

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092122\  
 Data File : VL039666.D  
 Acq On : 22 Sep 2022 12:19  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/28/2022  
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 22 15:12:12 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M

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

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.227  | 49   | 1072047  | 10.000 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 6.687  | 114  | 2798330  | 10.000 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 11.500 | 117  | 2762451m | 10.000 | ppbv  | 0.03     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.809 95 2037213 9.879 ppbv 0.03  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.800%

#### Target Compounds

|                               |       |     |         |              | Qvalue |
|-------------------------------|-------|-----|---------|--------------|--------|
| 2) Dichlorodifluoromethane    | 2.768 | 85  | 1048541 | 8.437 ppbv   | 98     |
| 3) Chlorodifluoromethane      | 2.710 | 51  | 1137902 | 8.944 ppbv   | 97     |
| 4) Chloromethane              | 2.851 | 50  | 605812  | 7.891 ppbv   | 99     |
| 5) Vinyl Chloride             | 2.957 | 62  | 582644  | 9.105 ppbv   | 97     |
| 6) Bromomethane               | 3.157 | 94  | 235953  | 9.998 ppbv   | 100    |
| 7) Chloroethane               | 3.234 | 64  | 208783  | 8.921 ppbv   | 99     |
| 8) Dichlorotetrafluoroethane  | 2.893 | 85  | 1350903 | 9.061 ppbv   | 96     |
| 9) Propene                    | 2.729 | 41  | 507682  | 8.737 ppbv   | 100    |
| 10) Heptane                   | 7.613 | 43  | 1296183 | 9.560 ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.600 | 101 | 1415206 | 9.195 ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 4.105 | 101 | 1059534 | 9.114 ppbv   | 97     |
| 13) Ethanol                   | 3.276 | 45  | 29027   | 6.557 ppbv   | 83     |
| 14) Bromoethene               | 3.404 | 108 | 429208  | 9.248 ppbv   | 98     |
| 15) Acetone                   | 3.504 | 43  | 1050996 | 8.810 ppbv   | 100    |
| 16) 1,3-Butadiene             | 3.022 | 39  | 574479  | 9.493 ppbv   | 98     |
| 17) tert-Butyl alcohol        | 3.912 | 59  | 1108971 | 10.359 ppbv  | 99     |
| 18) 1,1-Dichloroethene        | 3.919 | 96  | 455435  | 8.904 ppbv   | 96     |
| 19) Isopropyl Alcohol         | 3.610 | 45  | 534964  | 8.798 ppbv # | 96     |
| 20) Methylene Chloride        | 3.970 | 84  | 387603  | 7.028 ppbv   | 95     |
| 21) Allyl Chloride            | 4.034 | 41  | 707006  | 8.704 ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 4.481 | 96  | 447634  | 8.846 ppbv   | 94     |
| 23) Vinyl Acetate             | 4.661 | 43  | 270993  | 5.025 ppbv # | 96     |
| 24) 1,1-Dichloroethane        | 4.600 | 63  | 986289  | 9.184 ppbv   | 99     |
| 25) Ethyl Acetate             | 5.240 | 43  | 2663089 | 10.238 ppbv  | 99     |
| 26) Hexane                    | 5.250 | 57  | 957222  | 8.672 ppbv   | 84     |
| 27) Carbon Disulfide          | 4.160 | 76  | 1064071 | 9.172 ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 4.623 | 73  | 860484  | 9.279 ppbv   | 99     |
| 29) Chloroform                | 5.308 | 83  | 1463933 | 9.186 ppbv   | 99     |
| 30) Cyclohexane               | 6.639 | 84  | 813304  | 9.514 ppbv   | 96     |
| 31) cis-1,2-Dichloroethene    | 5.115 | 61  | 914350  | 9.158 ppbv   | 99     |
| 32) 1,1,1-Trichloroethane     | 6.041 | 97  | 1440893 | 9.988 ppbv   | 100    |
| 34) 2-Butanone                | 4.822 | 43  | 1343710 | 9.776 ppbv   | 98     |
| 35) Carbon Tetrachloride      | 6.526 | 117 | 1483290 | 9.985 ppbv   | 97     |
| 36) Benzene                   | 6.404 | 78  | 1997504 | 9.337 ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 5.841 | 62  | 1086429 | 9.330 ppbv   | 99     |
| 38) Trichloroethene           | 7.324 | 130 | 912945  | 7.896 ppbv   | 97     |
| 39) 1,2-Dichloropropane       | 7.108 | 63  | 767950  | 9.296 ppbv   | 99     |
| 40) 1,4-Dioxane               | 7.320 | 88  | 282682  | 8.380 ppbv # | 1      |
| 41) Tetrahydrofuran           | 5.594 | 42  | 816679  | 9.685 ppbv   | 96     |
| 42) Bromodichloromethane      | 7.282 | 83  | 1557385 | 9.616 ppbv   | 97     |
| 43) Methyl Methacrylate       | 7.510 | 69  | 812259  | 10.415 ppbv  | 97     |
| 44) 2,2,4-Trimethylpentane    | 7.359 | 57  | 3412192 | 9.253 ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 8.745 | 75  | 573667  | 8.705 ppbv   | 97     |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/28/2022  
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 22 15:12:12 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M

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

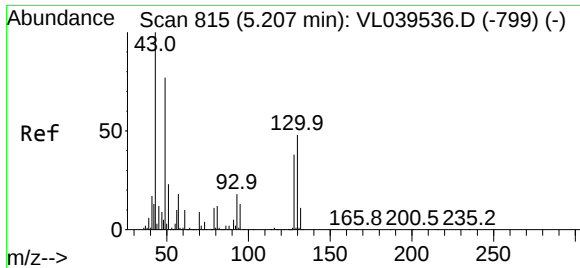
QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.176  | 75   | 869985   | 9.273  | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 8.934  | 97   | 826816   | 9.156  | ppbv   | 97       |
| 48) Dibromochloromethane      | 9.745  | 129  | 1366496  | 10.049 | ppbv   | 100      |
| 49) Bromoform                 | 12.436 | 173  | 1157523  | 10.292 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.217  | 43   | 2150292  | 9.956  | ppbv   | 97       |
| 51) 2-Hexanone                | 9.584  | 43   | 1595634  | 9.980  | ppbv # | 100      |
| 52) Tetrachloroethene         | 10.651 | 164  | 762394   | 9.341  | ppbv   | 95       |
| 53) Toluene                   | 9.253  | 91   | 2337533  | 9.824  | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.044 | 107  | 1050857  | 10.878 | ppbv   | 96       |
| 56) 1,1,1,2-Tetrachloroethane | 11.542 | 131  | 1075842  | 9.637  | ppbv   | 97       |
| 57) Chlorobenzene             | 11.561 | 112  | 1773723  | 8.732  | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.121 | 91   | 3134665  | 9.842  | ppbv   | 98       |
| 59) m/p-Xylene                | 12.404 | 91   | 5315372m | 18.752 | ppbv   |          |
| 60) o-Xylene                  | 13.092 | 91   | 2554664  | 9.438  | ppbv   | 98       |
| 61) Styrene                   | 12.931 | 104  | 1475532  | 10.122 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.063 | 105  | 3987697  | 9.790  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.079 | 83   | 1560978  | 14.457 | ppbv   | 99       |
| 64) n-propylbenzene           | 14.944 | 120  | 1026638  | 9.843  | ppbv   | 95       |
| 65) tert-Butylbenzene         | 16.124 | 119  | 3543839  | 9.848  | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.355 | 91   | 189527   | 6.615  | ppbv   | 98       |
| 67) sec-Butylbenzene          | 16.667 | 105  | 4999482  | 9.905  | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 17.027 | 119  | 4213719  | 10.160 | ppbv   | 100      |
| 70) n-Butylbenzene            | 17.918 | 91   | 4217083  | 10.372 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.831 | 91   | 2931954  | 9.970  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.224 | 105  | 3044238  | 9.851  | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.384 | 105  | 2757741  | 9.753  | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 16.140 | 105  | 3012913  | 9.506  | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 16.365 | 146  | 1790585  | 9.468  | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 16.503 | 146  | 1722657  | 9.105  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.175 | 146  | 1756679  | 9.525  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.667 | 225  | 1308438  | 9.285  | ppbv   | 100      |
| 79) Naphthalene               | 21.416 | 128  | 2414030  | 11.541 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.400 | 142  | 643445   | 8.181  | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 21.172 | 180  | 1402138  | 10.205 | ppbv   | 98       |

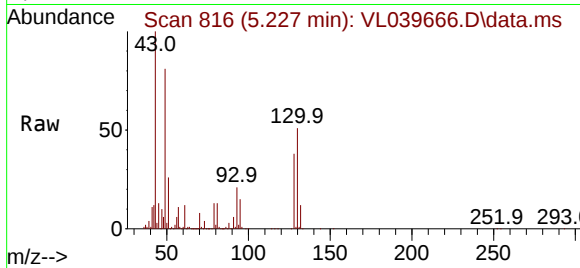
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.227 min Scan# 815  
Delta R.T. 0.020 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

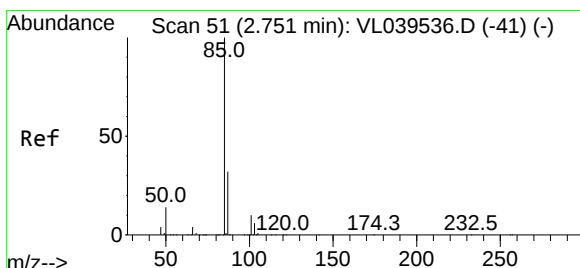
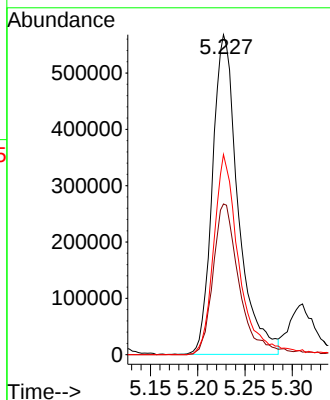
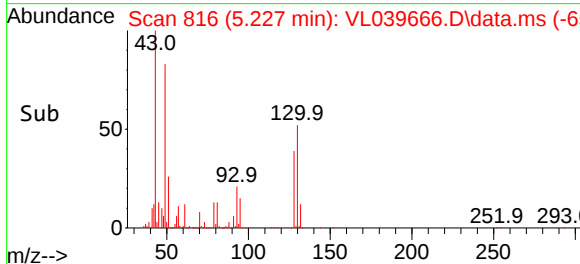
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 49 Resp: 107204  
Ion Ratio Lower Upper  
49 100  
128 48.9 26.7 80.0  
130 62.6 34.3 102.8

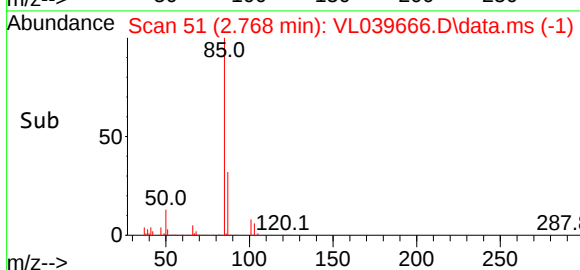
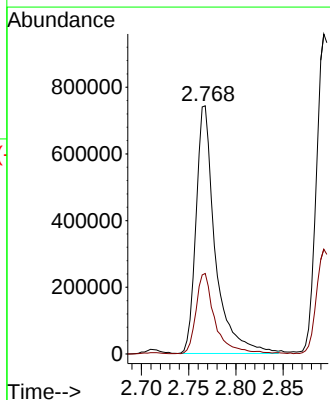
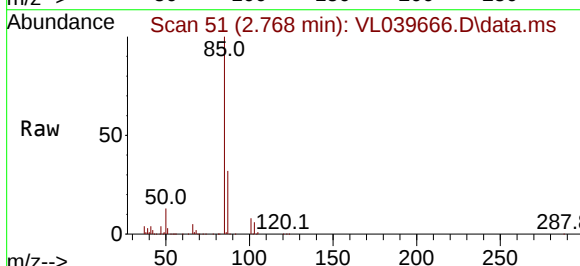
Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#2  
Dichlorodifluoromethane  
Concen: 8.437 ppbv  
RT: 2.768 min Scan# 51  
Delta R.T. 0.017 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

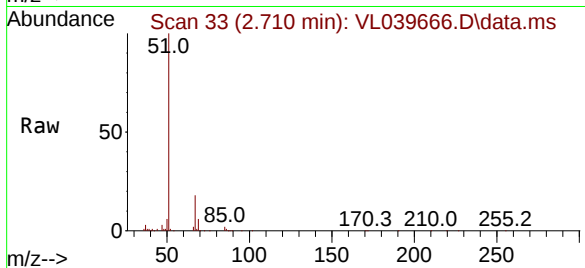
Tgt Ion: 85 Resp: 1048541  
Ion Ratio Lower Upper  
85 100  
87 32.4 26.7 40.1





#3  
Chlorodifluoromethane  
Concen: 8.944 ppbv  
RT: 2.710 min Scan# 31  
Delta R.T. 0.017 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

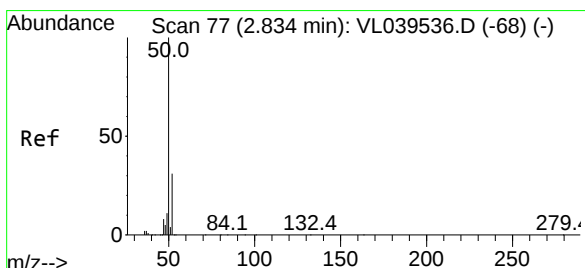
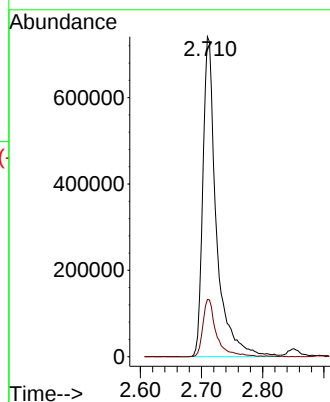
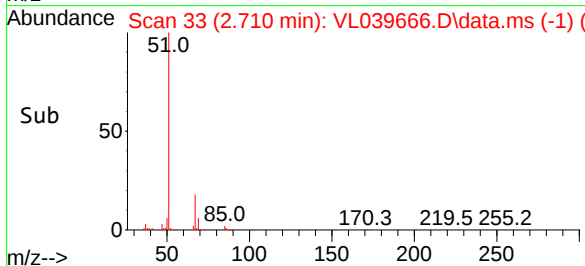
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



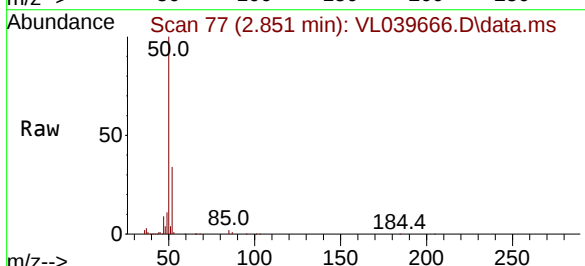
Tgt Ion: 51 Resp: 1137902  
Ion Ratio Lower Upper  
51 100  
67 18.2 15.7 23.5

Manual Integrations  
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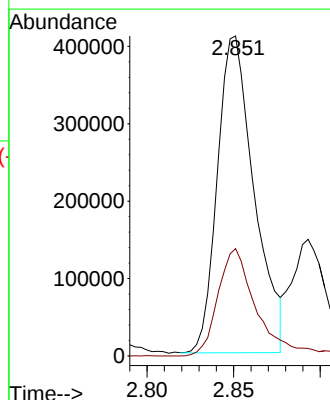
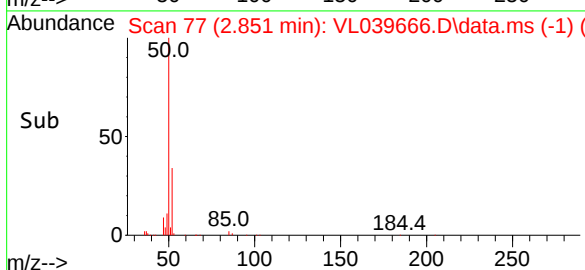
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

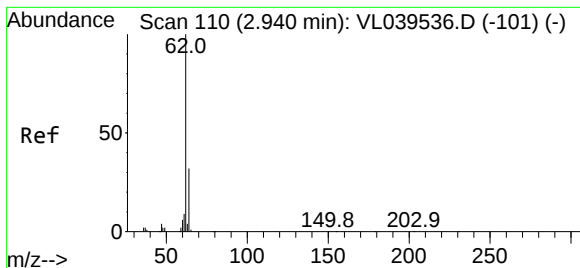


#4  
Chloromethane  
Concen: 7.891 ppbv  
RT: 2.851 min Scan# 77  
Delta R.T. 0.017 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



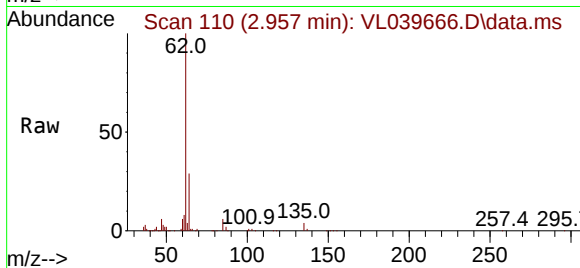
Tgt Ion: 50 Resp: 605812  
Ion Ratio Lower Upper  
50 100  
52 33.9 26.5 39.7





#5  
 Vinyl Chloride  
 Concen: 9.105 ppbv  
 RT: 2.957 min Scan# 110  
 Delta R.T. 0.017 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19

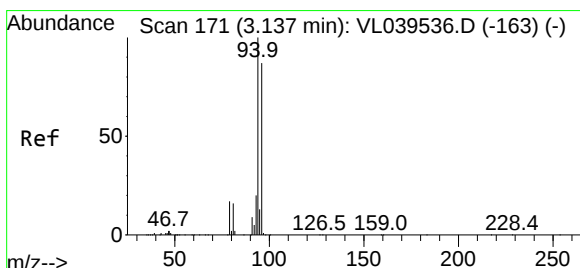
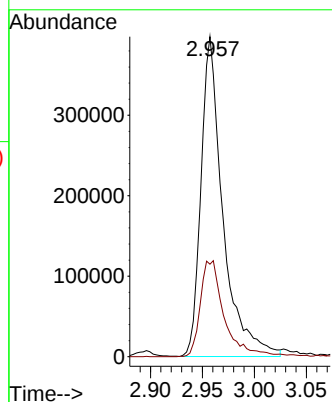
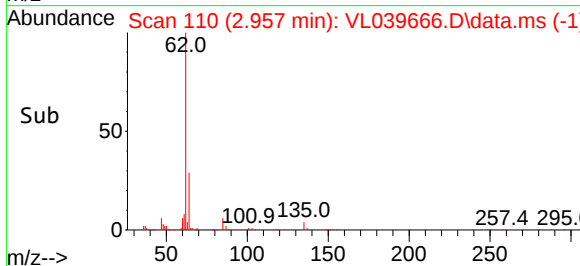
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



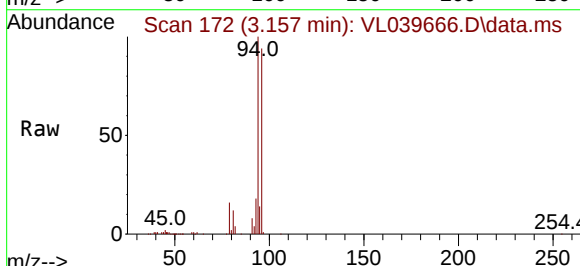
Tgt Ion: 62 Resp: 582644  
 Ion Ratio Lower Upper  
 62 100  
 64 28.8 24.6 36.8

Manual Integrations  
 APPROVED

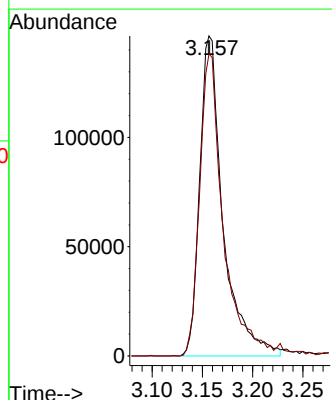
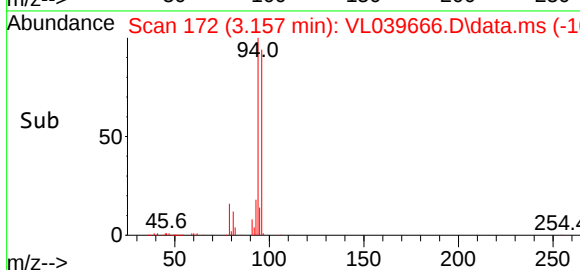
Reviewed By :Krupa Patel 09/28/2022  
 Supervised By :Mahesh Dadoda 09/28/2022

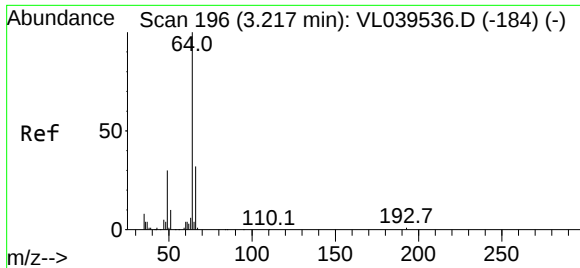


#6  
 Bromomethane  
 Concen: 9.998 ppbv  
 RT: 3.157 min Scan# 172  
 Delta R.T. 0.020 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19



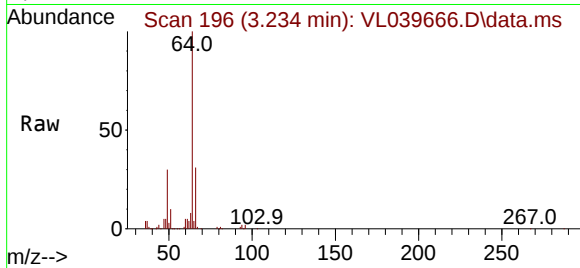
Tgt Ion: 94 Resp: 235953  
 Ion Ratio Lower Upper  
 94 100  
 96 94.4 75.6 113.4





#7  
Chloroethane  
Concen: 8.921 ppbv  
RT: 3.234 min Scan# 196  
Delta R.T. 0.017 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

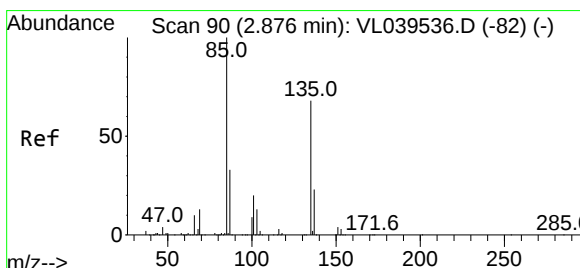
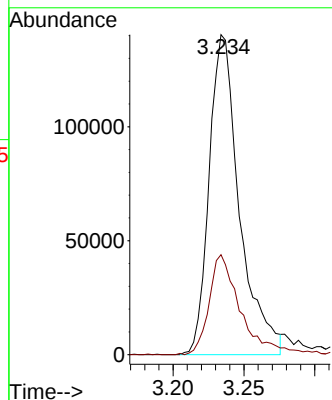
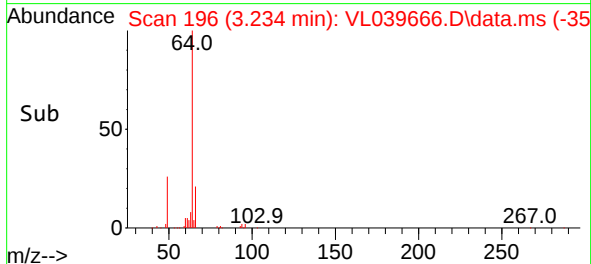
Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010EC



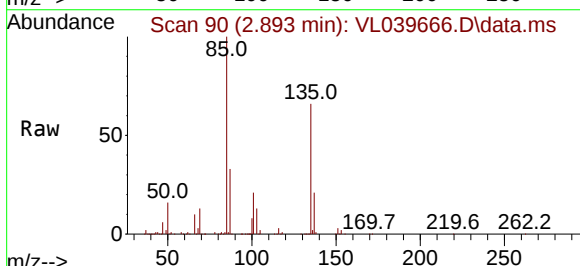
Tgt Ion: 64 Resp: 208783  
Ion Ratio Lower Upper  
64 100  
66 31.3 24.7 37.1

