

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL091922\  
 Data File : VL039630.D  
 Acq On : 19 Sep 2022 11:01  
 Operator : SY/AP  
 Sample : VSTDICC0.5  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Sep 19 12:50:30 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 19 2022  
 QLast Update : Fri Aug 26 06:05:16 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022

| Compound                        | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|---------------------------------|--------|-------|----------|----------|--------|----------|
| -----                           |        |       |          |          |        |          |
| Internal Standards              |        |       |          |          |        |          |
| 1) Bromochloromethane           | 5.205  | 49    | 1168959  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene         | 6.664  | 114   | 2979602  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5            | 11.474 | 117   | 2751664  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds     |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene     | 13.783 | 95    | 2059027  | 9.919    | ppbv   | 0.00     |
| Spiked Amount                   | 10.000 | Range | 65 - 135 | Recovery | =      | 99.200%  |
| Target Compounds                |        |       |          |          |        |          |
|                                 |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane      | 2.751  | 85    | 91867m   | 0.591    | ppbv   |          |
| 3) Chlorodifluoromethane        | 2.693  | 51    | 71821    | 0.516    | ppbv   | 95       |
| 4) Chloromethane                | 2.838  | 50    | 43690    | 0.521    | ppbv   | 100      |
| 5) Vinyl Chloride               | 2.944  | 62    | 34945    | 0.516    | ppbv # | 79       |
| 6) Bromomethane                 | 3.137  | 94    | 13686m   | 0.477    | ppbv   |          |
| 7) Chloroethane                 | 3.221  | 64    | 12322    | 0.486    | ppbv   | 99       |
| 8) Dichlorotetrafluoroethane    | 2.880  | 85    | 87866    | 0.528    | ppbv   | 99       |
| 9) Propene                      | 2.716  | 41    | 34400    | 0.540    | ppbv   | 97       |
| 10) Heptane                     | 7.597  | 43    | 62838    | 0.426    | ppbv   | 92       |
| 11) Trichlorofluoromethane      | 3.587  | 101   | 81588    | 0.478    | ppbv   | 96       |
| 12) 1,1,2-Trichlorotrifluoro... | 4.086  | 101   | 67245    | 0.533    | ppbv   | 96       |
| 13) Ethanol                     | 3.269  | 45    | 2626     | 0.573    | ppbv # | 23       |
| 14) Bromoethene                 | 3.388  | 108   | 24519    | 0.475    | ppbv # | 84       |
| 15) Acetone                     | 3.500  | 43    | 65847    | 0.503    | ppbv # | 88       |
| 16) 1,3-Butadiene               | 3.005  | 39    | 30105    | 0.441    | ppbv   | 87       |
| 17) tert-Butyl alcohol          | 3.912  | 59    | 55336m   | 0.495    | ppbv   |          |
| 18) 1,1-Dichloroethene          | 3.899  | 96    | 26613    | 0.468    | ppbv   | 89       |
| 19) Isopropyl Alcohol           | 3.610  | 45    | 37824m   | 0.594    | ppbv   |          |
| 20) Methylene Chloride          | 3.951  | 84    | 35410    | 0.666    | ppbv # | 93       |
| 21) Allyl Chloride              | 4.015  | 41    | 46766m   | 0.549    | ppbv   |          |
| 22) trans-1,2-Dichloroethene    | 4.462  | 96    | 26312    | 0.465    | ppbv   | 91       |
| 23) Vinyl Acetate               | 4.652  | 43    | 30442m   | 0.489    | ppbv   |          |
| 24) 1,1-Dichloroethane          | 4.584  | 63    | 58398    | 0.507    | ppbv # | 95       |
| 25) Ethyl Acetate               | 5.227  | 43    | 136803   | 0.488    | ppbv   | 98       |
| 26) Hexane                      | 5.234  | 57    | 58350    | 0.510    | ppbv   | 91       |
| 27) Carbon Disulfide            | 4.144  | 76    | 54352m   | 0.445    | ppbv   |          |
| 28) Methyl tert-Butyl Ether     | 4.619  | 73    | 49880m   | 0.506    | ppbv   |          |
| 29) Chloroform                  | 5.288  | 83    | 83205    | 0.465    | ppbv   | 97       |
| 30) Cyclohexane                 | 6.619  | 84    | 45963m   | 0.485    | ppbv   |          |
| 31) cis-1,2-Dichloroethene      | 5.095  | 61    | 52161m   | 0.471    | ppbv   |          |
| 32) 1,1,1-Trichloroethane       | 6.018  | 97    | 77644    | 0.493    | ppbv   | 94       |
| 34) 2-Butanone                  | 4.816  | 43    | 75043m   | 0.507    | ppbv   |          |
| 35) Carbon Tetrachloride        | 6.504  | 117   | 80541    | 0.500    | ppbv   | 95       |
| 36) Benzene                     | 6.381  | 78    | 104313   | 0.459    | ppbv # | 89       |
| 37) 1,2-Dichloroethane          | 5.825  | 62    | 62816m   | 0.502    | ppbv   |          |
| 38) Trichloroethene             | 7.304  | 130   | 61840    | 0.508    | ppbv   | 90       |
| 39) 1,2-Dichloropropane         | 7.082  | 63    | 45289m   | 0.530    | ppbv   |          |
| 40) 1,4-Dioxane                 | 7.336  | 88    | 18858m   | 0.564    | ppbv   |          |
| 41) Tetrahydrofuran             | 5.597  | 42    | 38706m   | 0.437    | ppbv   |          |
| 42) Bromodichloromethane        | 7.259  | 83    | 78819    | 0.460    | ppbv # | 94       |
| 43) Methyl Methacrylate         | 7.491  | 69    | 33862m   | 0.413    | ppbv   |          |
| 44) 2,2,4-Trimethylpentane      | 7.340  | 57    | 186598   | 0.487    | ppbv   | 94       |
| 45) t-1,3-Dichloropropene       | 8.719  | 75    | 23573m   | 0.330    | ppbv   |          |

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 Sample : VSTDIC0.5  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 19 12:50:30 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 2

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.156  | 75   | 35812    | 0.362 | ppbv # | 86       |
| 47) 1,1,2-Trichloroethane     | 8.905  | 97   | 48193m   | 0.494 | ppbv   |          |
| 48) Dibromochloromethane      | 9.719  | 129  | 58674    | 0.408 | ppbv   | 88       |
| 49) Bromoform                 | 12.420 | 173  | 49779m   | 0.418 | ppbv   |          |
| 50) 4-Methyl-2-Pentanone      | 8.217  | 43   | 94795    | 0.411 | ppbv   | 100      |
| 51) 2-Hexanone                | 9.590  | 43   | 67907m   | 0.400 | ppbv   |          |
| 52) Tetrachloroethene         | 10.632 | 164  | 41544m   | 0.483 | ppbv   |          |
| 53) Toluene                   | 9.233  | 91   | 107627   | 0.423 | ppbv   | 97       |
| 54) 1,2-Dibromoethane         | 10.015 | 107  | 50354    | 0.462 | ppbv   | 92       |
| 56) 1,1,1,2-Tetrachloroethane | 11.516 | 131  | 57629    | 0.515 | ppbv # | 1        |
| 57) Chlorobenzene             | 11.532 | 112  | 108390m  | 0.528 | ppbv   |          |
| 58) Ethyl Benzene             | 12.098 | 91   | 130362   | 0.412 | ppbv   | 90       |
| 59) m/p-Xylene                | 12.378 | 91   | 256621m  | 0.905 | ppbv   |          |
| 60) o-Xylene                  | 13.066 | 91   | 120195   | 0.441 | ppbv   | 94       |
| 61) Styrene                   | 12.912 | 104  | 53459m   | 0.369 | ppbv   |          |
| 62) Isopropylbenzene          | 14.043 | 105  | 191636   | 0.465 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.056 | 83   | 54916    | 0.426 | ppbv   | 93       |
| 64) n-propylbenzene           | 14.931 | 120  | 47847m   | 0.447 | ppbv   |          |
| 65) tert-Butylbenzene         | 16.101 | 119  | 160754   | 0.439 | ppbv   | 89       |
| 66) Benzyl Chloride           | 16.342 | 91   | 13049m   | 0.439 | ppbv   |          |
| 67) sec-Butylbenzene          | 16.648 | 105  | 236384   | 0.456 | ppbv   | 95       |
| 69) p-Isopropyltoluene        | 17.011 | 119  | 183990m  | 0.428 | ppbv   |          |
| 70) n-Butylbenzene            | 17.905 | 91   | 187274m  | 0.437 | ppbv   |          |
| 71) 2-Chlorotoluene           | 14.809 | 91   | 132719   | 0.445 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.201 | 105  | 128188   | 0.403 | ppbv # | 95       |
| 73) 1,3,5-Trimethylbenzene    | 15.362 | 105  | 124639   | 0.428 | ppbv   | 88       |
| 74) 1,2,4-Trimethylbenzene    | 16.111 | 105  | 152371m  | 0.470 | ppbv   |          |
| 75) 1,3-Dichlorobenzene       | 16.339 | 146  | 90154    | 0.457 | ppbv   | 95       |
| 76) 1,4-Dichlorobenzene       | 16.487 | 146  | 95593m   | 0.487 | ppbv   |          |
| 77) 1,2-Dichlorobenzene       | 17.146 | 146  | 94277m   | 0.489 | ppbv   |          |
| 78) Hexachloro-1,3-Butadiene  | 22.648 | 225  | 74781m   | 0.487 | ppbv   |          |
| 79) Naphthalene               | 21.397 | 128  | 87263m   | 0.378 | ppbv   |          |
| 80) Naphthalene,2-methyl-     | 24.387 | 142  | 24345m   | 0.260 | ppbv   |          |
| 81) 1,2,4-Trichlorobenzene    | 21.153 | 180  | 58797m   | 0.381 | ppbv   |          |

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

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 Operator : SY/AP  
 Sample : VSTDICC0.5  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Sep 19 12:50:30 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091922AIR.M

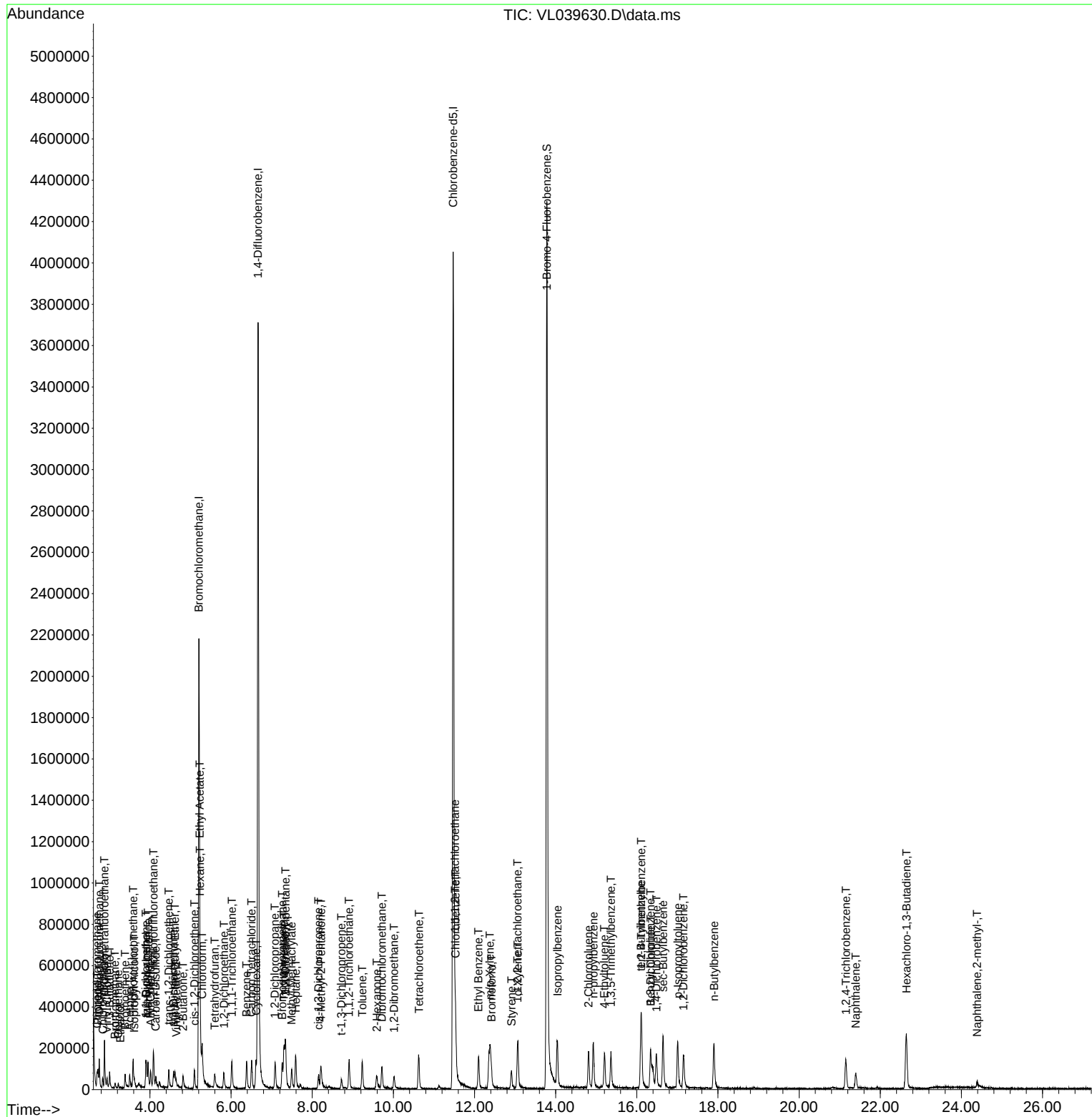
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug

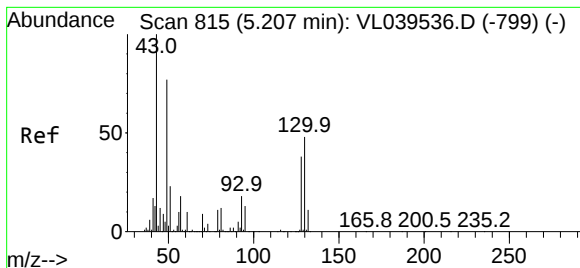
QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

### Manual Integrations APPROVED

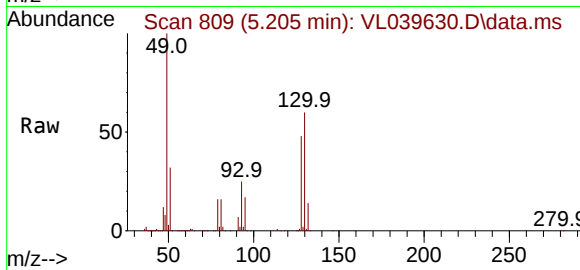
Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.205 min Scan# 809  
Delta R.T. -0.003 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

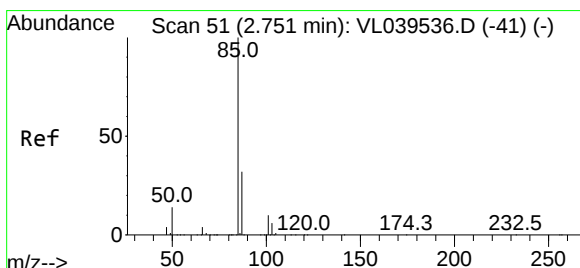
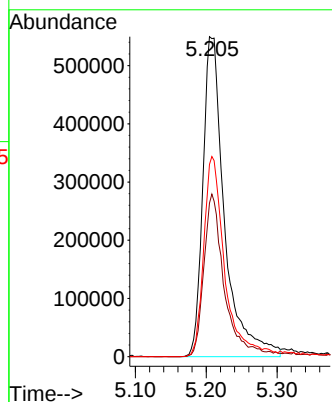
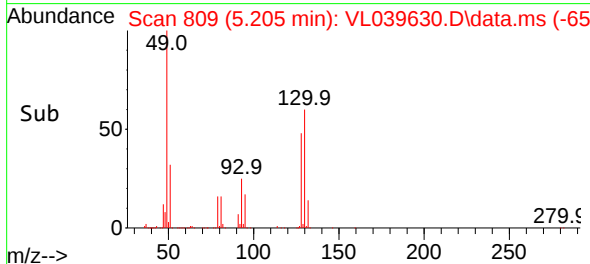
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5



Tgt Ion: 49 Resp: 116895  
Ion Ratio Lower Upper  
49 100  
128 48.1 26.7 80.0  
130 62.8 34.3 102.8

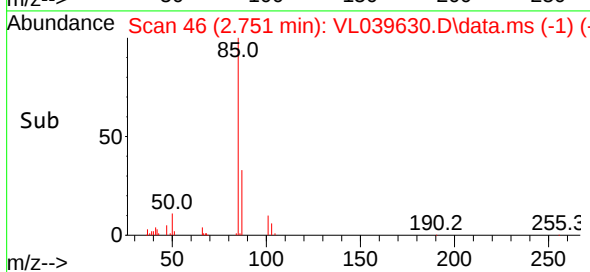
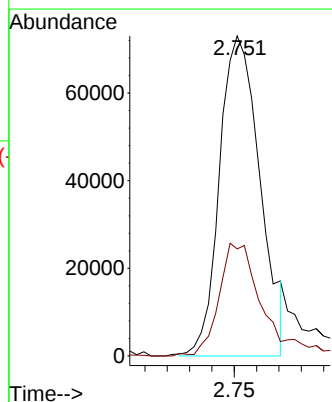
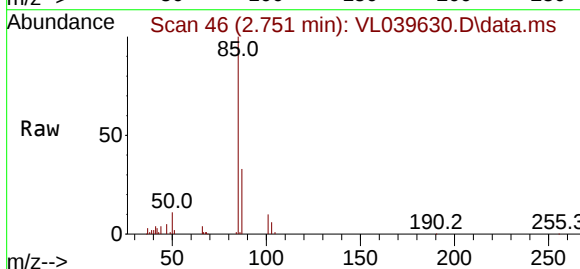
Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#2  
Dichlorodifluoromethane  
Concen: 0.591 ppbv m  
RT: 2.751 min Scan# 46  
Delta R.T. 0.001 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Tgt Ion: 85 Resp: 91867  
Ion Ratio Lower Upper  
85 100  
87 33.5 26.7 40.1





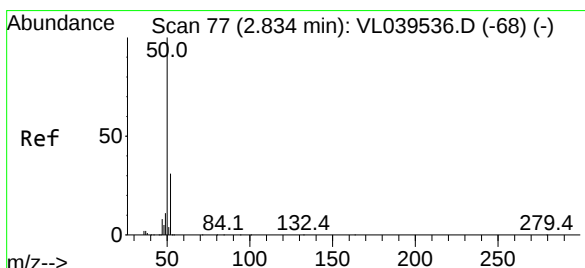
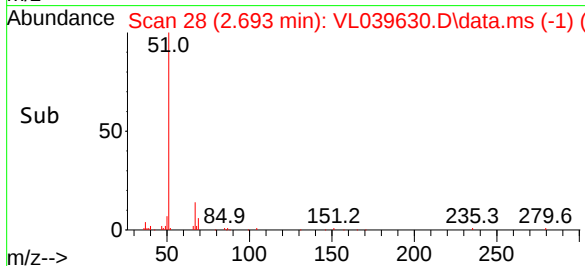
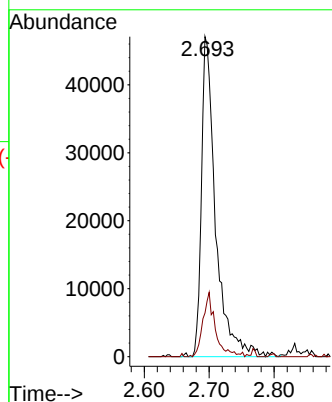
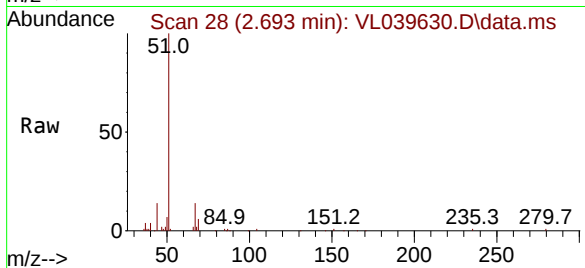
#3  
Chlorodifluoromethane  
Concen: 0.516 ppbv  
RT: 2.693 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 51 Resp: 7182  
Ion Ratio Lower Upper  
51 100  
67 17.3 15.7 23.5

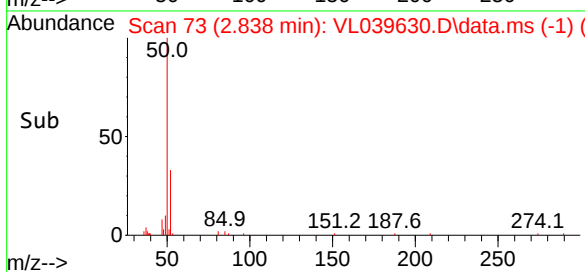
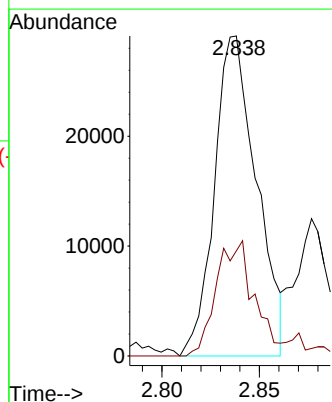
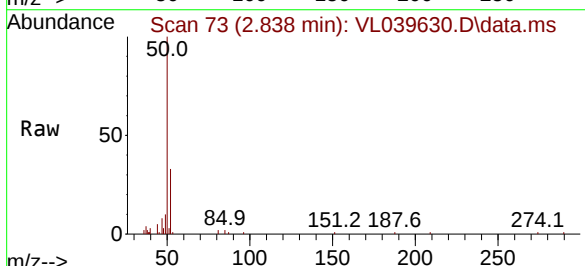
Manual Integrations  
APPROVED

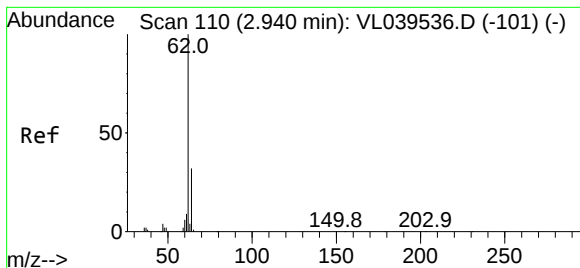
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#4  
Chloromethane  
Concen: 0.521 ppbv  
RT: 2.838 min Scan# 73  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Tgt Ion: 50 Resp: 43690  
Ion Ratio Lower Upper  
50 100  
52 32.9 26.5 39.7





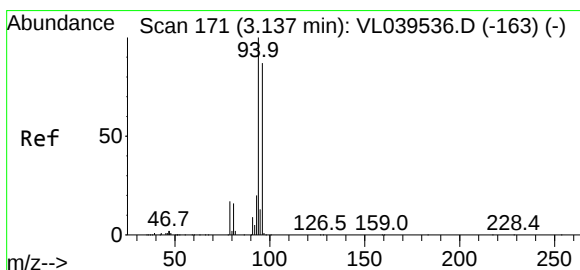
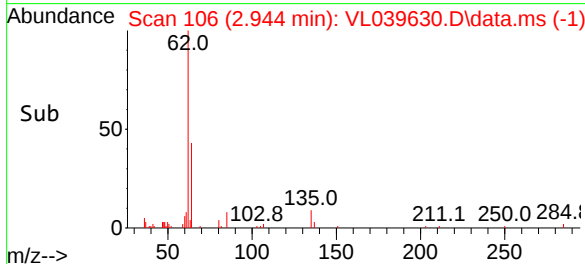
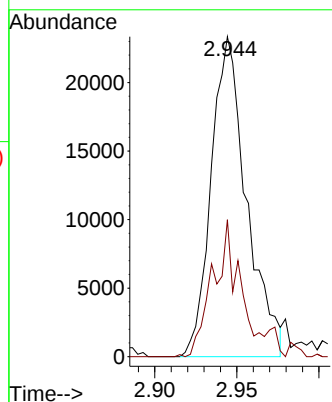
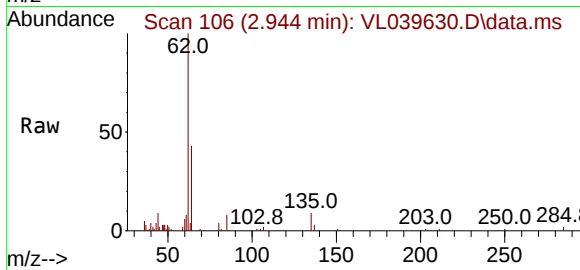
#5  
 Vinyl Chloride  
 Concen: 0.516 ppbv  
 RT: 2.944 min Scan# 106  
 Delta R.T. 0.004 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion: 62 Resp: 3494  
 Ion Ratio Lower Upper  
 62 100  
 64 42.1 24.6 36.8

