

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL022823\  
 Data File : VL040244.D  
 Acq On : 28 Feb 2023 11:15  
 Operator : SY/MD  
 Sample : VL0228ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0228ABS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/01/2023  
 Supervised By : Mahesh Dadoda 03/01/2023

Quant Time: Mar 01 10:55:31 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL021523AIR.M

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

QLast Update : Wed Mar 01 04:21:39 2023

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.198  | 49   | 880115   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.668  | 114  | 2342961  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.487 | 117  | 2308639  | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 1790239 9.430 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.300%

Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.726 | 85  | 1910511 | 11.647 | ppbv   | 98     |
| 3) Chlorodifluoromethane      | 2.671 | 51  | 1111584 | 10.573 | ppbv   | 99     |
| 4) Chloromethane              | 2.813 | 50  | 694330  | 10.514 | ppbv   | 93     |
| 5) Vinyl Chloride             | 2.919 | 62  | 597629  | 11.261 | ppbv   | 98     |
| 6) Bromomethane               | 3.121 | 94  | 204704  | 10.687 | ppbv   | 100    |
| 7) Chloroethane               | 3.195 | 64  | 222672  | 10.580 | ppbv   | 98     |
| 8) Dichlorotetrafluoroethane  | 2.854 | 85  | 1530844 | 10.831 | ppbv   | 99     |
| 9) Propene                    | 2.690 | 41  | 448426  | 10.463 | ppbv   | 98     |
| 10) Heptane                   | 7.594 | 43  | 1131544 | 11.093 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 3.565 | 101 | 1625747 | 11.046 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 4.070 | 101 | 1214327 | 11.184 | ppbv   | 98     |
| 13) Ethanol                   | 3.240 | 45  | 12518   | 3.173  | ppbv # | 1      |
| 14) Bromoethene               | 3.366 | 108 | 475138  | 11.412 | ppbv   | 99     |
| 15) Acetone                   | 3.469 | 43  | 1069489 | 10.093 | ppbv   | 100    |
| 16) 1,3-Butadiene             | 2.983 | 39  | 528574  | 10.923 | ppbv   | 97     |
| 17) tert-Butyl alcohol        | 3.880 | 59  | 1033565 | 10.695 | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 3.883 | 96  | 511359  | 10.839 | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 3.578 | 45  | 490365  | 9.735  | ppbv # | 98     |
| 20) Methylene Chloride        | 3.938 | 84  | 441200  | 7.998  | ppbv   | 99     |
| 21) Allyl Chloride            | 4.002 | 41  | 740807  | 11.399 | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 4.452 | 96  | 550134  | 11.261 | ppbv   | 95     |
| 23) Vinyl Acetate             | 4.632 | 43  | 342384  | 10.647 | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 4.571 | 63  | 1106940 | 11.013 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.211 | 43  | 1992166 | 10.114 | ppbv   | 100    |
| 26) Hexane                    | 5.221 | 57  | 843365  | 9.973  | ppbv   | 99     |
| 27) Carbon Disulfide          | 4.128 | 76  | 1325188 | 12.350 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 4.591 | 73  | 986821  | 10.891 | ppbv   | 98     |
| 29) Chloroform                | 5.282 | 83  | 1513074 | 10.421 | ppbv   | 98     |
| 30) Cyclohexane               | 6.616 | 84  | 736220  | 11.088 | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 5.086 | 61  | 845290  | 10.521 | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.015 | 97  | 1545037 | 11.326 | ppbv   | 99     |
| 34) 2-Butanone                | 4.793 | 43  | 1177403 | 10.187 | ppbv   | 98     |
| 35) Carbon Tetrachloride      | 6.507 | 117 | 1595002 | 11.516 | ppbv   | 97     |
| 36) Benzene                   | 6.382 | 78  | 1868656 | 10.249 | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 5.819 | 62  | 1206785 | 10.582 | ppbv   | 99     |
| 38) Trichloroethene           | 7.304 | 130 | 1092944 | 10.878 | ppbv   | 97     |
| 39) 1,2-Dichloropropane       | 7.086 | 63  | 718118  | 10.124 | ppbv   | 99     |
| 40) 1,4-Dioxane               | 7.301 | 88  | 272351  | 9.599  | ppbv   | 84     |
| 41) Tetrahydrofuran           | 5.568 | 42  | 681390  | 10.173 | ppbv   | 99     |
| 42) Bromodichloromethane      | 7.263 | 83  | 1710062 | 10.864 | ppbv   | 99     |
| 43) Methyl Methacrylate       | 7.488 | 69  | 747522  | 11.080 | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane    | 7.343 | 57  | 3147246 | 10.340 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 8.726 | 75  | 708979  | 11.846 | ppbv   | 99     |

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 Sample : VL0228ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0228ABS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/01/2023  
 Supervised By : Mahesh Dadoda 03/01/2023

Quant Time: Mar 01 10:55:31 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 2

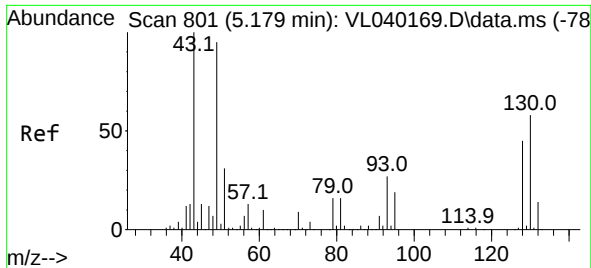
QLast Update : Wed Mar 01 04:21:39 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.156  | 75   | 967422   | 11.603 | ppbv   | 98       |
| 47) 1,1,2-Trichloroethane     | 8.915  | 97   | 780339   | 10.171 | ppbv   | 97       |
| 48) Dibromochloromethane      | 9.726  | 129  | 1359590  | 11.080 | ppbv   | 99       |
| 49) Bromoform                 | 12.430 | 173  | 1056091  | 11.027 | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 8.195  | 43   | 1972793  | 10.993 | ppbv   | 99       |
| 51) 2-Hexanone                | 9.568  | 43   | 1524041  | 11.043 | ppbv # | 99       |
| 52) Tetrachloroethene         | 10.632 | 164  | 612183   | 10.752 | ppbv   | 96       |
| 53) Toluene                   | 9.237  | 91   | 2108710  | 10.798 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.028 | 107  | 861040   | 10.787 | ppbv   | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 11.529 | 131  | 973902   | 10.050 | ppbv # | 94       |
| 57) Chlorobenzene             | 11.545 | 112  | 1628518  | 9.655  | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.108 | 91   | 2909012  | 10.371 | ppbv   | 99       |
| 59) m/p-Xylene                | 12.391 | 91   | 2904527  | 11.691 | ppbv # | 52       |
| 60) o-Xylene                  | 13.079 | 91   | 2434012  | 10.182 | ppbv   | 100      |
| 61) Styrene                   | 12.918 | 104  | 1344988  | 10.716 | ppbv   | 98       |
| 62) Isopropylbenzene          | 14.050 | 105  | 3395800  | 9.897  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.069 | 83   | 808441   | 9.384  | ppbv   | 100      |
| 64) n-propylbenzene           | 14.938 | 120  | 855278   | 10.071 | ppbv   | 96       |
| 65) tert-Butylbenzene         | 16.114 | 119  | 2947222  | 9.881  | ppbv   | 98       |
| 66) Benzyl Chloride           | 16.352 | 91   | 201346   | 10.144 | ppbv   | 98       |
| 67) sec-Butylbenzene          | 16.658 | 105  | 4196695  | 9.811  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.018 | 119  | 3318537  | 9.786  | ppbv   | 99       |
| 70) n-Butylbenzene            | 17.908 | 91   | 3594536  | 9.766  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 14.822 | 91   | 2592128  | 9.877  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.214 | 105  | 2715242  | 10.275 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.372 | 105  | 2421800  | 9.849  | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.127 | 105  | 2628042  | 9.730  | ppbv   | 94       |
| 75) 1,3-Dichlorobenzene       | 16.352 | 146  | 1396353  | 9.447  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.494 | 146  | 1363808  | 9.416  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.166 | 146  | 1355088  | 9.229  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.657 | 225  | 895549   | 8.878  | ppbv   | 100      |
| 79) Naphthalene               | 21.410 | 128  | 1759155  | 11.593 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 24.394 | 142  | 354269   | 8.210  | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 21.166 | 180  | 945287   | 9.955  | ppbv   | 98       |

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





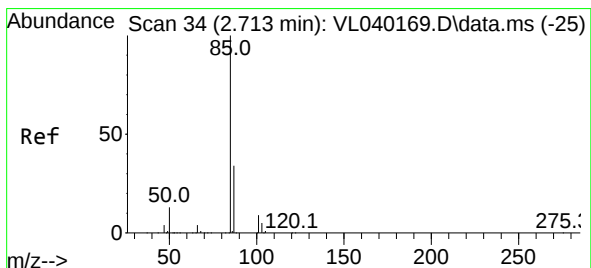
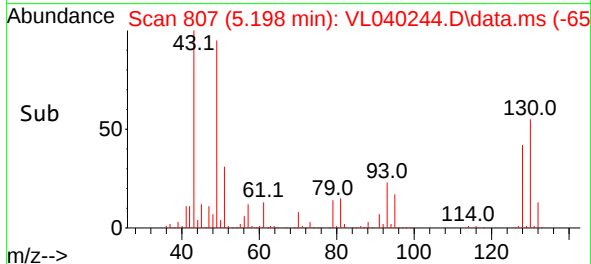
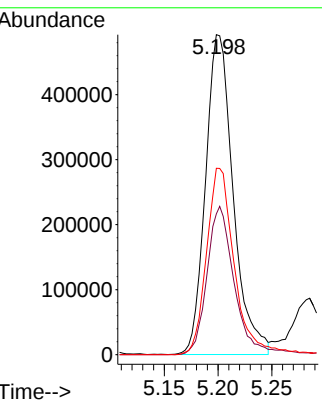
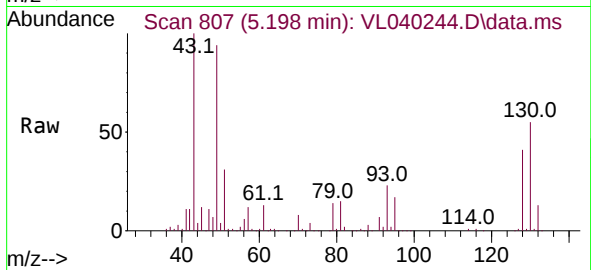
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.198 min Scan# 80  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01

Tgt Ion: 49 Resp: 88011  
Ion Ratio Lower Upper  
49 100  
128 46.2 24.1 72.3  
130 59.7 30.9 92.8

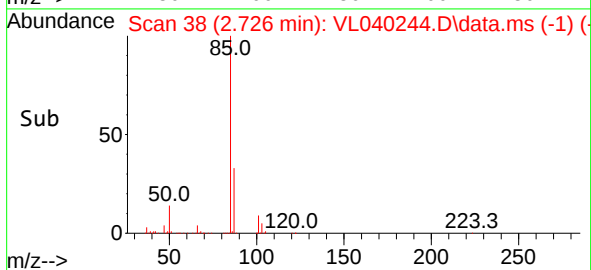
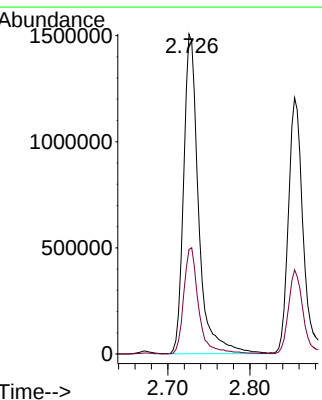
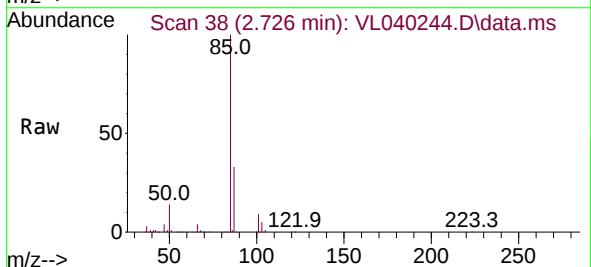
Manual Integrations  
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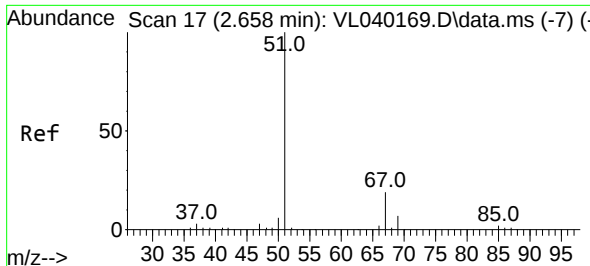
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#2  
Dichlorodifluoromethane  
Concen: 11.647 ppbv  
RT: 2.726 min Scan# 38  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Tgt Ion: 85 Resp: 1910511  
Ion Ratio Lower Upper  
85 100  
87 32.7 27.0 40.6