Manual Integrations  
APPROVED

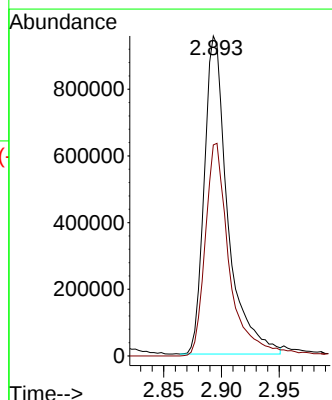
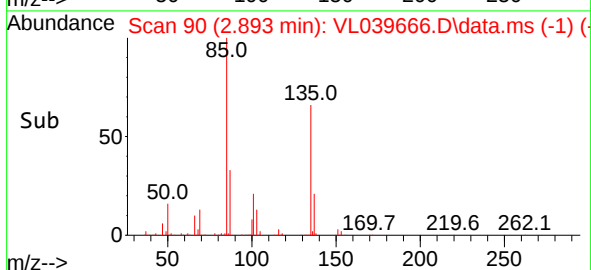
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#8  
Dichlorotetrafluoroethane  
Concen: 9.061 ppbv  
RT: 2.893 min Scan# 90  
Delta R.T. 0.017 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



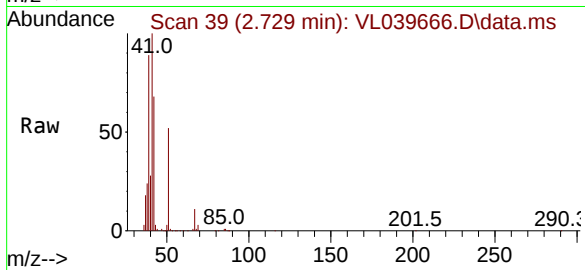
Tgt Ion: 85 Resp: 1350903  
Ion Ratio Lower Upper  
85 100  
135 70.6 59.0 88.4





#9  
 Propene  
 Concen: 8.737 ppbv  
 RT: 2.729 min Scan# 39  
 Delta R.T. 0.014 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19

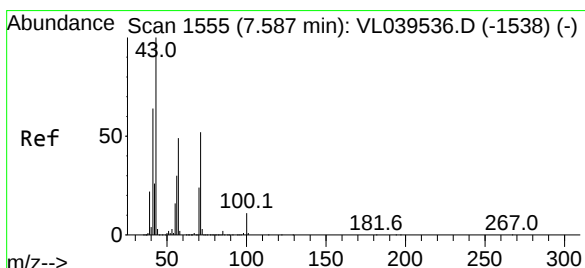
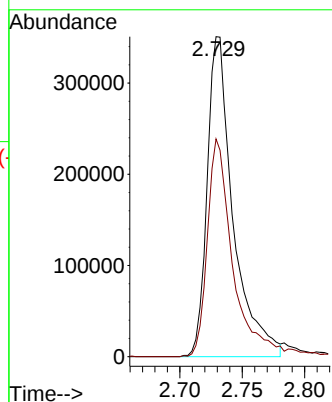
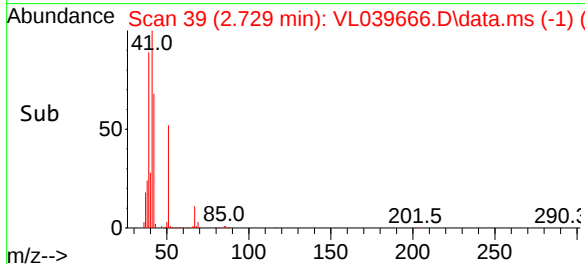
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



Tgt Ion: 41 Resp: 507682  
 Ion Ratio Lower Upper  
 41 100  
 42 68.8 55.2 82.8

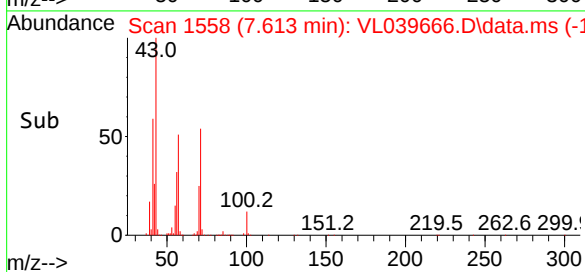
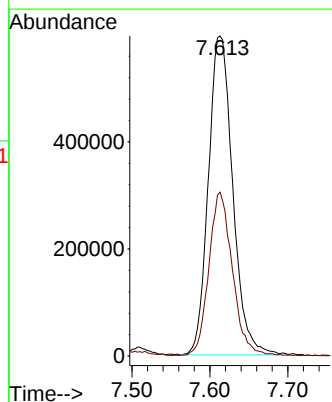
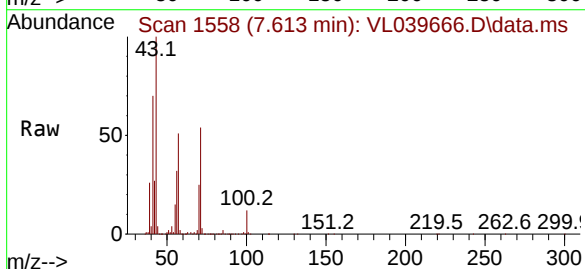
Manual Integrations  
 APPROVED

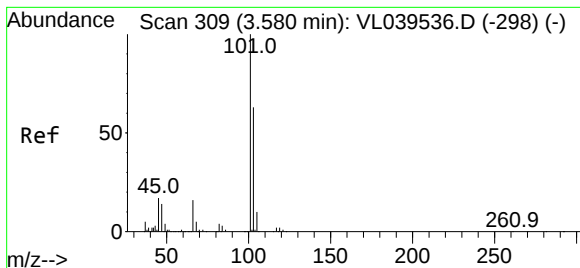
Reviewed By :Krupa Patel 09/28/2022  
 Supervised By :Mahesh Dadoda 09/28/2022



#10  
 Heptane  
 Concen: 9.560 ppbv  
 RT: 7.613 min Scan# 1558  
 Delta R.T. 0.026 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19

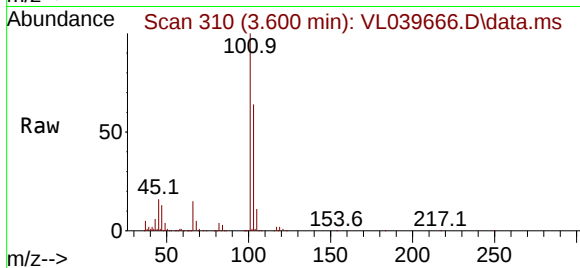
Tgt Ion: 43 Resp: 1296183  
 Ion Ratio Lower Upper  
 43 100  
 57 49.7 40.5 60.7





#11  
Trichlorofluoromethane  
Concen: 9.195 ppbv  
RT: 3.600 min Scan# 310  
Delta R.T. 0.020 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

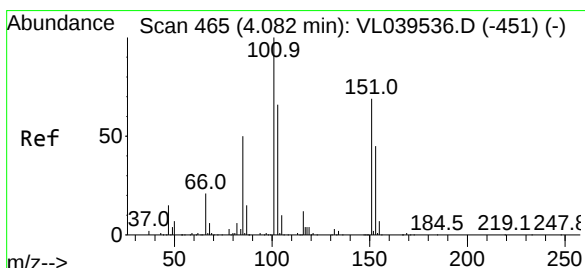
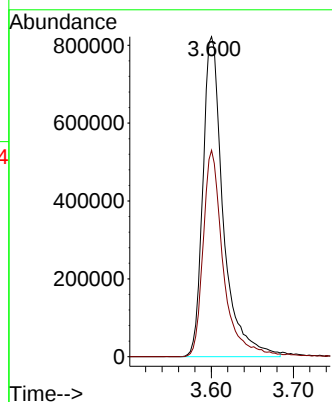
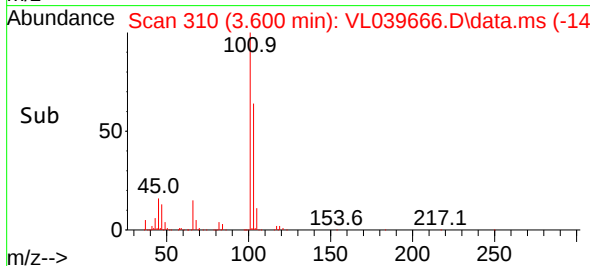
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:101 Resp: 1415200  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.8 77.8

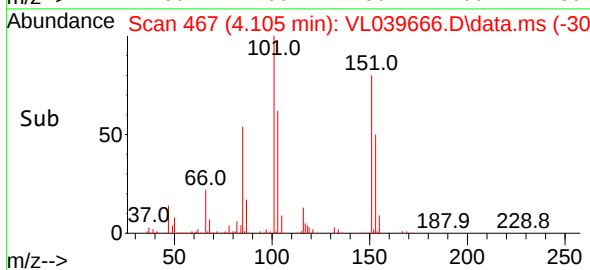
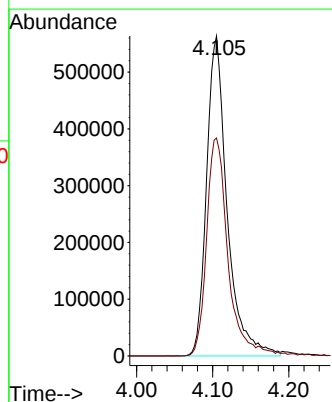
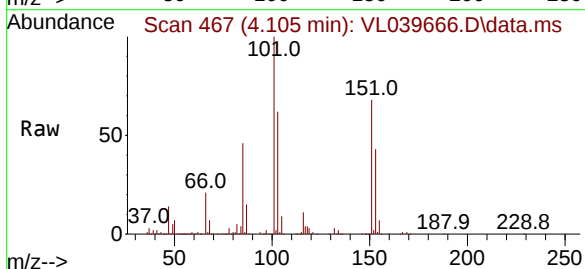
Manual Integrations  
APPROVED

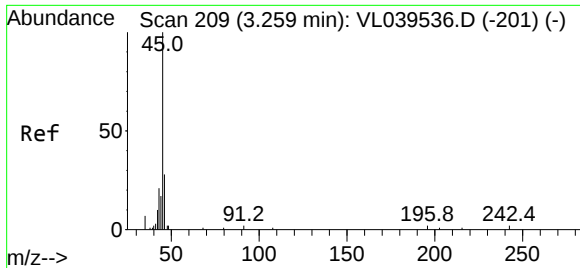
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.114 ppbv  
RT: 4.105 min Scan# 467  
Delta R.T. 0.023 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

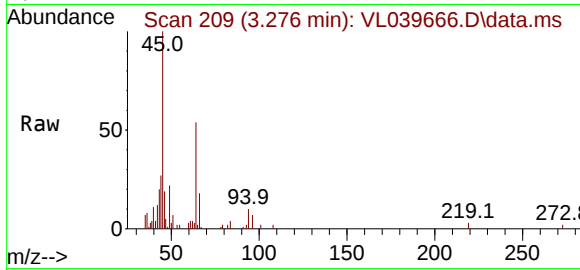
Tgt Ion:101 Resp: 1059534  
Ion Ratio Lower Upper  
101 100  
151 71.4 58.9 88.3





#13  
Ethanol  
Concen: 6.557 ppbv  
RT: 3.276 min Scan# 209  
Delta R.T. 0.017 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

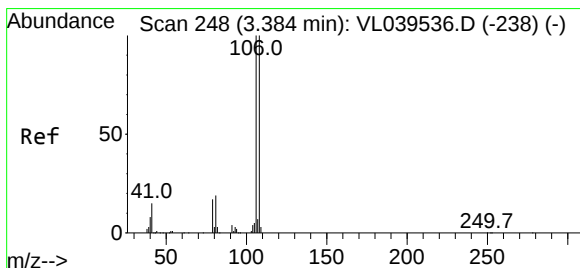
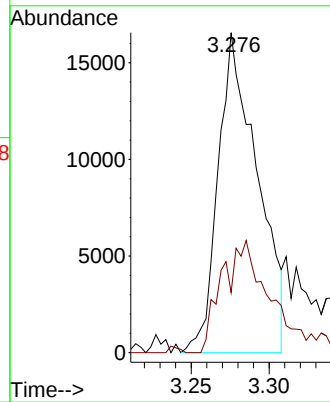
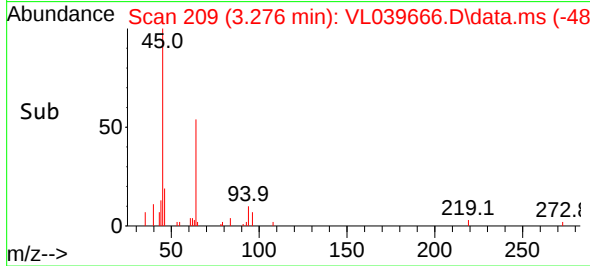
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



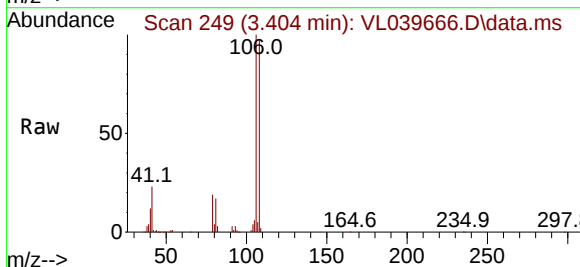
Tgt Ion: 45 Resp: 2902  
Ion Ratio Lower Upper  
45 100  
46 44.8 22.8 91.2

Manual Integrations  
APPROVED

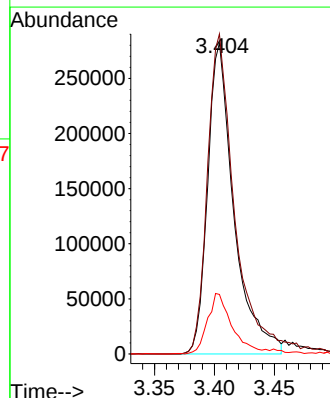
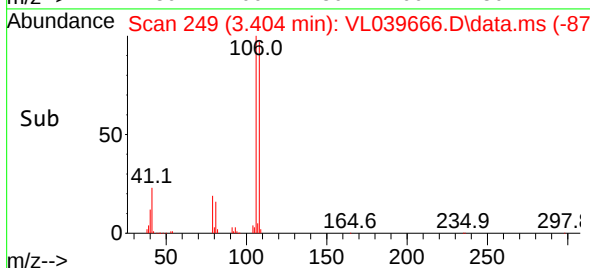
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

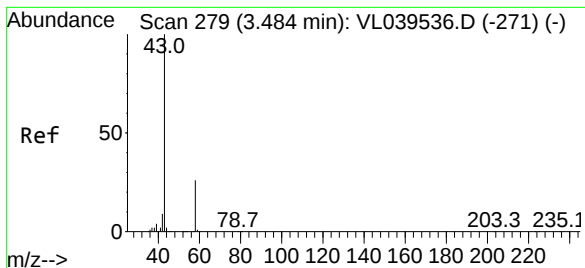


#14  
Bromoethene  
Concen: 9.248 ppbv  
RT: 3.404 min Scan# 249  
Delta R.T. 0.020 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



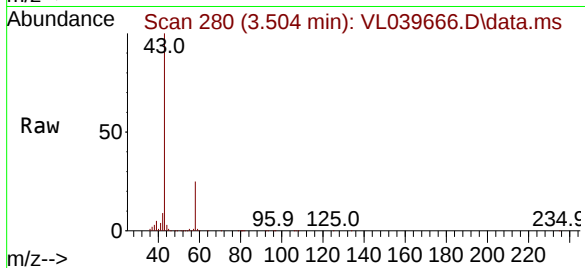
Tgt Ion:108 Resp: 429208  
Ion Ratio Lower Upper  
108 100  
106 110.6 87.1 130.7  
79 19.3 14.6 22.0





#15  
Acetone  
Concen: 8.810 ppbv  
RT: 3.504 min Scan# 21  
Delta R.T. 0.020 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

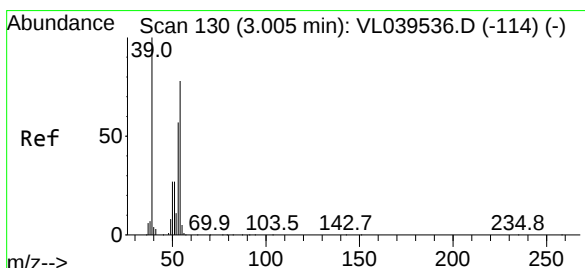
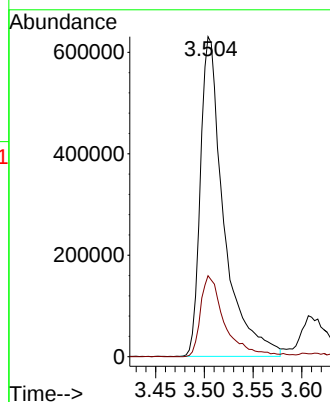
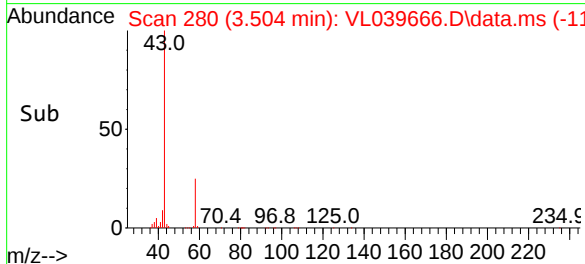
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



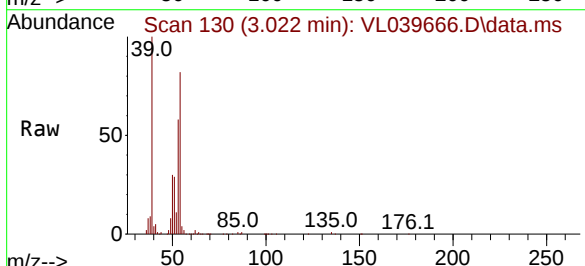
Tgt Ion: 43 Resp: 1050990  
Ion Ratio Lower Upper  
43 100  
58 26.5 21.0 31.6

Manual Integrations  
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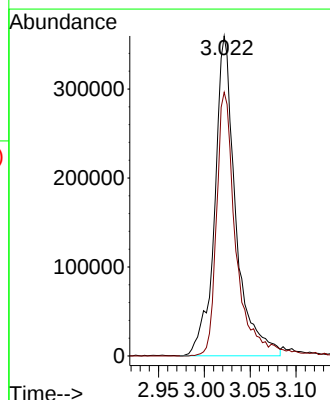
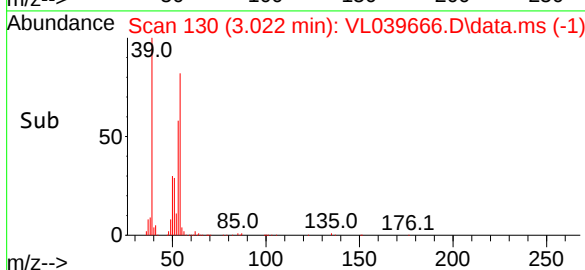
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

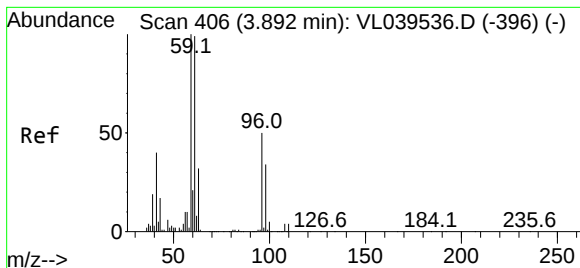


#16  
1,3-Butadiene  
Concen: 9.493 ppbv  
RT: 3.022 min Scan# 130  
Delta R.T. 0.017 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



Tgt Ion: 39 Resp: 574479  
Ion Ratio Lower Upper  
39 100  
54 77.6 63.7 95.5





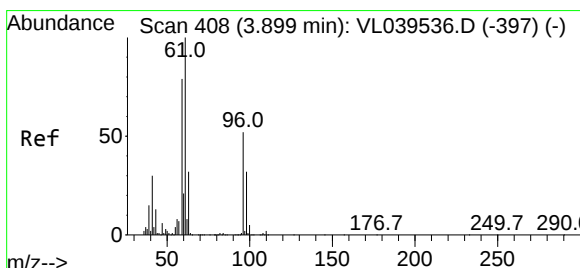
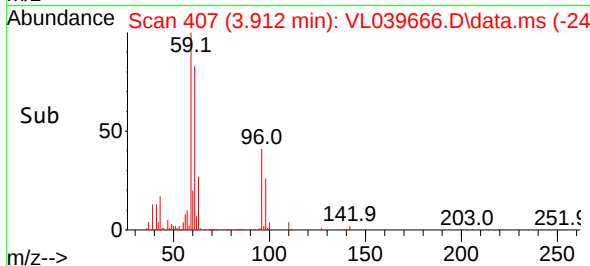
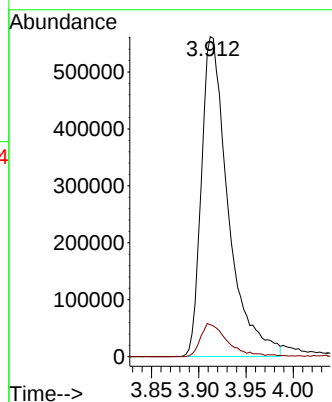
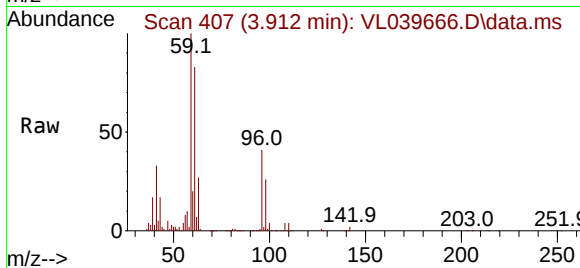
#17  
tert-Butyl alcohol  
Concen: 10.359 ppbv  
RT: 3.912 min Scan# 407  
Delta R.T. 0.020 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 59 Resp: 110897  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.7 13.1

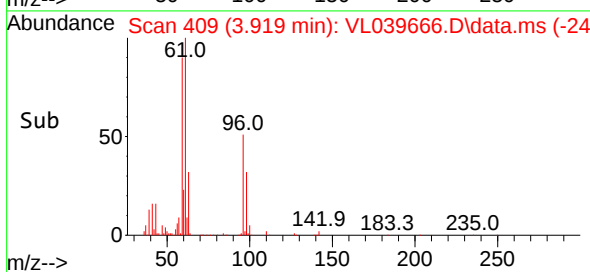
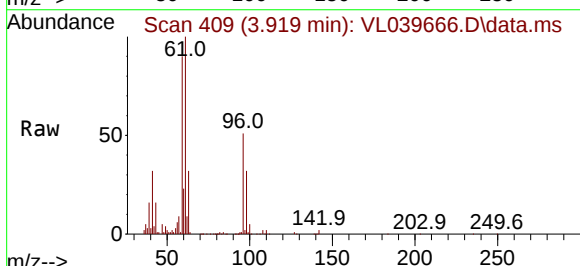
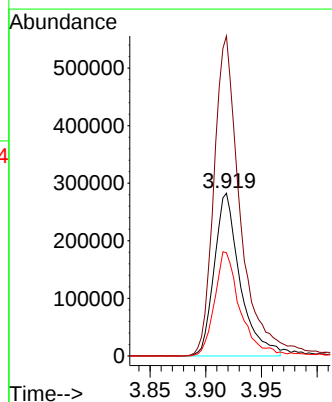
Manual Integrations  
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Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#18  
1,1-Dichloroethene  
Concen: 8.904 ppbv  
RT: 3.919 min Scan# 409  
Delta R.T. 0.020 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

Tgt Ion: 96 Resp: 455435  
Ion Ratio Lower Upper  
96 100  
61 196.6 152.2 228.4  
98 63.4 51.8 77.6