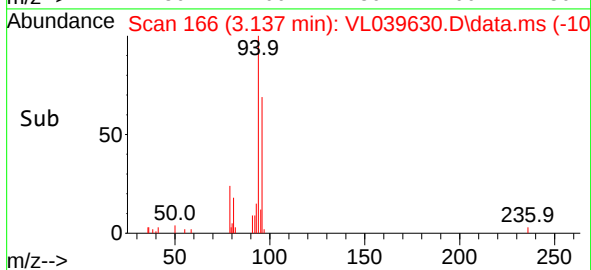
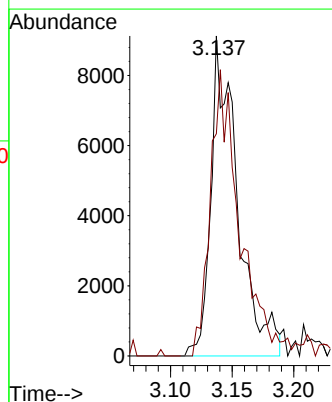
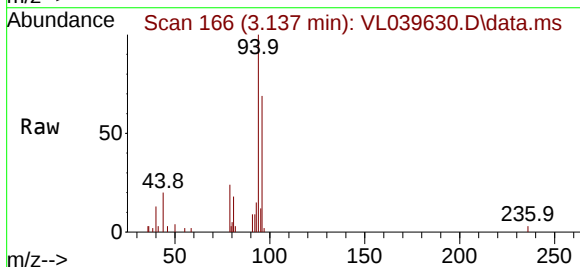
Manual Integrations  
 APPROVED

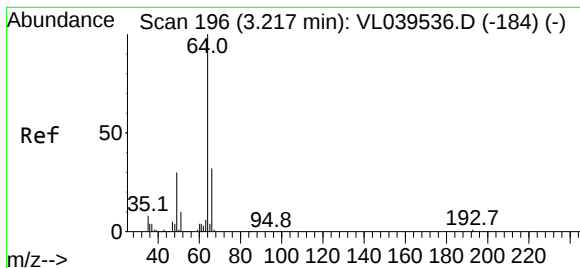
Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022



#6  
 Bromomethane  
 Concen: 0.477 ppbv m  
 RT: 3.137 min Scan# 166  
 Delta R.T. 0.001 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

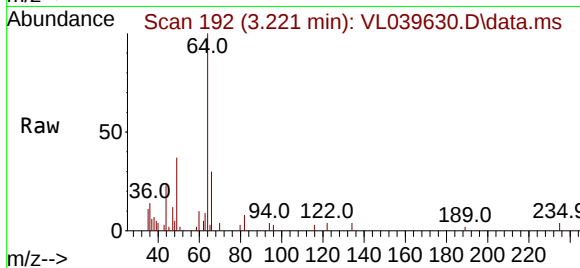
Tgt Ion: 94 Resp: 13686  
 Ion Ratio Lower Upper  
 94 100  
 96 69.5 75.6 113.4





#7  
Chloroethane  
Concen: 0.486 ppbv  
RT: 3.221 min Scan# 196  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

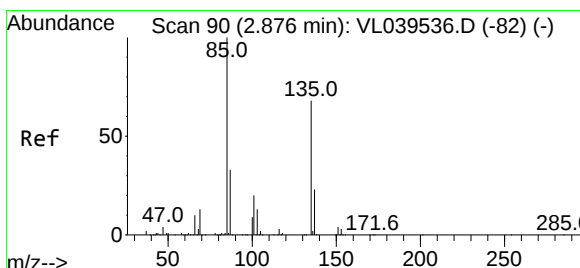
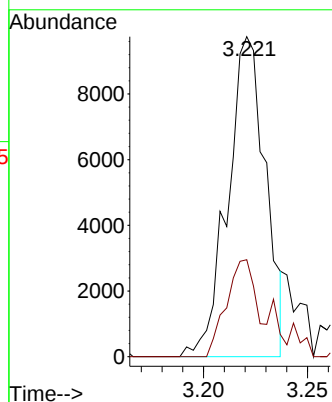
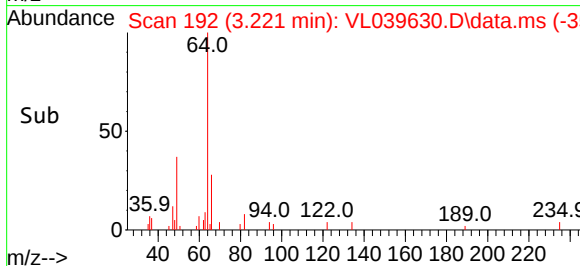
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5



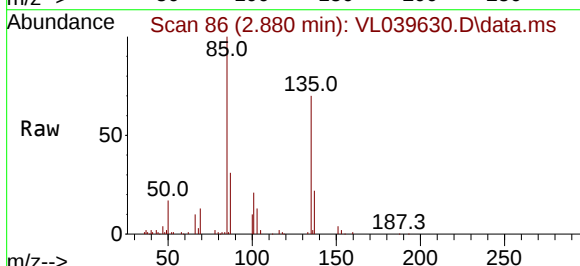
Tgt Ion: 64 Resp: 1232  
Ion Ratio Lower Upper  
64 100  
66 30.3 24.7 37.1

Manual Integrations  
APPROVED

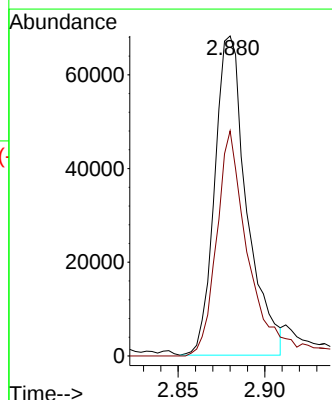
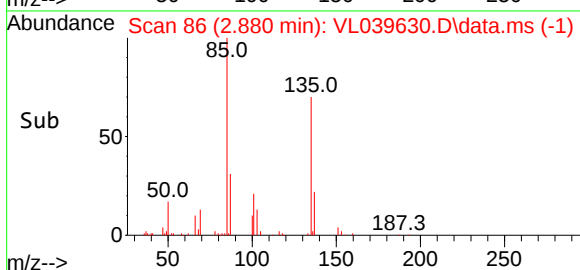
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022

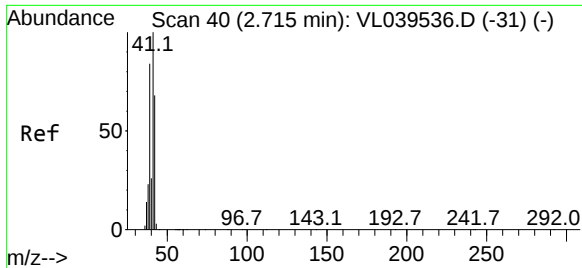


#8  
Dichlorotetrafluoroethane  
Concen: 0.528 ppbv  
RT: 2.880 min Scan# 86  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01



Tgt Ion: 85 Resp: 87866  
Ion Ratio Lower Upper  
85 100  
135 73.0 59.0 88.4





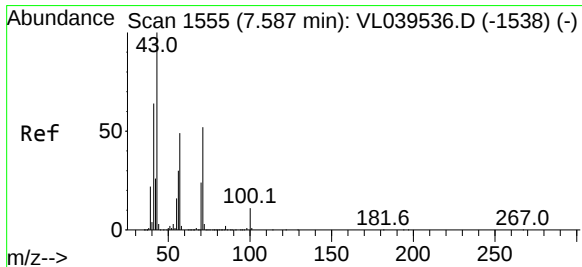
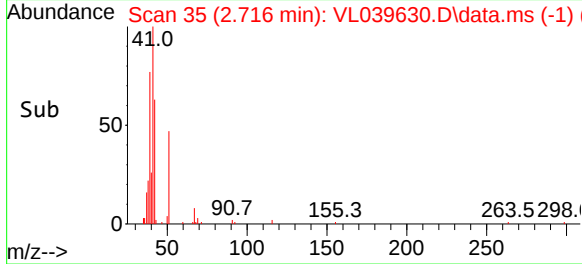
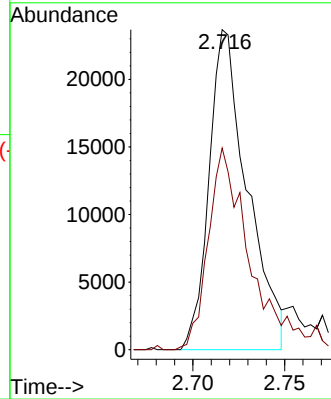
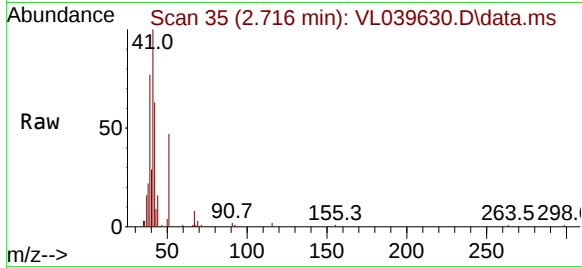
#9  
 Propene  
 Concen: 0.540 ppbv  
 RT: 2.716 min Scan# 31  
 Delta R.T. 0.001 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion: 41 Resp: 34400  
 Ion Ratio Lower Upper  
 41 100  
 42 71.8 55.2 82.8

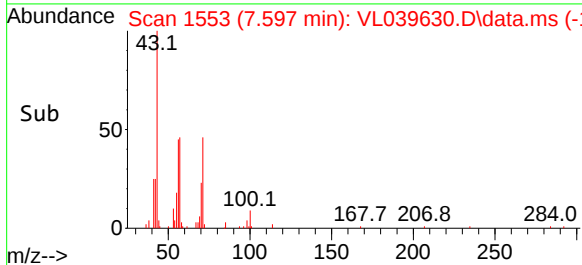
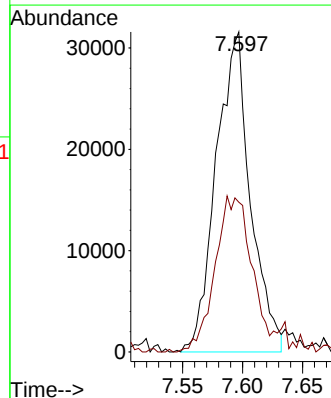
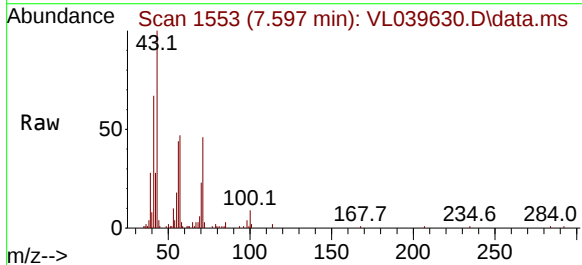
Manual Integrations  
 APPROVED

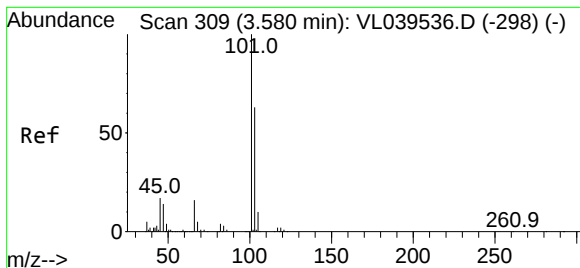
Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022



#10  
 Heptane  
 Concen: 0.426 ppbv  
 RT: 7.597 min Scan# 1553  
 Delta R.T. 0.010 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

Tgt Ion: 43 Resp: 62838  
 Ion Ratio Lower Upper  
 43 100  
 57 55.8 40.5 60.7





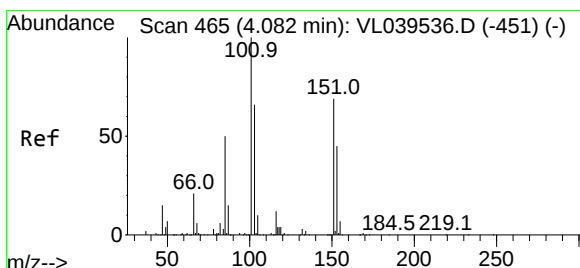
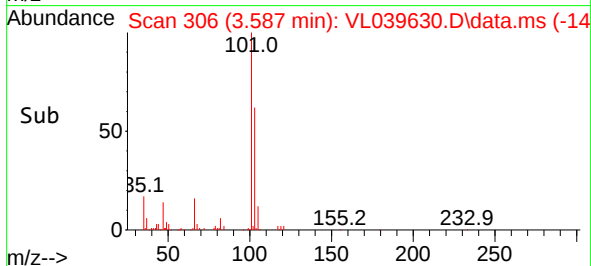
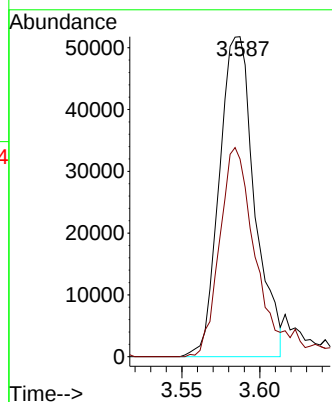
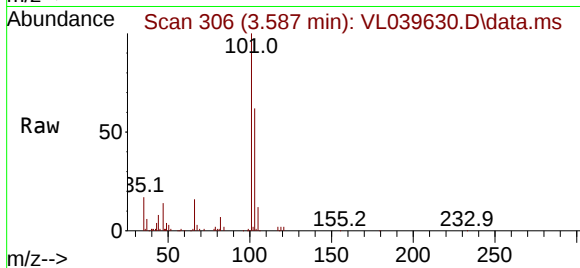
#11  
 Trichlorofluoromethane  
 Concen: 0.478 ppbv  
 RT: 3.587 min Scan# 309  
 Delta R.T. 0.007 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion:101 Resp: 8158  
 Ion Ratio Lower Upper  
 101 100  
 103 61.8 51.8 77.8

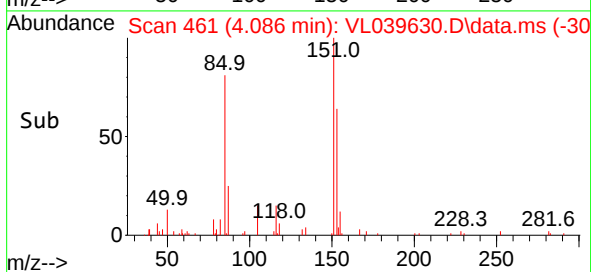
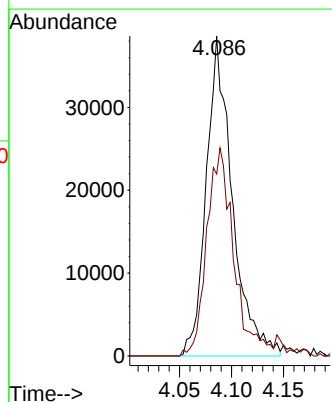
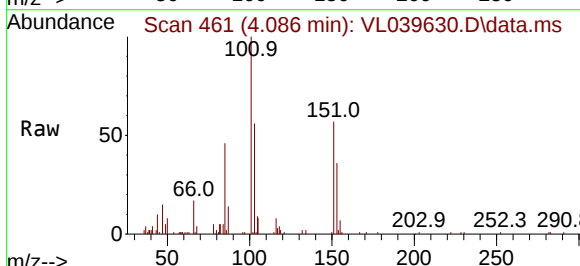
Manual Integrations  
 APPROVED

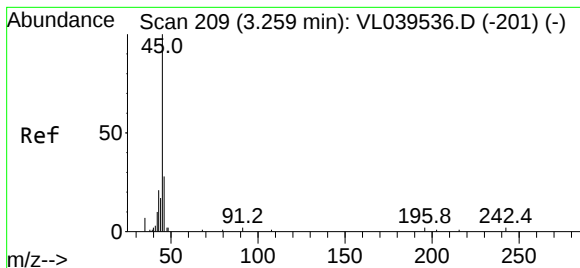
Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.533 ppbv  
 RT: 4.086 min Scan# 461  
 Delta R.T. 0.004 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

Tgt Ion:101 Resp: 67245  
 Ion Ratio Lower Upper  
 101 100  
 151 70.3 58.9 88.3





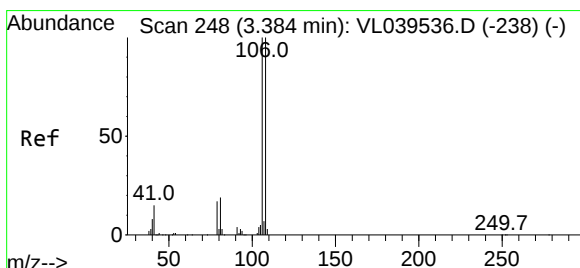
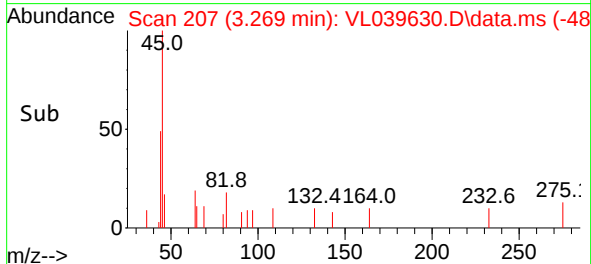
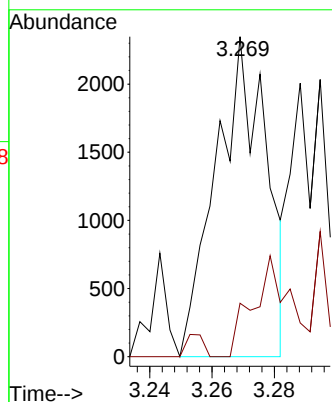
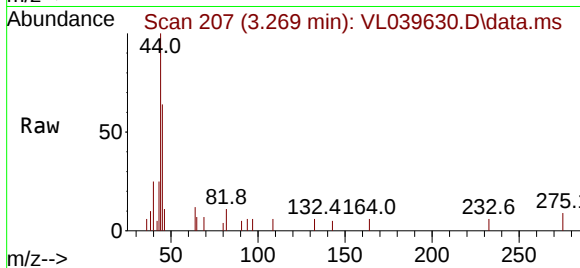
#13  
Ethanol  
Concen: 0.573 ppbv  
RT: 3.269 min Scan# 209  
Delta R.T. 0.010 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 45 Resp: 2620  
Ion Ratio Lower Upper  
45 100  
46 0.0 22.8 91.2

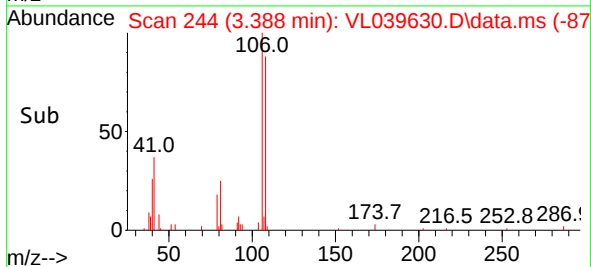
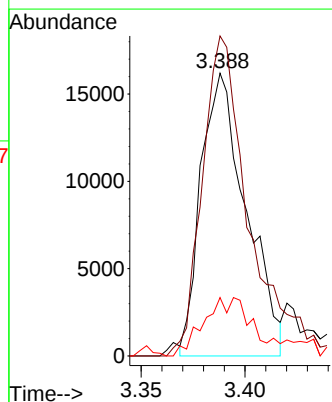
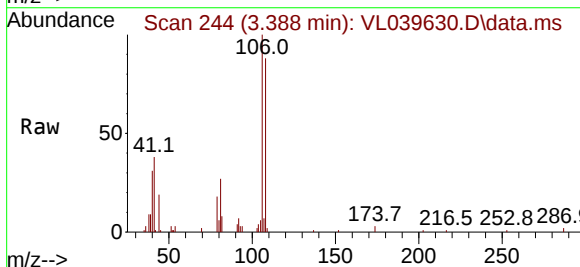
Manual Integrations  
APPROVED

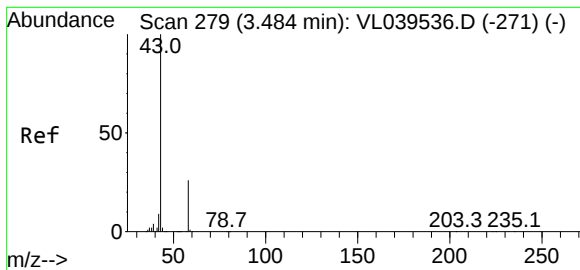
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#14  
Bromoethene  
Concen: 0.475 ppbv  
RT: 3.388 min Scan# 244  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

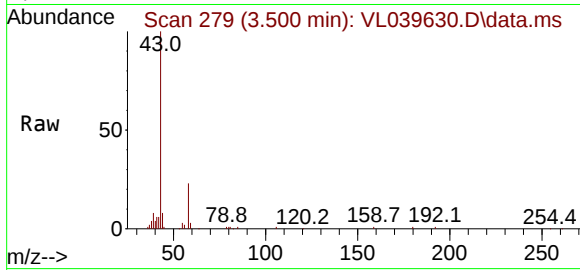
Tgt Ion:108 Resp: 24519  
Ion Ratio Lower Upper  
108 100  
106 125.1 87.1 130.7  
79 27.6 14.6 22.0





#15  
Acetone  
Concen: 0.503 ppbv  
RT: 3.500 min Scan# 21  
Delta R.T. 0.017 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

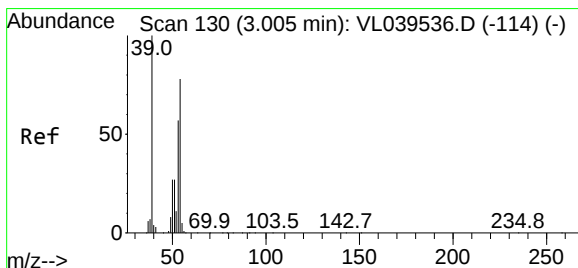
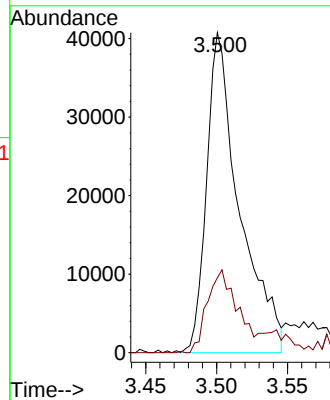
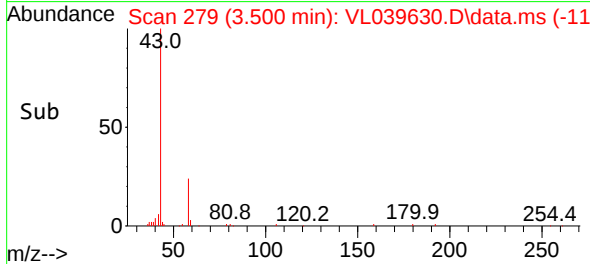
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.5



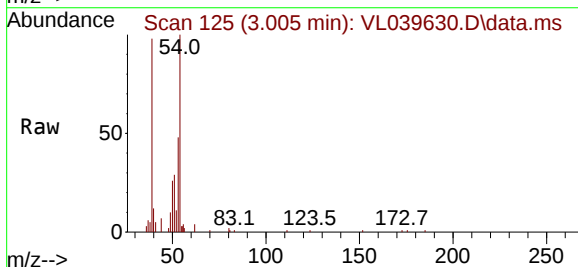
Tgt Ion: 43 Resp: 6584  
Ion Ratio Lower Upper  
43 100  
58 32.5 21.0 31.6

Manual Integrations  
APPROVED

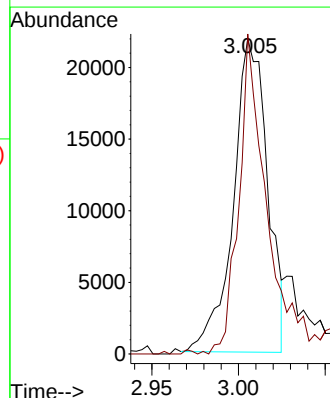
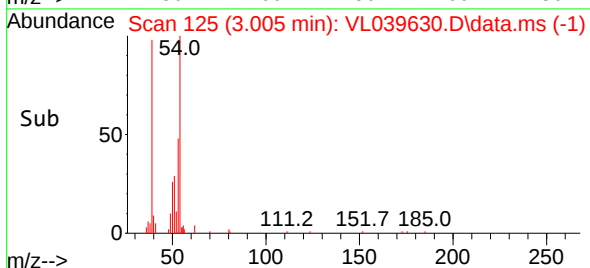
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022

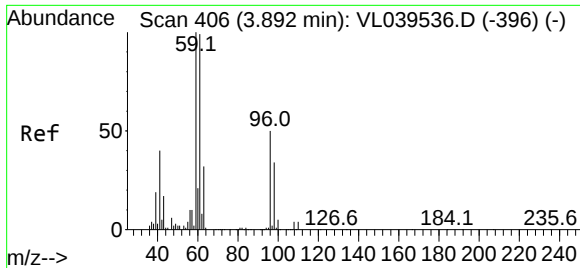


#16  
1,3-Butadiene  
Concen: 0.441 ppbv  
RT: 3.005 min Scan# 125  
Delta R.T. 0.001 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01



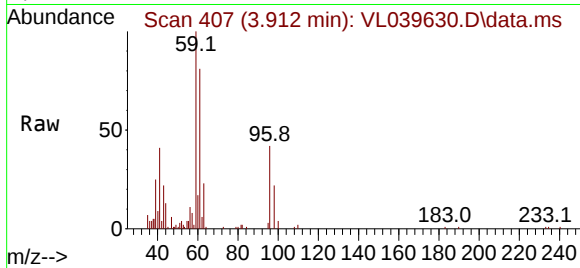
Tgt Ion: 39 Resp: 30105  
Ion Ratio Lower Upper  
39 100  
54 90.9 63.7 95.5





