

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL072522\  
 Data File : VL039521.D  
 Acq On : 25 Jul 2022 15:15  
 Operator : SY/AP  
 Sample : VL0725ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0725ABS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2022  
 Supervised By : Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 08:05:58 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 6 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.674  | 49   | 1061013  | 10.000 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 7.182  | 114  | 2968559  | 10.000 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.092 | 117  | 2807298m | 10.000 | ppbv  | 0.03     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.423 95 2193432 10.532 ppbv 0.03  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.300%

Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 3.054 | 85  | 2251649 | 14.713 | ppbv   | 98     |
| 3) Chlorodifluoromethane      | 2.993 | 51  | 1314254 | 9.763  | ppbv   | 98     |
| 4) Chloromethane              | 3.147 | 50  | 712763  | 9.681  | ppbv   | 99     |
| 5) Vinyl Chloride             | 3.263 | 62  | 687987  | 9.477  | ppbv   | 98     |
| 6) Bromomethane               | 3.481 | 94  | 318490  | 10.424 | ppbv   | 98     |
| 7) Chloroethane               | 3.562 | 64  | 257278  | 9.963  | ppbv   | 98     |
| 8) Dichlorotetrafluoroethane  | 3.192 | 85  | 1742304 | 10.422 | ppbv   | 100    |
| 9) Propene                    | 3.015 | 41  | 568312  | 9.349  | ppbv   | 99     |
| 10) Heptane                   | 8.131 | 43  | 1489853 | 10.464 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.957 | 101 | 1746181 | 10.239 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 4.491 | 101 | 1290616 | 10.152 | ppbv   | 100    |
| 13) Ethanol                   | 3.613 | 45  | 35679m  | 10.116 | ppbv   |        |
| 14) Bromoethene               | 3.745 | 108 | 549291  | 10.277 | ppbv   | 99     |
| 15) Acetone                   | 3.851 | 43  | 1310563 | 10.441 | ppbv   | 99     |
| 16) 1,3-Butadiene             | 3.333 | 39  | 694542  | 10.664 | ppbv   | 97     |
| 17) tert-Butyl alcohol        | 4.285 | 59  | 1204521 | 11.306 | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 4.295 | 96  | 581977  | 10.104 | ppbv   | 95     |
| 19) Isopropyl Alcohol         | 3.964 | 45  | 658857  | 9.840  | ppbv   | 99     |
| 20) Methylene Chloride        | 4.349 | 84  | 487466  | 9.743  | ppbv   | 98     |
| 21) Allyl Chloride            | 4.417 | 41  | 897701  | 10.326 | ppbv   | 100    |
| 22) trans-1,2-Dichloroethene  | 4.890 | 96  | 581253  | 10.426 | ppbv   | 96     |
| 23) Vinyl Acetate             | 5.079 | 43  | 984075  | 11.731 | ppbv # | 96     |
| 24) 1,1-Dichloroethane        | 5.018 | 63  | 1311911 | 11.073 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.681 | 43  | 2739659 | 10.644 | ppbv   | 99     |
| 26) Hexane                    | 5.693 | 57  | 1108164 | 10.681 | ppbv   | 95     |
| 27) Carbon Disulfide          | 4.555 | 76  | 1423817 | 11.370 | ppbv   | 100    |
| 28) Methyl tert-Butyl Ether   | 5.037 | 73  | 1263967 | 11.394 | ppbv   | 96     |
| 29) Chloroform                | 5.761 | 83  | 1876754 | 10.403 | ppbv   | 98     |
| 30) Cyclohexane               | 7.140 | 84  | 988968  | 10.470 | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 5.558 | 61  | 1177233 | 10.694 | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.517 | 97  | 1923765 | 10.803 | ppbv   | 99     |
| 34) 2-Butanone                | 5.246 | 43  | 1601955 | 10.720 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 7.025 | 117 | 2043835 | 11.142 | ppbv   | 100    |
| 36) Benzene                   | 6.899 | 78  | 2409767 | 10.488 | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 6.314 | 62  | 1456665 | 10.742 | ppbv   | 99     |
| 38) Trichloroethene           | 7.844 | 130 | 1292471 | 10.401 | ppbv   | 98     |
| 39) 1,2-Dichloropropane       | 7.619 | 63  | 882723  | 10.284 | ppbv   | 97     |
| 40) 1,4-Dioxane               | 7.838 | 88  | 324518  | 9.488  | ppbv # | 1      |
| 41) Tetrahydrofuran           | 6.054 | 42  | 915864  | 10.576 | ppbv   | 99     |
| 42) Bromodichloromethane      | 7.799 | 83  | 2030048 | 11.102 | ppbv   | 94     |
| 43) Methyl Methacrylate       | 8.021 | 69  | 984692  | 11.272 | ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane    | 7.877 | 57  | 4019239 | 10.323 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 9.285 | 75  | 1022705 | 13.148 | ppbv   | 100    |

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 Data File : VL039521.D  
 Acq On : 25 Jul 2022 15:15  
 Operator : SY/AP  
 Sample : VL0725ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0725ABS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 08:05:58 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_LWed Jul 6

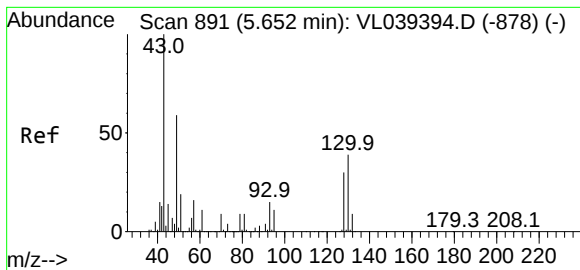
QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) cis-1,3-Dichloropropene   | 8.709  | 75   | 1330191  | 12.425 | ppbv  | 99       |
| 47) 1,1,2-Trichloroethane     | 9.484  | 97   | 1012374  | 10.512 | ppbv  | 97       |
| 48) Dibromochloromethane      | 10.314 | 129  | 1834116  | 11.982 | ppbv  | 100      |
| 49) Bromoform                 | 13.050 | 173  | 1558619  | 12.622 | ppbv  | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.748  | 43   | 2552837  | 11.298 | ppbv  | 99       |
| 51) 2-Hexanone                | 10.140 | 43   | 2018988  | 11.813 | ppbv  | 99       |
| 52) Tetrachloroethene         | 11.230 | 164  | 959149   | 10.370 | ppbv  | 98       |
| 53) Toluene                   | 9.815  | 91   | 2934345  | 11.072 | ppbv  | 99       |
| 54) 1,2-Dibromoethane         | 10.619 | 107  | 1351230  | 11.276 | ppbv  | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 12.134 | 131  | 1345533  | 10.850 | ppbv  | 95       |
| 57) Chlorobenzene             | 12.156 | 112  | 2279452  | 10.473 | ppbv  | 98       |
| 58) Ethyl Benzene             | 12.719 | 91   | 3969132  | 10.950 | ppbv  | 100      |
| 59) m/p-Xylene                | 13.005 | 91   | 6927261m | 21.676 | ppbv  |          |
| 60) o-Xylene                  | 13.696 | 91   | 3319825  | 10.970 | ppbv  | 100      |
| 61) Styrene                   | 13.536 | 104  | 2000672  | 12.205 | ppbv  | 100      |
| 62) Isopropylbenzene          | 14.674 | 105  | 4925894  | 10.689 | ppbv  | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.683 | 83   | 1567729  | 9.884  | ppbv  | 99       |
| 64) n-propylbenzene           | 15.571 | 120  | 1282603m | 10.981 | ppbv  |          |
| 65) tert-Butylbenzene         | 16.751 | 119  | 4520074  | 10.614 | ppbv  | 99       |
| 66) Benzyl Chloride           | 16.995 | 91   | 597670   | 14.769 | ppbv  | 100      |
| 67) sec-Butylbenzene          | 17.297 | 105  | 6167121  | 10.752 | ppbv  | 100      |
| 69) p-Isopropyltoluene        | 17.658 | 119  | 5341715  | 10.976 | ppbv  | 100      |
| 70) n-Butylbenzene            | 18.551 | 91   | 5227670  | 11.067 | ppbv  | 100      |
| 71) 2-Chlorotoluene           | 15.458 | 91   | 3676080  | 11.145 | ppbv  | 98       |
| 72) 4-Ethyltoluene            | 15.847 | 105  | 4077623  | 11.461 | ppbv  | 99       |
| 73) 1,3,5-Trimethylbenzene    | 16.002 | 105  | 3669671  | 11.230 | ppbv  | 99       |
| 74) 1,2,4-Trimethylbenzene    | 16.767 | 105  | 3960957  | 10.957 | ppbv  | 97       |
| 75) 1,3-Dichlorobenzene       | 17.002 | 146  | 2361681  | 10.952 | ppbv  | 99       |
| 76) 1,4-Dichlorobenzene       | 17.140 | 146  | 2311056  | 10.813 | ppbv  | 99       |
| 77) 1,2-Dichlorobenzene       | 17.822 | 146  | 2321089  | 10.859 | ppbv  | 100      |
| 78) Hexachloro-1,3-Butadiene  | 23.374 | 225  | 1669503  | 9.712  | ppbv  | 99       |
| 79) Naphthalene               | 22.198 | 128  | 3287832  | 13.216 | ppbv  | 100      |
| 80) Naphthalene,2-methyl-     | 24.969 | 142  | 1112996  | 13.145 | ppbv  | 95       |
| 81) 1,2,4-Trichlorobenzene    | 21.931 | 180  | 1840151  | 11.356 | ppbv  | 100      |

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





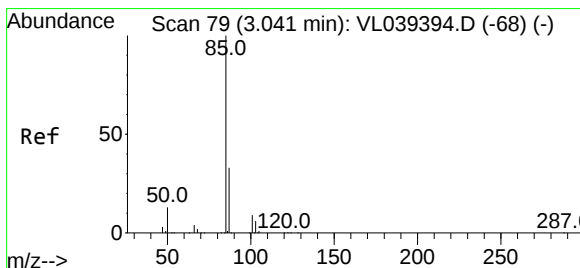
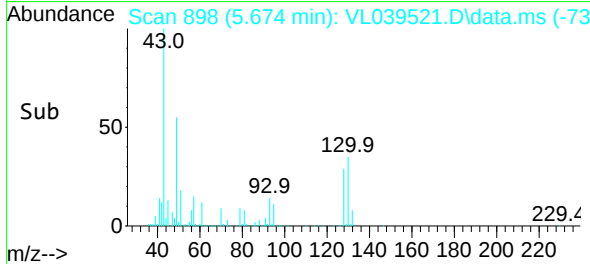
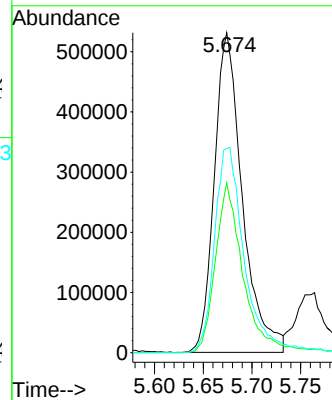
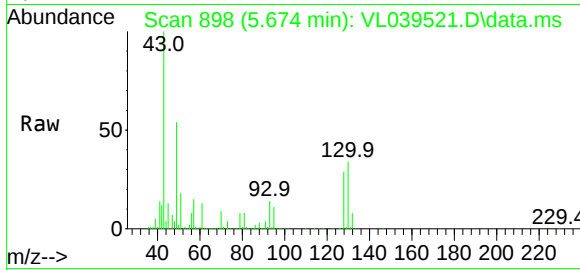
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.674 min Scan# 891  
Delta R.T. 0.022 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01

Tgt Ion: 49 Resp: 106101  
Ion Ratio Lower Upper  
49 100  
128 53.8 26.7 80.0  
130 69.8 34.3 102.8

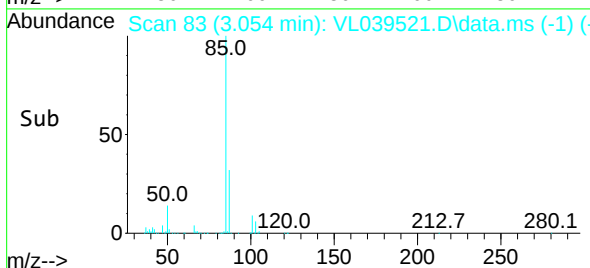
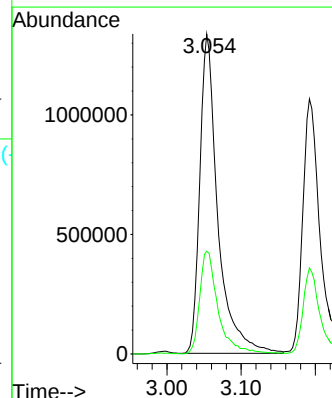
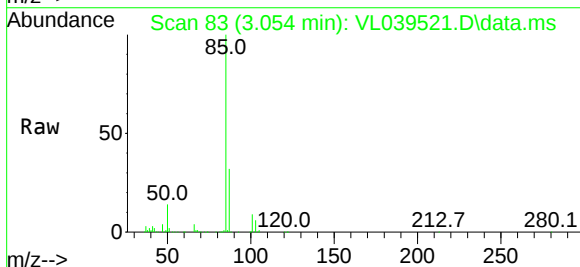
Manual Integrations  
APPROVED

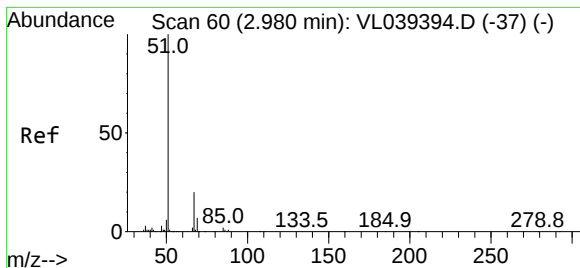
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#2  
Dichlorodifluoromethane  
Concen: 14.713 ppbv  
RT: 3.054 min Scan# 83  
Delta R.T. 0.013 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

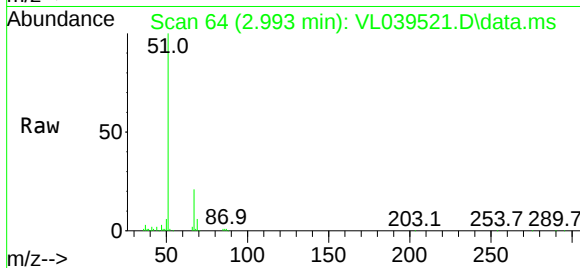
Tgt Ion: 85 Resp: 2251649  
Ion Ratio Lower Upper  
85 100  
87 32.1 26.7 40.1





#3  
Chlorodifluoromethane  
Concen: 9.763 ppbv  
RT: 2.993 min Scan# 64  
Delta R.T. 0.013 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

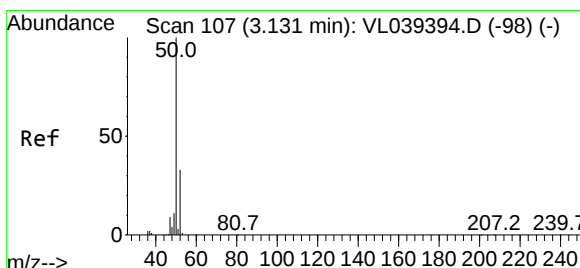
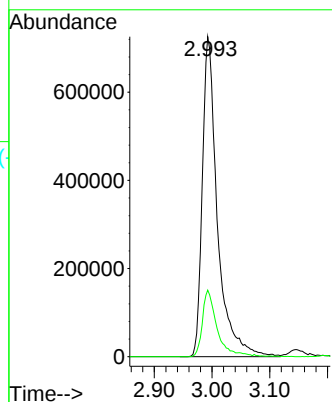
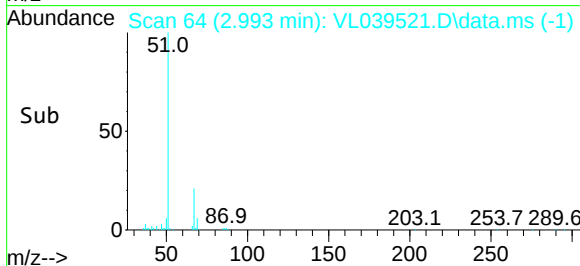
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



Tgt Ion: 51 Resp: 1314254  
Ion Ratio Lower Upper  
51 100  
67 20.5 15.7 23.5

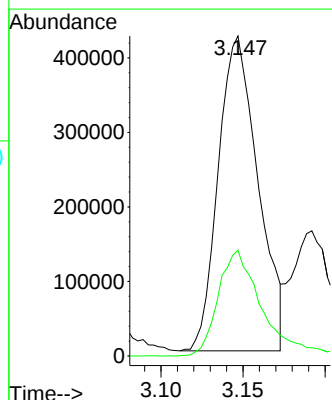
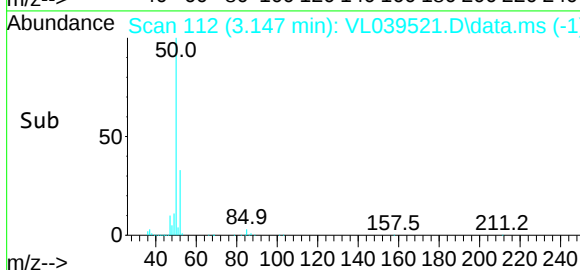
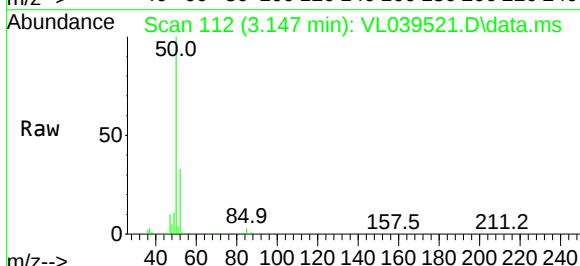
Manual Integrations  
APPROVED

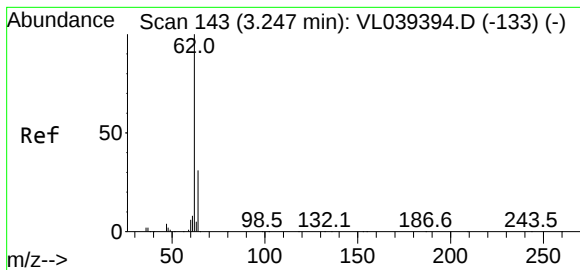
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#4  
Chloromethane  
Concen: 9.681 ppbv  
RT: 3.147 min Scan# 112  
Delta R.T. 0.016 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Tgt Ion: 50 Resp: 712763  
Ion Ratio Lower Upper  
50 100  
52 33.5 26.5 39.7





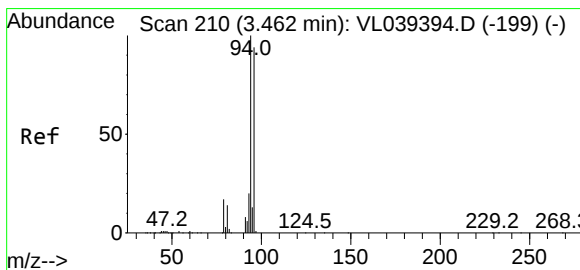
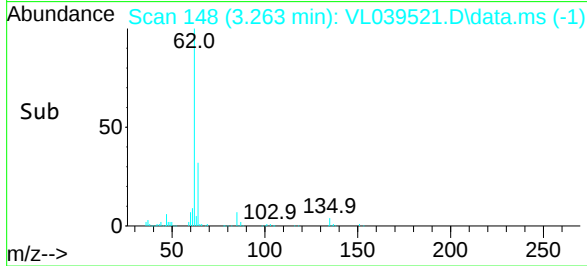
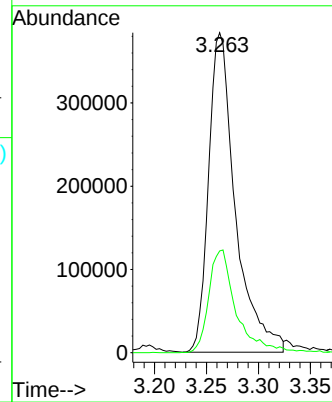
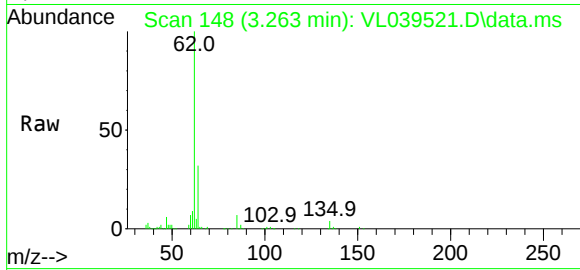
#5  
 Vinyl Chloride  
 Concen: 9.477 ppbv  
 RT: 3.263 min Scan# 143  
 Delta R.T. 0.016 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0725ABS01

Tgt Ion: 62 Resp: 68798  
 Ion Ratio Lower Upper  
 62 100  
 64 31.8 24.6 36.8

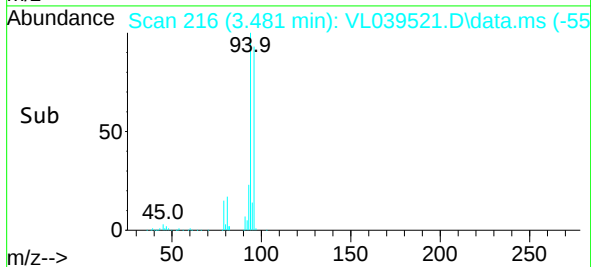
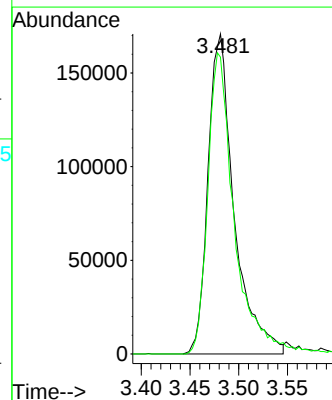
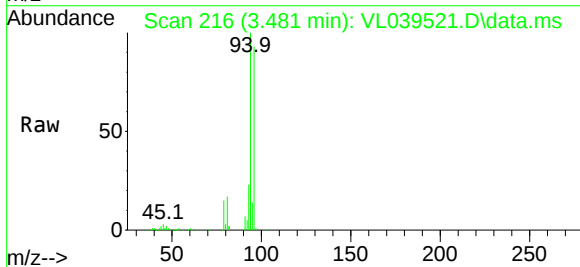
Manual Integrations  
 APPROVED

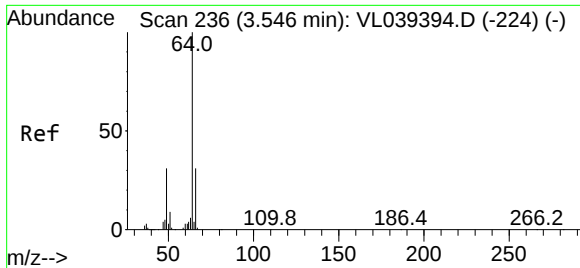
Reviewed By :Semsettin Yesilyurt 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022



#6  
 Bromomethane  
 Concen: 10.424 ppbv  
 RT: 3.481 min Scan# 216  
 Delta R.T. 0.019 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

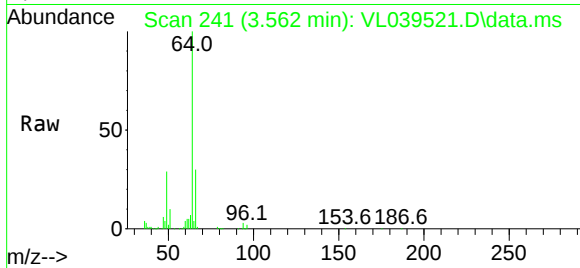
Tgt Ion: 94 Resp: 318490  
 Ion Ratio Lower Upper  
 94 100  
 96 92.7 75.6 113.4





#7  
Chloroethane  
Concen: 9.963 ppbv  
RT: 3.562 min Scan# 241  
Delta R.T. 0.016 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

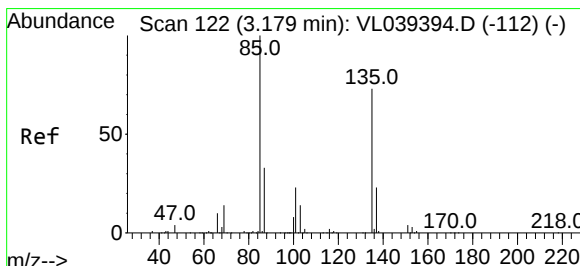
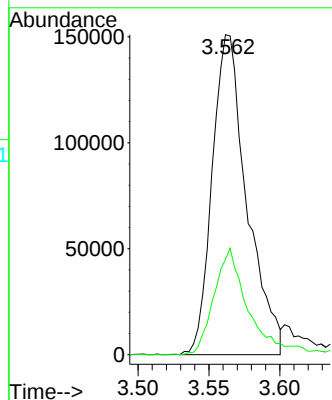
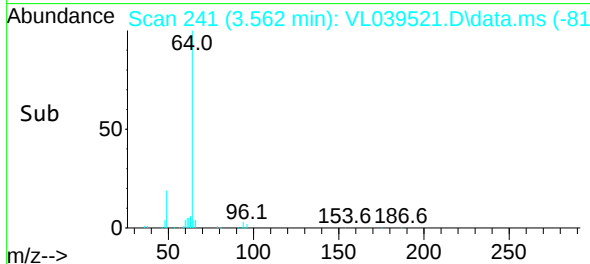
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