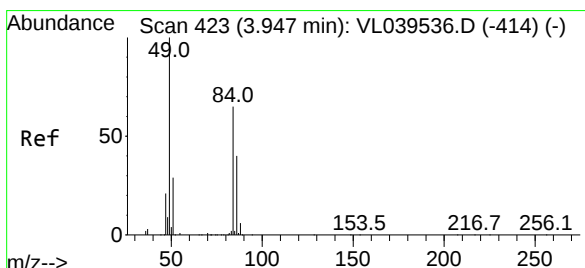
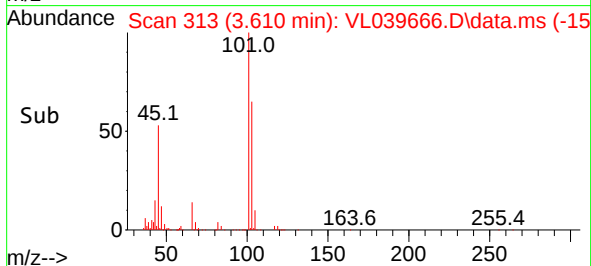
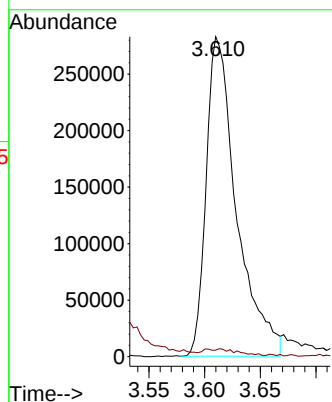
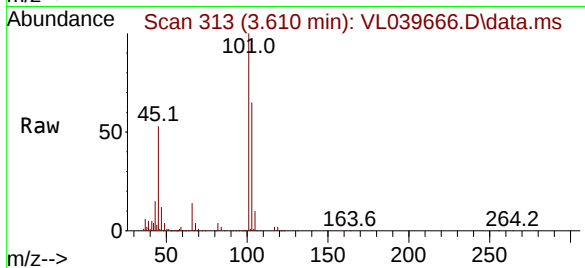
#19  
Isopropyl Alcohol  
Concen: 8.798 ppbv  
RT: 3.610 min Scan# 312  
Delta R.T. 0.020 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 45 Resp: 534964  
Ion Ratio Lower Upper  
45 100  
58 2.7 3.2 4.8

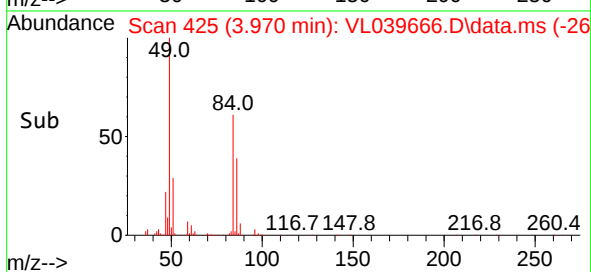
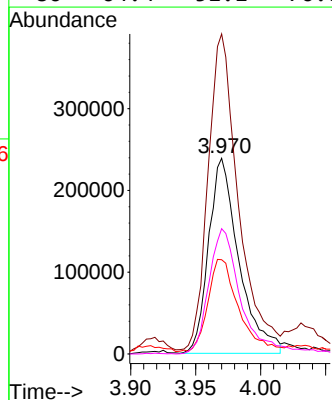
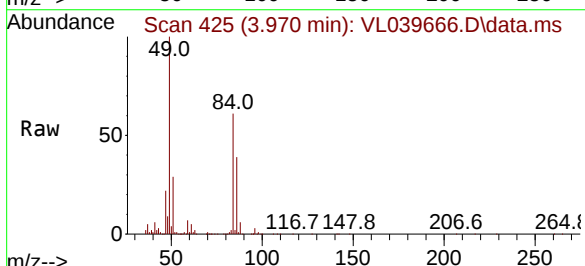
Manual Integrations  
APPROVED

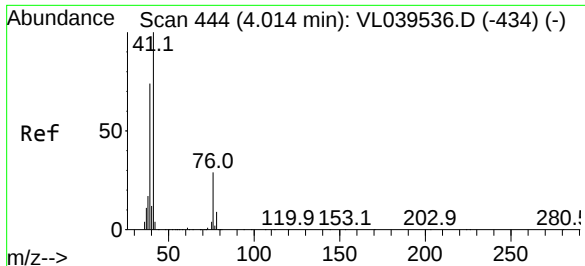
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#20  
Methylene Chloride  
Concen: 7.028 ppbv  
RT: 3.970 min Scan# 425  
Delta R.T. 0.023 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

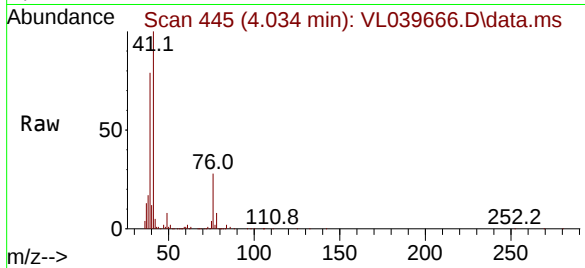
Tgt Ion: 84 Resp: 387603  
Ion Ratio Lower Upper  
84 100  
49 162.4 123.1 184.7  
51 47.0 34.4 51.6  
86 64.4 51.1 76.7





#21  
 Allyl Chloride  
 Concen: 8.704 ppbv  
 RT: 4.034 min Scan# 444  
 Delta R.T. 0.020 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19

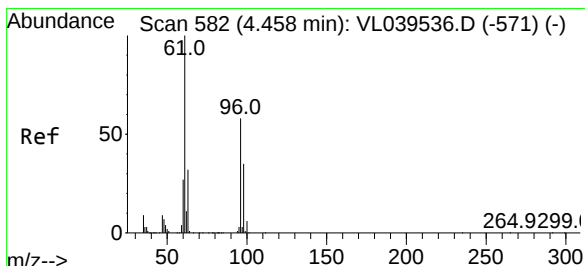
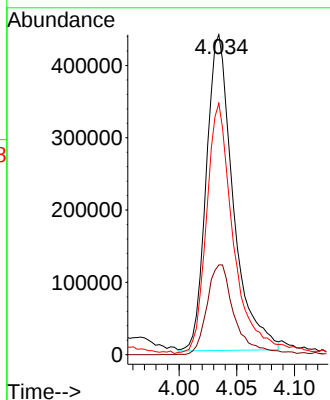
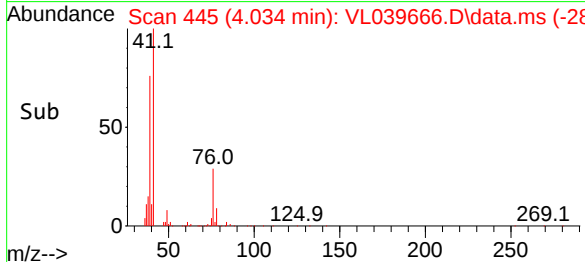
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



Tgt Ion: 41 Resp: 707000  
 Ion Ratio Lower Upper  
 41 100  
 76 29.4 24.4 36.6  
 39 80.8 63.5 95.3

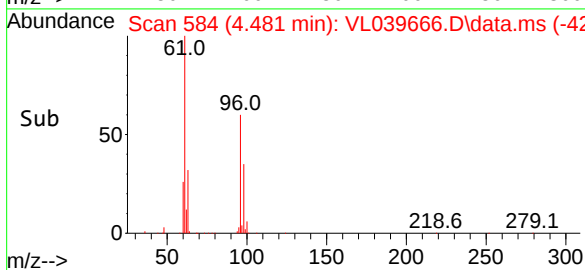
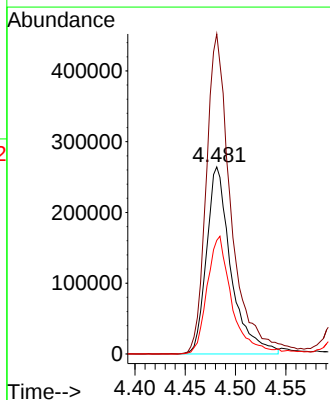
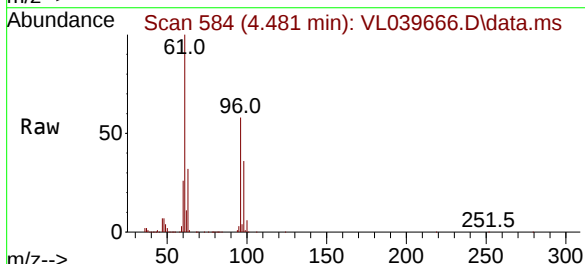
Manual Integrations  
 APPROVED

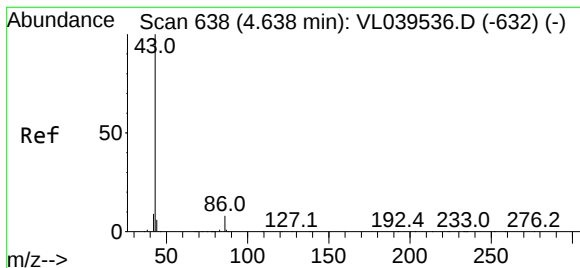
Reviewed By :Krupa Patel 09/28/2022  
 Supervised By :Mahesh Dadoda 09/28/2022



#22  
 trans-1,2-Dichloroethene  
 Concen: 8.846 ppbv  
 RT: 4.481 min Scan# 584  
 Delta R.T. 0.023 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19

Tgt Ion: 96 Resp: 447634  
 Ion Ratio Lower Upper  
 96 100  
 61 171.0 130.6 195.8  
 98 60.7 53.4 80.0





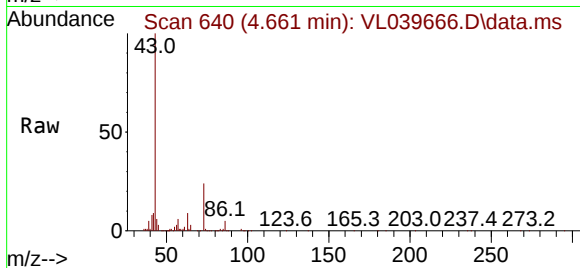
#23  
 Vinyl Acetate  
 Concen: 5.025 ppbv  
 RT: 4.661 min Scan# 640  
 Delta R.T. 0.023 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



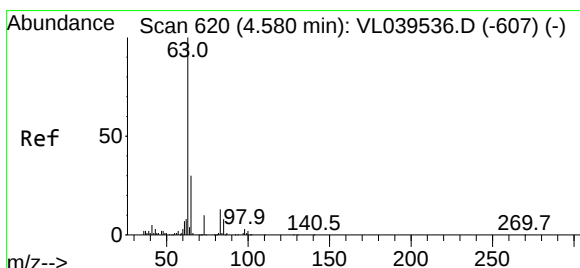
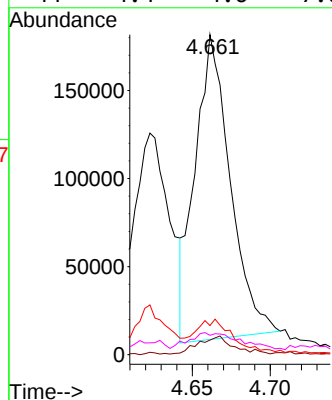
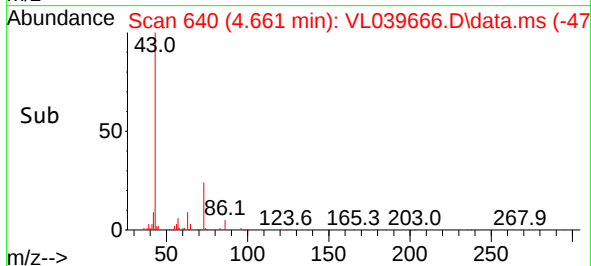
Tgt Ion: 43 Resp: 270993  
 Ion Ratio Lower Upper  
 43 100  
 86 4.4 5.0 7.6  
 42 8.3 7.7 11.5  
 44 4.4 4.6 7.0#

Manual Integrations

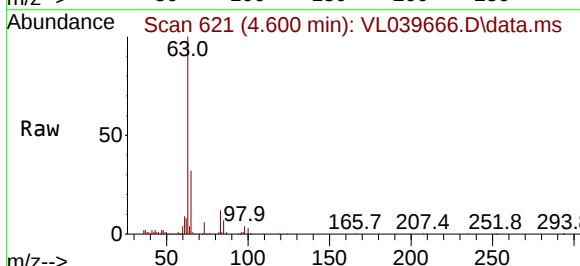
APPROVED

Reviewed By :Krupa Patel 09/28/2022

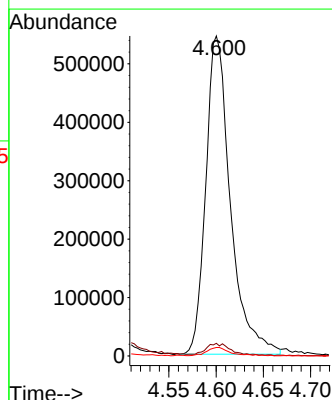
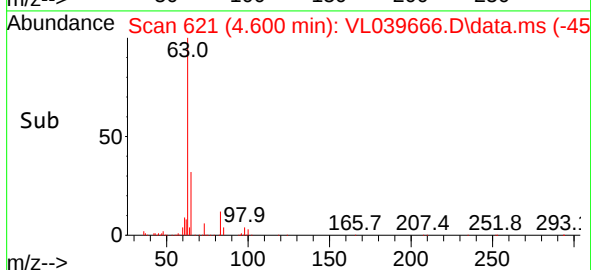
Supervised By :Mahesh Dadoda 09/28/2022

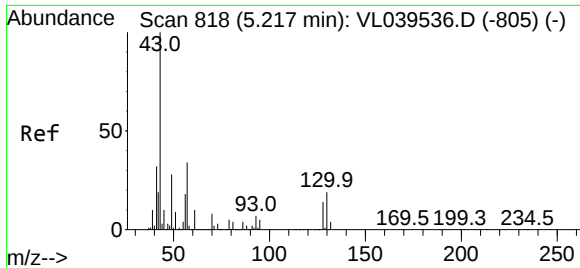


#24  
 1,1-Dichloroethane  
 Concen: 9.184 ppbv  
 RT: 4.600 min Scan# 621  
 Delta R.T. 0.020 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19



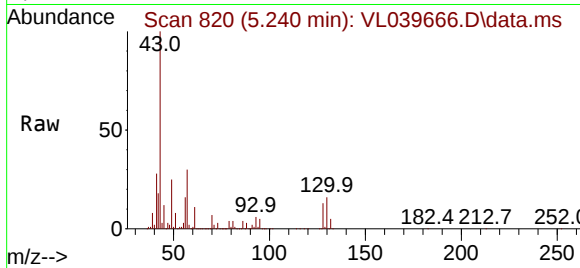
Tgt Ion: 63 Resp: 986289  
 Ion Ratio Lower Upper  
 63 100  
 98 3.7 1.8 5.3  
 100 2.6 1.5 4.4





#25  
Ethyl Acetate  
Concen: 10.238 ppbv  
RT: 5.240 min Scan# 818  
Delta R.T. 0.023 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

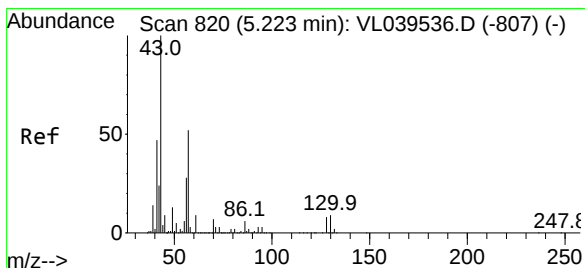
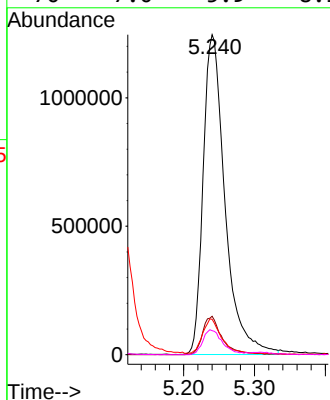
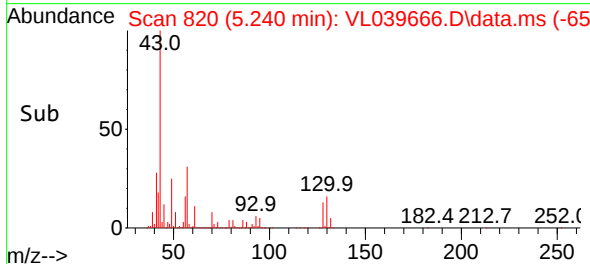
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



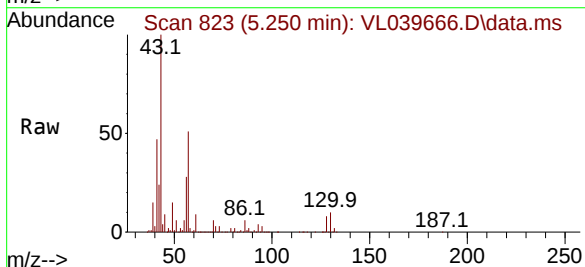
Tgt Ion: 43 Resp: 2663089  
Ion Ratio Lower Upper  
43 100  
45 11.0 8.2 12.4  
61 10.6 8.3 12.5  
70 7.0 5.9 8.9

Manual Integrations  
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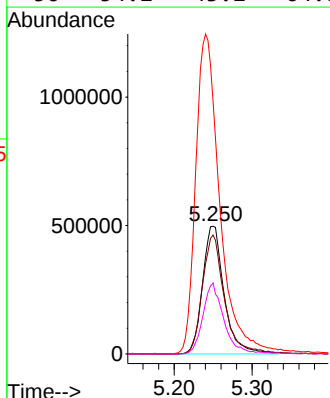
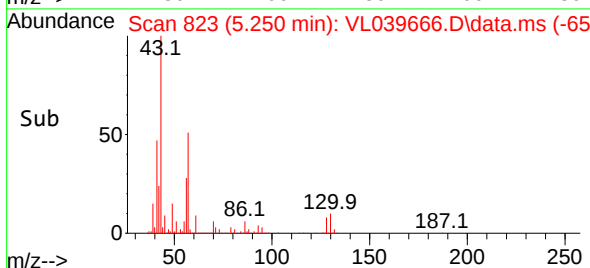
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

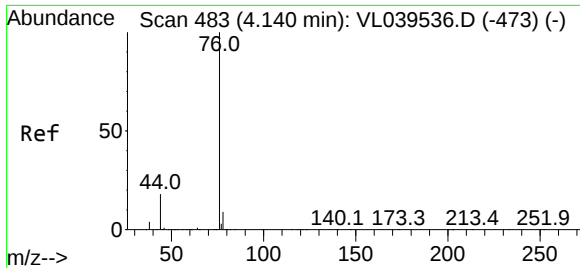


#26  
Hexane  
Concen: 8.672 ppbv  
RT: 5.250 min Scan# 823  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



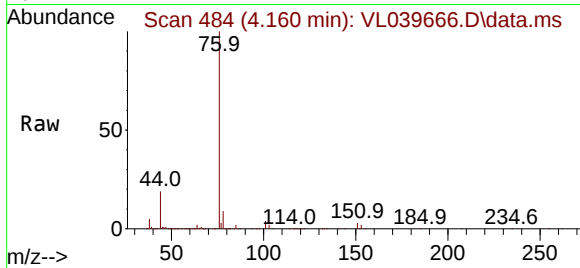
Tgt Ion: 57 Resp: 957222  
Ion Ratio Lower Upper  
57 100  
41 96.4 76.9 115.3  
43 283.0 191.0 286.6  
56 54.2 43.2 64.8





#27  
Carbon Disulfide  
Concen: 9.172 ppbv  
RT: 4.160 min Scan# 41  
Delta R.T. 0.020 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

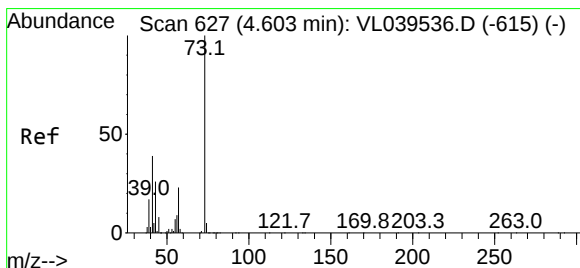
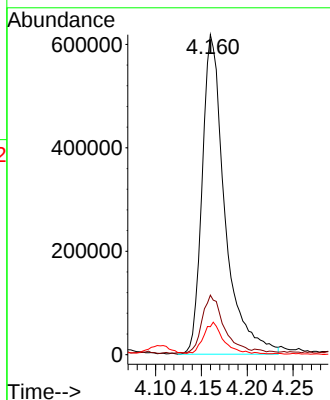
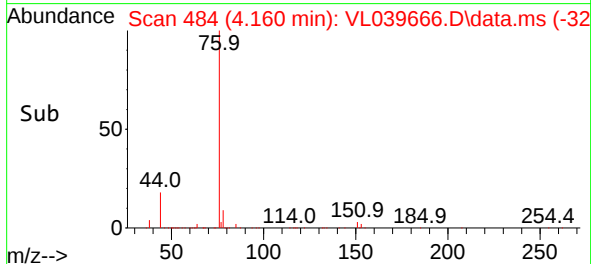
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 76 Resp: 106407  
Ion Ratio Lower Upper  
76 100  
44 18.4 14.6 21.8  
78 10.1 7.8 11.6

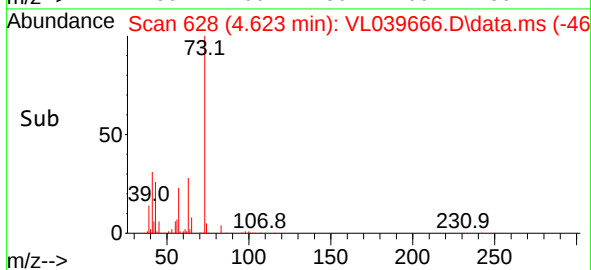
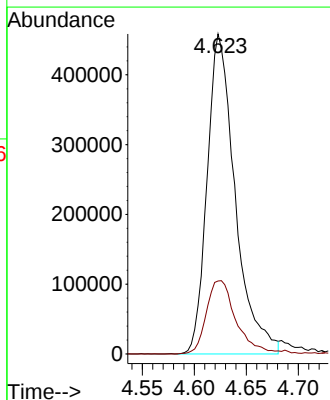
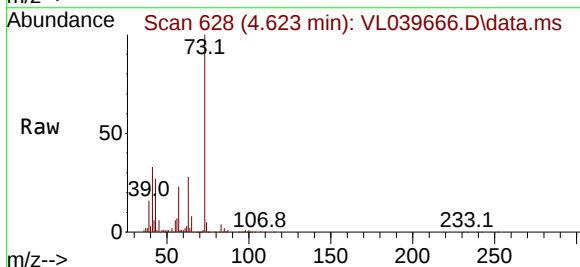
Manual Integrations  
APPROVED

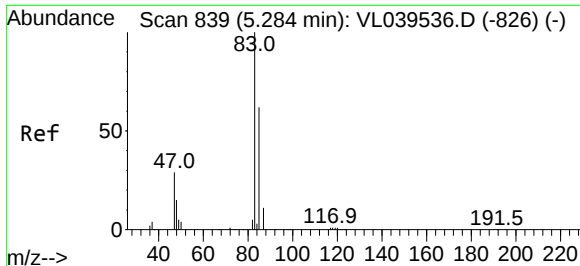
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#28  
Methyl tert-Butyl Ether  
Concen: 9.279 ppbv  
RT: 4.623 min Scan# 628  
Delta R.T. 0.020 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

Tgt Ion: 73 Resp: 860484  
Ion Ratio Lower Upper  
73 100  
57 25.1 19.8 29.8





#29

Chloroform

Concen: 9.186 ppbv

RT: 5.308 min Scan# 841

Delta R.T. 0.023 min

Lab File: VL039666.D

Acq: 22 Sep 2022 12:19

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 146393

Ion Ratio Lower Upper

83 100

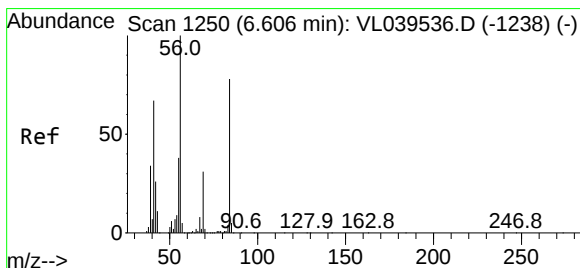
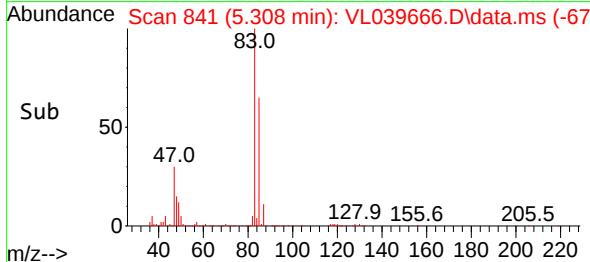
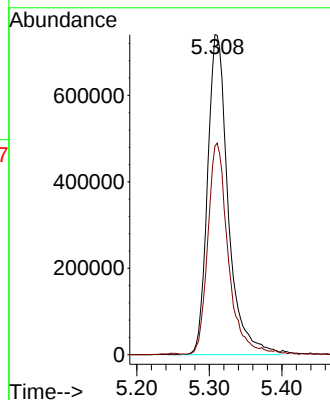
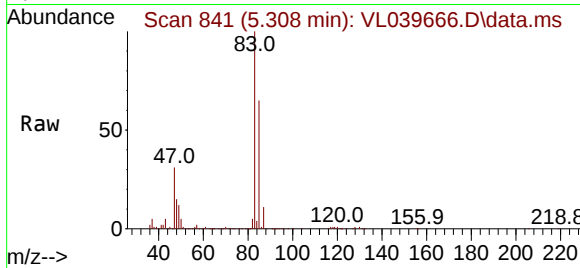
85 64.9 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#30