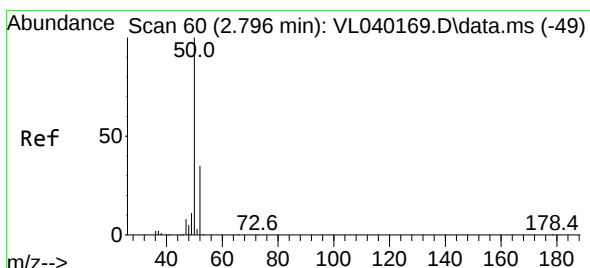
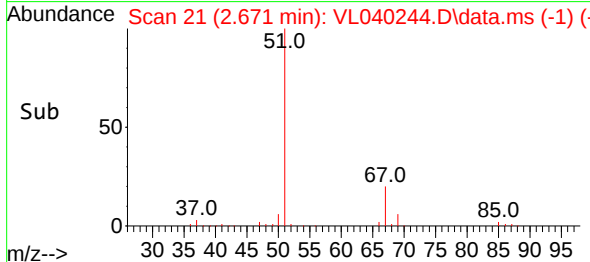
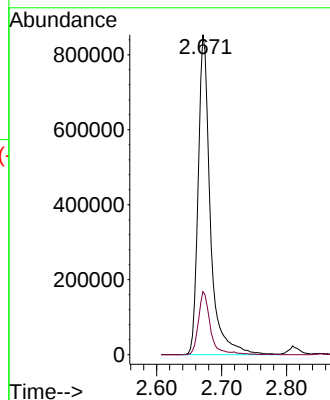
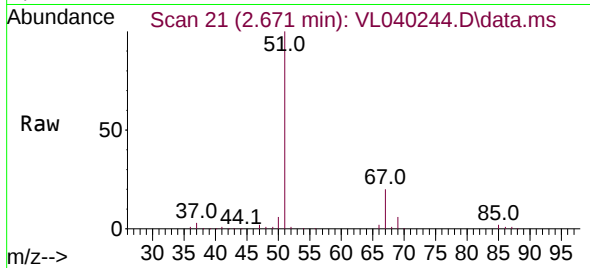
#3  
Chlorodifluoromethane  
Concen: 10.573 ppbv  
RT: 2.671 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01

Tgt Ion: 51 Resp: 1111584  
Ion Ratio Lower Upper  
51 100  
67 19.6 15.4 23.2

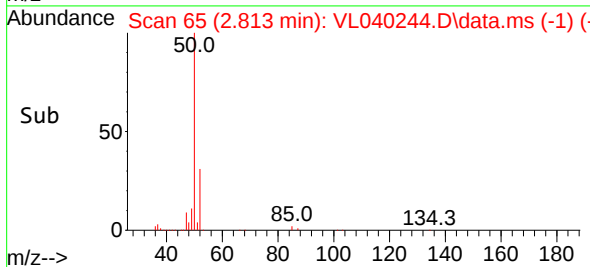
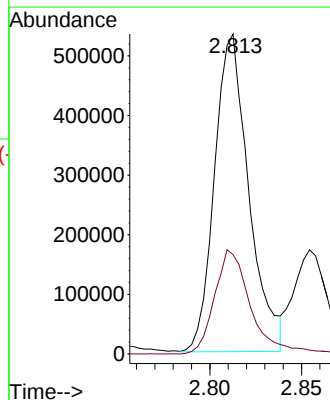
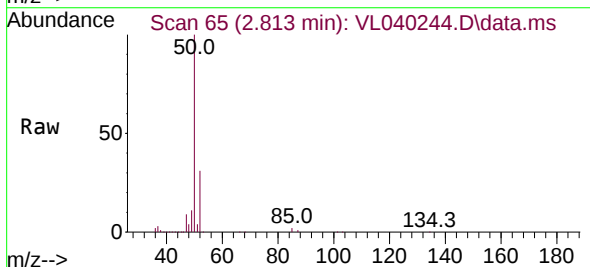
Manual Integrations  
APPROVED

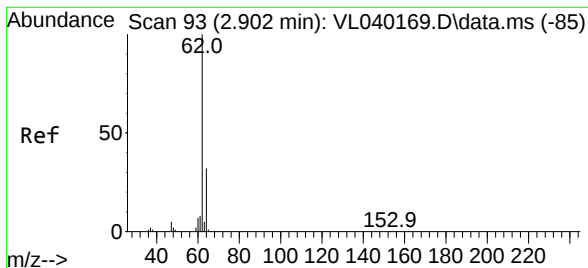
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#4  
Chloromethane  
Concen: 10.514 ppbv  
RT: 2.813 min Scan# 65  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

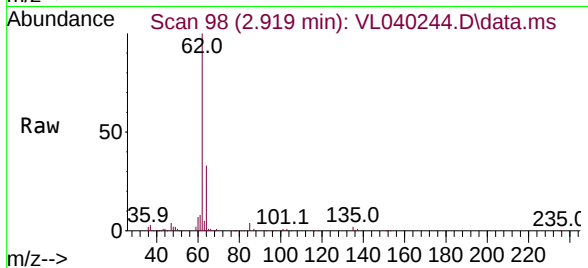
Tgt Ion: 50 Resp: 694330  
Ion Ratio Lower Upper  
50 100  
52 31.3 28.3 42.5





#5  
 Vinyl Chloride  
 Concen: 11.261 ppbv  
 RT: 2.919 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VL040244.D  
 Acq: 28 Feb 2023 11:15

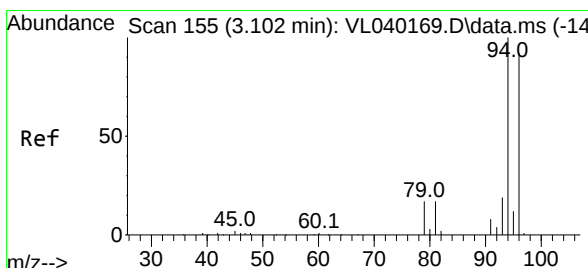
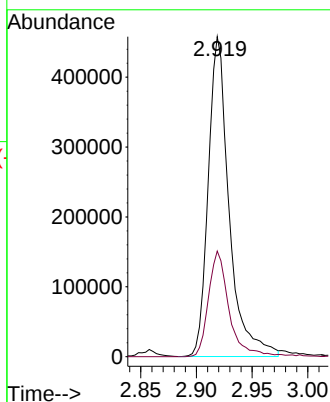
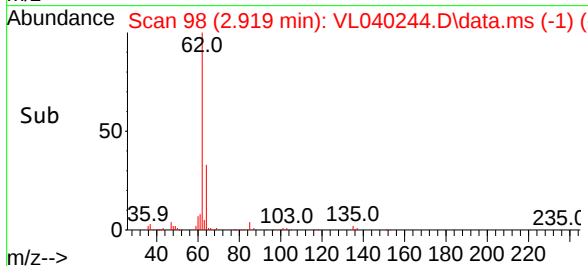
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0228ABS01



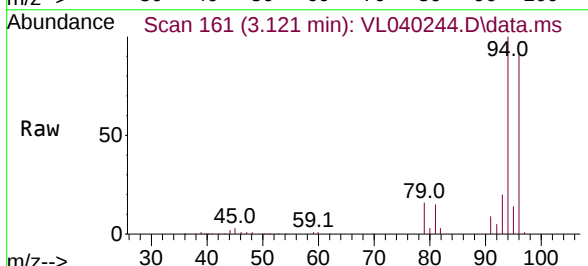
Tgt Ion: 62 Resp: 597629  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 25.6 38.4

Manual Integrations  
 APPROVED

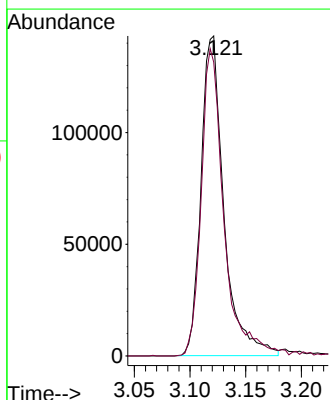
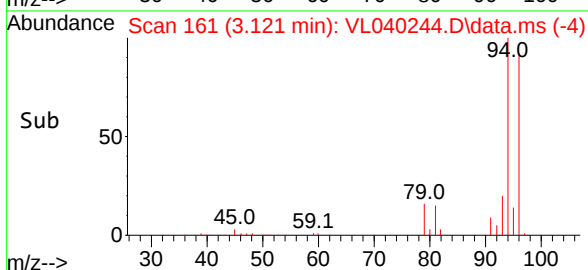
Reviewed By :Semsettin Yesilyurt 03/01/2023  
 Supervised By :Mahesh Dadoda 03/01/2023

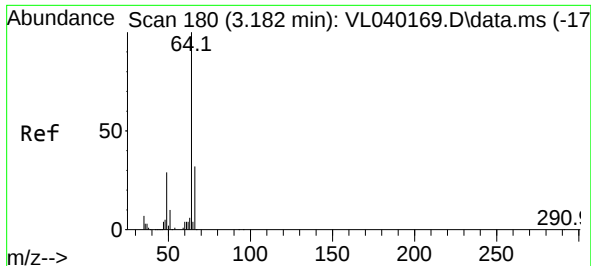


#6  
 Bromomethane  
 Concen: 10.687 ppbv  
 RT: 3.121 min Scan# 161  
 Delta R.T. 0.003 min  
 Lab File: VL040244.D  
 Acq: 28 Feb 2023 11:15



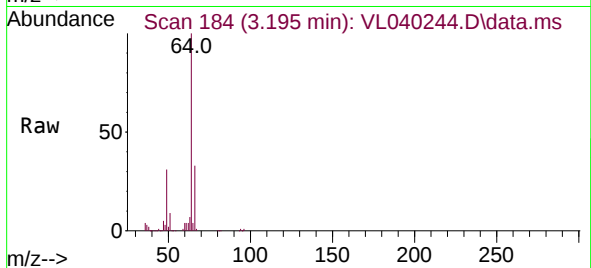
Tgt Ion: 94 Resp: 204704  
 Ion Ratio Lower Upper  
 94 100  
 96 91.7 73.4 110.2





#7  
Chloroethane  
Concen: 10.580 ppbv  
RT: 3.195 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

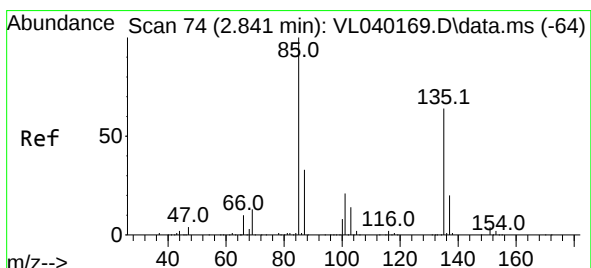
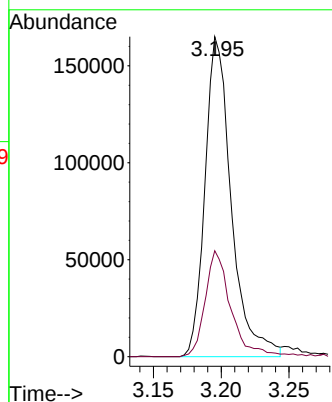
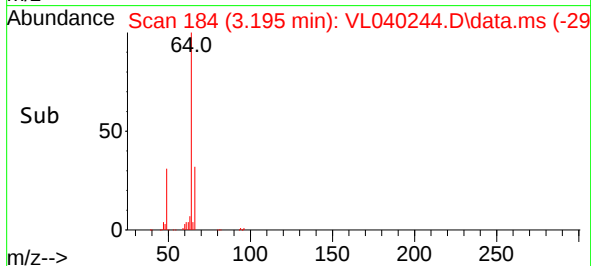
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



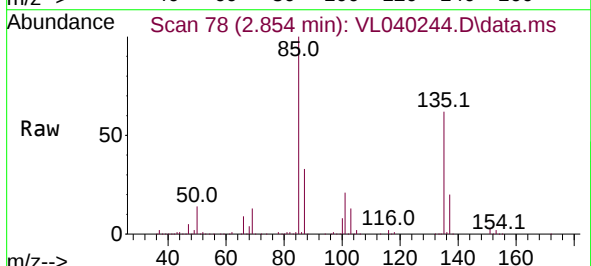
Tgt Ion: 64 Resp: 222672  
Ion Ratio Lower Upper  
64 100  
66 33.1 25.4 38.2

Manual Integrations  
APPROVED

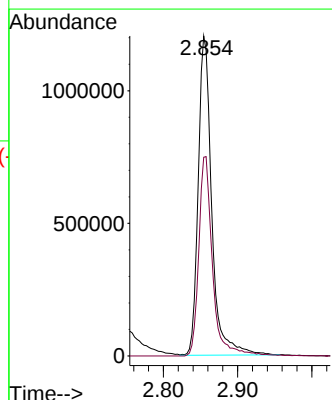
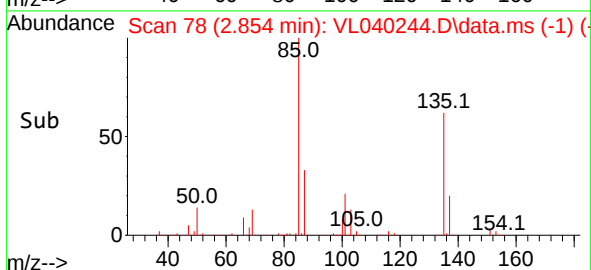
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023