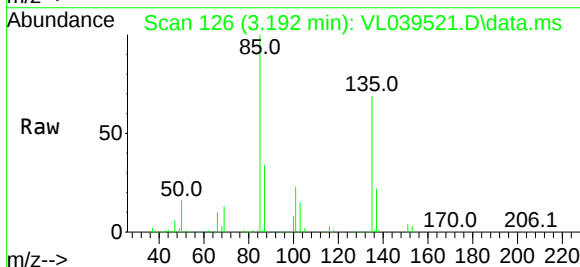
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Ion Ratio Lower Upper  
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66 29.7 24.7 37.1

Manual Integrations  
APPROVED

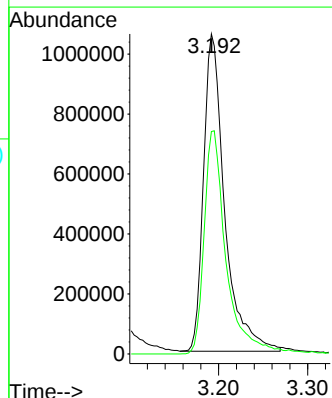
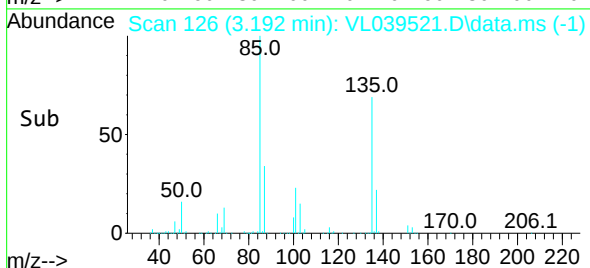
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

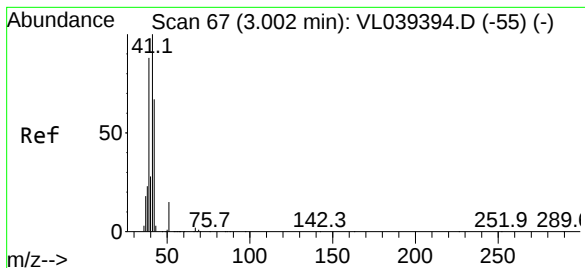


#8  
Dichlorotetrafluoroethane  
Concen: 10.422 ppbv  
RT: 3.192 min Scan# 126  
Delta R.T. 0.013 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15



Tgt Ion: 85 Resp: 1742304  
Ion Ratio Lower Upper  
85 100  
135 73.9 59.0 88.4





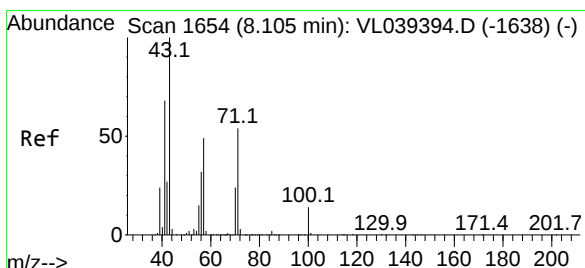
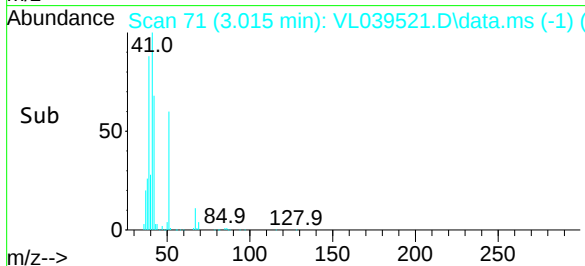
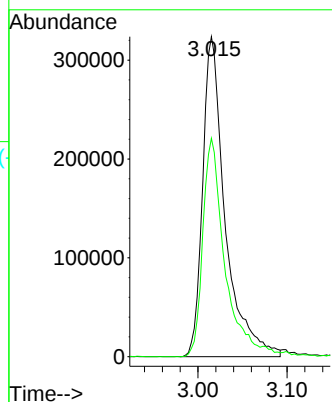
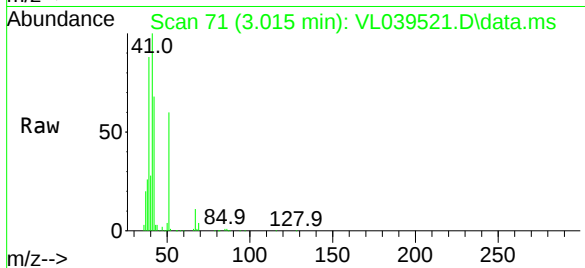
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 Propene  
 Concen: 9.349 ppbv  
 RT: 3.015 min Scan# 71  
 Delta R.T. 0.013 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0725ABS01

Tgt Ion: 41 Resp: 568312  
 Ion Ratio Lower Upper  
 41 100  
 42 68.1 55.2 82.8

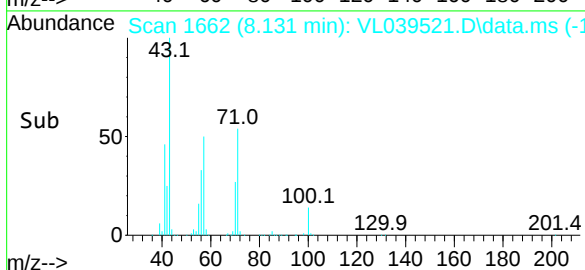
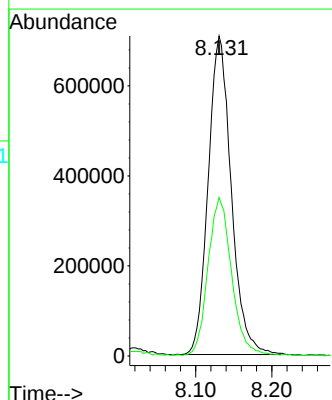
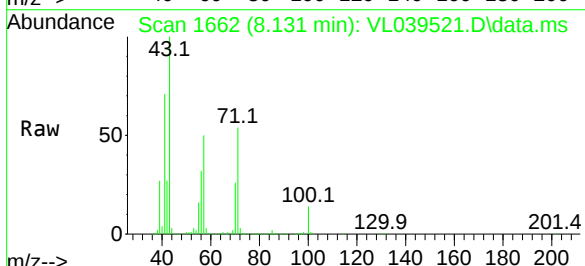
Manual Integrations  
 APPROVED

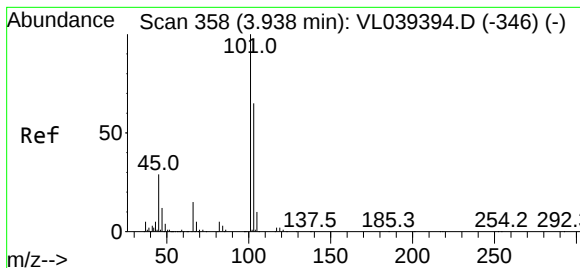
Reviewed By :Semsettin Yesilyurt 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022



#10  
 Heptane  
 Concen: 10.464 ppbv  
 RT: 8.131 min Scan# 1662  
 Delta R.T. 0.026 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

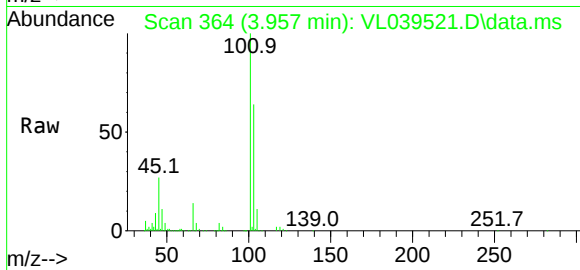
Tgt Ion: 43 Resp: 1489853  
 Ion Ratio Lower Upper  
 43 100  
 57 51.0 40.5 60.7





#11  
 Trichlorofluoromethane  
 Concen: 10.239 ppbv  
 RT: 3.957 min Scan# 30  
 Delta R.T. 0.019 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

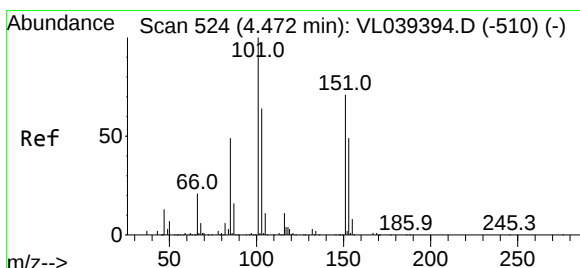
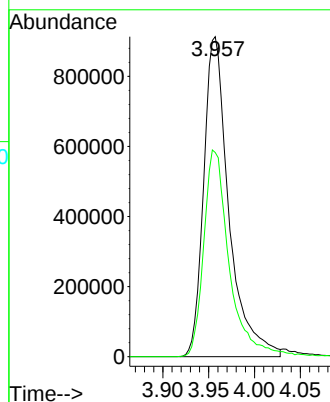
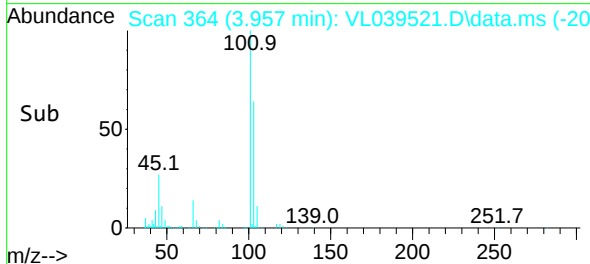
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0725ABS01



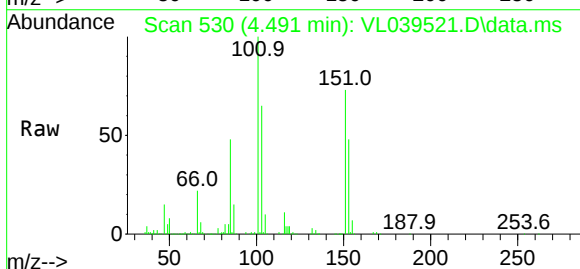
Tgt Ion:101 Resp: 174618  
 Ion Ratio Lower Upper  
 101 100  
 103 63.7 51.8 77.8

Manual Integrations  
 APPROVED

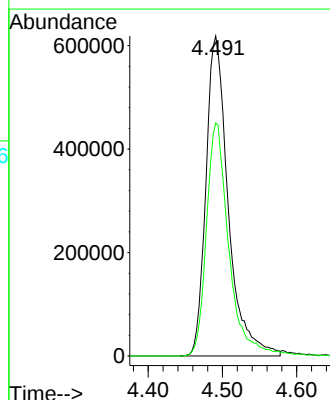
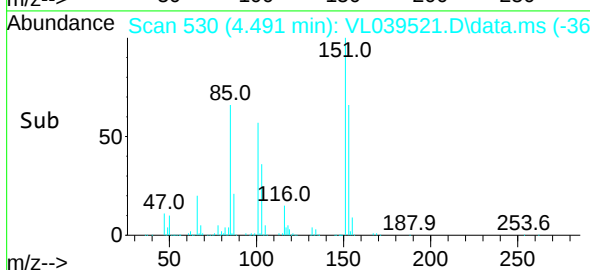
Reviewed By :Semsettin Yesilyurt 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022

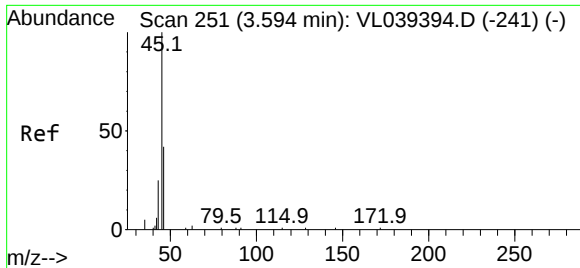


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.152 ppbv  
 RT: 4.491 min Scan# 530  
 Delta R.T. 0.019 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15



Tgt Ion:101 Resp: 1290616  
 Ion Ratio Lower Upper  
 101 100  
 151 73.4 58.9 88.3





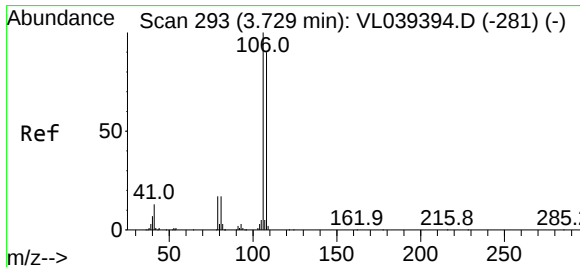
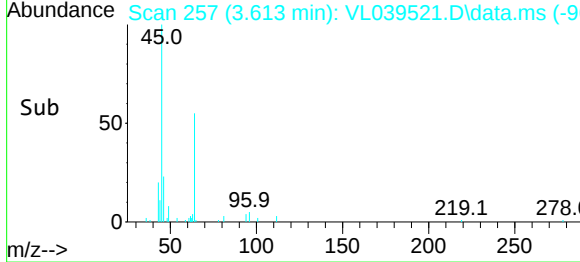
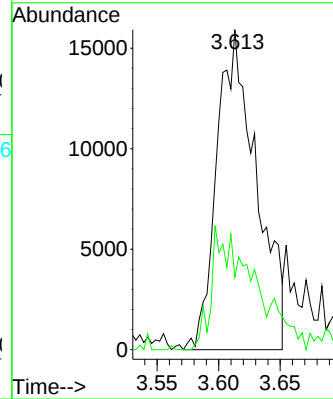
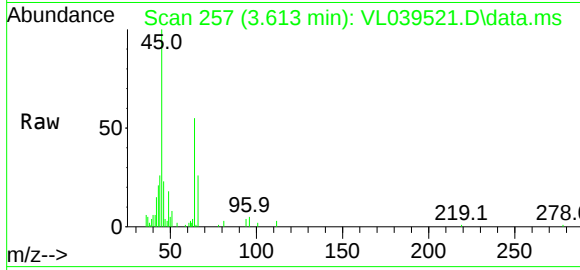
#13  
Ethanol  
Concen: 10.116 ppbv m  
RT: 3.613 min Scan# 21  
Delta R.T. 0.019 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01

Tgt Ion: 45 Resp: 35679  
Ion Ratio Lower Upper  
45 100  
46 44.0 22.8 91.2

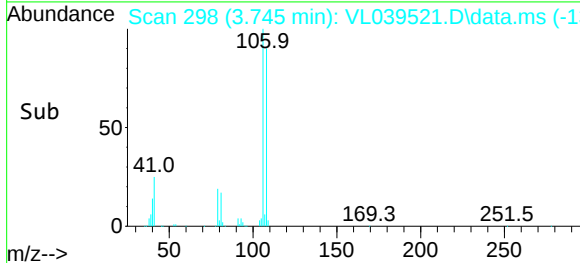
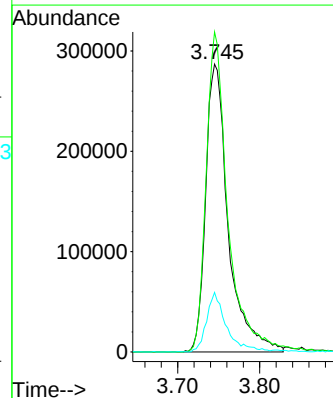
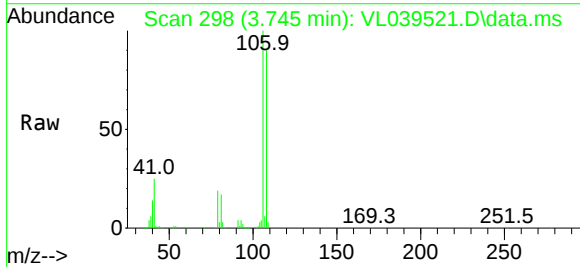
Manual Integrations  
APPROVED

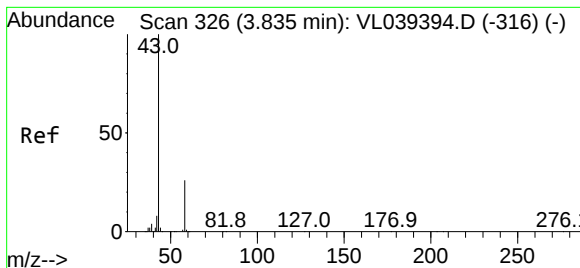
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#14  
Bromoethene  
Concen: 10.277 ppbv  
RT: 3.745 min Scan# 298  
Delta R.T. 0.016 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Tgt Ion:108 Resp: 549291  
Ion Ratio Lower Upper  
108 100  
106 108.3 87.1 130.7  
79 18.8 14.6 22.0





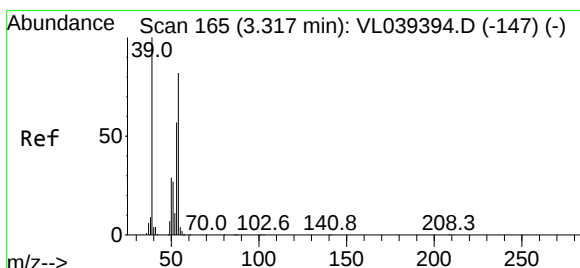
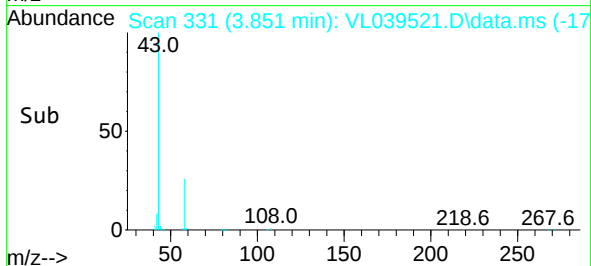
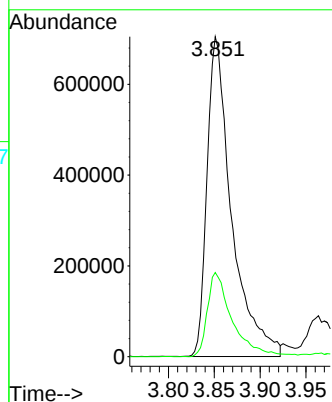
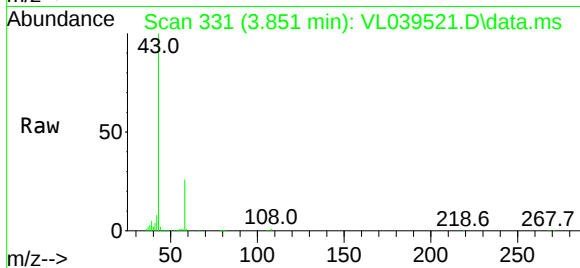
#15  
Acetone  
Concen: 10.441 ppbv  
RT: 3.851 min Scan# 31  
Delta R.T. 0.016 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01

Tgt Ion: 43 Resp: 131056  
Ion Ratio Lower Upper  
43 100  
58 26.9 21.0 31.6

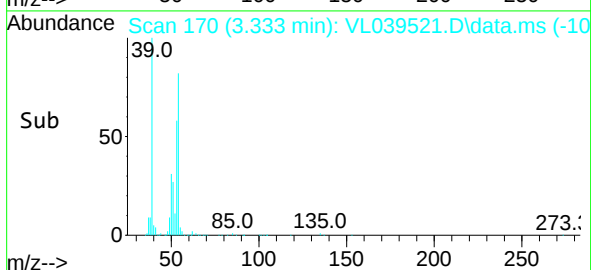
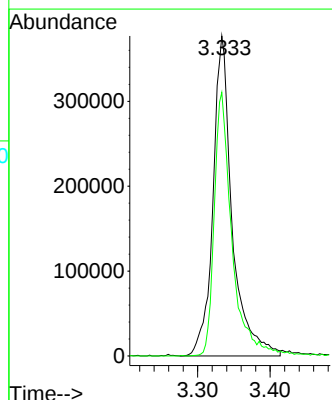
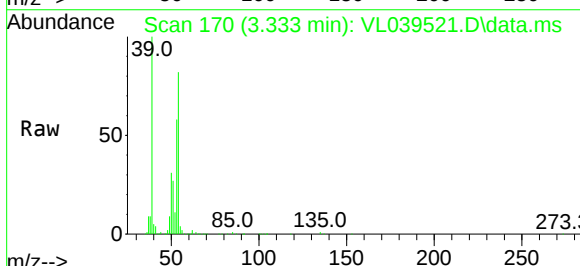
Manual Integrations  
APPROVED

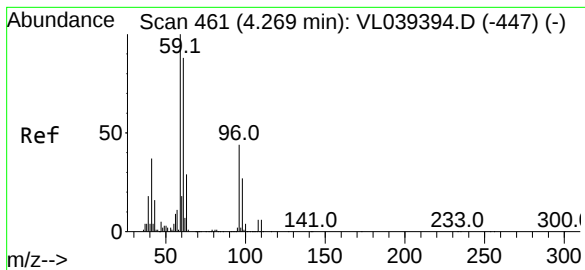
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#16  
1,3-Butadiene  
Concen: 10.664 ppbv  
RT: 3.333 min Scan# 170  
Delta R.T. 0.016 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

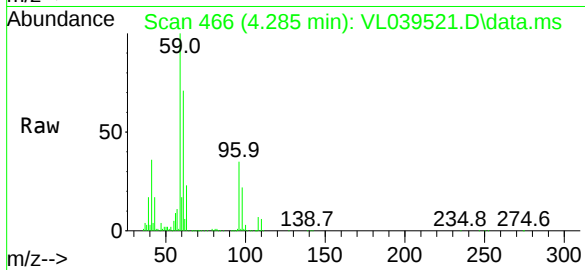
Tgt Ion: 39 Resp: 694542  
Ion Ratio Lower Upper  
39 100  
54 77.0 63.7 95.5





#17  
tert-Butyl alcohol  
Concen: 11.306 ppbv  
RT: 4.285 min Scan# 466  
Delta R.T. 0.016 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

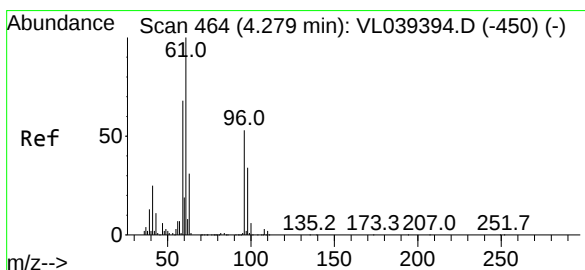
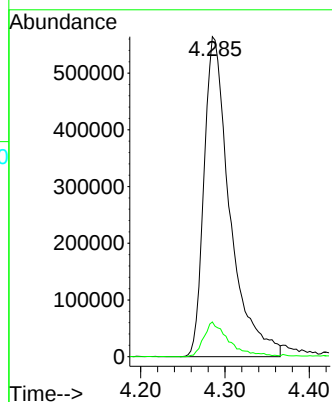
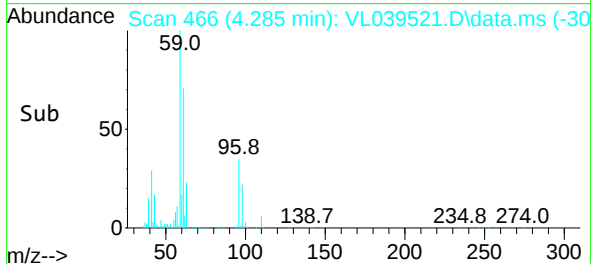
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



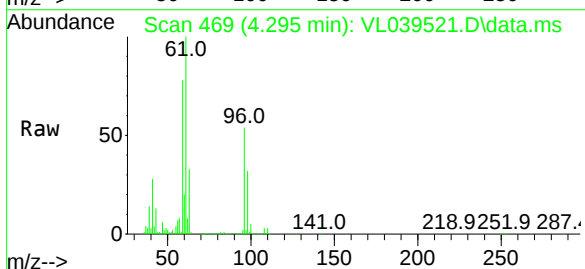
Tgt Ion: 59 Resp: 120452  
Ion Ratio Lower Upper  
59 100  
57 10.9 8.7 13.1