#17  
tert-Butyl alcohol  
Concen: 0.495 ppbv  
RT: 3.912 min Scan# 407  
Delta R.T. 0.020 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

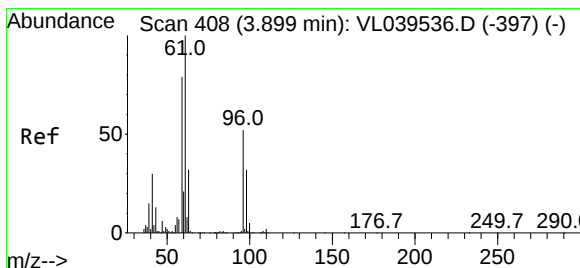
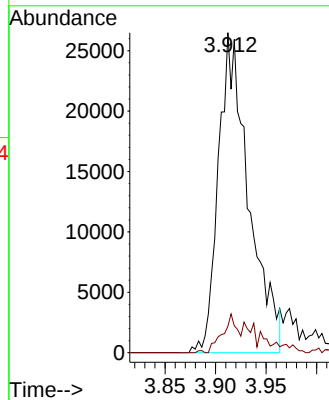
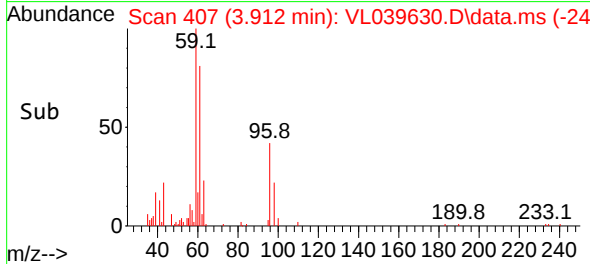
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5



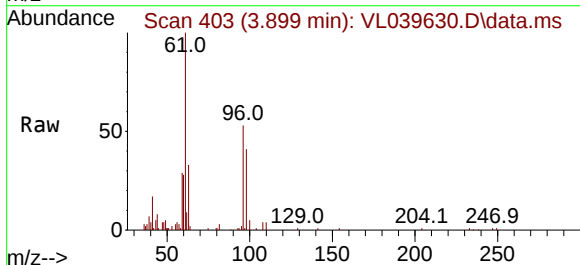
Tgt Ion: 59 Resp: 55336  
Ion Ratio Lower Upper  
59 100  
57 12.6 8.7 13.1

Manual Integrations  
APPROVED

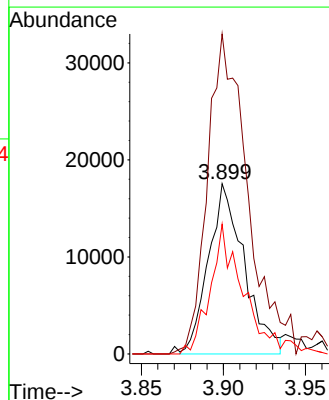
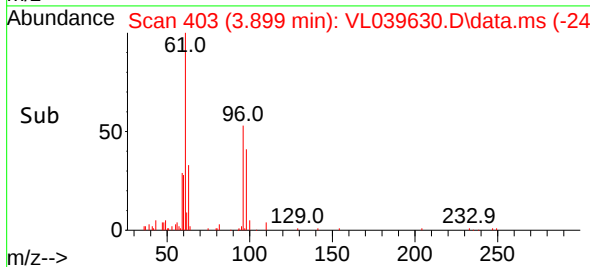
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022

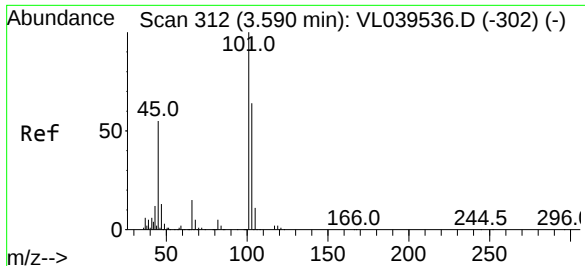


#18  
1,1-Dichloroethene  
Concen: 0.468 ppbv  
RT: 3.899 min Scan# 403  
Delta R.T. 0.001 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01



Tgt Ion: 96 Resp: 26613  
Ion Ratio Lower Upper  
96 100  
61 204.3 152.2 228.4  
98 77.2 51.8 77.6





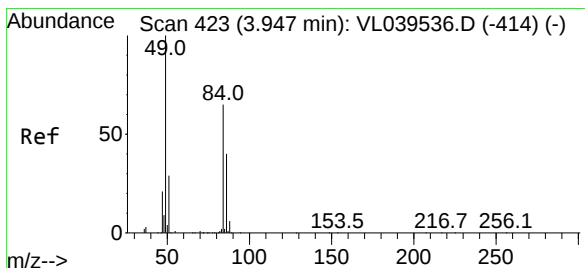
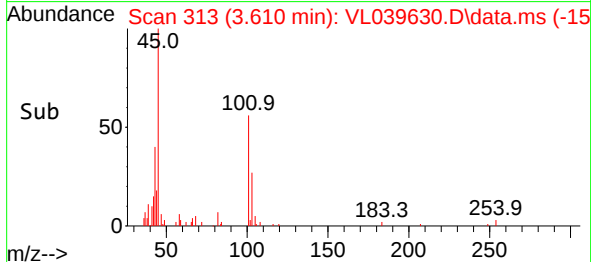
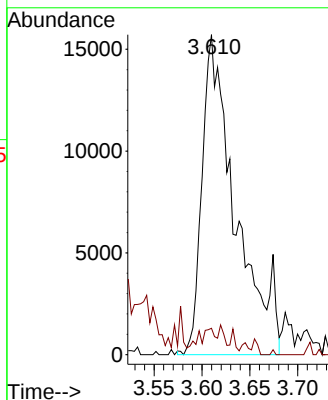
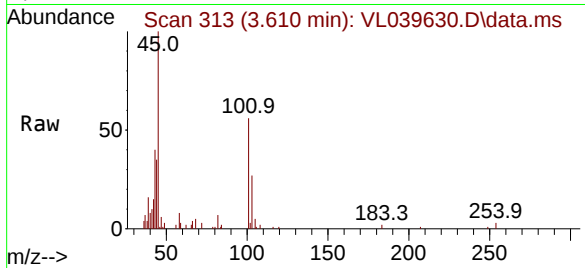
#19  
Isopropyl Alcohol  
Concen: 0.594 ppbv m  
RT: 3.610 min Scan# 312  
Delta R.T. 0.020 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 45 Resp: 37824  
Ion Ratio Lower Upper  
45 100  
58 0.0 3.2 4.8

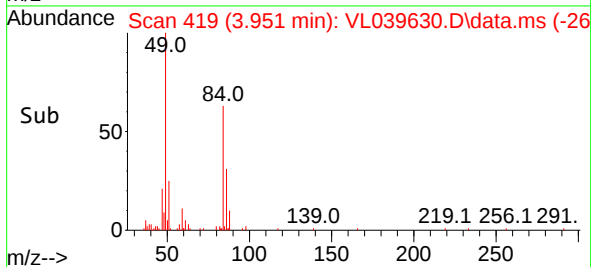
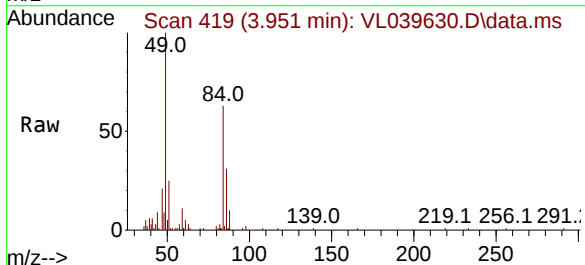
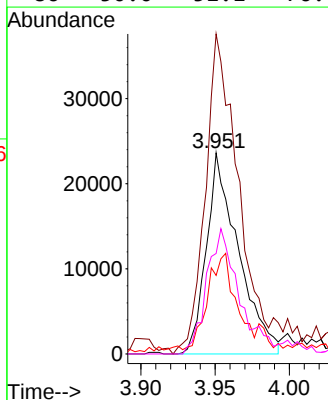
Manual Integrations  
APPROVED

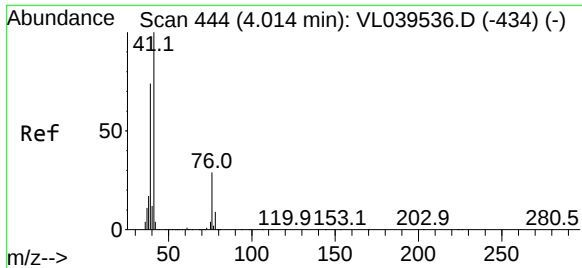
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#20  
Methylene Chloride  
Concen: 0.666 ppbv  
RT: 3.951 min Scan# 419  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Tgt Ion: 84 Resp: 35410  
Ion Ratio Lower Upper  
84 100  
49 155.9 123.1 184.7  
51 35.1 34.4 51.6  
86 50.0 51.1 76.7





#21  
 Allyl Chloride  
 Concen: 0.549 ppbv m  
 RT: 4.015 min Scan# 41  
 Delta R.T. 0.001 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

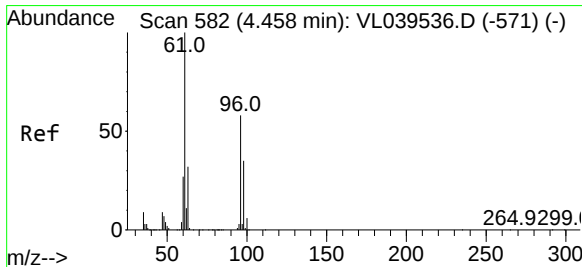
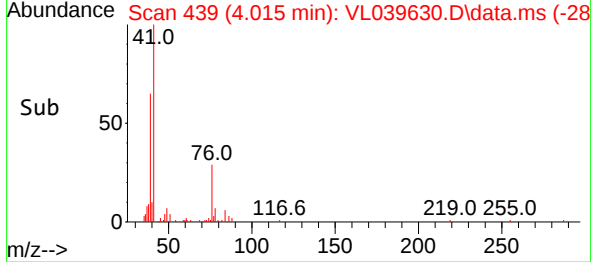
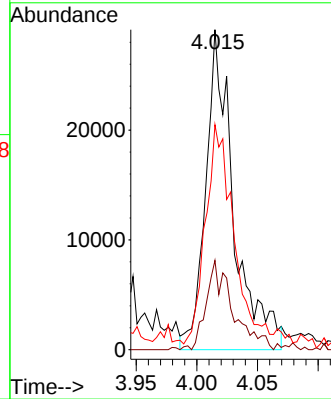
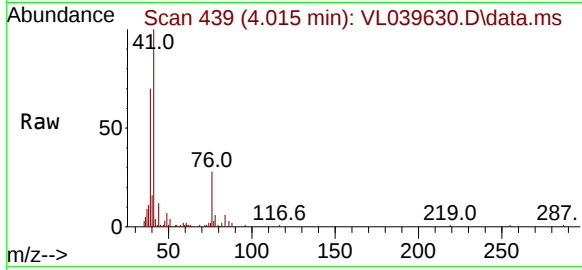
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion: 41 Resp: 46760

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 76  | 27.7  | 24.4  | 36.6  |
| 39  | 85.4  | 63.5  | 95.3  |

Manual Integrations  
 APPROVED

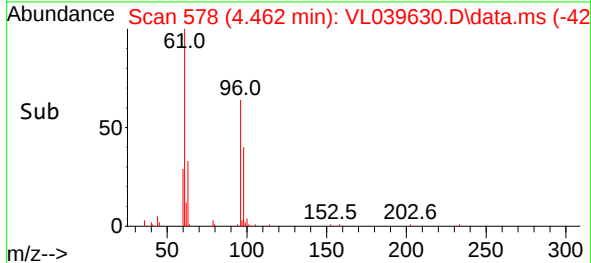
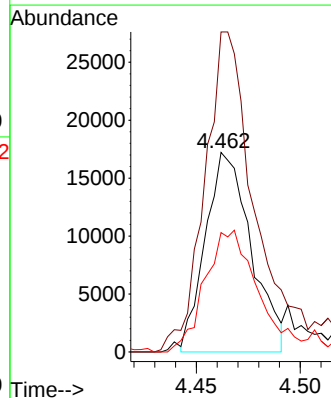
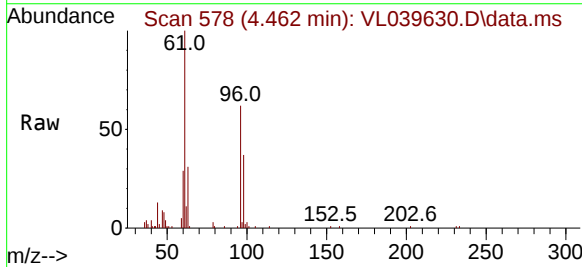
Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022

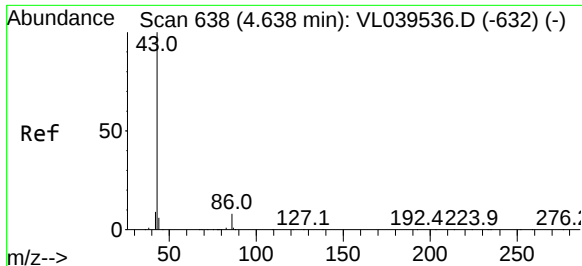


#22  
 trans-1,2-Dichloroethene  
 Concen: 0.465 ppbv  
 RT: 4.462 min Scan# 578  
 Delta R.T. 0.004 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

Tgt Ion: 96 Resp: 26312

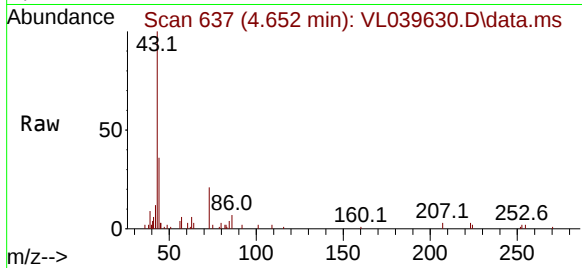
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 153.6 | 130.6 | 195.8 |
| 98  | 55.6  | 53.4  | 80.0  |





#23  
 Vinyl Acetate  
 Concen: 0.489 ppbv m  
 RT: 4.652 min Scan# 616  
 Delta R.T. 0.013 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

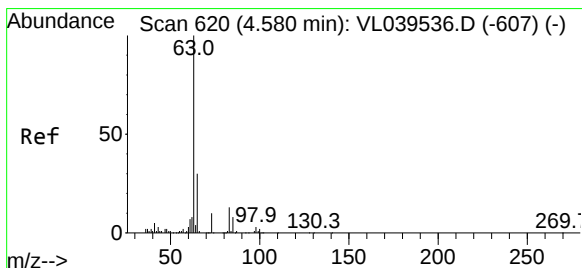
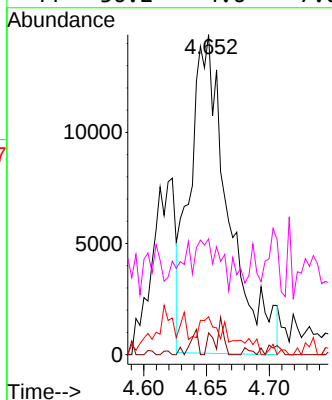
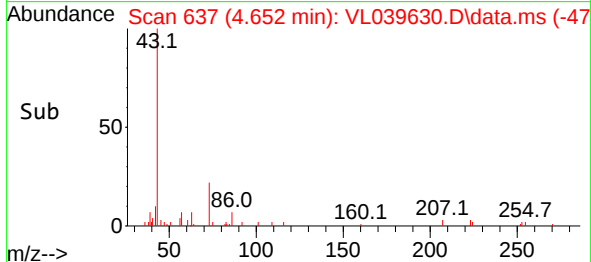
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.5



| Tgt Ion: | 43    | Resp: | 3044  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 6.8   | 5.0   | 7.6   |
| 42       | 11.9  | 7.7   | 11.5  |
| 44       | 36.2  | 4.6   | 7.0   |

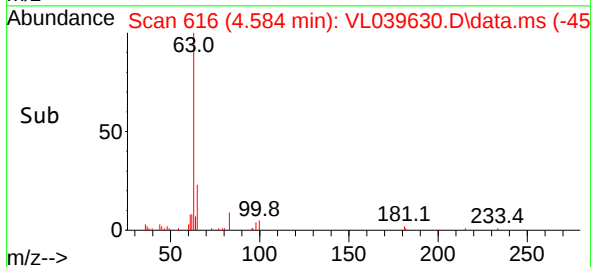
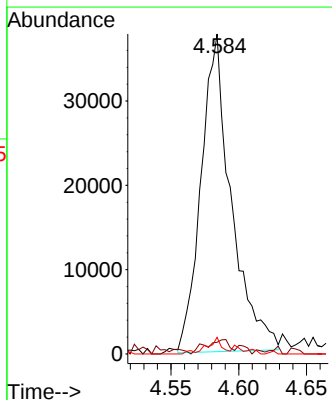
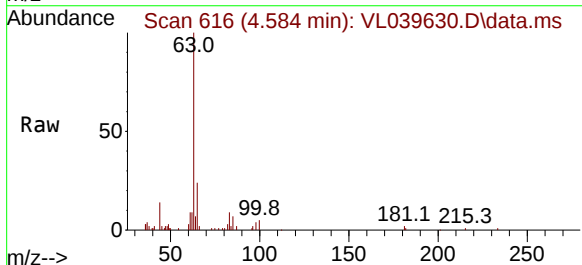
Manual Integrations  
 APPROVED

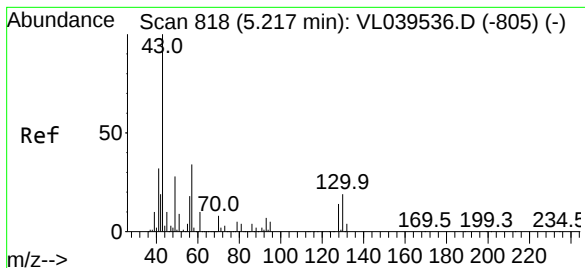
Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022



#24  
 1,1-Dichloroethane  
 Concen: 0.507 ppbv  
 RT: 4.584 min Scan# 616  
 Delta R.T. 0.004 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

| Tgt Ion: | 63    | Resp: | 58398 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 2.2   | 1.8   | 5.3   |
| 100      | 5.3   | 1.5   | 4.4   |





#25  
Ethyl Acetate  
Concen: 0.488 ppbv  
RT: 5.227 min Scan# 816  
Delta R.T. 0.010 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

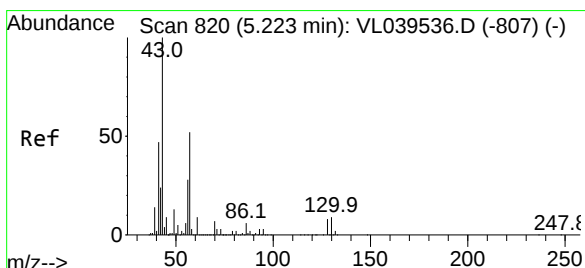
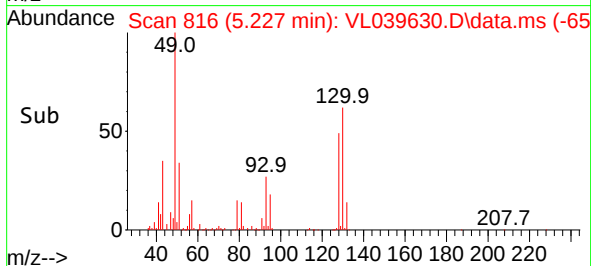
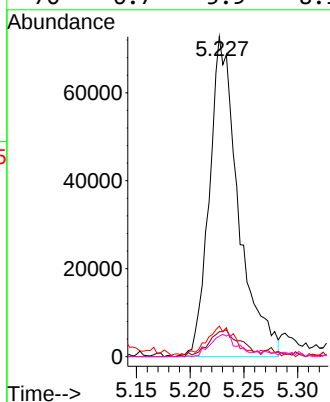
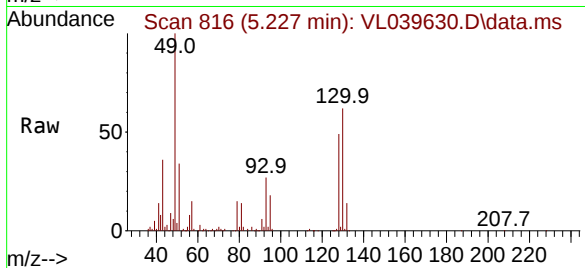
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 43 Resp: 13680

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 11.3  | 8.2   | 12.4  |
| 61  | 11.3  | 8.3   | 12.5  |
| 70  | 6.7   | 5.9   | 8.9   |

Manual Integrations  
APPROVED

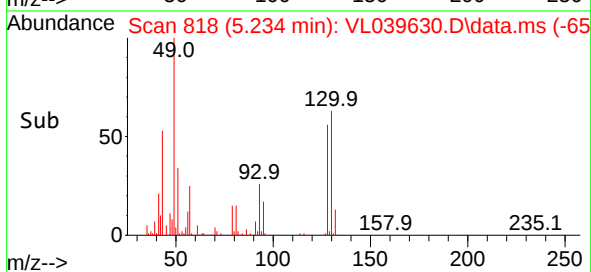
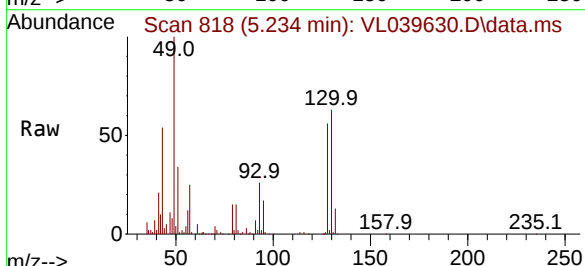
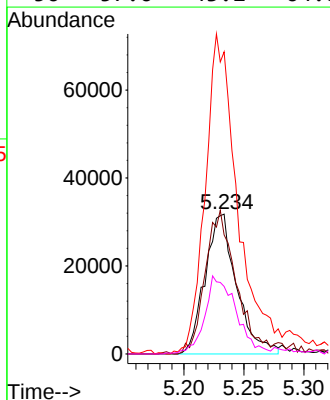
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022

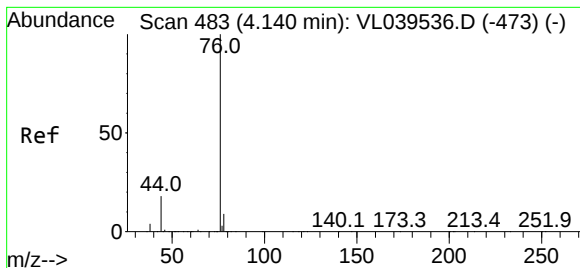


#26  
Hexane  
Concen: 0.510 ppbv  
RT: 5.234 min Scan# 818  
Delta R.T. 0.010 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Tgt Ion: 57 Resp: 58350

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 107.8 | 76.9  | 115.3 |
| 43  | 252.5 | 191.0 | 286.6 |
| 56  | 57.6  | 43.2  | 64.8  |





#27

Carbon Disulfide

Concen: 0.445 ppbv m

RT: 4.144 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL039630.D

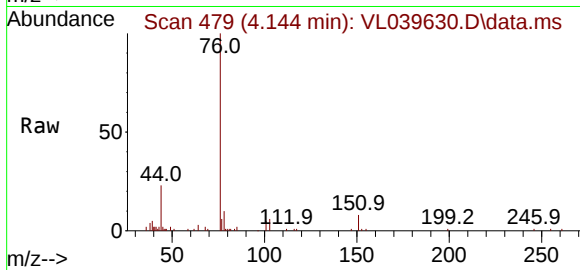
Acq: 19 Sep 2022 11:01

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.5



Tgt Ion: 76 Resp: 5435

Ion Ratio Lower Upper

76 100

44 12.8 14.6 21.8

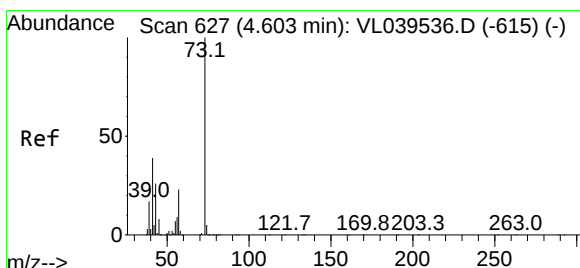
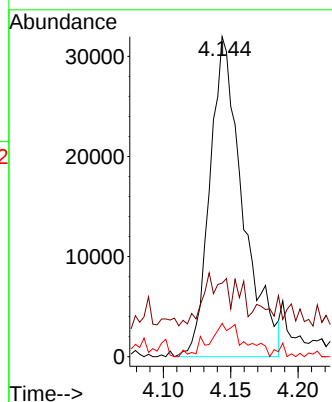
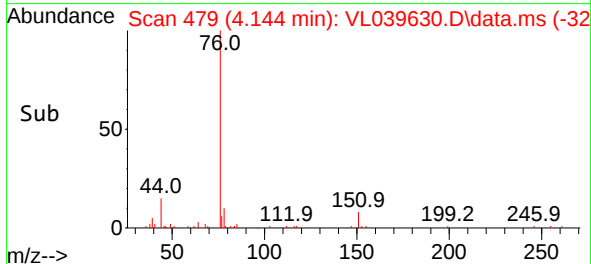
78 11.1 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/21/2022