Cyclohexane

Concen: 9.514 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. 0.033 min

Lab File: VL039666.D

Acq: 22 Sep 2022 12:19

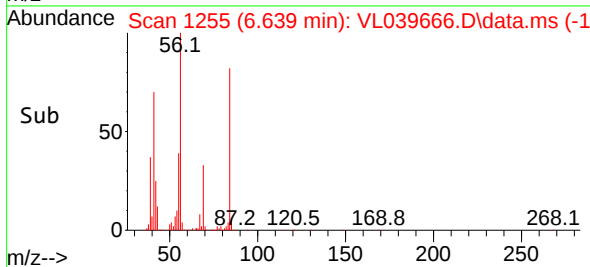
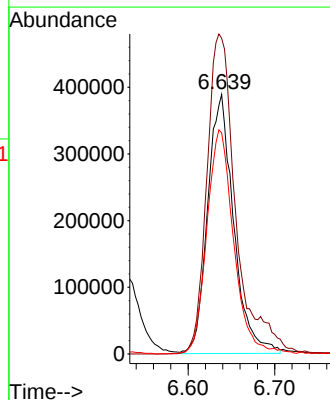
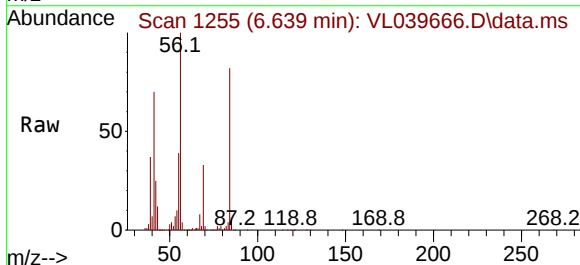
Tgt Ion: 84 Resp: 813304

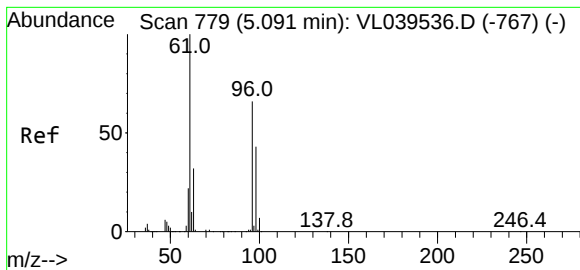
Ion Ratio Lower Upper

84 100

56 138.1 107.7 161.5

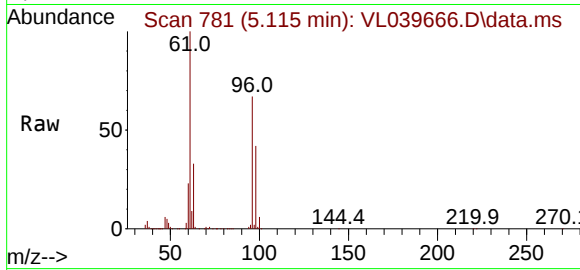
41 89.6 67.7 101.5





#31  
cis-1,2-Dichloroethene  
Concen: 9.158 ppbv  
RT: 5.115 min Scan# 779  
Delta R.T. 0.023 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

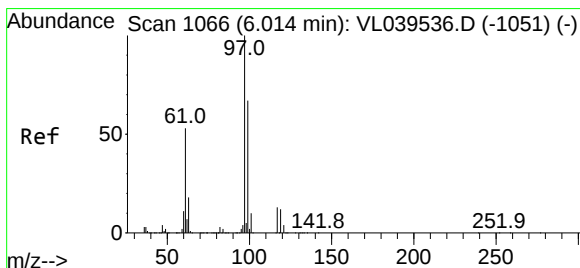
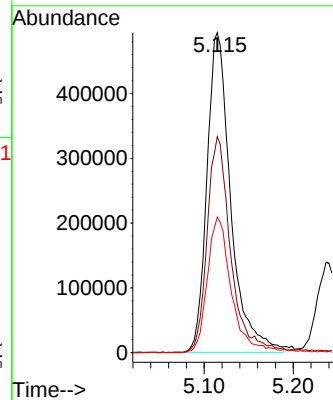
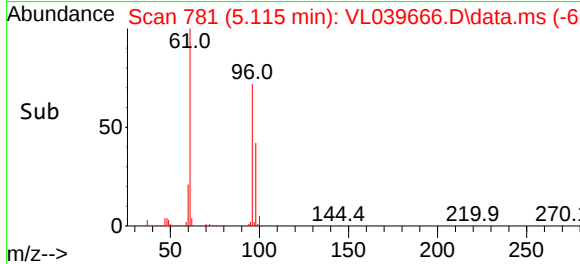
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 61 Resp: 914350  
Ion Ratio Lower Upper  
61 100  
96 67.5 54.1 81.1  
98 42.4 34.6 52.0

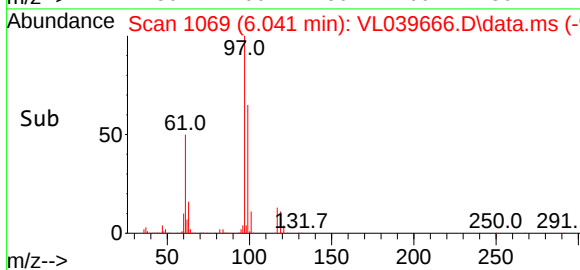
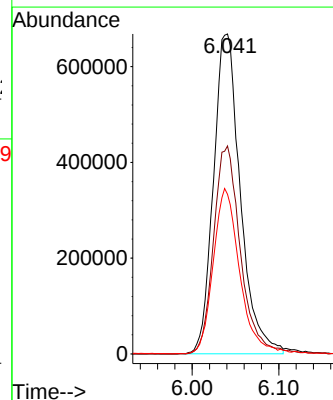
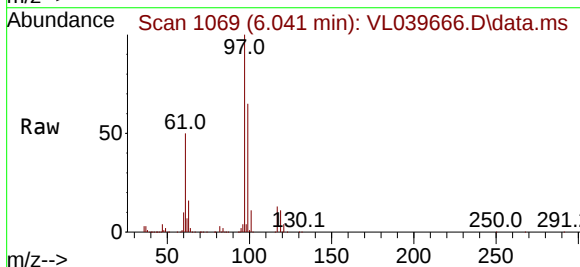
Manual Integrations  
APPROVED

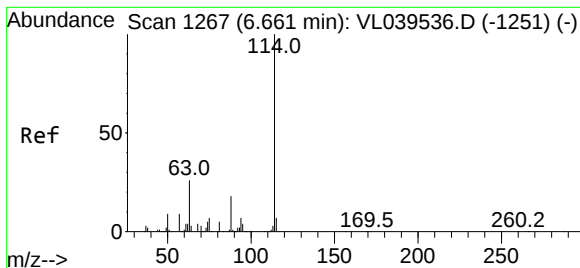
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#32  
1,1,1-Trichloroethane  
Concen: 9.988 ppbv  
RT: 6.041 min Scan# 1069  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

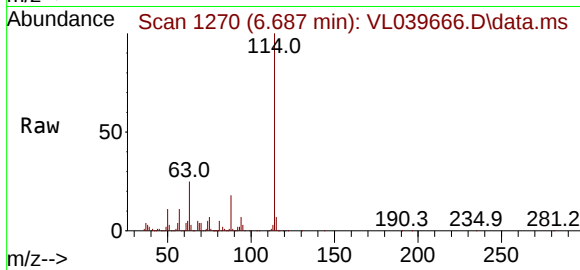
Tgt Ion: 97 Resp: 1440893  
Ion Ratio Lower Upper  
97 100  
99 65.5 52.3 78.5  
61 51.6 40.9 61.3





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.687 min Scan# 114  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

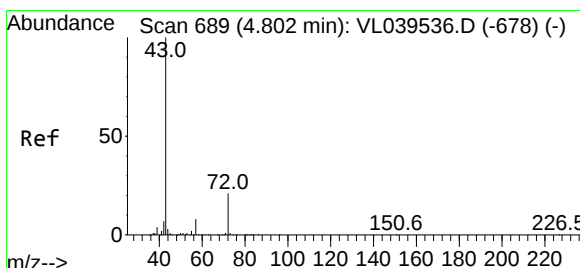
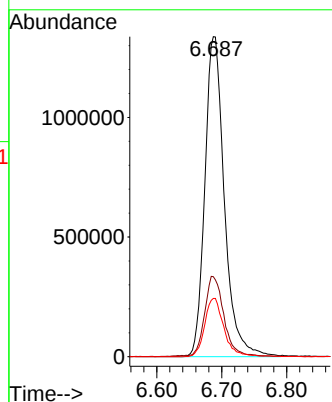
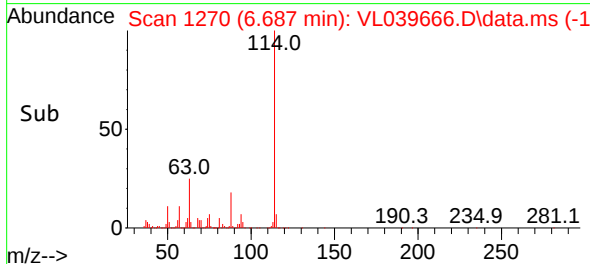
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



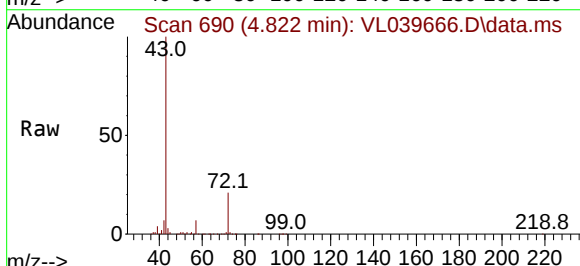
Tgt Ion:114 Resp: 2798330  
Ion Ratio Lower Upper  
114 100  
63 25.1 20.2 30.4  
88 18.0 14.5 21.7

Manual Integrations  
APPROVED

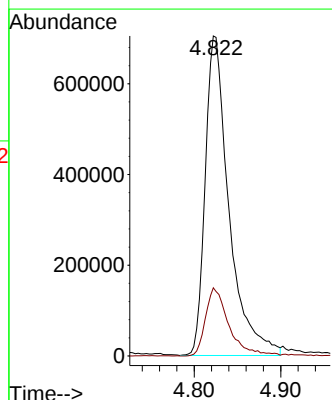
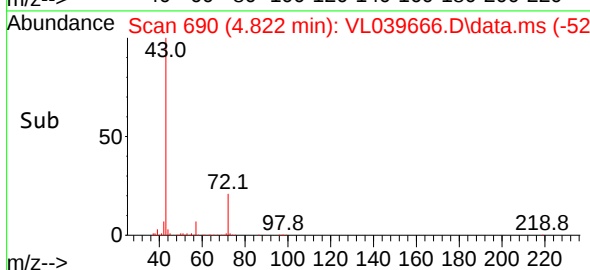
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

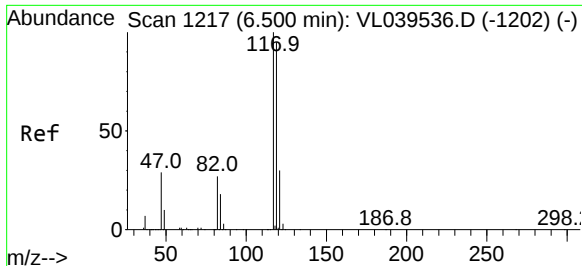


#34  
2-Butanone  
Concen: 9.776 ppbv  
RT: 4.822 min Scan# 690  
Delta R.T. 0.020 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



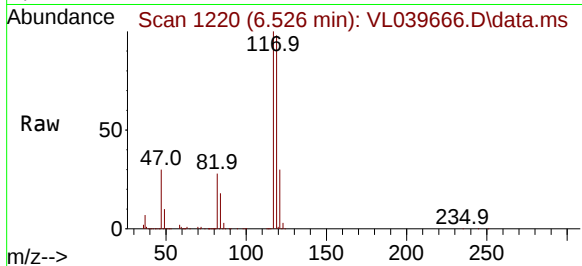
Tgt Ion: 43 Resp: 1343710  
Ion Ratio Lower Upper  
43 100  
72 21.4 17.9 26.9





#35  
Carbon Tetrachloride  
Concen: 9.985 ppbv  
RT: 6.526 min Scan# 1182  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

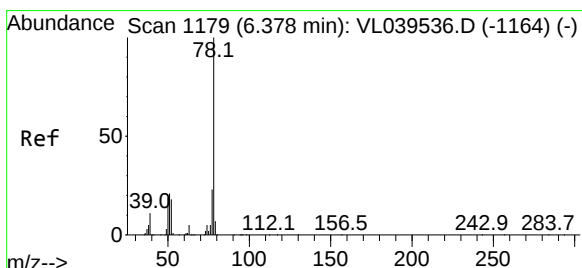
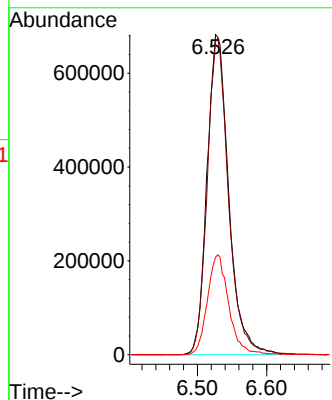
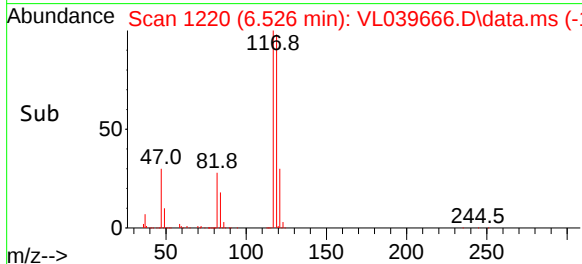
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:117 Resp: 1483290  
Ion Ratio Lower Upper  
117 100  
119 97.9 75.4 113.2  
121 30.4 24.2 36.2

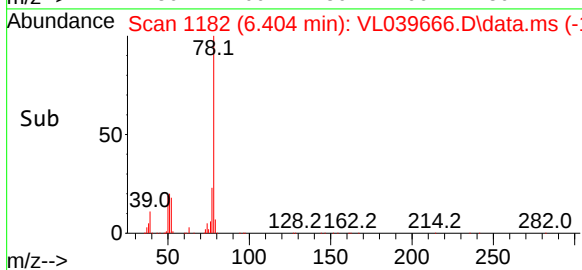
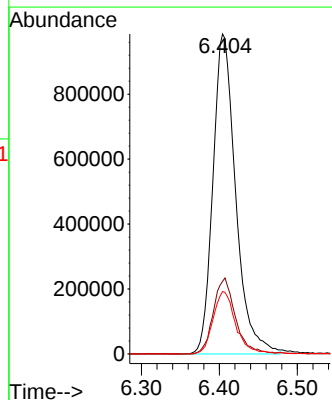
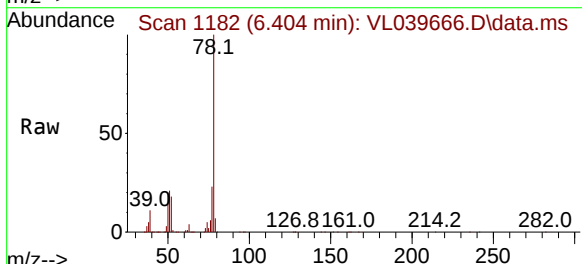
Manual Integrations  
APPROVED

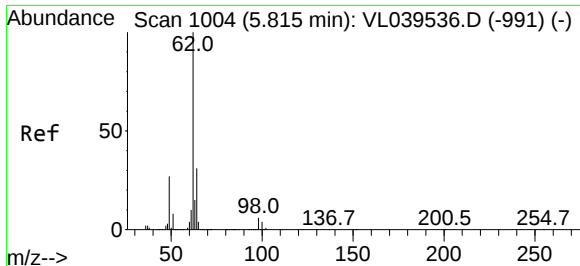
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#36  
Benzene  
Concen: 9.337 ppbv  
RT: 6.404 min Scan# 1182  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

Tgt Ion: 78 Resp: 1997504  
Ion Ratio Lower Upper  
78 100  
77 22.7 20.3 30.5  
50 19.5 15.5 23.3





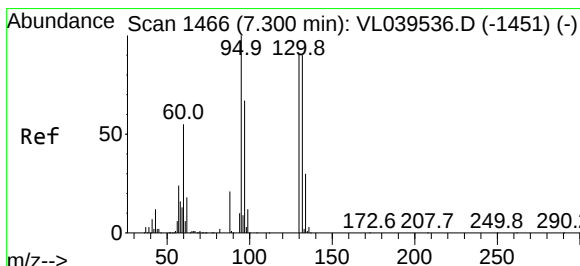
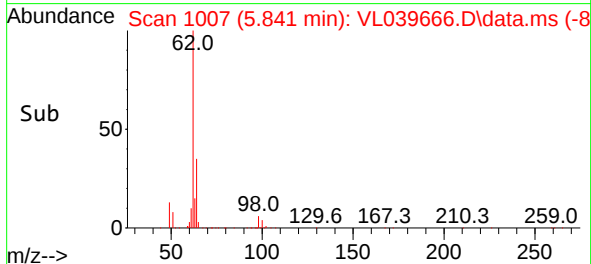
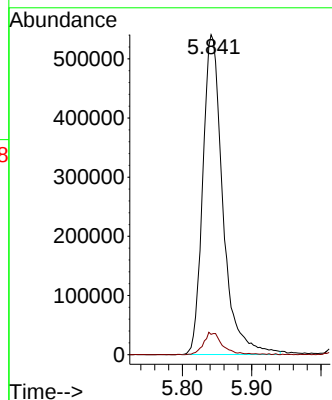
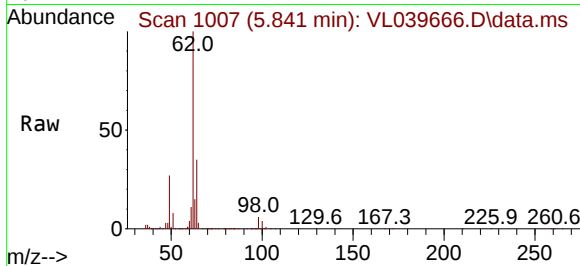
#37  
1,2-Dichloroethane  
Concen: 9.330 ppbv  
RT: 5.841 min Scan# 1007  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 62 Resp: 1086429  
Ion Ratio Lower Upper  
62 100  
98 6.6 5.1 7.7

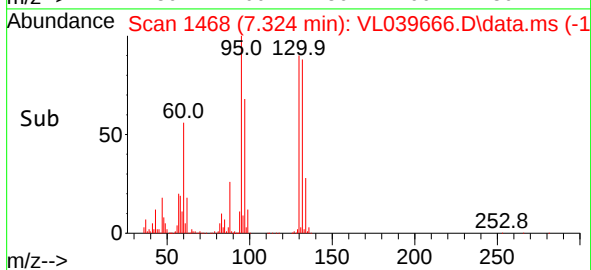
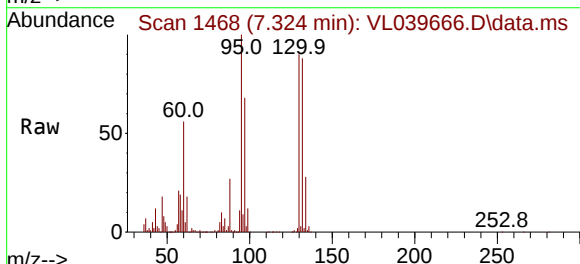
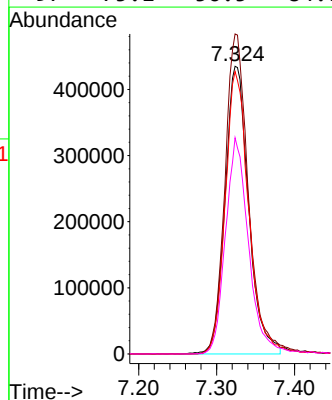
Manual Integrations  
APPROVED

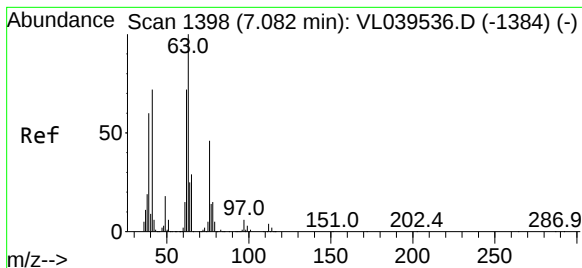
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#38  
Trichloroethene  
Concen: 7.896 ppbv  
RT: 7.324 min Scan# 1468  
Delta R.T. 0.023 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

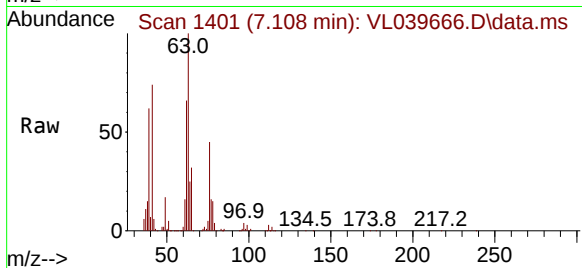
Tgt Ion:130 Resp: 912945  
Ion Ratio Lower Upper  
130 100  
95 111.2 87.3 130.9  
132 98.2 76.7 115.1  
97 75.1 56.5 84.7





#39  
1,2-Dichloropropane  
Concen: 9.296 ppbv  
RT: 7.108 min Scan# 1401  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

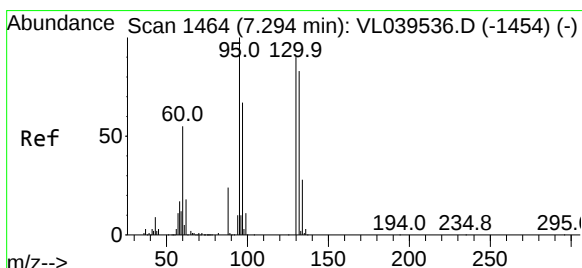
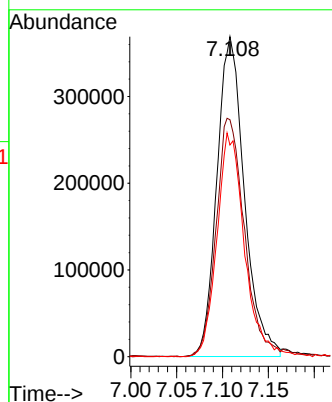
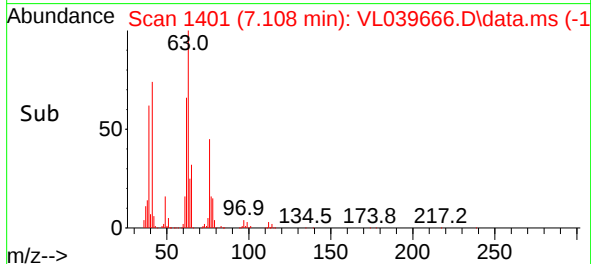
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



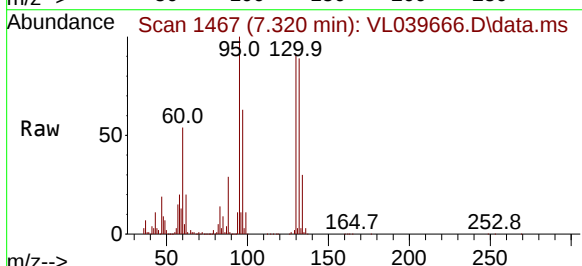
Tgt Ion: 63 Resp: 767950  
Ion Ratio Lower Upper  
63 100  
41 74.1 59.6 89.4  
62 66.2 51.4 77.0