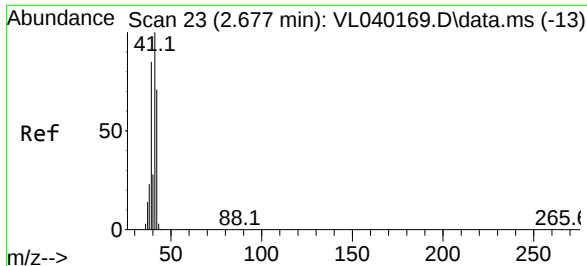


#8  
Dichlorotetrafluoroethane  
Concen: 10.831 ppbv  
RT: 2.854 min Scan# 78  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15



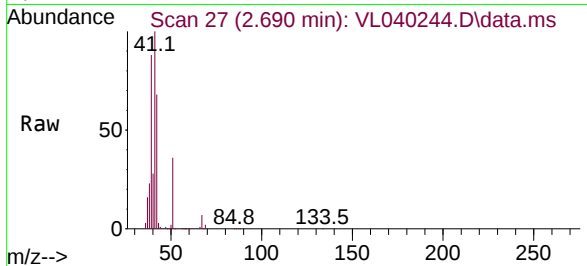
Tgt Ion: 85 Resp: 1530844  
Ion Ratio Lower Upper  
85 100  
135 63.8 51.5 77.3





#9  
Propene  
Concen: 10.463 ppbv  
RT: 2.690 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

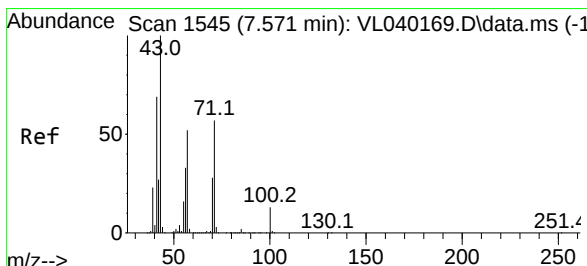
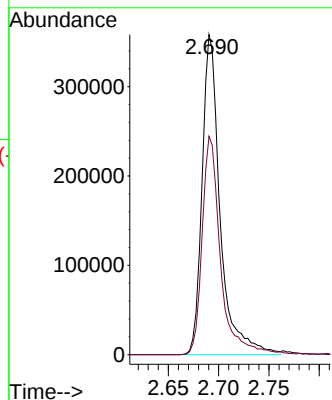
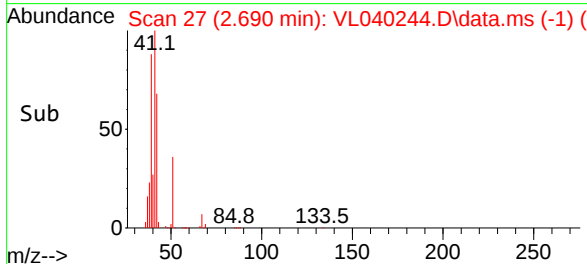
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



Tgt Ion: 41 Resp: 448420  
Ion Ratio Lower Upper  
41 100  
42 69.8 56.9 85.3

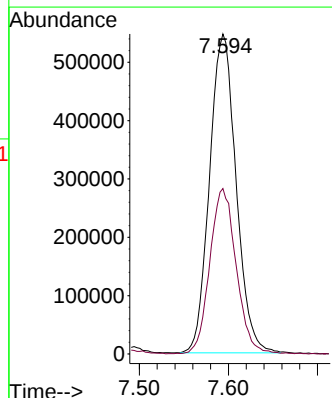
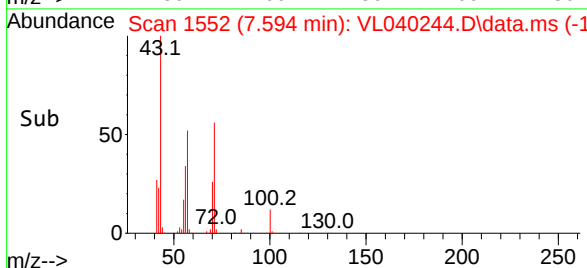
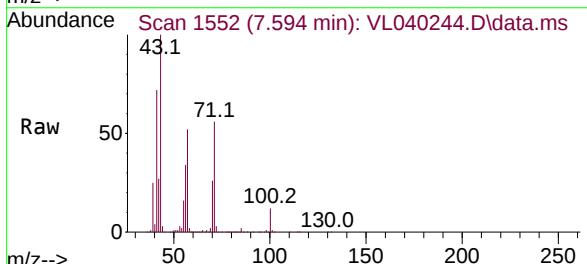
Manual Integrations  
APPROVED

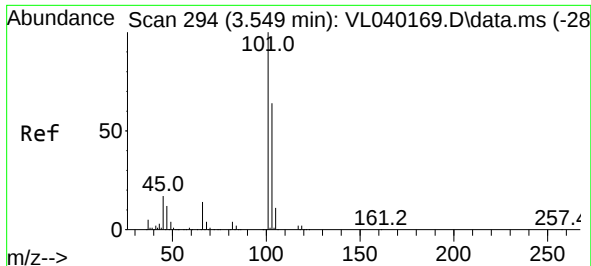
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#10  
Heptane  
Concen: 11.093 ppbv  
RT: 7.594 min Scan# 1552  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Tgt Ion: 43 Resp: 1131544  
Ion Ratio Lower Upper  
43 100  
57 51.8 41.4 62.2





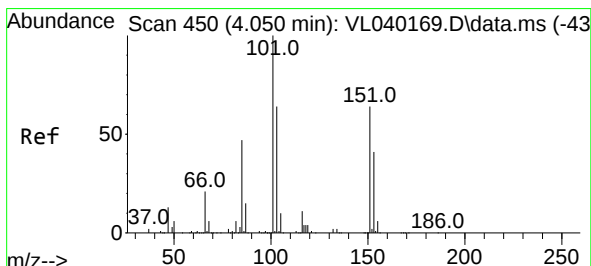
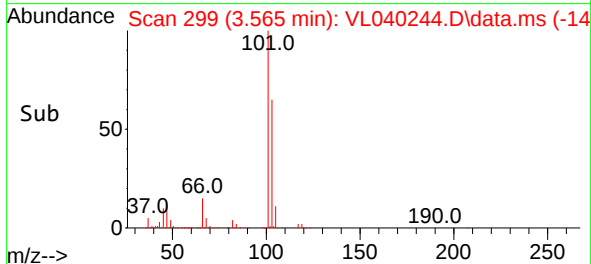
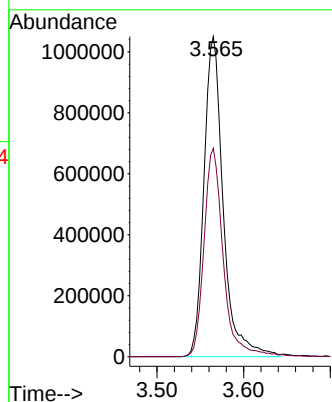
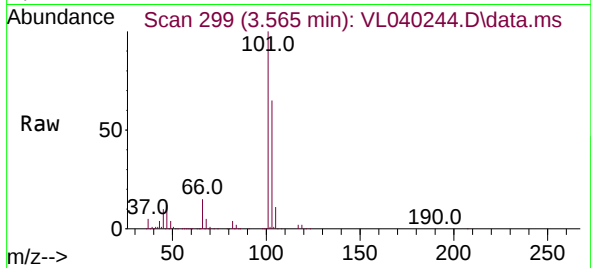
#11  
Trichlorofluoromethane  
Concen: 11.046 ppbv  
RT: 3.565 min Scan# 294  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01

Tgt Ion:101 Resp: 162574  
Ion Ratio Lower Upper  
101 100  
103 65.1 51.0 76.6

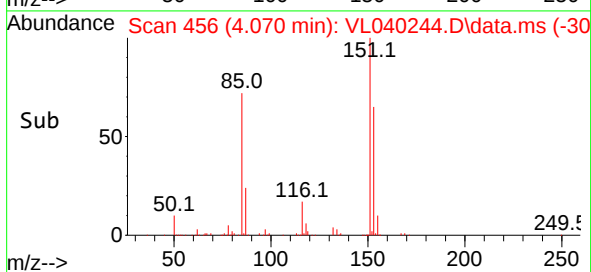
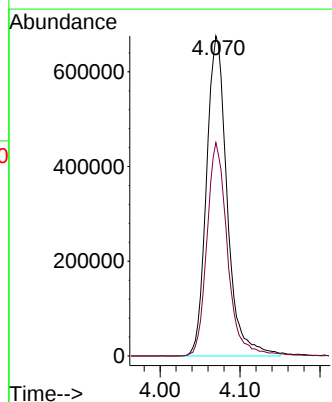
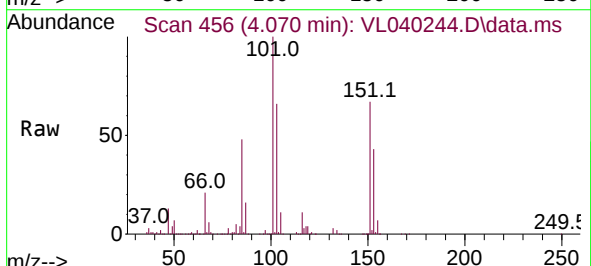
Manual Integrations  
APPROVED

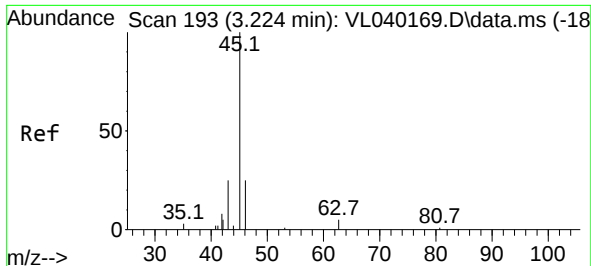
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 11.184 ppbv  
RT: 4.070 min Scan# 456  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Tgt Ion:101 Resp: 1214327  
Ion Ratio Lower Upper  
101 100  
151 66.8 54.7 82.1





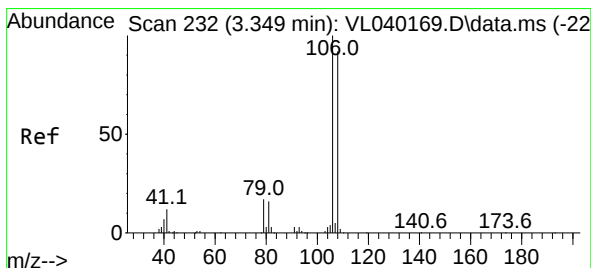
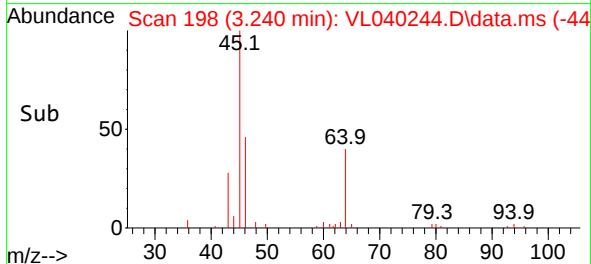
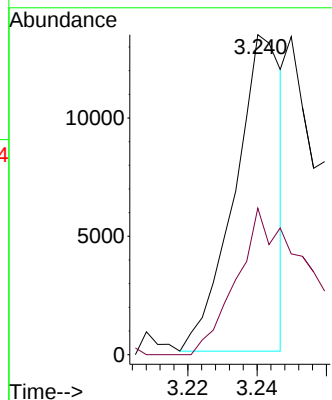
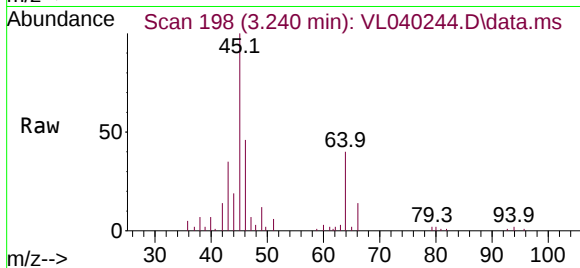
#13  
Ethanol  
Concen: 3.173 ppbv  
RT: 3.240 min Scan# 193  
Delta R.T. -0.006 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Instrument : MSVOA\_L  
ClientSampleId : VL0228ABS01

Tgt Ion: 45 Resp: 12518  
Ion Ratio Lower Upper  
45 100  
46 90.0 13.3 53.1

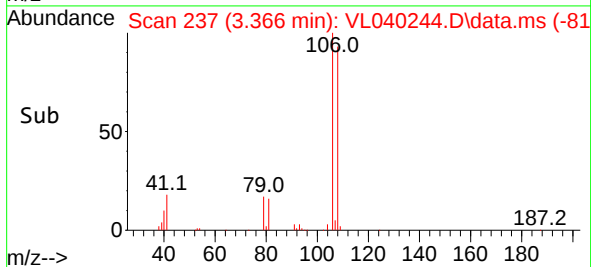
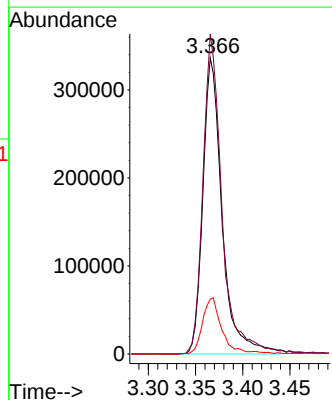
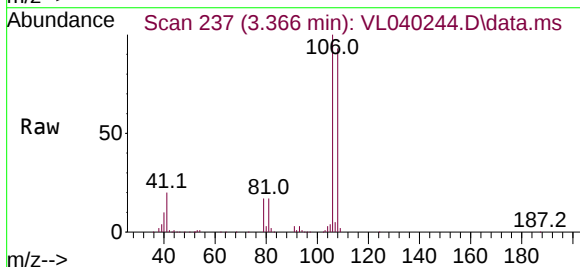
Manual Integrations  
APPROVED

