
#19  
Methyl tert-butyl Ether  
Concen: 0.920 ug/l  
RT: 3.372 min Scan# 61  
Delta R.T. 0.007 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 73 Resp: 7019  
Ion Ratio Lower Upper  
73 100  
57 23.6 18.2 27.2

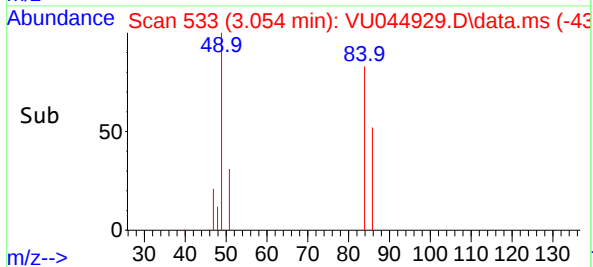
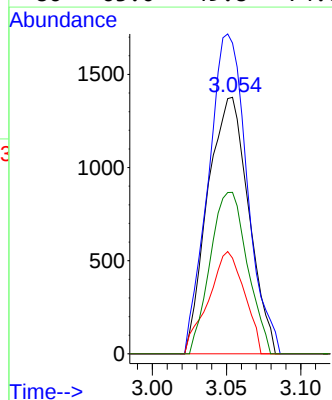
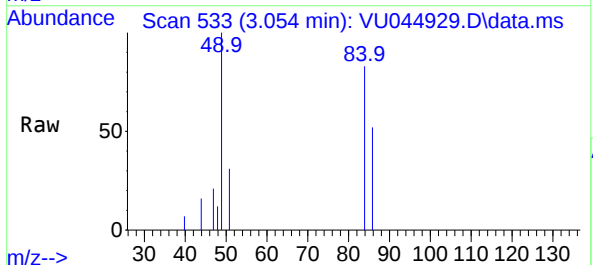
Manual Integrations  
APPROVED

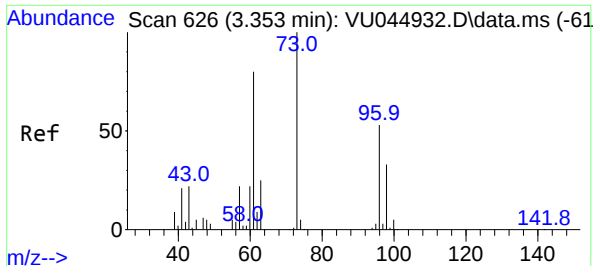
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#20  
Methylene Chloride  
Concen: 0.981 ug/l  
RT: 3.054 min Scan# 533  
Delta R.T. 0.007 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

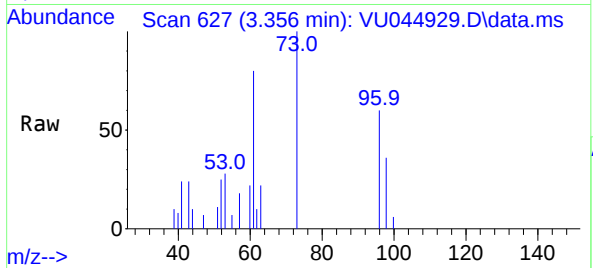
Tgt Ion: 84 Resp: 2633  
Ion Ratio Lower Upper  
84 100  
49 121.1 104.9 157.3  
51 37.3 31.8 47.8  
86 63.0 49.8 74.6





#21  
trans-1,2-Dichloroethene  
Concen: 0.940 ug/l  
RT: 3.356 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

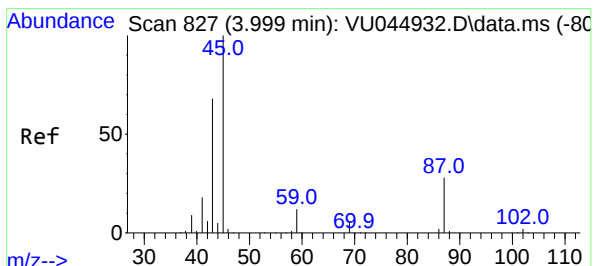
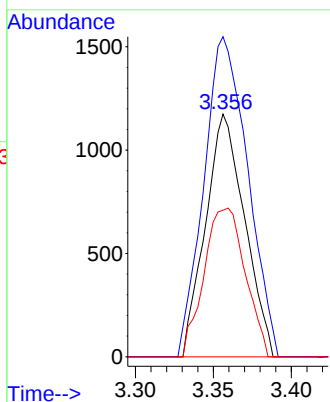
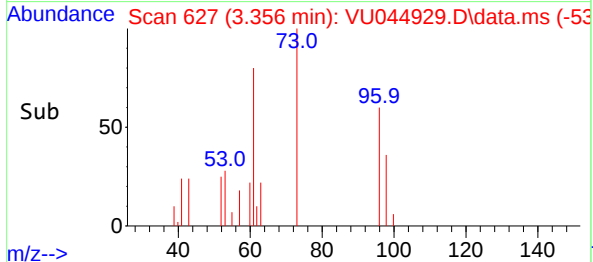
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



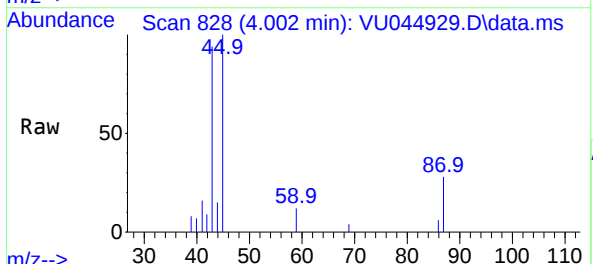
Tgt Ion: 96 Resp: 2050  
Ion Ratio Lower Upper  
96 100  
61 131.9 123.2 184.8  
98 60.4 51.0 76.6

Manual Integrations  
APPROVED

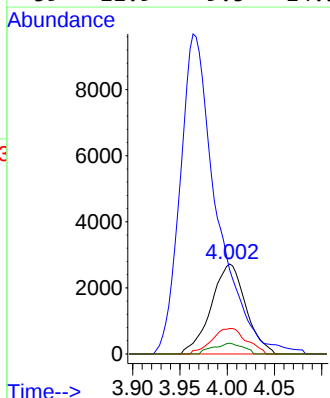
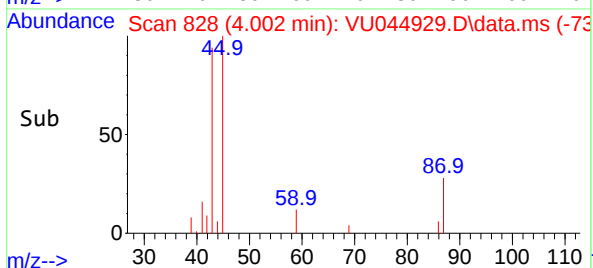
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

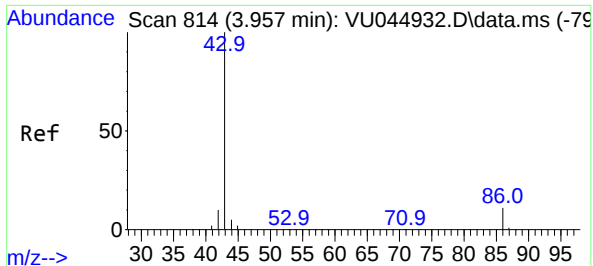


#22  
Diisopropyl ether  
Concen: 0.892 ug/l  
RT: 4.002 min Scan# 828  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion: 45 Resp: 6919  
Ion Ratio Lower Upper  
45 100  
43 84.4 62.3 93.5  
87 28.3 21.0 31.4  
59 11.9 9.5 14.3





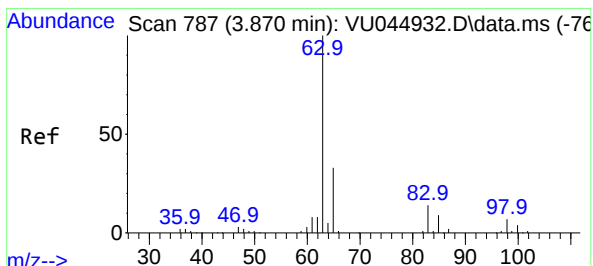
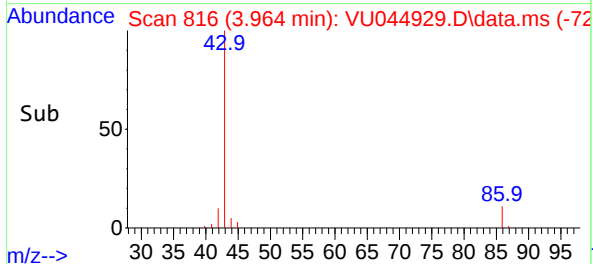
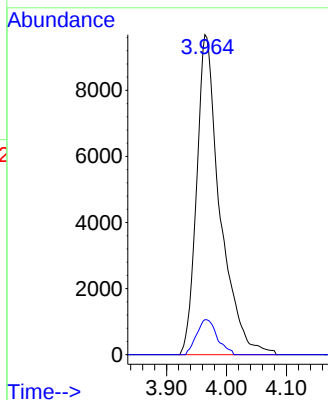
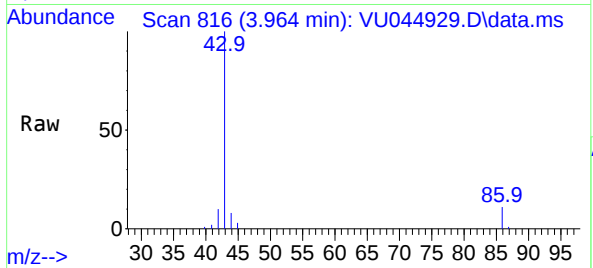
#23  
 Vinyl Acetate  
 Concen: 4.125 ug/l  
 RT: 3.964 min Scan# 814  
 Delta R.T. 0.007 min  
 Lab File: VU044929.D  
 Acq: 28 Sep 2021 10:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC001

Tgt Ion: 43 Resp: 26208  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 8.2 12.4

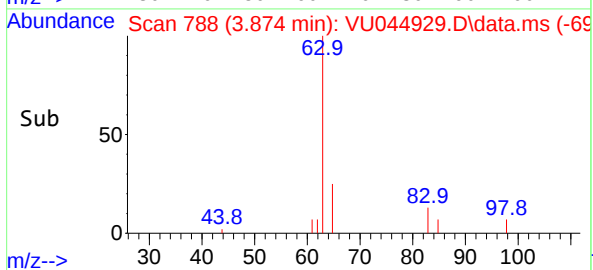
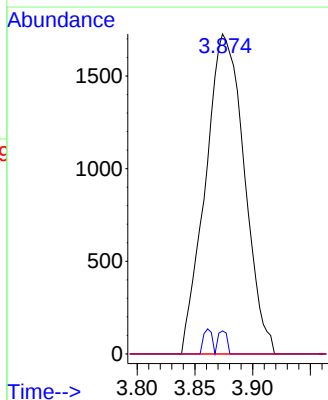
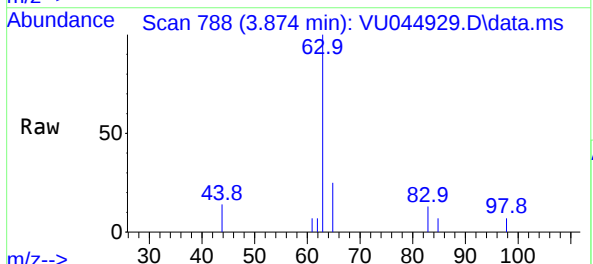
Manual Integrations  
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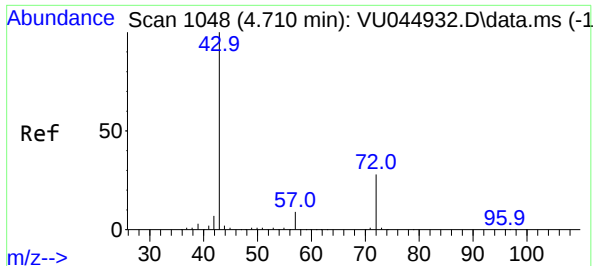
Reviewed By :John Carlone 09/29/2021  
 Supervised By :Mahesh Dadoda 09/30/2021



#24  
 1,1-Dichloroethane  
 Concen: 0.896 ug/l  
 RT: 3.874 min Scan# 788  
 Delta R.T. 0.003 min  
 Lab File: VU044929.D  
 Acq: 28 Sep 2021 10:14

Tgt Ion: 63 Resp: 4031  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.5 10.4  
 100 0.0 2.1 6.3





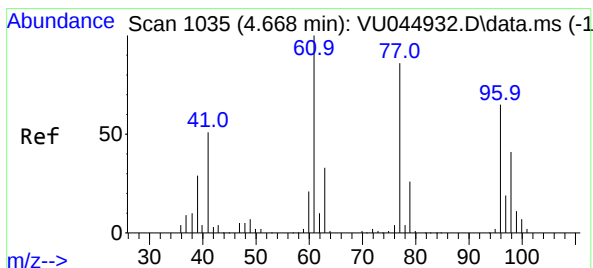
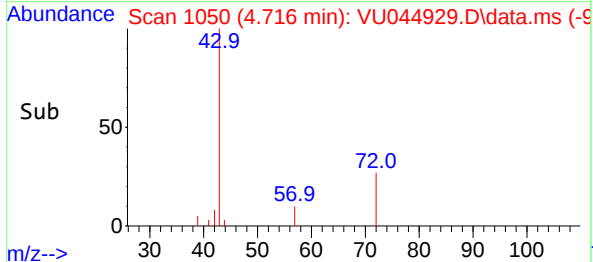
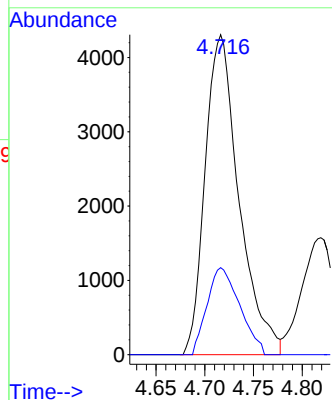
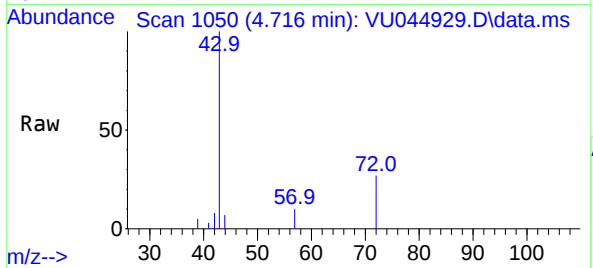
#25  
2-Butanone  
Concen: 4.157 ug/l  
RT: 4.716 min Scan# 1041  
Delta R.T. 0.007 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 43 Resp: 1041  
Ion Ratio Lower Upper  
43 100  
72 27.2 21.3 31.9

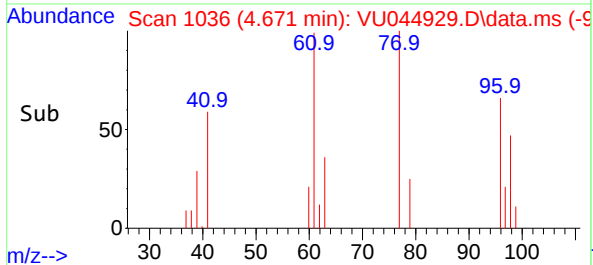
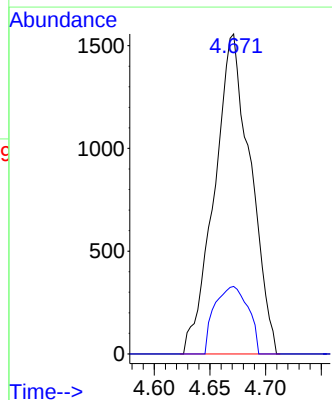
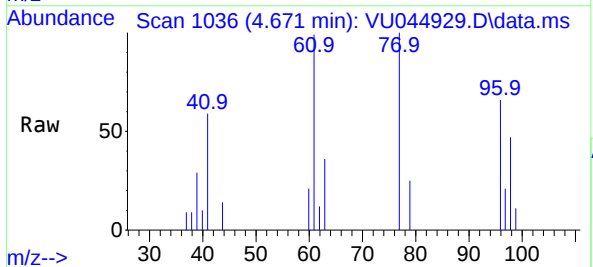
Manual Integrations  
APPROVED

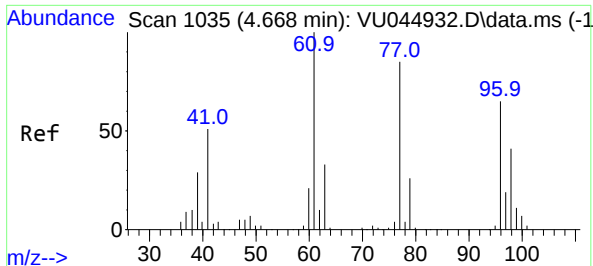
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#26  
2,2-Dichloropropane  
Concen: 1.015 ug/l  
RT: 4.671 min Scan# 1036  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

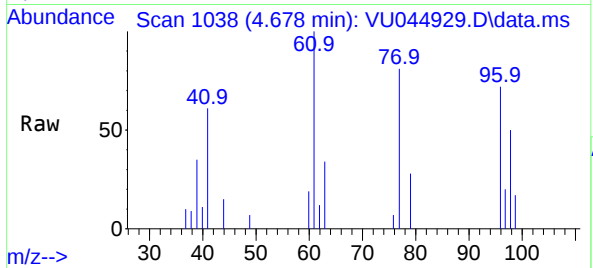
Tgt Ion: 77 Resp: 3513  
Ion Ratio Lower Upper  
77 100  
97 19.5 10.8 32.4





cis-1,2-Dichloroethene  
Concen: 0.928 ug/l  
RT: 4.678 min Scan# 11035  
Delta R.T. 0.010 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

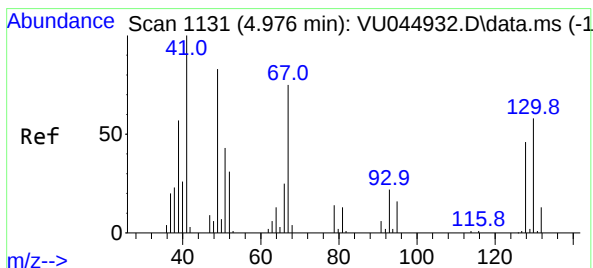
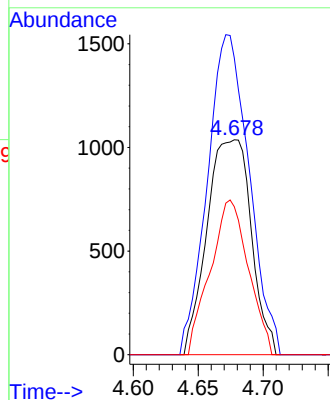
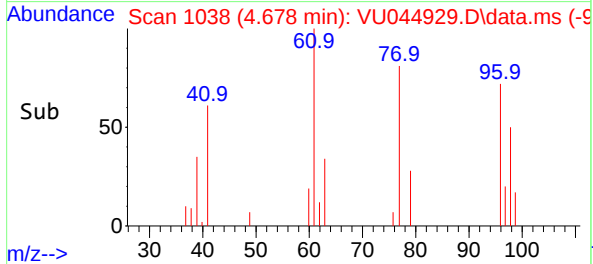
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



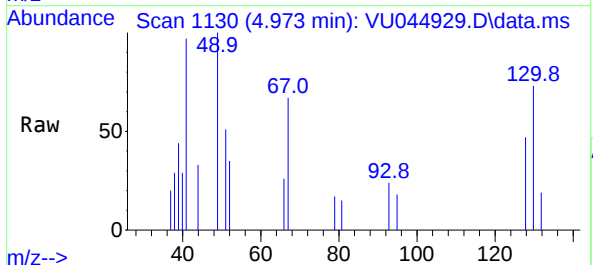
Tgt Ion: 96 Resp: 2460  
Ion Ratio Lower Upper  
96 100  
61 139.9 0.0 313.4  
98 62.0 0.0 127.0

Manual Integrations  
APPROVED

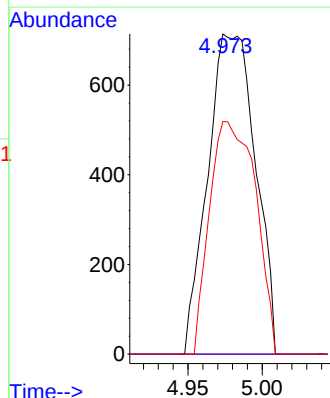
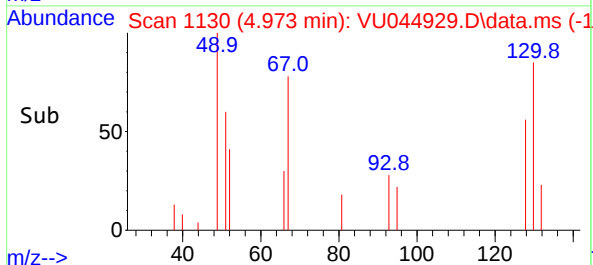
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

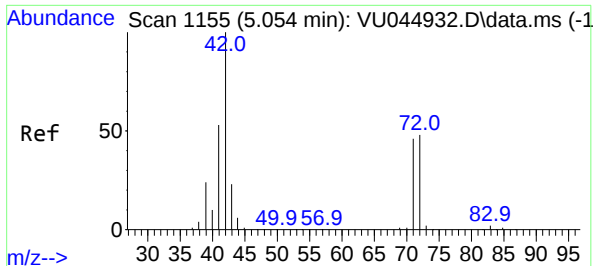


Bromochloromethane  
Concen: 0.763 ug/l  
RT: 4.973 min Scan# 1130  
Delta R.T. -0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion: 49 Resp: 1596  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 3.2  
130 70.2 53.4 80.2