Manual Integrations  
APPROVED

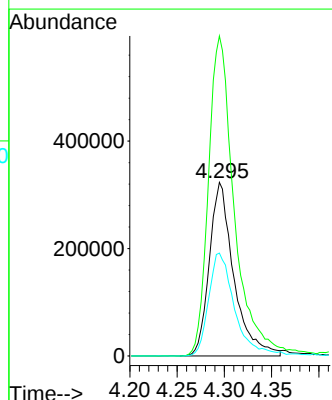
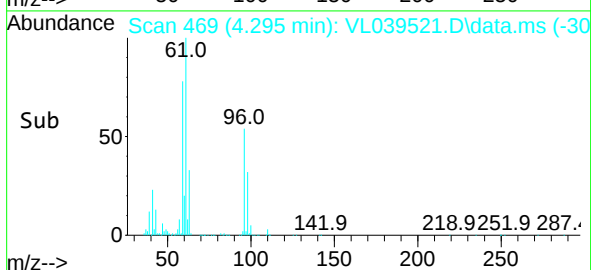
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

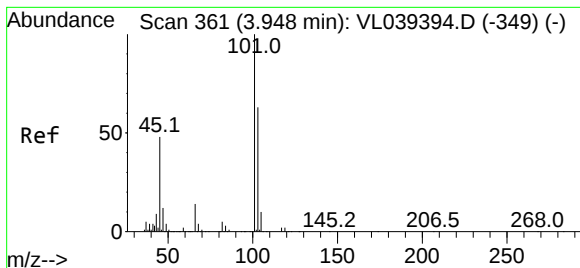


#18  
1,1-Dichloroethene  
Concen: 10.104 ppbv  
RT: 4.295 min Scan# 469  
Delta R.T. 0.016 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15



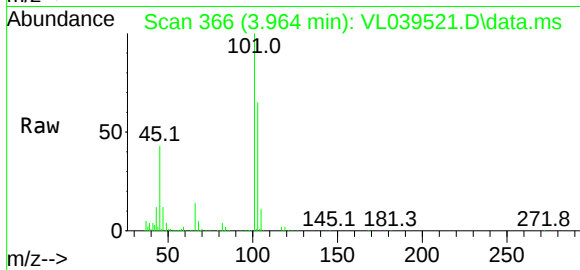
Tgt Ion: 96 Resp: 581977  
Ion Ratio Lower Upper  
96 100  
61 184.4 152.2 228.4  
98 59.3 51.8 77.6





#19  
Isopropyl Alcohol  
Concen: 9.840 ppbv  
RT: 3.964 min Scan# 30  
Delta R.T. 0.016 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

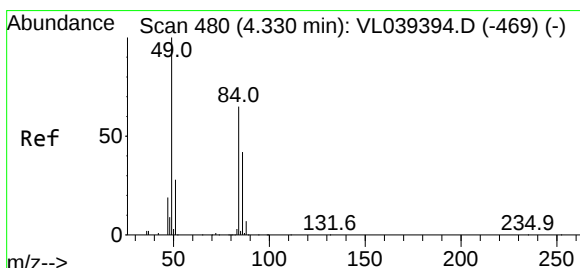
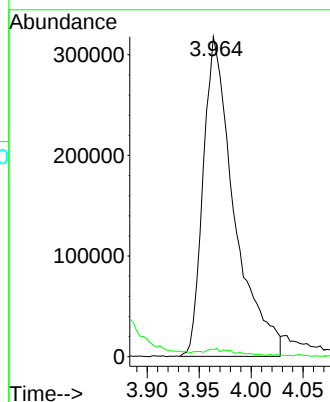
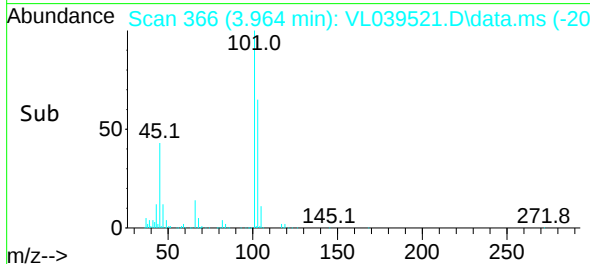
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



Tgt Ion: 45 Resp: 65885  
Ion Ratio Lower Upper  
45 100  
58 3.8 3.2 4.8

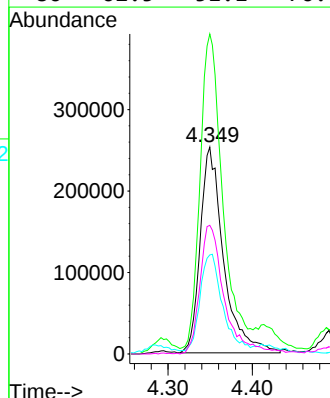
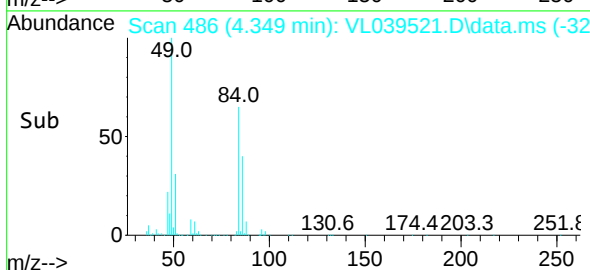
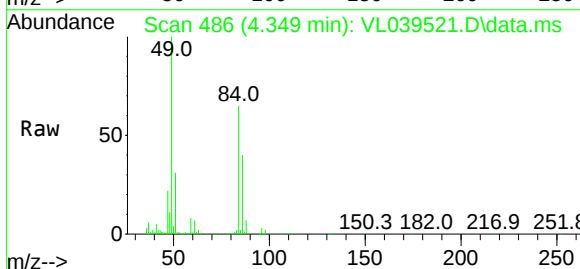
Manual Integrations  
APPROVED

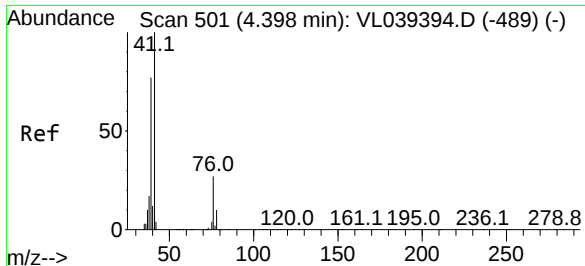
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#20  
Methylene Chloride  
Concen: 9.743 ppbv  
RT: 4.349 min Scan# 486  
Delta R.T. 0.019 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Tgt Ion: 84 Resp: 487466  
Ion Ratio Lower Upper  
84 100  
49 152.9 123.1 184.7  
51 46.6 34.4 51.6  
86 62.5 51.1 76.7





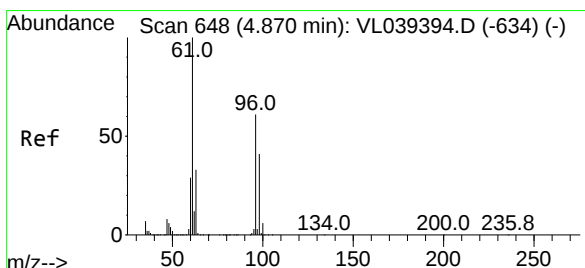
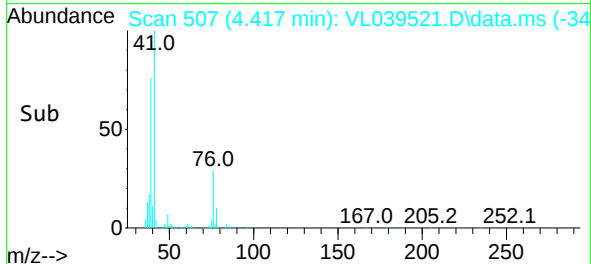
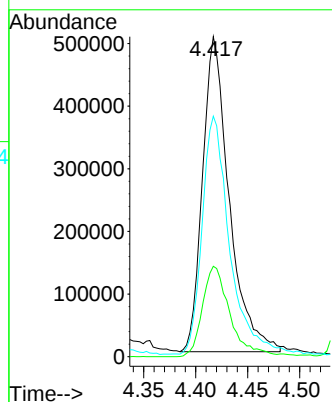
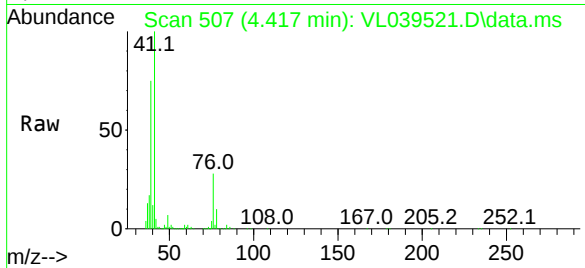
#21  
 Allyl Chloride  
 Concen: 10.326 ppbv  
 RT: 4.417 min Scan# 501  
 Delta R.T. 0.019 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0725ABS01

Tgt Ion: 41 Resp: 89770  
 Ion Ratio Lower Upper  
 41 100  
 76 29.9 24.4 36.6  
 39 79.3 63.5 95.3

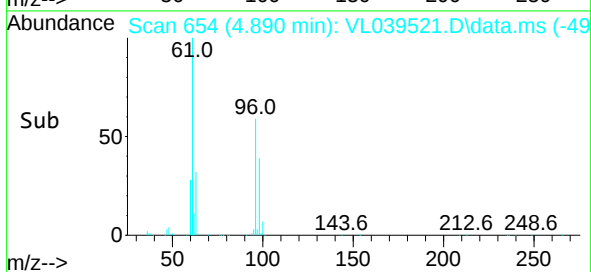
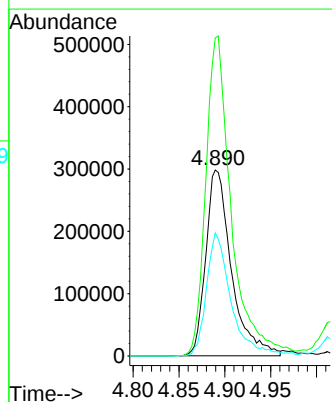
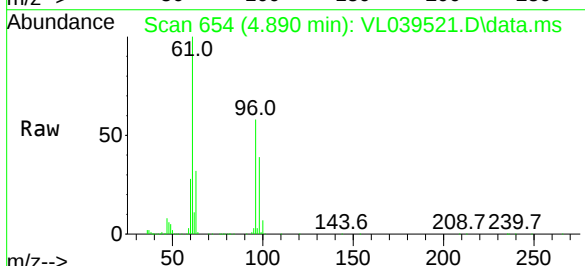
Manual Integrations  
 APPROVED

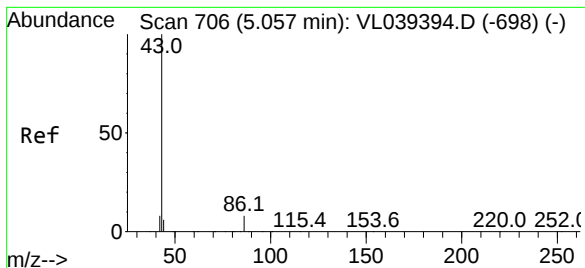
Reviewed By :Semsettin Yesilyurt 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.426 ppbv  
 RT: 4.890 min Scan# 654  
 Delta R.T. 0.019 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

Tgt Ion: 96 Resp: 581253  
 Ion Ratio Lower Upper  
 96 100  
 61 170.9 130.6 195.8  
 98 66.1 53.4 80.0





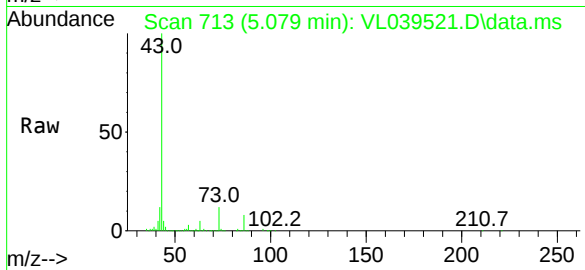
#23  
 Vinyl Acetate  
 Concen: 11.731 ppbv  
 RT: 5.079 min Scan# 706  
 Delta R.T. 0.022 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0725ABS01

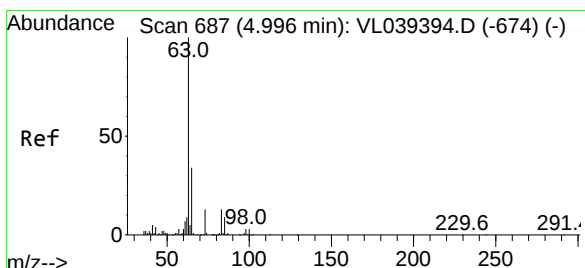
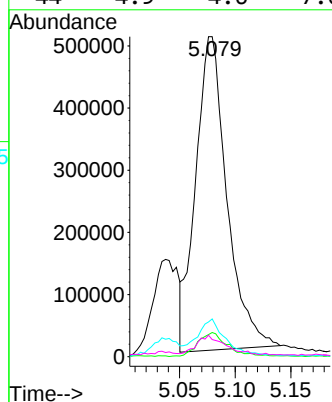
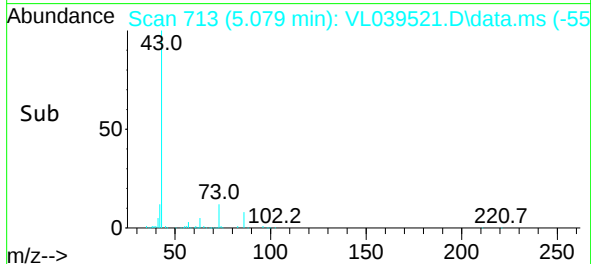


Tgt Ion: 43 Resp: 984079  
 Ion Ratio Lower Upper  
 43 100  
 86 7.5 5.0 7.6  
 42 11.7 7.7 11.5  
 44 4.9 4.6 7.0

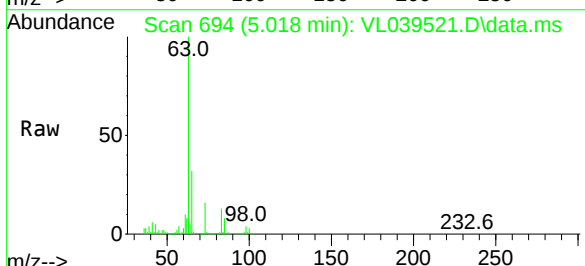
Manual Integrations

APPROVED

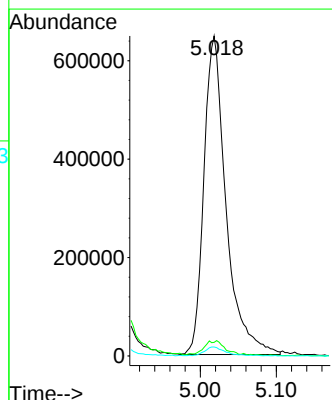
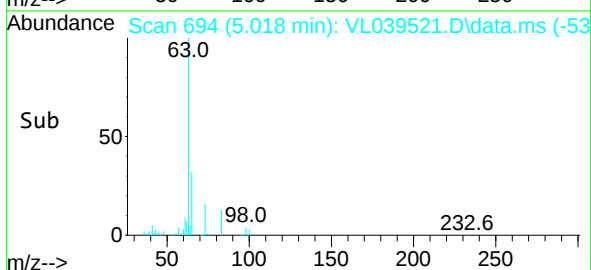
Reviewed By :Semsettin Yesilyurt 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022

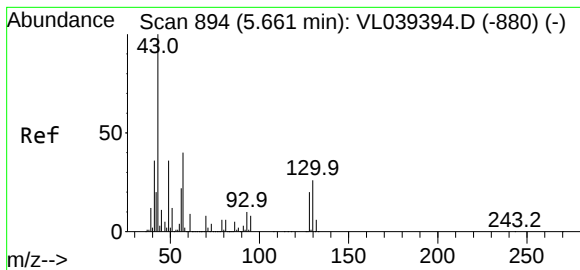


#24  
 1,1-Dichloroethane  
 Concen: 11.073 ppbv  
 RT: 5.018 min Scan# 694  
 Delta R.T. 0.022 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15



Tgt Ion: 63 Resp: 1311911  
 Ion Ratio Lower Upper  
 63 100  
 98 4.1 1.8 5.3  
 100 2.8 1.5 4.4





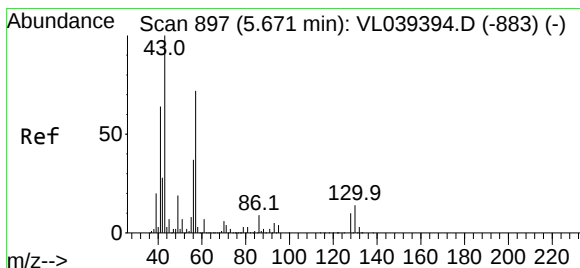
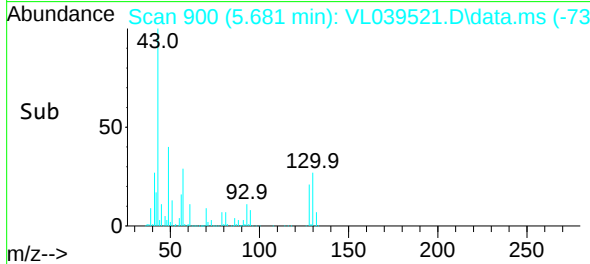
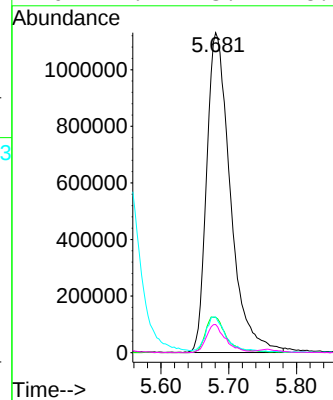
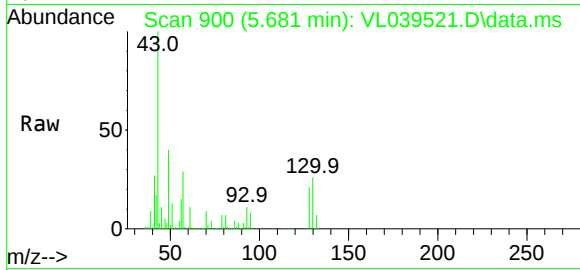
#25  
Ethyl Acetate  
Concen: 10.644 ppbv  
RT: 5.681 min Scan# 900  
Delta R.T. 0.019 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01

Tgt Ion: 43 Resp: 2739659  
Ion Ratio Lower Upper  
43 100  
45 10.1 8.2 12.4  
61 9.6 8.3 12.5  
70 7.2 5.9 8.9

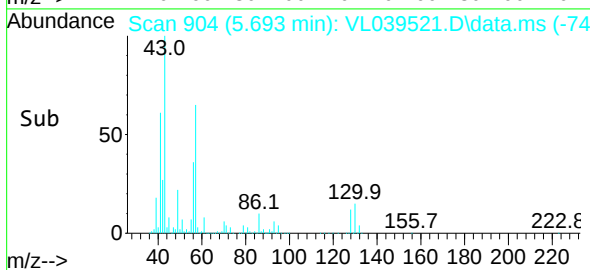
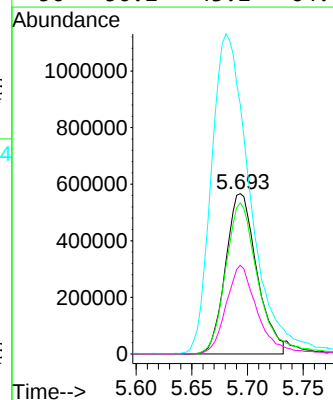
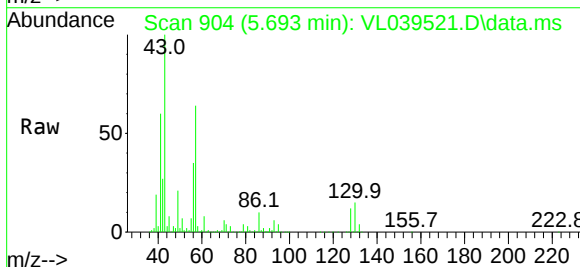
Manual Integrations  
APPROVED

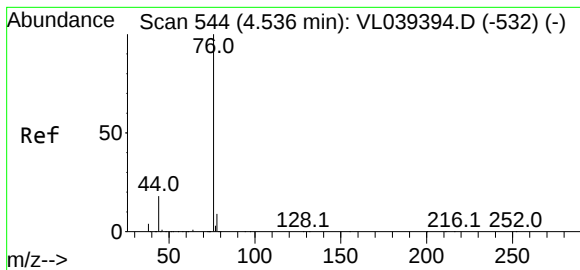
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#26  
Hexane  
Concen: 10.681 ppbv  
RT: 5.693 min Scan# 904  
Delta R.T. 0.022 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Tgt Ion: 57 Resp: 1108164  
Ion Ratio Lower Upper  
57 100  
41 99.7 76.9 115.3  
43 249.9 191.0 286.6  
56 56.2 43.2 64.8





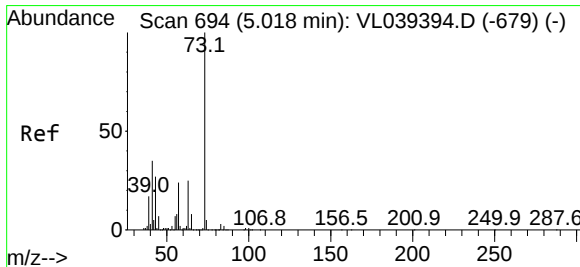
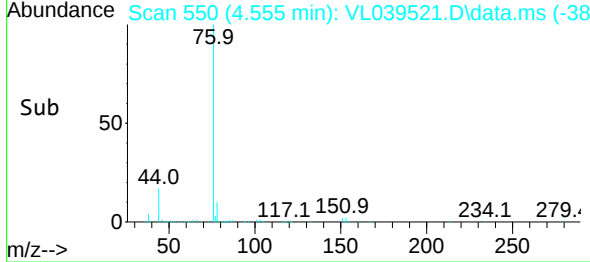
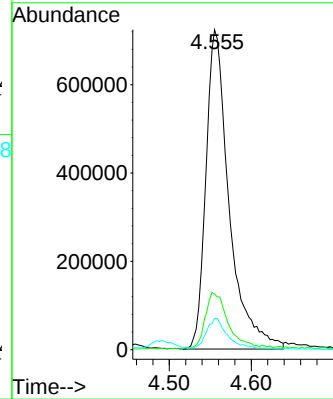
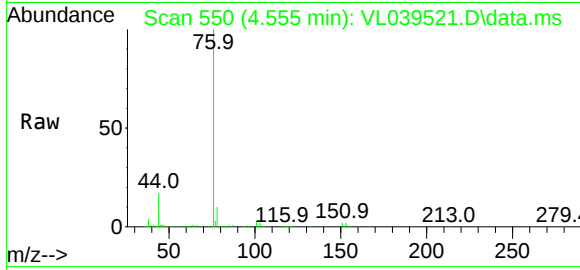
#27  
Carbon Disulfide  
Concen: 11.370 ppbv  
RT: 4.555 min Scan# 51  
Delta R.T. 0.019 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01

Tgt Ion: 76 Resp: 142381  
Ion Ratio Lower Upper  
76 100  
44 18.2 14.6 21.8  
78 9.9 7.8 11.6

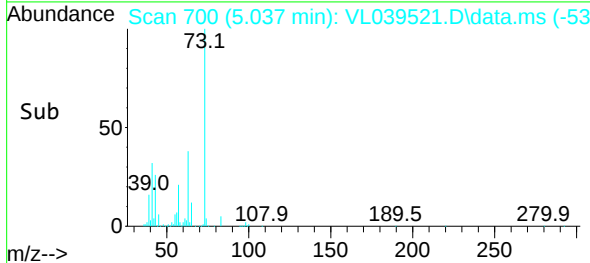
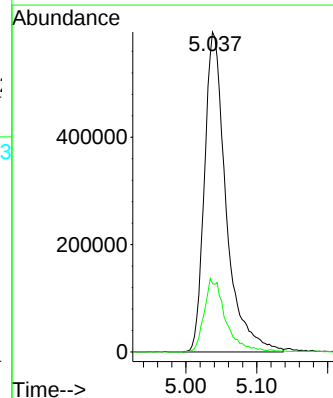
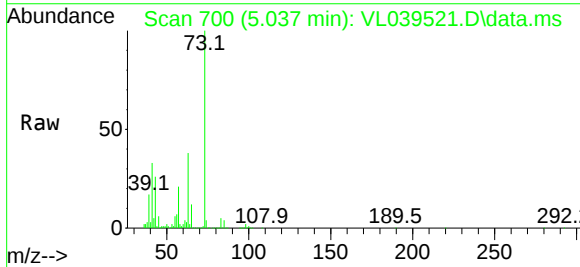
Manual Integrations  
APPROVED

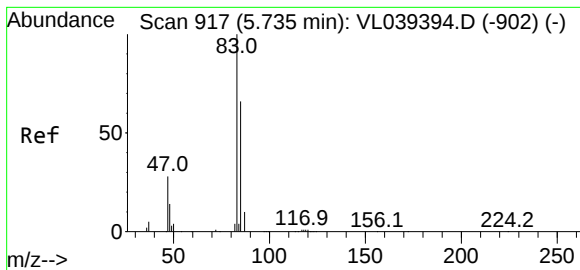
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#28  
Methyl tert-Butyl Ether  
Concen: 11.394 ppbv  
RT: 5.037 min Scan# 700  
Delta R.T. 0.019 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