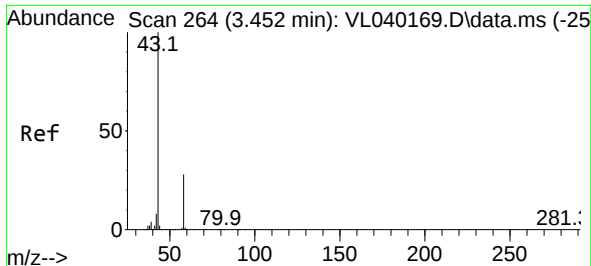
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#14  
Bromoethene  
Concen: 11.412 ppbv  
RT: 3.366 min Scan# 237  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

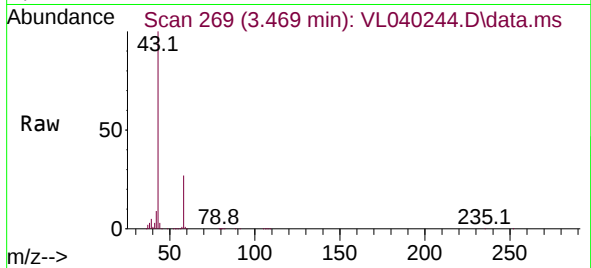
Tgt Ion:108 Resp: 475138  
Ion Ratio Lower Upper  
108 100  
106 107.7 87.1 130.7  
79 19.3 15.4 23.2





#15  
Acetone  
Concen: 10.093 ppbv  
RT: 3.469 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

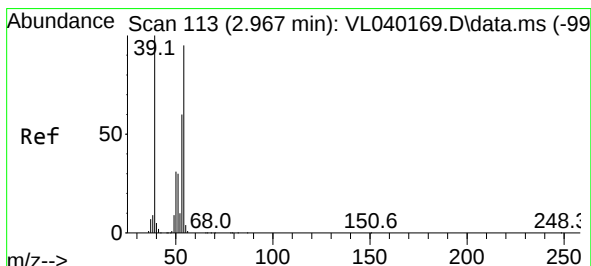
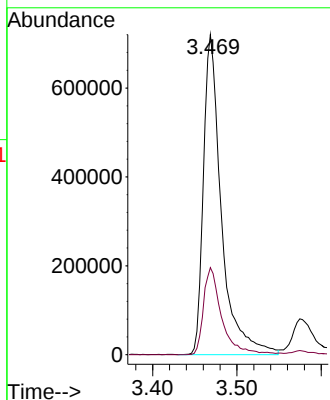
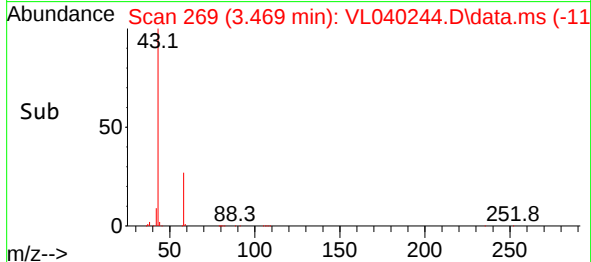
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



Tgt Ion: 43 Resp: 1069489  
Ion Ratio Lower Upper  
43 100  
58 27.8 22.4 33.6

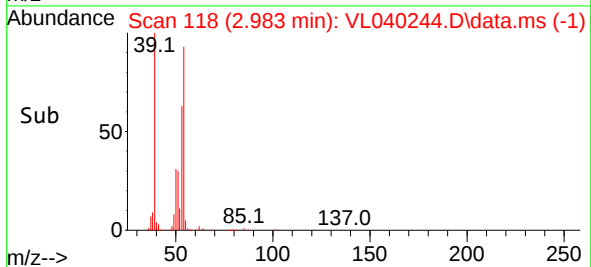
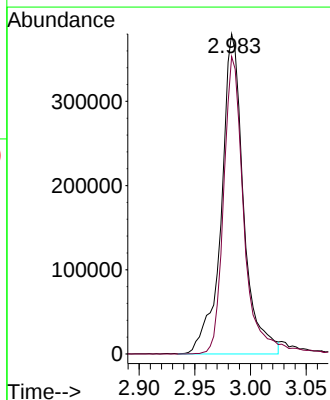
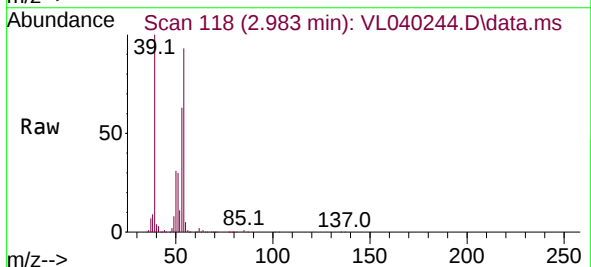
Manual Integrations  
APPROVED

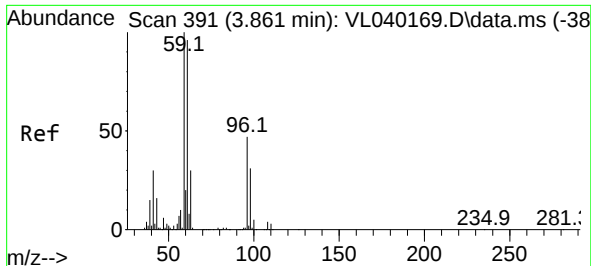
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#16  
1,3-Butadiene  
Concen: 10.923 ppbv  
RT: 2.983 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

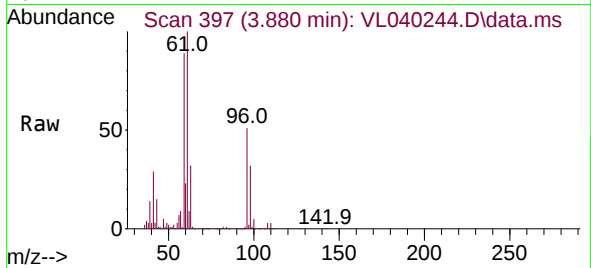
Tgt Ion: 39 Resp: 528574  
Ion Ratio Lower Upper  
39 100  
54 86.0 66.7 100.1





#17  
tert-Butyl alcohol  
Concen: 10.695 ppbv  
RT: 3.880 min Scan# 391  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

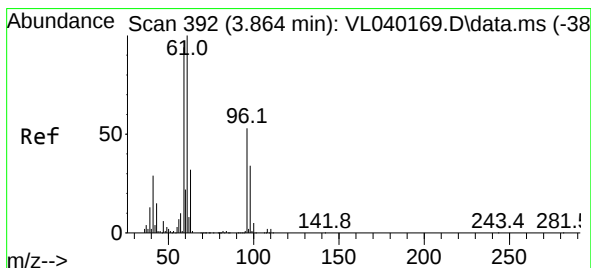
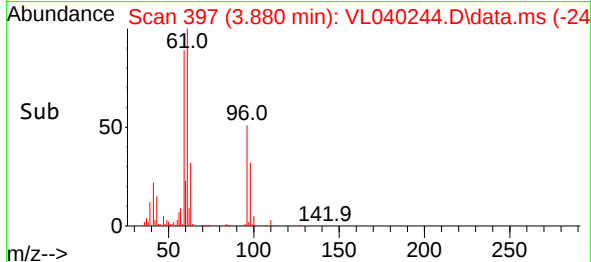
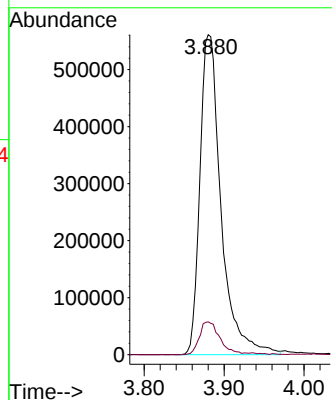
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



Tgt Ion: 59 Resp: 103356  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.5 12.7

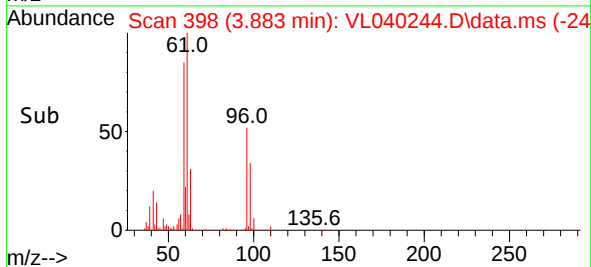
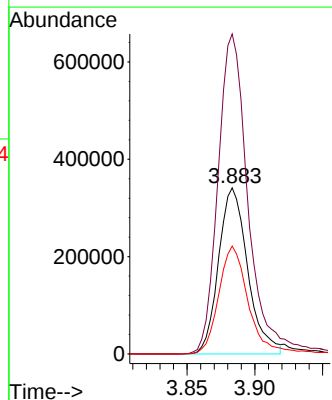
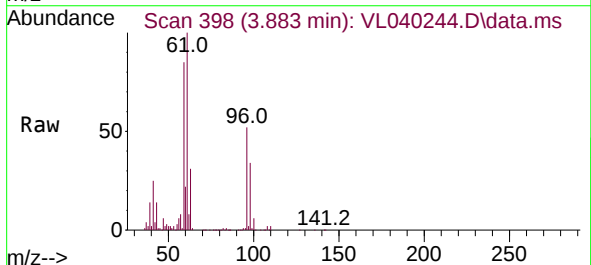
Manual Integrations  
APPROVED

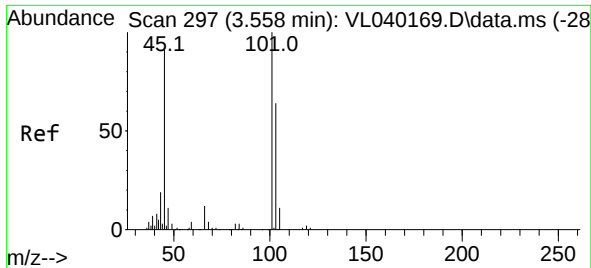
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#18  
1,1-Dichloroethene  
Concen: 10.839 ppbv  
RT: 3.883 min Scan# 398  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

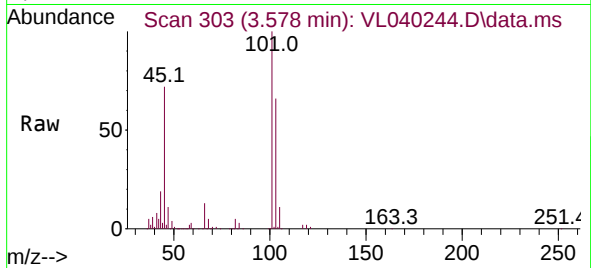
Tgt Ion: 96 Resp: 511359  
Ion Ratio Lower Upper  
96 100  
61 192.7 149.6 224.4  
98 64.9 51.1 76.7





#19  
Isopropyl Alcohol  
Concen: 9.735 ppbv  
RT: 3.578 min Scan# 303  
Delta R.T. 0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

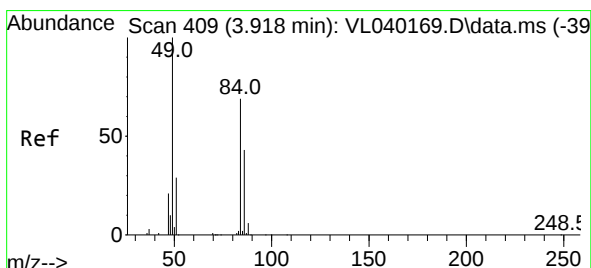
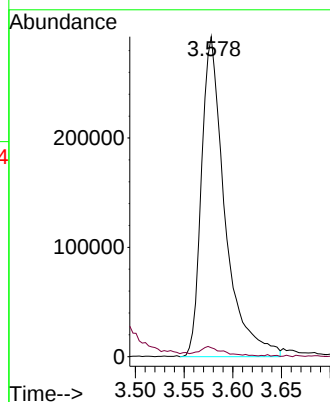
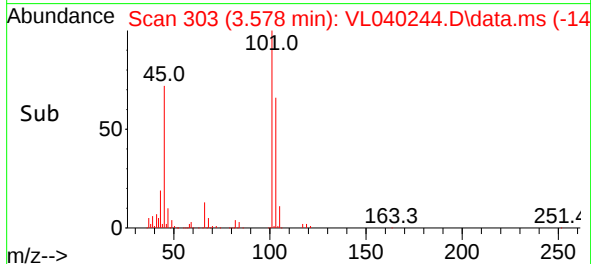
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



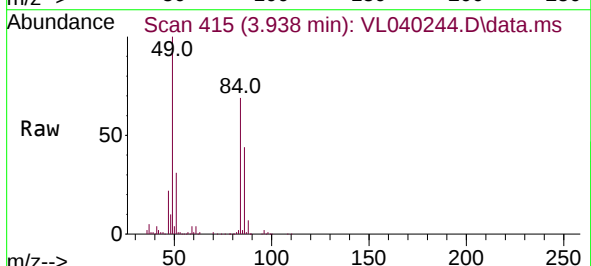
Tgt Ion: 45 Resp: 490365  
Ion Ratio Lower Upper  
45 100  
58 3.9 2.6 3.8