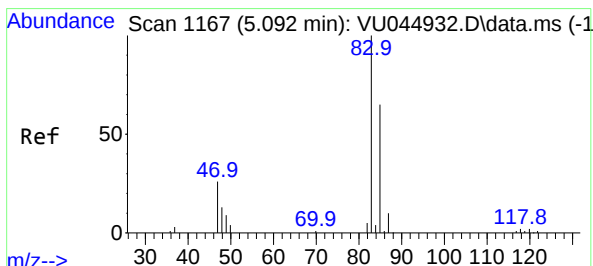
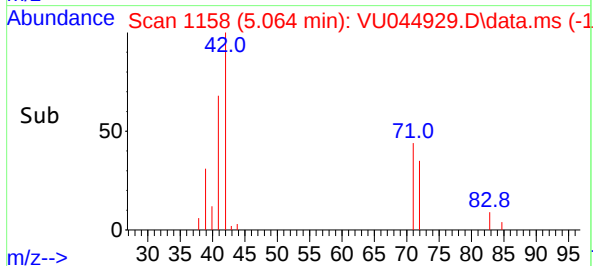
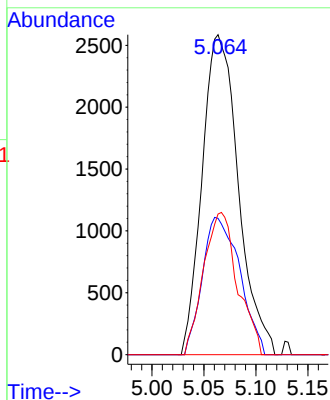
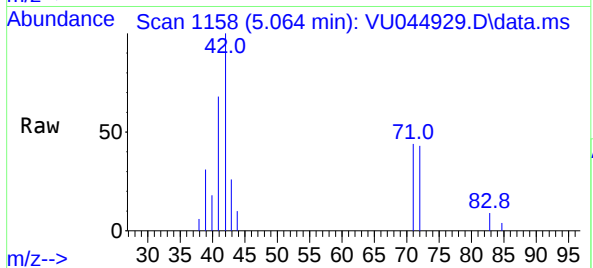
#29  
Tetrahydrofuran  
Concen: 4.031 ug/l  
RT: 5.064 min Scan# 1158  
Delta R.T. 0.010 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 42 Resp: 6272  
Ion Ratio Lower Upper  
42 100  
72 44.3 36.2 54.4  
71 41.7 34.1 51.1

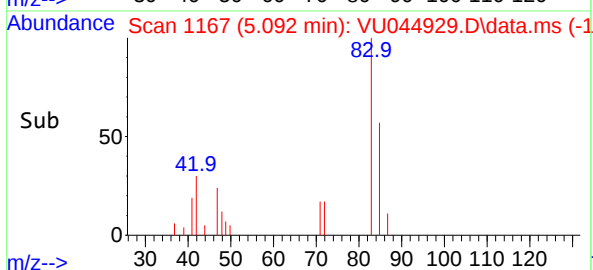
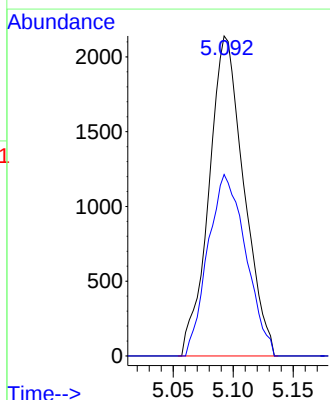
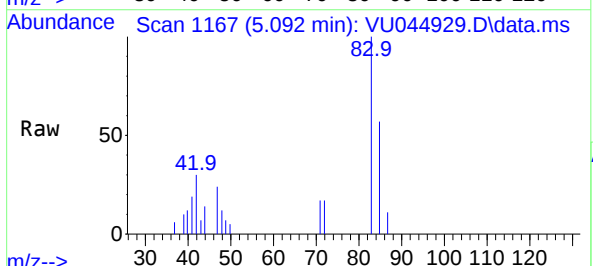
Manual Integrations  
APPROVED

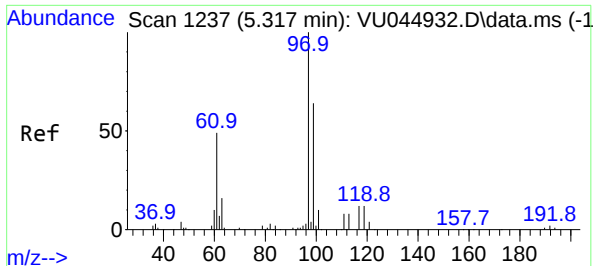
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#30  
Chloroform  
Concen: 0.949 ug/l  
RT: 5.092 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Tgt Ion: 83 Resp: 4323  
Ion Ratio Lower Upper  
83 100  
85 56.7 52.1 78.1





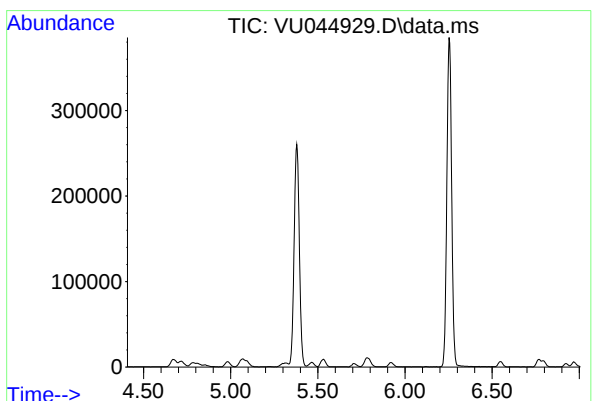
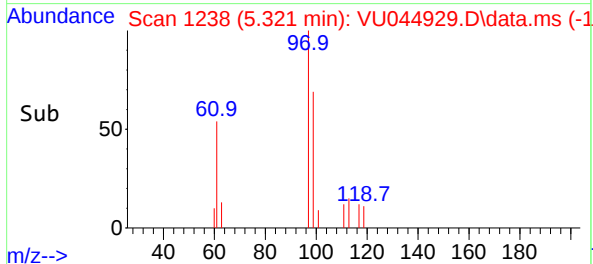
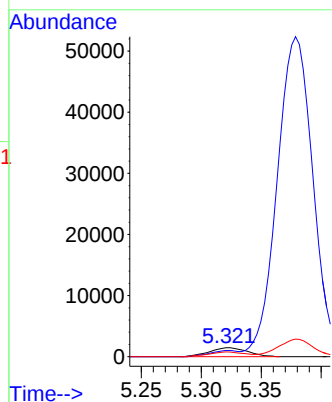
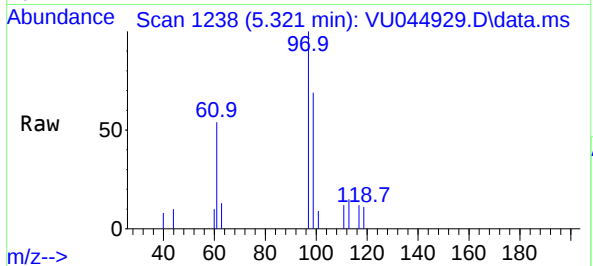
#32  
1,1,1-Trichloroethane  
Concen: 0.880 ug/l  
RT: 5.321 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 97 Resp: 324  
Ion Ratio Lower Upper  
97 100  
99 0.0 50.9 76.3  
61 52.1 40.7 61.1

Manual Integrations  
APPROVED

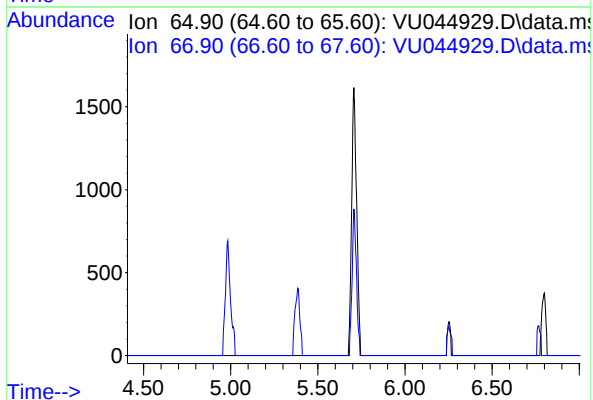
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

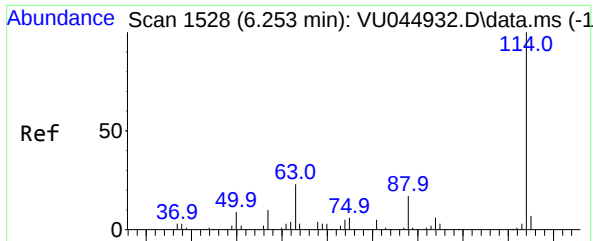


#33  
1,2-Dichloroethane-d4  
Concen: 0.000 ug/l  
Expected RT: 5.71 min

Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

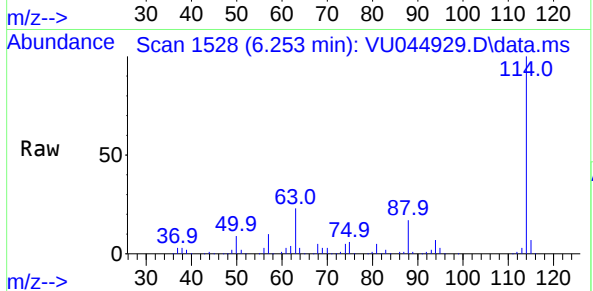
Tgt Ion: 65  
Sig Exp Ratio  
65 100  
67 52.4





#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.253 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

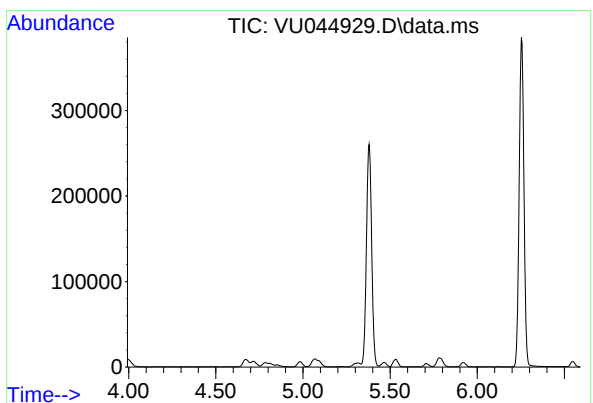
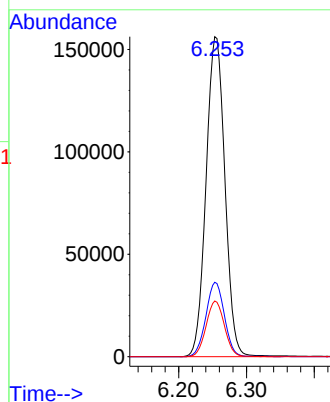
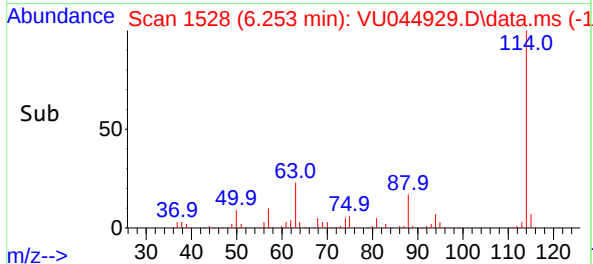
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion:114 Resp: 301390  
Ion Ratio Lower Upper  
114 100  
63 23.2 0.0 47.8  
88 17.4 0.0 32.8

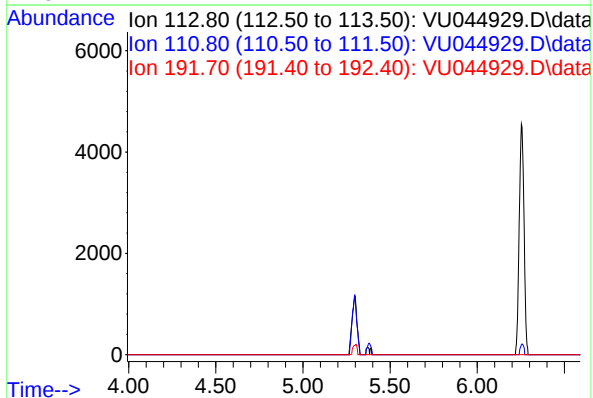
Manual Integrations  
APPROVED

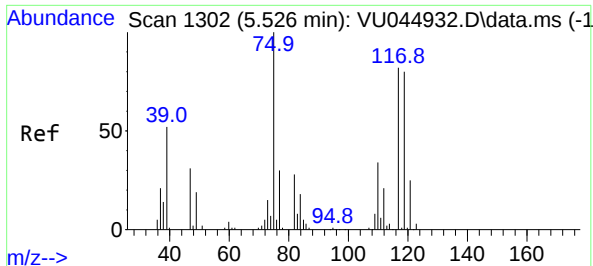
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#35  
Dibromofluoromethane  
Concen: 0.000 ug/l  
Expected RT: 5.29 min  
  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

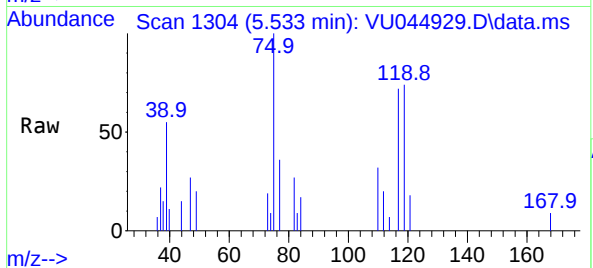
Tgt Ion: 113  
Sig Exp Ratio  
113 100  
111 105.1  
192 18.5





#36  
1,1-Dichloropropene  
Concen: 0.909 ug/l  
RT: 5.533 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

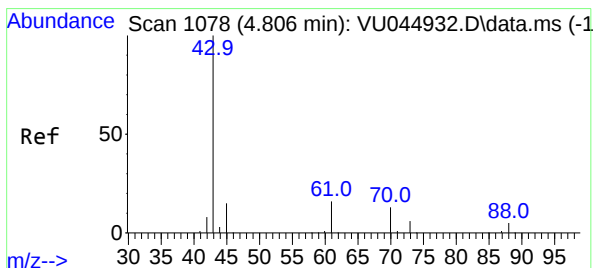
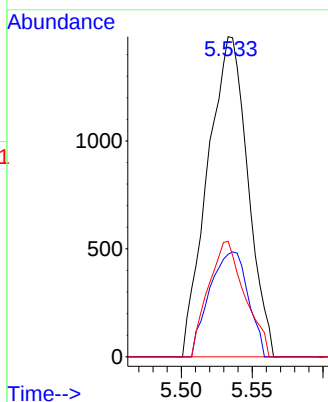
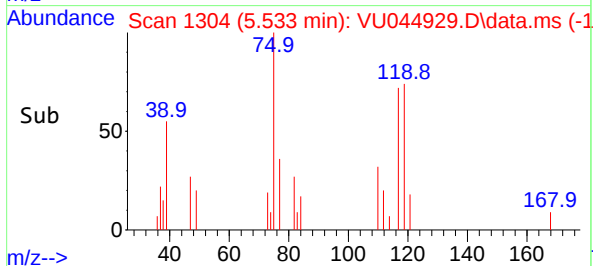
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



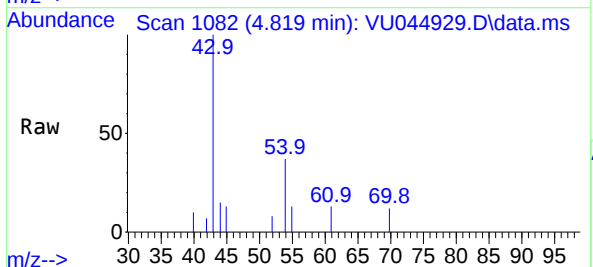
Tgt Ion: 75 Resp: 292  
Ion Ratio Lower Upper  
75 100  
110 31.4 16.3 48.9  
77 32.8 25.0 37.4

Manual Integrations  
APPROVED

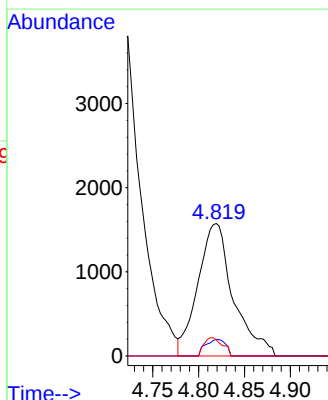
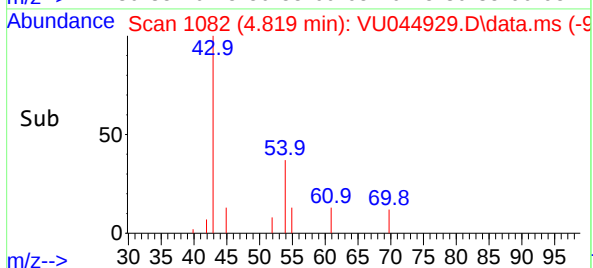
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

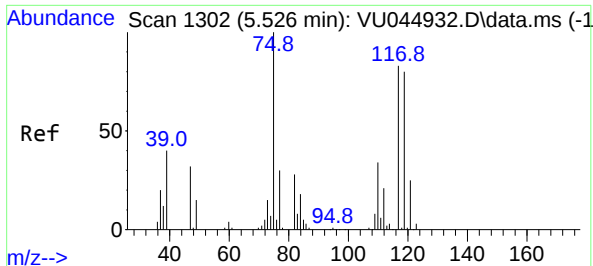


#37  
Ethyl Acetate  
Concen: 0.911 ug/l  
RT: 4.819 min Scan# 1082  
Delta R.T. 0.013 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



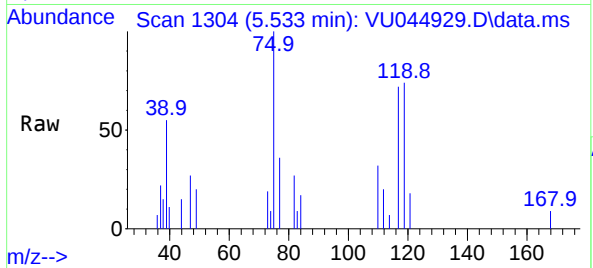
Tgt Ion: 43 Resp: 4223  
Ion Ratio Lower Upper  
43 100  
61 7.1 10.9 16.3#  
70 7.2 8.2 12.4#





#38  
Carbon Tetrachloride  
Concen: 0.819 ug/l  
RT: 5.533 min Scan# 117  
Delta R.T. 0.007 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

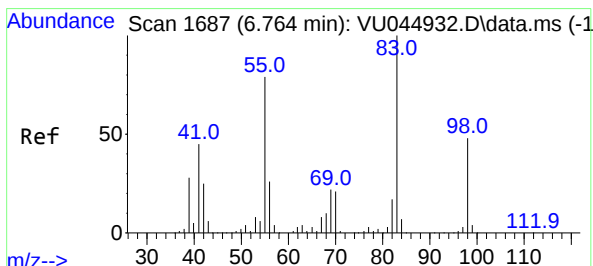
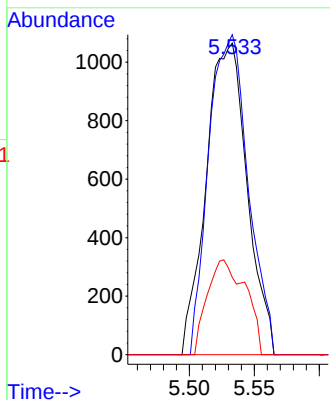
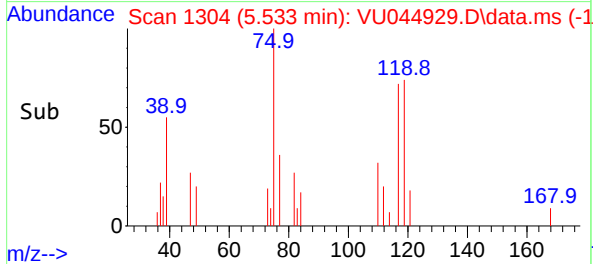
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



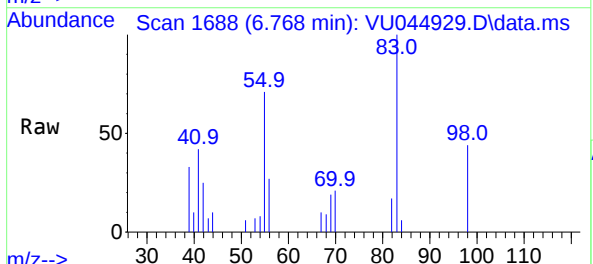
Tgt Ion: 117 Resp: 234  
Ion Ratio Lower Upper  
117 100  
119 102.7 77.4 116.2  
121 24.8 24.5 36.7

Manual Integrations  
APPROVED

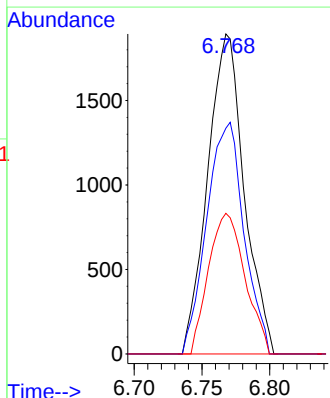
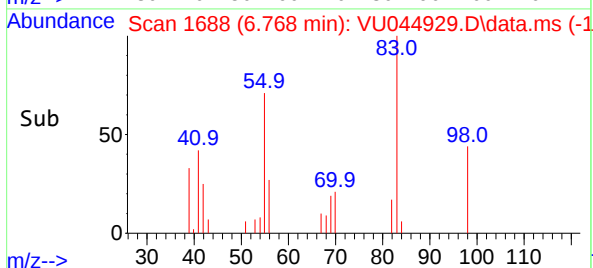
Reviewed By : John Carlone 09/29/2021  
Supervised By : Mahesh Dadoda 09/30/2021