Supervised By :Mahesh Dadoda 09/21/2022



#28

Methyl tert-Butyl Ether

Concen: 0.506 ppbv m

RT: 4.619 min Scan# 627

Delta R.T. 0.017 min

Lab File: VL039630.D

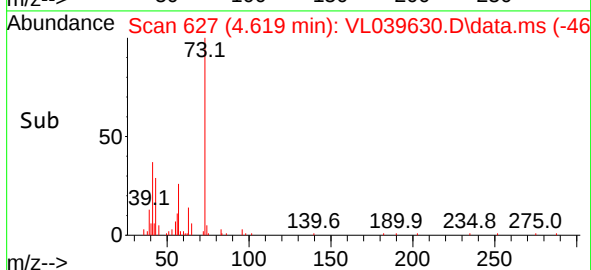
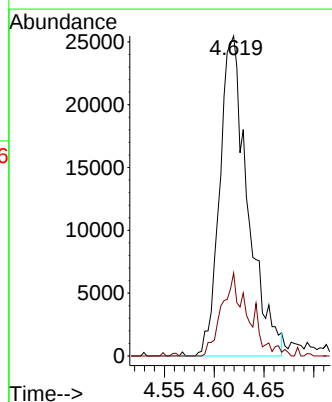
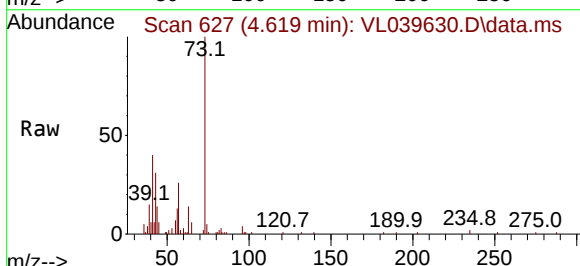
Acq: 19 Sep 2022 11:01

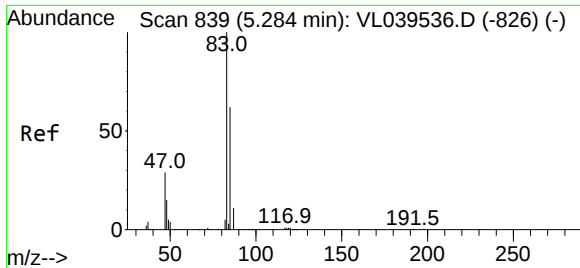
Tgt Ion: 73 Resp: 49880

Ion Ratio Lower Upper

73 100

57 25.1 19.8 29.8





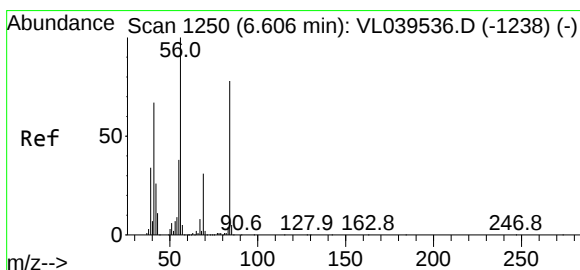
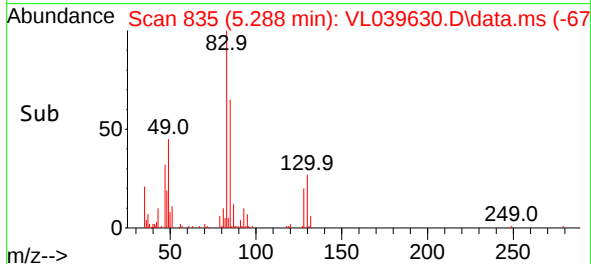
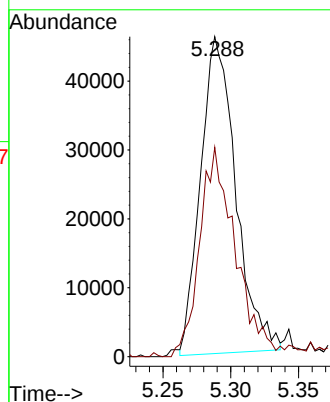
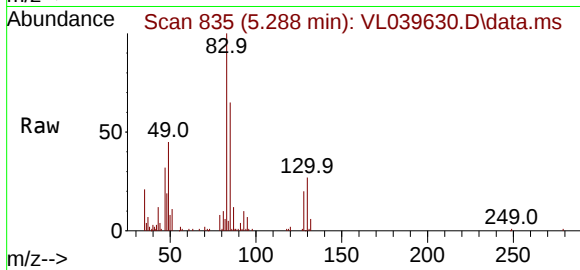
#29  
Chloroform  
Concen: 0.465 ppbv  
RT: 5.288 min Scan# 81  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 83 Resp: 8320  
Ion Ratio Lower Upper  
83 100  
85 63.4 52.8 79.2

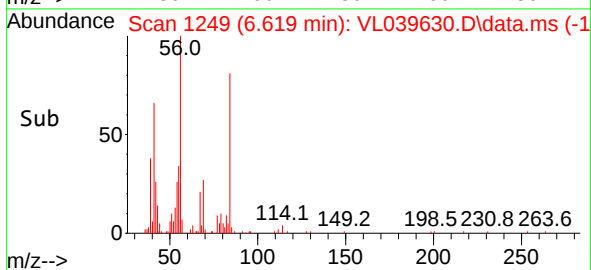
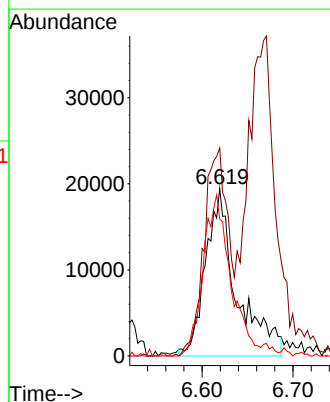
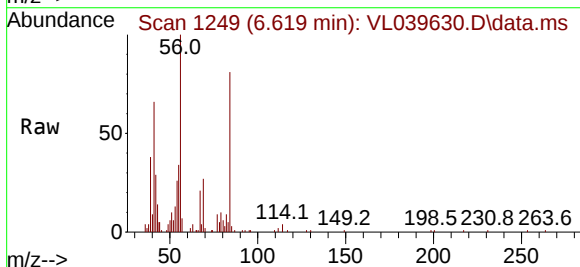
Manual Integrations  
APPROVED

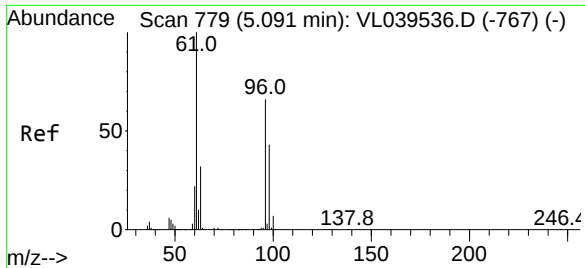
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#30  
Cyclohexane  
Concen: 0.485 ppbv m  
RT: 6.619 min Scan# 1249  
Delta R.T. 0.013 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Tgt Ion: 84 Resp: 45963  
Ion Ratio Lower Upper  
84 100  
56 106.3 107.7 161.5#  
41 89.2 67.7 101.5





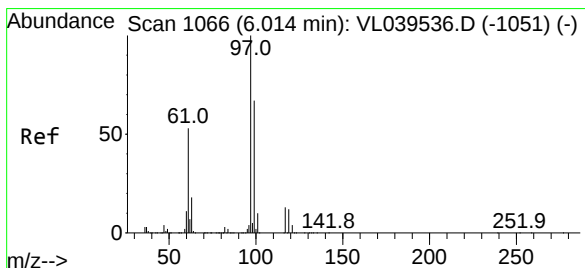
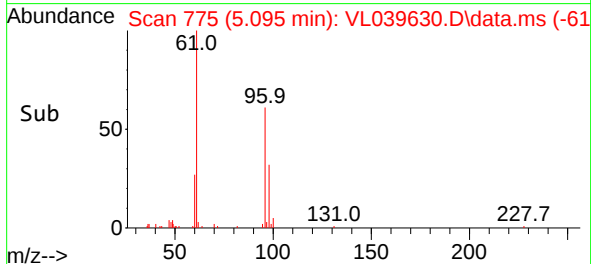
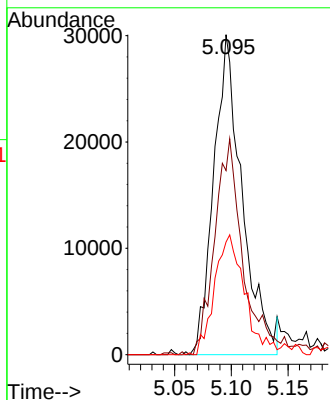
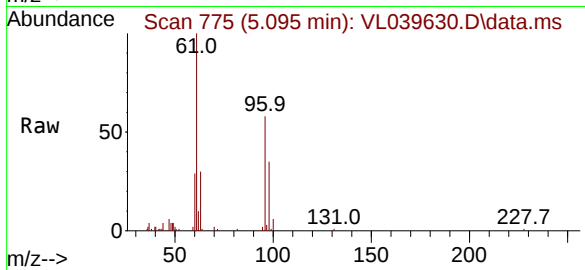
#31  
 cis-1,2-Dichloroethene  
 Concen: 0.471 ppbv m  
 RT: 5.095 min Scan# 71  
 Delta R.T. 0.004 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion: 61 Resp: 5216  
 Ion Ratio Lower Upper  
 61 100  
 96 57.5 54.1 81.1  
 98 35.2 34.6 52.0

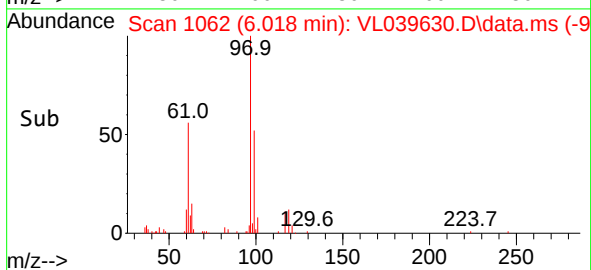
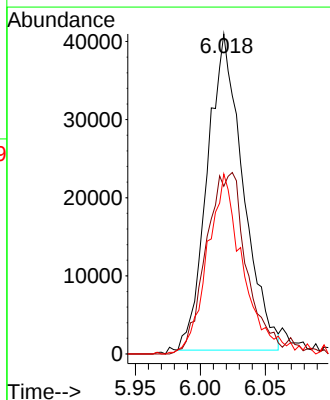
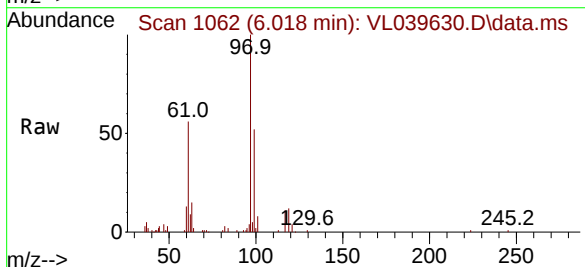
Manual Integrations  
 APPROVED

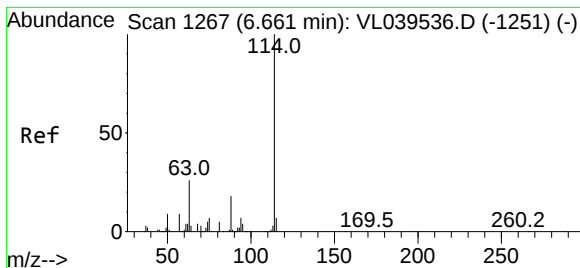
Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022



#32  
 1,1,1-Trichloroethane  
 Concen: 0.493 ppbv  
 RT: 6.018 min Scan# 1062  
 Delta R.T. 0.004 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

Tgt Ion: 97 Resp: 77644  
 Ion Ratio Lower Upper  
 97 100  
 99 67.5 52.3 78.5  
 61 57.6 40.9 61.3





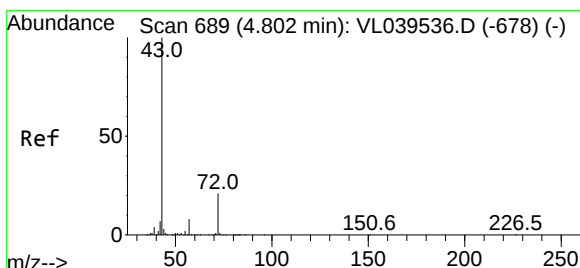
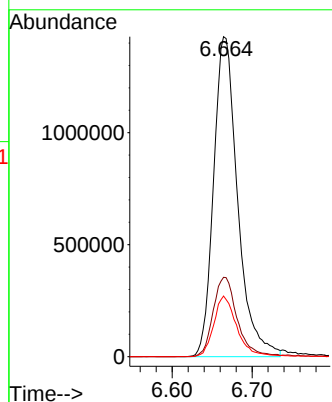
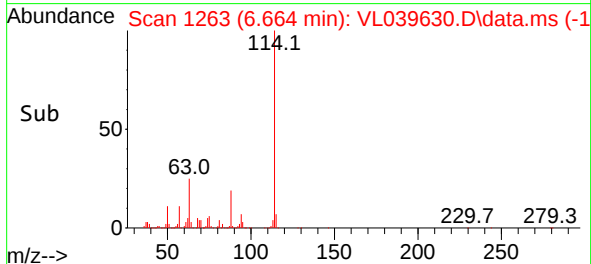
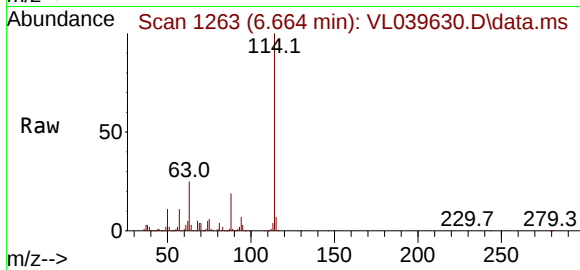
#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.664 min Scan# 111  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion:114 Resp: 297960  
Ion Ratio Lower Upper  
114 100  
63 25.3 20.2 30.4  
88 18.4 14.5 21.7

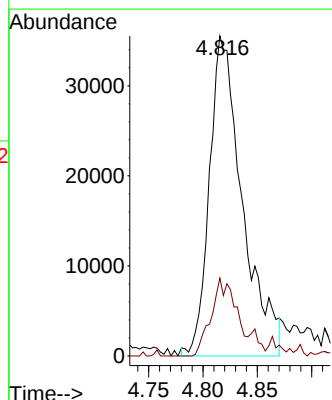
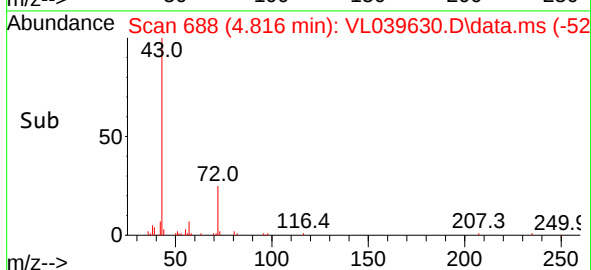
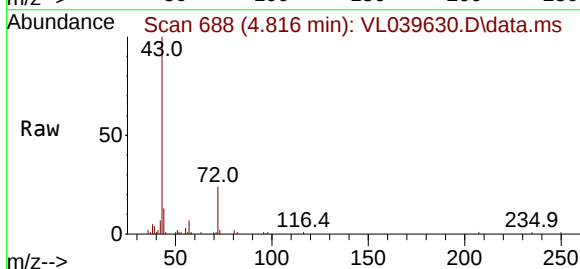
Manual Integrations  
APPROVED

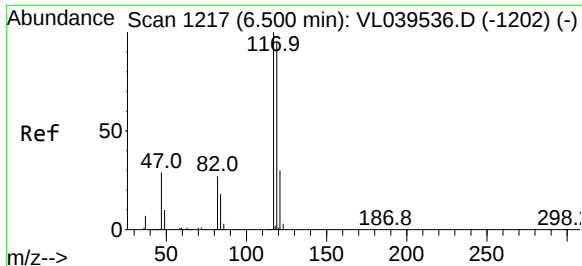
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#34  
2-Butanone  
Concen: 0.507 ppbv m  
RT: 4.816 min Scan# 688  
Delta R.T. 0.013 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

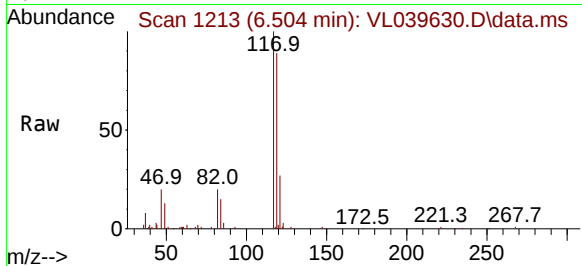
Tgt Ion: 43 Resp: 75043  
Ion Ratio Lower Upper  
43 100  
72 23.5 17.9 26.9





#35  
Carbon Tetrachloride  
Concen: 0.500 ppbv  
RT: 6.504 min Scan# 1175  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

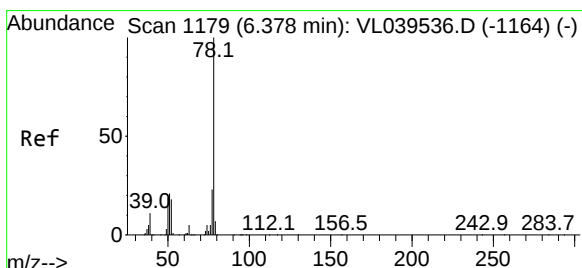
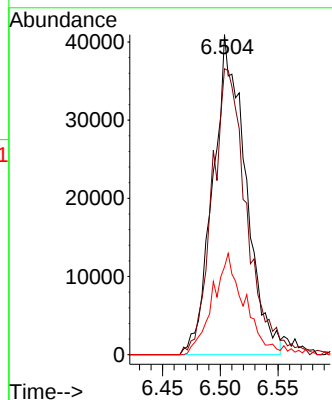
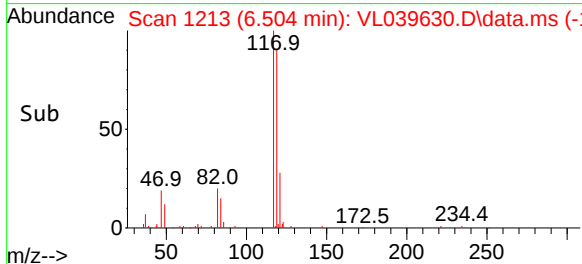
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.5



Tgt Ion: 117 Resp: 8054  
Ion Ratio Lower Upper  
117 100  
119 89.4 75.4 113.2  
121 27.4 24.2 36.2

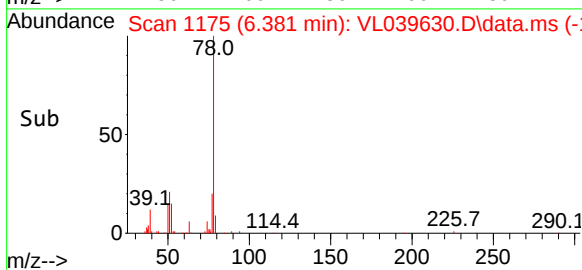
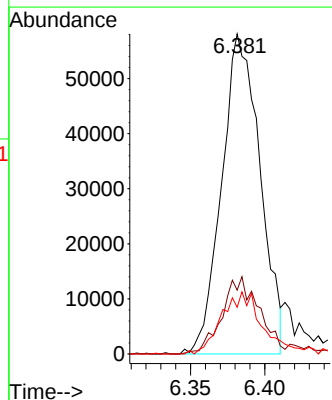
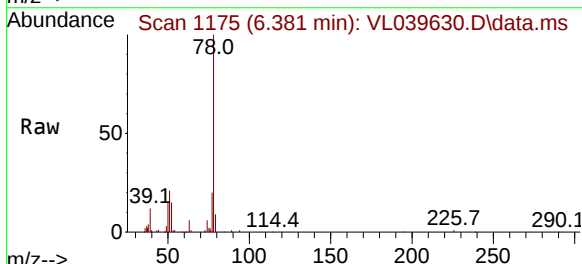
Manual Integrations  
APPROVED

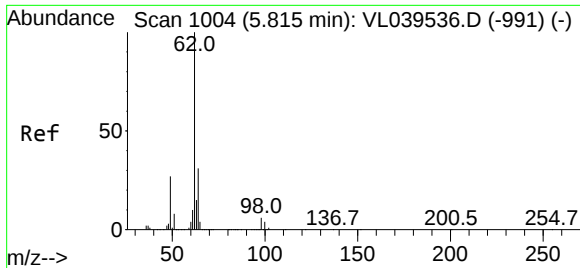
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#36  
Benzene  
Concen: 0.459 ppbv  
RT: 6.381 min Scan# 1175  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

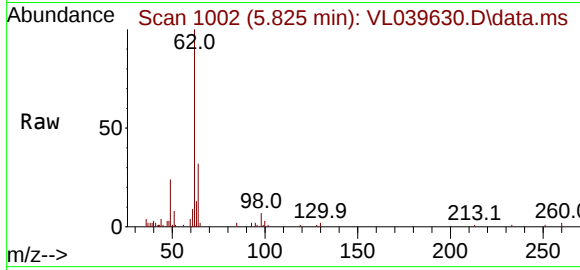
Tgt Ion: 78 Resp: 104313  
Ion Ratio Lower Upper  
78 100  
77 20.0 20.3 30.5#  
50 14.6 15.5 23.3#





#37  
1,2-Dichloroethane  
Concen: 0.502 ppbv  
RT: 5.825 min Scan# 1002  
Delta R.T. 0.010 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

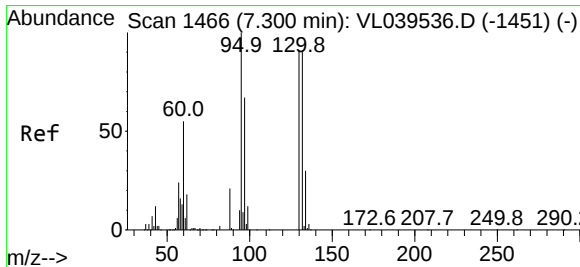
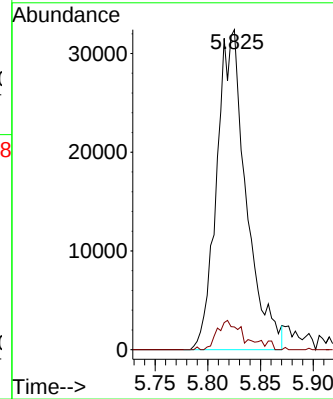
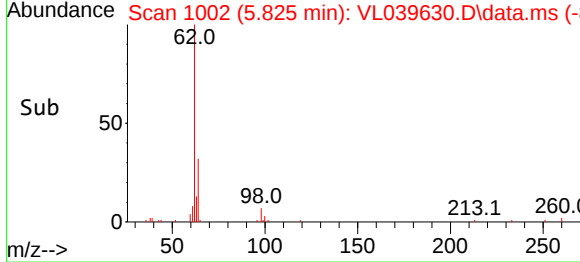
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5



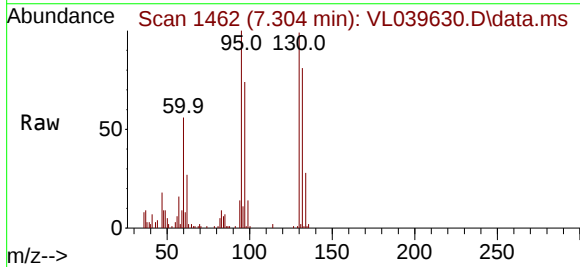
Tgt Ion: 62 Resp: 62810  
Ion Ratio Lower Upper  
62 100  
98 8.8 5.1 7.7

Manual Integrations  
APPROVED

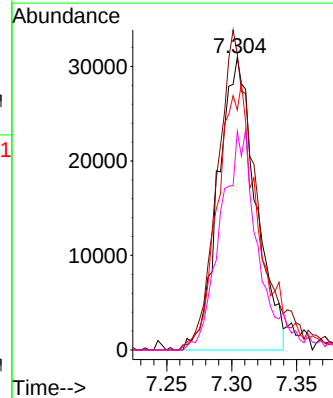
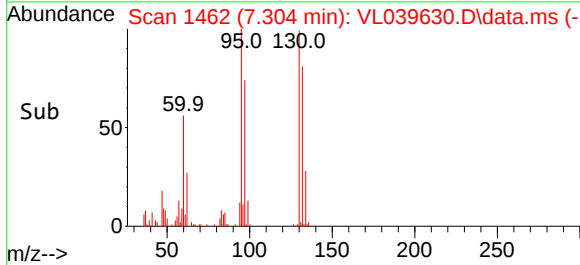
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022