Manual Integrations  
APPROVED

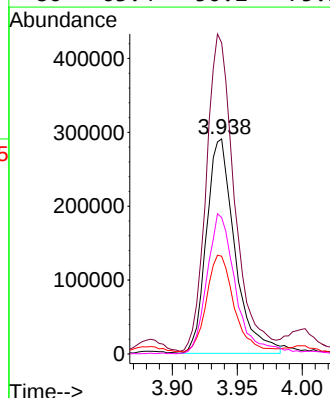
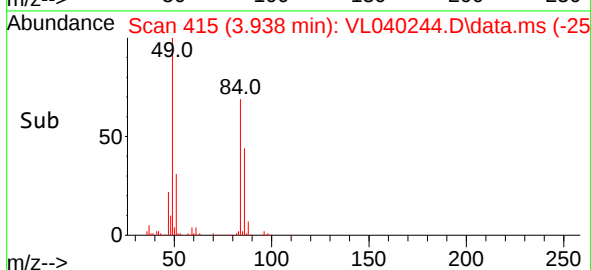
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023

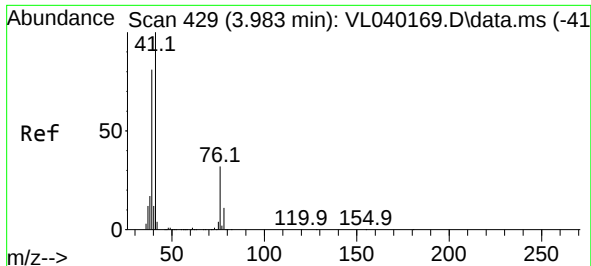


#20  
Methylene Chloride  
Concen: 7.998 ppbv  
RT: 3.938 min Scan# 415  
Delta R.T. 0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15



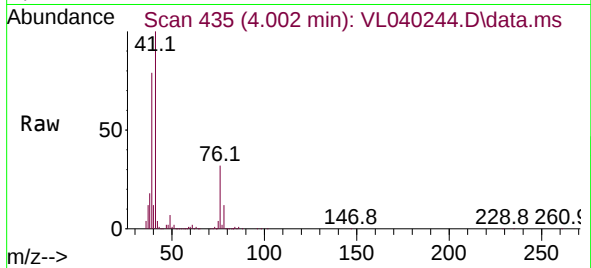
Tgt Ion: 84 Resp: 441200  
Ion Ratio Lower Upper  
84 100  
49 143.8 115.5 173.3  
51 44.4 33.1 49.7  
86 63.4 50.2 75.2





#21  
 Allyl Chloride  
 Concen: 11.399 ppbv  
 RT: 4.002 min Scan# 41  
 Delta R.T. 0.003 min  
 Lab File: VL040244.D  
 Acq: 28 Feb 2023 11:15

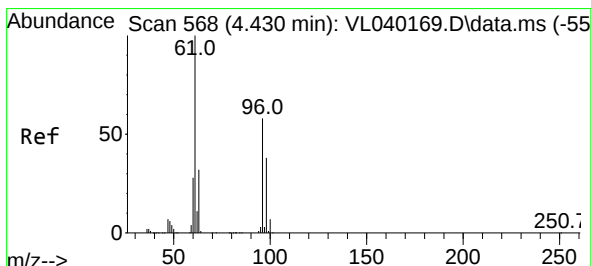
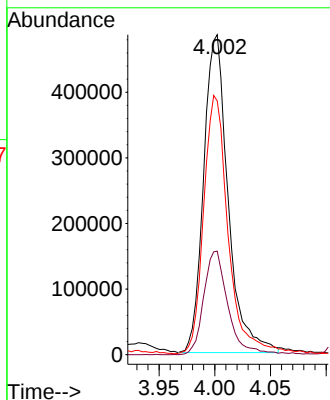
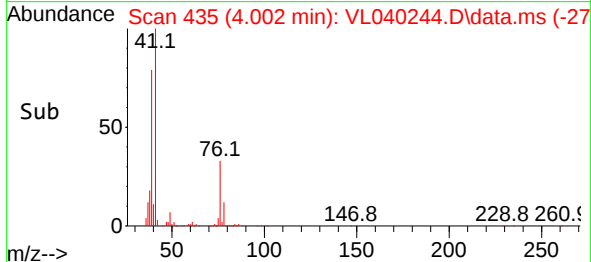
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0228ABS01



Tgt Ion: 41 Resp: 74080  
 Ion Ratio Lower Upper  
 41 100  
 76 32.6 25.5 38.3  
 39 81.9 64.5 96.7

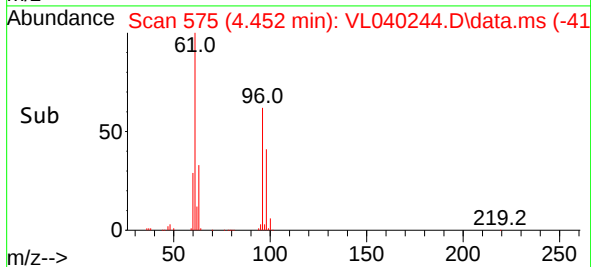
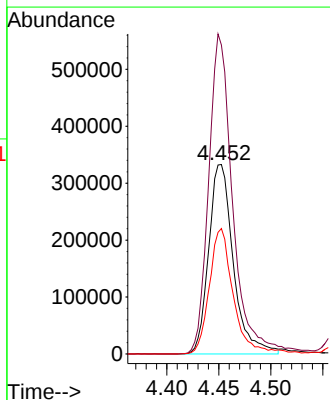
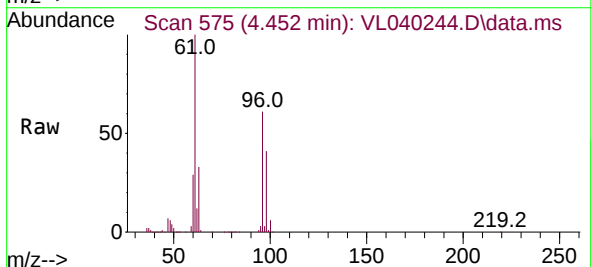
Manual Integrations  
 APPROVED

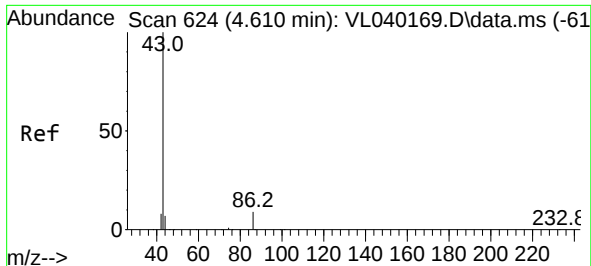
Reviewed By :Semsettin Yesilyurt 03/01/2023  
 Supervised By :Mahesh Dadoda 03/01/2023



#22  
 trans-1,2-Dichloroethene  
 Concen: 11.261 ppbv  
 RT: 4.452 min Scan# 575  
 Delta R.T. 0.000 min  
 Lab File: VL040244.D  
 Acq: 28 Feb 2023 11:15

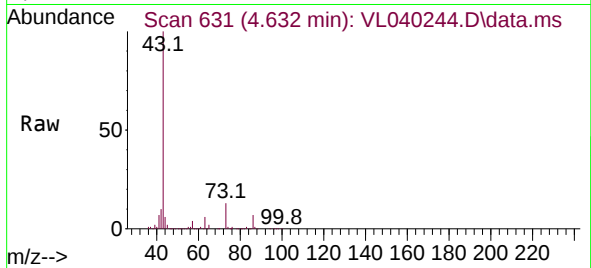
Tgt Ion: 96 Resp: 550134  
 Ion Ratio Lower Upper  
 96 100  
 61 163.1 137.5 206.3  
 98 66.2 52.8 79.2





#23  
Vinyl Acetate  
Concen: 10.647 ppbv  
RT: 4.632 min Scan# 612  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

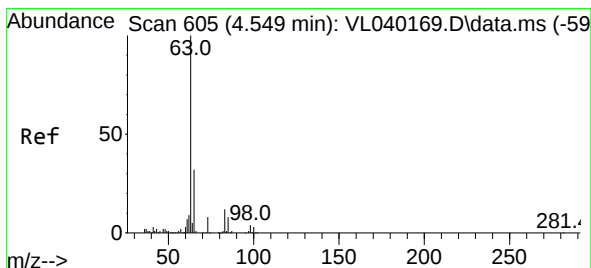
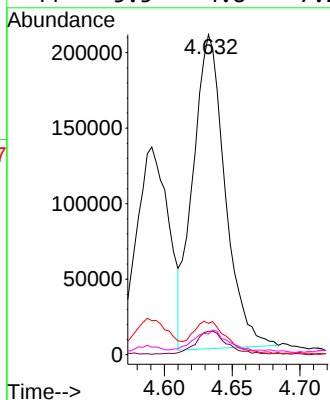
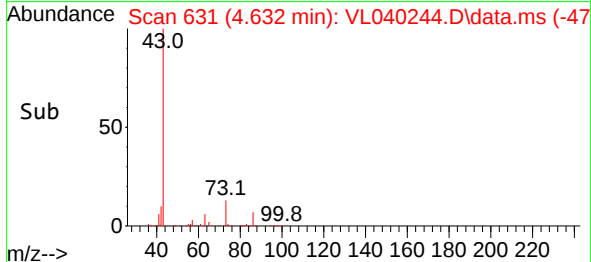
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



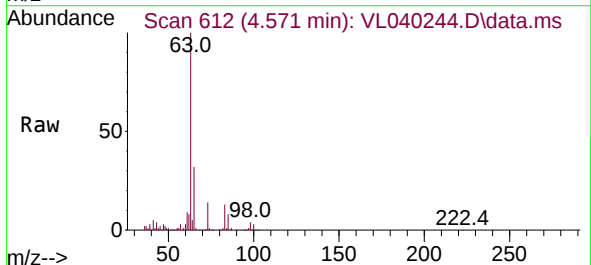
Tgt Ion: 43 Resp: 342384  
Ion Ratio Lower Upper  
43 100  
86 6.8 5.6 8.4  
42 9.7 7.6 11.4  
44 5.5 4.8 7.2

Manual Integrations  
APPROVED

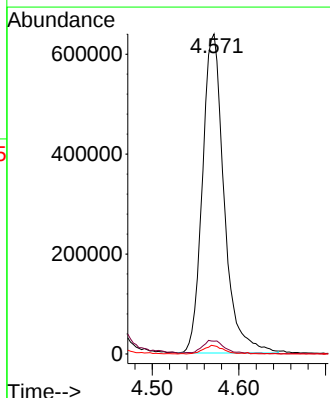
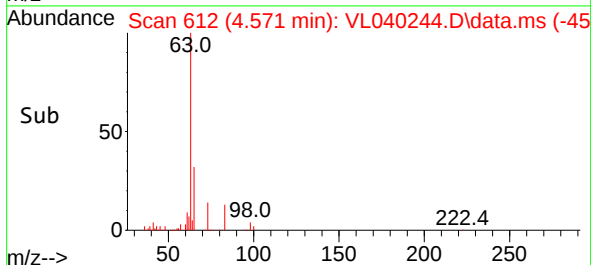
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023

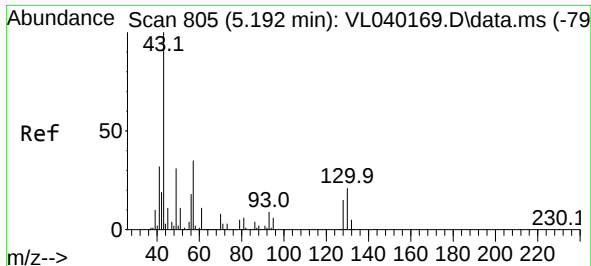


#24  
1,1-Dichloroethane  
Concen: 11.013 ppbv  
RT: 4.571 min Scan# 612  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15



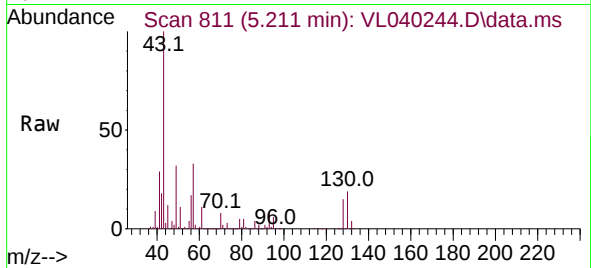
Tgt Ion: 63 Resp: 1106940  
Ion Ratio Lower Upper  
63 100  
98 3.8 2.3 6.8  
100 2.6 1.4 4.0





#25  
Ethyl Acetate  
Concen: 10.114 ppbv  
RT: 5.211 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