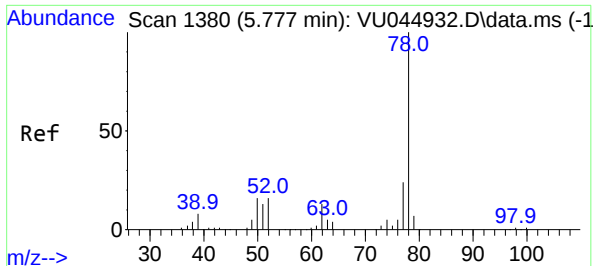


#39  
Methylcyclohexane  
Concen: 0.965 ug/l  
RT: 6.768 min Scan# 1688  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion: 83 Resp: 3547  
Ion Ratio Lower Upper  
83 100  
55 70.5 66.2 99.4  
98 43.9 37.5 56.3





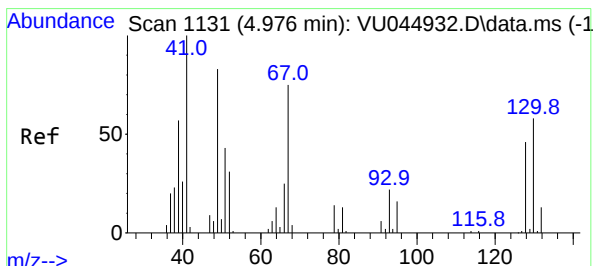
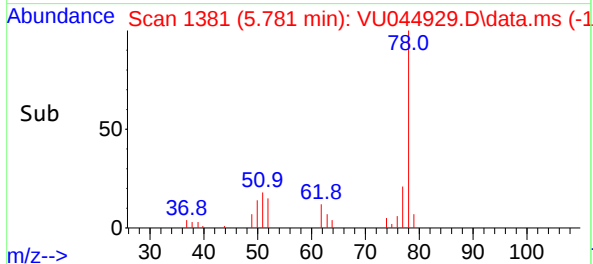
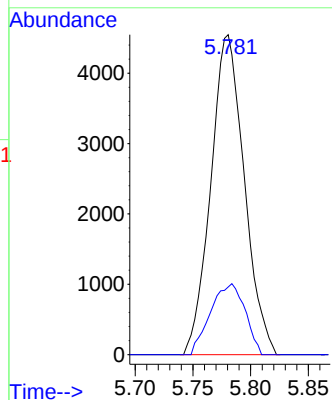
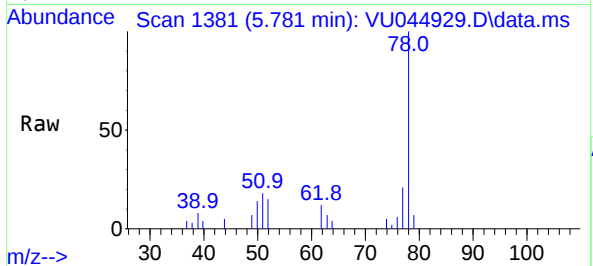
#40  
Benzene  
Concen: 0.938 ug/l  
RT: 5.781 min Scan# 1134  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 78 Resp: 916  
Ion Ratio Lower Upper  
78 100  
77 21.2 19.1 28.7

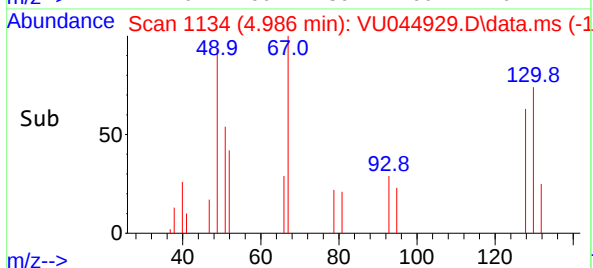
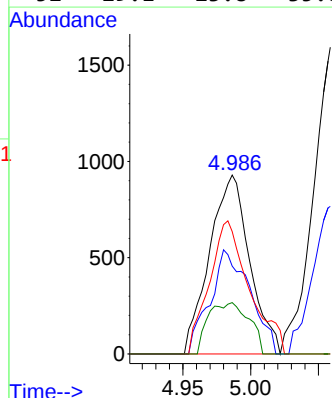
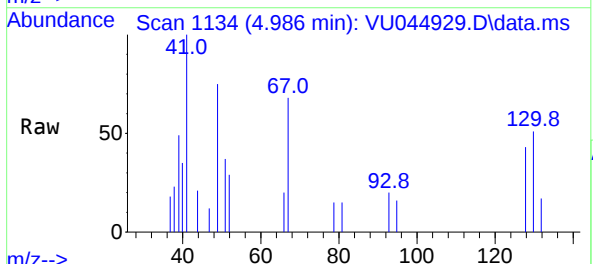
Manual Integrations  
APPROVED

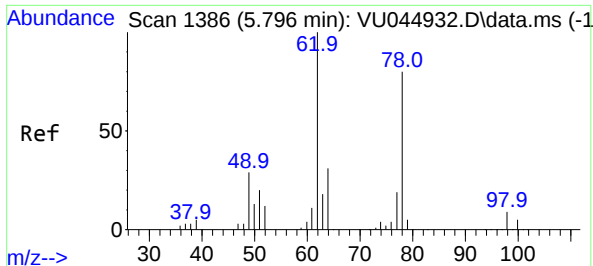
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#41  
Methacrylonitrile  
Concen: 0.824 ug/l  
RT: 4.986 min Scan# 1134  
Delta R.T. 0.010 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Tgt Ion: 41 Resp: 1913  
Ion Ratio Lower Upper  
41 100  
39 58.3 44.4 66.6  
67 74.3 58.1 87.1  
52 29.1 23.8 35.8





#42

1,2-Dichloroethane

Concen: 0.924 ug/l

RT: 5.800 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU044929.D

Acq: 28 Sep 2021 10:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 3562

Ion Ratio Lower Upper

62 100

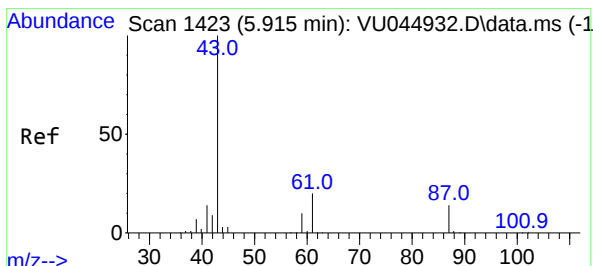
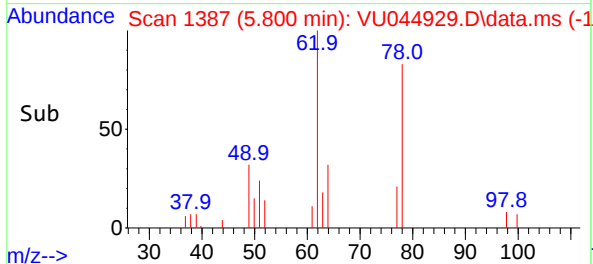
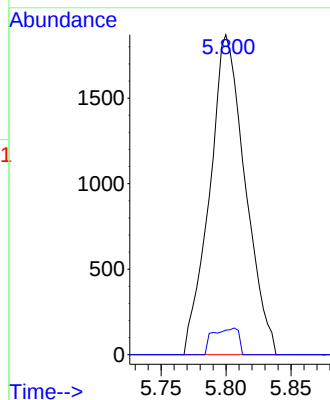
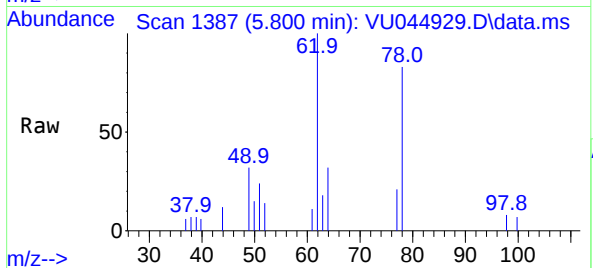
98 6.0 0.0 17.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/29/2021

Supervised By :Mahesh Dadoda 09/30/2021



#43

Isopropyl Acetate

Concen: 0.859 ug/l

RT: 5.916 min Scan# 1423

Delta R.T. 0.000 min

Lab File: VU044929.D

Acq: 28 Sep 2021 10:14

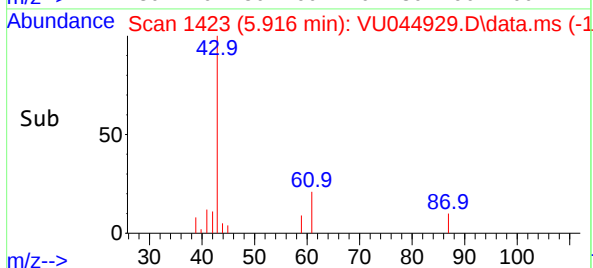
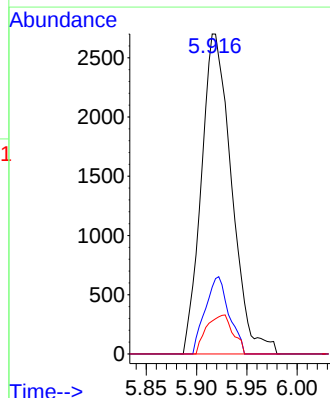
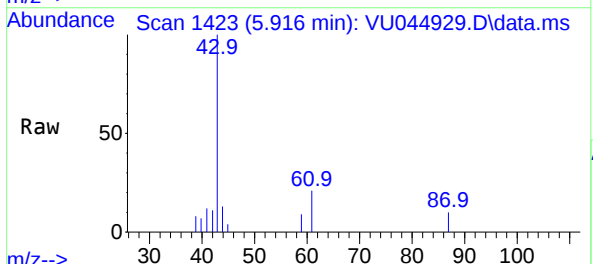
Tgt Ion: 43 Resp: 5642

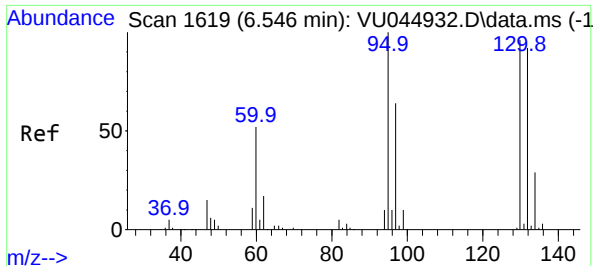
Ion Ratio Lower Upper

43 100

61 19.0 16.1 24.1

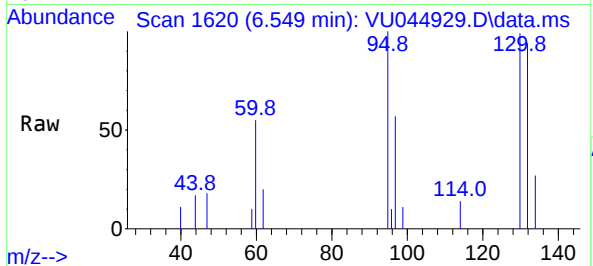
87 10.7 10.3 15.5





#44  
Trichloroethene  
Concen: 0.911 ug/l  
RT: 6.549 min Scan# 1619  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

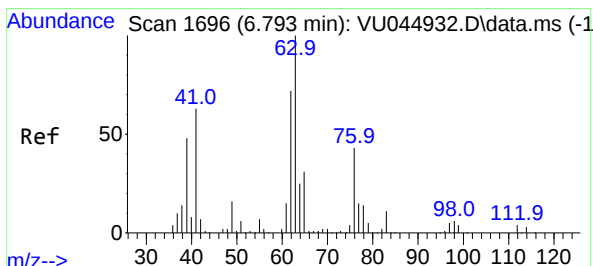
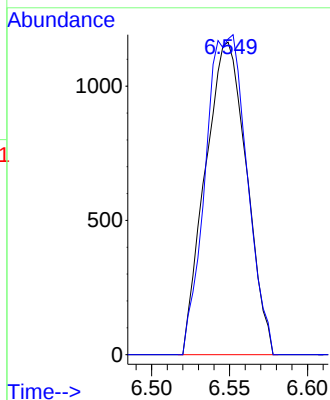
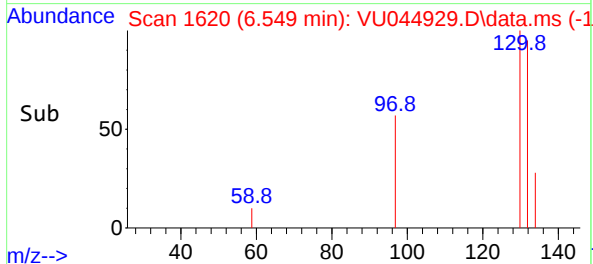
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



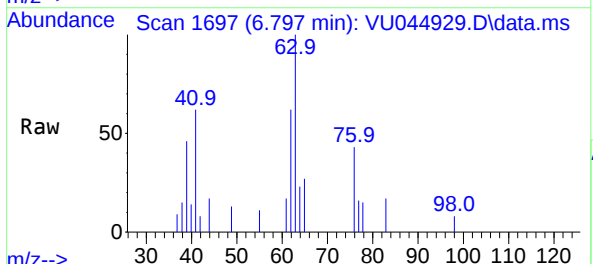
Tgt Ion: 130 Resp: 214  
Ion Ratio Lower Upper  
130 100  
95 101.0 0.0 209.0

Manual Integrations  
APPROVED

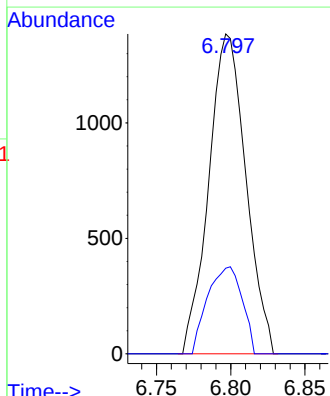
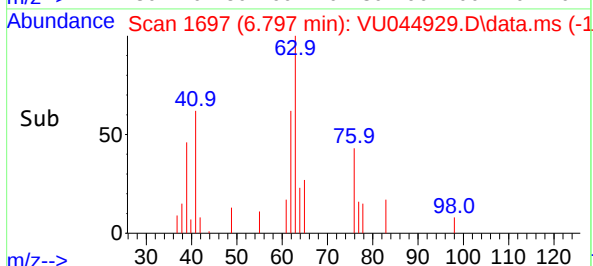
Reviewed By : John Carlone 09/29/2021  
Supervised By : Mahesh Dadoda 09/30/2021

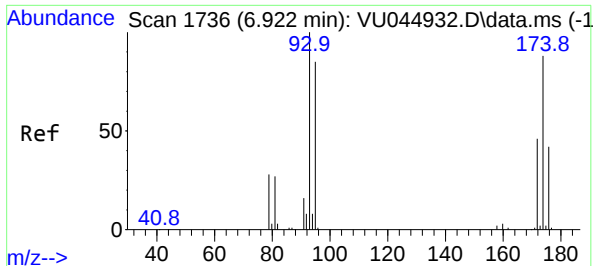


#45  
1,2-Dichloropropane  
Concen: 0.920 ug/l  
RT: 6.797 min Scan# 1697  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



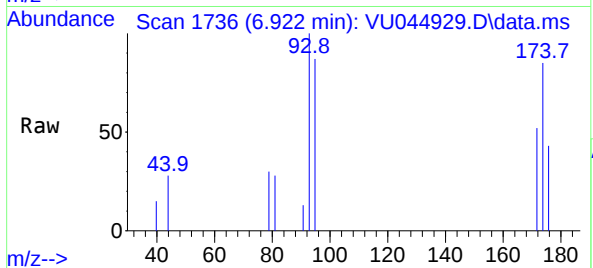
Tgt Ion: 63 Resp: 2408  
Ion Ratio Lower Upper  
63 100  
65 26.8 23.9 35.9





#46  
Dibromomethane  
Concen: 0.858 ug/l  
RT: 6.922 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

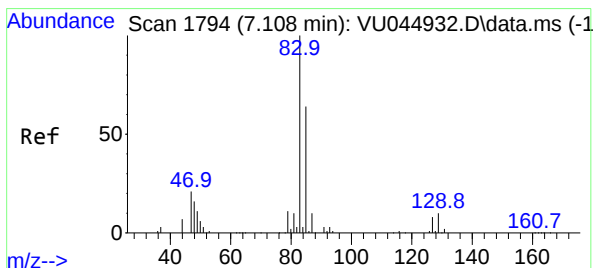
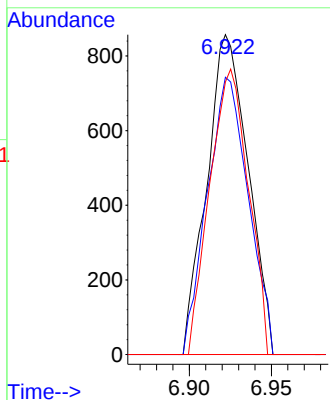
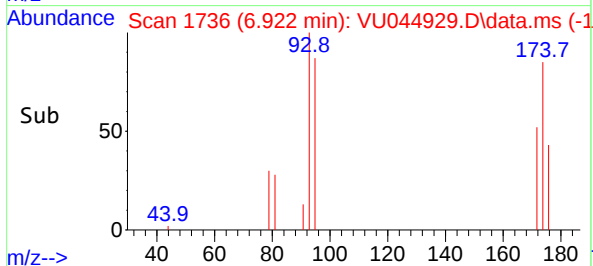
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



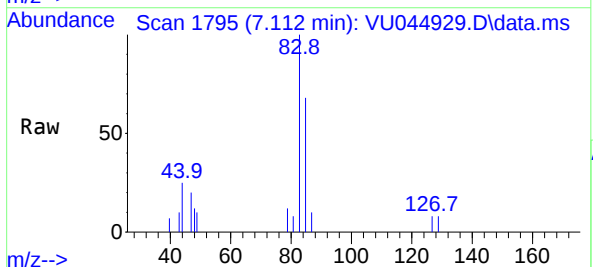
Tgt Ion: 93 Resp: 1502  
Ion Ratio Lower Upper  
93 100  
95 86.1 65.6 98.4  
174 83.4 70.7 106.1

Manual Integrations  
APPROVED

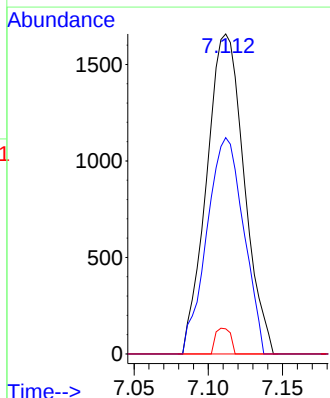
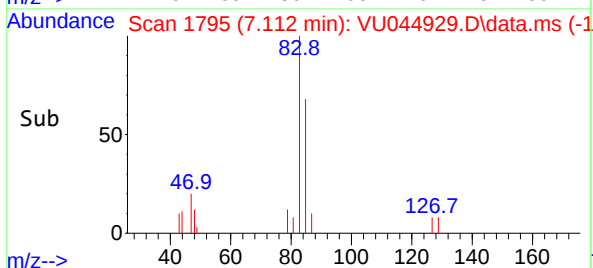
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

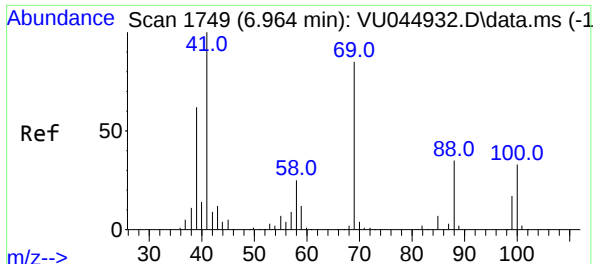


#47  
Bromodichloromethane  
Concen: 0.845 ug/l  
RT: 7.112 min Scan# 1795  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion: 83 Resp: 2914  
Ion Ratio Lower Upper  
83 100  
85 67.6 51.6 77.4  
127 7.8 6.2 9.4





#48

Methyl methacrylate

Concen: 0.890 ug/l

RT: 6.967 min Scan# 1750

Delta R.T. 0.003 min

Lab File: VU044929.D

Acq: 28 Sep 2021 10:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

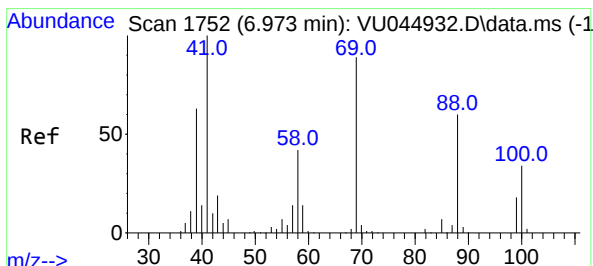
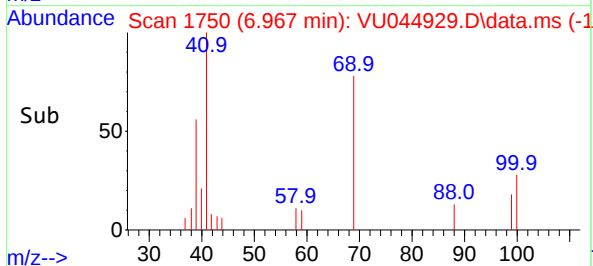
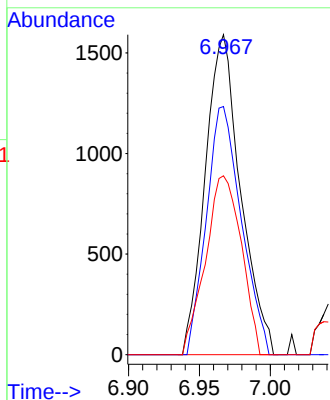
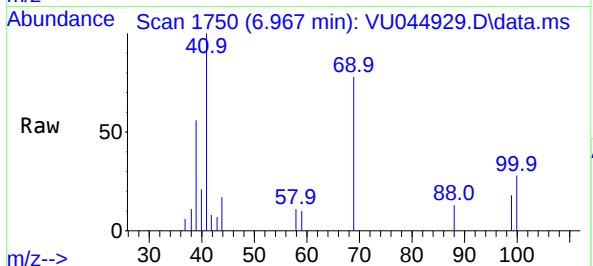
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 276   |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 69 76.7     | 65.6 98.4   |
| 39 56.6     | 46.2 69.4   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/29/2021