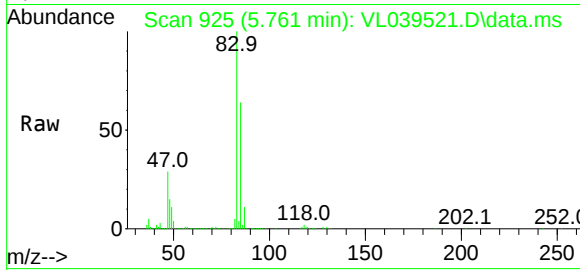
Tgt Ion: 73 Resp: 1263967  
Ion Ratio Lower Upper  
73 100  
57 23.0 19.8 29.8





#29  
Chloroform  
Concen: 10.403 ppbv  
RT: 5.761 min Scan# 917  
Delta R.T. 0.026 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

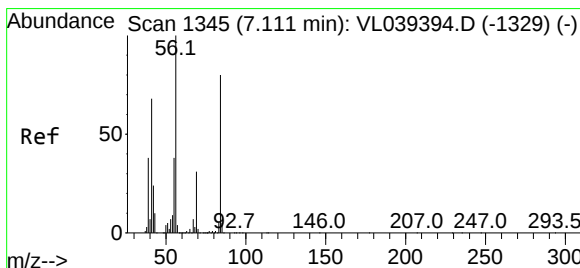
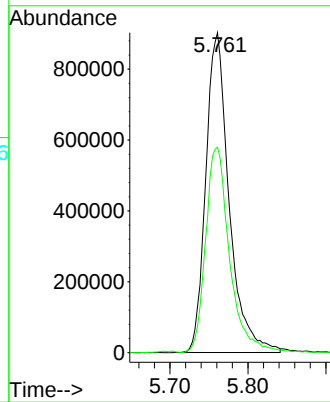
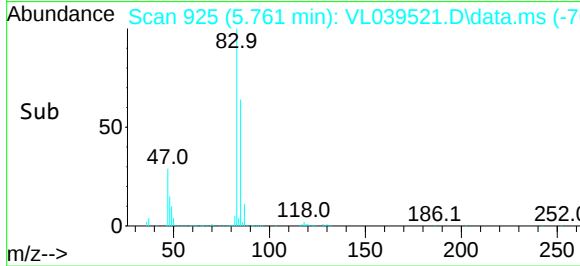
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



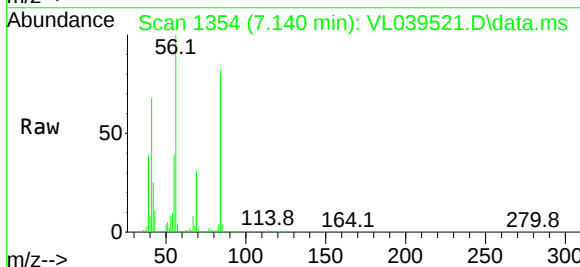
Tgt Ion: 83 Resp: 1876754  
Ion Ratio Lower Upper  
83 100  
85 64.1 52.8 79.2

Manual Integrations  
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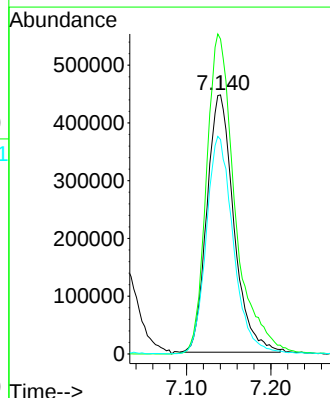
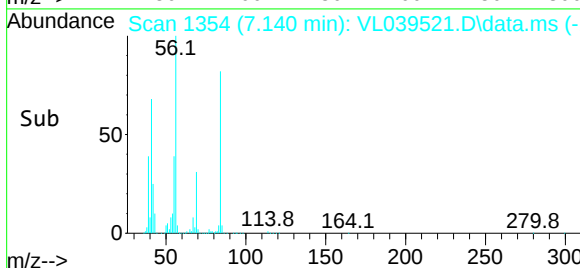
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

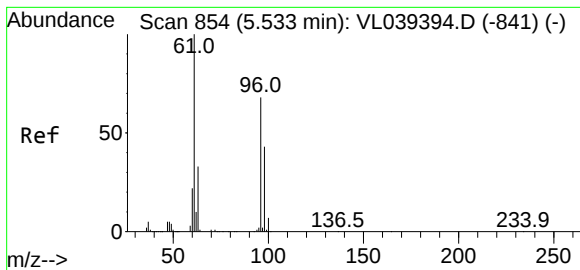


#30  
Cyclohexane  
Concen: 10.470 ppbv  
RT: 7.140 min Scan# 1354  
Delta R.T. 0.029 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15



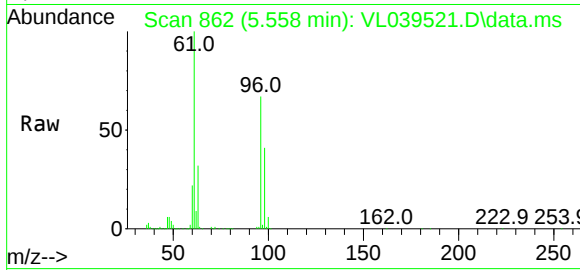
Tgt Ion: 84 Resp: 988968  
Ion Ratio Lower Upper  
84 100  
56 132.9 107.7 161.5  
41 85.9 67.7 101.5





#31  
 cis-1,2-Dichloroethene  
 Concen: 10.694 ppbv  
 RT: 5.558 min Scan# 80  
 Delta R.T. 0.026 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0725ABS01

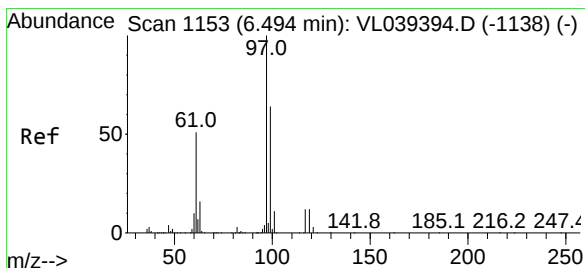
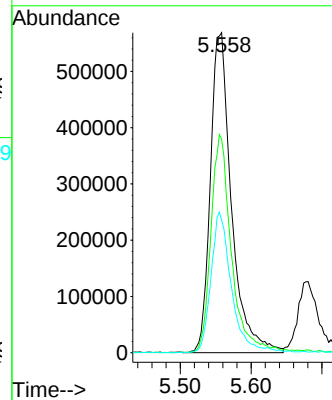
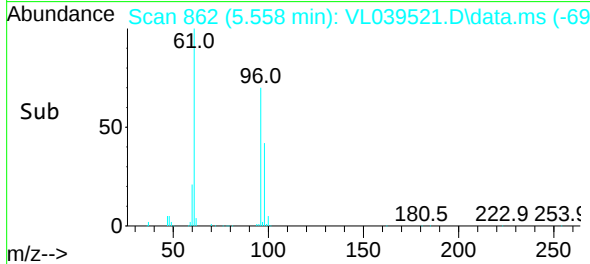


Tgt Ion: 61 Resp: 117723

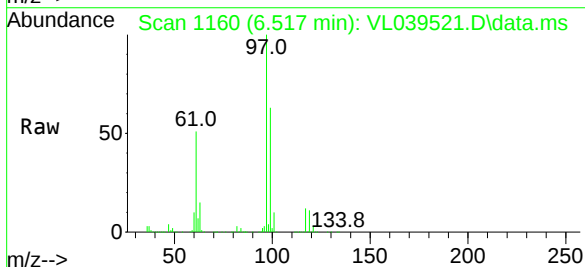
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 61  | 100   |       |       |
| 96  | 66.6  | 54.1  | 81.1  |
| 98  | 41.3  | 34.6  | 52.0  |

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Reviewed By :Semsettin Yesilyurt 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022

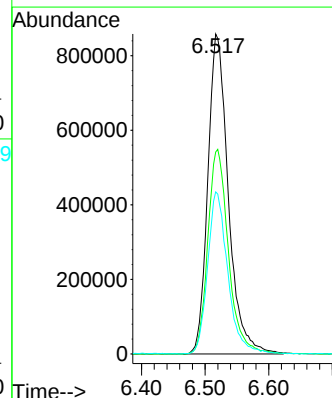
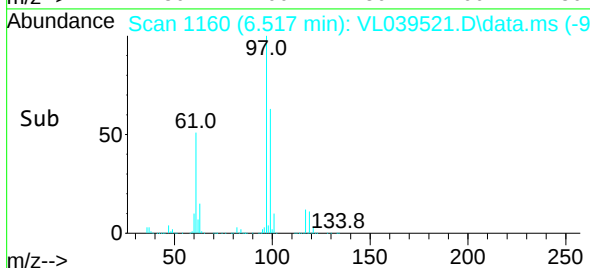


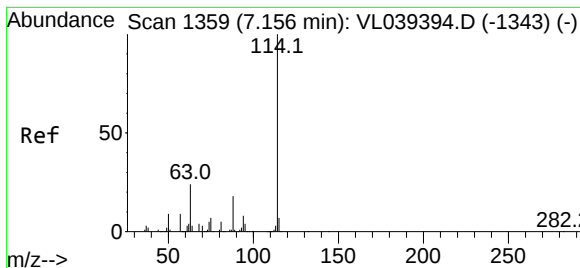
#32  
 1,1,1-Trichloroethane  
 Concen: 10.803 ppbv  
 RT: 6.517 min Scan# 1160  
 Delta R.T. 0.022 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15



Tgt Ion: 97 Resp: 1923765

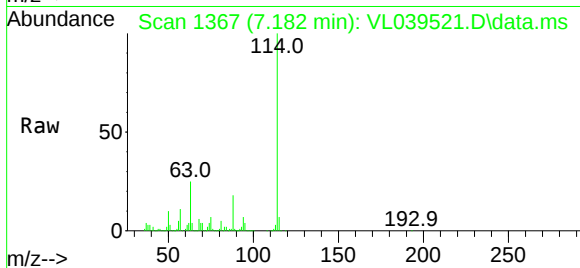
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.5  | 52.3  | 78.5  |
| 61  | 49.9  | 40.9  | 61.3  |





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.182 min Scan# 114  
Delta R.T. 0.026 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

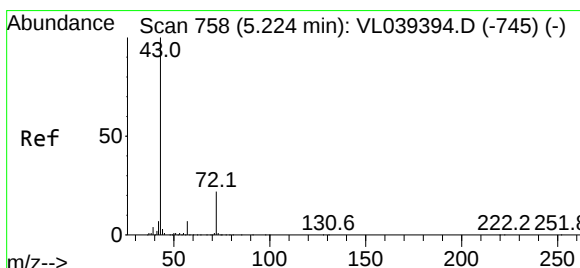
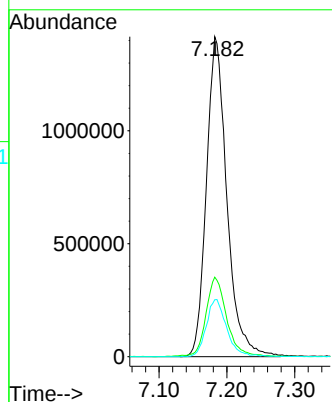
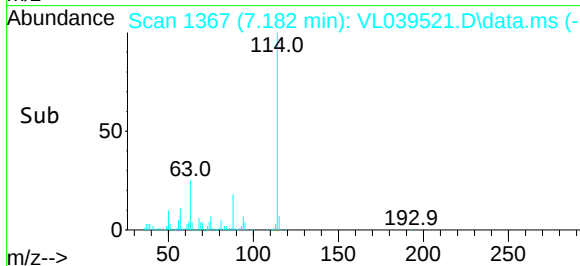
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



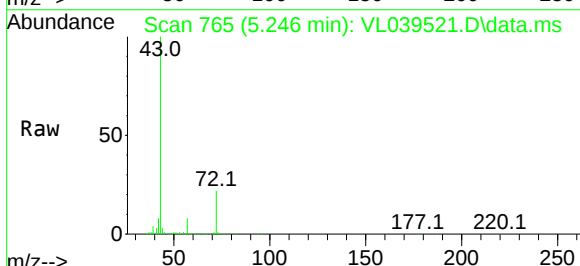
Tgt Ion:114 Resp: 296855  
Ion Ratio Lower Upper  
114 100  
63 25.2 20.2 30.4  
88 18.0 14.5 21.7

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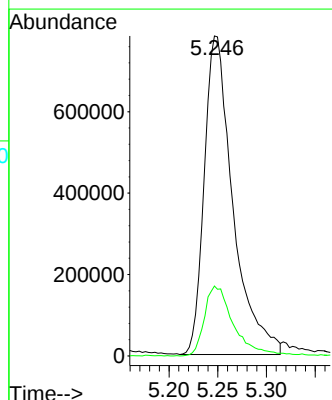
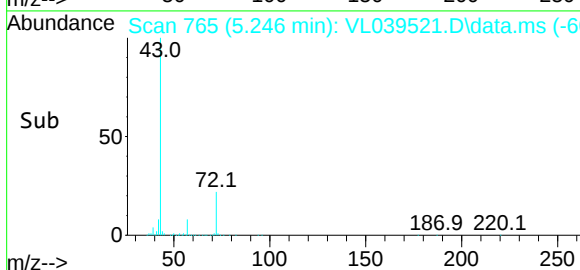
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

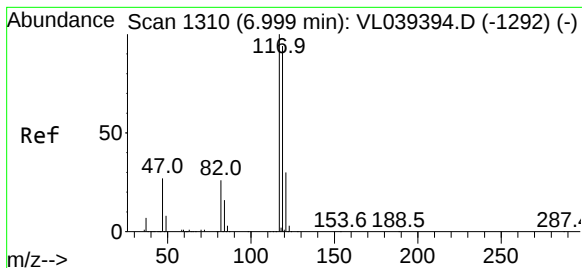


#34  
2-Butanone  
Concen: 10.720 ppbv  
RT: 5.246 min Scan# 765  
Delta R.T. 0.022 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15



Tgt Ion: 43 Resp: 1601955  
Ion Ratio Lower Upper  
43 100  
72 23.0 17.9 26.9





#35

Carbon Tetrachloride

Concen: 11.142 ppbv

RT: 7.025 min Scan# 11

Delta R.T. 0.026 min

Lab File: VL039521.D

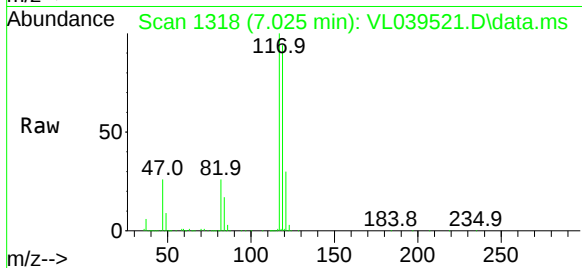
Acq: 25 Jul 2022 15:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0725ABS01



Tgt Ion: 117 Resp: 204383

Ion Ratio Lower Upper

117 100

119 93.8 75.4 113.2

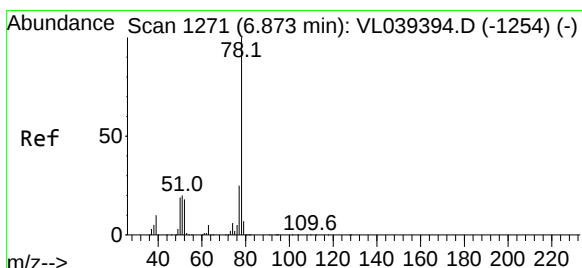
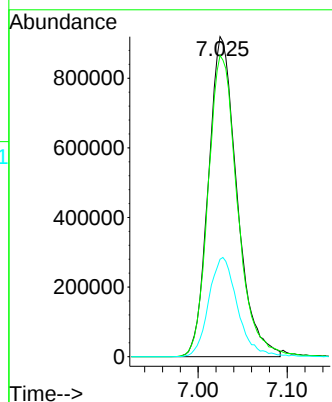
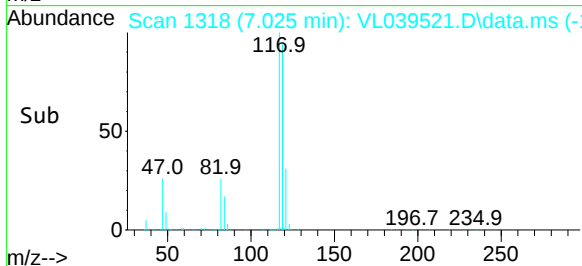
121 30.4 24.2 36.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2022

Supervised By :Mahesh Dadoda 07/26/2022



#36

Benzene

Concen: 10.488 ppbv

RT: 6.899 min Scan# 1279

Delta R.T. 0.026 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

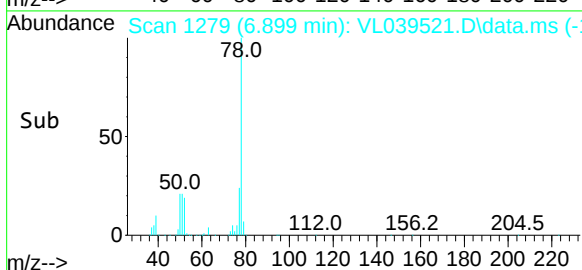
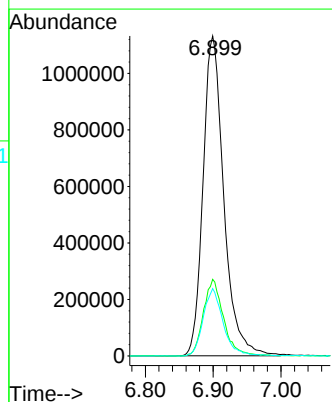
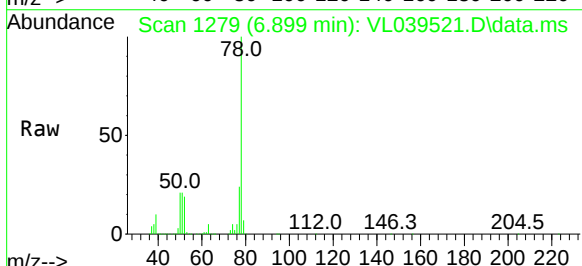
Tgt Ion: 78 Resp: 2409767

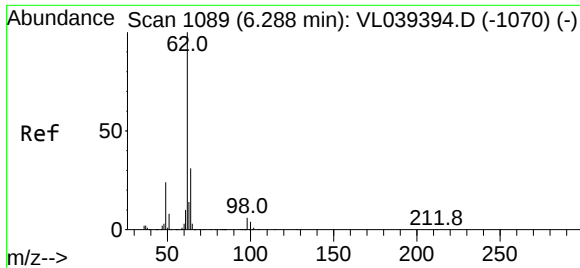
Ion Ratio Lower Upper

78 100

77 23.9 20.3 30.5

50 21.1 15.5 23.3





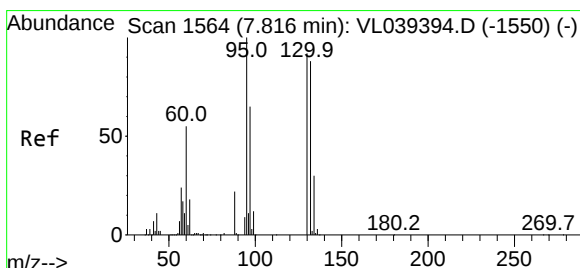
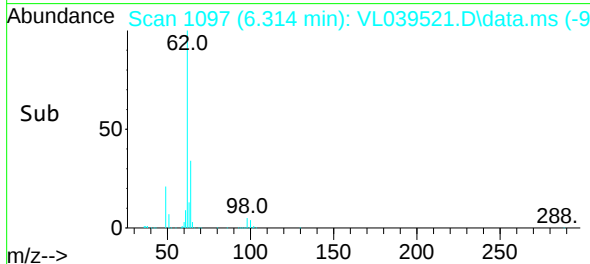
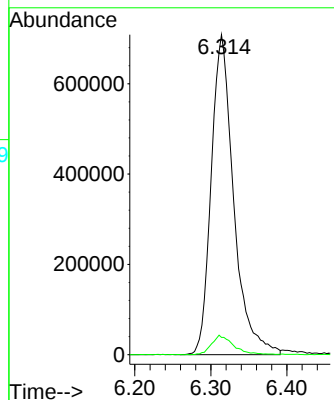
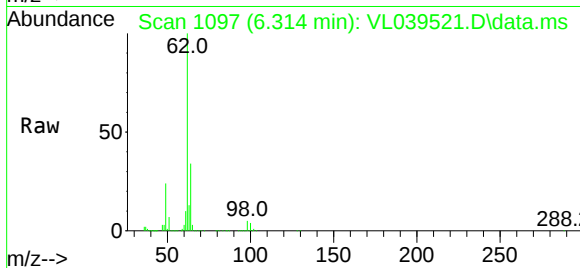
#37  
1,2-Dichloroethane  
Concen: 10.742 ppbv  
RT: 6.314 min Scan# 1089  
Delta R.T. 0.026 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01

Tgt Ion: 62 Resp: 145666  
Ion Ratio Lower Upper  
62 100  
98 6.1 5.1 7.7

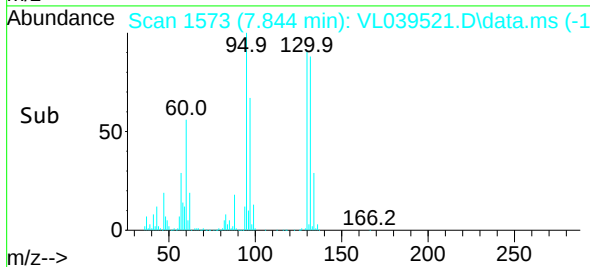
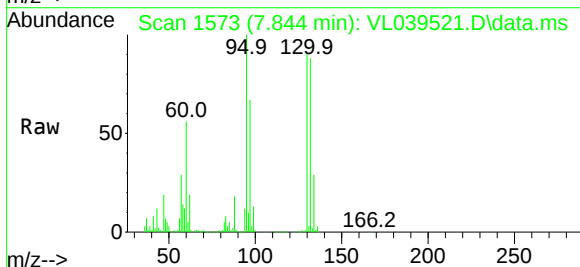
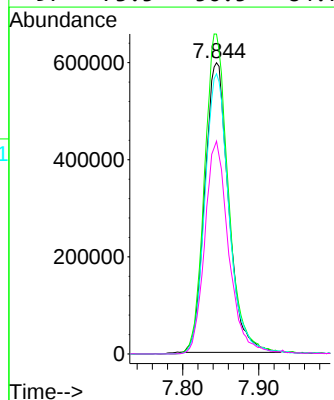
Manual Integrations  
APPROVED

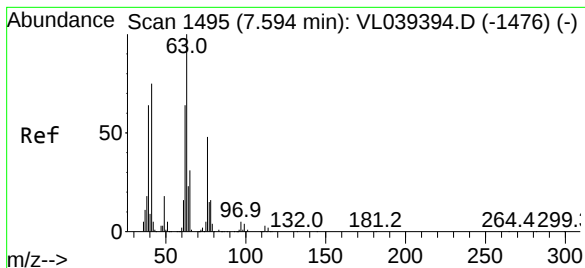
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#38  
Trichloroethene  
Concen: 10.401 ppbv  
RT: 7.844 min Scan# 1573  
Delta R.T. 0.029 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

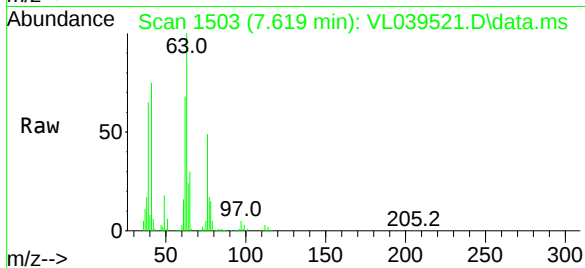
Tgt Ion:130 Resp: 1292471  
Ion Ratio Lower Upper  
130 100  
95 110.2 87.3 130.9  
132 96.5 76.7 115.1  
97 73.5 56.5 84.7





#39  
1,2-Dichloropropane  
Concen: 10.284 ppbv  
RT: 7.619 min Scan# 11  
Delta R.T. 0.026 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