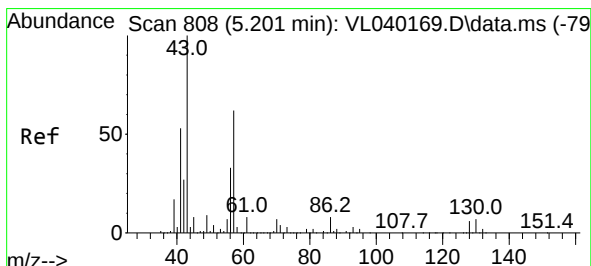
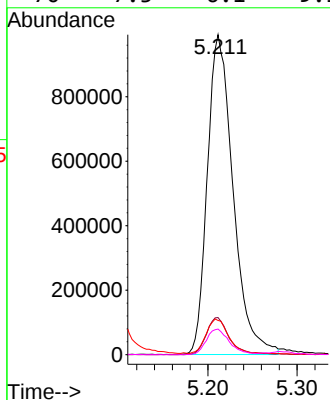
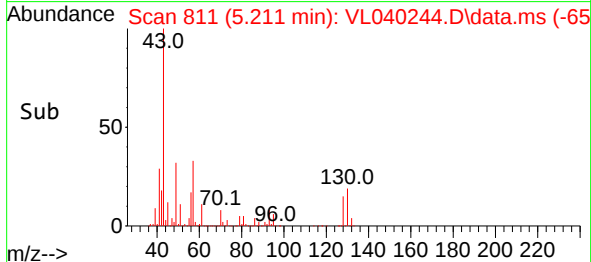
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



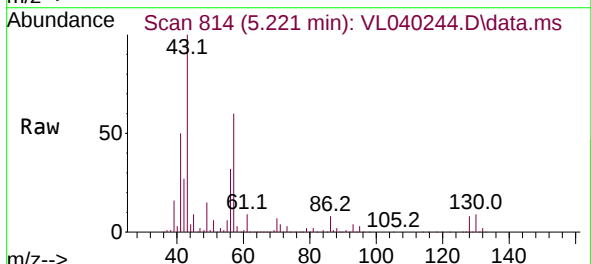
Tgt Ion: 43 Resp: 1992160  
Ion Ratio Lower Upper  
43 100  
45 10.5 8.3 12.5  
61 10.4 8.4 12.6  
70 7.3 6.1 9.1

Manual Integrations  
APPROVED

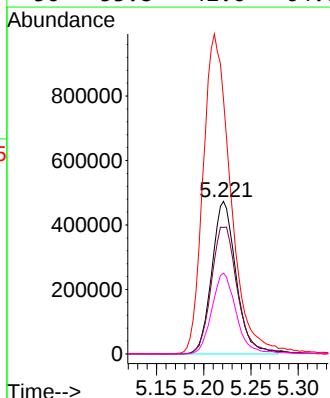
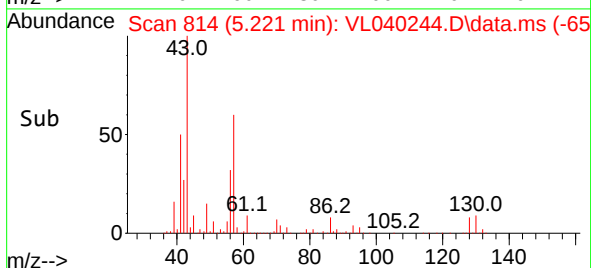
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023

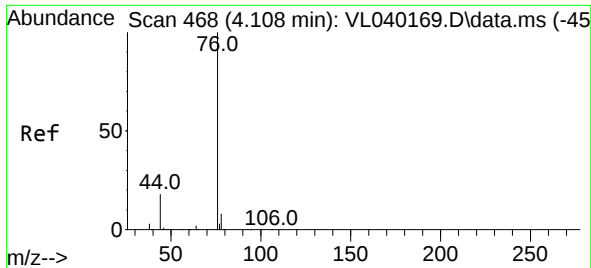


#26  
Hexane  
Concen: 9.973 ppbv  
RT: 5.221 min Scan# 814  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15



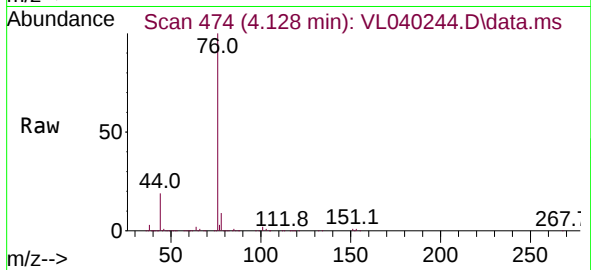
Tgt Ion: 57 Resp: 843365  
Ion Ratio Lower Upper  
57 100  
41 91.2 74.3 111.5  
43 240.3 193.0 289.4  
56 53.8 42.6 64.0





#27  
Carbon Disulfide  
Concen: 12.350 ppbv  
RT: 4.128 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

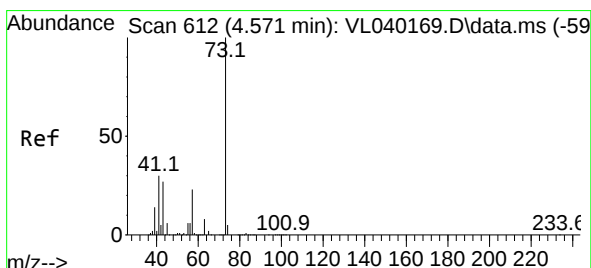
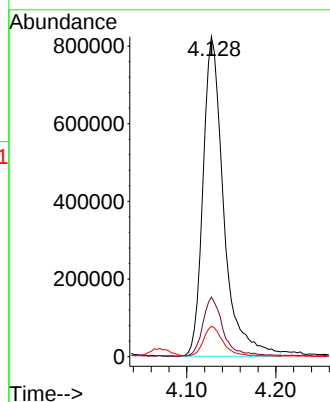
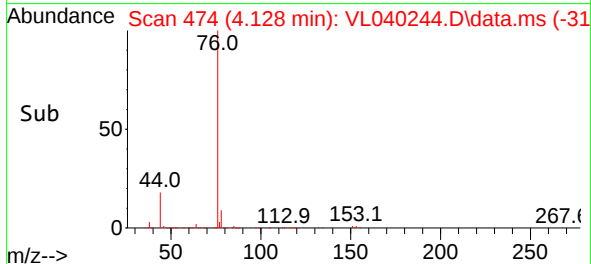
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



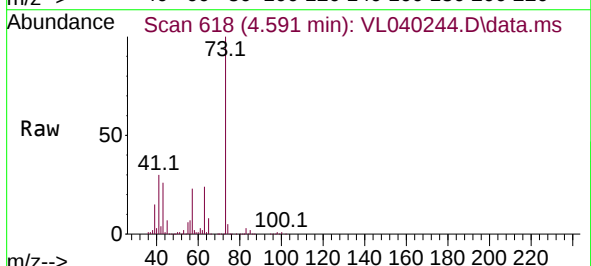
Tgt Ion: 76 Resp: 132518  
Ion Ratio Lower Upper  
76 100  
44 18.5 15.3 22.9  
78 9.3 7.7 11.5

Manual Integrations  
APPROVED

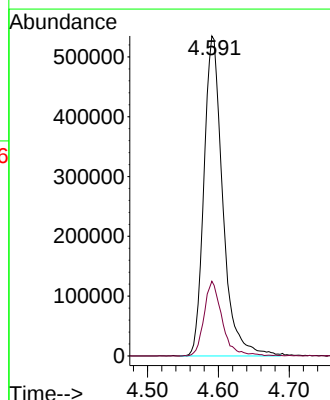
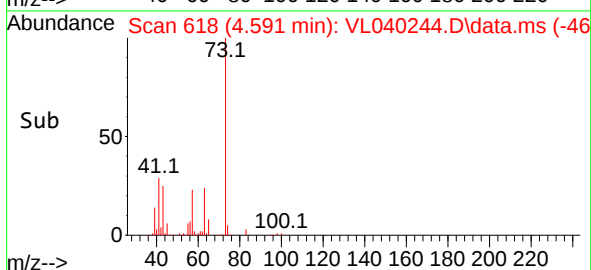
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023

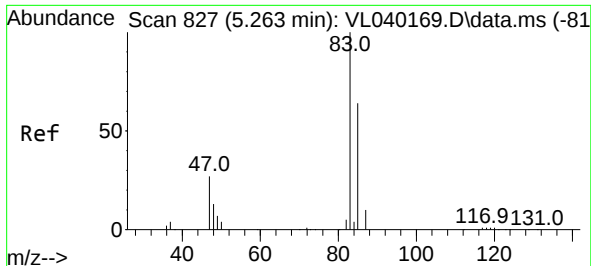


#28  
Methyl tert-Butyl Ether  
Concen: 10.891 ppbv  
RT: 4.591 min Scan# 618  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15



Tgt Ion: 73 Resp: 986821  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.8 28.2





#29

Chloroform

Concen: 10.421 ppbv

RT: 5.282 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040244.D

Acq: 28 Feb 2023 11:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0228ABS01

Tgt Ion: 83 Resp: 1513074

Ion Ratio Lower Upper

83 100

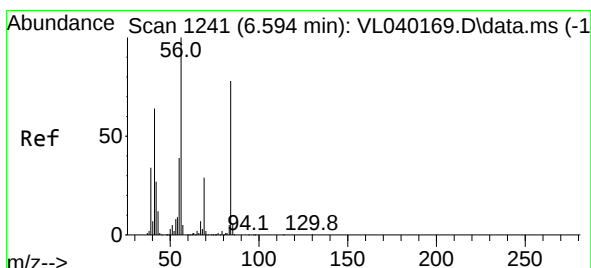
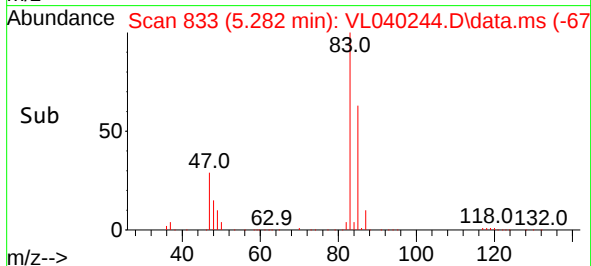
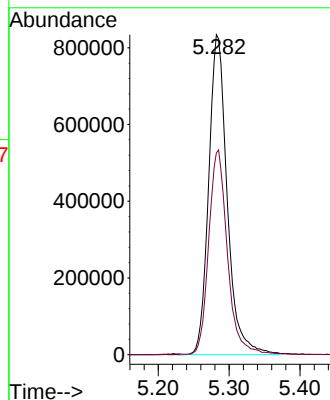
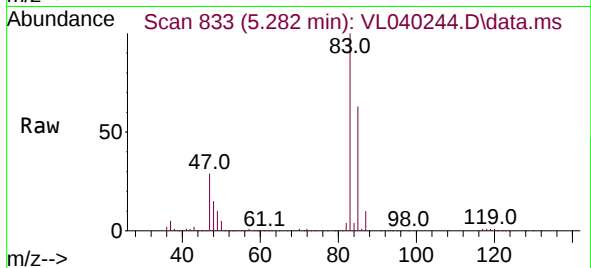
85 62.8 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/01/2023

Supervised By :Mahesh Dadoda 03/01/2023



#30

Cyclohexane

Concen: 11.088 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VL040244.D

Acq: 28 Feb 2023 11:15

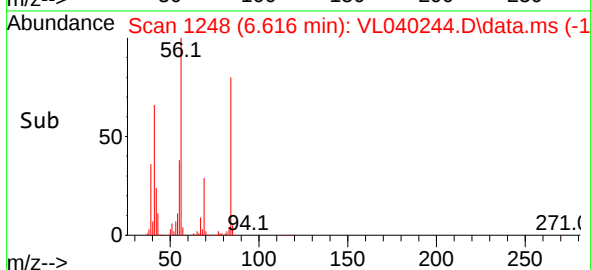
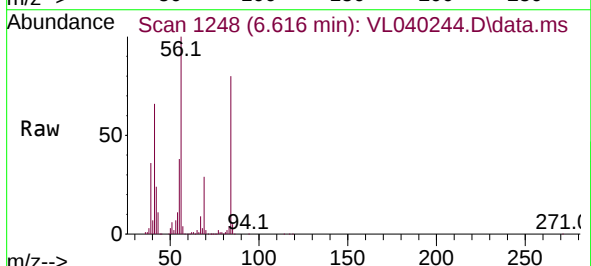
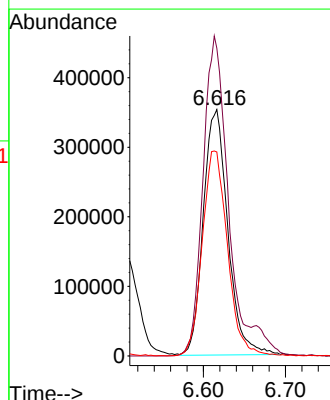
Tgt Ion: 84 Resp: 736220

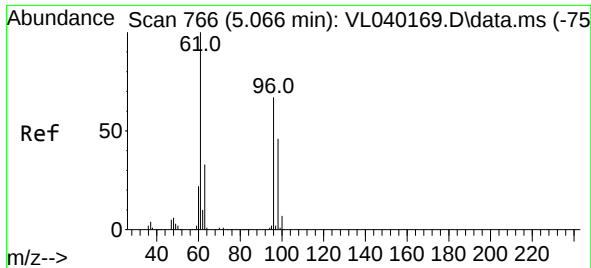
Ion Ratio Lower Upper

84 100

56 137.6 109.9 164.9

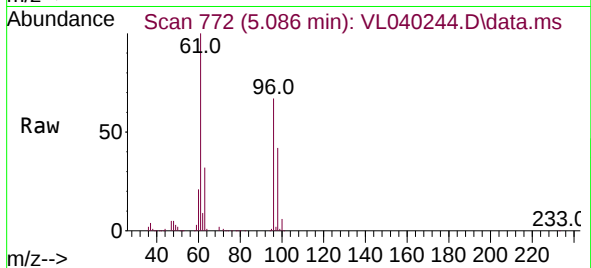
41 86.3 67.8 101.6





#31  
 cis-1,2-Dichloroethene  
 Concen: 10.521 ppbv  
 RT: 5.086 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VL040244.D  
 Acq: 28 Feb 2023 11:15