Supervised By :Mahesh Dadoda 09/30/2021



#49

1,4-Dioxane

Concen: 9.470 ug/l

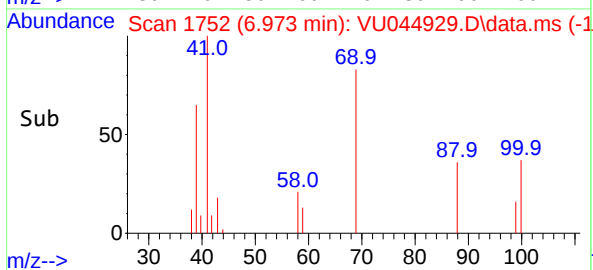
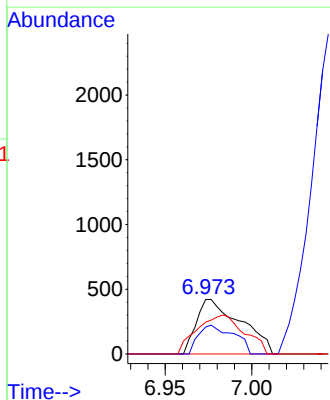
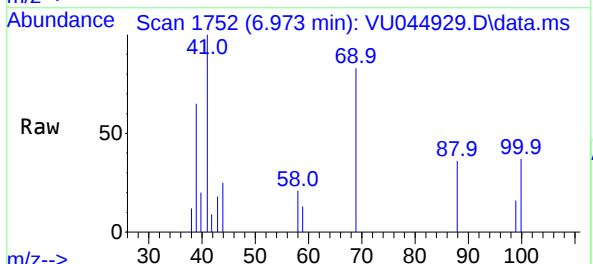
RT: 6.973 min Scan# 1752

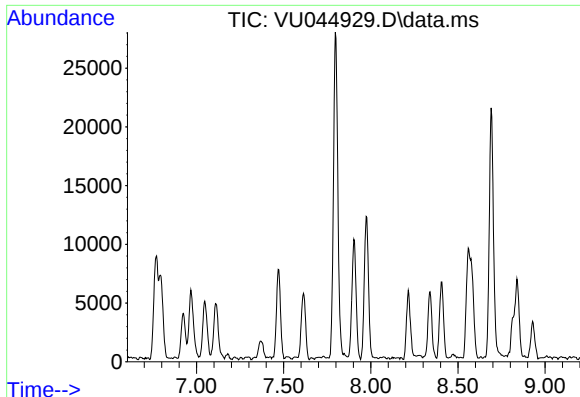
Delta R.T. 0.000 min

Lab File: VU044929.D

Acq: 28 Sep 2021 10:14

|             |             |
|-------------|-------------|
| Tgt Ion: 88 | Resp: 749   |
| Ion Ratio   | Lower Upper |
| 88 100      |             |
| 43 42.2     | 25.8 38.6   |
| 58 76.1     | 61.3 91.9   |





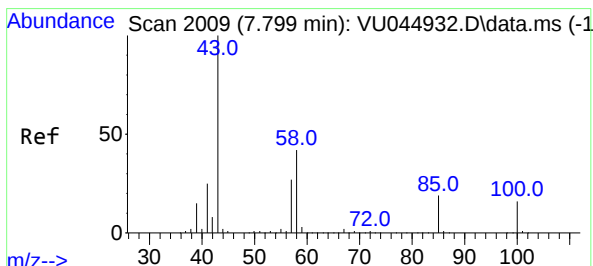
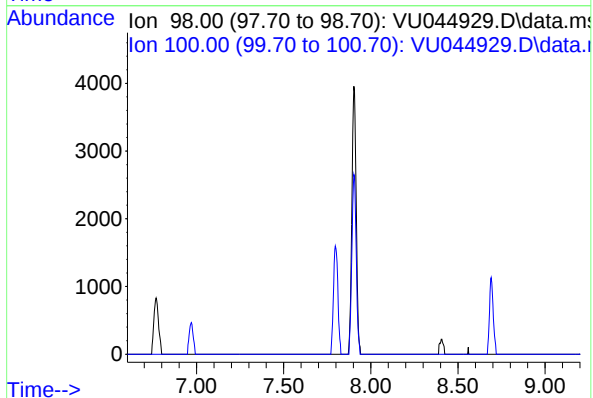
#50  
Toluene-d8  
Concen: 0.000 ug/l  
Expected RT: 7.90 min  
  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 98  
Sig Exp Ratio  
98 100  
100 65.6

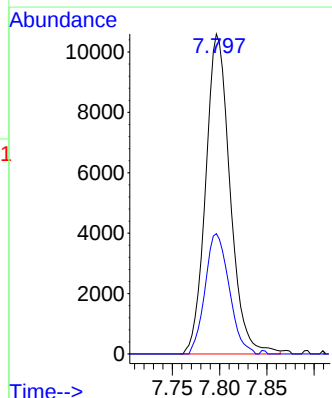
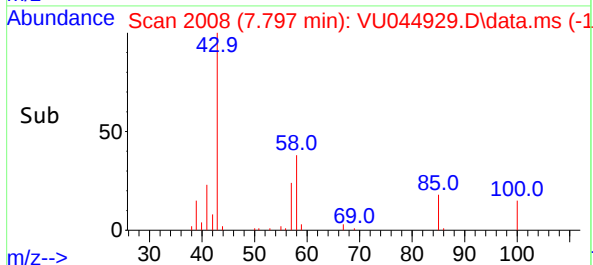
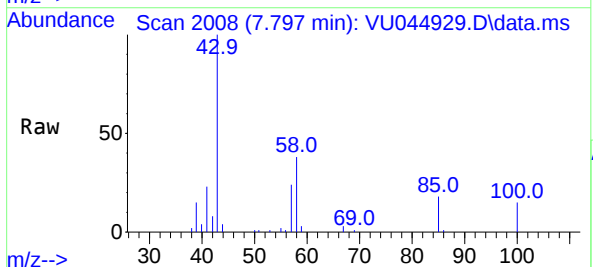
Manual Integrations  
APPROVED

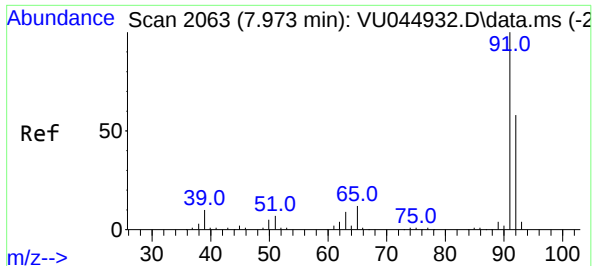
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#51  
4-Methyl-2-Pentanone  
Concen: 4.041 ug/l  
RT: 7.797 min Scan# 2008  
Delta R.T. -0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

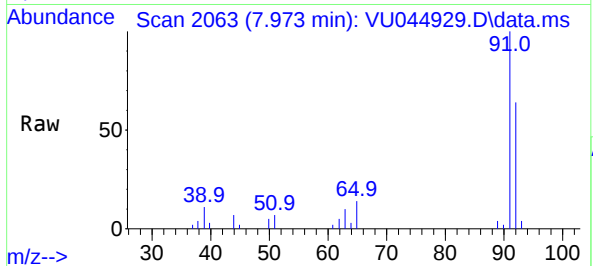
Tgt Ion: 43 Resp: 19000  
Ion Ratio Lower Upper  
43 100  
58 37.1 32.4 48.6





#52  
Toluene  
Concen: 0.942 ug/l  
RT: 7.973 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

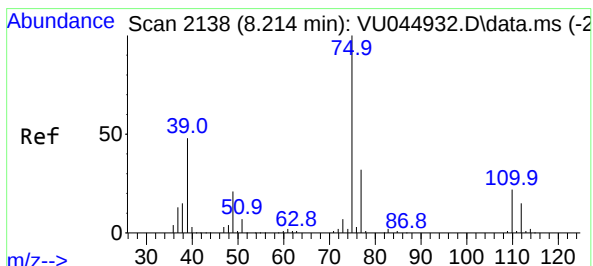
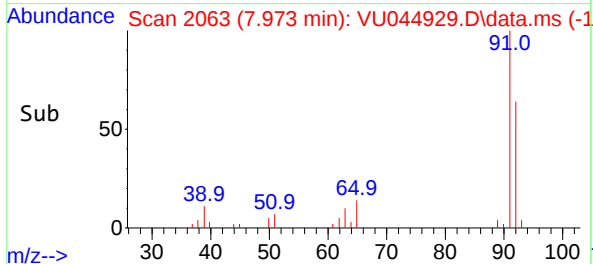
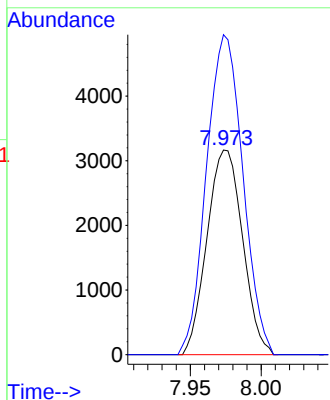
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion: 92 Resp: 5530  
Ion Ratio Lower Upper  
92 100  
91 159.9 136.9 205.3

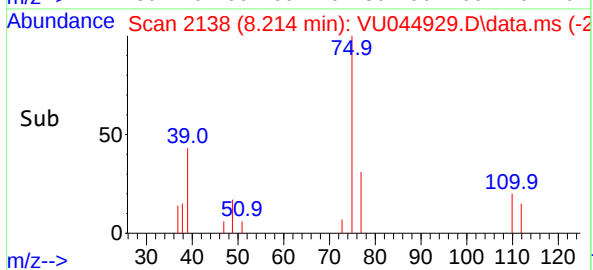
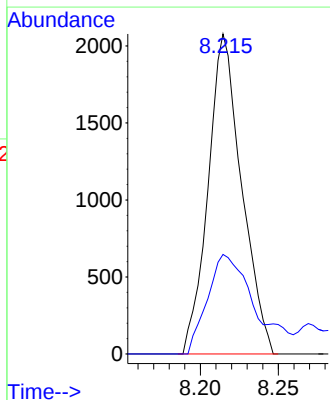
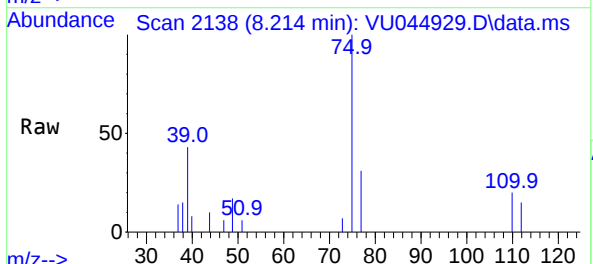
Manual Integrations  
APPROVED

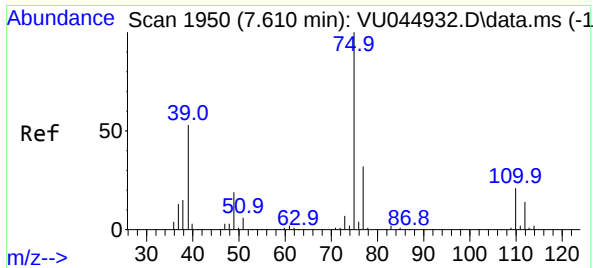
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#53  
t-1,3-Dichloropropene  
Concen: 0.851 ug/l  
RT: 8.214 min Scan# 2138  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Tgt Ion: 75 Resp: 3104  
Ion Ratio Lower Upper  
75 100  
77 31.1 25.6 38.4





#54  
cis-1,3-Dichloropropene  
Concen: 0.853 ug/l  
RT: 7.613 min Scan# 1950  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

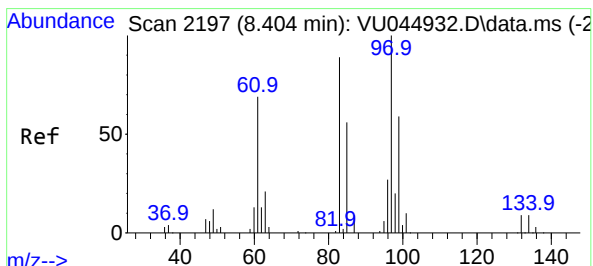
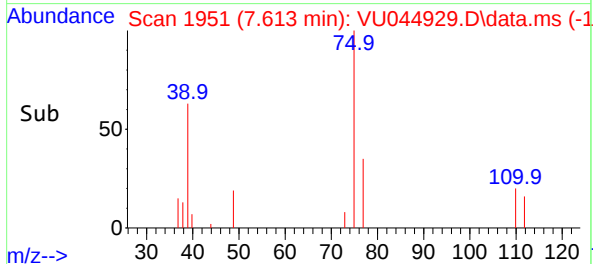
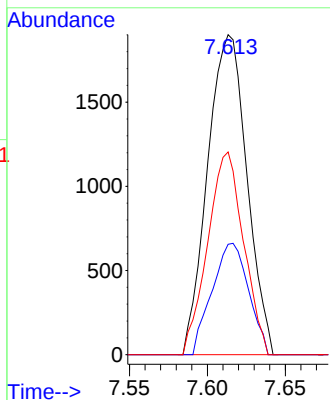
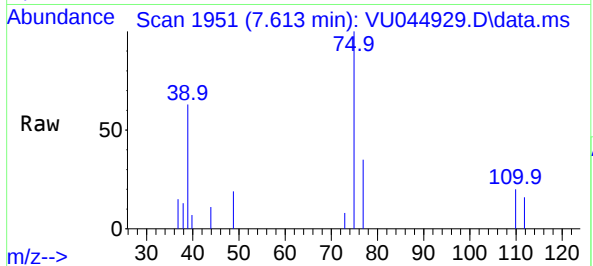
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 75 Resp: 333

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 34.5  | 25.0  | 37.6  |
| 39  | 63.3  | 41.4  | 62.2  |

Manual Integrations  
APPROVED

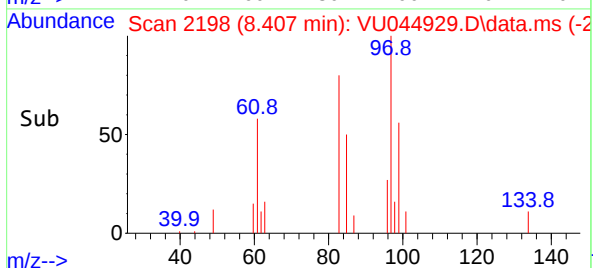
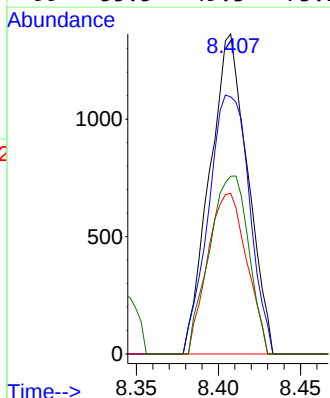
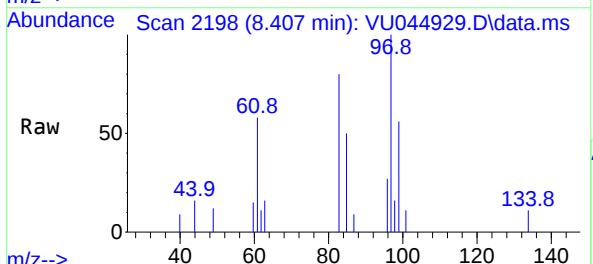
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

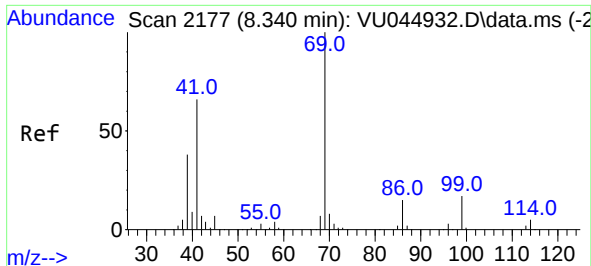


#55  
1,1,2-Trichloroethane  
Concen: 0.875 ug/l  
RT: 8.407 min Scan# 2198  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Tgt Ion: 97 Resp: 2194

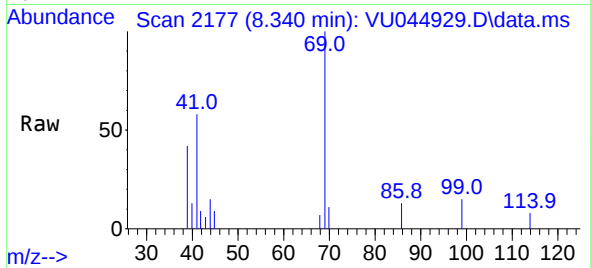
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 80.3  | 69.7  | 104.5 |
| 85  | 50.2  | 44.8  | 67.2  |
| 99  | 55.5  | 49.3  | 73.9  |





#56  
Ethyl methacrylate  
Concen: 0.779 ug/l  
RT: 8.340 min Scan# 2177  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

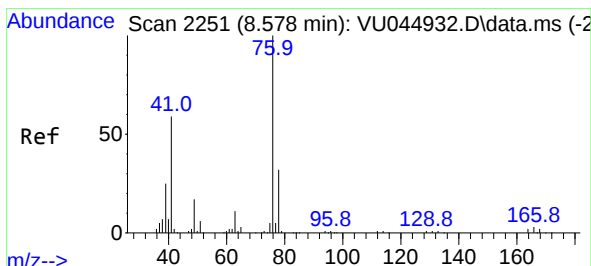
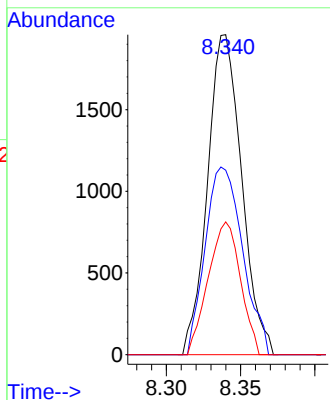
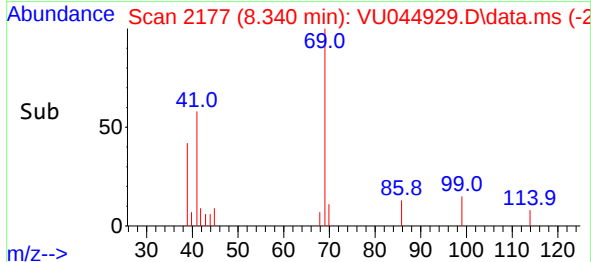
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



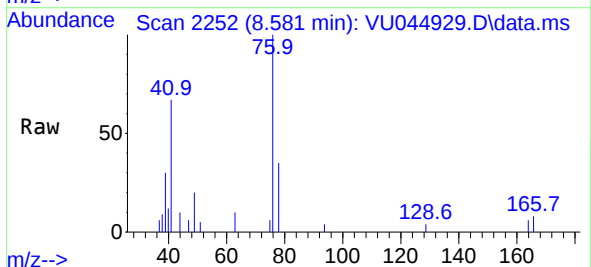
Tgt Ion: 69 Resp: 3135  
Ion Ratio Lower Upper  
69 100  
41 64.3 53.5 80.3  
39 39.1 31.1 46.7

Manual Integrations  
APPROVED

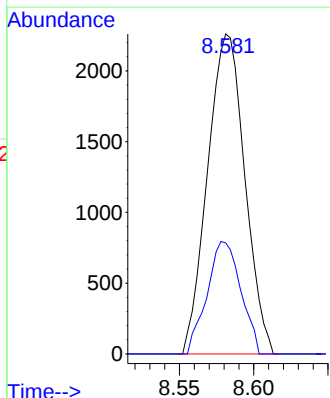
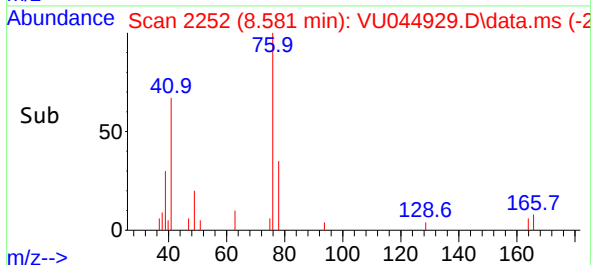
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

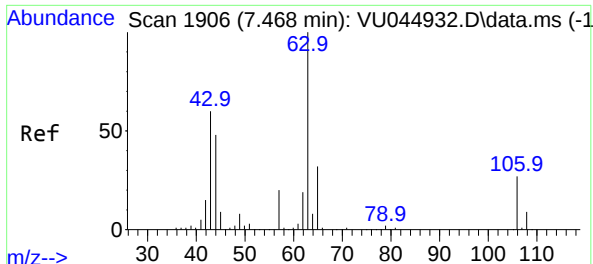


#57  
1,3-Dichloropropane  
Concen: 0.883 ug/l  
RT: 8.581 min Scan# 2252  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion: 76 Resp: 3939  
Ion Ratio Lower Upper  
76 100  
78 31.8 25.7 38.5