Manual Integrations  
APPROVED

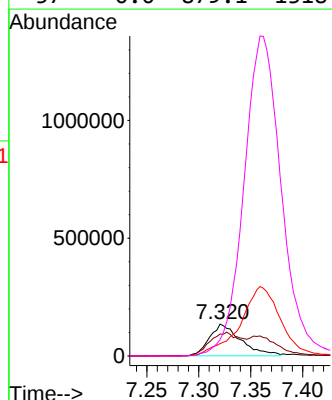
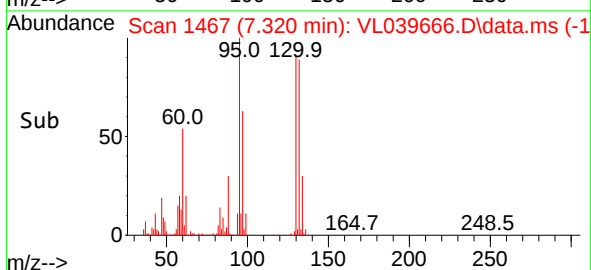
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

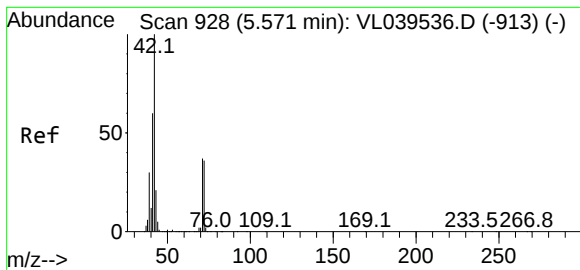


#40  
1,4-Dioxane  
Concen: 8.380 ppbv  
RT: 7.320 min Scan# 1467  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



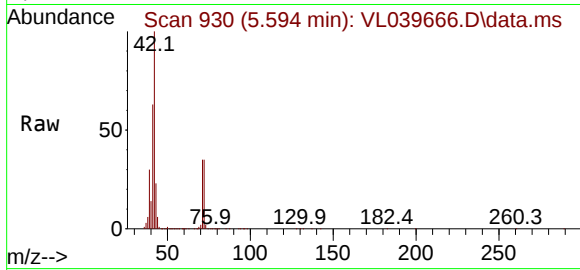
Tgt Ion: 88 Resp: 282682  
Ion Ratio Lower Upper  
88 100  
58 70.4 100.2 150.4#  
43 0.0 205.8 308.6#  
57 0.0 879.1 1318.7#





#41  
Tetrahydrofuran  
Concen: 9.685 ppbv  
RT: 5.594 min Scan# 91  
Delta R.T. 0.023 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

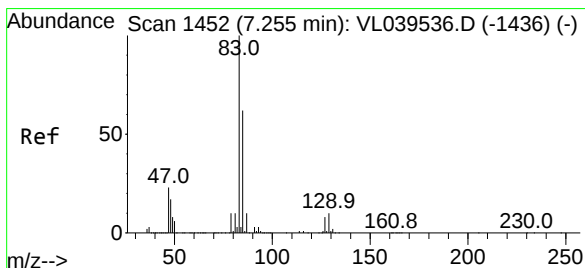
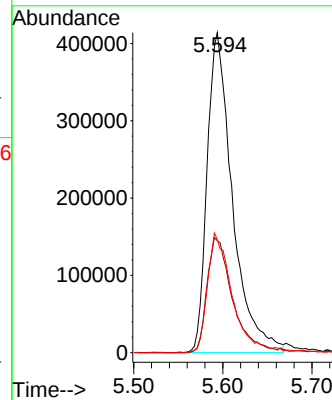
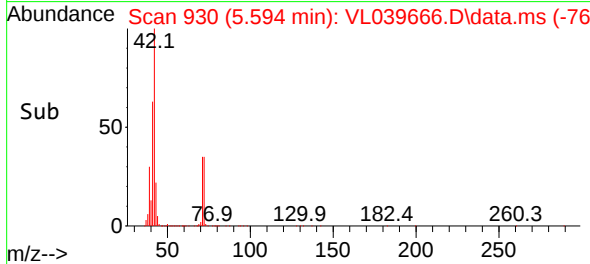
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 42 Resp: 816679  
Ion Ratio Lower Upper  
42 100  
72 37.2 31.8 47.8  
71 37.5 31.8 47.8

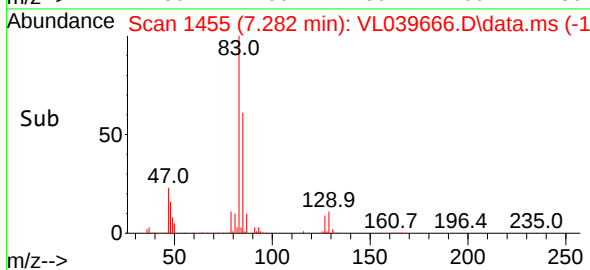
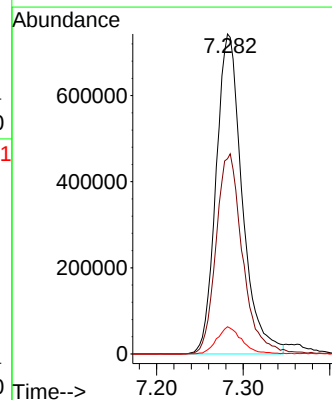
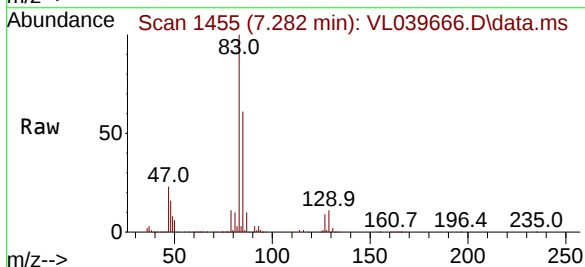
Manual Integrations  
APPROVED

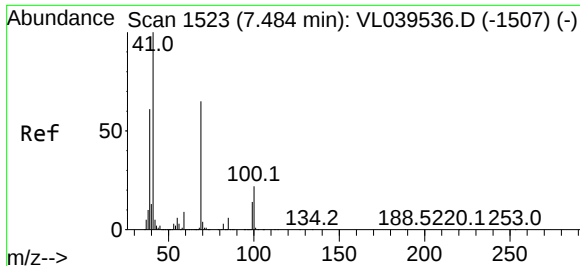
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#42  
Bromodichloromethane  
Concen: 9.616 ppbv  
RT: 7.282 min Scan# 1455  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

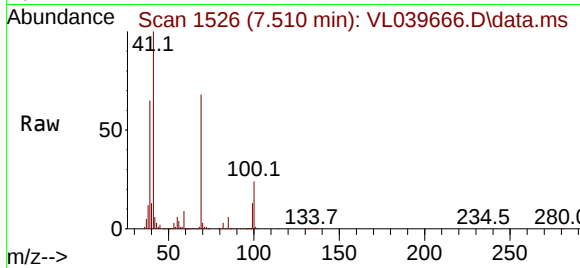
Tgt Ion: 83 Resp: 1557385  
Ion Ratio Lower Upper  
83 100  
85 61.0 50.7 76.1  
127 8.5 6.6 9.8





#43  
Methyl Methacrylate  
Concen: 10.415 ppbv  
RT: 7.510 min Scan# 1526  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

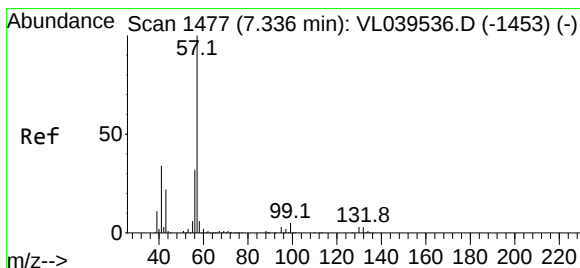
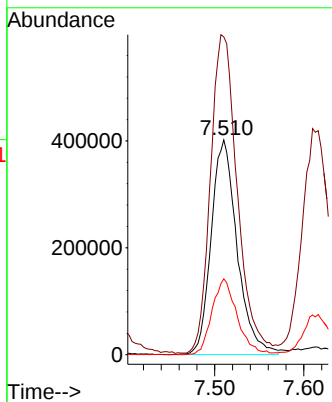
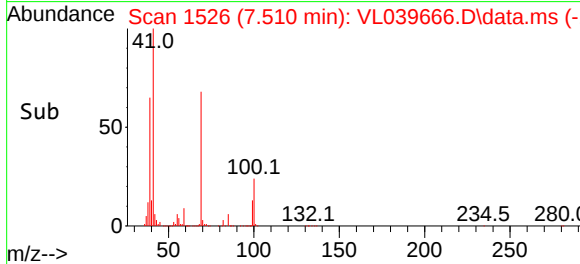
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 69 Resp: 812259  
Ion Ratio Lower Upper  
69 100  
41 155.2 120.8 181.2  
100 34.2 27.8 41.6

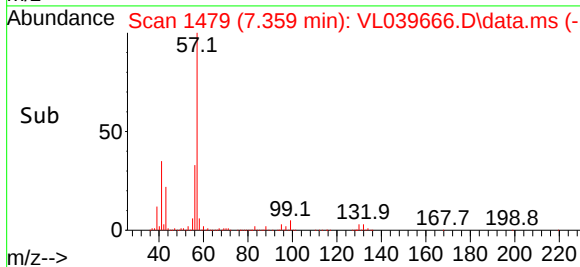
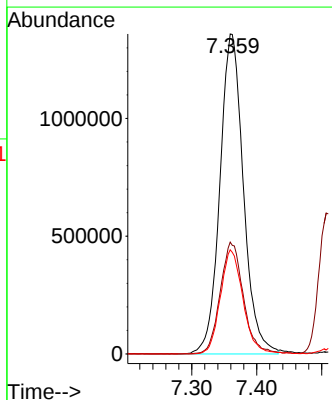
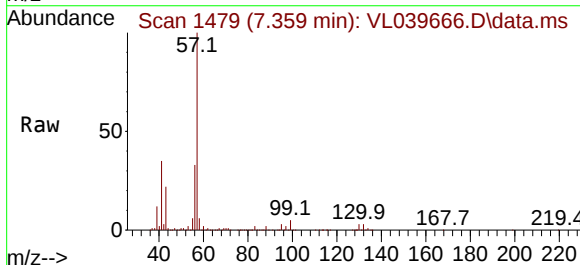
Manual Integrations  
APPROVED

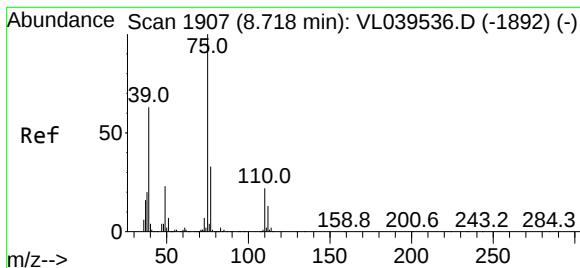
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#44  
2,2,4-Trimethylpentane  
Concen: 9.253 ppbv  
RT: 7.359 min Scan# 1479  
Delta R.T. 0.023 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

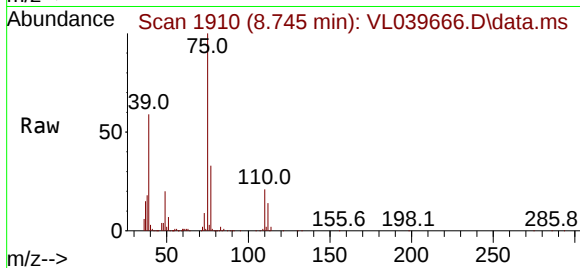
Tgt Ion: 57 Resp: 3412192  
Ion Ratio Lower Upper  
57 100  
41 34.3 27.4 41.2  
56 31.4 24.5 36.7





#45  
t-1,3-Dichloropropene  
Concen: 8.705 ppbv  
RT: 8.745 min Scan# 1907  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

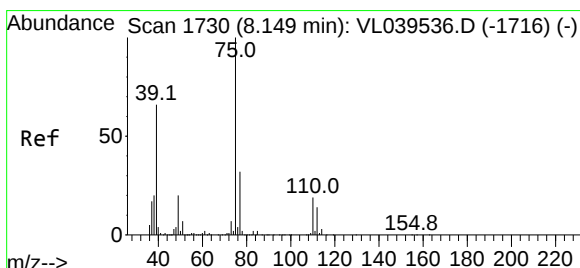
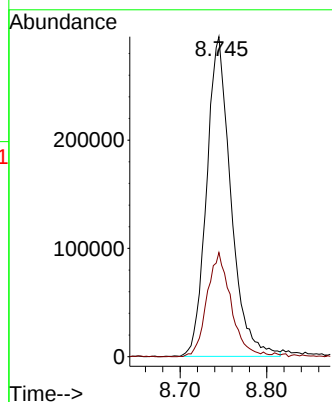
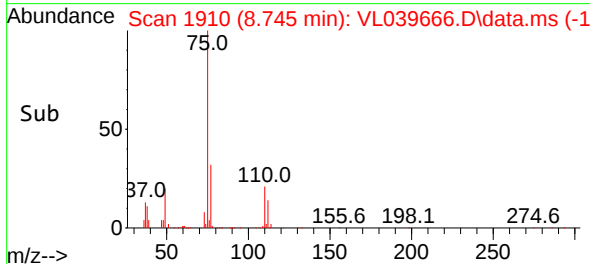
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



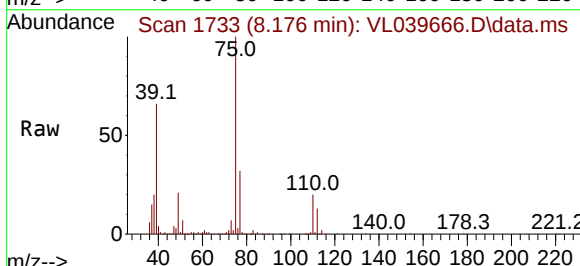
Tgt Ion: 75 Resp: 57366  
Ion Ratio Lower Upper  
75 100  
77 32.6 24.6 36.8

Manual Integrations  
APPROVED

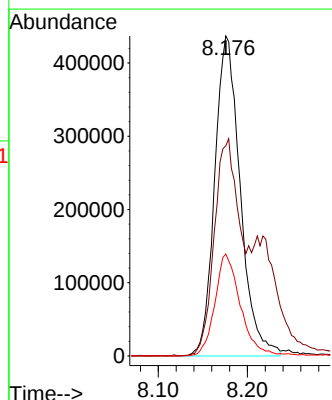
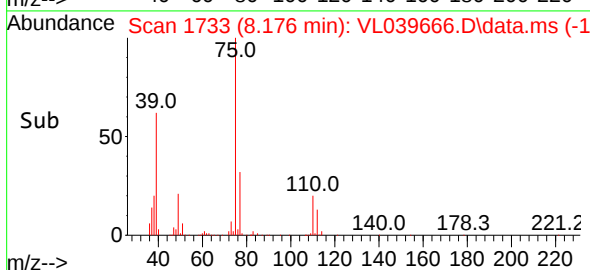
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

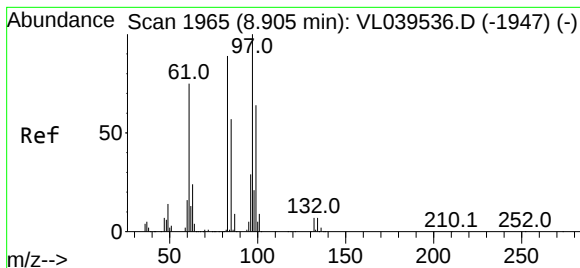


#46  
cis-1,3-Dichloropropene  
Concen: 9.273 ppbv  
RT: 8.176 min Scan# 1733  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



Tgt Ion: 75 Resp: 869985  
Ion Ratio Lower Upper  
75 100  
39 65.5 55.0 82.4  
77 31.9 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 9.156 ppbv

RT: 8.934 min Scan# 1965

Delta R.T. 0.030 min

Lab File: VL039666.D

Acq: 22 Sep 2022 12:19

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 826810

Ion Ratio Lower Upper

97 100

83 86.2 67.4 101.0

85 53.6 45.1 67.7

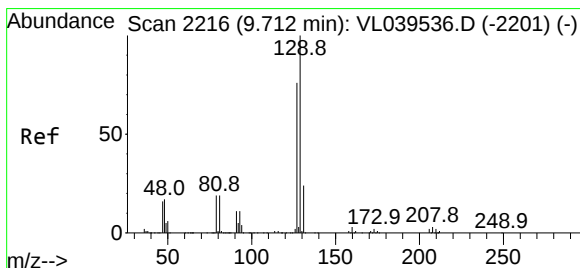
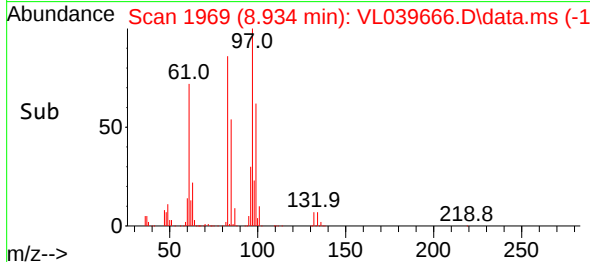
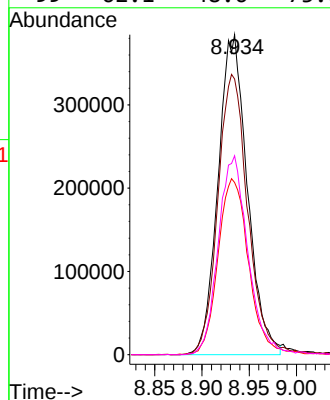
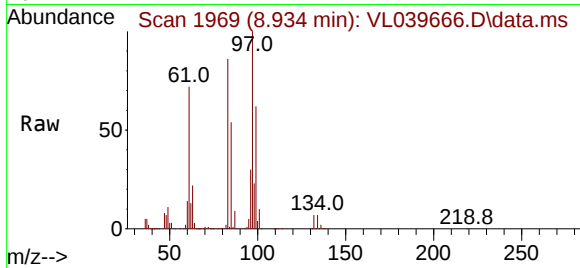
99 62.1 48.6 73.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#48

Dibromochloromethane

Concen: 10.049 ppbv

RT: 9.745 min Scan# 2221

Delta R.T. 0.033 min

Lab File: VL039666.D

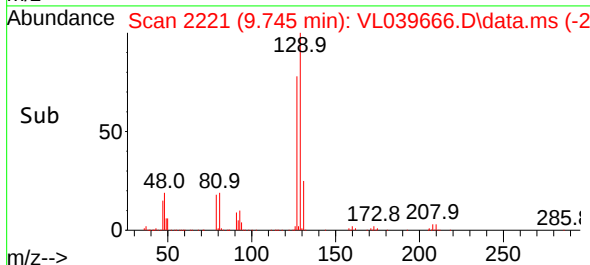
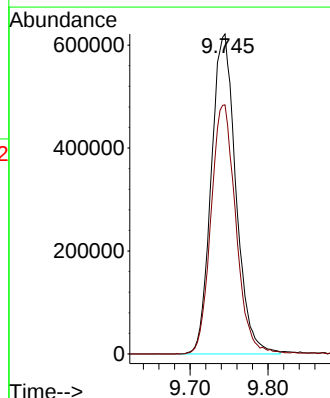
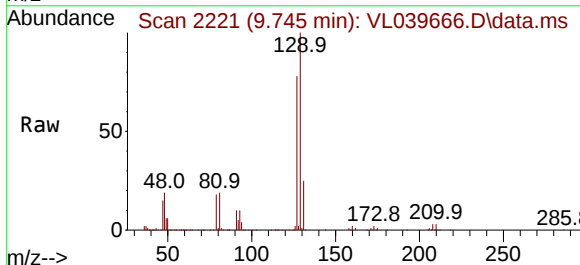
Acq: 22 Sep 2022 12:19

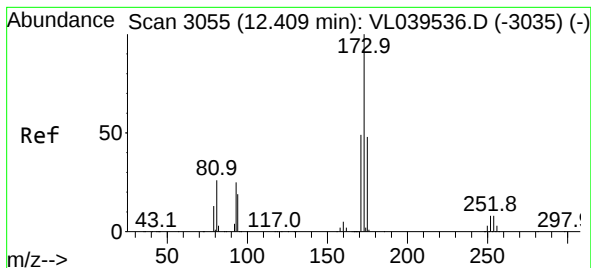
Tgt Ion:129 Resp: 1366496

Ion Ratio Lower Upper

129 100

127 78.9 39.3 117.9





#49

Bromoform

Concen: 10.292 ppbv

RT: 12.436 min Scan# 3055

Delta R.T. 0.026 min

Lab File: VL039666.D

Acq: 22 Sep 2022 12:19

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:173 Resp: 115752

Ion Ratio Lower Upper

173 100

175 49.3 40.3 60.5

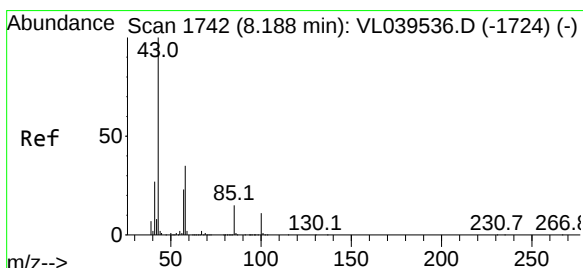
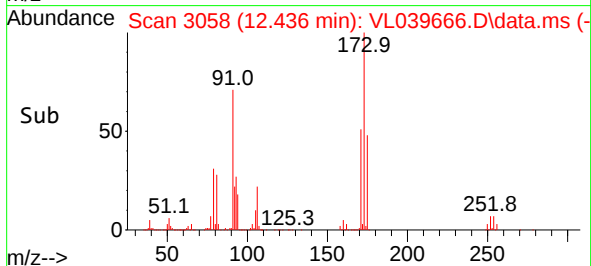
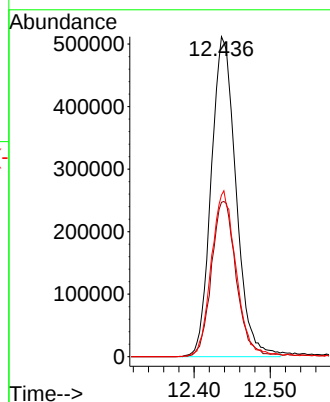
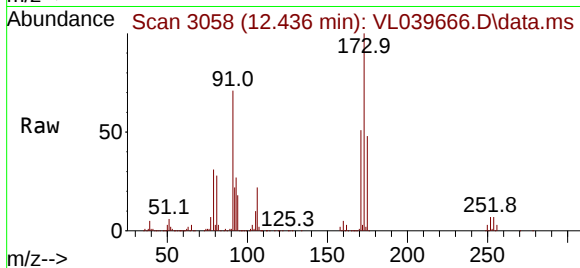
171 52.7 42.9 64.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#50

4-Methyl-2-Pentanone

Concen: 9.956 ppbv

RT: 8.217 min Scan# 1746

Delta R.T. 0.030 min

Lab File: VL039666.D

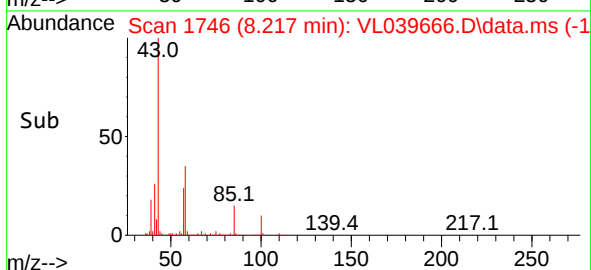
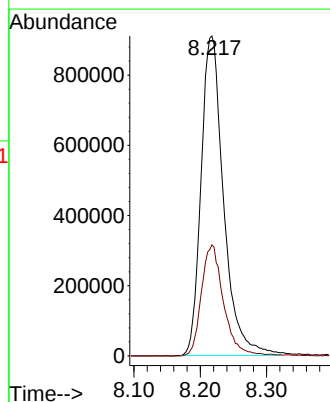
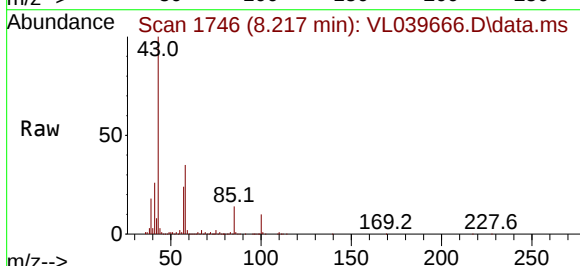
Acq: 22 Sep 2022 12:19