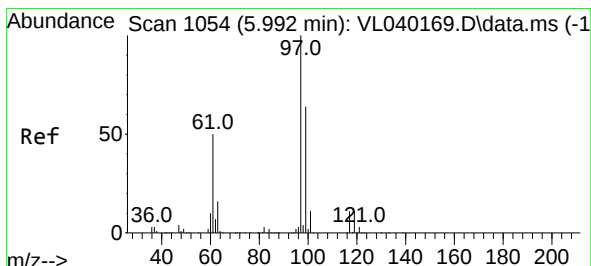
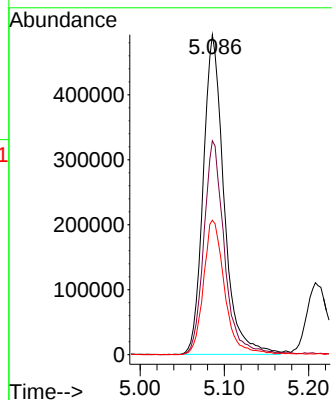
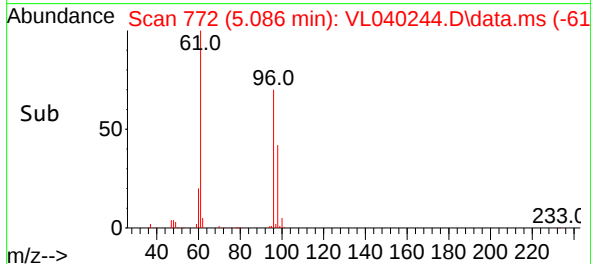
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0228ABS01



Tgt Ion: 61 Resp: 845290  
 Ion Ratio Lower Upper  
 61 100  
 96 66.9 53.7 80.5  
 98 42.0 36.4 54.6

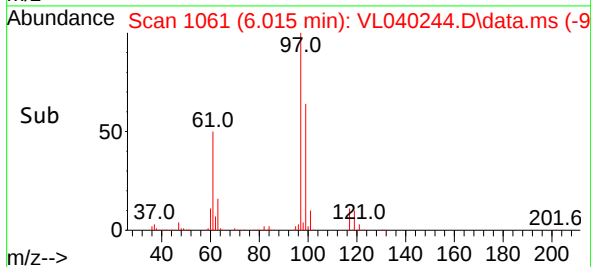
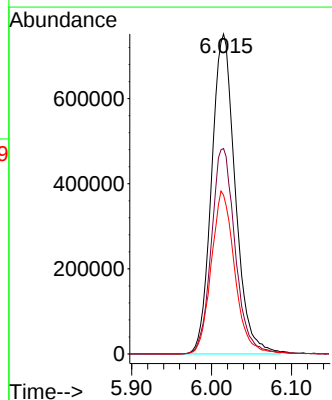
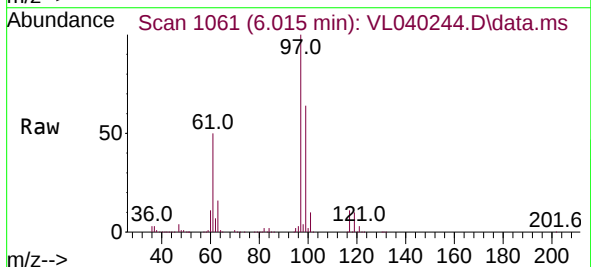
Manual Integrations  
 APPROVED

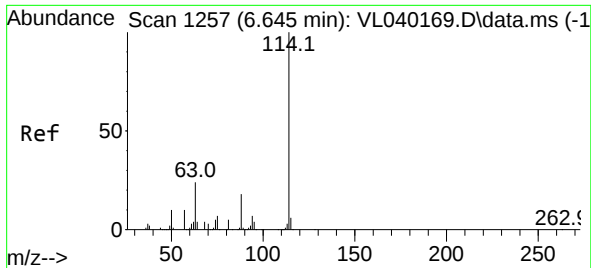
Reviewed By :Semsettin Yesilyurt 03/01/2023  
 Supervised By :Mahesh Dadoda 03/01/2023



#32  
 1,1,1-Trichloroethane  
 Concen: 11.326 ppbv  
 RT: 6.015 min Scan# 1061  
 Delta R.T. 0.000 min  
 Lab File: VL040244.D  
 Acq: 28 Feb 2023 11:15

Tgt Ion: 97 Resp: 1545037  
 Ion Ratio Lower Upper  
 97 100  
 99 64.8 51.5 77.3  
 61 50.4 40.6 60.8





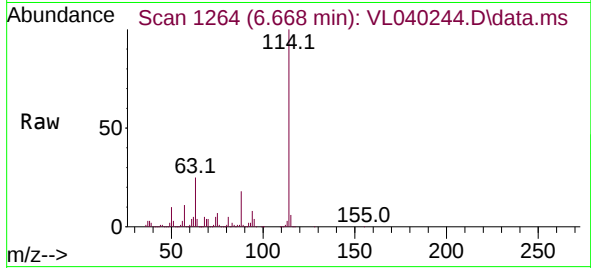
#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.668 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0228ABS01

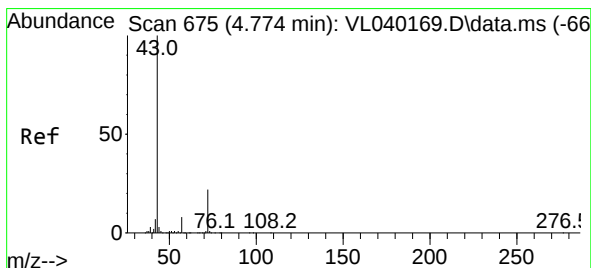
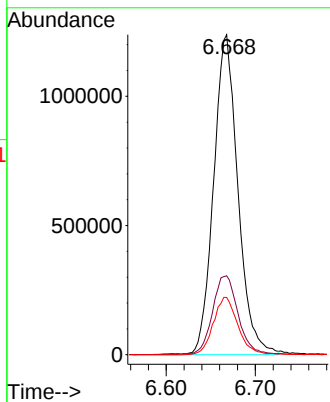
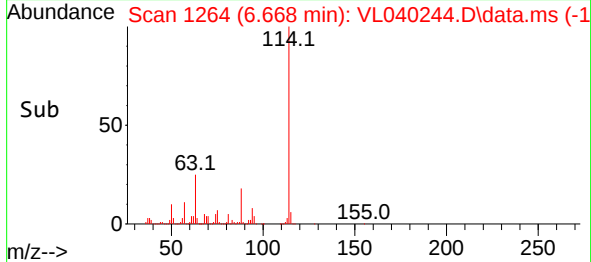


Tgt Ion:114 Resp: 234296  
Ion Ratio Lower Upper  
114 100  
63 26.6 20.4 30.6  
88 18.2 14.3 21.5

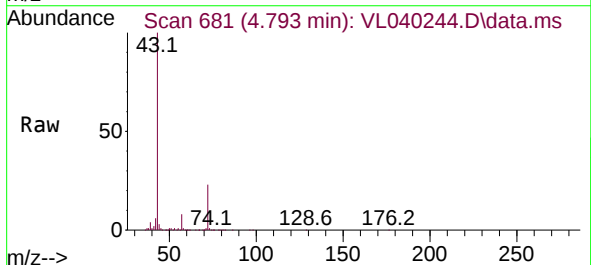
Manual Integrations

APPROVED

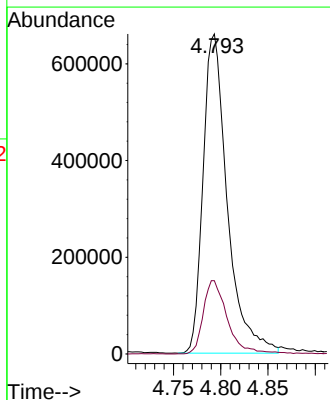
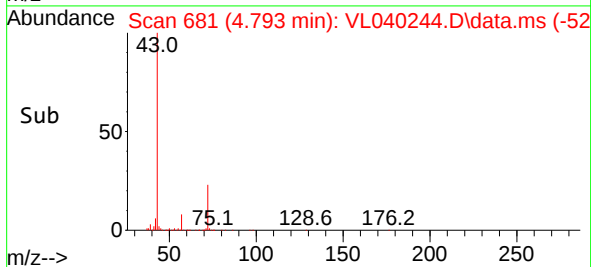
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023

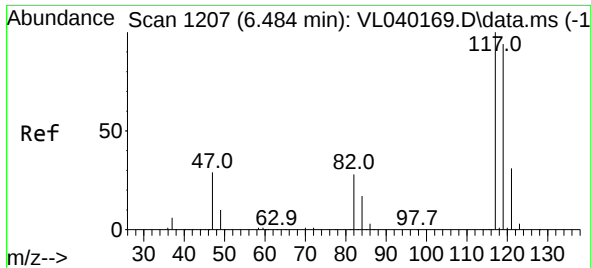


#34  
2-Butanone  
Concen: 10.187 ppbv  
RT: 4.793 min Scan# 681  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15



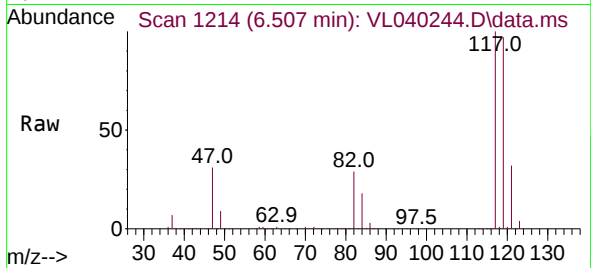
Tgt Ion: 43 Resp: 1177403  
Ion Ratio Lower Upper  
43 100  
72 23.3 17.8 26.8





#35  
Carbon Tetrachloride  
Concen: 11.516 ppbv  
RT: 6.507 min Scan# 1175  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

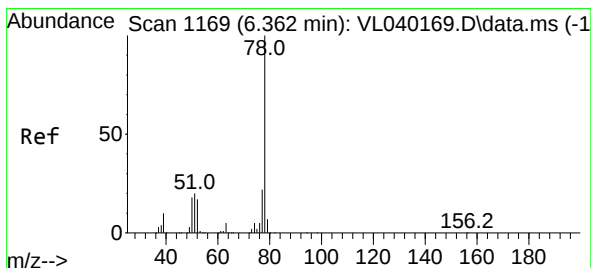
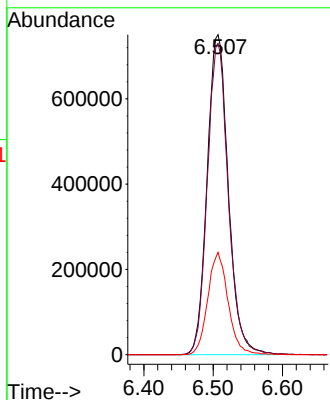
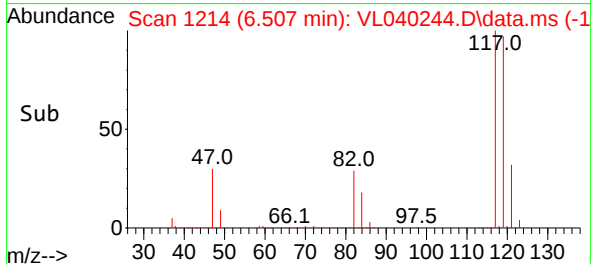
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



Tgt Ion:117 Resp: 1595002  
Ion Ratio Lower Upper  
117 100  
119 97.2 75.0 112.6  
121 31.9 25.0 37.4

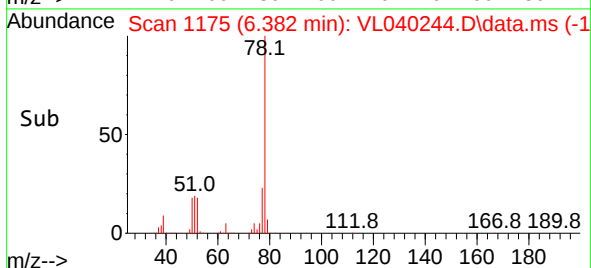
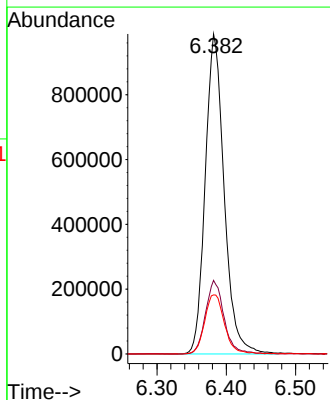
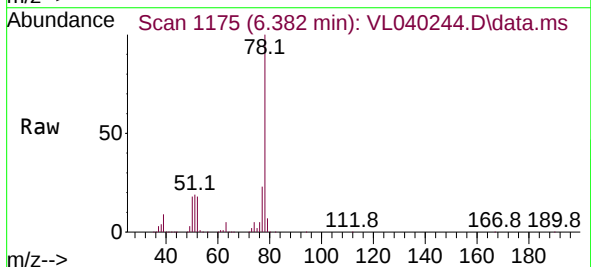
Manual Integrations  
APPROVED