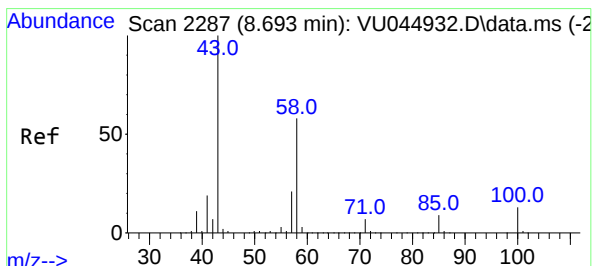
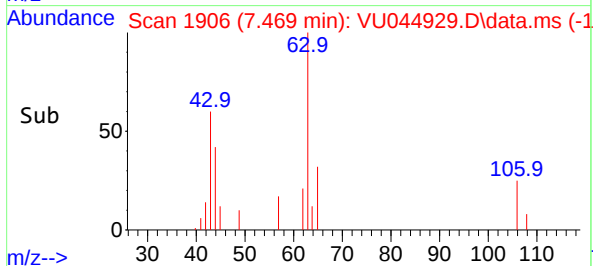
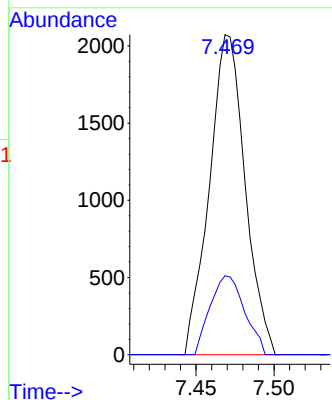
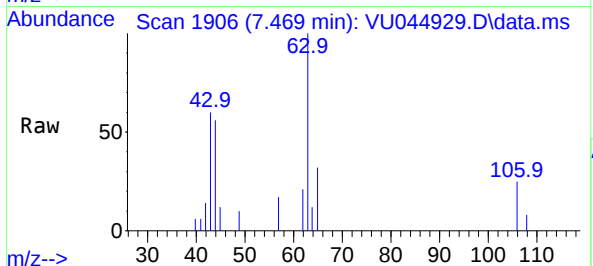
#58  
2-Chloroethyl Vinyl ether  
Concen: 3.452 ug/l  
RT: 7.469 min Scan# 1906  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 63 Resp: 3304  
Ion Ratio Lower Upper  
63 100  
106 23.8 20.5 30.7

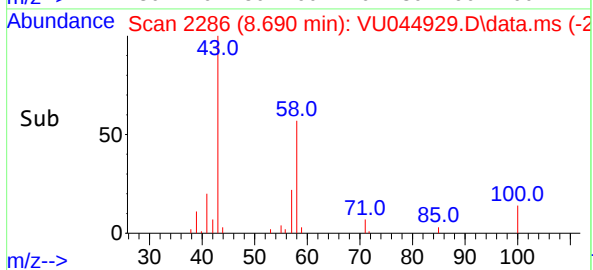
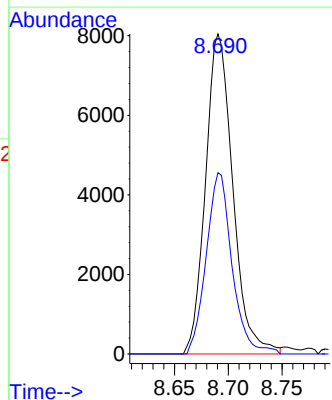
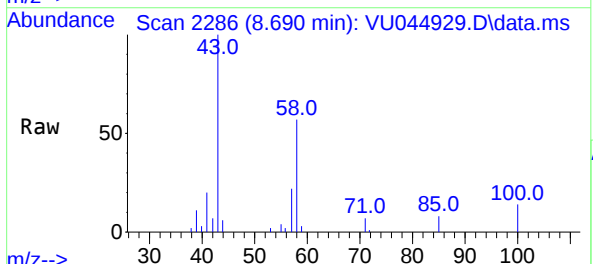
Manual Integrations  
APPROVED

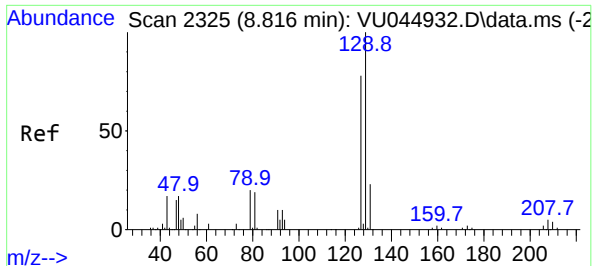
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#59  
2-Hexanone  
Concen: 3.740 ug/l  
RT: 8.690 min Scan# 2286  
Delta R.T. -0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

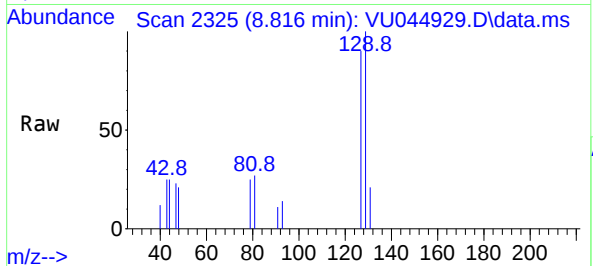
Tgt Ion: 43 Resp: 14221  
Ion Ratio Lower Upper  
43 100  
58 53.5 28.0 84.0





#60  
Dibromochloromethane  
Concen: 0.709 ug/l  
RT: 8.816 min Scan# 2325  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

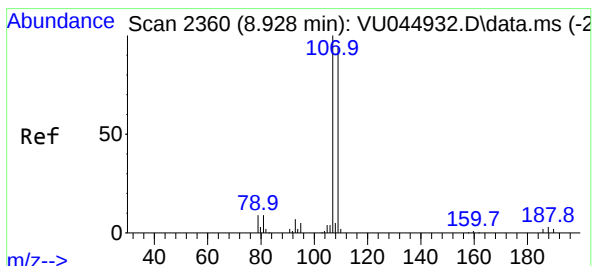
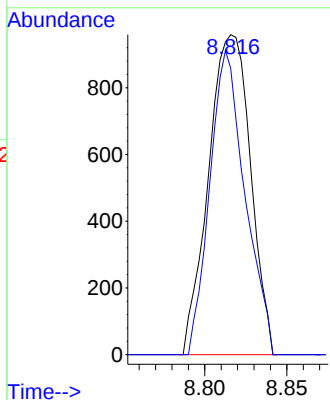
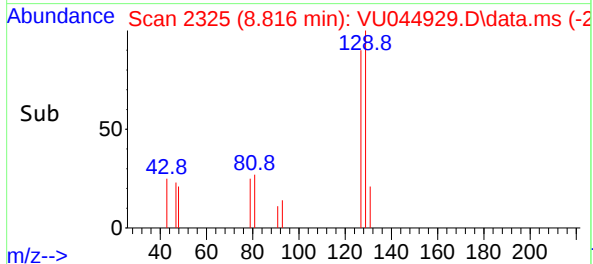
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



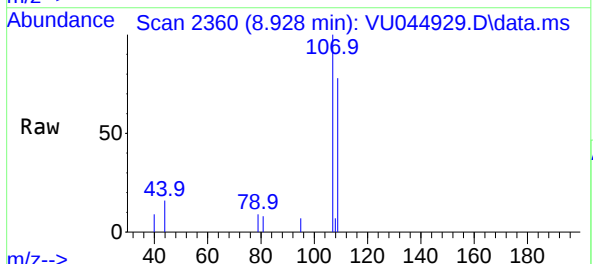
Tgt Ion:129 Resp: 1700  
Ion Ratio Lower Upper  
129 100  
127 79.7 39.0 117.0

Manual Integrations  
APPROVED

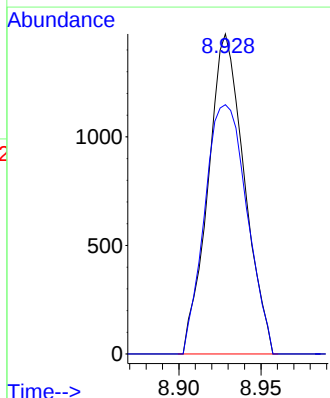
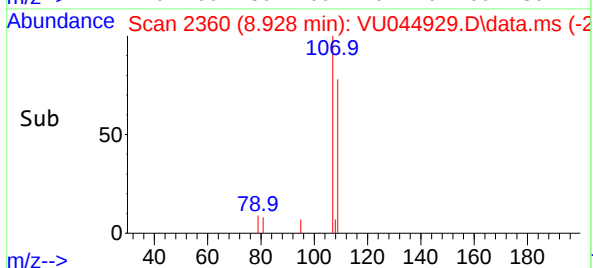
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

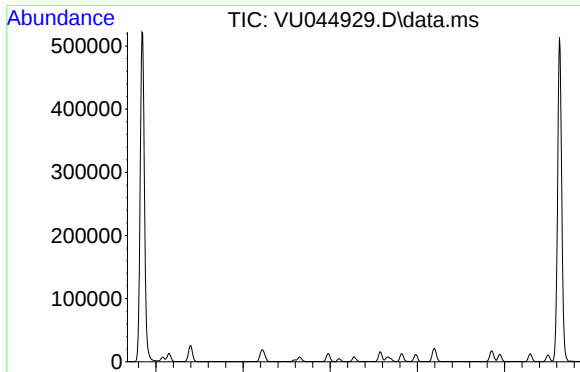


#61  
1,2-Dibromoethane  
Concen: 0.854 ug/l  
RT: 8.928 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion:107 Resp: 2257  
Ion Ratio Lower Upper  
107 100  
109 91.0 74.8 112.2





#62  
4-Bromofluorobenzene  
Concen: 0.000 ug/l  
Expected RT: 10.64 min

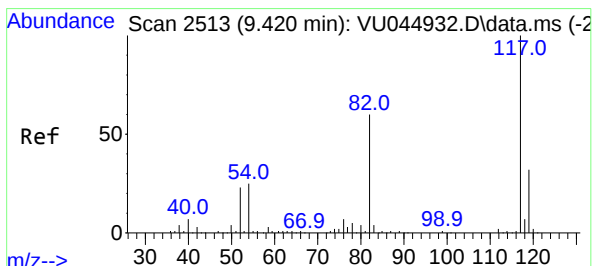
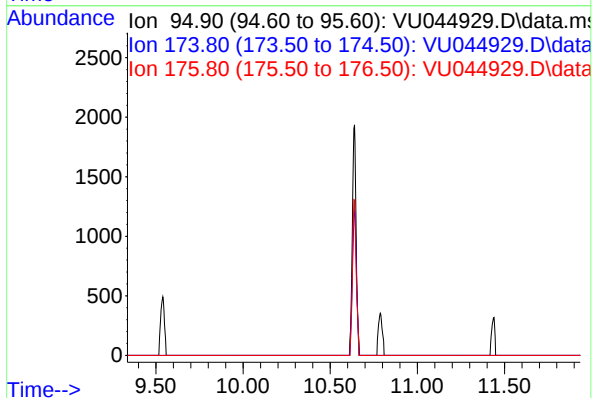
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 95  
Sig Exp Ratio  
95 100  
174 73.3  
176 70.6

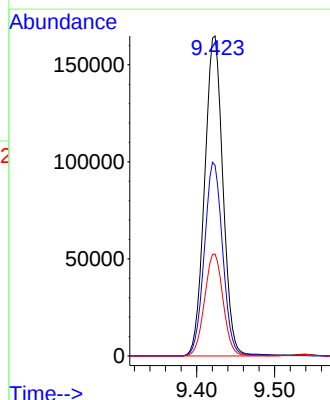
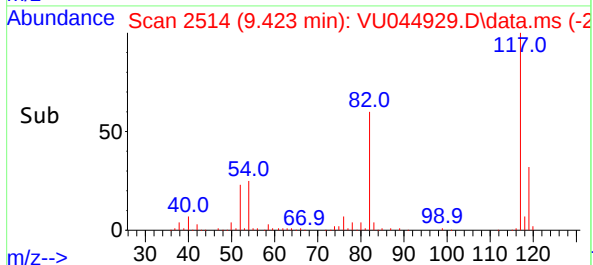
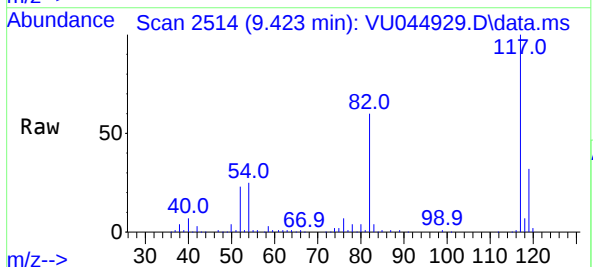
Manual Integrations  
APPROVED

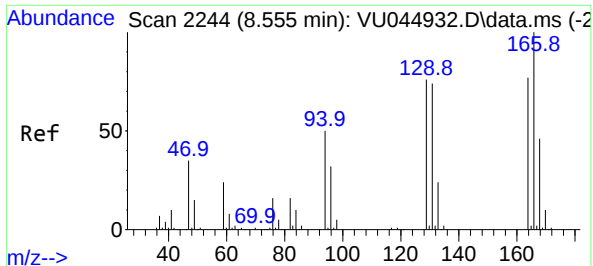
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

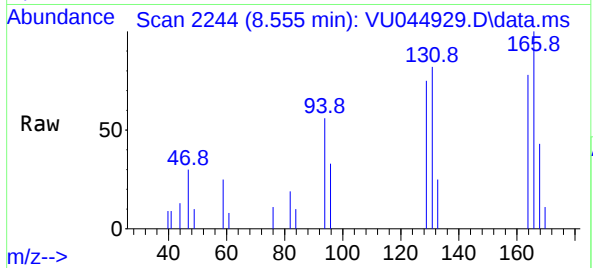
Tgt Ion:117 Resp: 269902  
Ion Ratio Lower Upper  
117 100  
82 59.6 47.8 71.8  
119 31.8 25.8 38.6





#64  
Tetrachloroethene  
Concen: 0.942 ug/l  
RT: 8.555 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

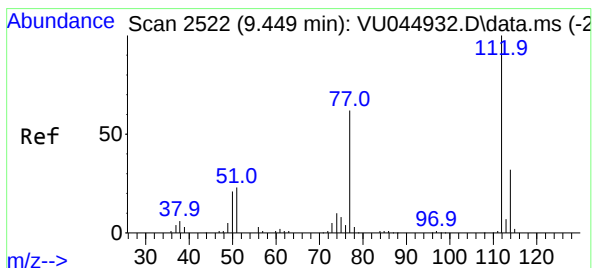
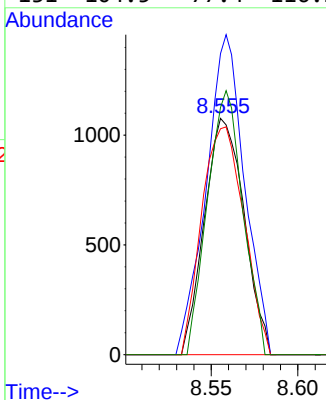
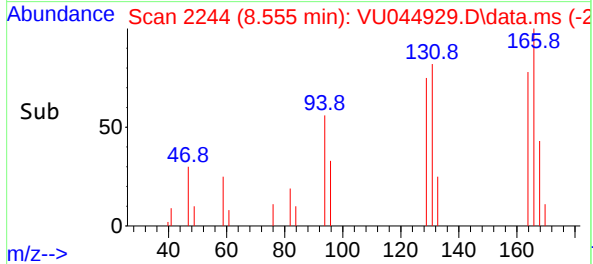
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



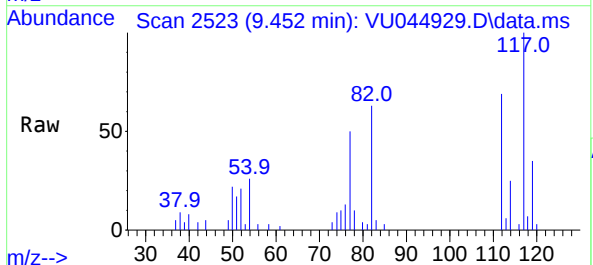
Tgt Ion:164 Resp: 171  
Ion Ratio Lower Upper  
164 100  
166 127.4 102.8 154.2  
129 95.5 79.4 119.2  
131 104.5 77.4 116.2

Manual Integrations  
APPROVED

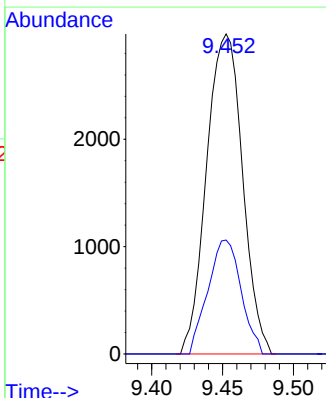
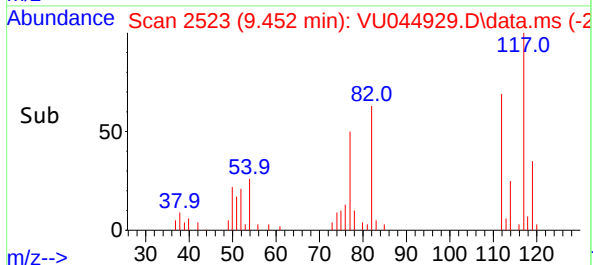
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

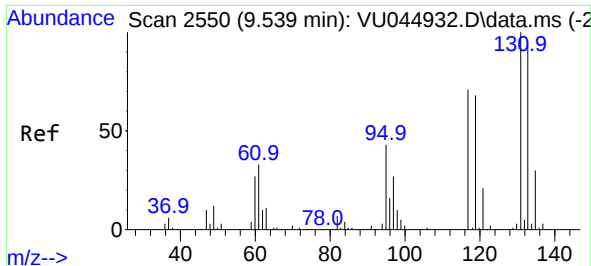


#65  
Chlorobenzene  
Concen: 0.931 ug/l  
RT: 9.452 min Scan# 2523  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion:112 Resp: 5258  
Ion Ratio Lower Upper  
112 100  
114 35.6 25.9 38.9





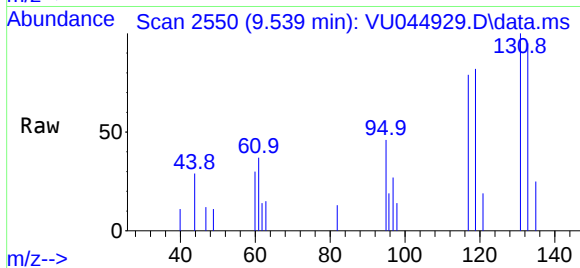
#66  
1,1,1,2-Tetrachloroethane  
Concen: 0.814 ug/l  
RT: 9.539 min Scan# 2550  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001



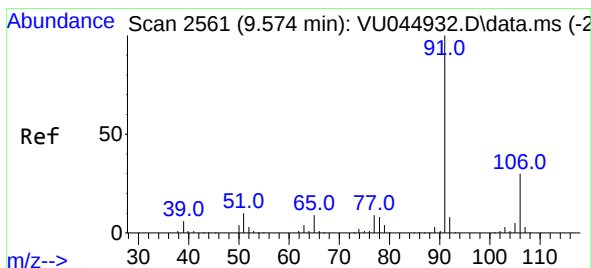
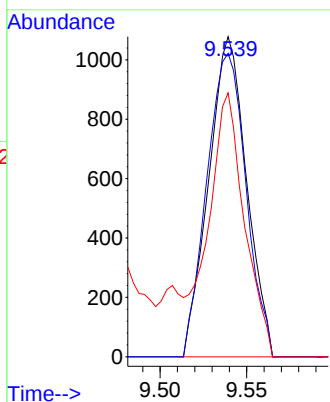
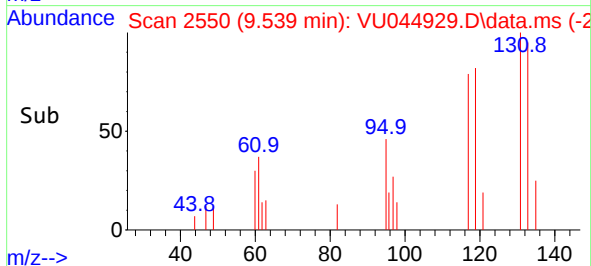
Tgt Ion:131 Resp: 1639  
Ion Ratio Lower Upper  
131 100  
133 98.2 48.1 144.3  
119 0.0 34.1 102.3

Manual Integrations

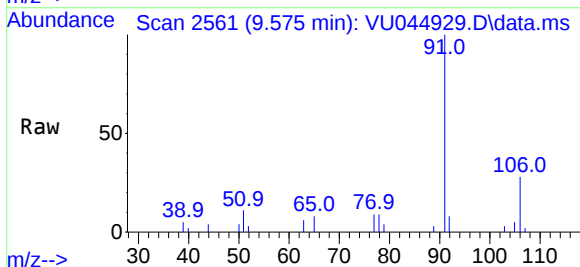
APPROVED

Reviewed By :John Carlone 09/29/2021

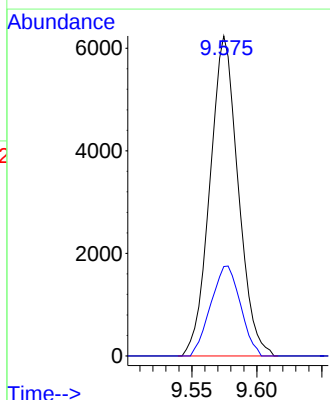
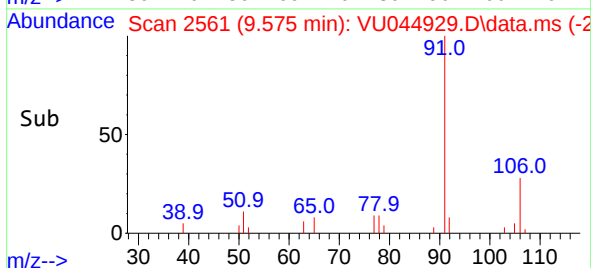
Supervised By :Mahesh Dadoda 09/30/2021