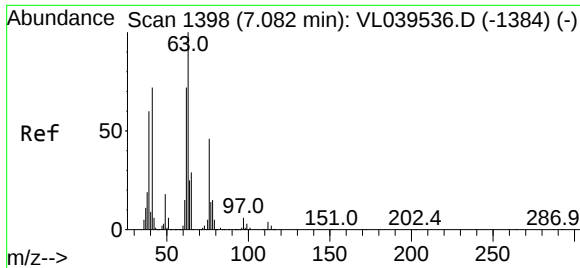


#38  
Trichloroethene  
Concen: 0.508 ppbv  
RT: 7.304 min Scan# 1462  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01



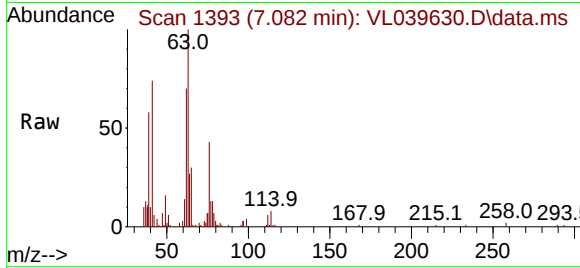
Tgt Ion:130 Resp: 61840  
Ion Ratio Lower Upper  
130 100  
95 99.5 87.3 130.9  
132 81.0 76.7 115.1  
97 74.7 56.5 84.7





#39  
1,2-Dichloropropane  
Concen: 0.530 ppbv m  
RT: 7.082 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

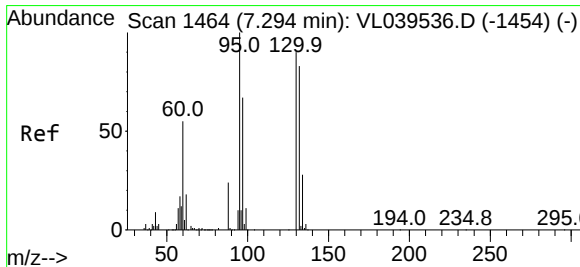
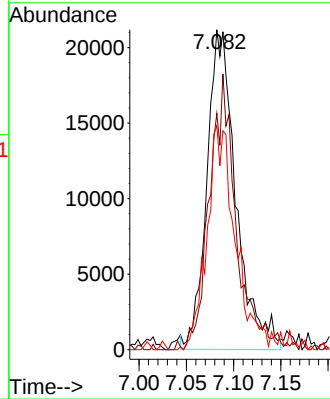
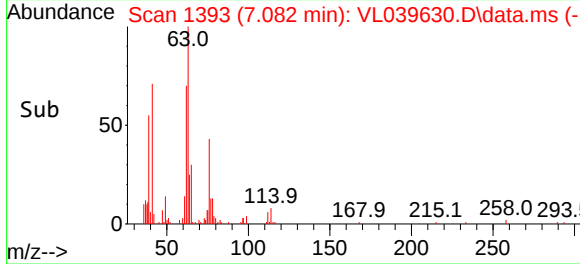
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.5



Tgt Ion: 63 Resp: 45289  
Ion Ratio Lower Upper  
63 100  
41 73.8 59.6 89.4  
62 70.0 51.4 77.0

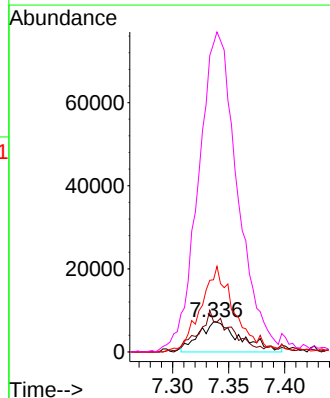
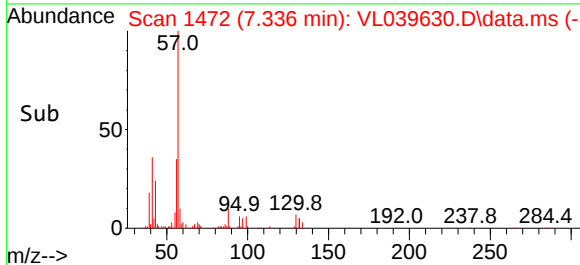
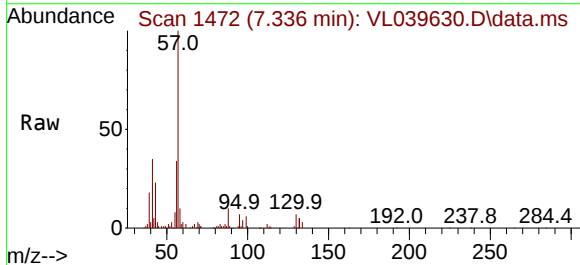
Manual Integrations  
APPROVED

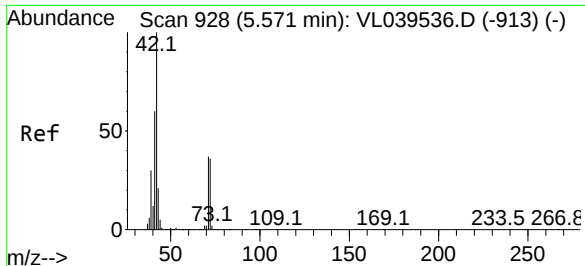
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#40  
1,4-Dioxane  
Concen: 0.564 ppbv m  
RT: 7.336 min Scan# 1472  
Delta R.T. 0.042 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

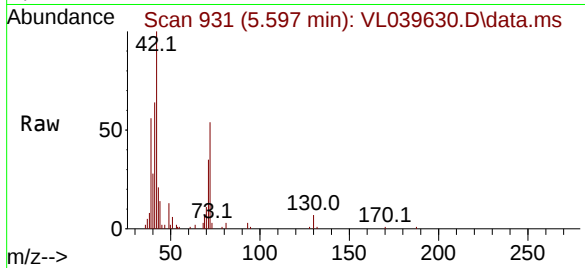
Tgt Ion: 88 Resp: 18858  
Ion Ratio Lower Upper  
88 100  
58 0.0 100.2 150.4#  
43 0.0 205.8 308.6#  
57 0.0 879.1 1318.7#





#41  
Tetrahydrofuran  
Concen: 0.437 ppbv m  
RT: 5.597 min Scan# 91  
Delta R.T. 0.026 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

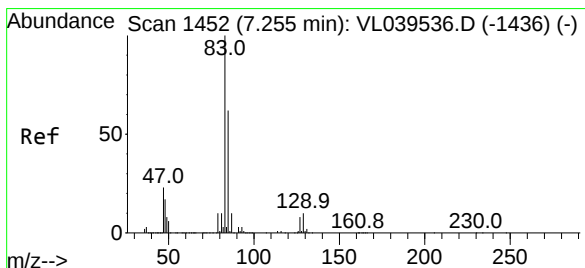
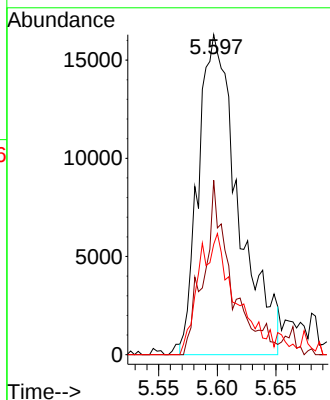
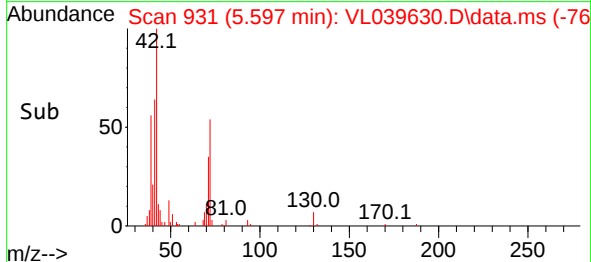
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5



Tgt Ion: 42 Resp: 38700  
Ion Ratio Lower Upper  
42 100  
72 39.8 31.8 47.8  
71 38.8 31.8 47.8

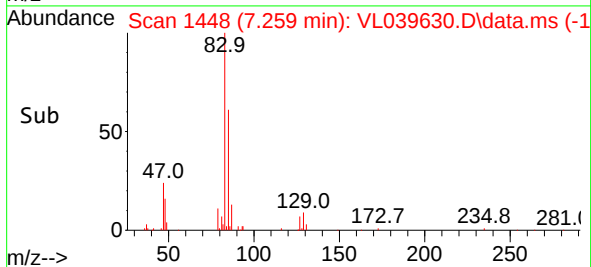
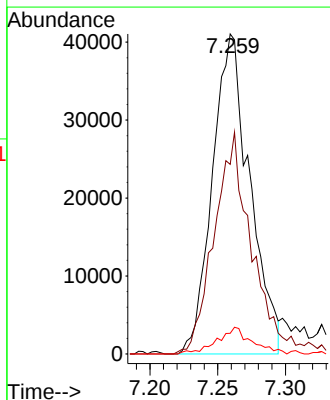
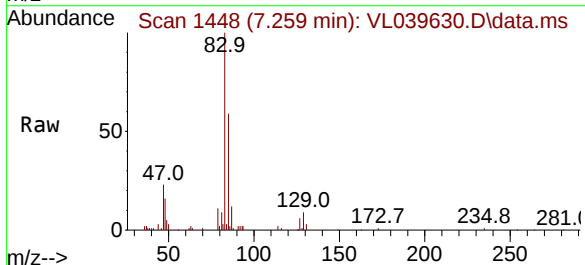
Manual Integrations  
APPROVED

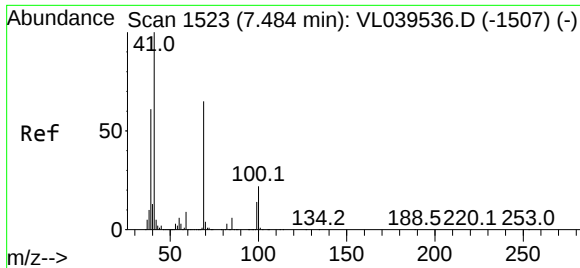
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#42  
Bromodichloromethane  
Concen: 0.460 ppbv  
RT: 7.259 min Scan# 1448  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

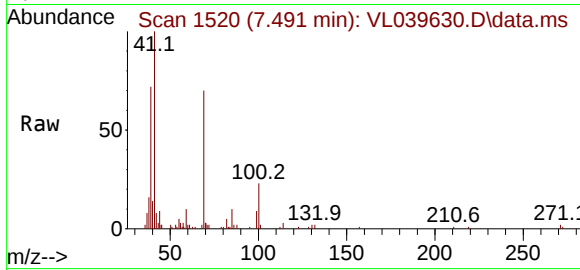
Tgt Ion: 83 Resp: 78819  
Ion Ratio Lower Upper  
83 100  
85 58.6 50.7 76.1  
127 6.5 6.6 9.8#





#43  
Methyl Methacrylate  
Concen: 0.413 ppbv m  
RT: 7.491 min Scan# 1520  
Delta R.T. 0.007 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

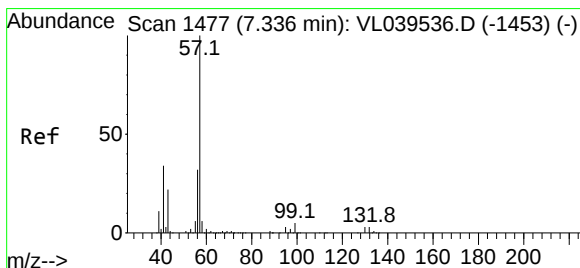
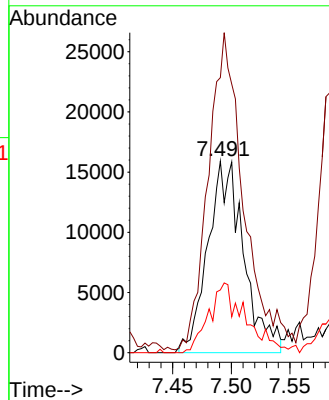
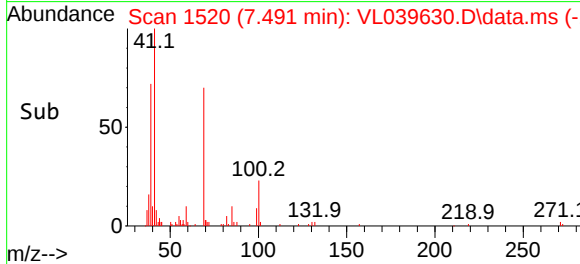
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5



Tgt Ion: 69 Resp: 33862  
Ion Ratio Lower Upper  
69 100  
41 166.2 120.8 181.2  
100 37.6 27.8 41.6

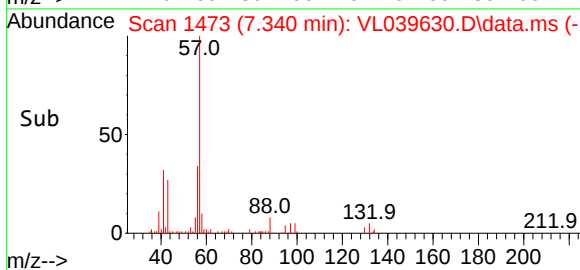
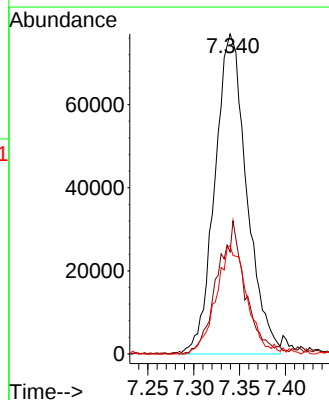
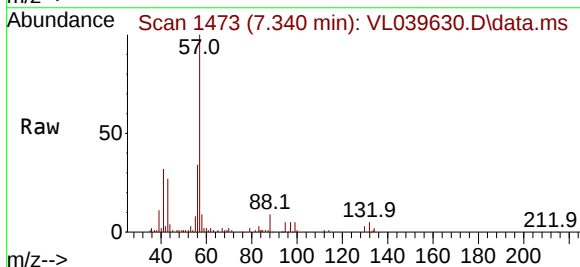
Manual Integrations  
APPROVED

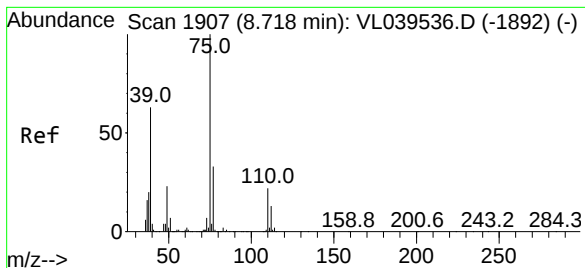
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#44  
2,2,4-Trimethylpentane  
Concen: 0.487 ppbv  
RT: 7.340 min Scan# 1473  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

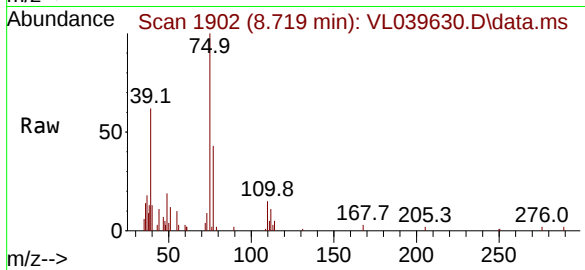
Tgt Ion: 57 Resp: 186598  
Ion Ratio Lower Upper  
57 100  
41 37.8 27.4 41.2  
56 33.5 24.5 36.7





#45  
 t-1,3-Dichloropropene  
 Concen: 0.330 ppbv m  
 RT: 8.719 min Scan# 1907  
 Delta R.T. 0.001 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

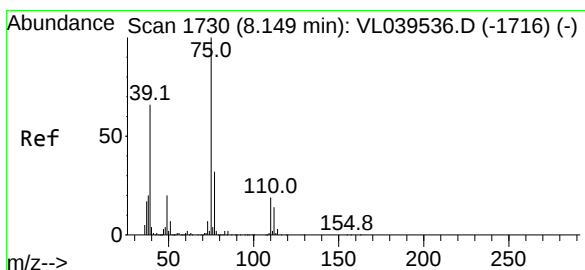
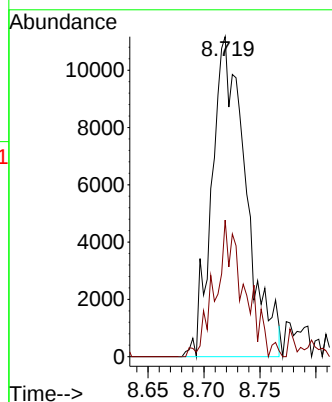
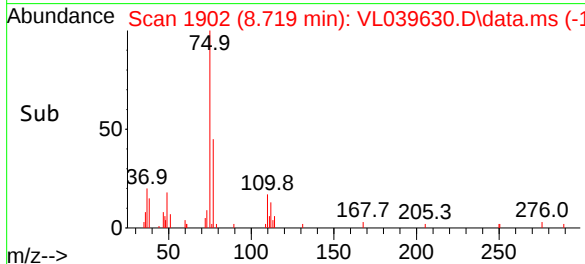
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5



Tgt Ion: 75 Resp: 2357  
 Ion Ratio Lower Upper  
 75 100  
 77 42.7 24.6 36.8

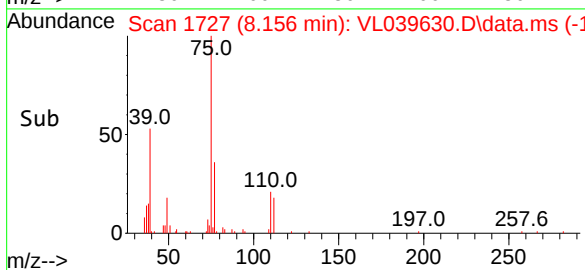
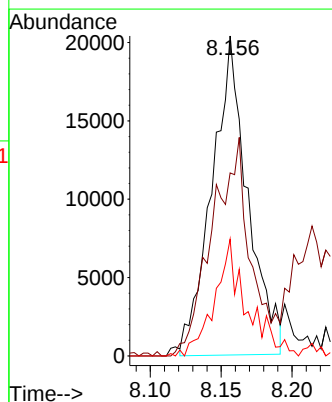
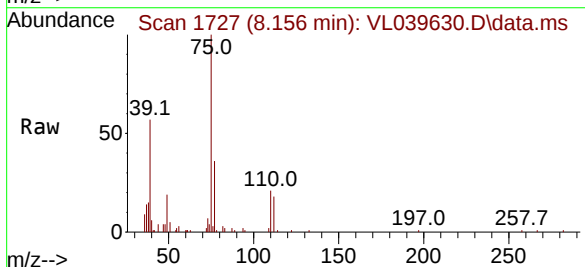
Manual Integrations  
 APPROVED

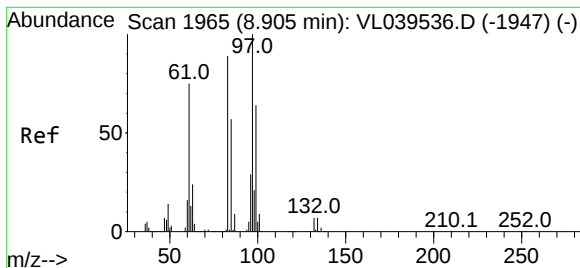
Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022



#46  
 cis-1,3-Dichloropropene  
 Concen: 0.362 ppbv  
 RT: 8.156 min Scan# 1727  
 Delta R.T. 0.007 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

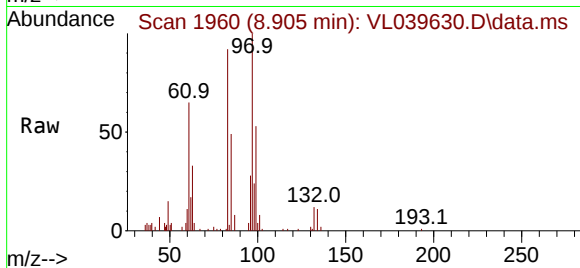
Tgt Ion: 75 Resp: 35812  
 Ion Ratio Lower Upper  
 75 100  
 39 54.5 55.0 82.4#  
 77 35.4 25.7 38.5





#47  
1,1,2-Trichloroethane  
Concen: 0.494 ppbv  
RT: 8.905 min Scan# 1965  
Delta R.T. 0.001 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

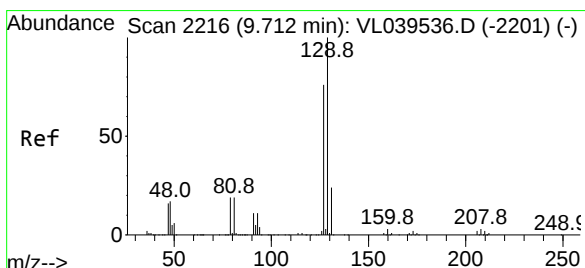
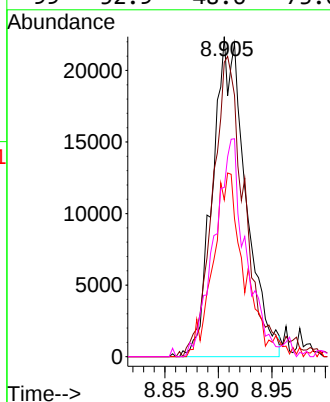
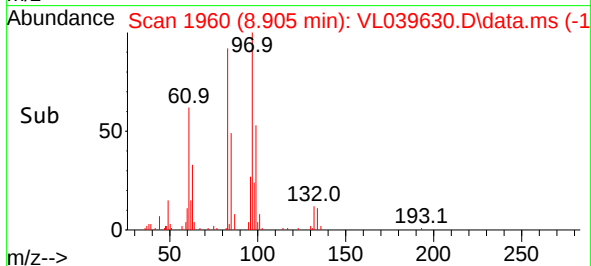
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5



Tgt Ion: 97 Resp: 4819  
Ion Ratio Lower Upper  
97 100  
83 92.0 67.4 101.0  
85 49.0 45.1 67.7  
99 52.9 48.6 73.0

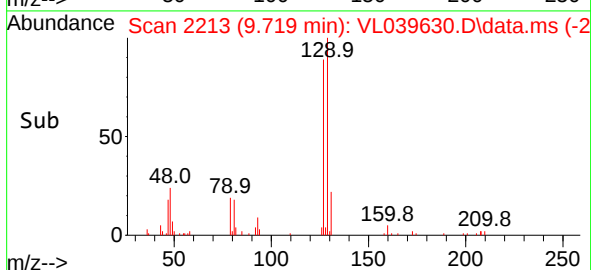
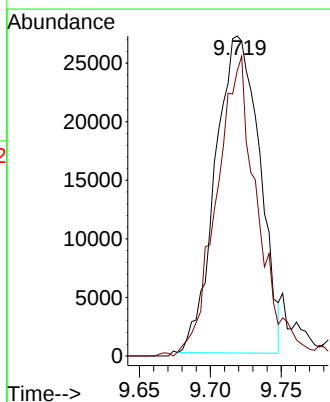
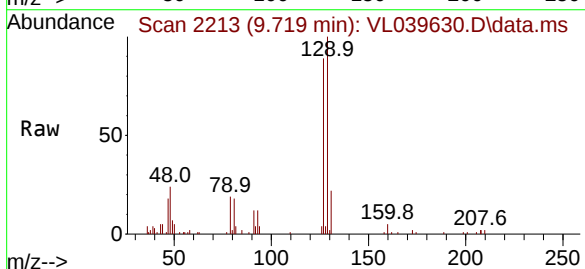
Manual Integrations  
APPROVED

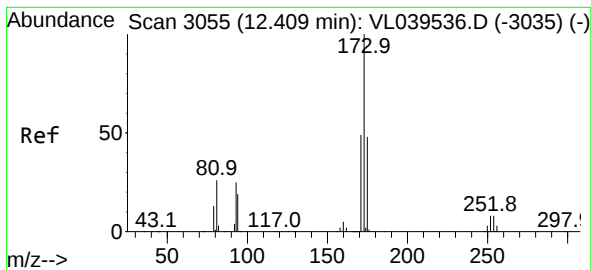
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#48  
Dibromochloromethane  
Concen: 0.408 ppbv  
RT: 9.719 min Scan# 2213  
Delta R.T. 0.007 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Tgt Ion:129 Resp: 58674  
Ion Ratio Lower Upper  
129 100  
127 89.4 39.3 117.9