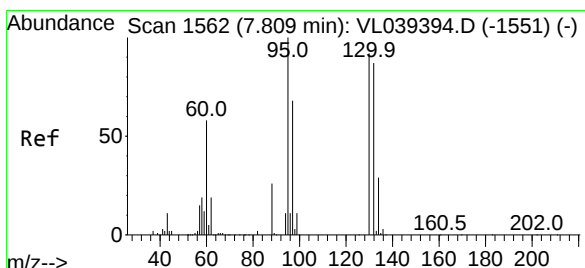
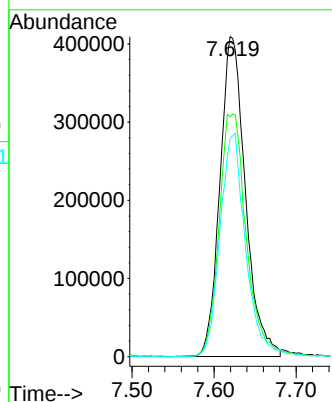
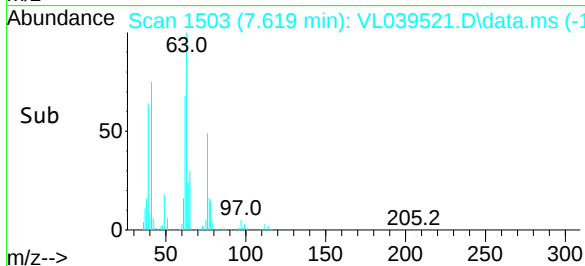
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



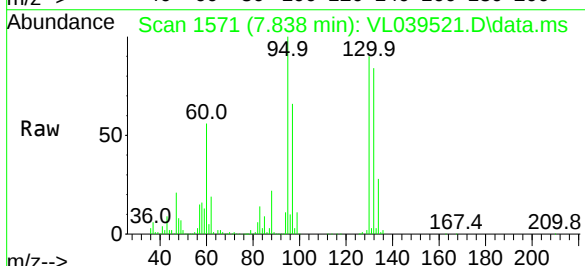
Tgt Ion: 63 Resp: 882723  
Ion Ratio Lower Upper  
63 100  
41 74.9 59.6 89.4  
62 68.3 51.4 77.0

Manual Integrations  
APPROVED

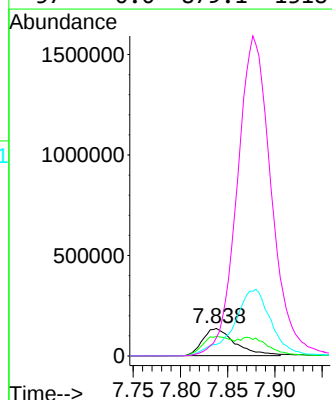
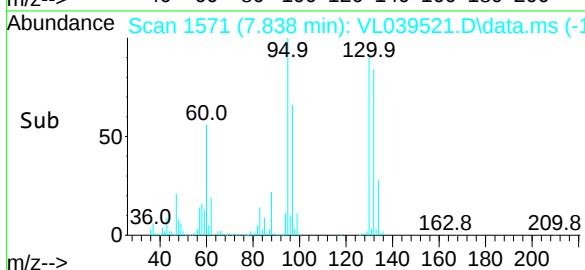
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

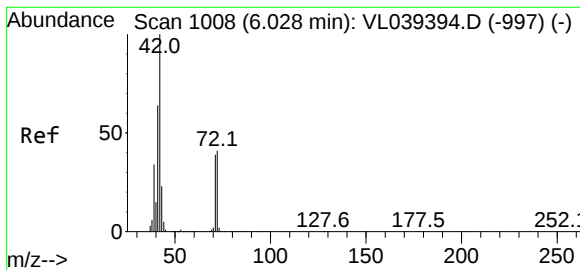


#40  
1,4-Dioxane  
Concen: 9.488 ppbv  
RT: 7.838 min Scan# 1571  
Delta R.T. 0.029 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15



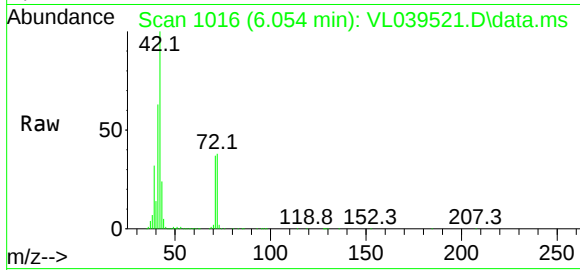
Tgt Ion: 88 Resp: 324518  
Ion Ratio Lower Upper  
88 100  
58 63.7 100.2 150.4#  
43 0.0 205.8 308.6#  
57 0.0 879.1 1318.7#





#41  
Tetrahydrofuran  
Concen: 10.576 ppbv  
RT: 6.054 min Scan# 1008  
Delta R.T. 0.026 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

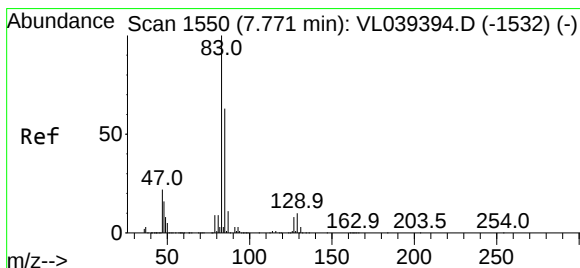
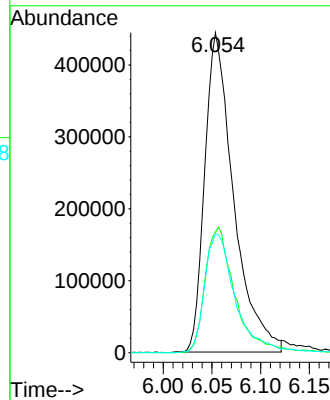
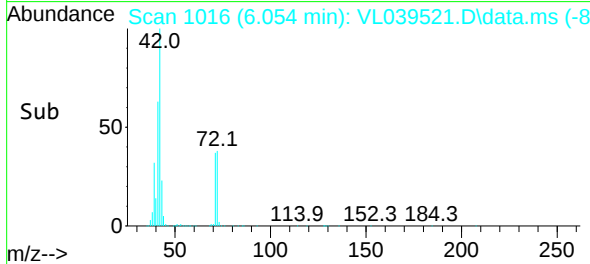
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



Tgt Ion: 42 Resp: 915864  
Ion Ratio Lower Upper  
42 100  
72 41.1 31.8 47.8  
71 39.9 31.8 47.8

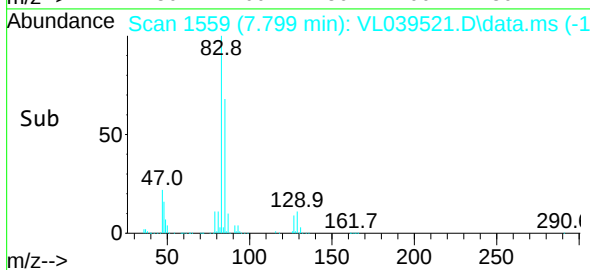
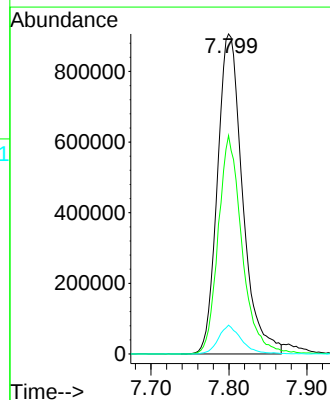
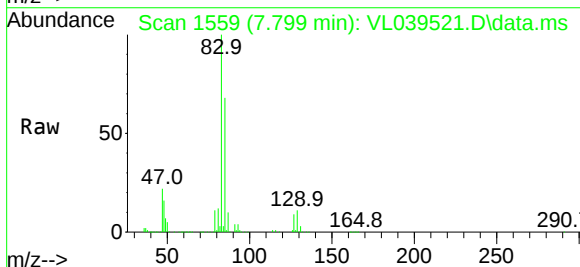
Manual Integrations  
APPROVED

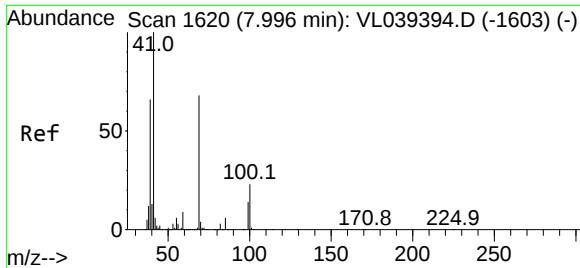
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#42  
Bromodichloromethane  
Concen: 11.102 ppbv  
RT: 7.799 min Scan# 1559  
Delta R.T. 0.029 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

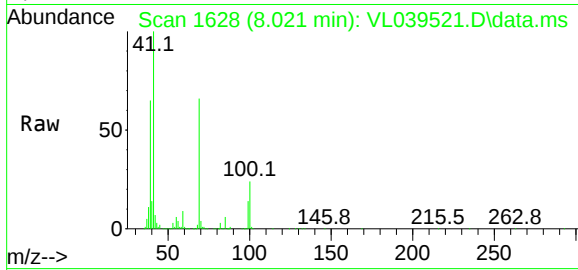
Tgt Ion: 83 Resp: 2030048  
Ion Ratio Lower Upper  
83 100  
85 68.2 50.7 76.1  
127 9.0 6.6 9.8





#43  
Methyl Methacrylate  
Concen: 11.272 ppbv  
RT: 8.021 min Scan# 10  
Delta R.T. 0.026 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

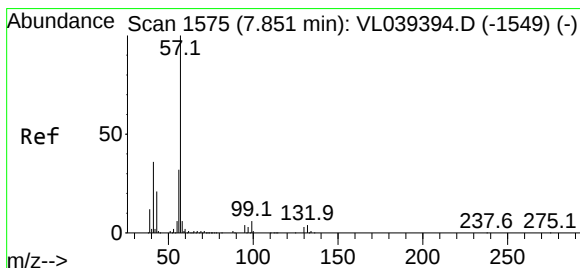
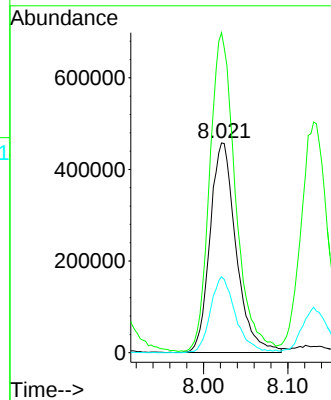
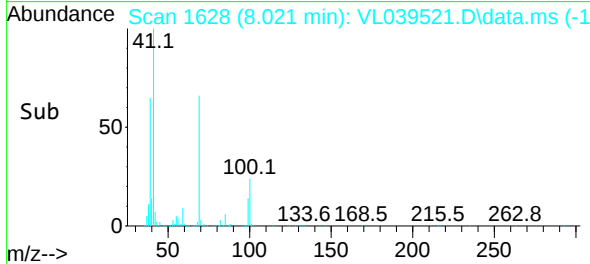
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



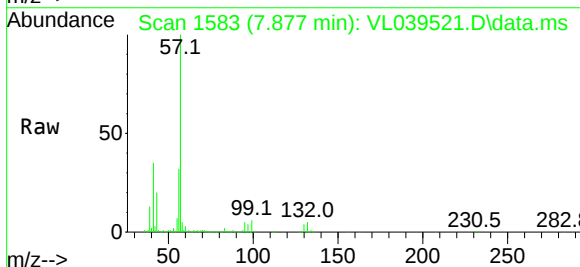
Tgt Ion: 69 Resp: 984692  
Ion Ratio Lower Upper  
69 100  
41 151.3 120.8 181.2  
100 34.8 27.8 41.6

Manual Integrations  
APPROVED

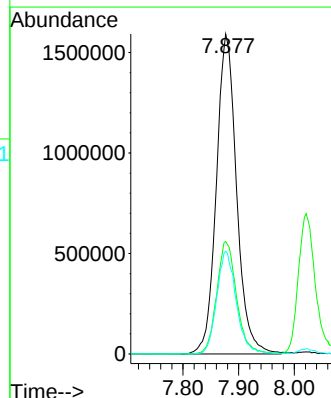
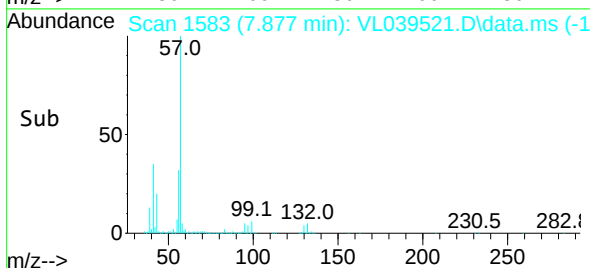
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

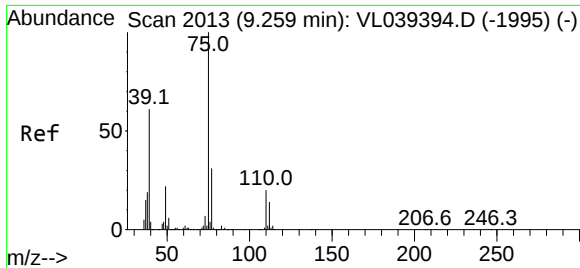


#44  
2,2,4-Trimethylpentane  
Concen: 10.323 ppbv  
RT: 7.877 min Scan# 1583  
Delta R.T. 0.026 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15



Tgt Ion: 57 Resp: 4019239  
Ion Ratio Lower Upper  
57 100  
41 34.5 27.4 41.2  
56 31.0 24.5 36.7





#45  
 t-1,3-Dichloropropene  
 Concen: 13.148 ppbv  
 RT: 9.285 min Scan# 2013  
 Delta R.T. 0.026 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

Instrument :

MSVOA\_L

ClientSampleId :

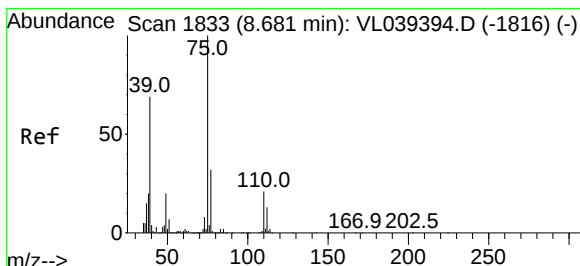
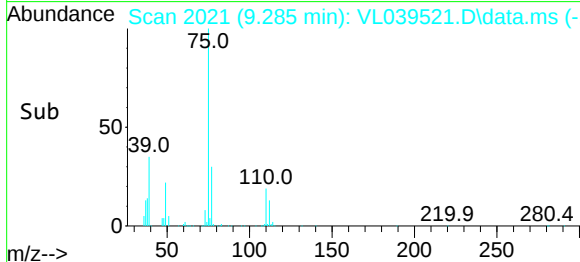
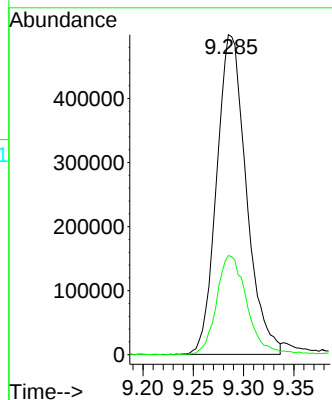
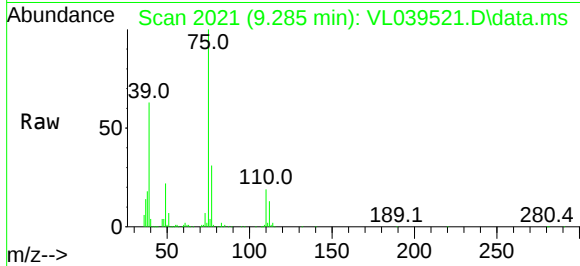
VL0725ABS01

Tgt Ion: 75 Resp: 102270  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 24.6 36.8

Manual Integrations

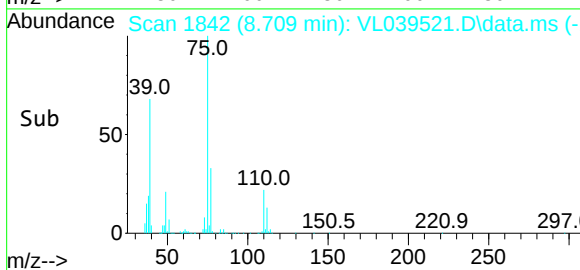
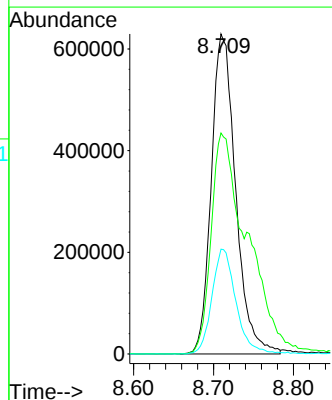
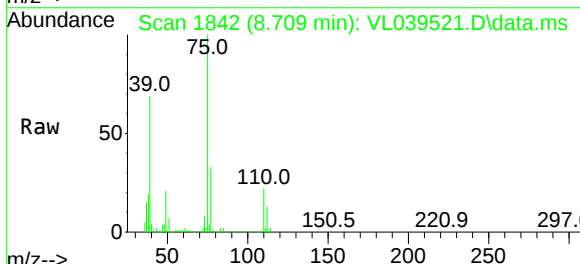
APPROVED

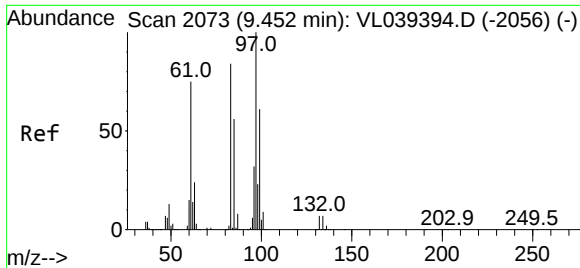
Reviewed By :Semsettin Yesilyurt 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022



#46  
 cis-1,3-Dichloropropene  
 Concen: 12.425 ppbv  
 RT: 8.709 min Scan# 1842  
 Delta R.T. 0.029 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

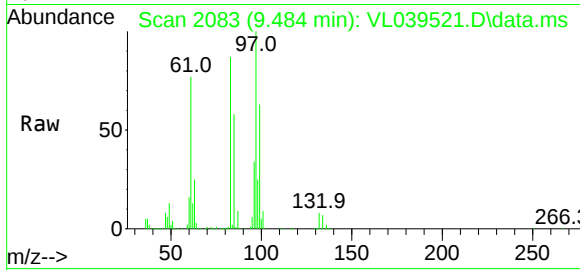
Tgt Ion: 75 Resp: 1330191  
 Ion Ratio Lower Upper  
 75 100  
 39 69.0 55.0 82.4  
 77 32.7 25.7 38.5





#47  
1,1,2-Trichloroethane  
Concen: 10.512 ppbv  
RT: 9.484 min Scan# 2073  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

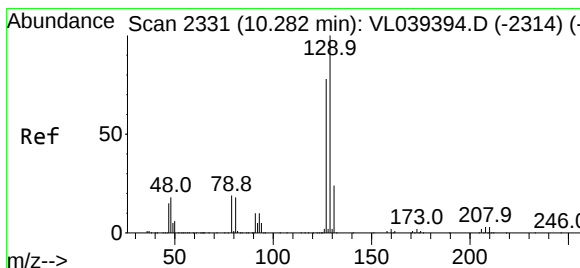
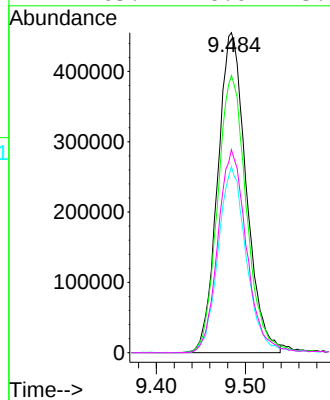
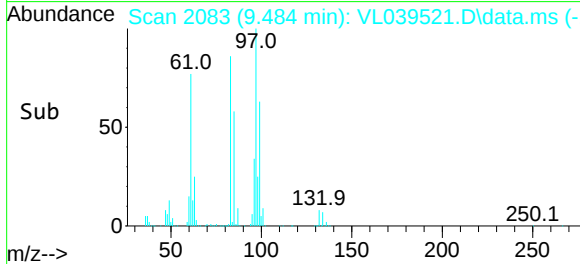
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



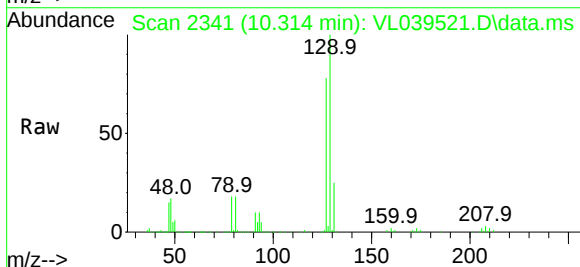
Tgt Ion: 97 Resp: 1012374  
Ion Ratio Lower Upper  
97 100  
83 86.5 67.4 101.0  
85 58.1 45.1 67.7  
99 63.4 48.6 73.0

Manual Integrations  
APPROVED

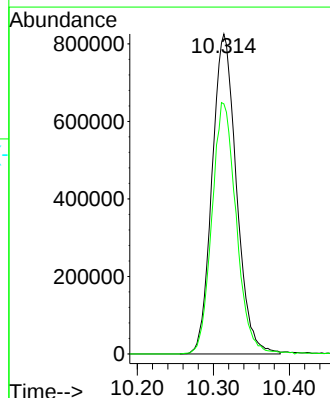
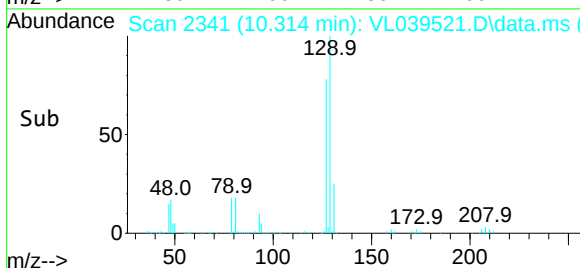
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

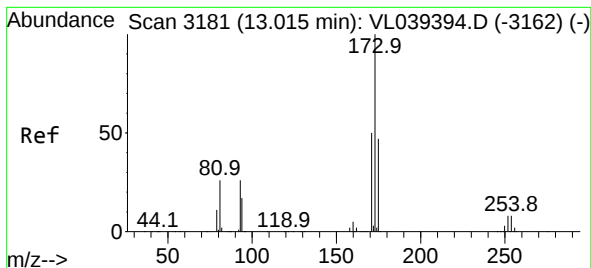


#48  
Dibromochloromethane  
Concen: 11.982 ppbv  
RT: 10.314 min Scan# 2341  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15



Tgt Ion:129 Resp: 1834116  
Ion Ratio Lower Upper  
129 100  
127 78.9 39.3 117.9





#49

Bromoform

Concen: 12.622 ppbv

RT: 13.050 min Scan# 3181

Delta R.T. 0.035 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0725ABS01

Tgt Ion:173 Resp: 1558619

Ion Ratio Lower Upper

173 100

175 49.8 40.3 60.5

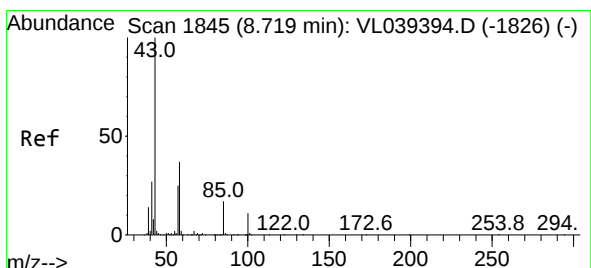
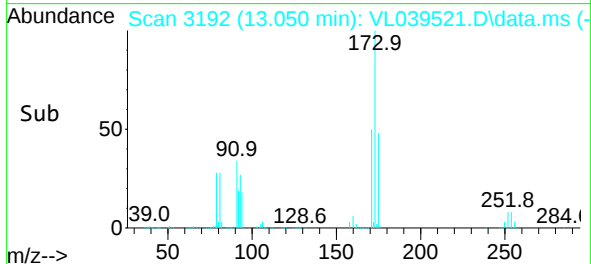
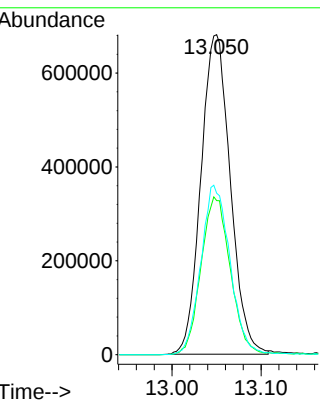
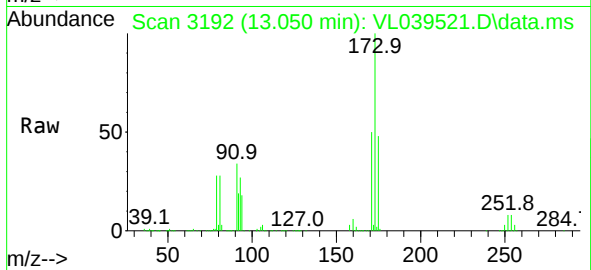
171 53.1 42.9 64.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2022