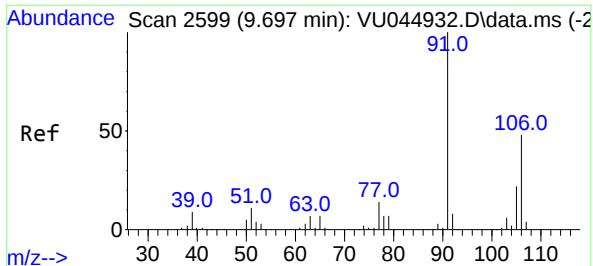


#67  
Ethyl Benzene  
Concen: 0.932 ug/l  
RT: 9.575 min Scan# 2561  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion: 91 Resp: 9421  
Ion Ratio Lower Upper  
91 100  
106 27.9 24.3 36.5





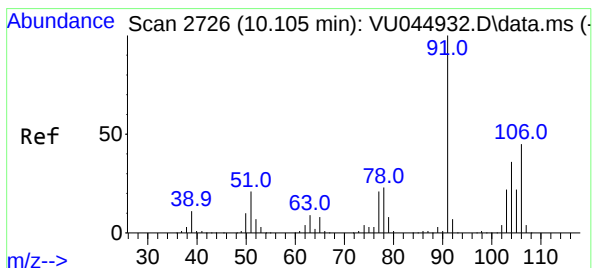
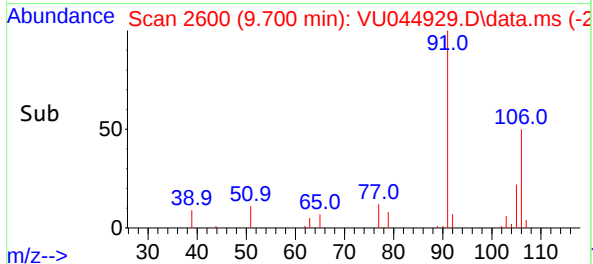
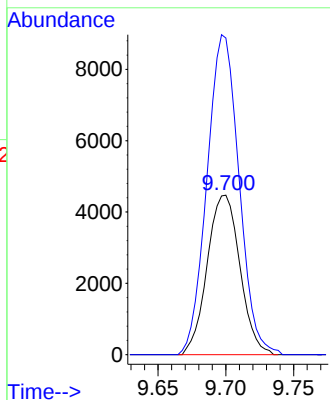
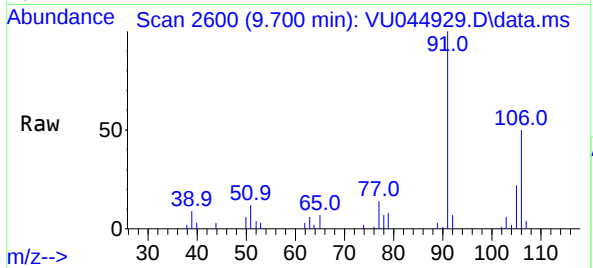
#68  
m/p-Xylenes  
Concen: 1.946 ug/l  
RT: 9.700 min Scan# 2599  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion:106 Resp: 7520  
Ion Ratio Lower Upper  
106 100  
91 196.4 164.2 246.2

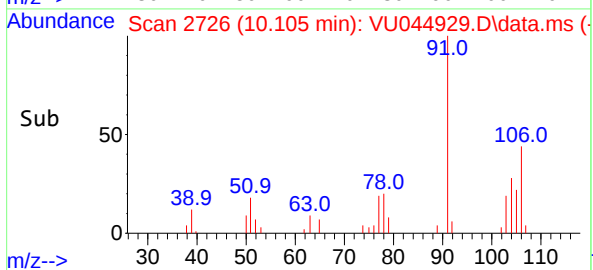
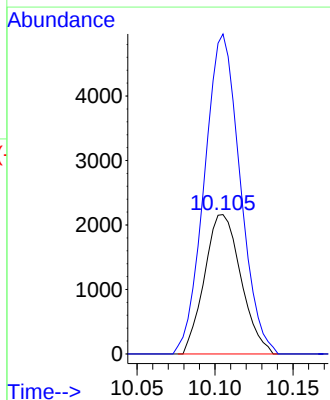
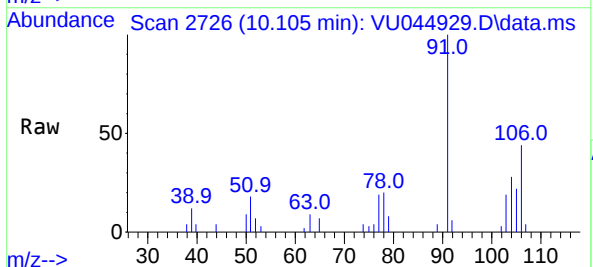
Manual Integrations  
APPROVED

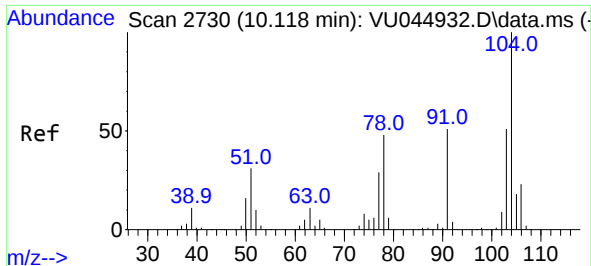
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#69  
o-Xylene  
Concen: 0.933 ug/l  
RT: 10.105 min Scan# 2726  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Tgt Ion:106 Resp: 3509  
Ion Ratio Lower Upper  
106 100  
91 225.1 108.9 326.7





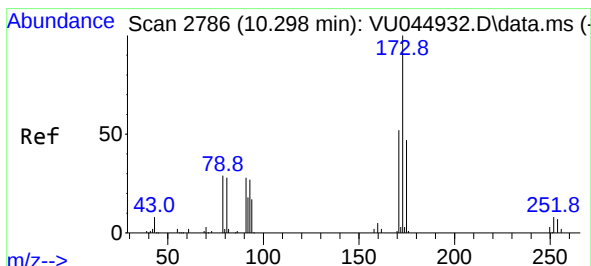
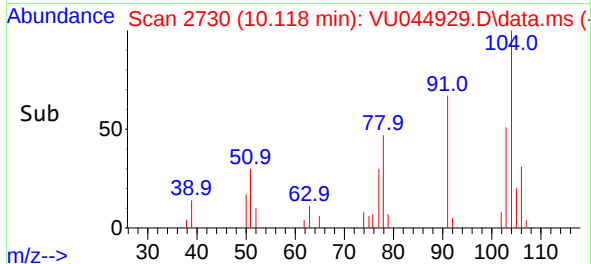
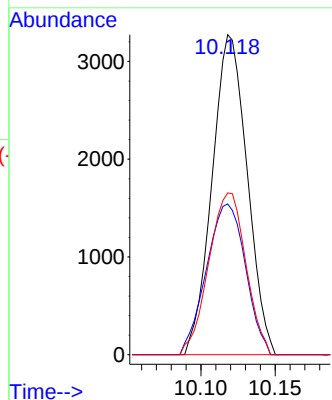
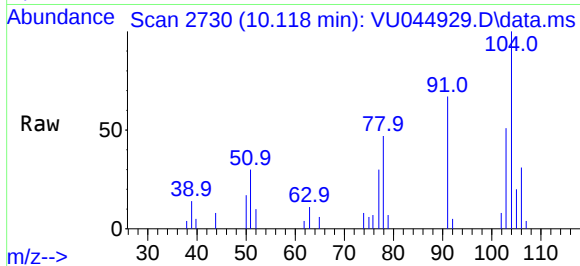
#70  
Styrene  
Concen: 0.850 ug/l  
RT: 10.118 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion:104 Resp: 537  
Ion Ratio Lower Upper  
104 100  
78 52.4 41.4 62.0  
103 53.5 43.5 65.3

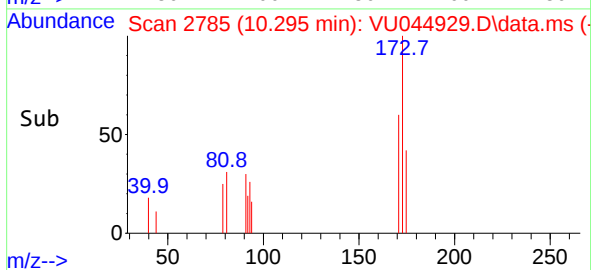
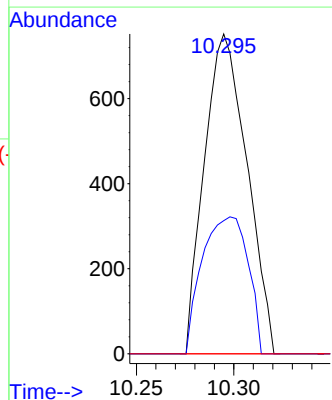
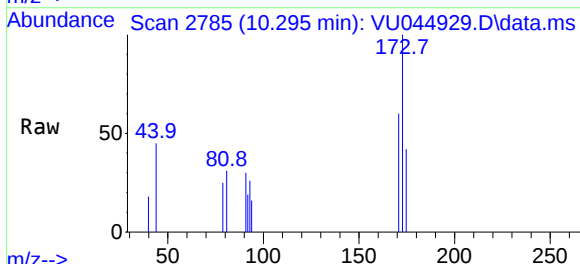
Manual Integrations  
APPROVED

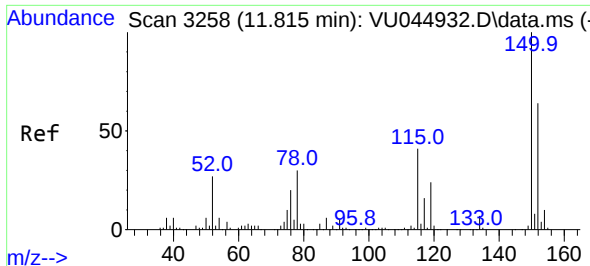
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#71  
Bromoform  
Concen: 0.676 ug/l  
RT: 10.295 min Scan# 2785  
Delta R.T. -0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

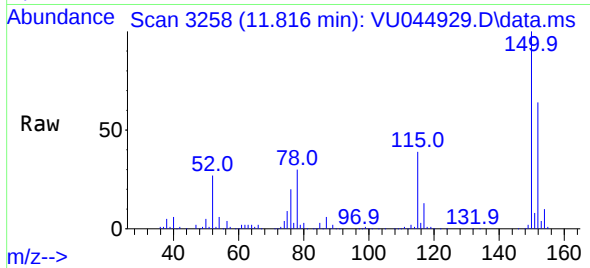
Tgt Ion:173 Resp: 1144  
Ion Ratio Lower Upper  
173 100  
175 46.0 24.3 73.0  
254 0.0 0.0 0.0





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.816 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

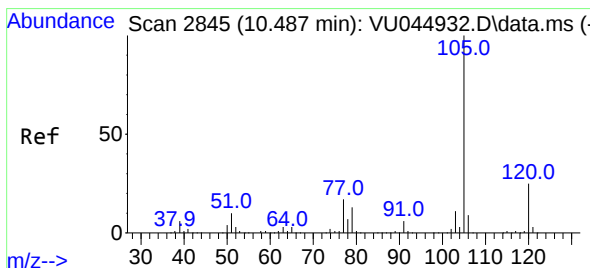
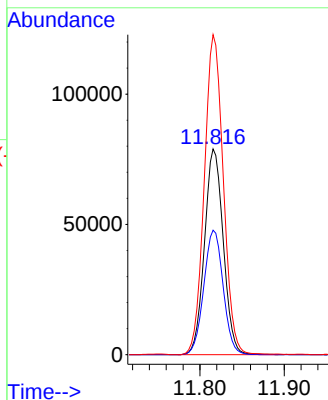
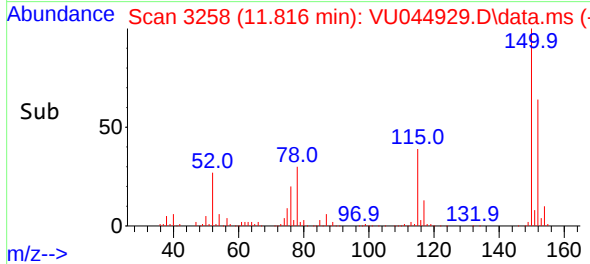
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



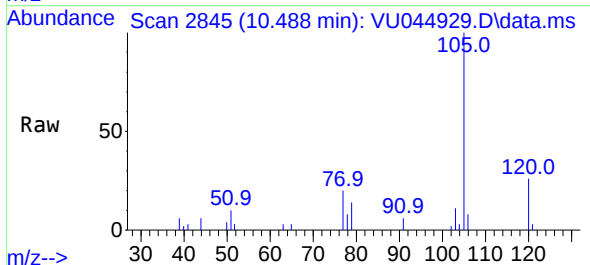
Tgt Ion:152 Resp: 12259  
Ion Ratio Lower Upper  
152 100  
115 62.2 43.5 130.7  
150 157.5 0.0 350.0

Manual Integrations  
APPROVED

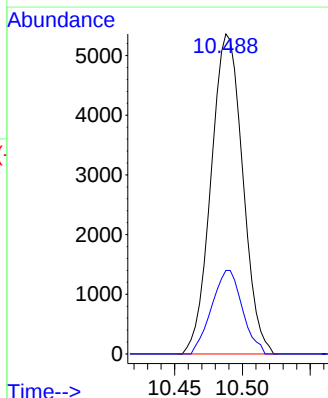
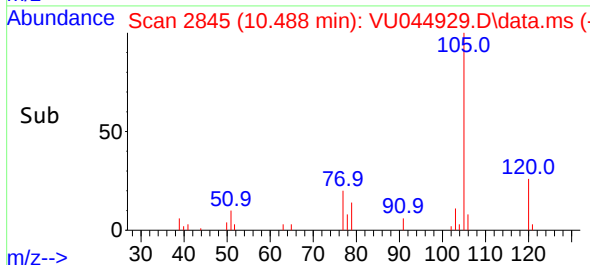
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

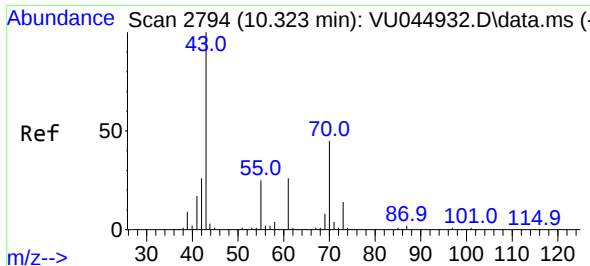


#73  
Isopropylbenzene  
Concen: 0.996 ug/l  
RT: 10.488 min Scan# 2845  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



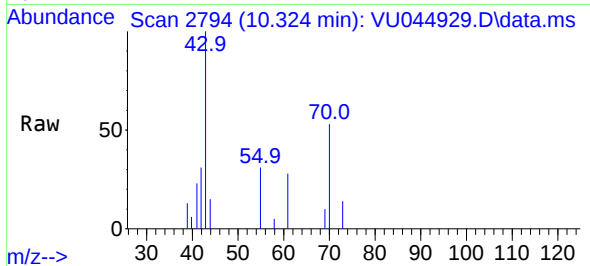
Tgt Ion:105 Resp: 8705  
Ion Ratio Lower Upper  
105 100  
120 25.3 12.8 38.3





#74  
N-amy1 acetate  
Concen: 0.903 ug/l  
RT: 10.324 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

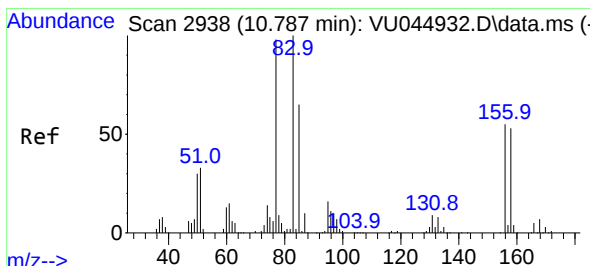
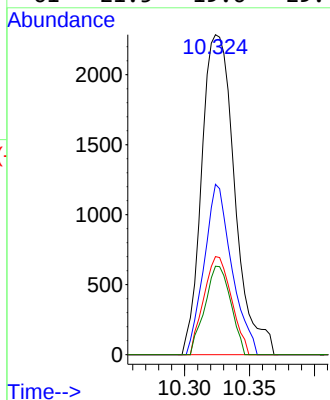
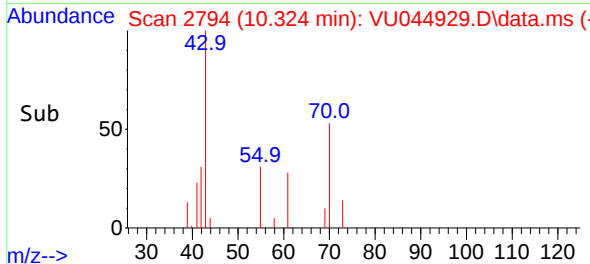


Tgt Ion: 43 Resp: 4039

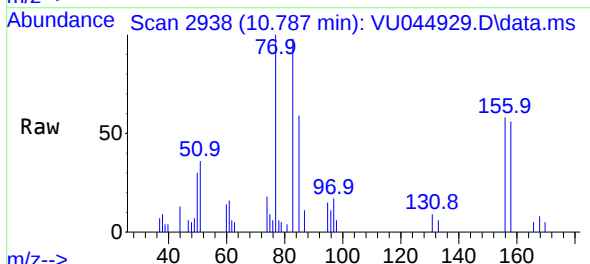
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 70  | 44.4  | 35.1  | 52.7  |
| 55  | 25.6  | 20.5  | 30.7  |
| 61  | 21.5  | 19.6  | 29.4  |

Manual Integrations  
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Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

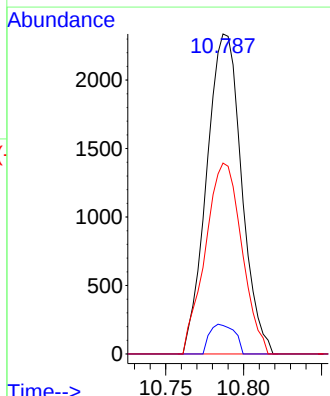
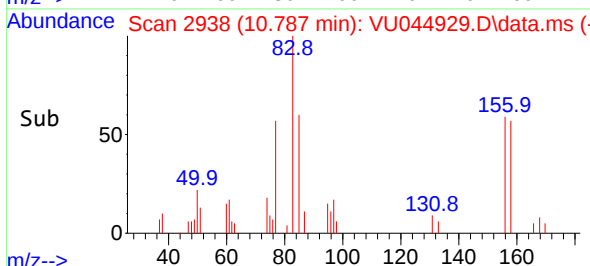


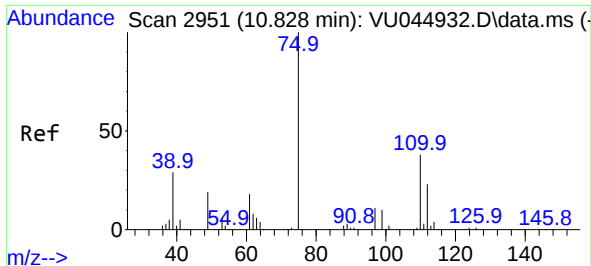
#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.905 ug/l  
RT: 10.787 min Scan# 2938  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion: 83 Resp: 3635

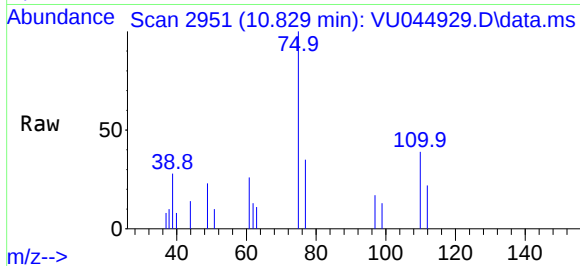
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 6.7   | 4.3   | 13.1  |
| 85  | 62.4  | 31.9  | 95.5  |





#76  
1,2,3-Trichloropropane  
Concen: 0.881 ug/l m  
RT: 10.829 min Scan# 2951  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

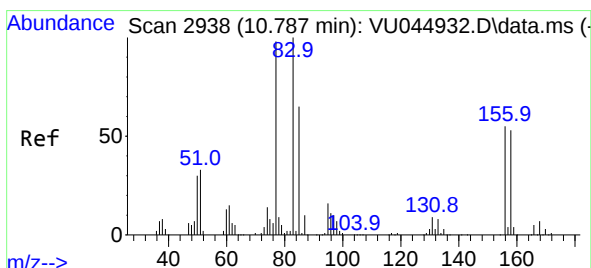
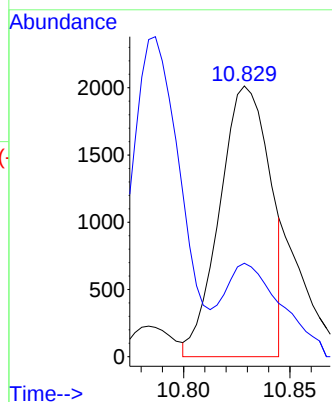
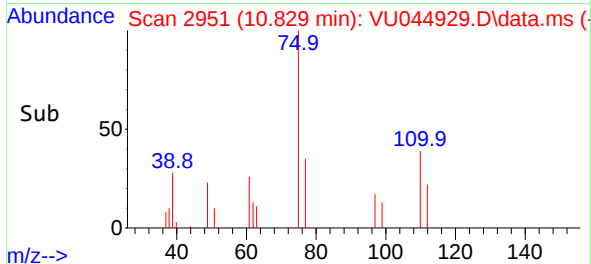
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