#49

Bromoform

Concen: 0.418 ppbv m

RT: 12.420 min Scan# 3055

Delta R.T. 0.010 min

Lab File: VL039630.D

Acq: 19 Sep 2022 11:01

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

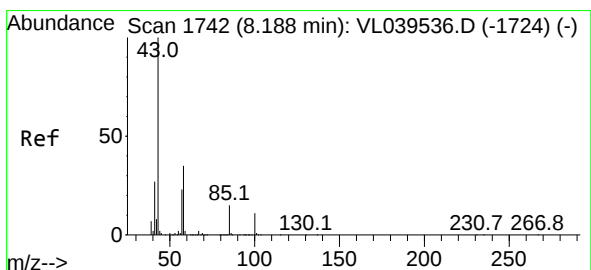
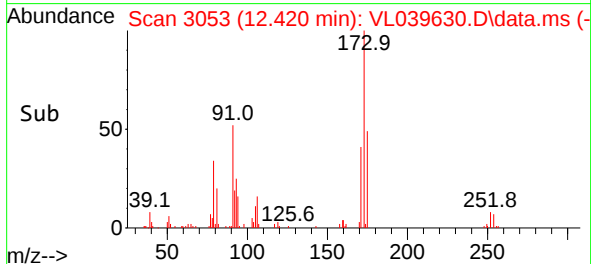
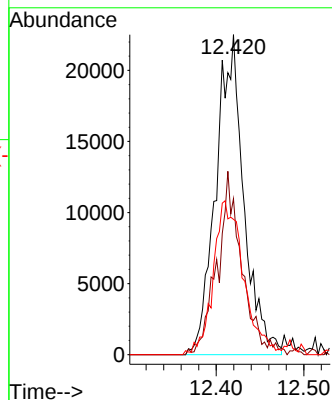
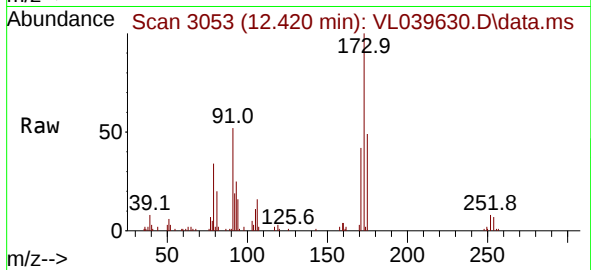
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 49779 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 0.0   | 40.3  | 60.5  |
| 171       | 0.0   | 42.9  | 64.3  |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/21/2022

Supervised By :Mahesh Dadoda 09/21/2022



#50

4-Methyl-2-Pentanone

Concen: 0.411 ppbv

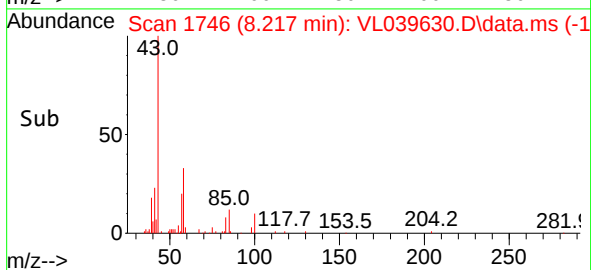
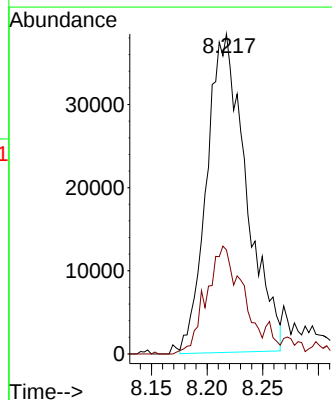
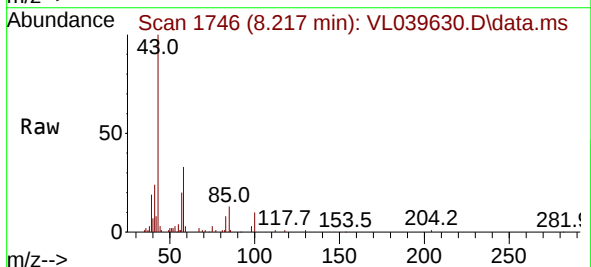
RT: 8.217 min Scan# 1746

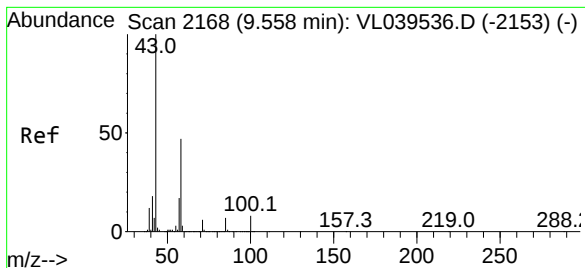
Delta R.T. 0.030 min

Lab File: VL039630.D

Acq: 19 Sep 2022 11:01

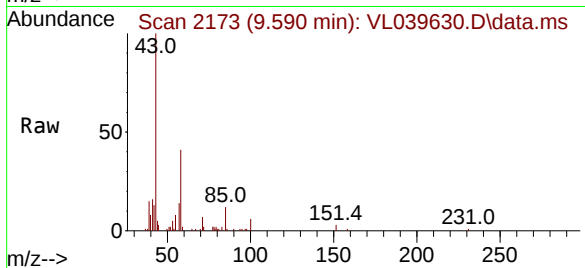
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 94795 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 36.3  | 28.8  | 43.2  |





#51  
2-Hexanone  
Concen: 0.400 ppbv m  
RT: 9.590 min Scan# 2168  
Delta R.T. 0.033 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

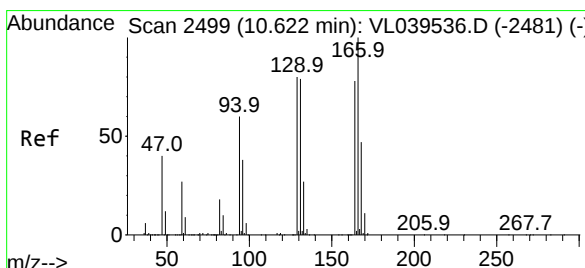
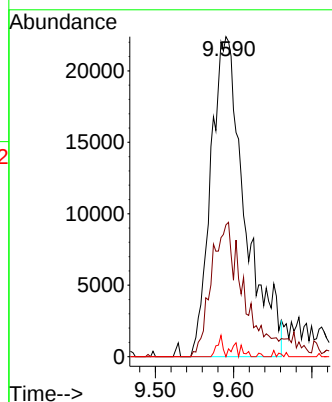
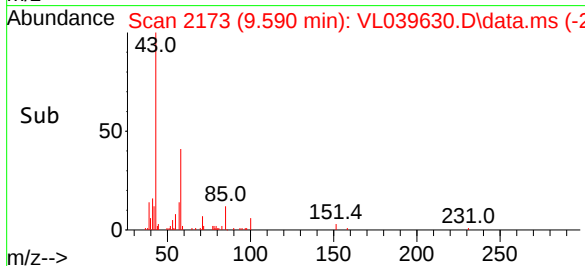
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5



Tgt Ion: 43 Resp: 6790  
Ion Ratio Lower Upper  
43 100  
58 0.0 38.4 57.6  
98 2.3 0.3 0.5

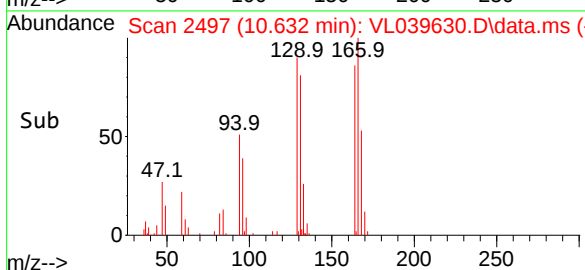
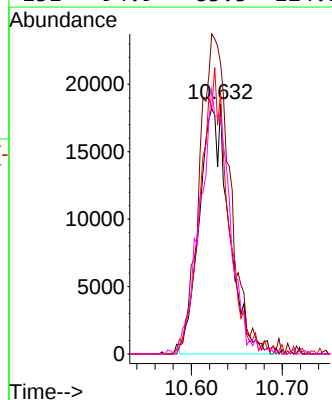
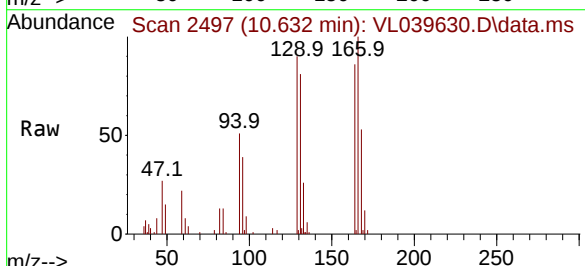
Manual Integrations  
APPROVED

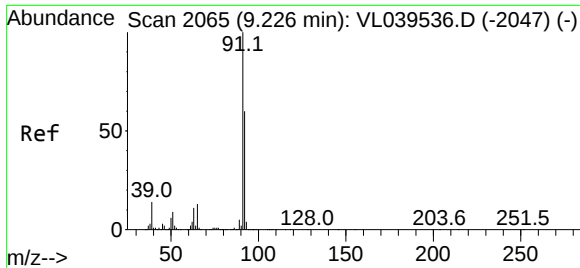
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#52  
Tetrachloroethene  
Concen: 0.483 ppbv m  
RT: 10.632 min Scan# 2497  
Delta R.T. 0.010 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Tgt Ion:164 Resp: 41544  
Ion Ratio Lower Upper  
164 100  
166 116.6 102.2 153.2  
129 104.4 85.8 128.8  
131 94.9 83.3 124.9





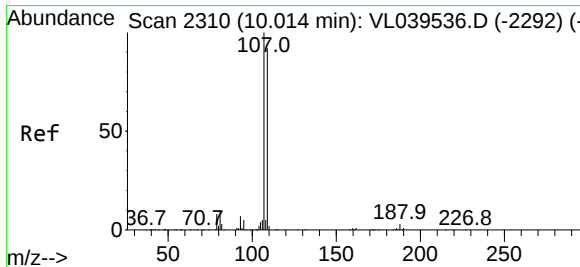
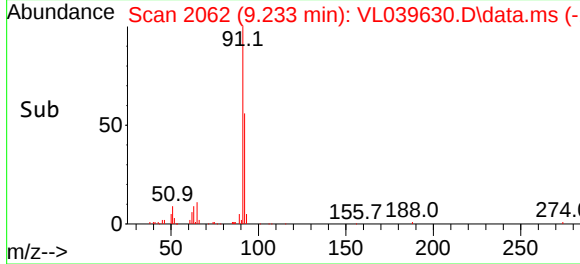
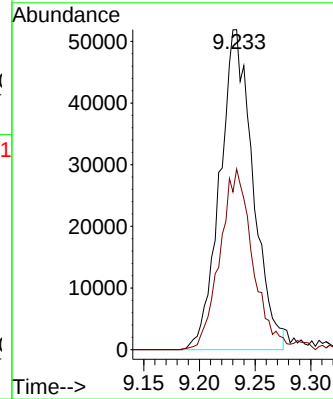
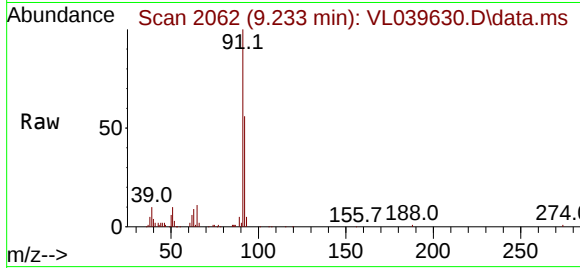
#53  
Toluene  
Concen: 0.423 ppbv  
RT: 9.233 min Scan# 2065  
Delta R.T. 0.007 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 91 Resp: 10762  
Ion Ratio Lower Upper  
91 100  
92 57.6 48.2 72.2

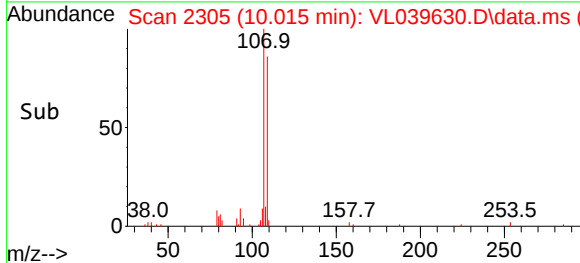
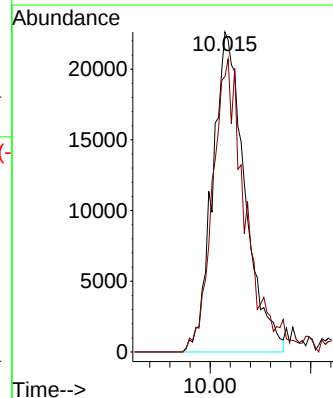
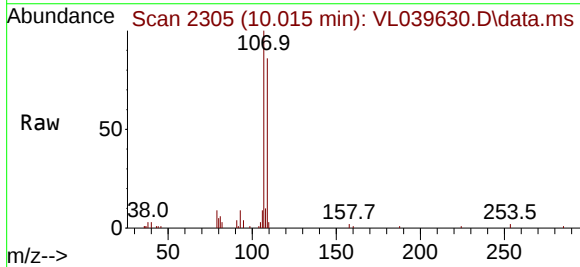
Manual Integrations  
APPROVED

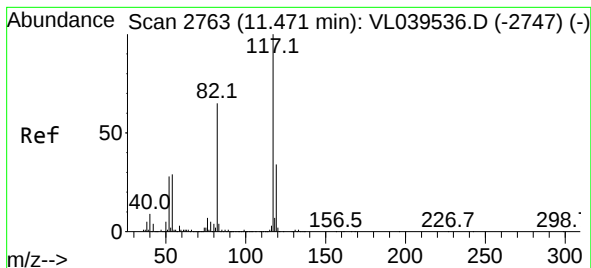
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#54  
1,2-Dibromoethane  
Concen: 0.462 ppbv  
RT: 10.015 min Scan# 2305  
Delta R.T. 0.001 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

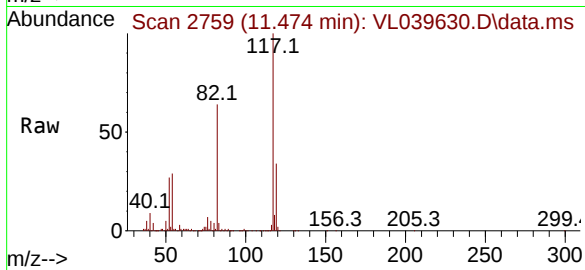
Tgt Ion:107 Resp: 50354  
Ion Ratio Lower Upper  
107 100  
109 86.1 74.8 112.2





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.474 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

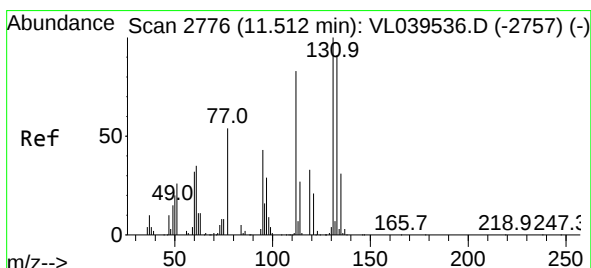
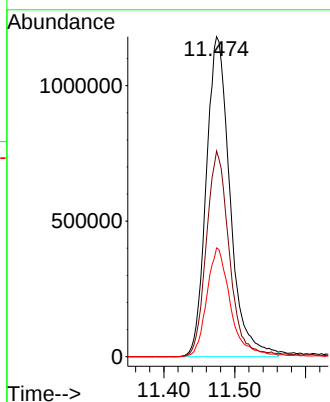
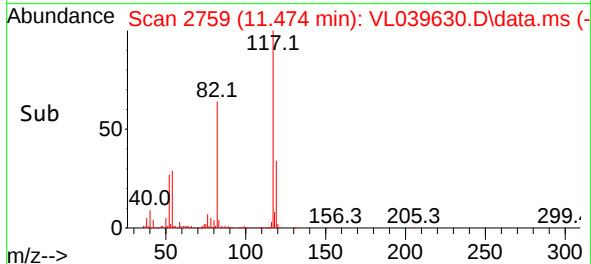
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.5



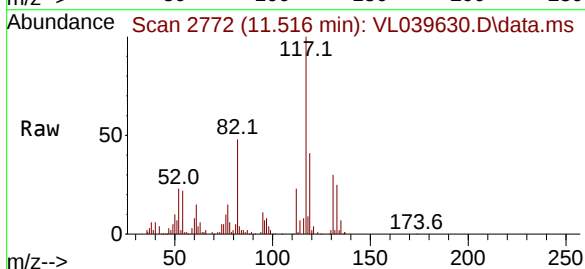
Tgt Ion:117 Resp: 2751664  
Ion Ratio Lower Upper  
117 100  
82 62.8 50.8 76.2  
119 34.5 24.1 36.1

Manual Integrations  
APPROVED

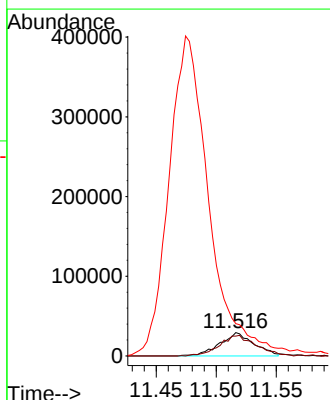
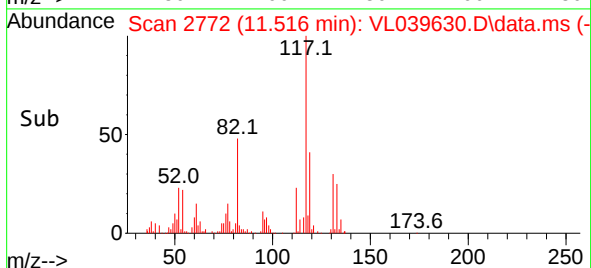
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022

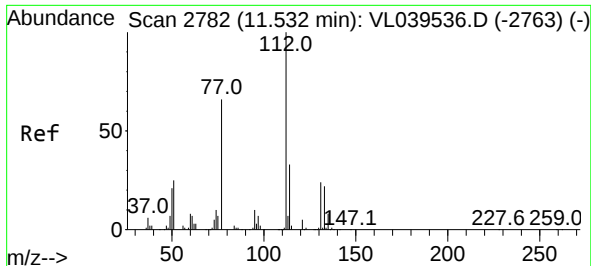


#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.515 ppbv  
RT: 11.516 min Scan# 2772  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01



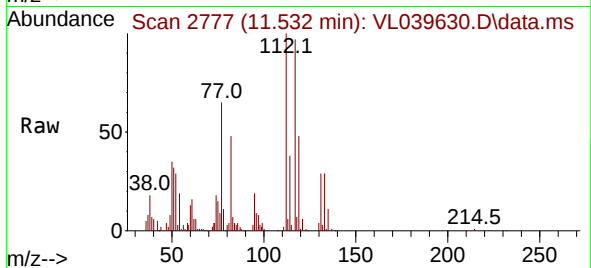
Tgt Ion:131 Resp: 57629  
Ion Ratio Lower Upper  
131 100  
133 97.1 76.8 115.2  
119 1647.8 46.2 69.4#





#57  
Chlorobenzene  
Concen: 0.528 ppbv m  
RT: 11.532 min Scan# 2782  
Delta R.T. 0.001 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

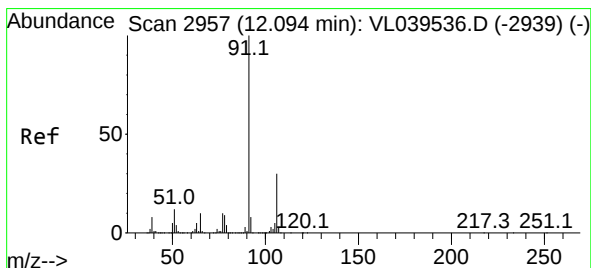
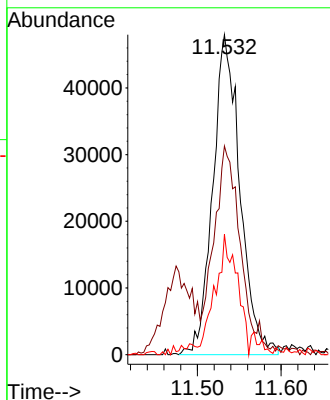
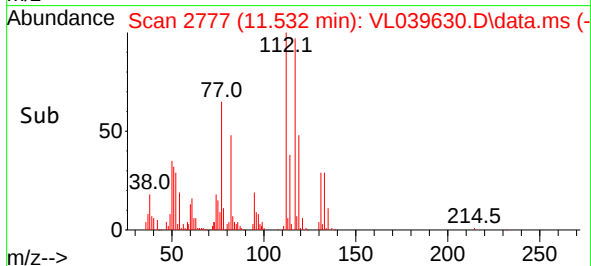
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5



Tgt Ion:112 Resp: 108390  
Ion Ratio Lower Upper  
112 100  
77 65.2 51.0 76.4  
114 37.6 27.5 33.6

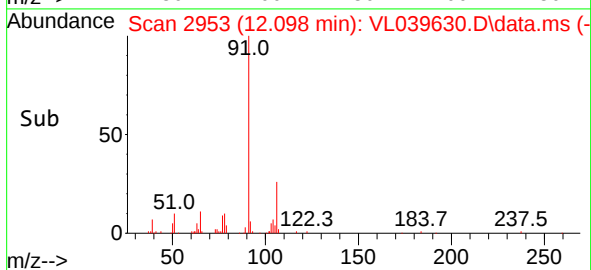
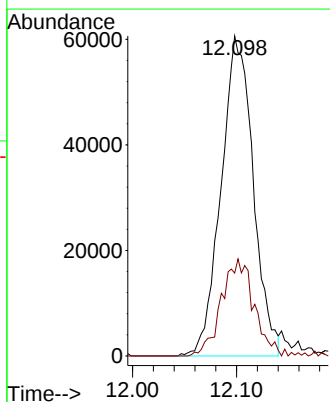
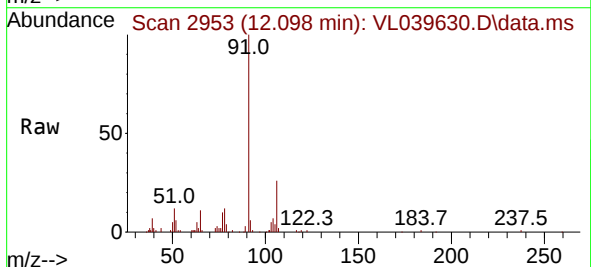
Manual Integrations  
APPROVED

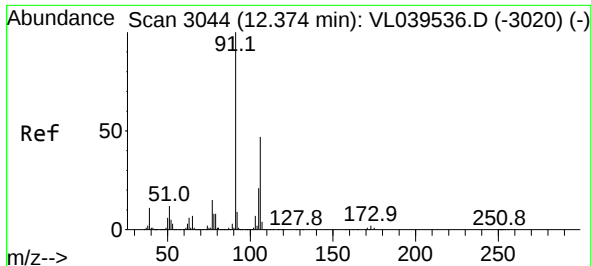
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#58  
Ethyl Benzene  
Concen: 0.412 ppbv  
RT: 12.098 min Scan# 2953  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Tgt Ion: 91 Resp: 130362  
Ion Ratio Lower Upper  
91 100  
106 25.9 25.4 38.0





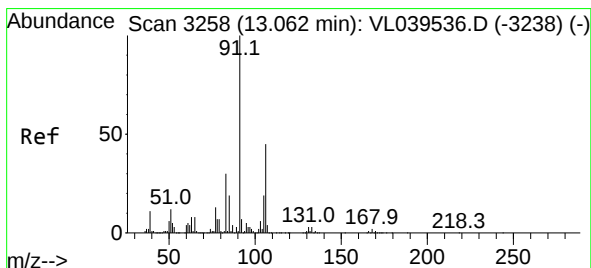
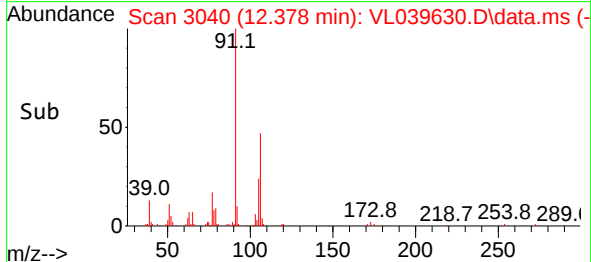
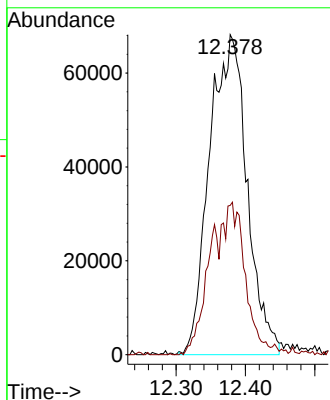
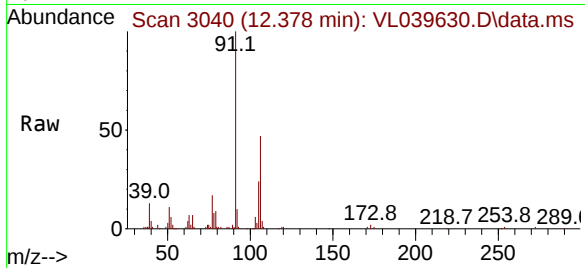
#59  
m/p-Xylene  
Concen: 0.905 ppbv m  
RT: 12.378 min Scan# 3044  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 91 Resp: 25662  
Ion Ratio Lower Upper  
91 100  
106 45.2 35.4 53.2

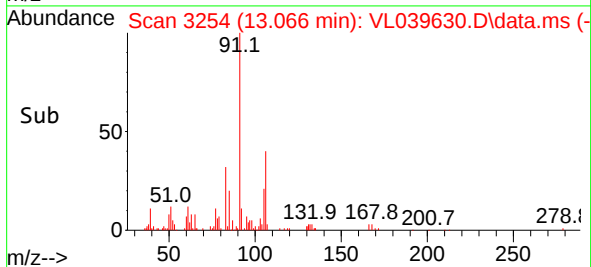
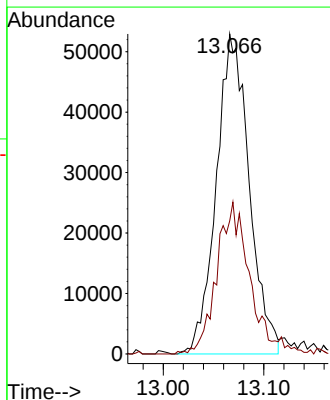
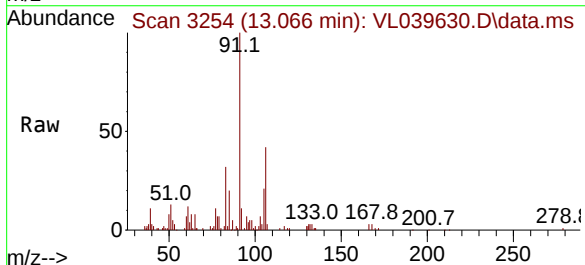
Manual Integrations  
APPROVED