Supervised By :Mahesh Dadoda 07/26/2022



#50

4-Methyl-2-Pentanone

Concen: 11.298 ppbv

RT: 8.748 min Scan# 1854

Delta R.T. 0.029 min

Lab File: VL039521.D

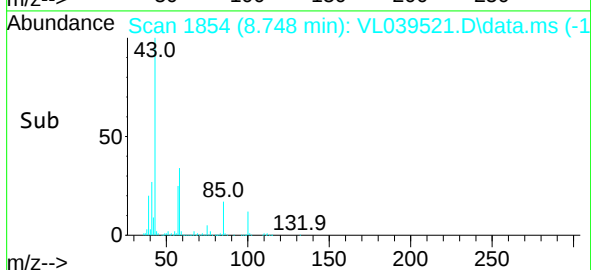
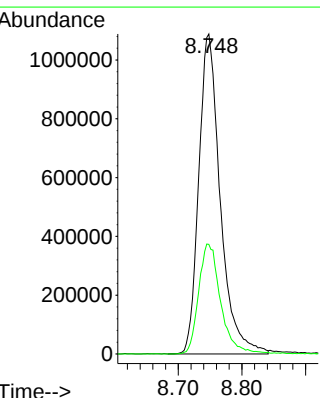
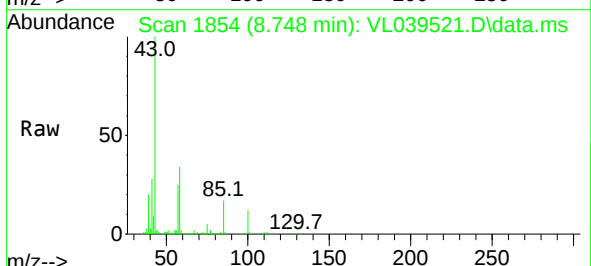
Acq: 25 Jul 2022 15:15

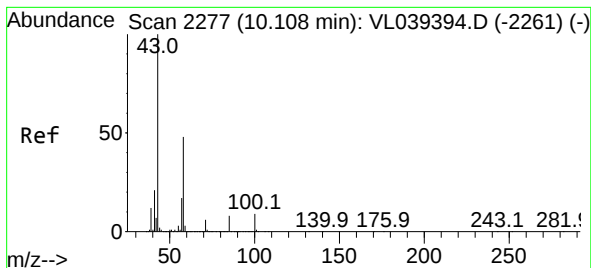
Tgt Ion: 43 Resp: 2552837

Ion Ratio Lower Upper

43 100

58 35.5 28.8 43.2





#51

2-Hexanone

Concen: 11.813 ppbv

RT: 10.140 min Scan# 201898

Delta R.T. 0.032 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0725ABS01

Tgt Ion: 43 Resp: 201898

Ion Ratio Lower Upper

43 100

58 47.2 38.4 57.6

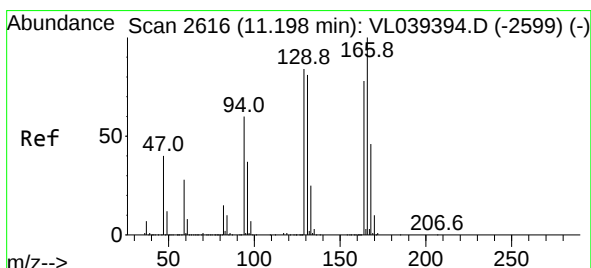
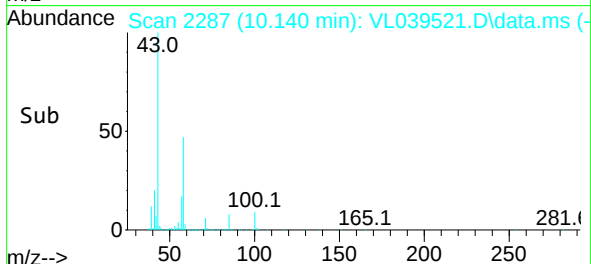
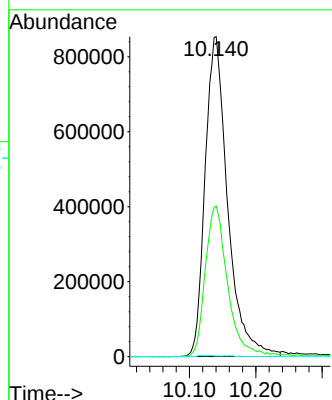
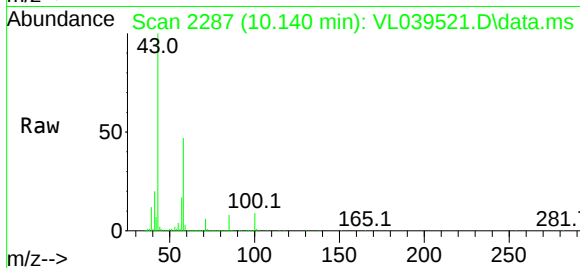
98 0.4 0.3 0.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2022

Supervised By :Mahesh Dadoda 07/26/2022



#52

Tetrachloroethene

Concen: 10.370 ppbv

RT: 11.230 min Scan# 2626

Delta R.T. 0.032 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

Tgt Ion:164 Resp: 959149

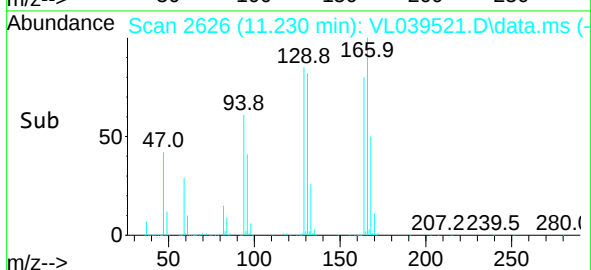
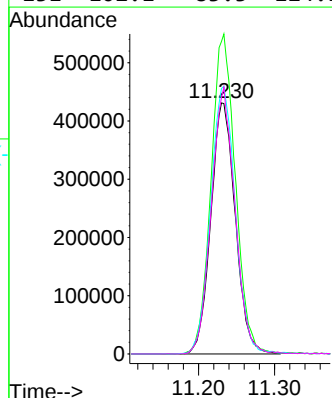
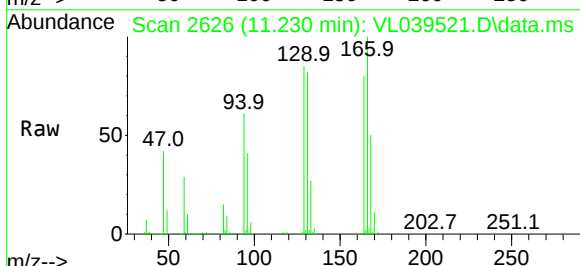
Ion Ratio Lower Upper

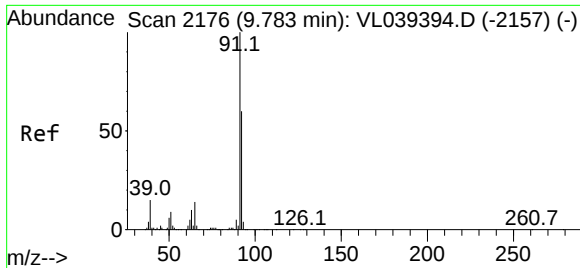
164 100

166 124.5 102.2 153.2

129 105.6 85.8 128.8

131 102.1 83.3 124.9





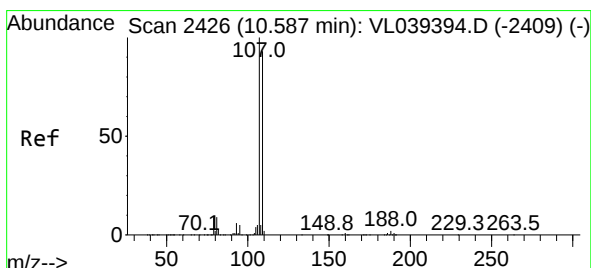
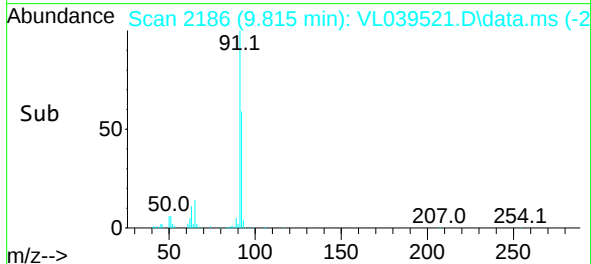
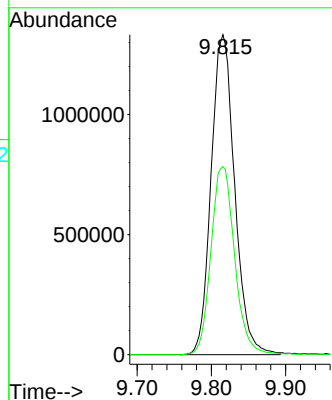
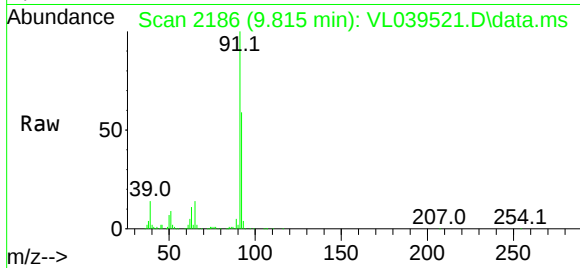
#53  
Toluene  
Concen: 11.072 ppbv  
RT: 9.815 min Scan# 2176  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01

Tgt Ion: 91 Resp: 293434  
Ion Ratio Lower Upper  
91 100  
92 59.5 48.2 72.2

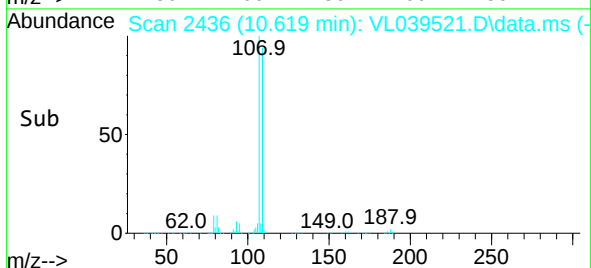
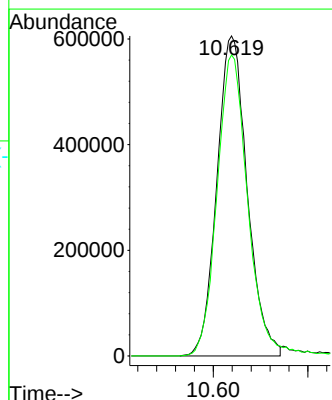
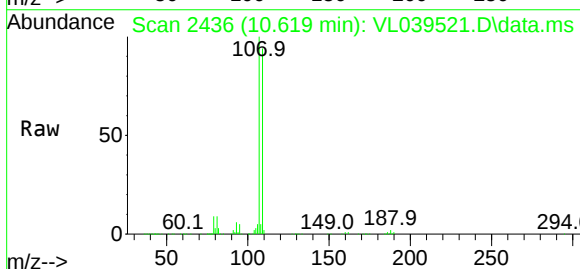
Manual Integrations  
APPROVED

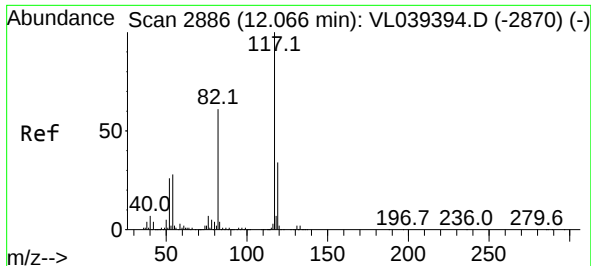
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#54  
1,2-Dibromoethane  
Concen: 11.276 ppbv  
RT: 10.619 min Scan# 2436  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Tgt Ion:107 Resp: 1351230  
Ion Ratio Lower Upper  
107 100  
109 94.0 74.8 112.2





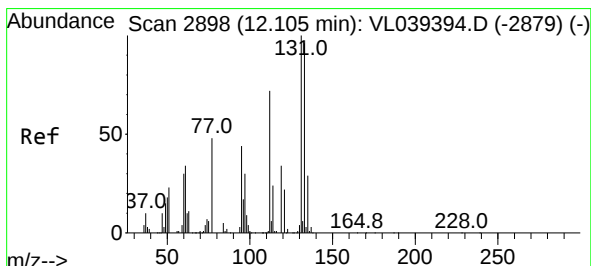
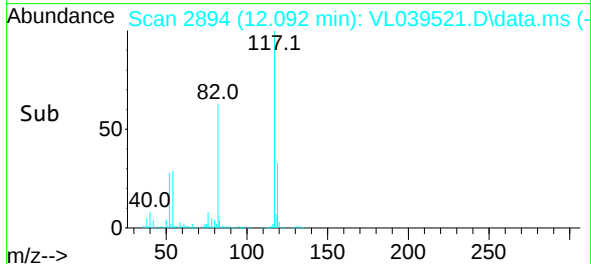
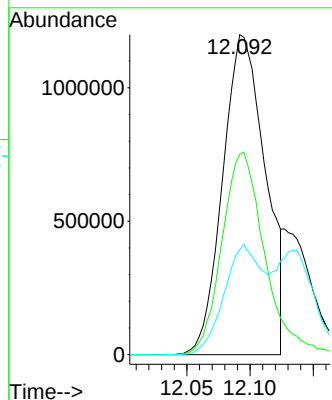
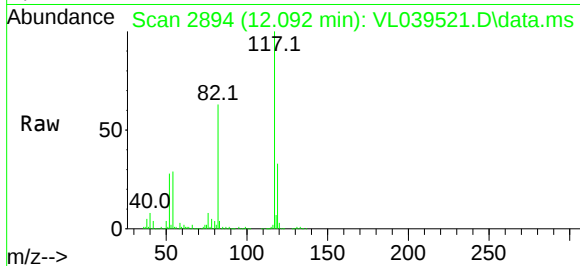
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 12.092 min Scan# 2886  
Delta R.T. 0.026 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01

Tgt Ion:117 Resp: 2807298  
Ion Ratio Lower Upper  
117 100  
82 64.4 50.8 76.2  
119 33.4 24.1 36.1

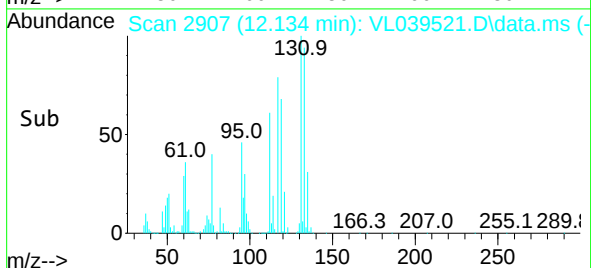
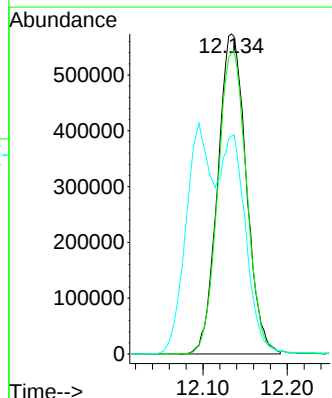
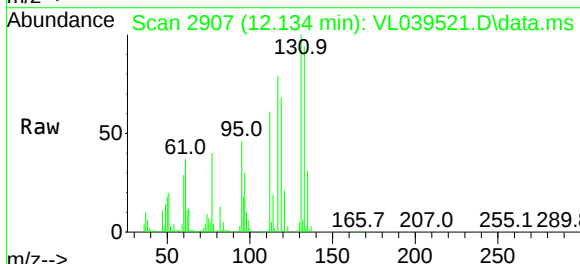
Manual Integrations  
APPROVED

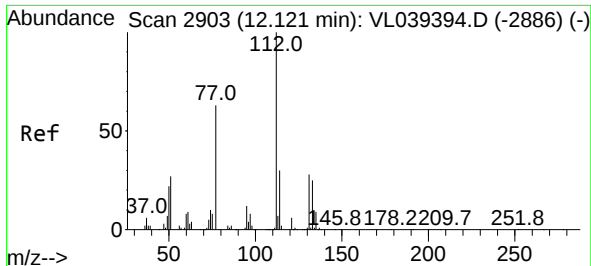
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.850 ppbv  
RT: 12.134 min Scan# 2907  
Delta R.T. 0.029 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Tgt Ion:131 Resp: 1345533  
Ion Ratio Lower Upper  
131 100  
133 96.1 76.8 115.2  
119 67.3 46.2 69.4





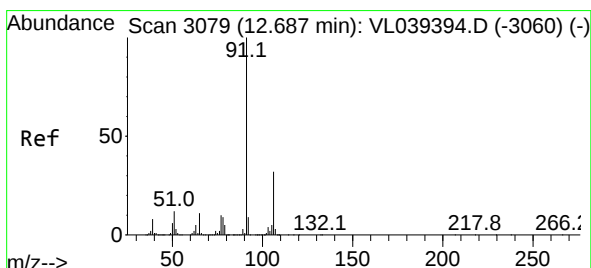
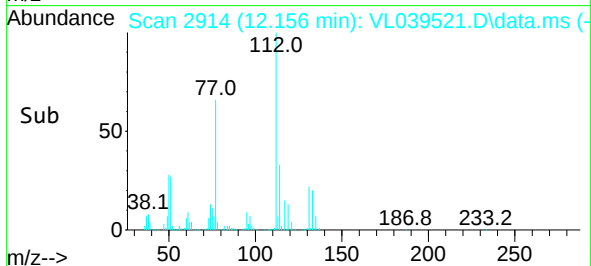
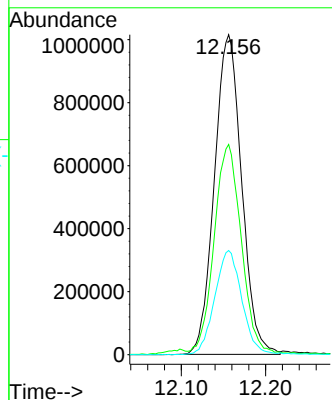
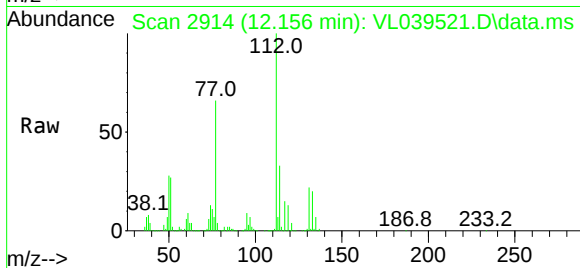
#57  
Chlorobenzene  
Concen: 10.473 ppbv  
RT: 12.156 min Scan# 2914  
Delta R.T. 0.035 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01

Tgt Ion:112 Resp: 2279452  
Ion Ratio Lower Upper  
112 100  
77 65.0 51.0 76.4  
114 32.5 27.5 33.6

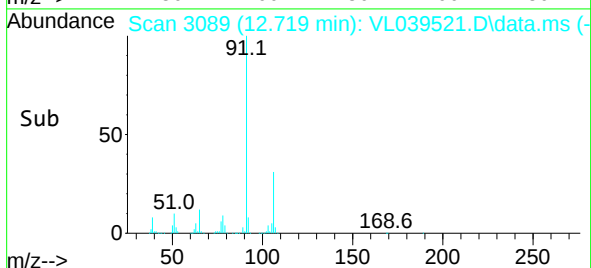
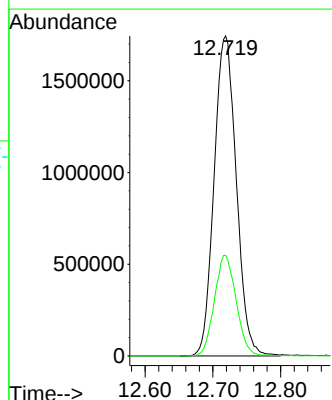
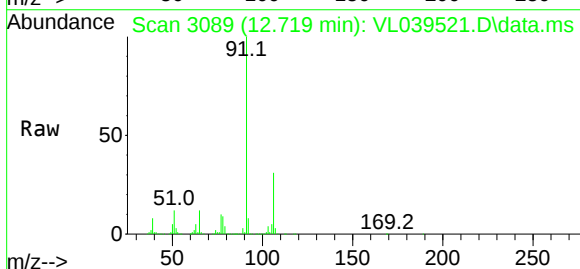
Manual Integrations  
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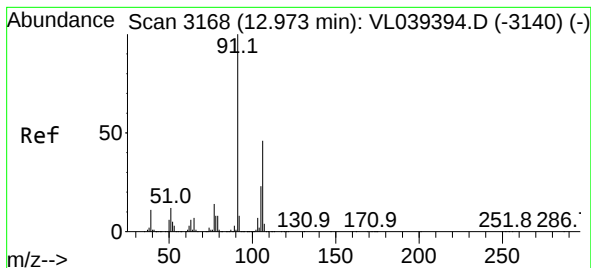
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#58  
Ethyl Benzene  
Concen: 10.950 ppbv  
RT: 12.719 min Scan# 3089  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

Tgt Ion: 91 Resp: 3969132  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.4 38.0





#59

m/p-Xylene

Concen: 21.676 ppbv m

RT: 13.005 min Scan# 3168

Delta R.T. 0.032 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0725ABS01

Tgt Ion: 91 Resp: 692726

Ion Ratio Lower Upper

91 100

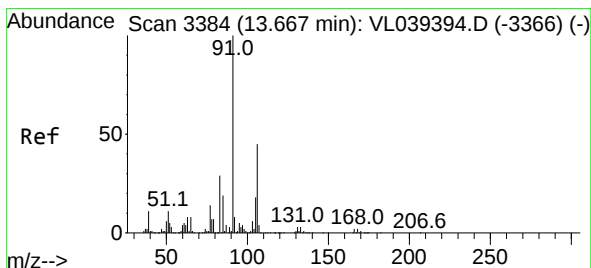
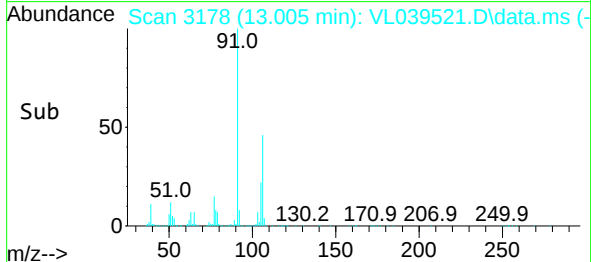
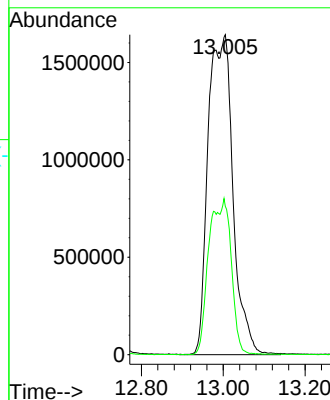
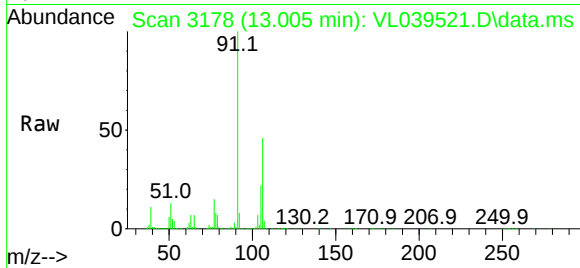
106 44.2 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2022

Supervised By :Mahesh Dadoda 07/26/2022



#60

o-Xylene

Concen: 10.970 ppbv

RT: 13.696 min Scan# 3393

Delta R.T. 0.029 min

Lab File: VL039521.D

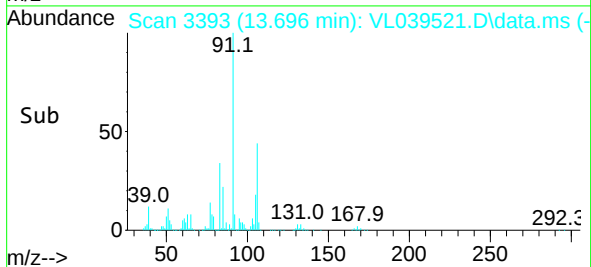
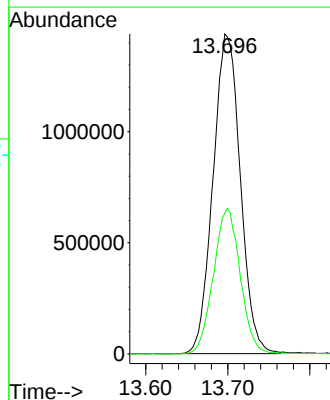
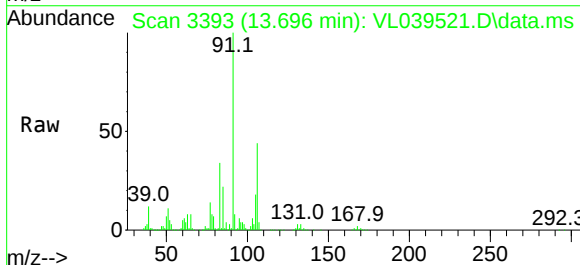
Acq: 25 Jul 2022 15:15