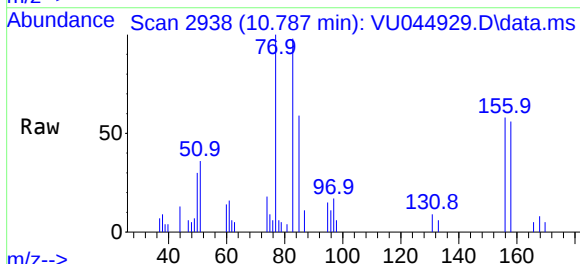
Tgt Ion: 75 Resp: 3299  
Ion Ratio Lower Upper  
75 100  
77 40.1 17.9 53.7

Manual Integrations  
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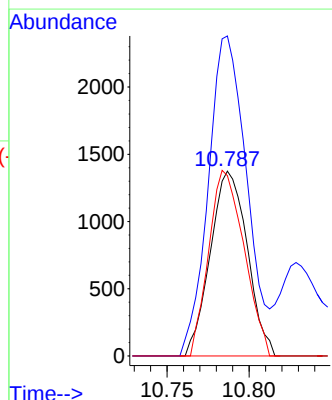
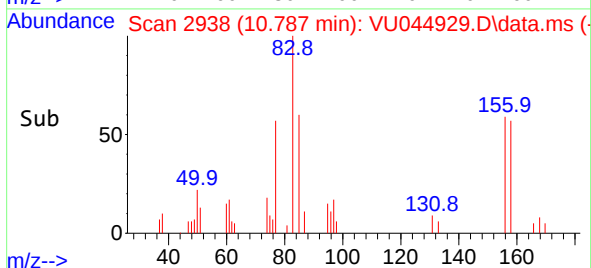
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

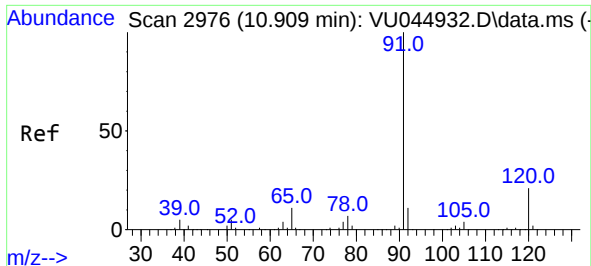


#77  
Bromobenzene  
Concen: 1.024 ug/l  
RT: 10.787 min Scan# 2938  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion:156 Resp: 2153  
Ion Ratio Lower Upper  
156 100  
77 179.5 91.1 273.4  
158 95.8 48.2 144.6





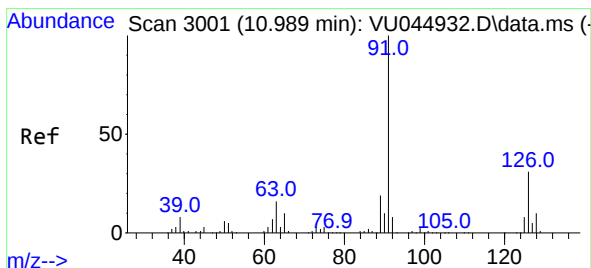
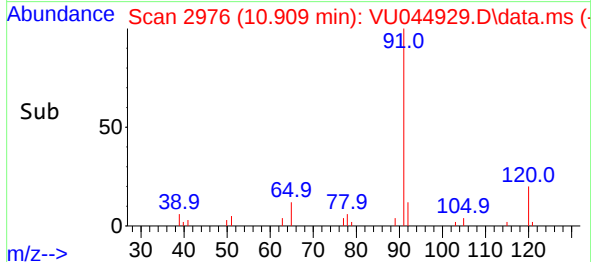
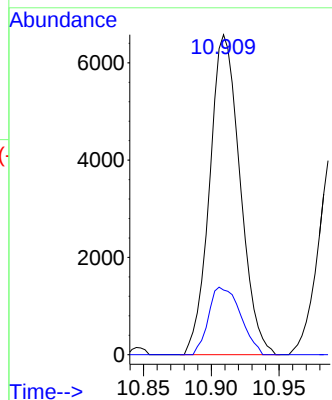
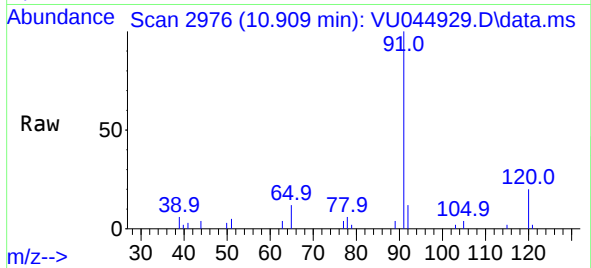
#78  
n-propylbenzene  
Concen: 0.966 ug/l  
RT: 10.909 min Scan# 2976  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 91 Resp: 1026  
Ion Ratio Lower Upper  
91 100  
120 22.1 10.8 32.4

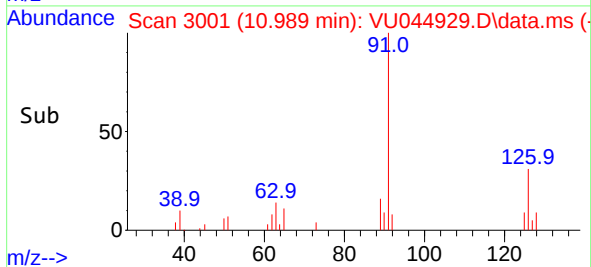
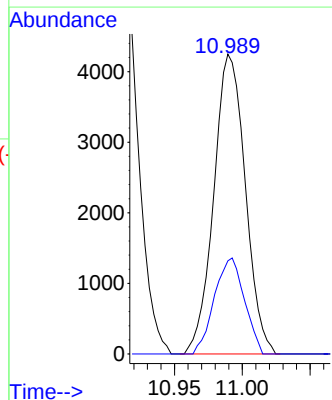
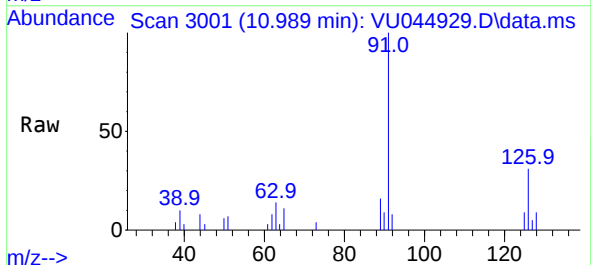
Manual Integrations  
APPROVED

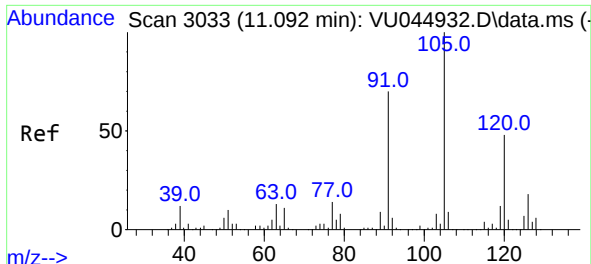
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#79  
2-Chlorotoluene  
Concen: 1.058 ug/l  
RT: 10.989 min Scan# 3001  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

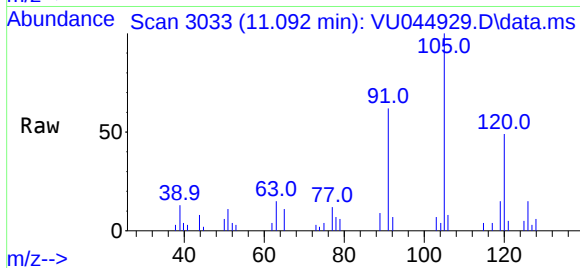
Tgt Ion: 91 Resp: 6873  
Ion Ratio Lower Upper  
91 100  
126 30.4 15.7 47.0





#80  
1,3,5-Trimethylbenzene  
Concen: 0.965 ug/l  
RT: 11.092 min Scan# 3033  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

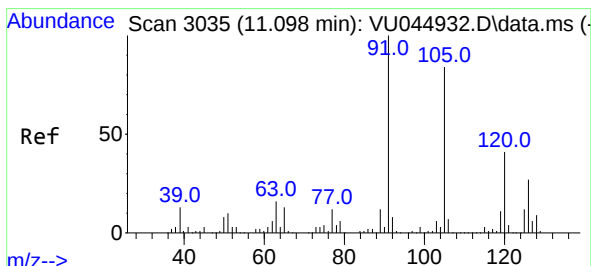
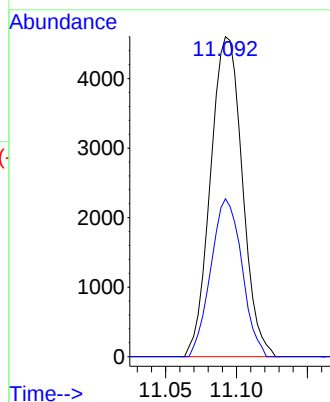
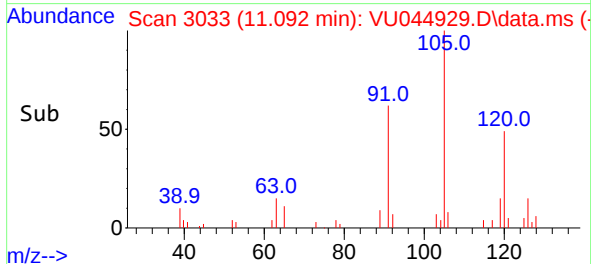
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



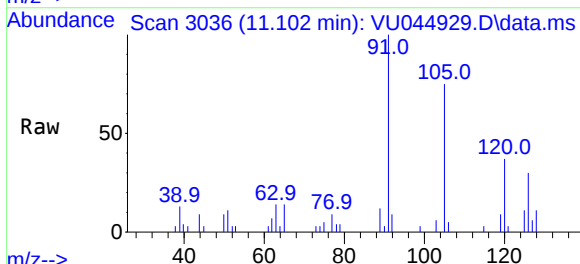
Tgt Ion:105 Resp: 7188  
Ion Ratio Lower Upper  
105 100  
120 48.1 24.1 72.2

Manual Integrations  
APPROVED

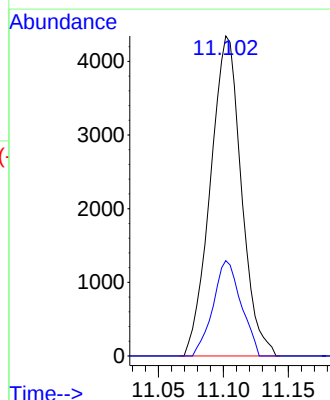
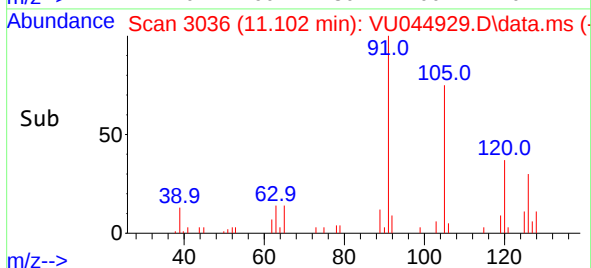
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

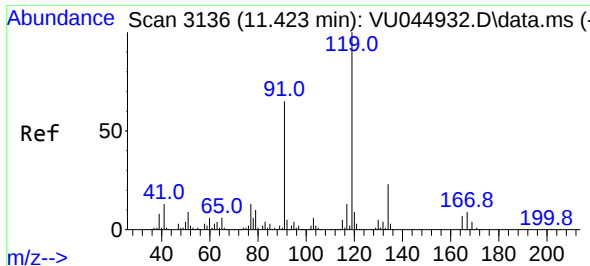


#82  
4-Chlorotoluene  
Concen: 0.973 ug/l  
RT: 11.102 min Scan# 3036  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



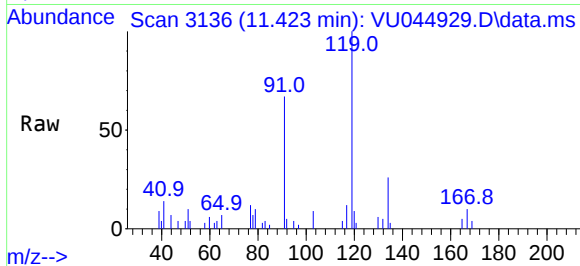
Tgt Ion: 91 Resp: 7202  
Ion Ratio Lower Upper  
91 100  
126 26.9 13.8 41.4





#83  
tert-Butylbenzene  
Concen: 0.952 ug/l  
RT: 11.423 min Scan# 3136  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

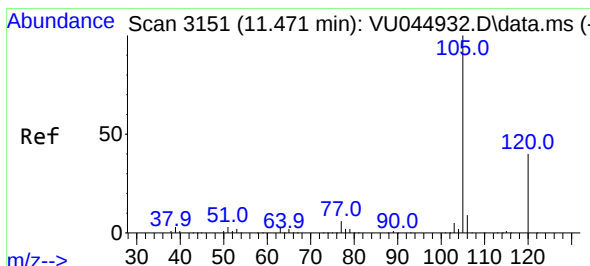
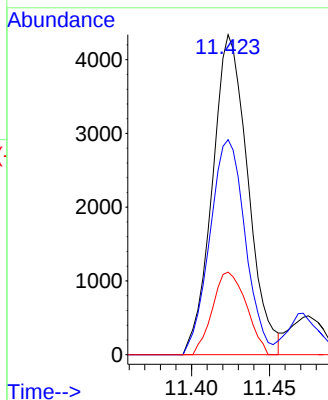
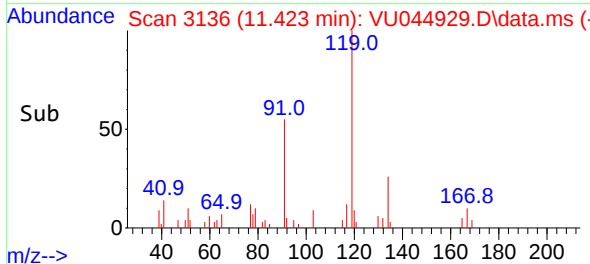
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



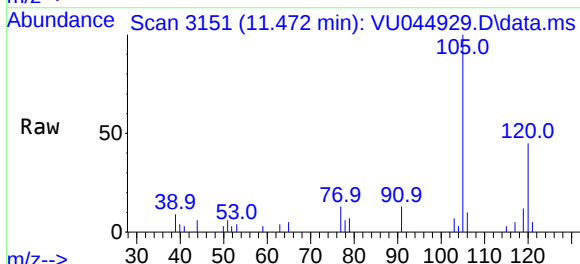
Tgt Ion:119 Resp: 6880  
Ion Ratio Lower Upper  
119 100  
91 66.9 30.4 91.2  
134 24.6 11.5 34.5

Manual Integrations  
APPROVED

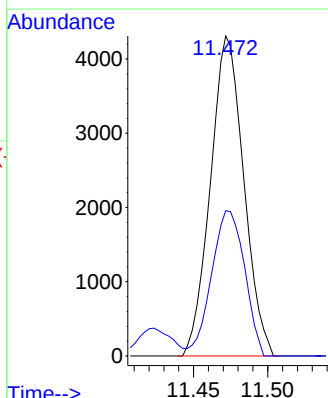
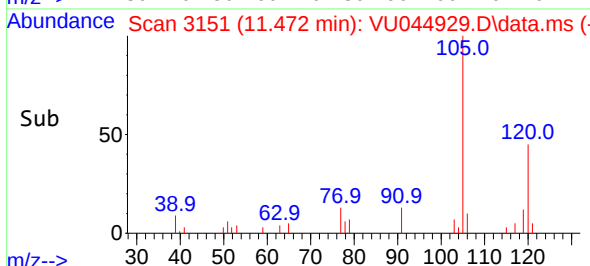
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

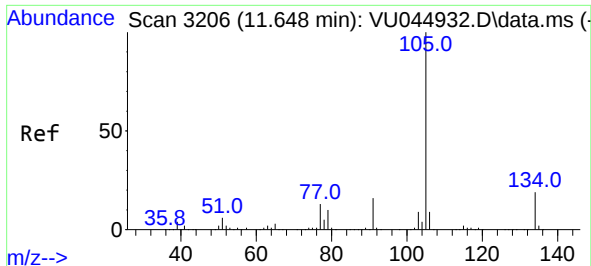


#84  
1,2,4-Trimethylbenzene  
Concen: 0.914 ug/l  
RT: 11.472 min Scan# 3151  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion:105 Resp: 6723  
Ion Ratio Lower Upper  
105 100  
120 44.9 22.4 67.3





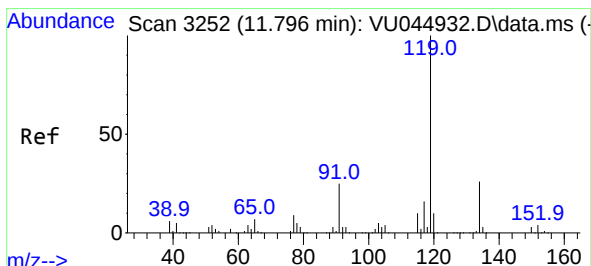
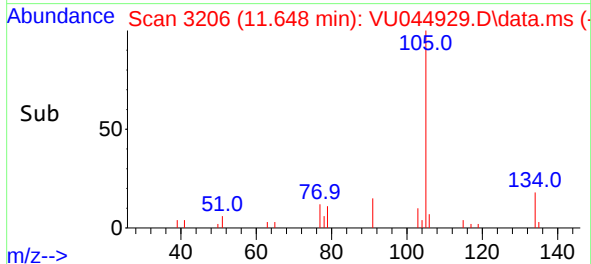
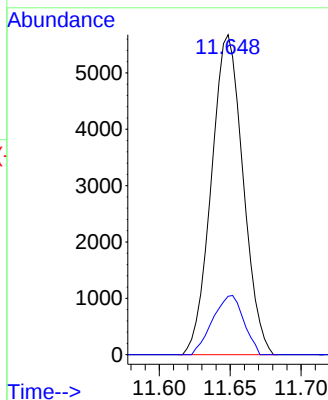
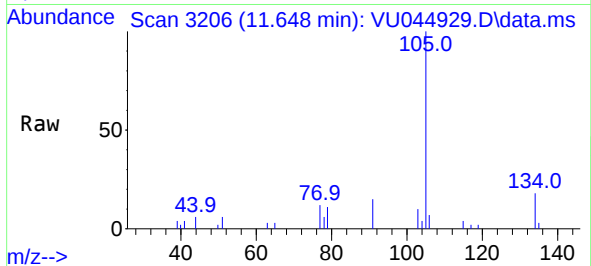
#85  
 sec-Butylbenzene  
 Concen: 0.949 ug/l  
 RT: 11.648 min Scan# 3206  
 Delta R.T. 0.000 min  
 Lab File: VU044929.D  
 Acq: 28 Sep 2021 10:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC001

Tgt Ion:105 Resp: 883  
 Ion Ratio Lower Upper  
 105 100  
 134 18.1 9.3 28.0

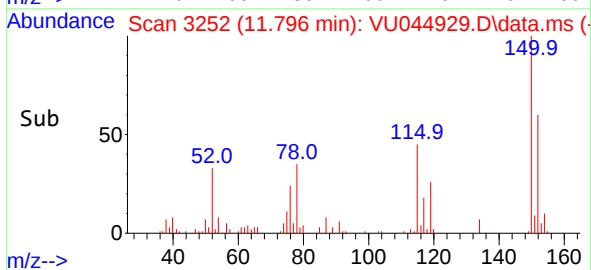
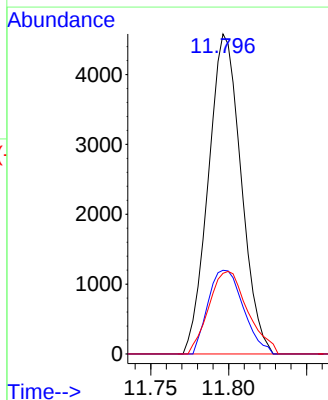
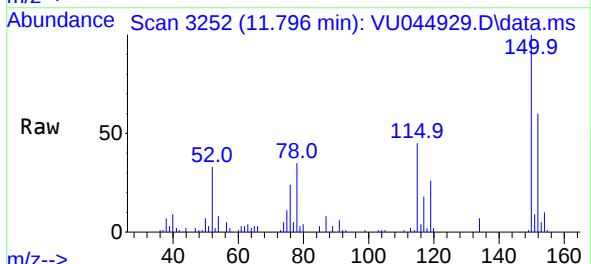
Manual Integrations  
 APPROVED

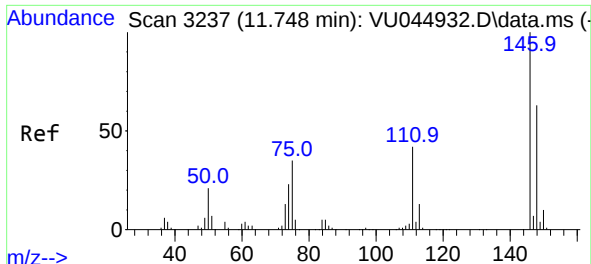
Reviewed By :John Carlone 09/29/2021  
 Supervised By :Mahesh Dadoda 09/30/2021



#86  
 p-Isopropyltoluene  
 Concen: 0.883 ug/l  
 RT: 11.796 min Scan# 3252  
 Delta R.T. 0.000 min  
 Lab File: VU044929.D  
 Acq: 28 Sep 2021 10:14