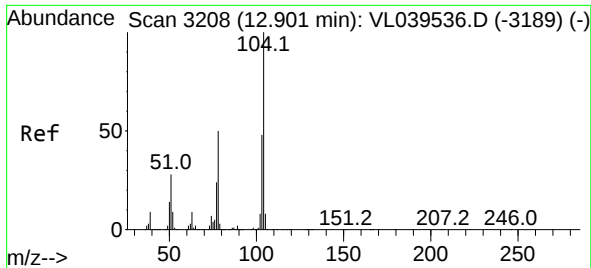
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#60  
o-Xylene  
Concen: 0.441 ppbv  
RT: 13.066 min Scan# 3254  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Tgt Ion: 91 Resp: 120195  
Ion Ratio Lower Upper  
91 100  
106 48.6 22.4 67.3





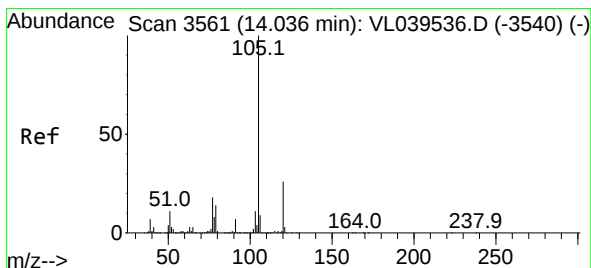
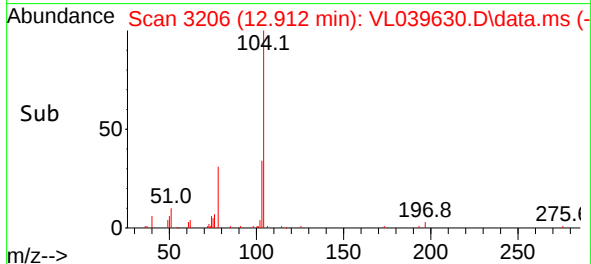
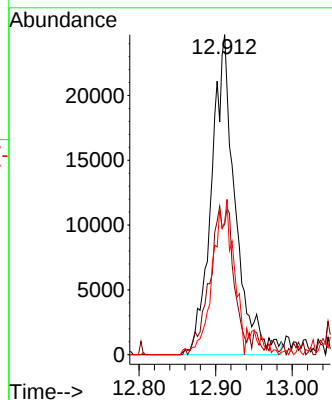
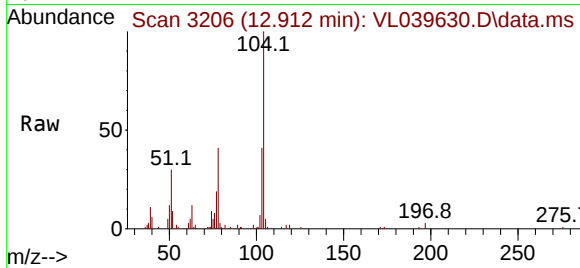
#61  
Styrene  
Concen: 0.369 ppbv m  
RT: 12.912 min Scan# 3189  
Delta R.T. 0.010 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion:104 Resp: 53458  
Ion Ratio Lower Upper  
104 100  
78 47.1 41.2 61.8  
103 0.0 38.7 58.1

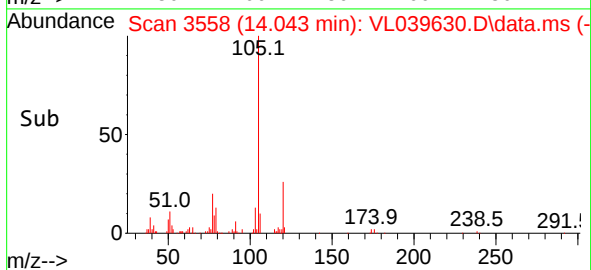
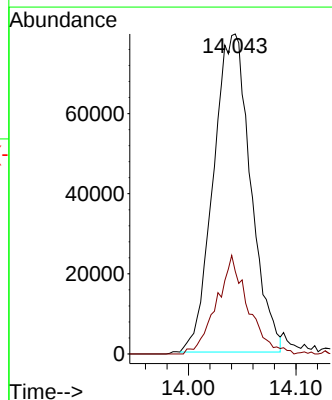
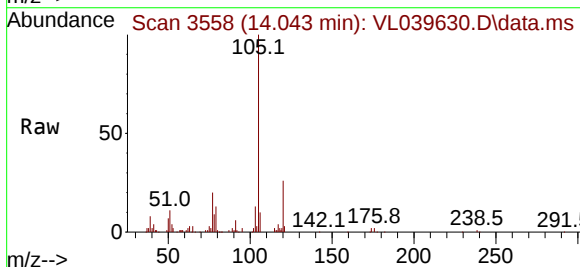
Manual Integrations  
APPROVED

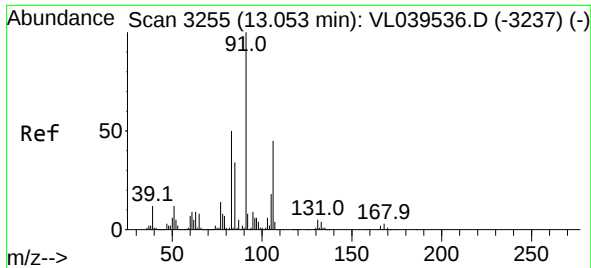
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#62  
Isopropylbenzene  
Concen: 0.465 ppbv  
RT: 14.043 min Scan# 3558  
Delta R.T. 0.007 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

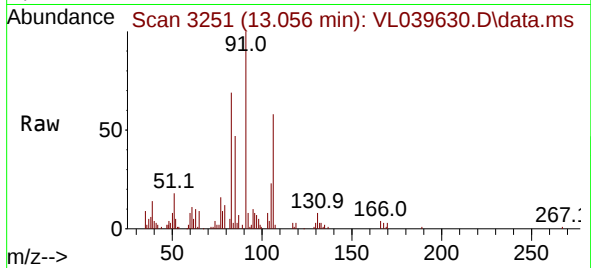
Tgt Ion:105 Resp: 191636  
Ion Ratio Lower Upper  
105 100  
120 26.3 20.7 31.1





#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.426 ppbv  
RT: 13.056 min Scan# 31  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

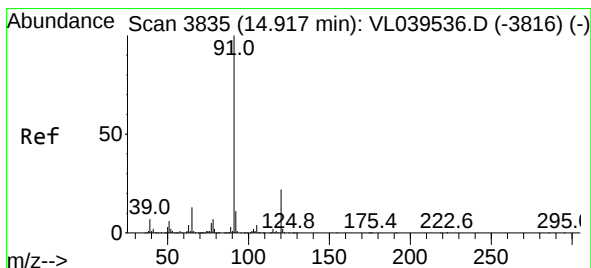
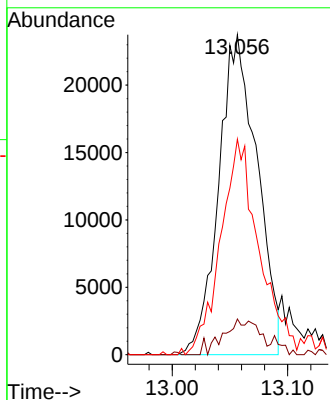
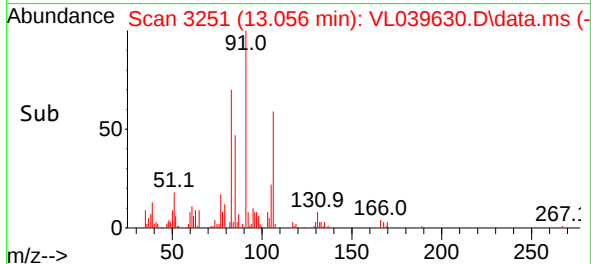
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5



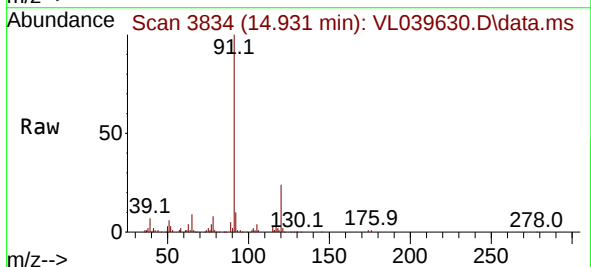
Tgt Ion: 83 Resp: 54910  
Ion Ratio Lower Upper  
83 100  
131 11.9 5.3 15.8  
85 72.3 33.1 99.5

Manual Integrations  
APPROVED

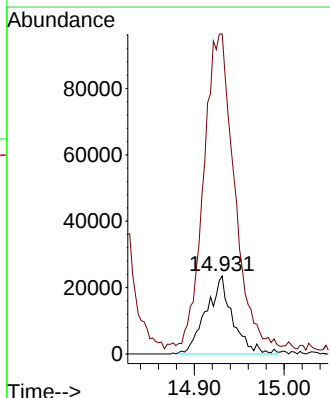
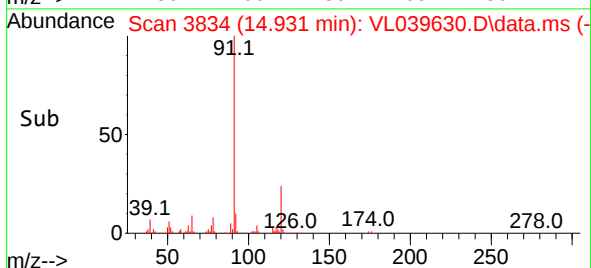
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022

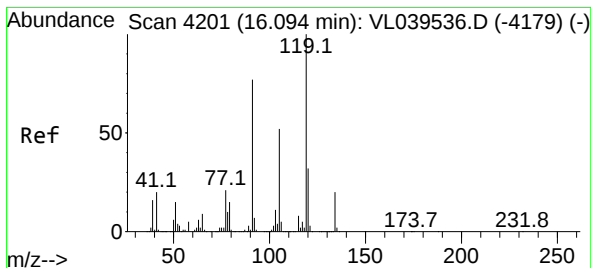


#64  
n-propylbenzene  
Concen: 0.447 ppbv m  
RT: 14.931 min Scan# 3834  
Delta R.T. 0.013 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01



Tgt Ion:120 Resp: 47847  
Ion Ratio Lower Upper  
120 100  
91 481.8 367.2 550.8





#65

tert-Butylbenzene

Concen: 0.439 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. 0.007 min

Lab File: VL039630.D

Acq: 19 Sep 2022 11:01

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 119 Resp: 160754

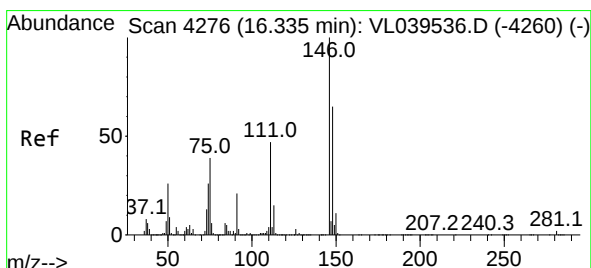
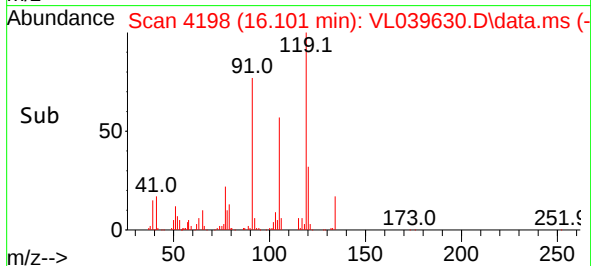
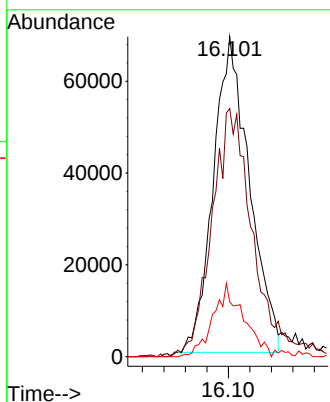
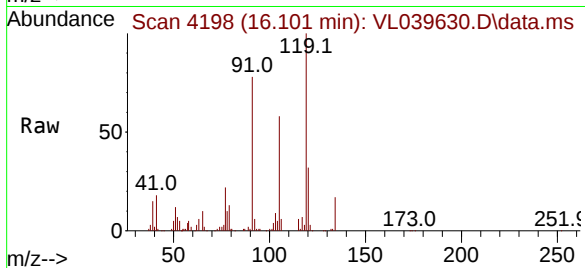
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 91  | 91.1  | 63.4  | 95.2  |
| 134 | 20.6  | 15.9  | 23.9  |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/21/2022

Supervised By :Mahesh Dadoda 09/21/2022



#66

Benzyl Chloride

Concen: 0.439 ppbv m

RT: 16.342 min Scan# 4273

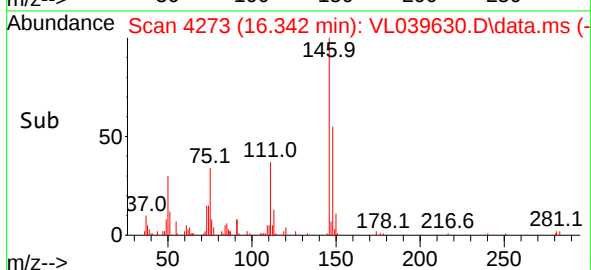
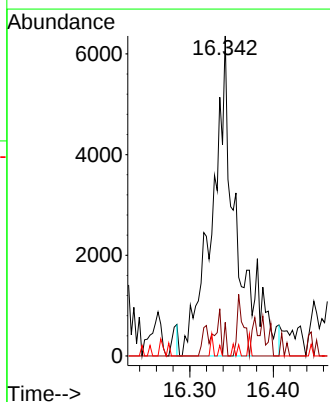
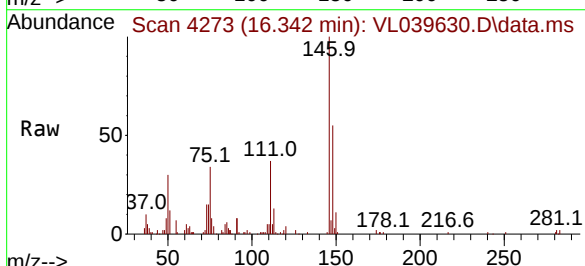
Delta R.T. 0.007 min

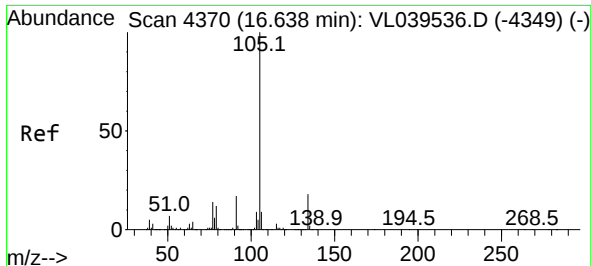
Lab File: VL039630.D

Acq: 19 Sep 2022 11:01

Tgt Ion: 91 Resp: 13049

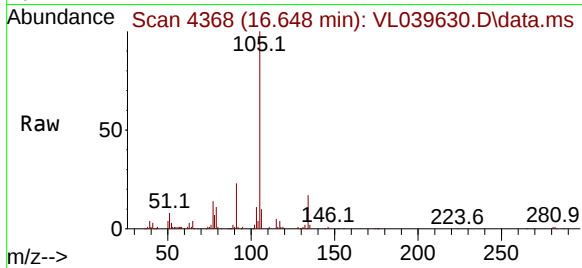
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 6.7   | 13.1  | 19.7# |
| 128 | 1.4   | 4.4   | 6.6#  |





#67  
 sec-Butylbenzene  
 Concen: 0.456 ppbv  
 RT: 16.648 min Scan# 41  
 Delta R.T. 0.010 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

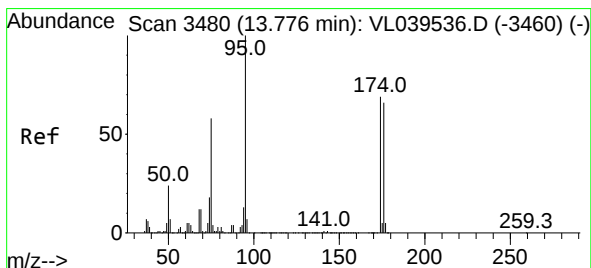
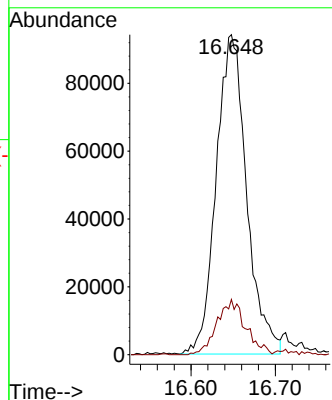
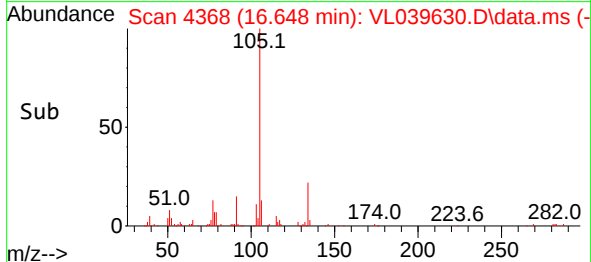
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5



Tgt Ion:105 Resp: 236384  
 Ion Ratio Lower Upper  
 105 100  
 134 16.4 14.8 22.2

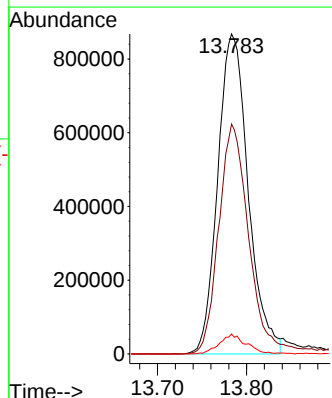
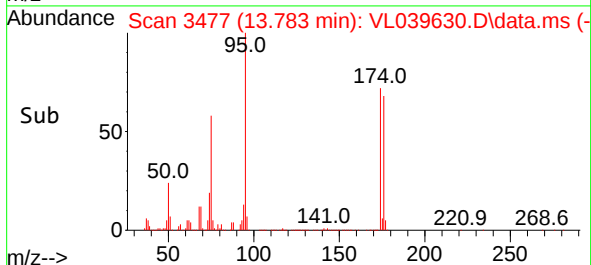
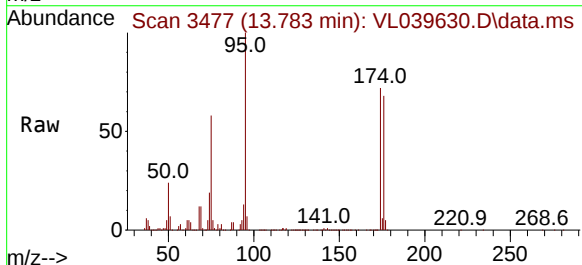
Manual Integrations  
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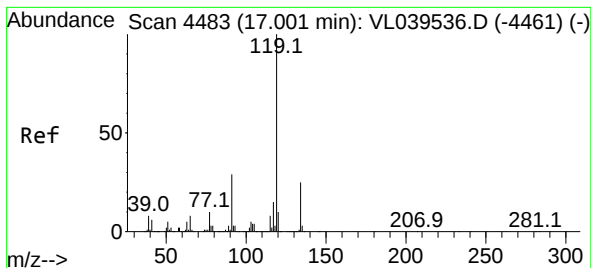
Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.919 ppbv  
 RT: 13.783 min Scan# 3477  
 Delta R.T. 0.007 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

Tgt Ion: 95 Resp: 2059027  
 Ion Ratio Lower Upper  
 95 100  
 174 73.9 55.9 83.9  
 175 5.7 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.428 ppbv m

RT: 17.011 min Scan# 4483

Delta R.T. 0.010 min

Lab File: VL039630.D

Acq: 19 Sep 2022 11:01

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

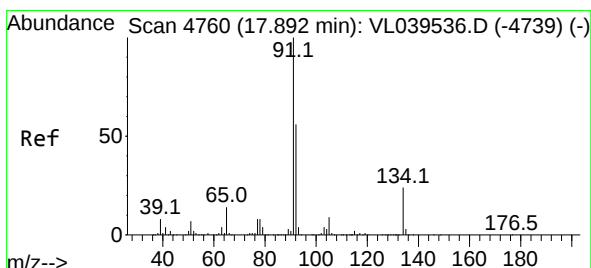
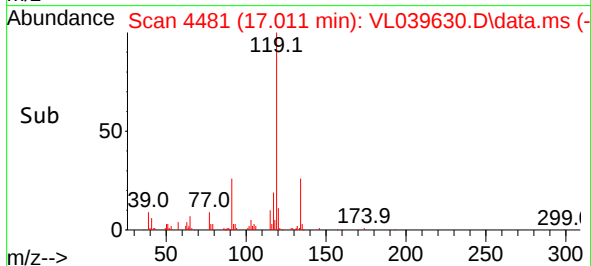
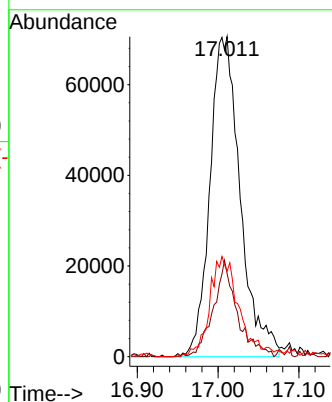
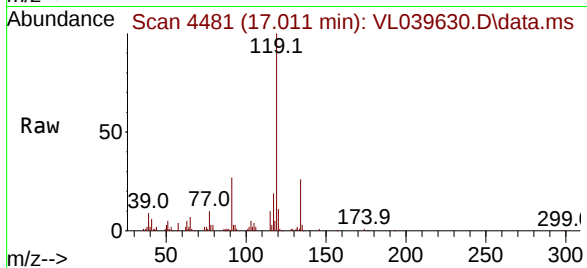
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 119   | Resp: | 183990 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 134       | 0.0   | 20.3  | 30.5   |
| 91        | 31.8  | 22.9  | 34.3   |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/21/2022

Supervised By :Mahesh Dadoda 09/21/2022



#70

n-Butylbenzene

Concen: 0.437 ppbv m

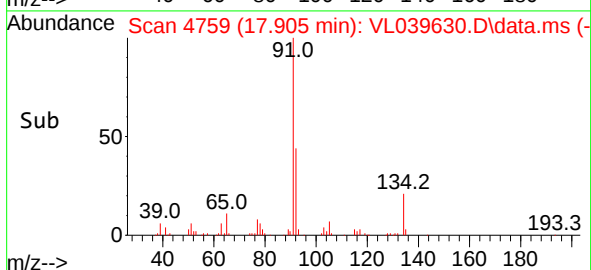
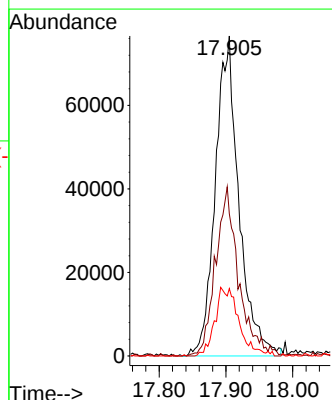
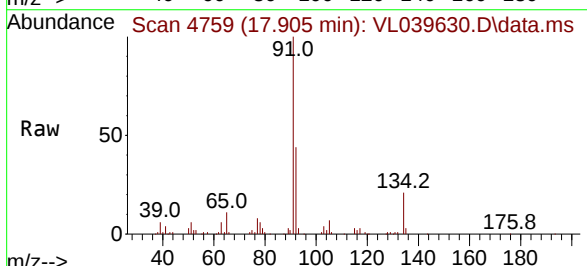
RT: 17.905 min Scan# 4759

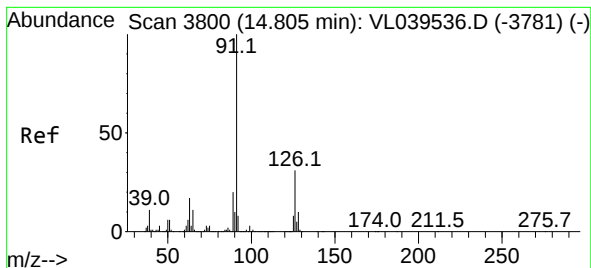
Delta R.T. 0.013 min

Lab File: VL039630.D

Acq: 19 Sep 2022 11:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 187274 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 0.0   | 43.4  | 65.2   |
| 134       | 21.8  | 18.9  | 28.3   |