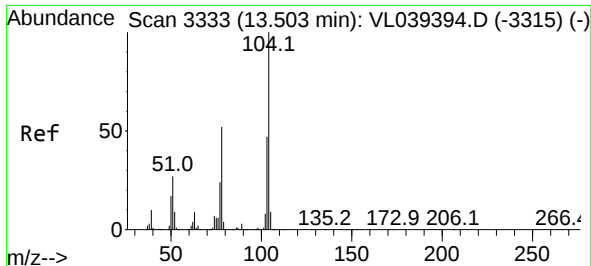
Tgt Ion: 91 Resp: 3319825

Ion Ratio Lower Upper

91 100

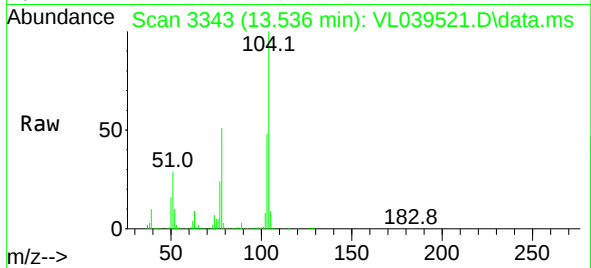
106 44.9 22.4 67.3





#61  
Styrene  
Concen: 12.205 ppbv  
RT: 13.536 min Scan# 31  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

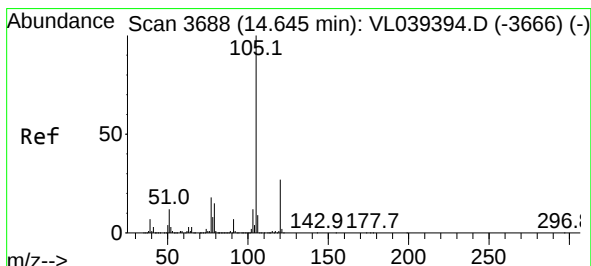
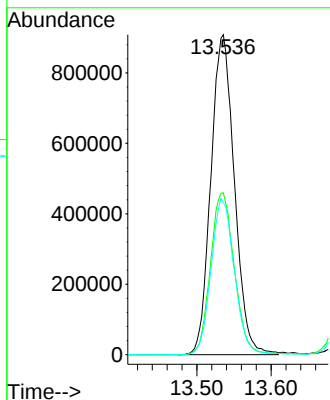
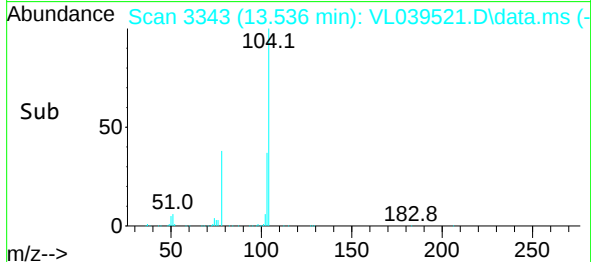
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



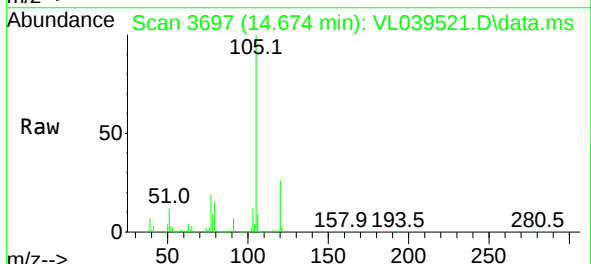
Tgt Ion:104 Resp: 2000672  
Ion Ratio Lower Upper  
104 100  
78 51.6 41.2 61.8  
103 48.6 38.7 58.1

Manual Integrations  
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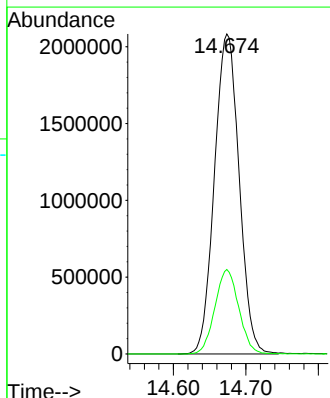
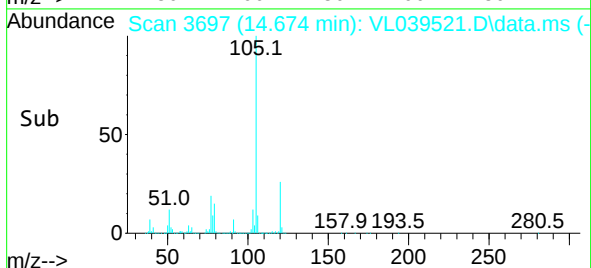
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

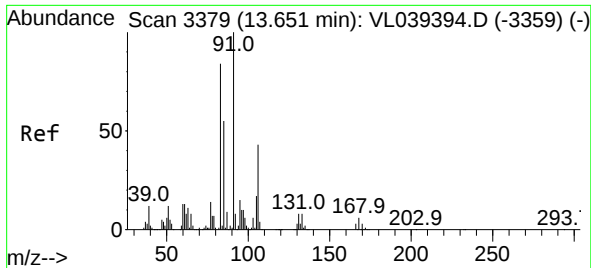


#62  
Isopropylbenzene  
Concen: 10.689 ppbv  
RT: 14.674 min Scan# 3697  
Delta R.T. 0.029 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15



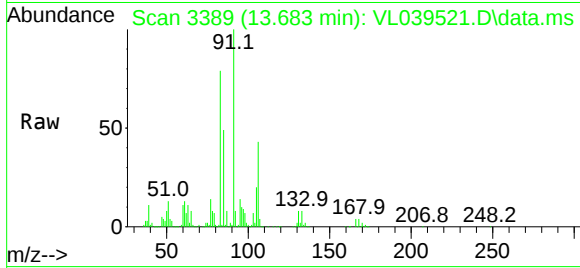
Tgt Ion:105 Resp: 4925894  
Ion Ratio Lower Upper  
105 100  
120 25.6 20.7 31.1





#63  
1,1,2,2-Tetrachloroethane  
Concen: 9.884 ppbv  
RT: 13.683 min Scan# 31  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

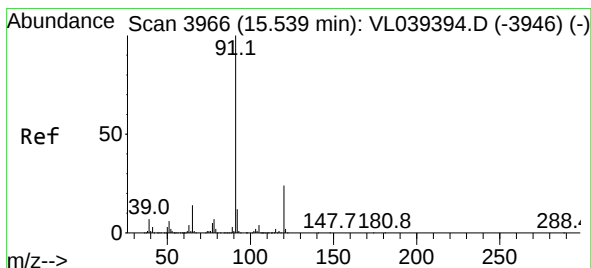
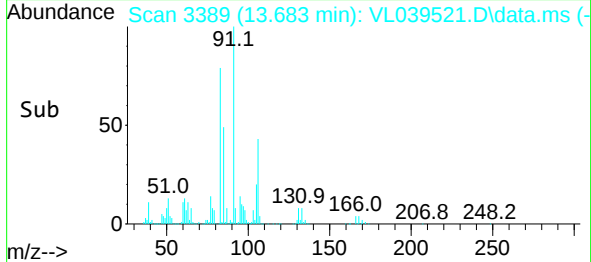
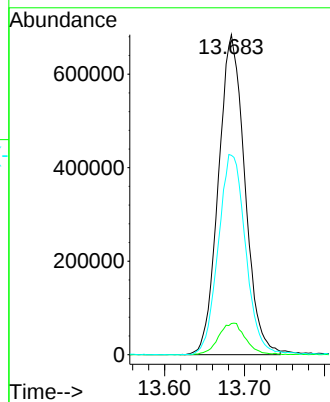
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



Tgt Ion: 83 Resp: 1567729  
Ion Ratio Lower Upper  
83 100  
131 10.2 5.3 15.8  
85 65.2 33.1 99.5

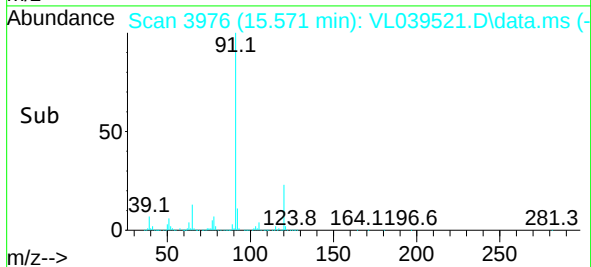
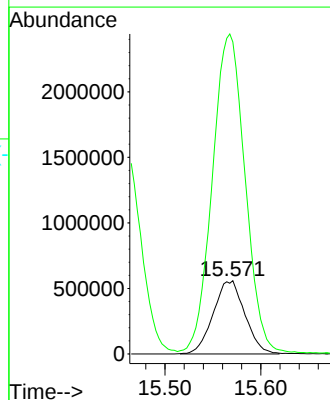
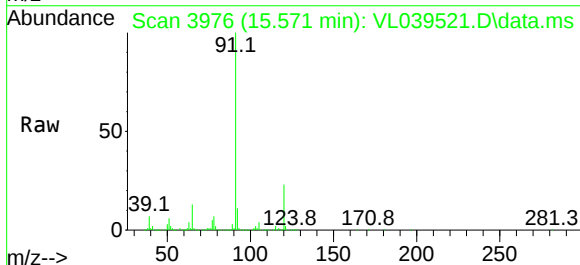
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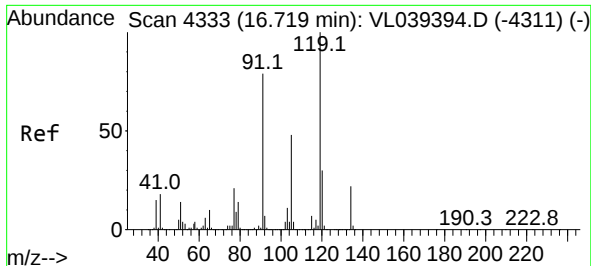
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022



#64  
n-propylbenzene  
Concen: 10.981 ppbv m  
RT: 15.571 min Scan# 3976  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

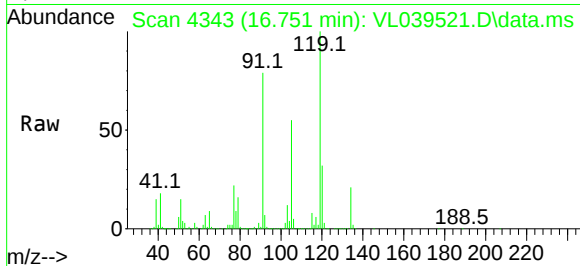
Tgt Ion:120 Resp: 1282603  
Ion Ratio Lower Upper  
120 100  
91 286.8 367.2 550.8#





#65  
tert-Butylbenzene  
Concen: 10.614 ppbv  
RT: 16.751 min Scan# 4119  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

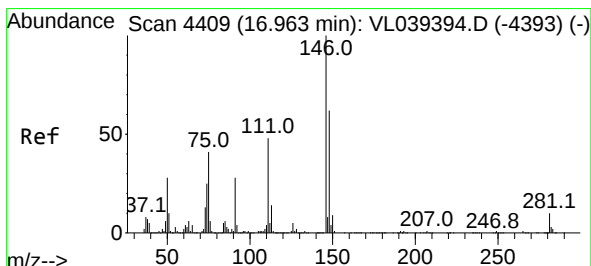
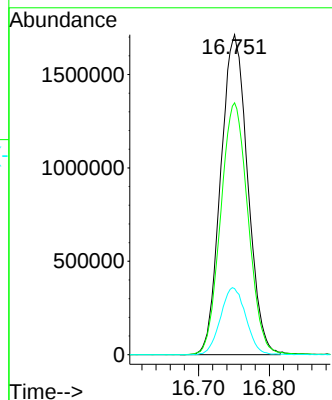
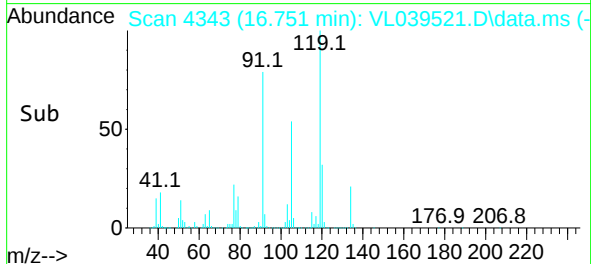
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



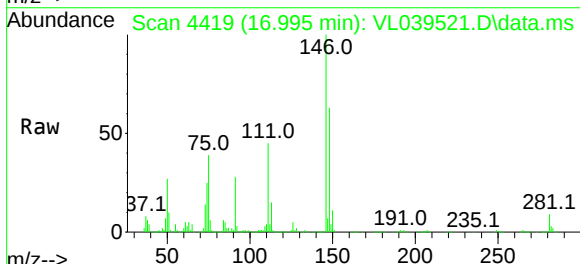
Tgt Ion:119 Resp: 4520074  
Ion Ratio Lower Upper  
119 100  
91 79.9 63.4 95.2  
134 19.8 15.9 23.9

Manual Integrations  
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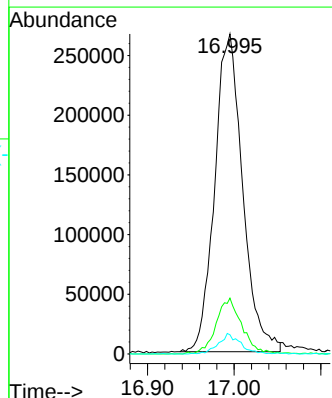
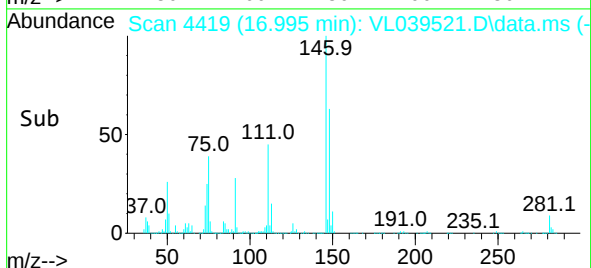
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

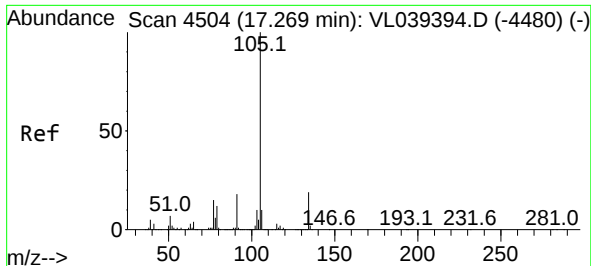


#66  
Benzyl Chloride  
Concen: 14.769 ppbv  
RT: 16.995 min Scan# 4419  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15



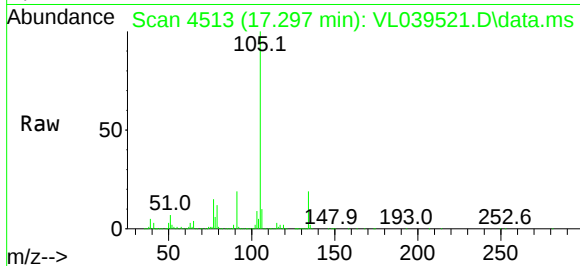
Tgt Ion: 91 Resp: 597670  
Ion Ratio Lower Upper  
91 100  
126 16.3 13.1 19.7  
128 5.2 4.4 6.6





#67  
 sec-Butylbenzene  
 Concen: 10.752 ppbv  
 RT: 17.297 min Scan# 41  
 Delta R.T. 0.029 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

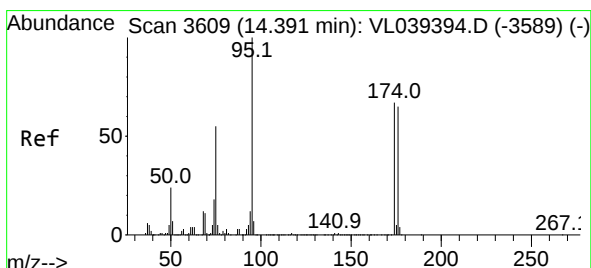
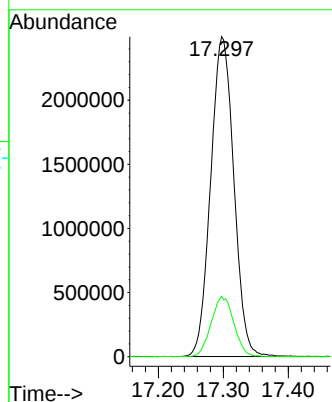
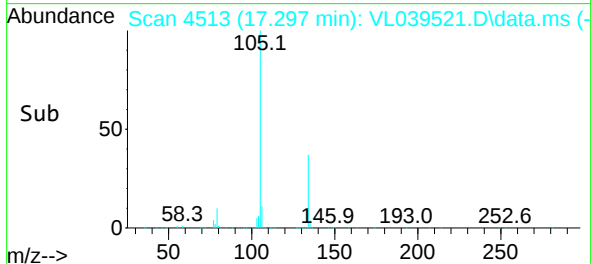
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0725ABS01



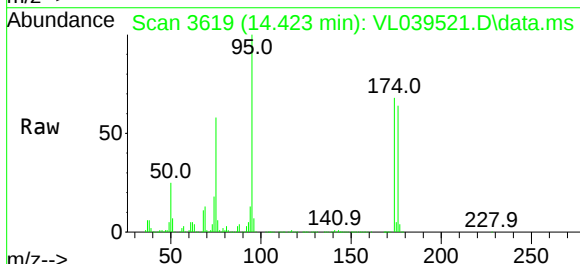
Tgt Ion:105 Resp: 616712  
 Ion Ratio Lower Upper  
 105 100  
 134 18.6 14.8 22.2

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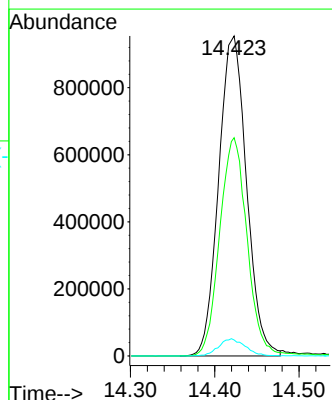
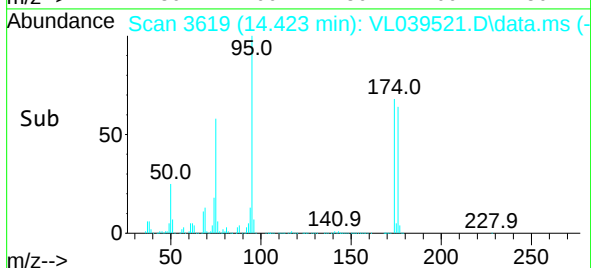
Reviewed By :Semsettin Yesilyurt 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022

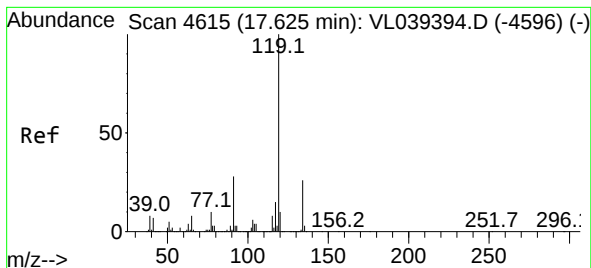


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.532 ppbv  
 RT: 14.423 min Scan# 3619  
 Delta R.T. 0.032 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15



Tgt Ion: 95 Resp: 2193432  
 Ion Ratio Lower Upper  
 95 100  
 174 67.4 55.9 83.9  
 175 5.2 4.2 6.4





#69

p-Isopropyltoluene

Concen: 10.976 ppbv

RT: 17.658 min Scan# 40

Delta R.T. 0.032 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0725ABS01

Tgt Ion:119 Resp: 534171

Ion Ratio Lower Upper

119 100

134 25.3 20.3 30.5

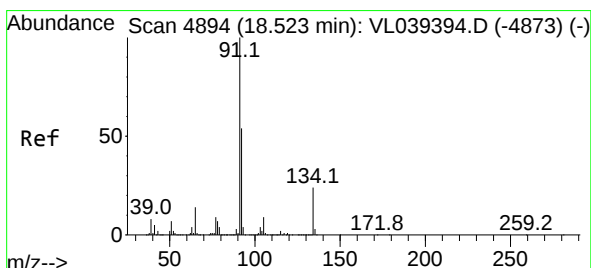
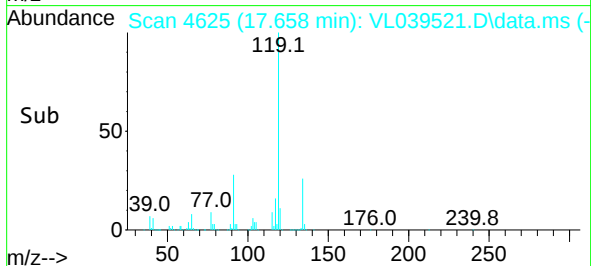
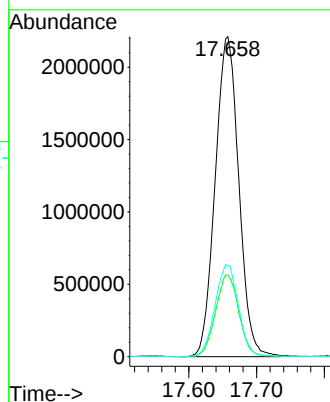
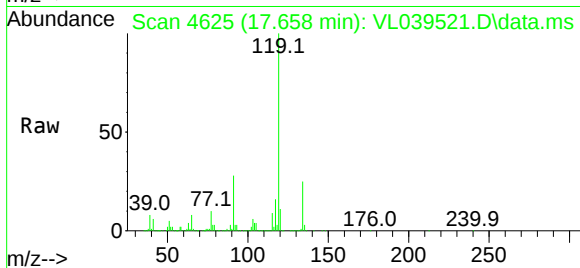
91 28.5 22.9 34.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2022

Supervised By :Mahesh Dadoda 07/26/2022



#70

n-Butylbenzene

Concen: 11.067 ppbv

RT: 18.551 min Scan# 4903

Delta R.T. 0.029 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

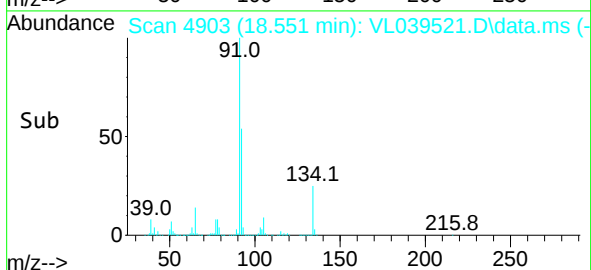
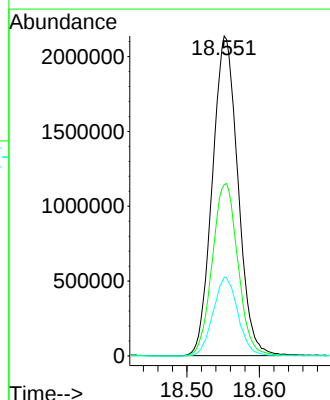
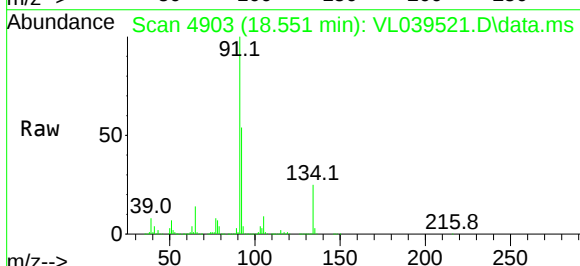
Tgt Ion: 91 Resp: 5227670

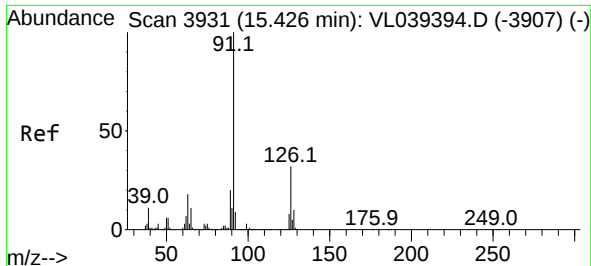
Ion Ratio Lower Upper

91 100

92 54.3 43.4 65.2

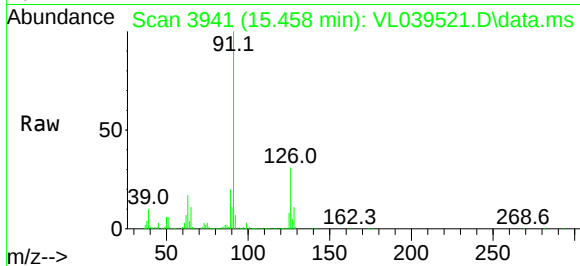
134 24.1 18.9 28.3





#71  
2-Chlorotoluene  
Concen: 11.145 ppbv  
RT: 15.458 min Scan# 3931  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