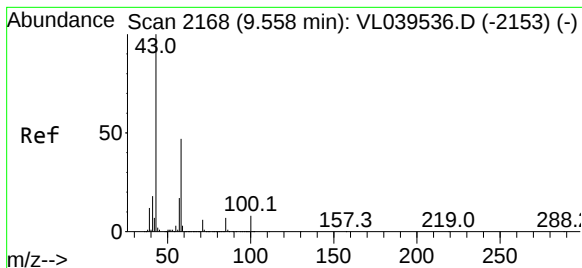
Tgt Ion: 43 Resp: 2150292

Ion Ratio Lower Upper

43 100

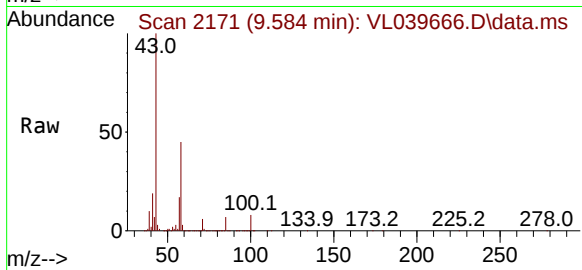
58 34.5 28.8 43.2





#51  
2-Hexanone  
Concen: 9.980 ppbv  
RT: 9.584 min Scan# 2168  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

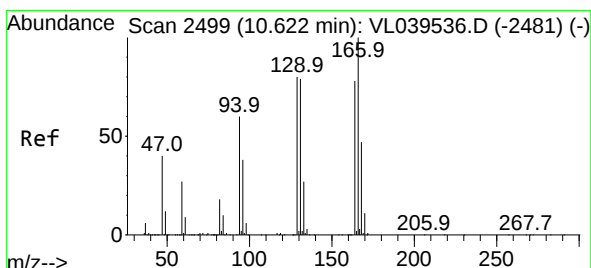
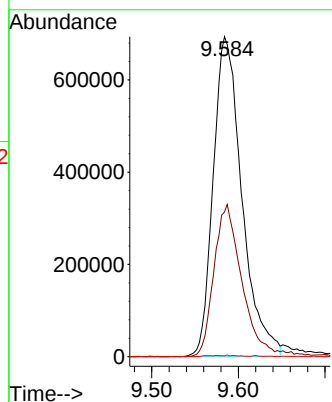
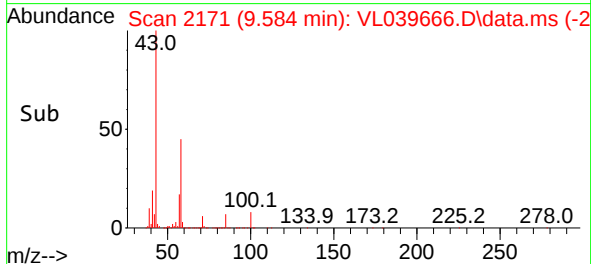
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



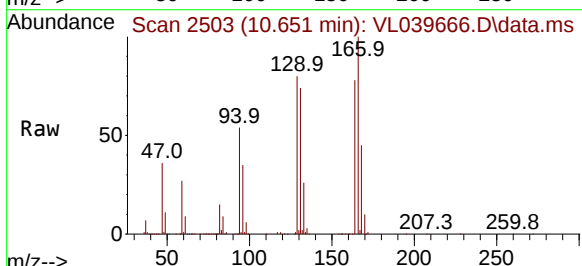
Tgt Ion: 43 Resp: 1595634  
Ion Ratio Lower Upper  
43 100  
58 47.8 38.4 57.6  
98 0.6 0.3 0.5

Manual Integrations  
APPROVED

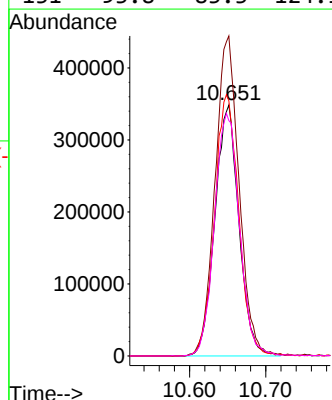
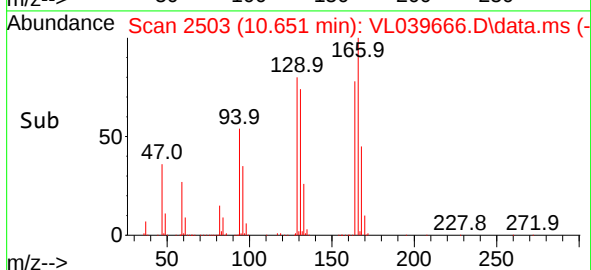
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

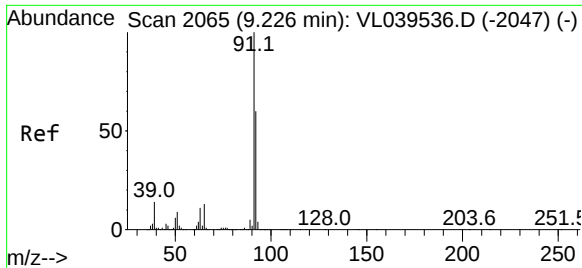


#52  
Tetrachloroethene  
Concen: 9.341 ppbv  
RT: 10.651 min Scan# 2503  
Delta R.T. 0.030 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



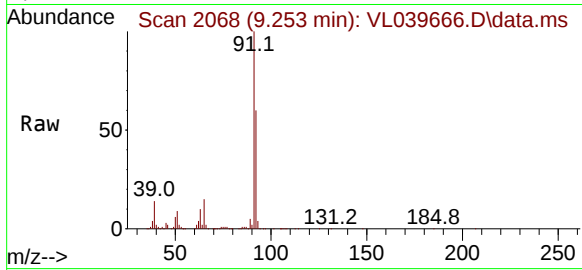
Tgt Ion:164 Resp: 762394  
Ion Ratio Lower Upper  
164 100  
166 127.5 102.2 153.2  
129 101.5 85.8 128.8  
131 93.8 83.3 124.9





#53  
Toluene  
Concen: 9.824 ppbv  
RT: 9.253 min Scan# 2065  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

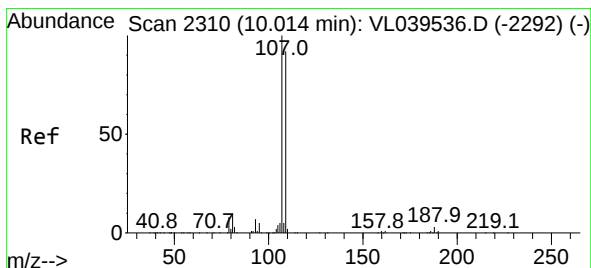
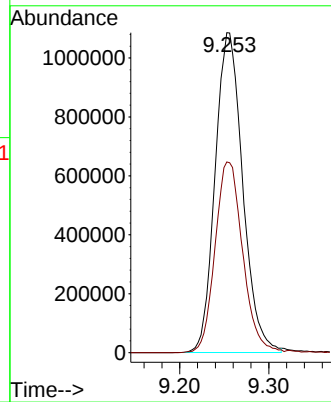
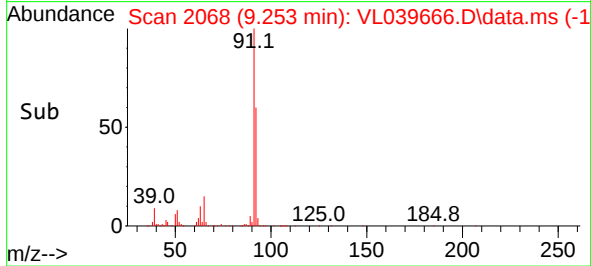
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 91 Resp: 233753  
Ion Ratio Lower Upper  
91 100  
92 60.2 48.2 72.2

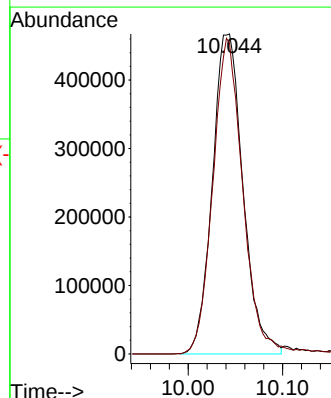
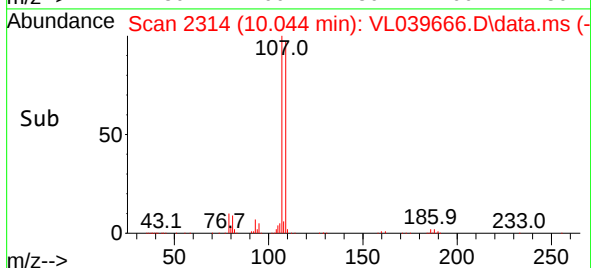
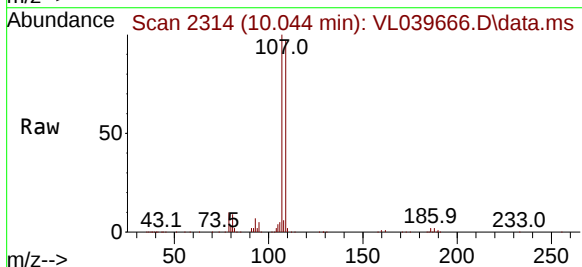
Manual Integrations  
APPROVED

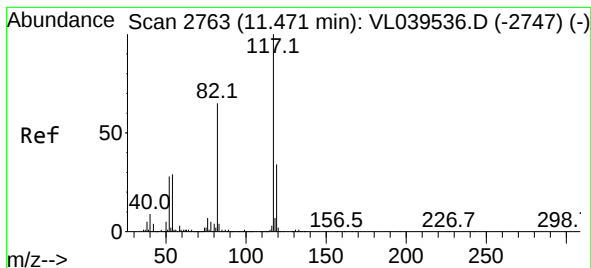
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#54  
1,2-Dibromoethane  
Concen: 10.878 ppbv  
RT: 10.044 min Scan# 2314  
Delta R.T. 0.030 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

Tgt Ion:107 Resp: 1050857  
Ion Ratio Lower Upper  
107 100  
109 97.1 74.8 112.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 11.500 min Scan# 21

Delta R.T. 0.030 min

Lab File: VL039666.D

Acq: 22 Sep 2022 12:19

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:117 Resp: 276245

Ion Ratio Lower Upper

117 100

82 62.0 50.8 76.2

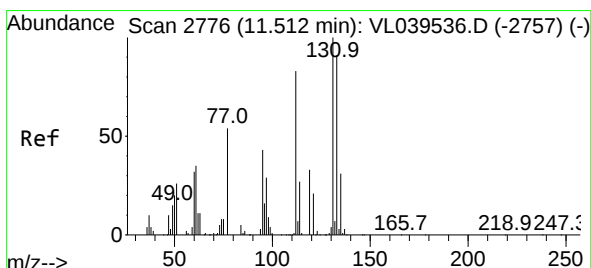
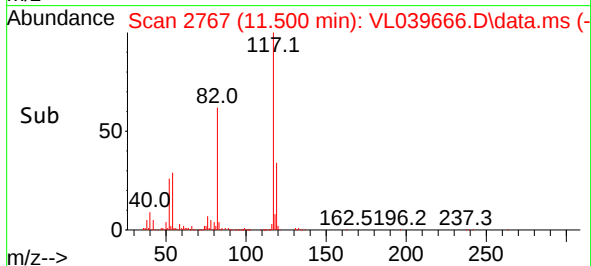
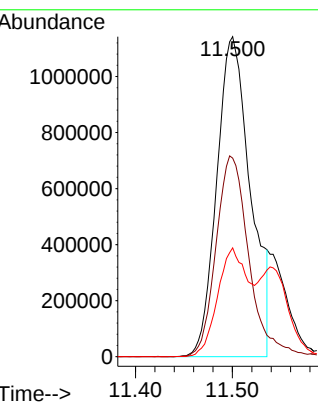
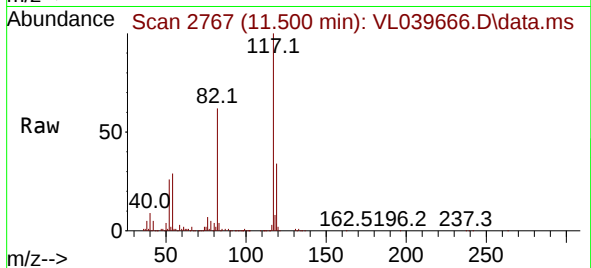
119 33.0 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#56

1,1,1,2-Tetrachloroethane

Concen: 9.637 ppbv

RT: 11.542 min Scan# 2780

Delta R.T. 0.030 min

Lab File: VL039666.D

Acq: 22 Sep 2022 12:19

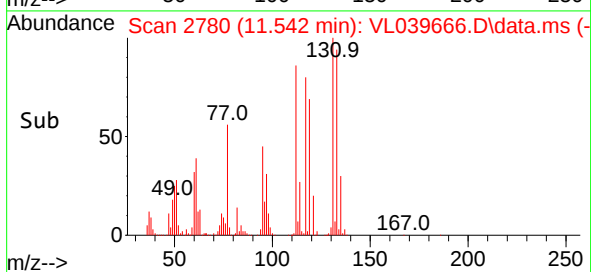
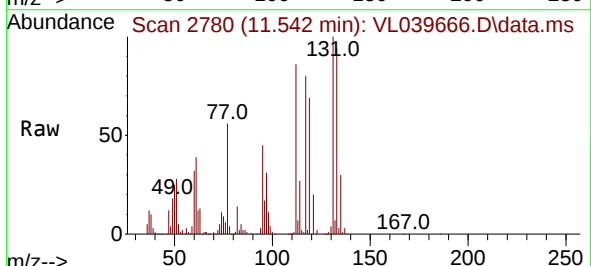
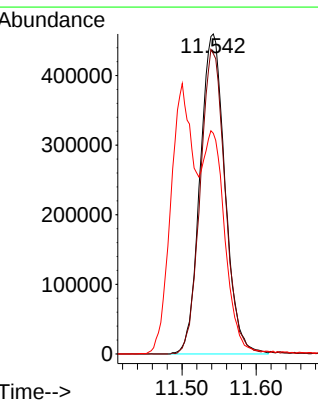
Tgt Ion:131 Resp: 1075842

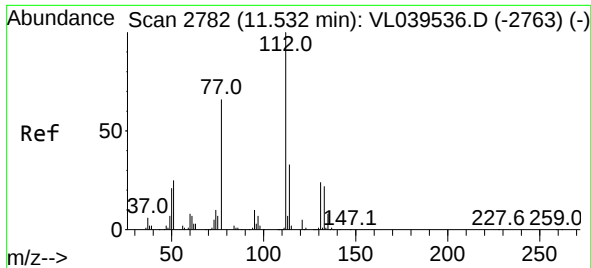
Ion Ratio Lower Upper

131 100

133 95.0 76.8 115.2

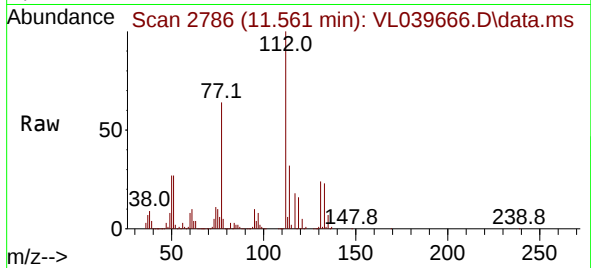
119 63.1 46.2 69.4





#57  
Chlorobenzene  
Concen: 8.732 ppbv  
RT: 11.561 min Scan# 21  
Delta R.T. 0.030 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

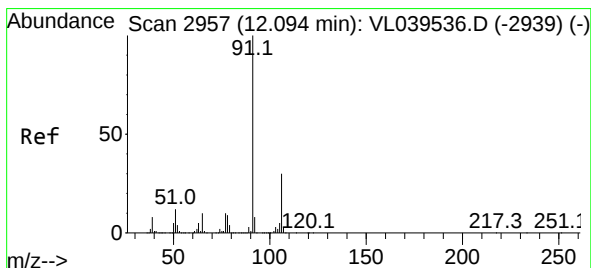
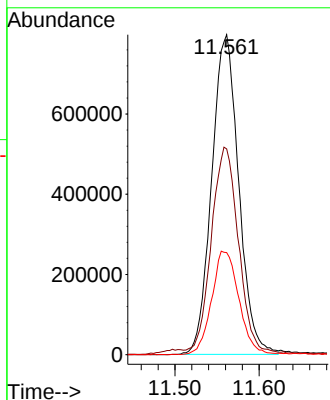
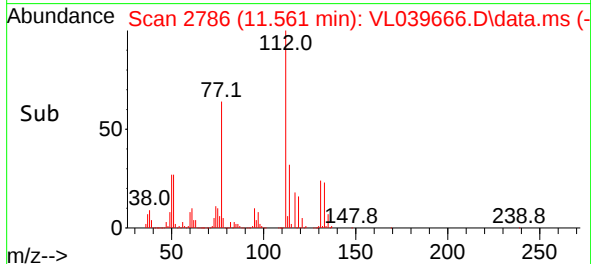
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 112 Resp: 177372  
Ion Ratio Lower Upper  
112 100  
77 63.5 51.0 76.4  
114 31.8 27.5 33.6

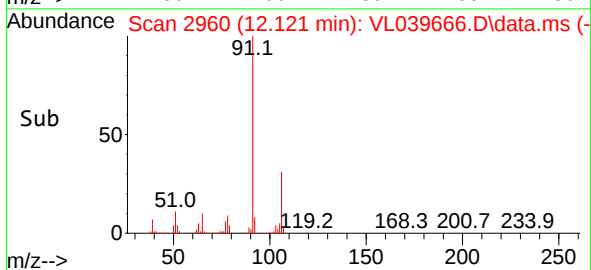
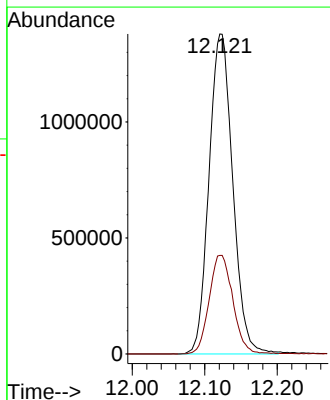
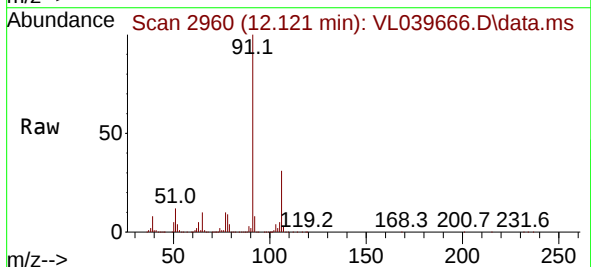
Manual Integrations  
APPROVED

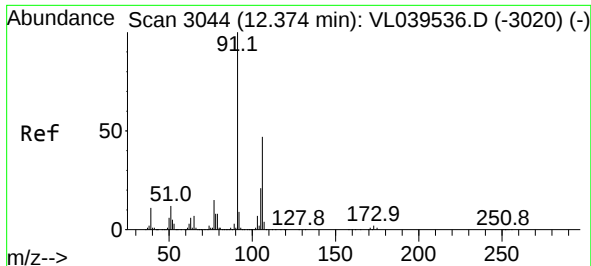
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#58  
Ethyl Benzene  
Concen: 9.842 ppbv  
RT: 12.121 min Scan# 2960  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

Tgt Ion: 91 Resp: 3134665  
Ion Ratio Lower Upper  
91 100  
106 30.8 25.4 38.0





#59

m/p-Xylene

Concen: 18.752 ppbv m

RT: 12.404 min Scan# 3048

Delta R.T. 0.030 min

Lab File: VL039666.D

Acq: 22 Sep 2022 12:19

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 531537

Ion Ratio Lower Upper

91 100

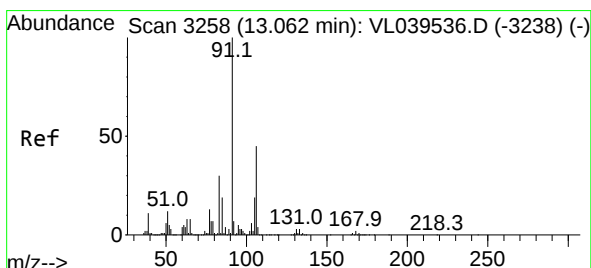
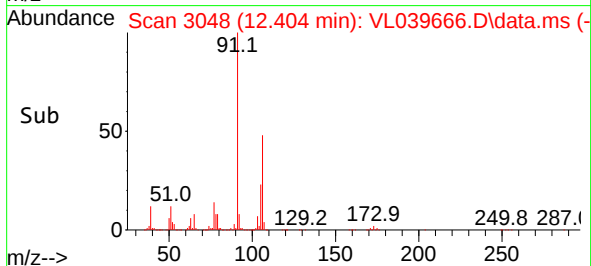
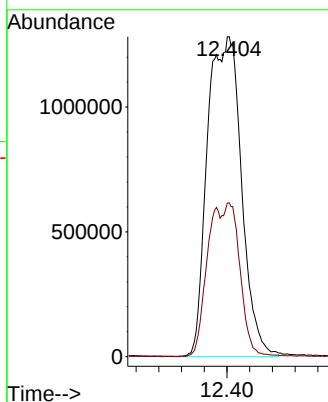
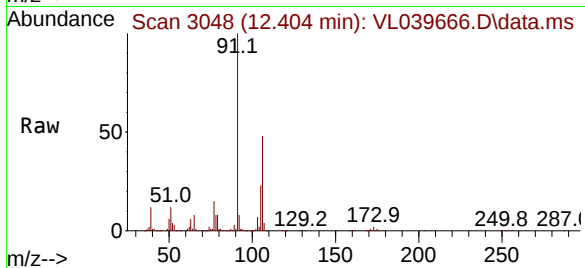
106 45.5 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#60

o-Xylene

Concen: 9.438 ppbv

RT: 13.092 min Scan# 3262

Delta R.T. 0.030 min

Lab File: VL039666.D

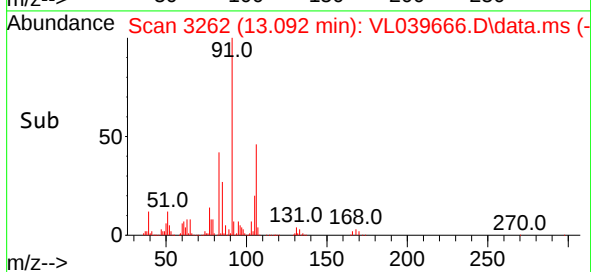
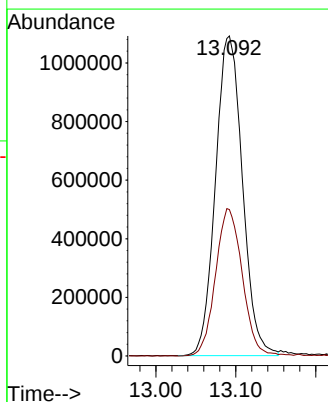
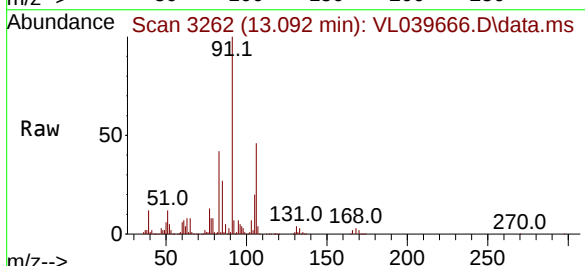
Acq: 22 Sep 2022 12:19

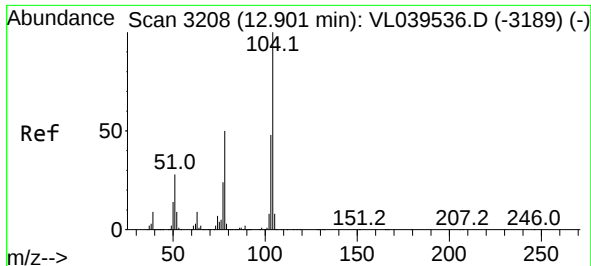
Tgt Ion: 91 Resp: 2554664

Ion Ratio Lower Upper

91 100

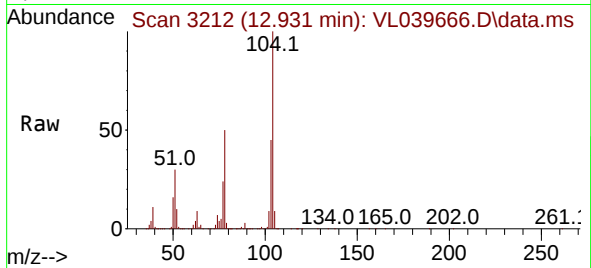
106 45.9 22.4 67.3





#61  
Styrene  
Concen: 10.122 ppbv  
RT: 12.931 min Scan# 31  
Delta R.T. 0.030 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