Tgt Ion:119 Resp: 6689  
 Ion Ratio Lower Upper  
 119 100  
 134 28.3 12.8 38.3  
 91 30.6 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 1.031 ug/l

RT: 11.748 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU044929.D

Acq: 28 Sep 2021 10:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 4220

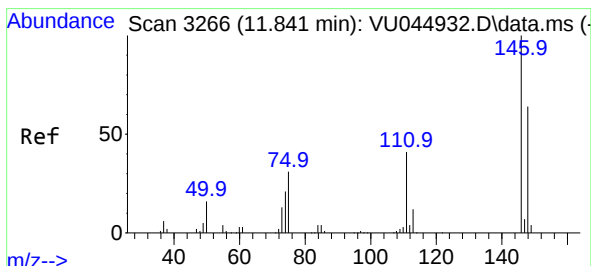
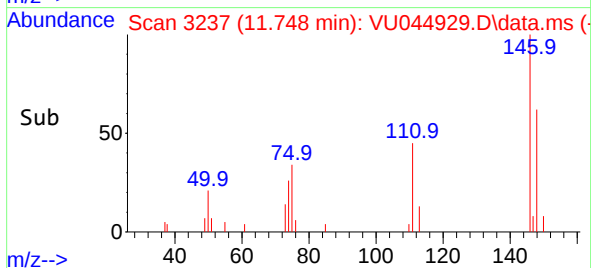
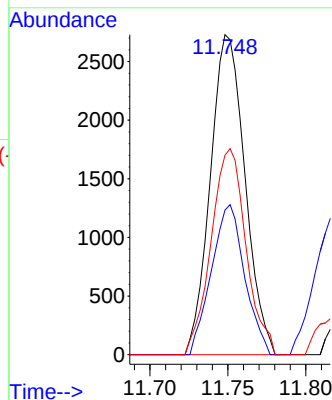
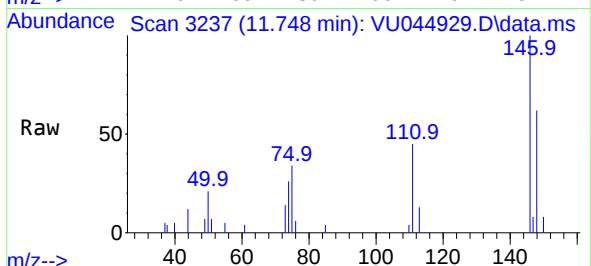
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 45.0  | 21.2  | 63.6  |
| 148 | 65.0  | 32.1  | 96.3  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/29/2021

Supervised By :Mahesh Dadoda 09/30/2021



#88

1,4-Dichlorobenzene

Concen: 1.064 ug/l m

RT: 11.838 min Scan# 3265

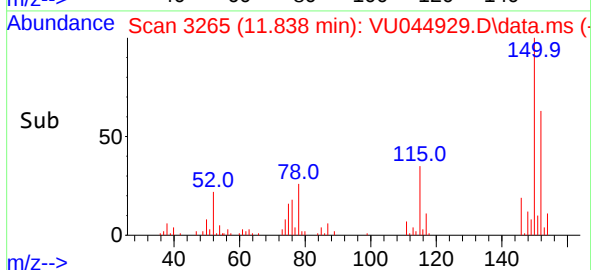
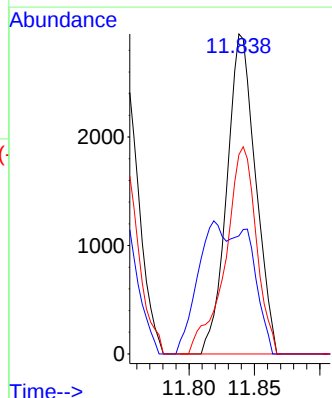
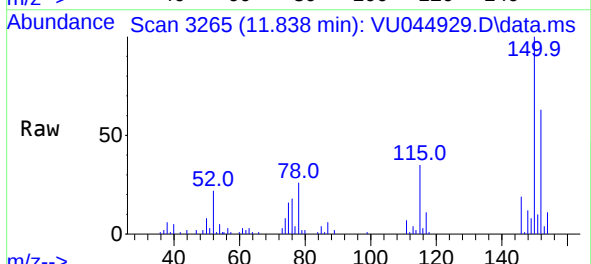
Delta R.T. -0.003 min

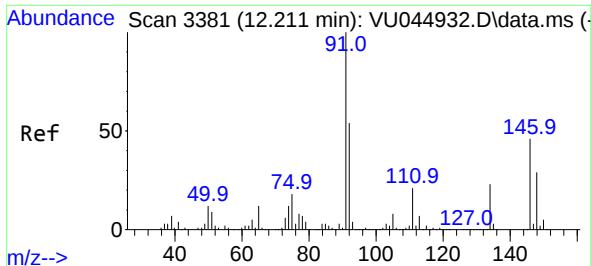
Lab File: VU044929.D

Acq: 28 Sep 2021 10:14

Tgt Ion:146 Resp: 4492

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 42.3  | 20.3  | 61.0  |
| 148 | 61.0  | 31.8  | 95.3  |





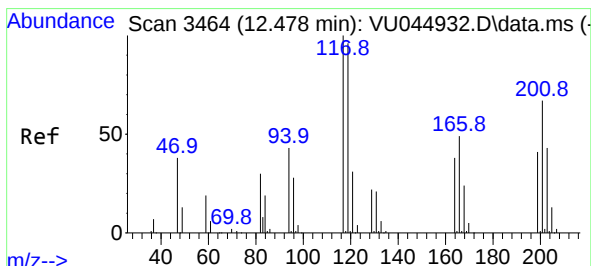
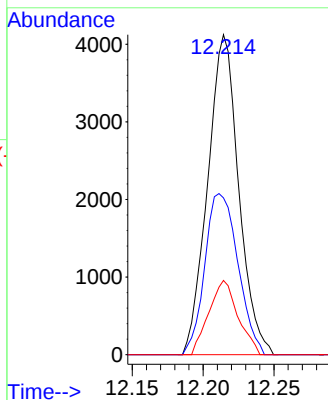
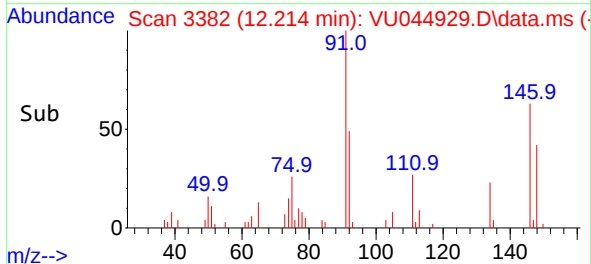
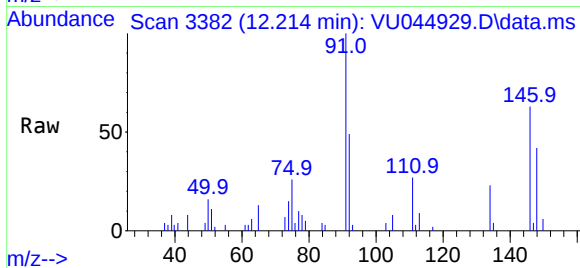
#89  
n-Butylbenzene  
Concen: 0.902 ug/l  
RT: 12.214 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 91 Resp: 6280  
Ion Ratio Lower Upper  
91 100  
92 53.7 26.8 80.4  
134 21.8 11.8 35.4

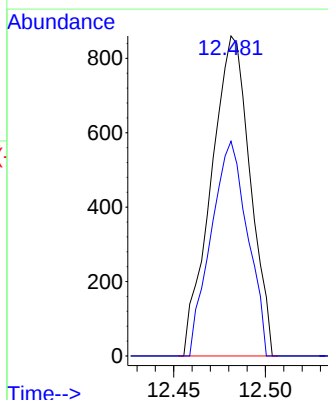
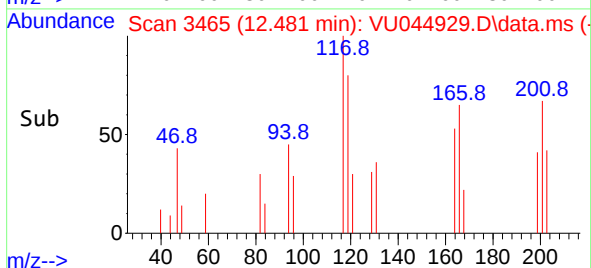
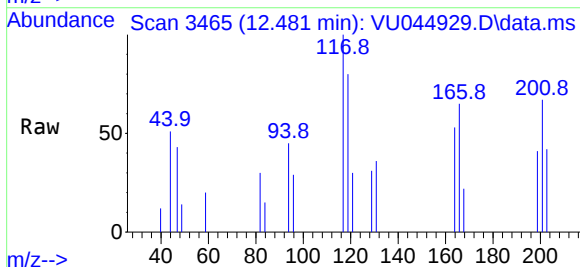
Manual Integrations  
APPROVED

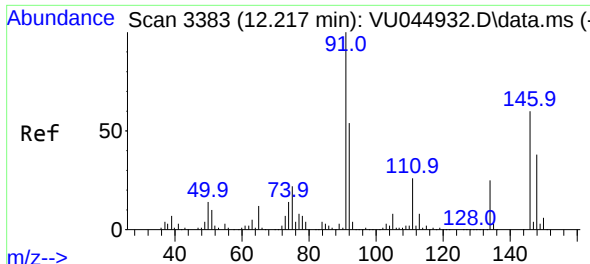
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#90  
Hexachloroethane  
Concen: 0.926 ug/l  
RT: 12.481 min Scan# 3465  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

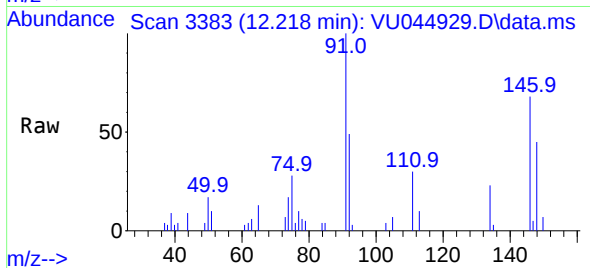
Tgt Ion:117 Resp: 1275  
Ion Ratio Lower Upper  
117 100  
201 62.4 34.8 104.3





#91  
1,2-Dichlorobenzene  
Concen: 0.981 ug/l  
RT: 12.218 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

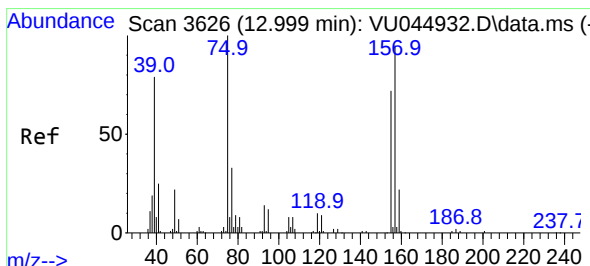
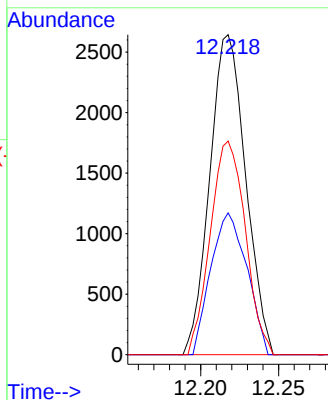
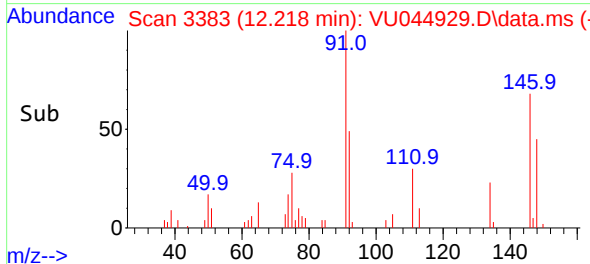
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



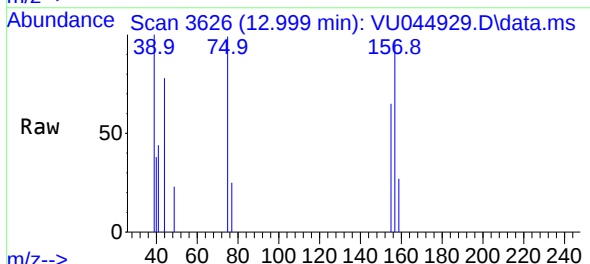
Tgt Ion:146 Resp: 424  
Ion Ratio Lower Upper  
146 100  
111 44.5 21.4 64.3  
148 65.2 31.8 95.3

Manual Integrations  
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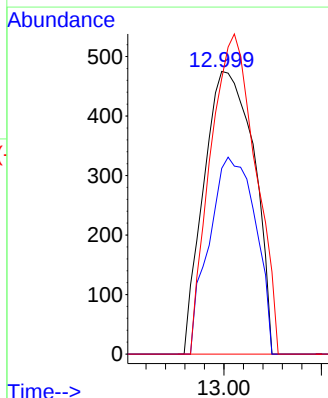
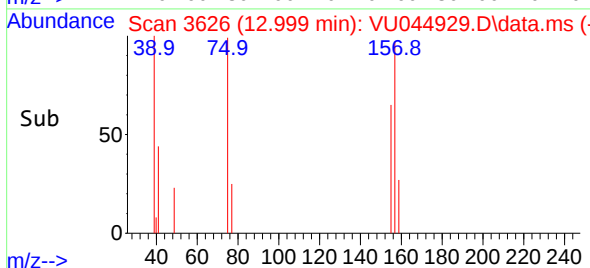
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

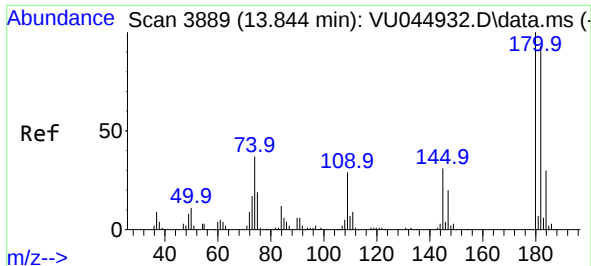


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.883 ug/l  
RT: 12.999 min Scan# 3626  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



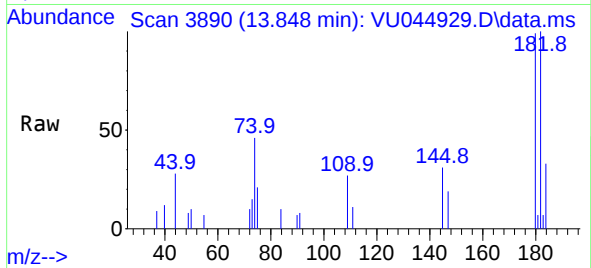
Tgt Ion: 75 Resp: 848  
Ion Ratio Lower Upper  
75 100  
155 64.4 36.9 110.6  
157 102.0 47.8 143.3





#93  
1,2,4-Trichlorobenzene  
Concen: 1.034 ug/l  
RT: 13.848 min Scan# 3889  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

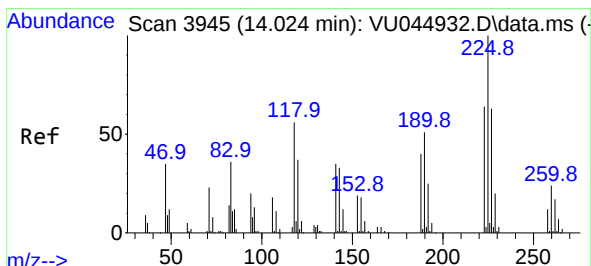
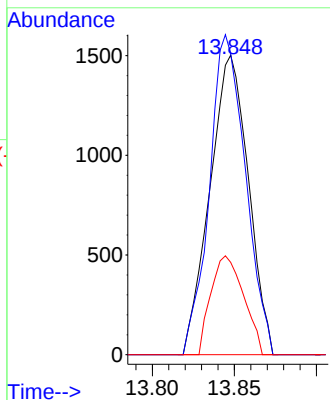
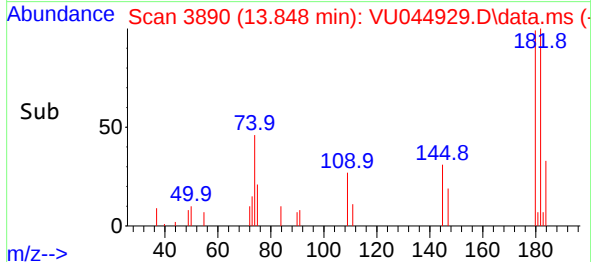
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



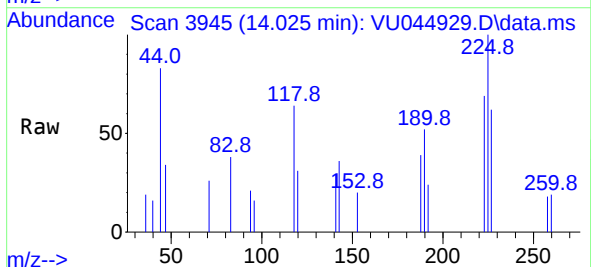
Tgt Ion:180 Resp: 244  
Ion Ratio Lower Upper  
180 100  
182 100.0 47.4 142.3  
145 28.1 15.4 46.2

Manual Integrations  
APPROVED

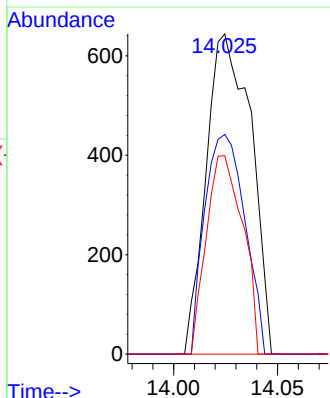
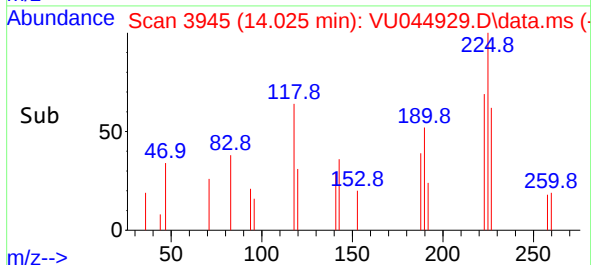
Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021

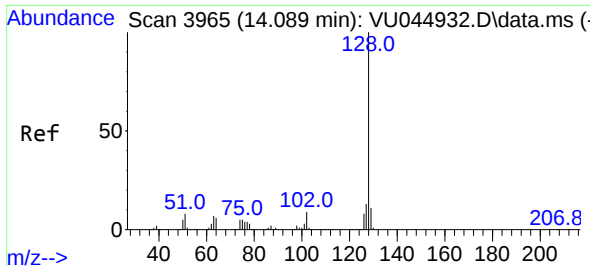


#94  
Hexachlorobutadiene  
Concen: 0.923 ug/l  
RT: 14.025 min Scan# 3945  
Delta R.T. 0.000 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14



Tgt Ion:225 Resp: 965  
Ion Ratio Lower Upper  
225 100  
223 61.7 31.1 93.3  
227 50.4 31.4 94.3





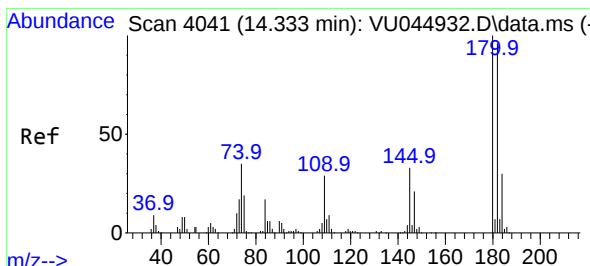
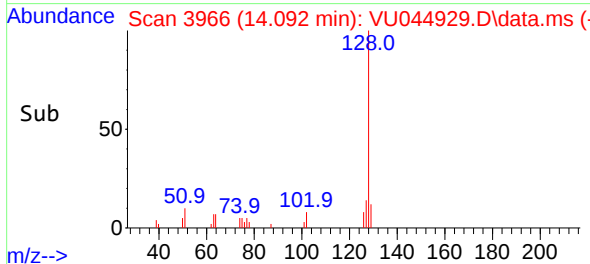
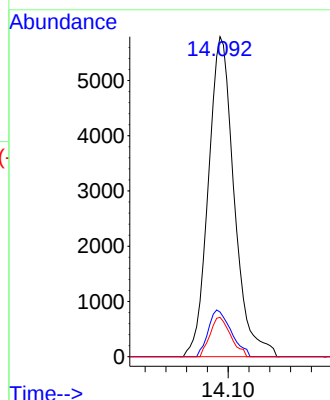
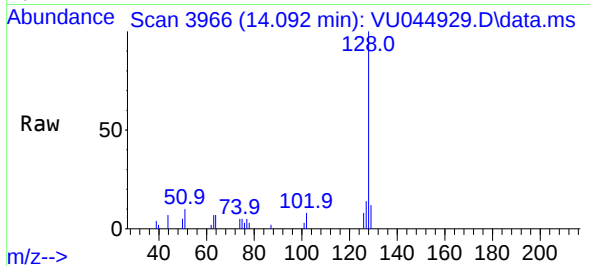
#95  
Naphthalene  
Concen: 1.214 ug/l  
RT: 14.092 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 999  |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 12.9  | 10.4  | 15.6 |
| 129       | 9.8   | 8.6   | 13.0 |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/29/2021  
Supervised By :Mahesh Dadoda 09/30/2021



#96  
1,2,3-Trichlorobenzene  
Concen: 1.066 ug/l  
RT: 14.336 min Scan# 4042  
Delta R.T. 0.003 min  
Lab File: VU044929.D  
Acq: 28 Sep 2021 10:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 2542  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.7  | 47.1  | 141.4 |
| 145       | 29.0  | 16.4  | 49.2  |