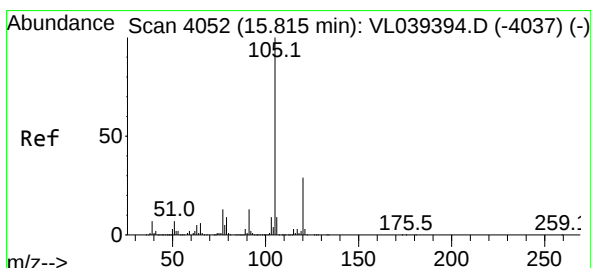
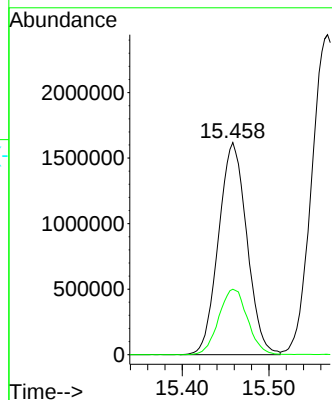
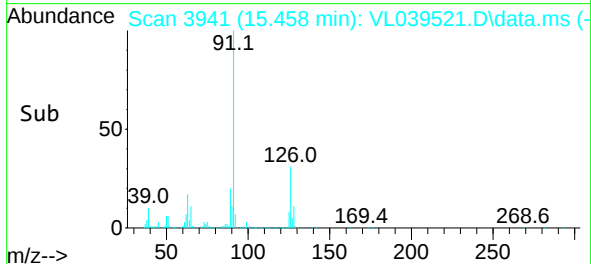
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



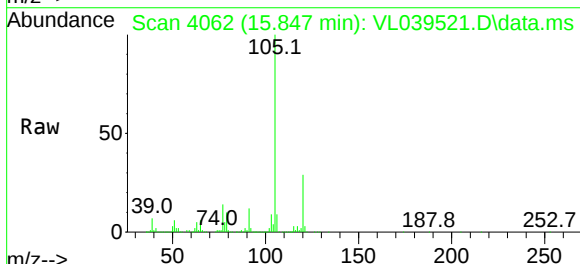
Tgt Ion: 91 Resp: 3676080  
Ion Ratio Lower Upper  
91 100  
126 31.5 13.0 51.8

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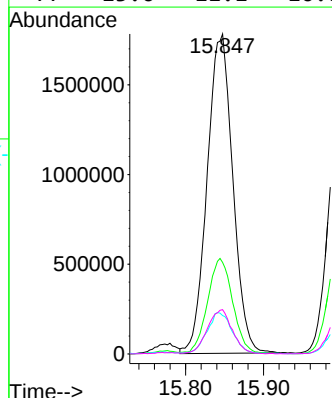
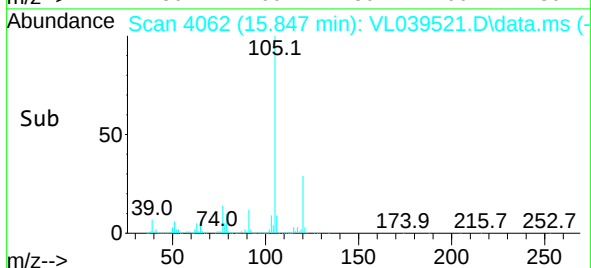
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

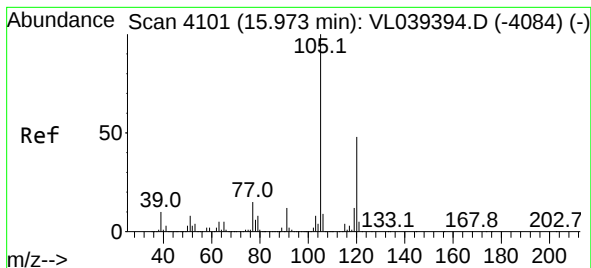


#72  
4-Ethyltoluene  
Concen: 11.461 ppbv  
RT: 15.847 min Scan# 4062  
Delta R.T. 0.032 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15



Tgt Ion:105 Resp: 4077623  
Ion Ratio Lower Upper  
105 100  
120 29.5 24.2 36.2  
91 12.8 10.2 15.4  
77 13.6 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 11.230 ppbv

RT: 16.002 min Scan# 4101

Delta R.T. 0.029 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0725ABS01

Tgt Ion:105 Resp: 366967

Ion Ratio Lower Upper

105 100

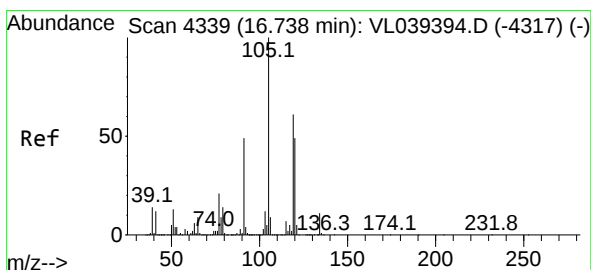
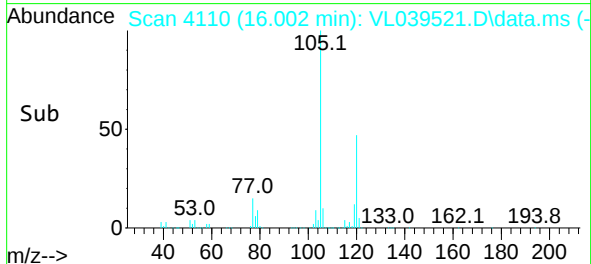
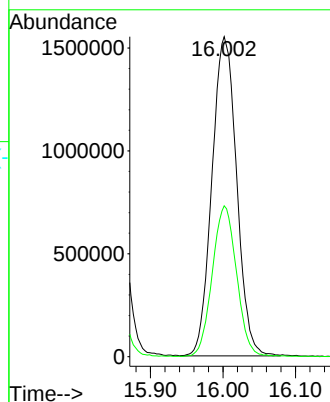
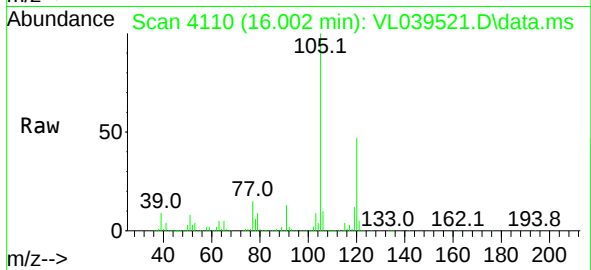
120 47.1 38.2 57.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2022

Supervised By :Mahesh Dadoda 07/26/2022



#74

1,2,4-Trimethylbenzene

Concen: 10.957 ppbv

RT: 16.767 min Scan# 4348

Delta R.T. 0.029 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

Tgt Ion:105 Resp: 3960957

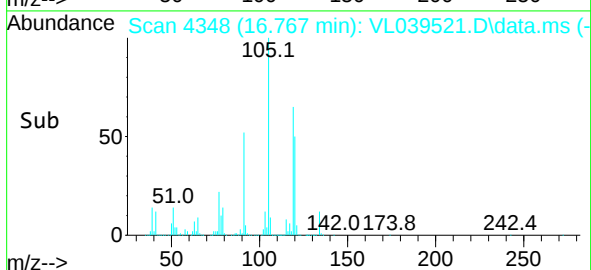
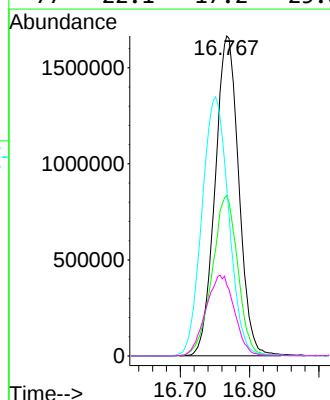
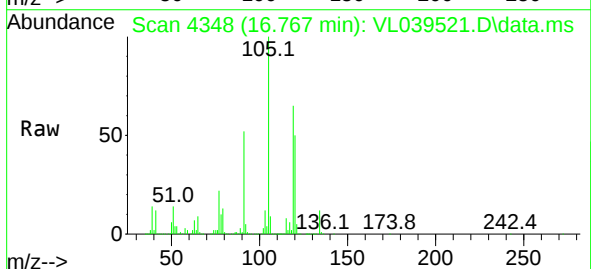
Ion Ratio Lower Upper

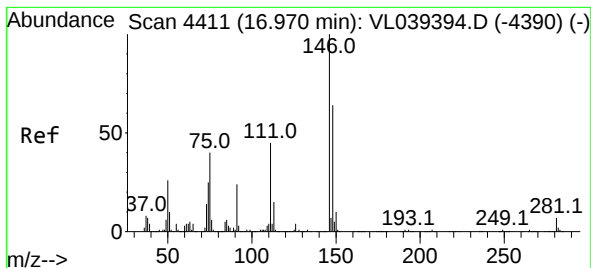
105 100

120 50.0 39.5 59.3

91 52.2 39.2 58.8

77 22.1 17.2 25.8





#75

1,3-Dichlorobenzene

Concen: 10.952 ppbv

RT: 17.002 min Scan# 4411

Delta R.T. 0.032 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0725ABS01

Tgt Ion:146 Resp: 236168

Ion Ratio Lower Upper

146 100

111 46.6 22.9 68.7

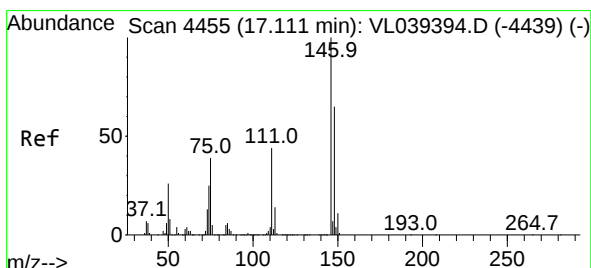
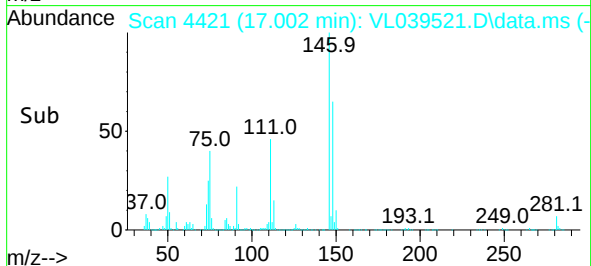
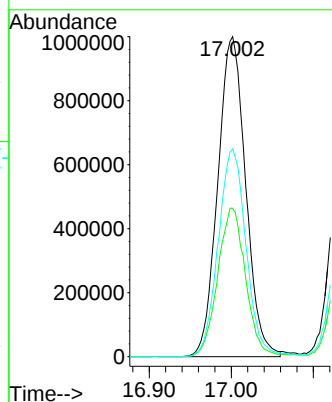
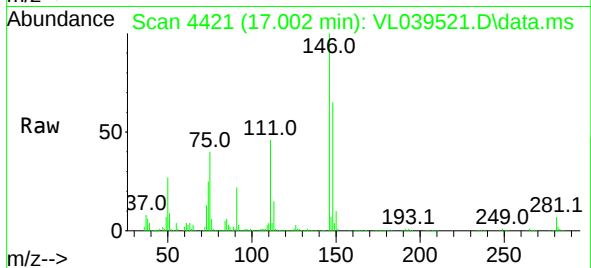
148 65.1 32.1 96.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2022

Supervised By :Mahesh Dadoda 07/26/2022



#76

1,4-Dichlorobenzene

Concen: 10.813 ppbv

RT: 17.140 min Scan# 4464

Delta R.T. 0.029 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

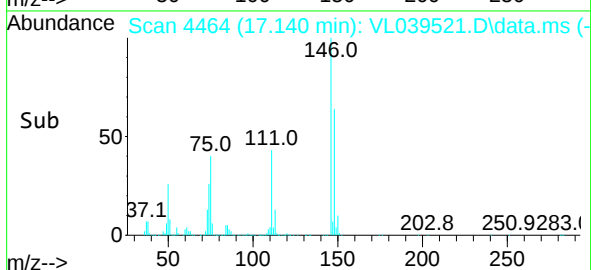
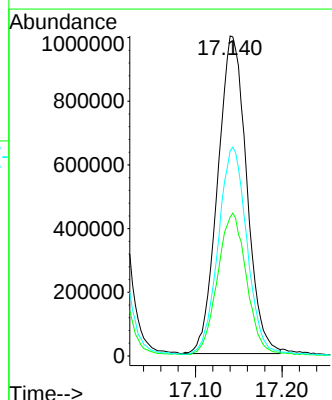
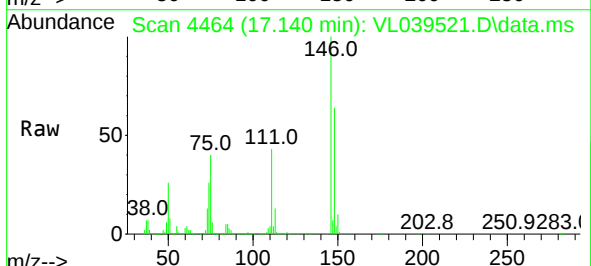
Tgt Ion:146 Resp: 2311056

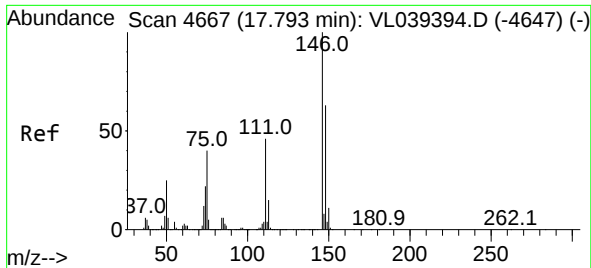
Ion Ratio Lower Upper

146 100

111 45.3 22.9 68.8

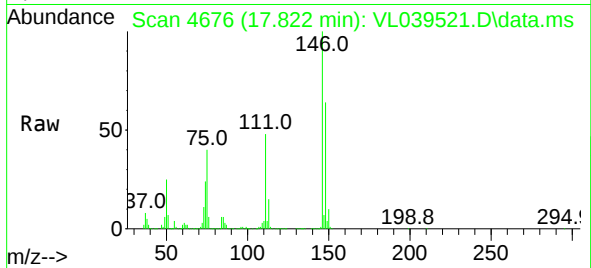
148 66.8 33.6 100.8





#77  
 1,2-Dichlorobenzene  
 Concen: 10.859 ppbv  
 RT: 17.822 min Scan# 403  
 Delta R.T. 0.029 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

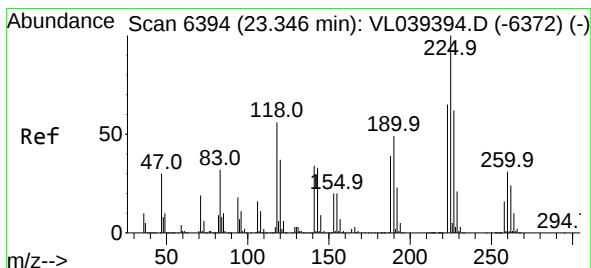
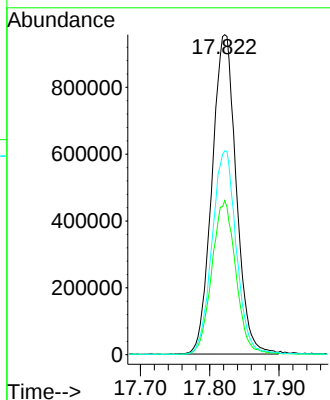
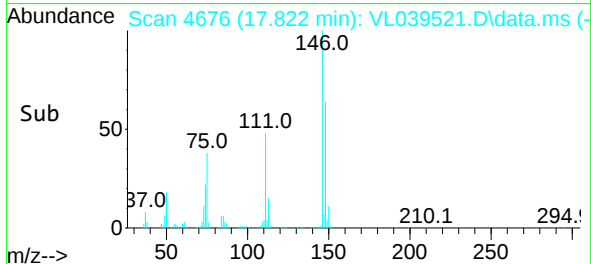
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0725ABS01



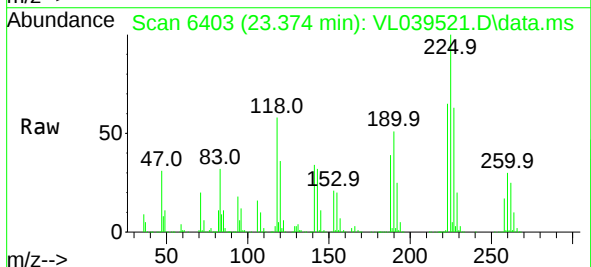
Tgt Ion:146 Resp: 2321089  
 Ion Ratio Lower Upper  
 146 100  
 111 48.3 23.8 71.5  
 148 64.3 32.3 96.8

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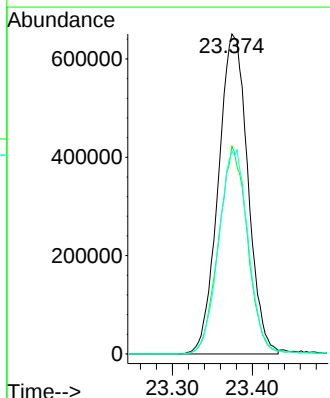
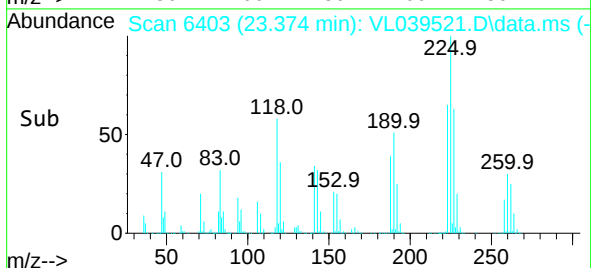
Reviewed By :Semsettin Yesilyurt 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022

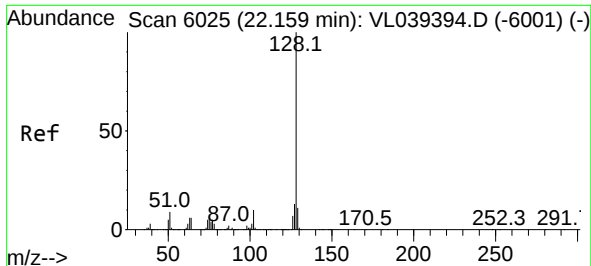


#78  
 Hexachloro-1,3-Butadiene  
 Concen: 9.712 ppbv  
 RT: 23.374 min Scan# 6403  
 Delta R.T. 0.029 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15



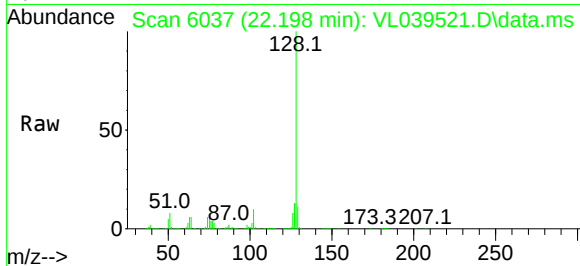
Tgt Ion:225 Resp: 1669503  
 Ion Ratio Lower Upper  
 225 100  
 223 63.6 51.8 77.6  
 227 64.4 51.4 77.2





#79  
Naphthalene  
Concen: 13.216 ppbv  
RT: 22.198 min Scan# 6025  
Delta R.T. 0.038 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15

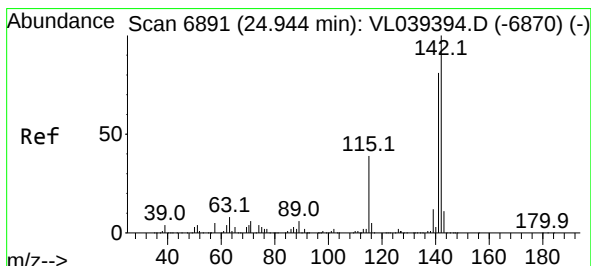
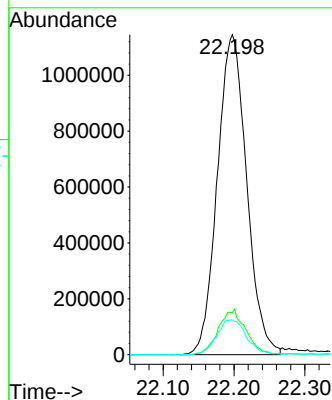
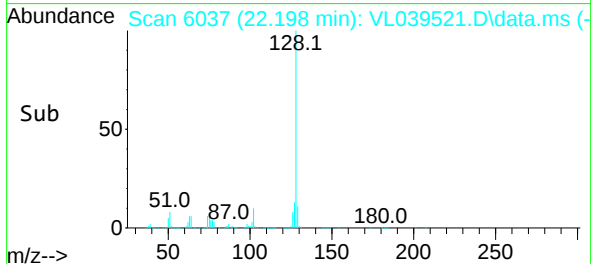
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0725ABS01



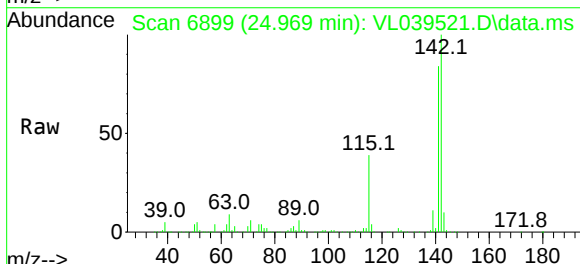
Tgt Ion:128 Resp: 328783  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.6 15.8  
129 10.9 8.8 13.2

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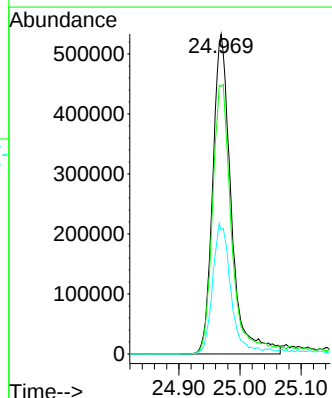
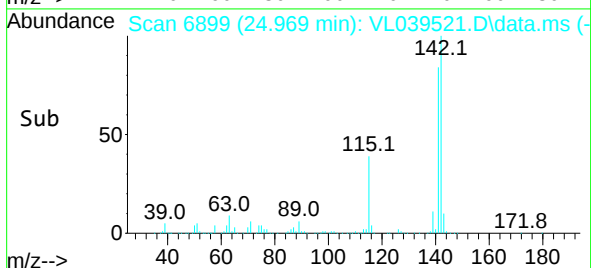
Reviewed By :Semsettin Yesilyurt 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

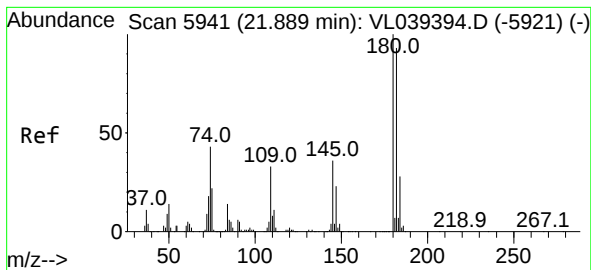


#80  
Naphthalene,2-methyl-  
Concen: 13.145 ppbv  
RT: 24.969 min Scan# 6899  
Delta R.T. 0.026 min  
Lab File: VL039521.D  
Acq: 25 Jul 2022 15:15



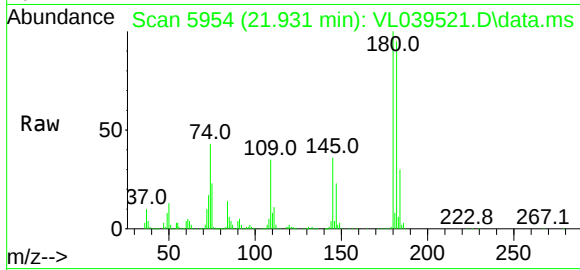
Tgt Ion:142 Resp: 1112996  
Ion Ratio Lower Upper  
142 100  
141 90.6 68.9 103.3  
115 41.2 30.0 45.0





#81  
 1,2,4-Trichlorobenzene  
 Concen: 11.356 ppbv  
 RT: 21.931 min Scan# 5954  
 Delta R.T. 0.042 min  
 Lab File: VL039521.D  
 Acq: 25 Jul 2022 15:15

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0725ABS01



Tgt Ion:180 Resp: 184015  
 Ion Ratio Lower Upper  
 180 100  
 182 96.5 77.1 115.7  
 184 31.2 24.3 36.5

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 07/26/2022  
 Supervised By :Mahesh Dadoda 07/26/2022