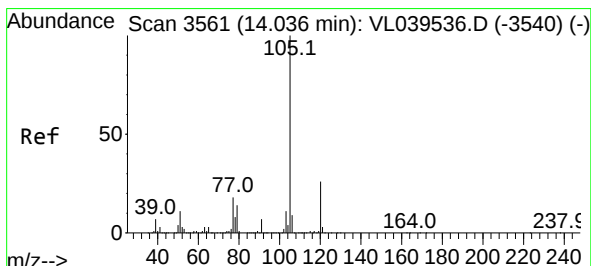
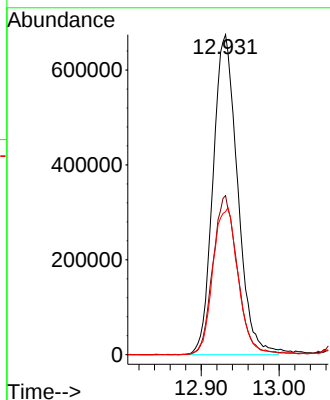
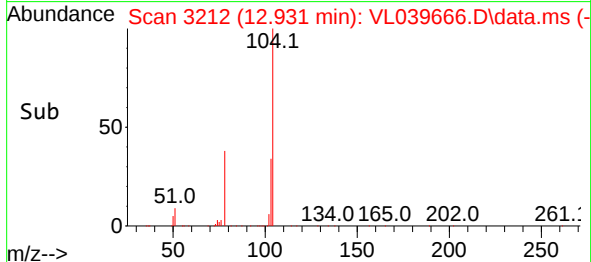
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



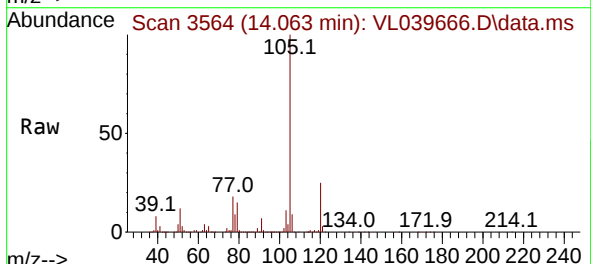
Tgt Ion:104 Resp: 147553  
Ion Ratio Lower Upper  
104 100  
78 50.1 41.2 61.8  
103 48.0 38.7 58.1

Manual Integrations  
APPROVED

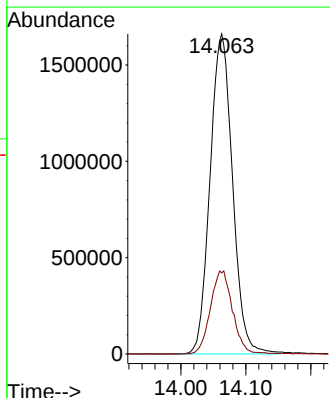
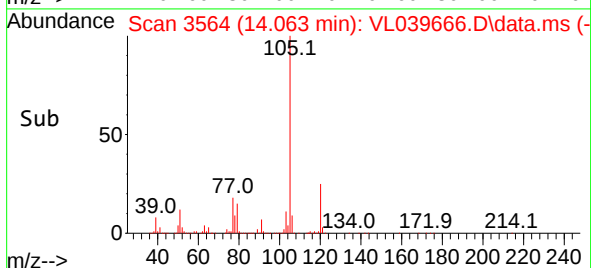
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

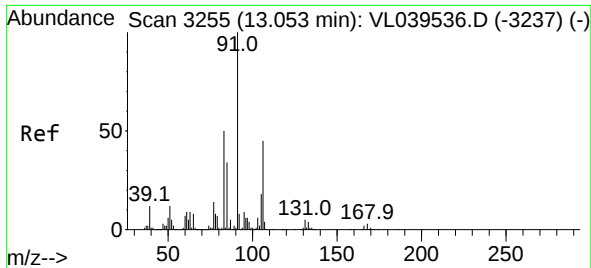


#62  
Isopropylbenzene  
Concen: 9.790 ppbv  
RT: 14.063 min Scan# 3564  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



Tgt Ion:105 Resp: 3987697  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.7 31.1





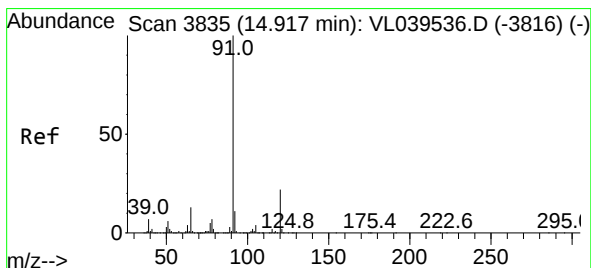
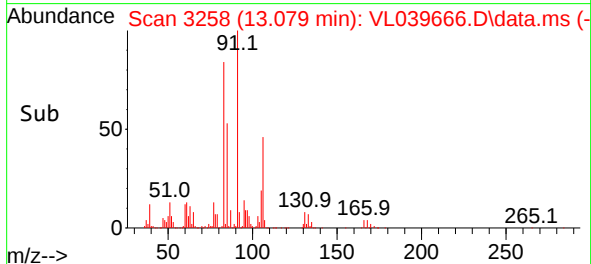
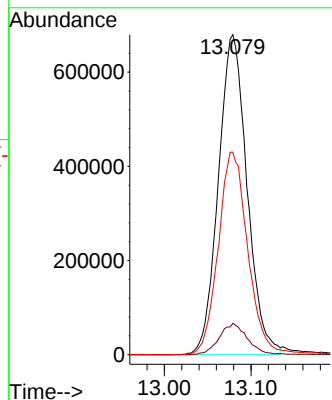
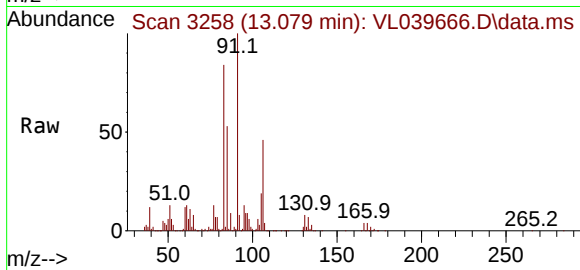
#63  
1,1,2,2-Tetrachloroethane  
Concen: 14.457 ppbv  
RT: 13.079 min Scan# 31  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 83 Resp: 1560978  
Ion Ratio Lower Upper  
83 100  
131 9.7 5.3 15.8  
85 65.9 33.1 99.5

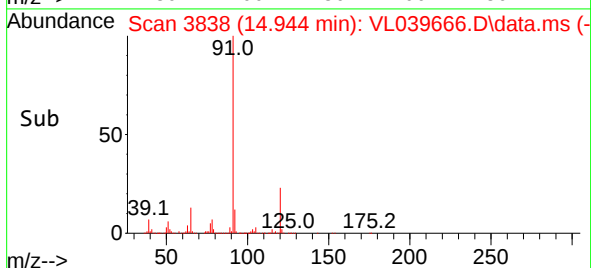
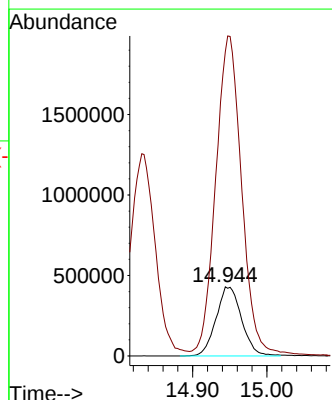
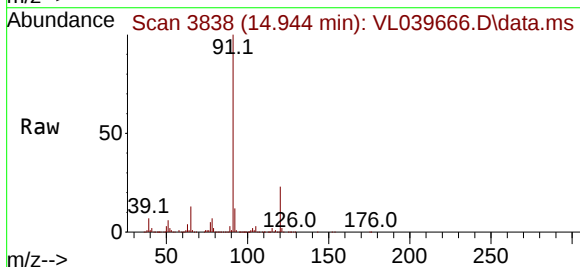
Manual Integrations  
APPROVED

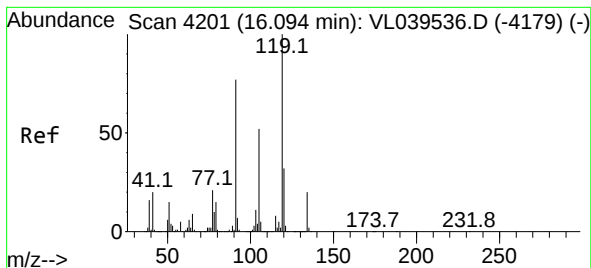
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022



#64  
n-propylbenzene  
Concen: 9.843 ppbv  
RT: 14.944 min Scan# 3838  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

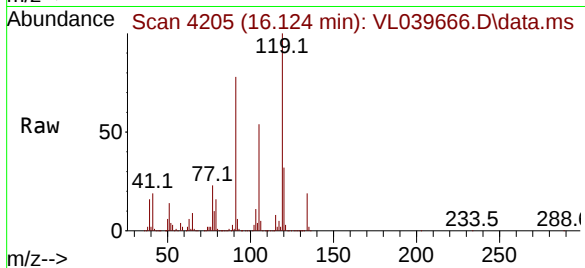
Tgt Ion:120 Resp: 1026638  
Ion Ratio Lower Upper  
120 100  
91 472.2 367.2 550.8





#65  
tert-Butylbenzene  
Concen: 9.848 ppbv  
RT: 16.124 min Scan# 4179  
Delta R.T. 0.030 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

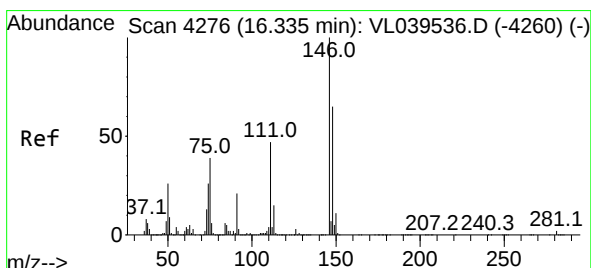
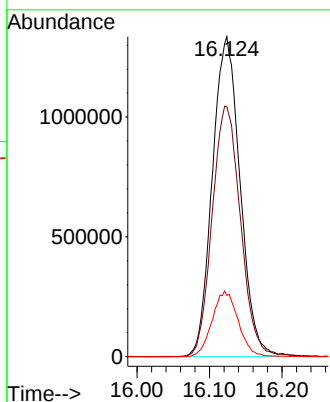
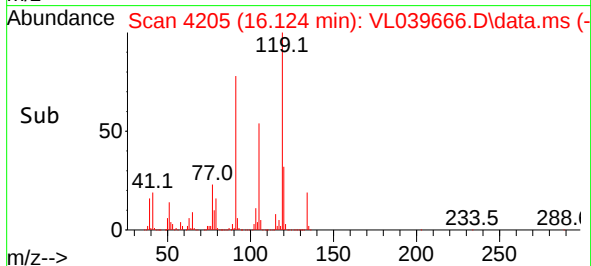
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



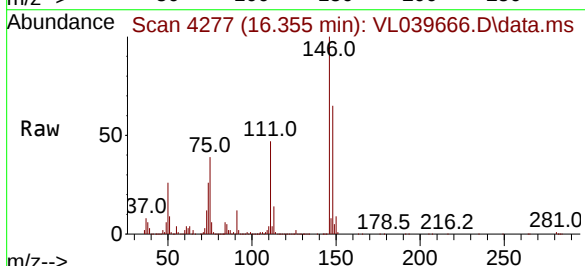
Tgt Ion:119 Resp: 3543839  
Ion Ratio Lower Upper  
119 100  
91 80.1 63.4 95.2  
134 19.3 15.9 23.9

Manual Integrations  
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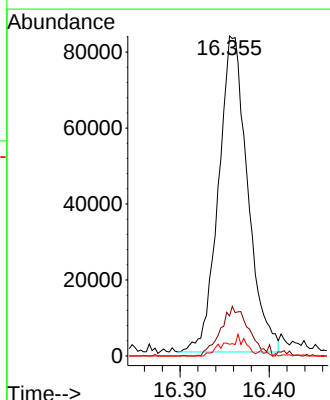
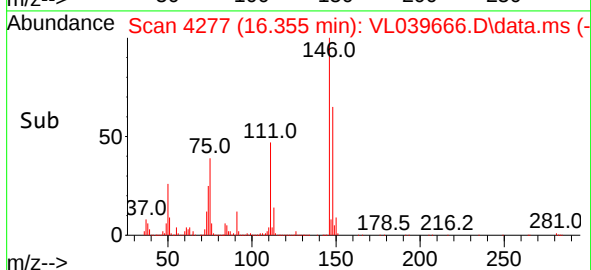
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

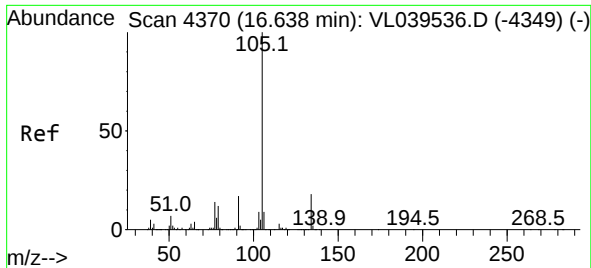


#66  
Benzyl Chloride  
Concen: 6.615 ppbv  
RT: 16.355 min Scan# 4277  
Delta R.T. 0.020 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



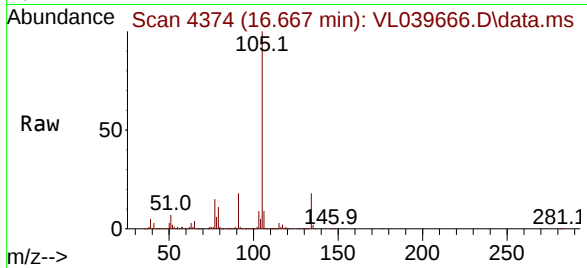
Tgt Ion: 91 Resp: 189527  
Ion Ratio Lower Upper  
91 100  
126 15.1 13.1 19.7  
128 5.4 4.4 6.6





#67  
 sec-Butylbenzene  
 Concen: 9.905 ppbv  
 RT: 16.667 min Scan# 41  
 Delta R.T. 0.030 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19

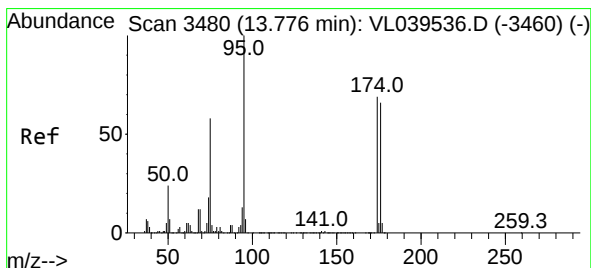
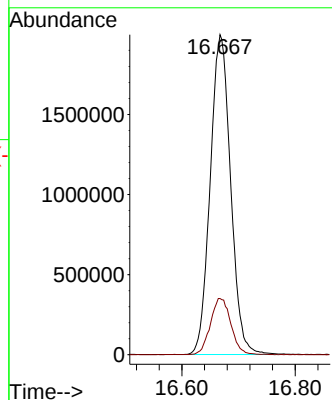
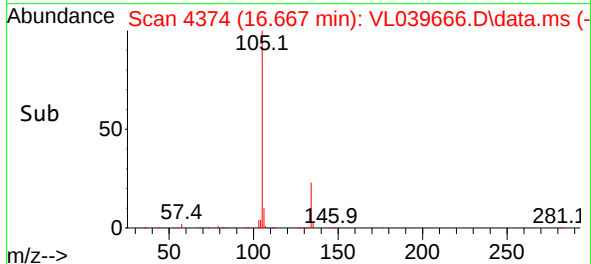
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



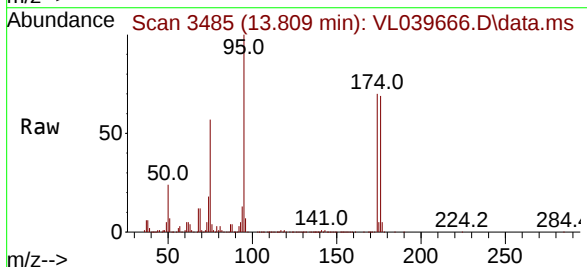
Tgt Ion:105 Resp: 499948  
 Ion Ratio Lower Upper  
 105 100  
 134 17.7 14.8 22.2

Manual Integrations  
 APPROVED

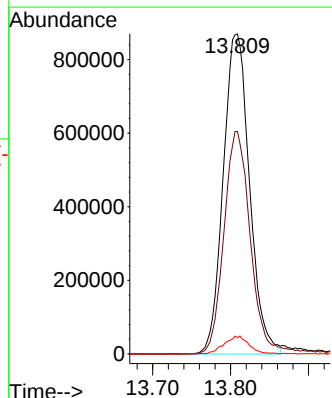
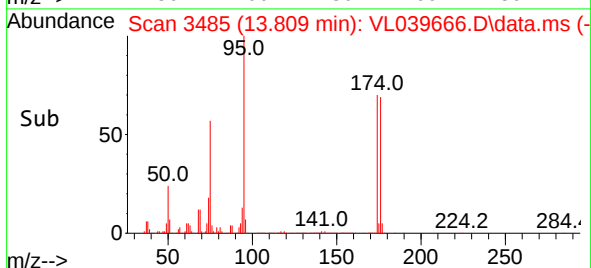
Reviewed By :Krupa Patel 09/28/2022  
 Supervised By :Mahesh Dadoda 09/28/2022

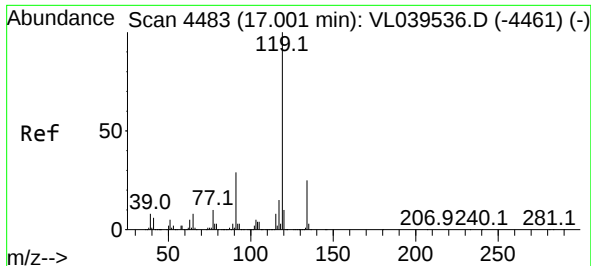


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.879 ppbv  
 RT: 13.809 min Scan# 3485  
 Delta R.T. 0.033 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19



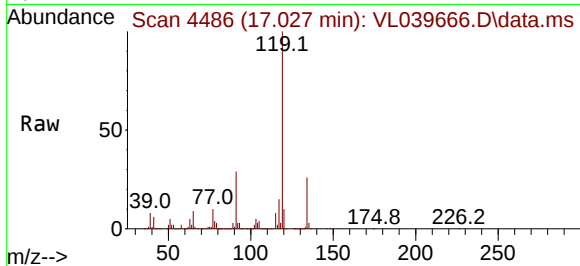
Tgt Ion: 95 Resp: 2037213  
 Ion Ratio Lower Upper  
 95 100  
 174 71.1 55.9 83.9  
 175 5.4 4.2 6.4





#69  
 p-Isopropyltoluene  
 Concen: 10.160 ppbv  
 RT: 17.027 min Scan# 4486  
 Delta R.T. 0.026 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19

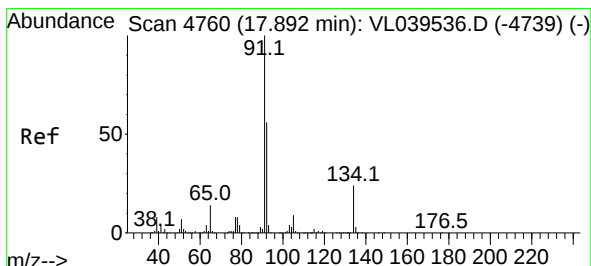
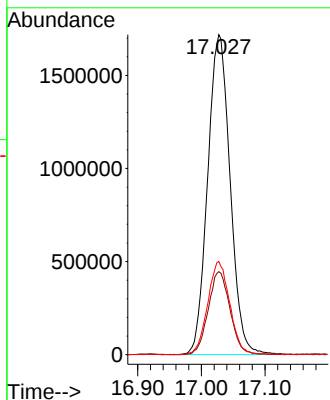
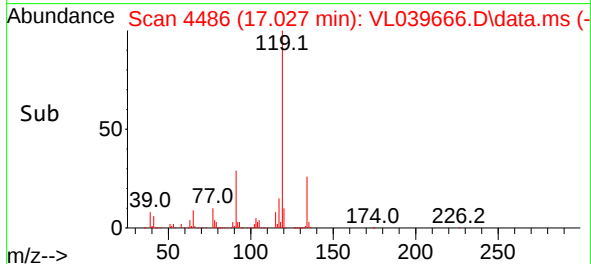
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



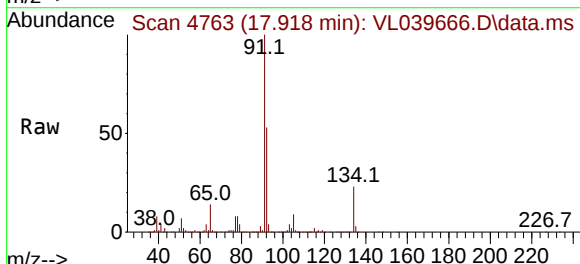
Tgt Ion: 119 Resp: 4213719  
 Ion Ratio Lower Upper  
 119 100  
 134 25.4 20.3 30.5  
 91 28.6 22.9 34.3

Manual Integrations  
 APPROVED

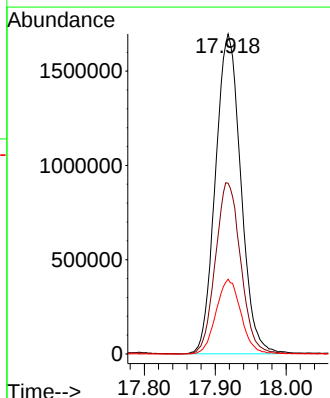
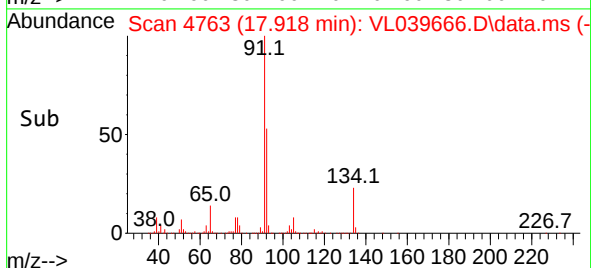
Reviewed By :Krupa Patel 09/28/2022  
 Supervised By :Mahesh Dadoda 09/28/2022

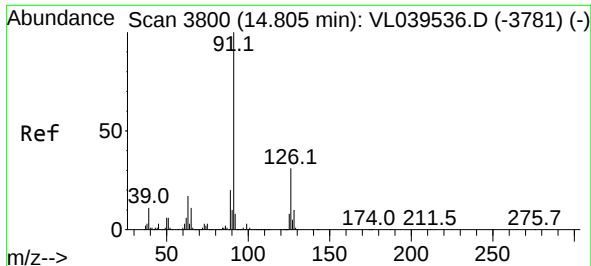


#70  
 n-Butylbenzene  
 Concen: 10.372 ppbv  
 RT: 17.918 min Scan# 4763  
 Delta R.T. 0.026 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19



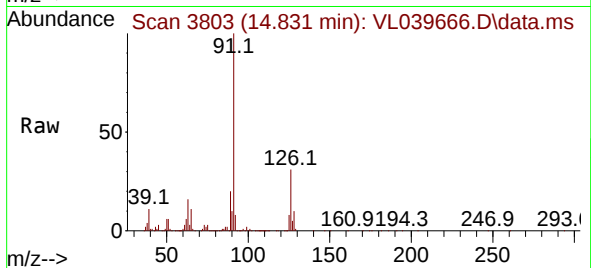
Tgt Ion: 91 Resp: 4217083  
 Ion Ratio Lower Upper  
 91 100  
 92 53.6 43.4 65.2  
 134 23.0 18.9 28.3





#71  
2-Chlorotoluene  
Concen: 9.970 ppbv  
RT: 14.831 min Scan# 3803  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