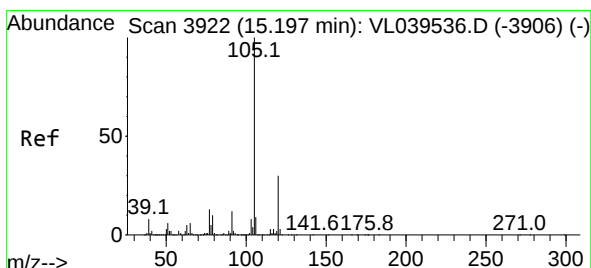
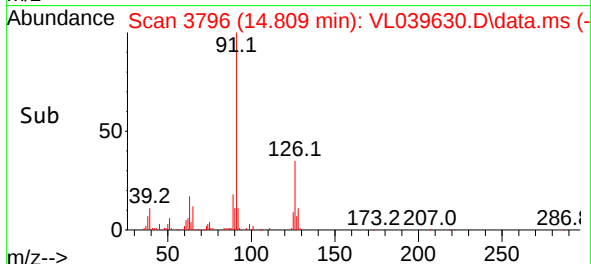
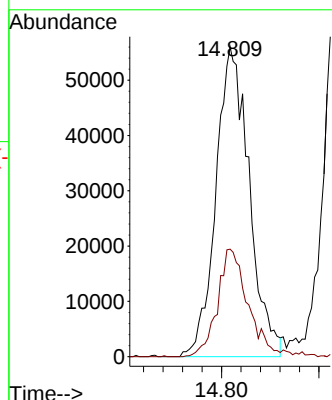
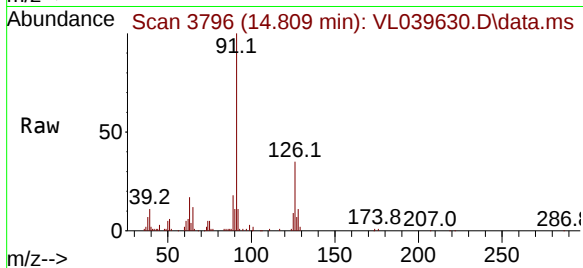
#71  
2-Chlorotoluene  
Concen: 0.445 ppbv  
RT: 14.809 min Scan# 31  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 91 Resp: 132719  
Ion Ratio Lower Upper  
91 100  
126 32.5 13.0 51.8

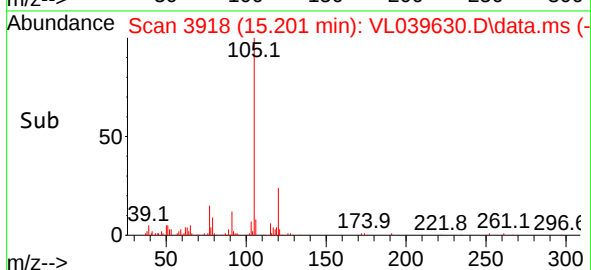
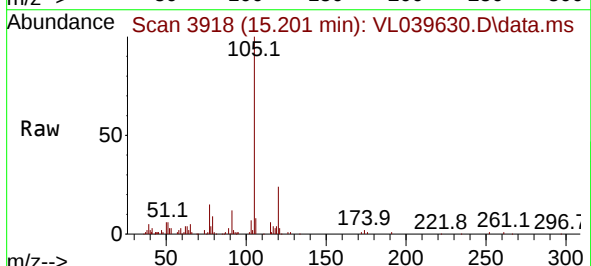
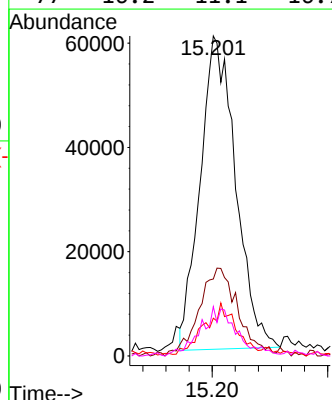
Manual Integrations  
APPROVED

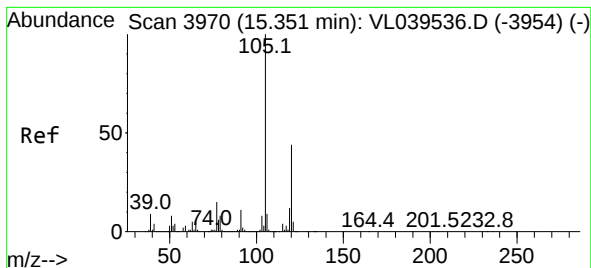
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#72  
4-Ethyltoluene  
Concen: 0.403 ppbv  
RT: 15.201 min Scan# 3918  
Delta R.T. 0.004 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Tgt Ion:105 Resp: 128188  
Ion Ratio Lower Upper  
105 100  
120 31.9 24.2 36.2  
91 16.7 10.2 15.4#  
77 16.2 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.428 ppbv

RT: 15.362 min Scan# 3970

Delta R.T. 0.010 min

Lab File: VL039630.D

Acq: 19 Sep 2022 11:01

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 124639

Ion Ratio Lower Upper

105 100

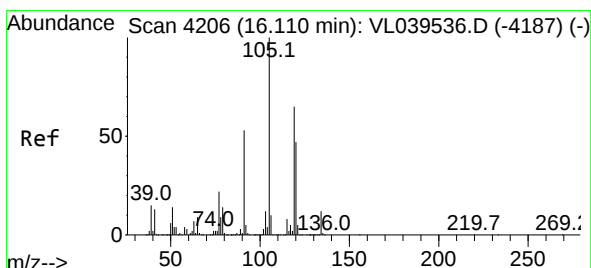
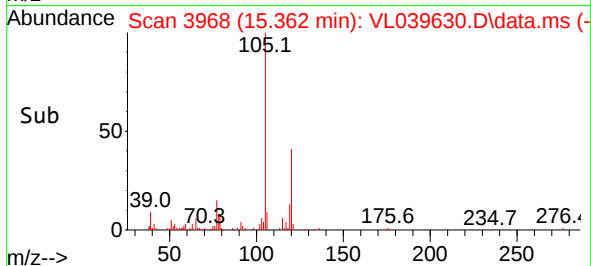
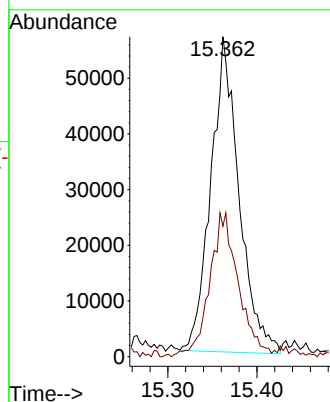
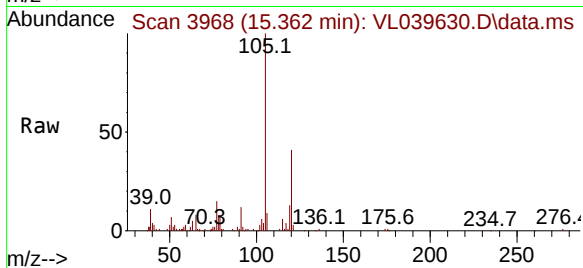
120 39.7 38.2 57.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/21/2022

Supervised By :Mahesh Dadoda 09/21/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.470 ppbv m

RT: 16.111 min Scan# 4201

Delta R.T. 0.001 min

Lab File: VL039630.D

Acq: 19 Sep 2022 11:01

Tgt Ion:105 Resp: 152371

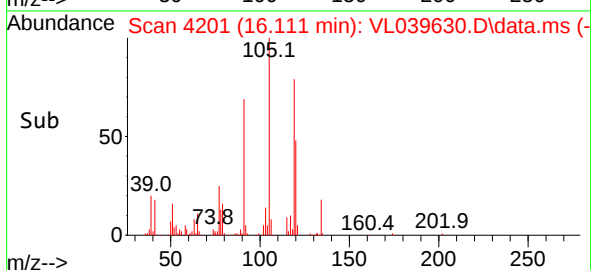
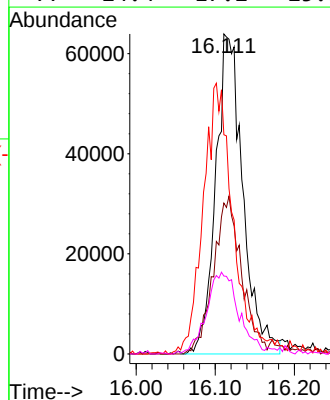
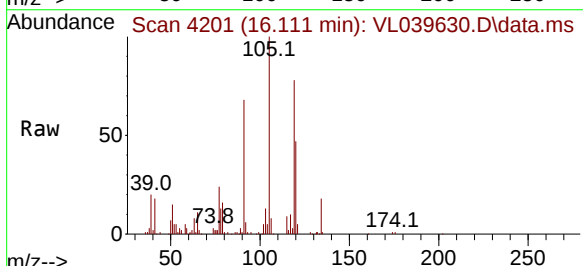
Ion Ratio Lower Upper

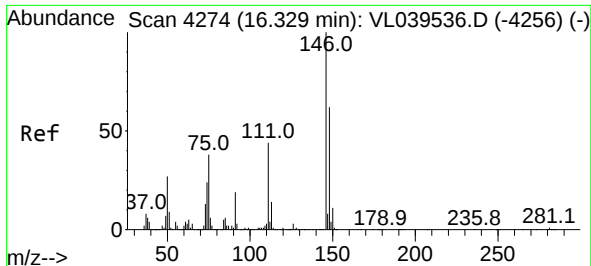
105 100

120 47.2 39.5 59.3

91 68.5 39.2 58.8#

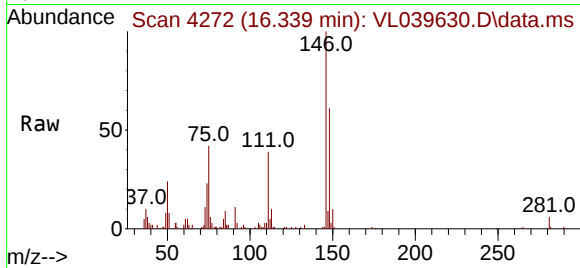
77 24.4 17.2 25.8





#75  
 1,3-Dichlorobenzene  
 Concen: 0.457 ppbv  
 RT: 16.339 min Scan# 41  
 Delta R.T. 0.010 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01

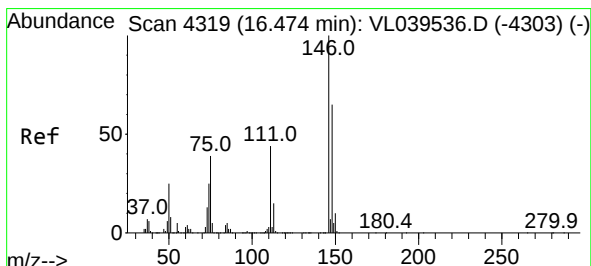
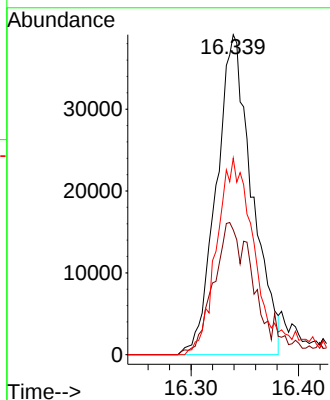
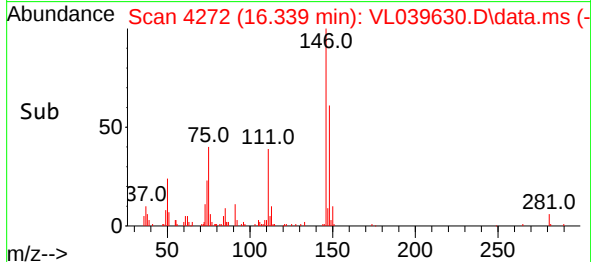
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5



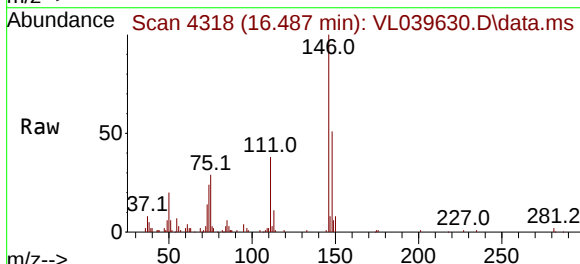
Tgt Ion:146 Resp: 90154  
 Ion Ratio Lower Upper  
 146 100  
 111 49.0 22.9 68.7  
 148 68.9 32.1 96.5

Manual Integrations  
 APPROVED

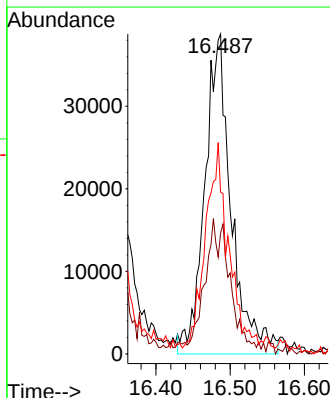
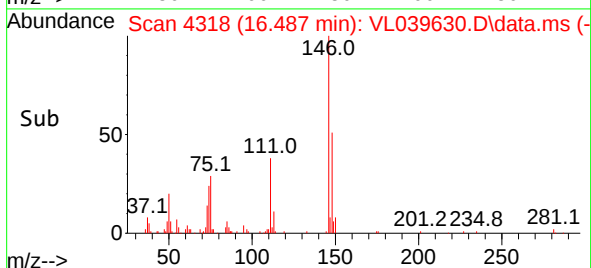
Reviewed By :Krupa Patel 09/21/2022  
 Supervised By :Mahesh Dadoda 09/21/2022

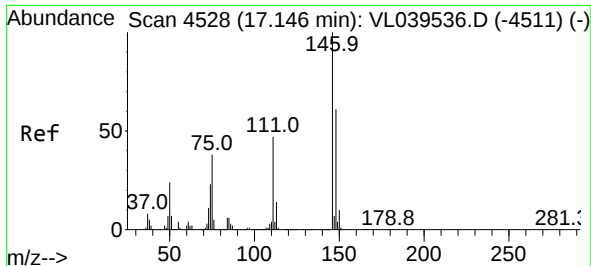


#76  
 1,4-Dichlorobenzene  
 Concen: 0.487 ppbv m  
 RT: 16.487 min Scan# 4318  
 Delta R.T. 0.013 min  
 Lab File: VL039630.D  
 Acq: 19 Sep 2022 11:01



Tgt Ion:146 Resp: 95593  
 Ion Ratio Lower Upper  
 146 100  
 111 42.5 22.9 68.8  
 148 0.0 33.6 100.8#





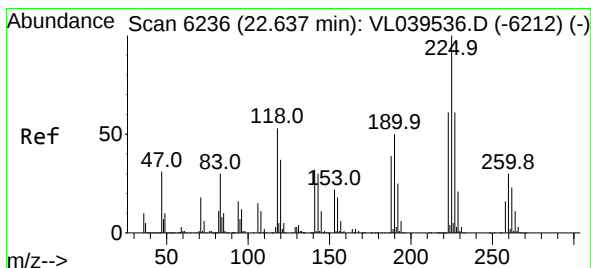
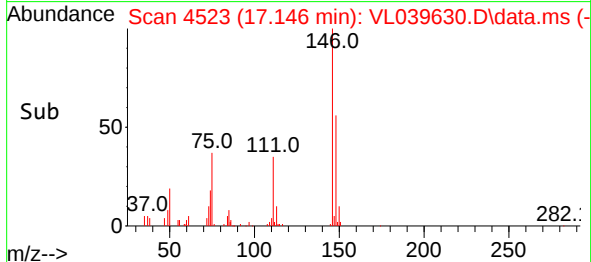
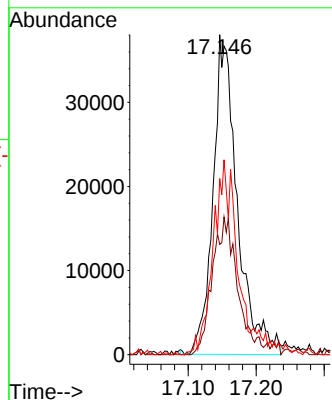
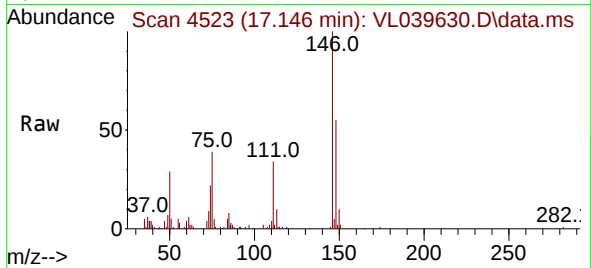
#77  
1,2-Dichlorobenzene  
Concen: 0.489 ppbv m  
RT: 17.146 min Scan# 4528  
Delta R.T. 0.001 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion:146 Resp: 9427  
Ion Ratio Lower Upper  
146 100  
111 47.8 23.8 71.5  
148 63.5 32.3 96.8

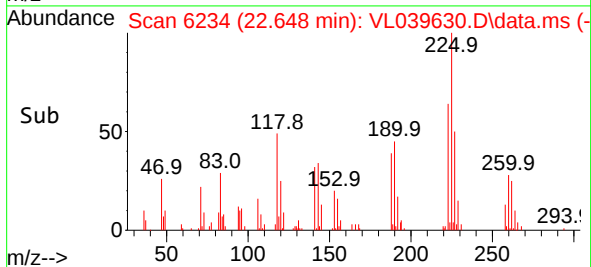
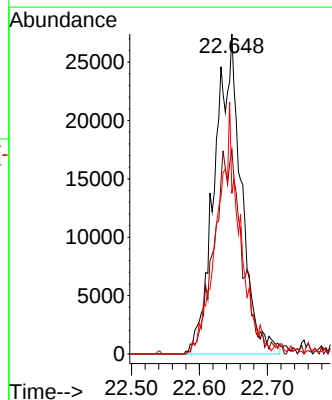
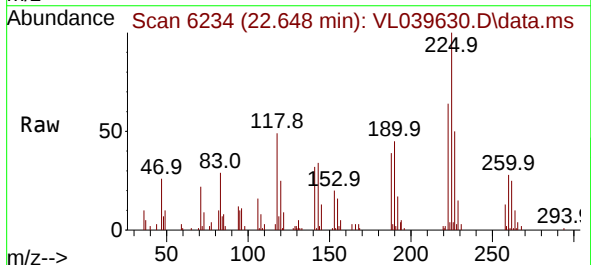
Manual Integrations  
APPROVED

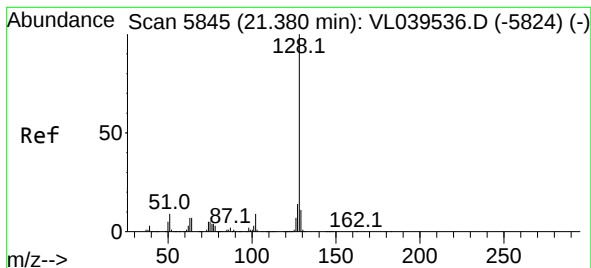
Reviewed By :Krupa Patel 09/21/2022  
Supervised By :Mahesh Dadoda 09/21/2022



#78  
Hexachloro-1,3-Butadiene  
Concen: 0.487 ppbv m  
RT: 22.648 min Scan# 6234  
Delta R.T. 0.010 min  
Lab File: VL039630.D  
Acq: 19 Sep 2022 11:01

Tgt Ion:225 Resp: 74781  
Ion Ratio Lower Upper  
225 100  
223 68.4 51.8 77.6  
227 66.8 51.4 77.2





#79

Naphthalene

Concen: 0.378 ppbv m

RT: 21.397 min Scan# 5845

Delta R.T. 0.017 min

Lab File: VL039630.D

Acq: 19 Sep 2022 11:01

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.5

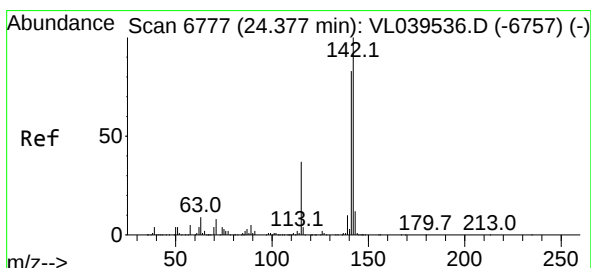
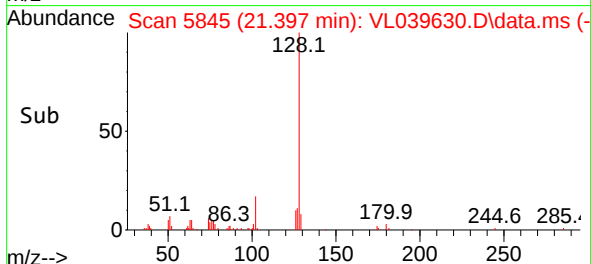
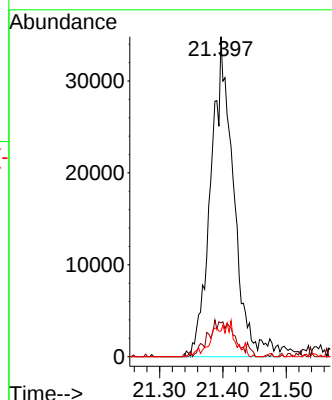
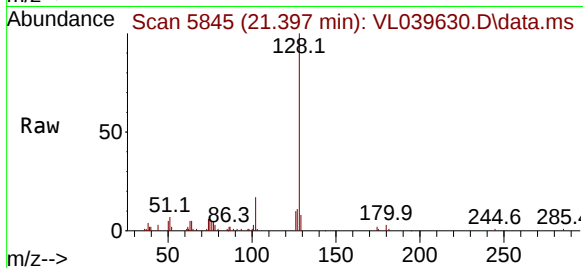
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 8726 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 10.6  | 10.6  | 15.8 |
| 129       | 8.0   | 8.8   | 13.2 |

Manual Integrations

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Reviewed By :Krupa Patel 09/21/2022

Supervised By :Mahesh Dadoda 09/21/2022



#80

Naphthalene,2-methyl-

Concen: 0.260 ppbv m

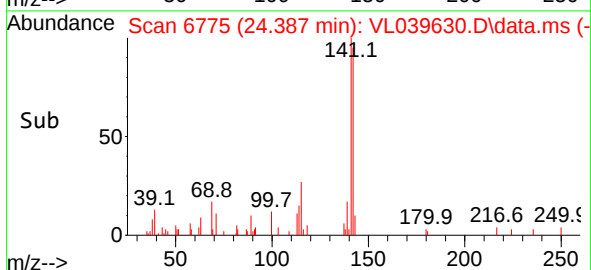
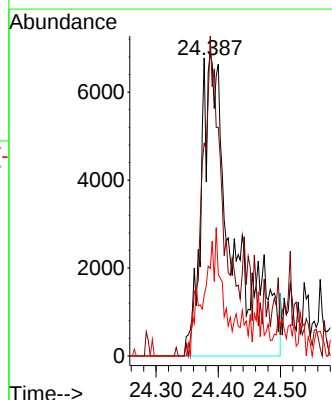
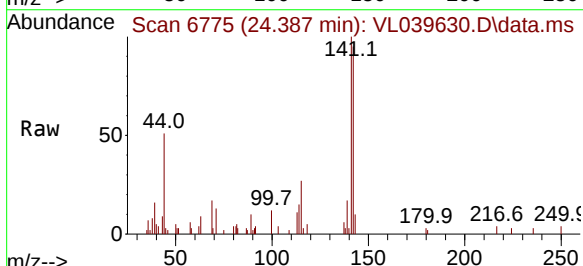
RT: 24.387 min Scan# 6775

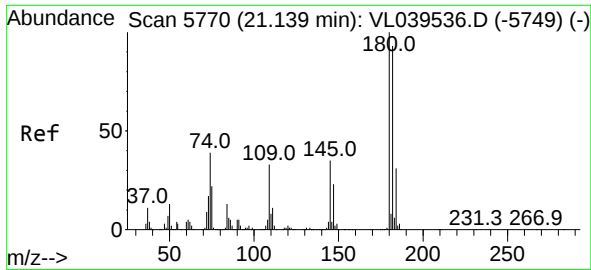
Delta R.T. 0.010 min

Lab File: VL039630.D

Acq: 19 Sep 2022 11:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 24345 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 79.8  | 68.9  | 103.3 |
| 115       | 26.7  | 30.0  | 45.0  |





#81

1,2,4-Trichlorobenzene

Concen: 0.381 ppbv m

RT: 21.153 min Scan# 51

Delta R.T. 0.013 min

Lab File: VL039630.D

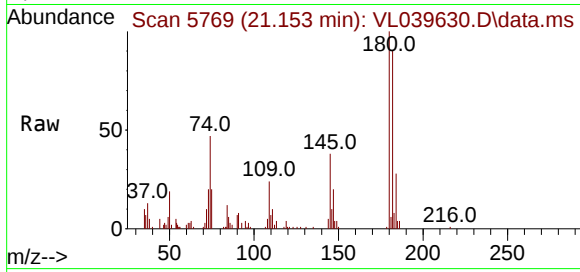
Acq: 19 Sep 2022 11:01

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 5879

Ion Ratio Lower Upper

180 100

182 0.0 77.1 115.7

184 0.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/21/2022

Supervised By :Mahesh Dadoda 09/21/2022