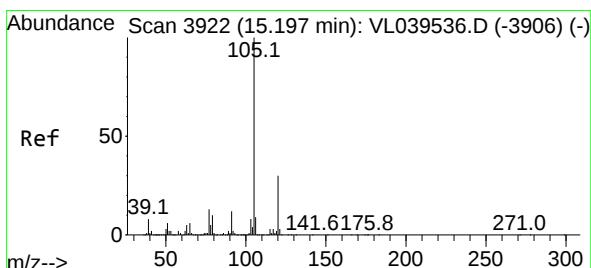
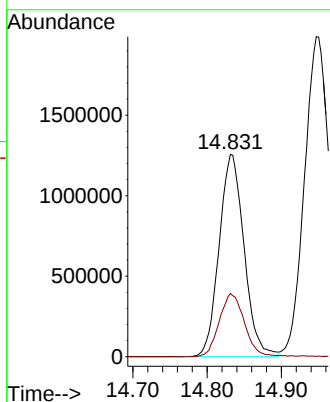
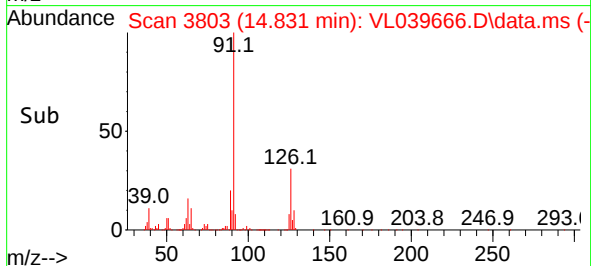
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



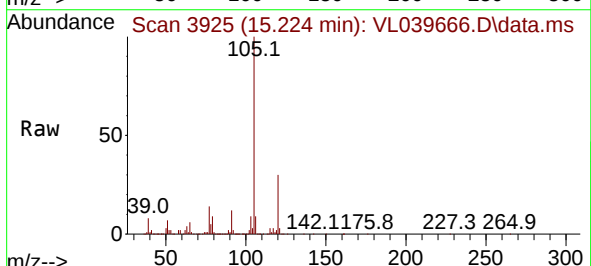
Tgt Ion: 91 Resp: 2931954  
Ion Ratio Lower Upper  
91 100  
126 32.0 13.0 51.8

Manual Integrations  
APPROVED

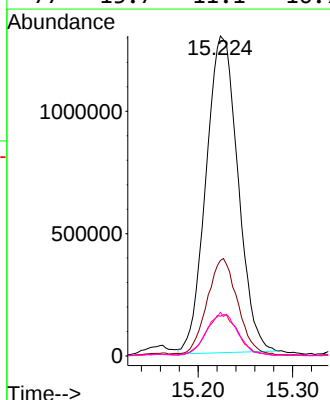
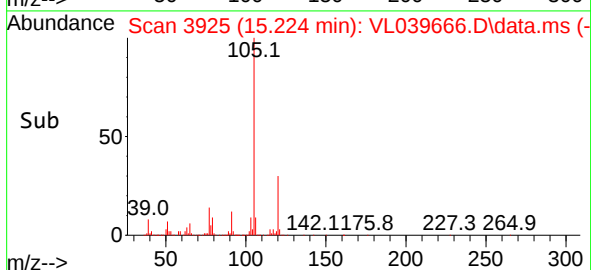
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

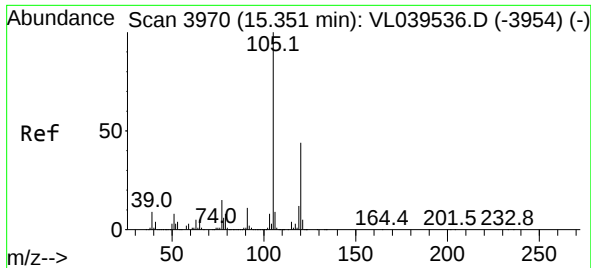


#72  
4-Ethyltoluene  
Concen: 9.851 ppbv  
RT: 15.224 min Scan# 3925  
Delta R.T. 0.026 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



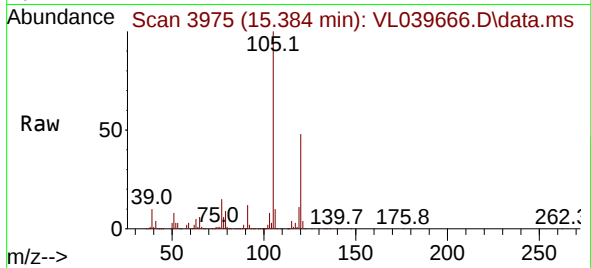
Tgt Ion:105 Resp: 3044238  
Ion Ratio Lower Upper  
105 100  
120 31.1 24.2 36.2  
91 13.9 10.2 15.4  
77 13.7 11.1 16.7





#73  
 1,3,5-Trimethylbenzene  
 Concen: 9.753 ppbv  
 RT: 15.384 min Scan# 3970  
 Delta R.T. 0.033 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19

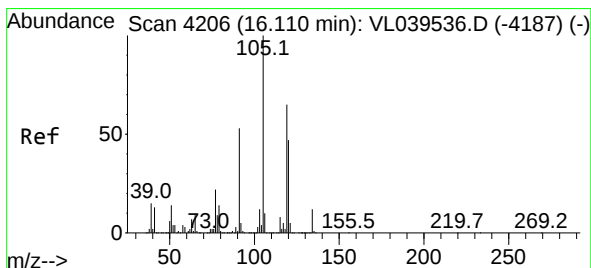
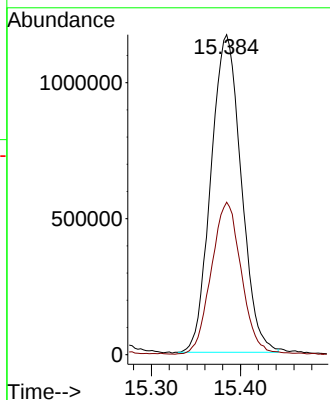
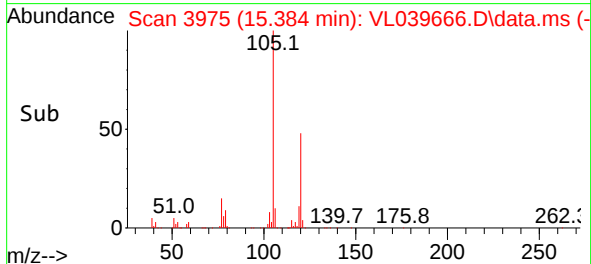
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



Tgt Ion:105 Resp: 275774  
 Ion Ratio Lower Upper  
 105 100  
 120 47.7 38.2 57.4

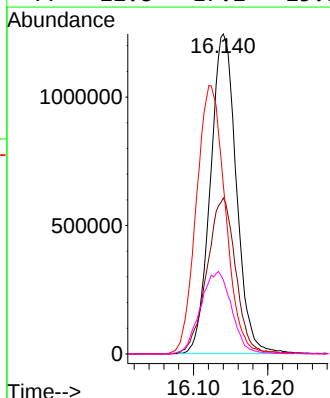
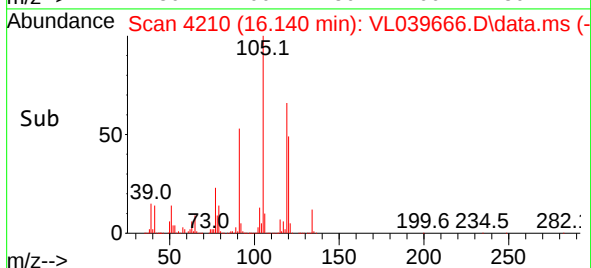
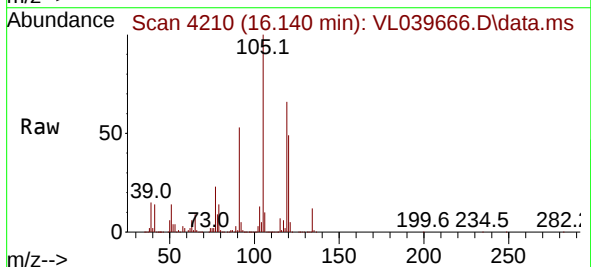
Manual Integrations  
 APPROVED

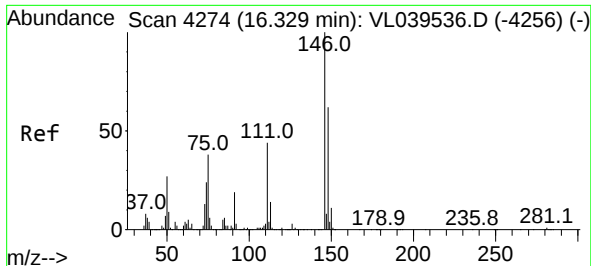
Reviewed By :Krupa Patel 09/28/2022  
 Supervised By :Mahesh Dadoda 09/28/2022



#74  
 1,2,4-Trimethylbenzene  
 Concen: 9.506 ppbv  
 RT: 16.140 min Scan# 4210  
 Delta R.T. 0.030 min  
 Lab File: VL039666.D  
 Acq: 22 Sep 2022 12:19

Tgt Ion:105 Resp: 3012913  
 Ion Ratio Lower Upper  
 105 100  
 120 48.5 39.5 59.3  
 91 52.4 39.2 58.8  
 77 22.8 17.2 25.8





#75

1,3-Dichlorobenzene

Concen: 9.468 ppbv

RT: 16.365 min Scan# 41

Delta R.T. 0.036 min

Lab File: VL039666.D

Acq: 22 Sep 2022 12:19

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 179058

Ion Ratio Lower Upper

146 100

111 45.7 22.9 68.7

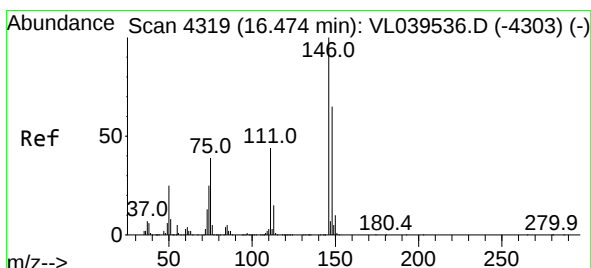
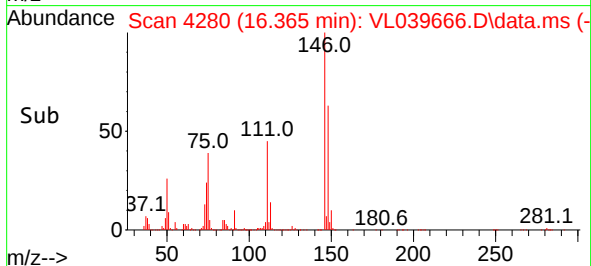
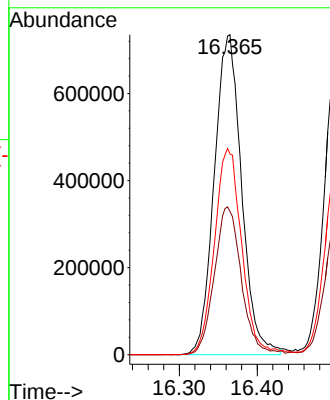
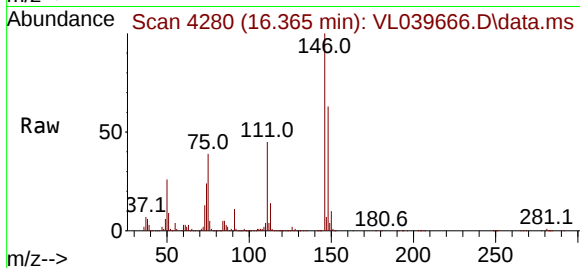
148 64.5 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#76

1,4-Dichlorobenzene

Concen: 9.105 ppbv

RT: 16.503 min Scan# 4323

Delta R.T. 0.030 min

Lab File: VL039666.D

Acq: 22 Sep 2022 12:19

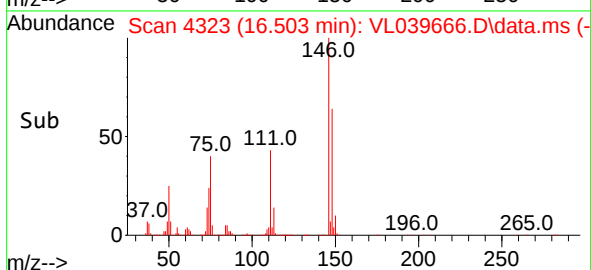
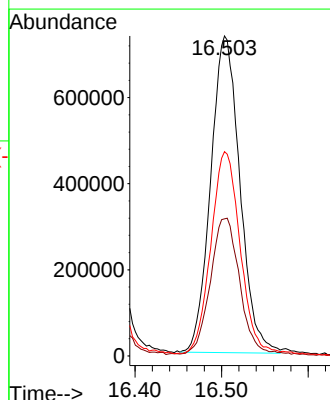
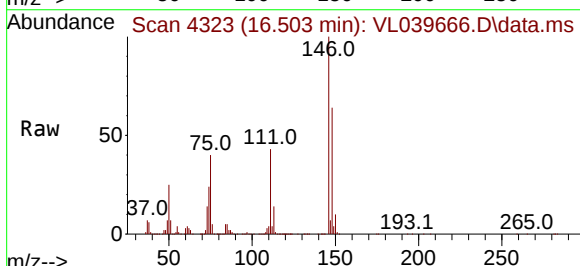
Tgt Ion:146 Resp: 1722657

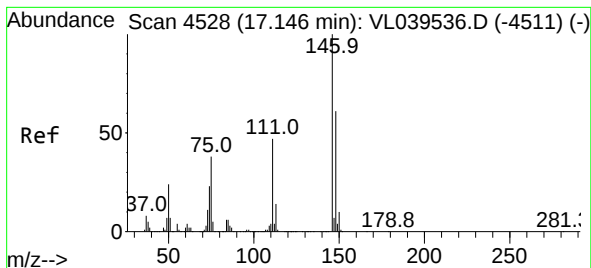
Ion Ratio Lower Upper

146 100

111 45.1 22.9 68.8

148 66.1 33.6 100.8





#77

1,2-Dichlorobenzene

Concen: 9.525 ppbv

RT: 17.175 min Scan# 4532

Delta R.T. 0.030 min

Lab File: VL039666.D

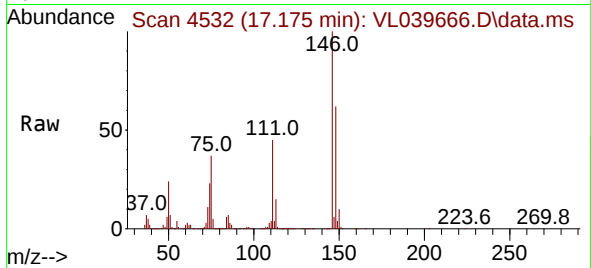
Acq: 22 Sep 2022 12:19

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:146 Resp: 1756679

Ion Ratio Lower Upper

146 100

111 46.8 23.8 71.5

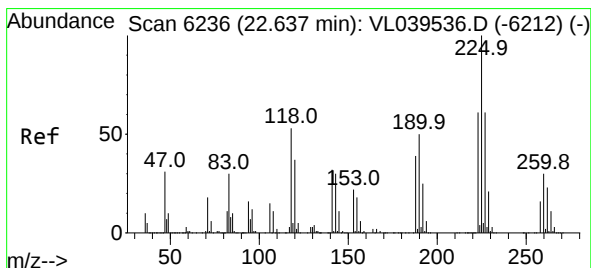
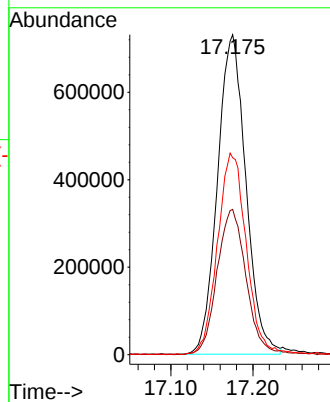
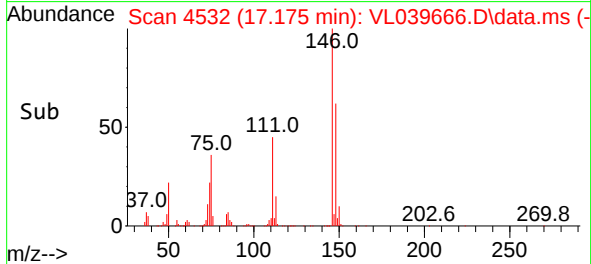
148 64.3 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#78

Hexachloro-1,3-Butadiene

Concen: 9.285 ppbv

RT: 22.667 min Scan# 6240

Delta R.T. 0.030 min

Lab File: VL039666.D

Acq: 22 Sep 2022 12:19

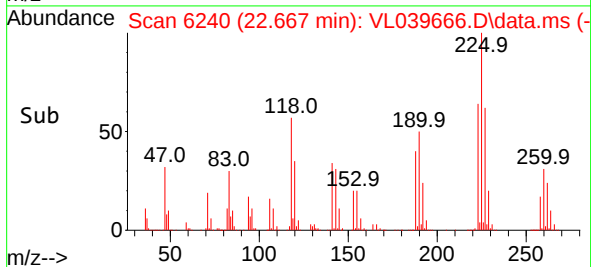
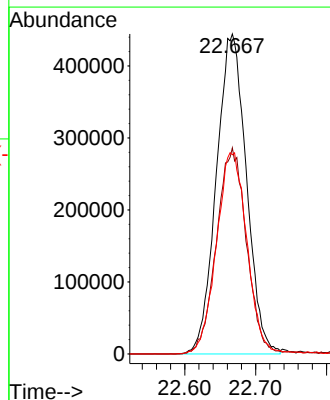
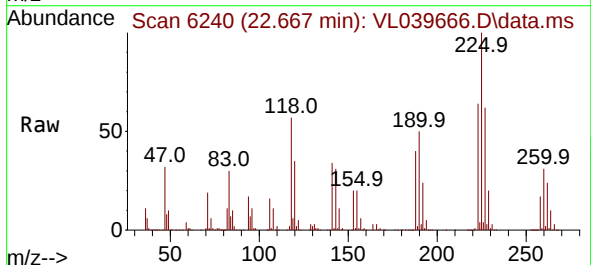
Tgt Ion:225 Resp: 1308438

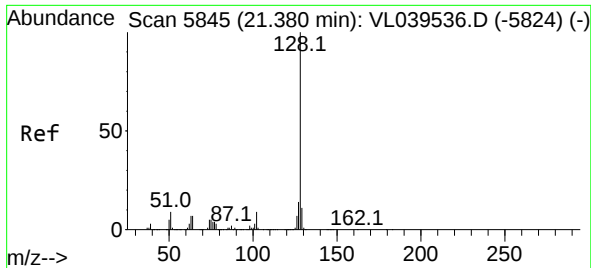
Ion Ratio Lower Upper

225 100

223 64.9 51.8 77.6

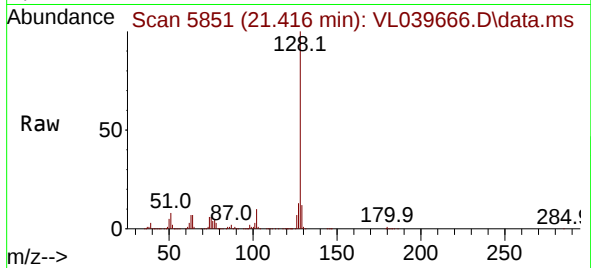
227 64.5 51.4 77.2





#79  
Naphthalene  
Concen: 11.541 ppbv  
RT: 21.416 min Scan# 5851  
Delta R.T. 0.036 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19

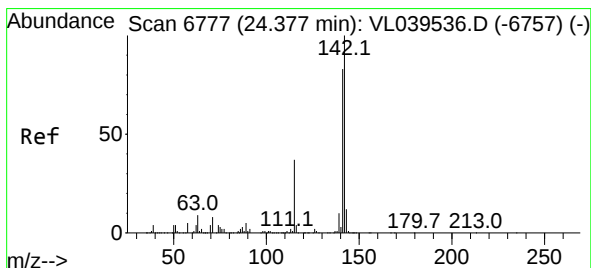
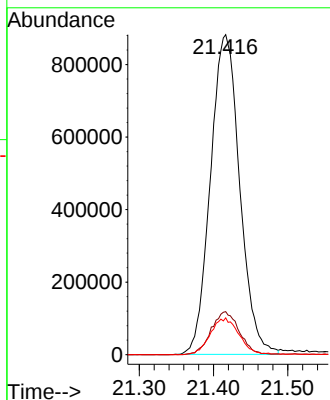
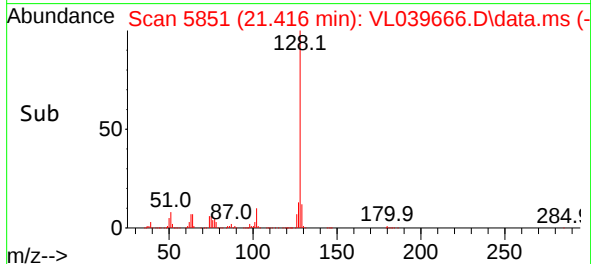
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



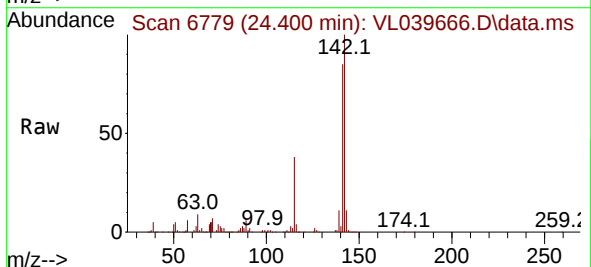
Tgt Ion:128 Resp: 2414030  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.6 15.8  
129 11.5 8.8 13.2

Manual Integrations  
APPROVED

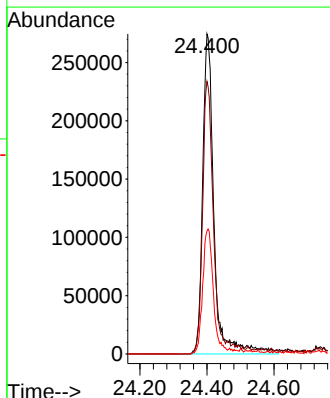
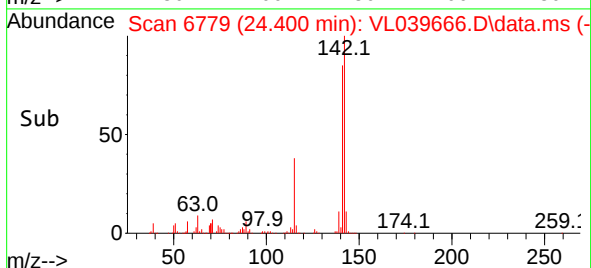
Reviewed By :Krupa Patel 09/28/2022  
Supervised By :Mahesh Dadoda 09/28/2022

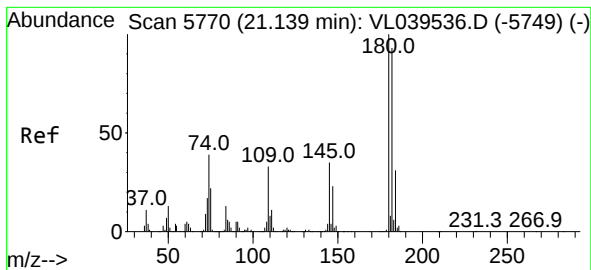


#80  
Naphthalene,2-methyl-  
Concen: 8.181 ppbv  
RT: 24.400 min Scan# 6779  
Delta R.T. 0.023 min  
Lab File: VL039666.D  
Acq: 22 Sep 2022 12:19



Tgt Ion:142 Resp: 643445  
Ion Ratio Lower Upper  
142 100  
141 83.8 68.9 103.3  
115 37.6 30.0 45.0





#81

1,2,4-Trichlorobenzene

Concen: 10.205 ppbv

RT: 21.172 min Scan# 51

Delta R.T. 0.033 min

Lab File: VL039666.D

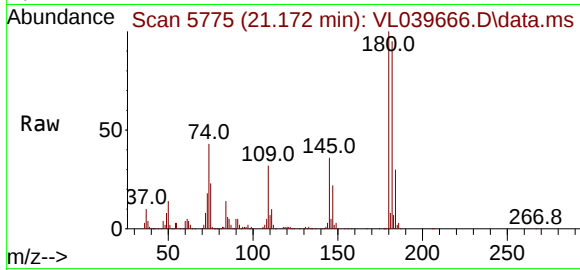
Acq: 22 Sep 2022 12:19

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:180 Resp: 1402138

Ion Ratio Lower Upper

180 100

182 94.0 77.1 115.7

184 30.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022