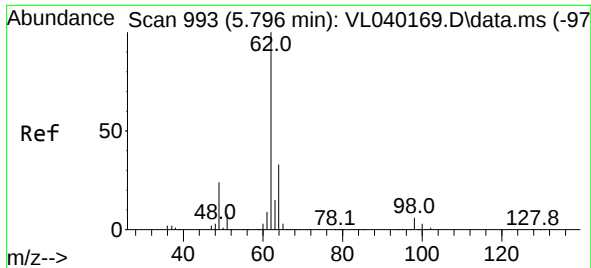
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#36  
Benzene  
Concen: 10.249 ppbv  
RT: 6.382 min Scan# 1175  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

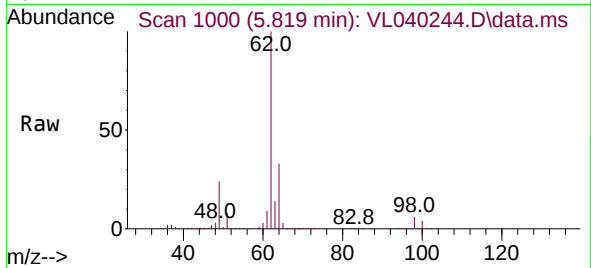
Tgt Ion: 78 Resp: 1868656  
Ion Ratio Lower Upper  
78 100  
77 23.0 17.5 26.3  
50 18.5 14.6 22.0





#37  
1,2-Dichloroethane  
Concen: 10.582 ppbv  
RT: 5.819 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

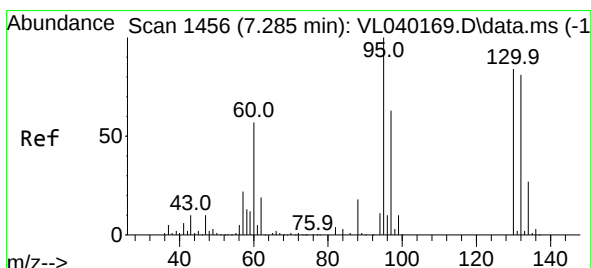
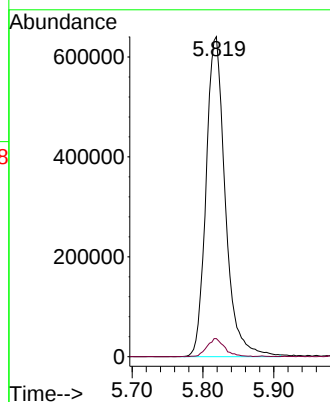
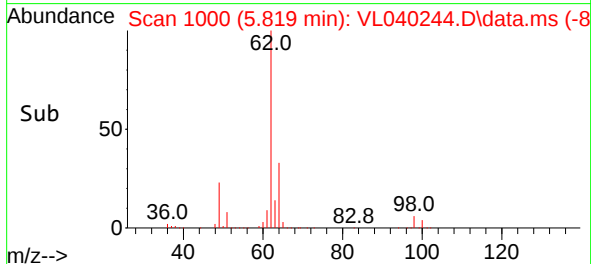
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



Tgt Ion: 62 Resp: 120678  
Ion Ratio Lower Upper  
62 100  
98 5.5 4.7 7.1

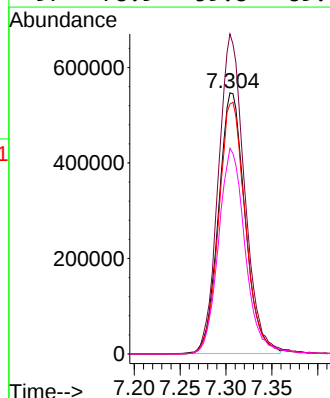
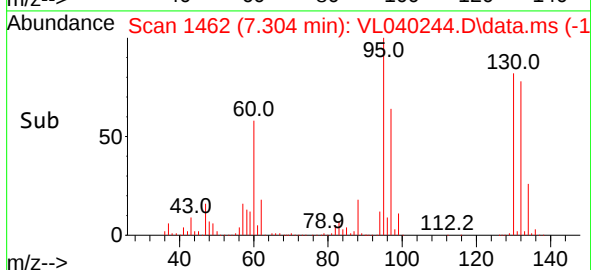
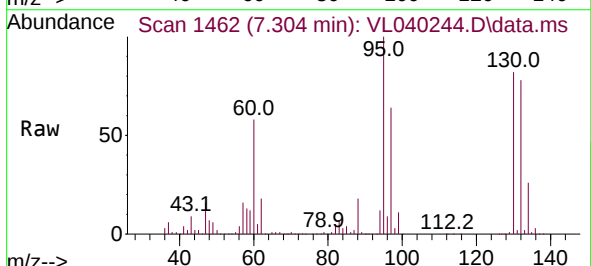
Manual Integrations  
APPROVED

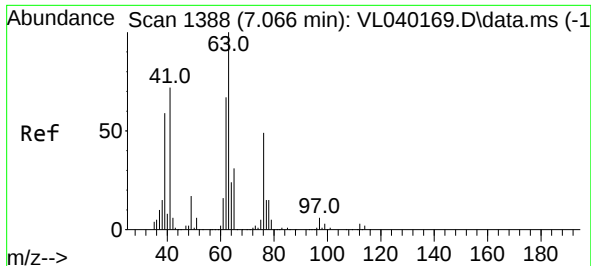
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#38  
Trichloroethene  
Concen: 10.878 ppbv  
RT: 7.304 min Scan# 1462  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Tgt Ion:130 Resp: 1092944  
Ion Ratio Lower Upper  
130 100  
95 122.8 94.7 142.1  
132 96.0 76.4 114.6  
97 78.9 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.124 ppbv

RT: 7.086 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040244.D

Acq: 28 Feb 2023 11:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0228ABS01

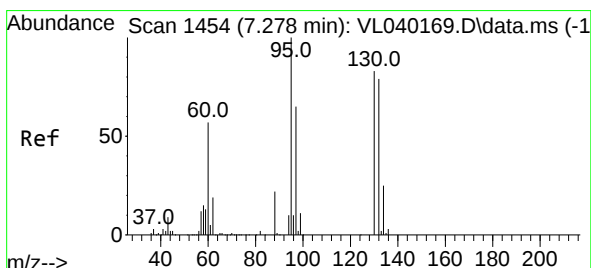
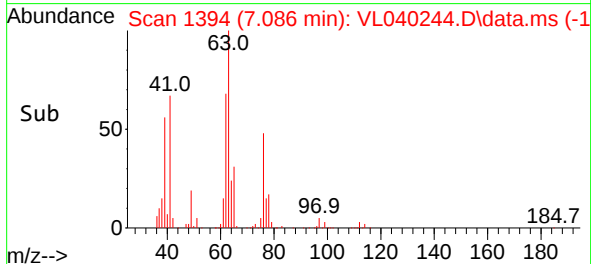
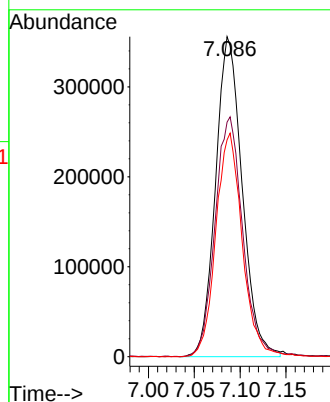
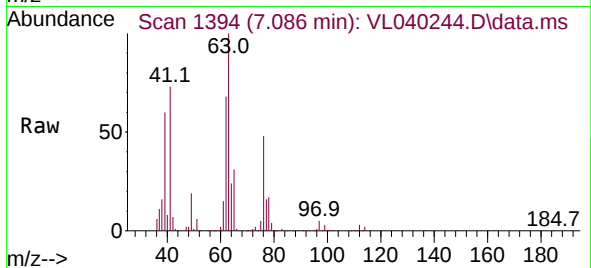
Tgt Ion: 63 Resp: 718118

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 73.3  | 57.6  | 86.4  |
| 62  | 67.7  | 54.0  | 81.0  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#40

1,4-Dioxane

Concen: 9.599 ppbv

RT: 7.301 min Scan# 1461

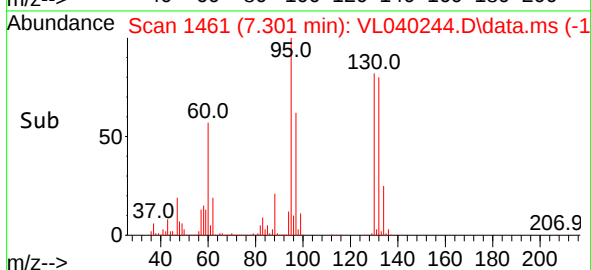
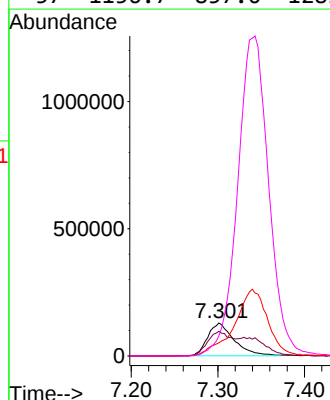
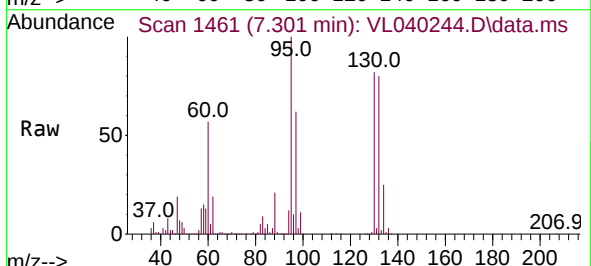
Delta R.T. 0.000 min

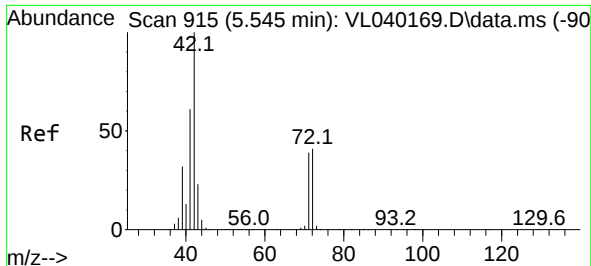
Lab File: VL040244.D

Acq: 28 Feb 2023 11:15

Tgt Ion: 88 Resp: 272351

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 88  | 100    |       |        |
| 58  | 127.5  | 97.4  | 146.0  |
| 43  | 257.4  | 193.5 | 290.3  |
| 57  | 1156.7 | 857.0 | 1285.6 |





#41

Tetrahydrofuran

Concen: 10.173 ppbv

RT: 5.568 min Scan# 915

Delta R.T. 0.000 min

Lab File: VL040244.D

Acq: 28 Feb 2023 11:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0228ABS01

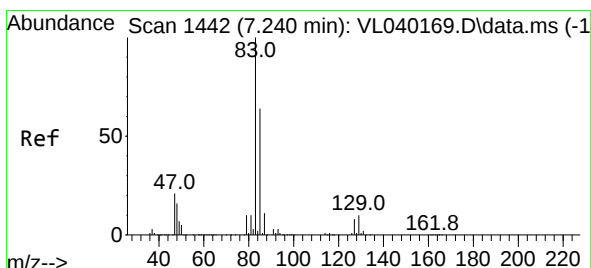
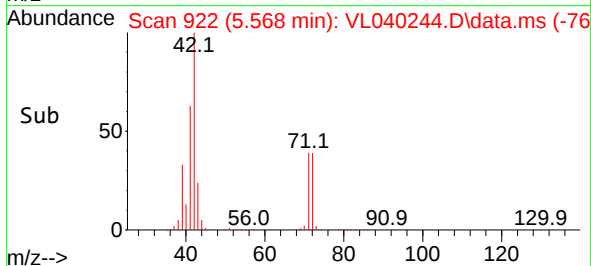
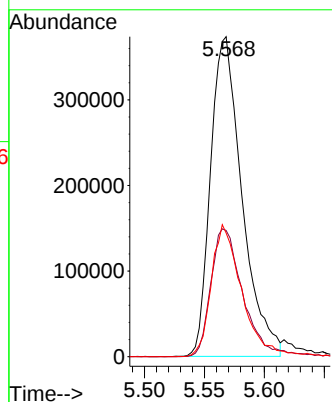
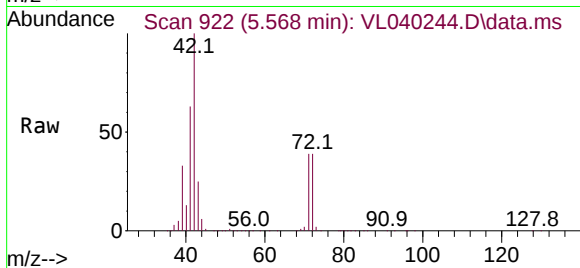
Tgt Ion: 42 Resp: 681390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 41.3  | 33.0  | 49.4  |
| 71  | 40.7  | 31.4  | 47.2  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#42

Bromodichloromethane

Concen: 10.864 ppbv

RT: 7.263 min Scan# 1449

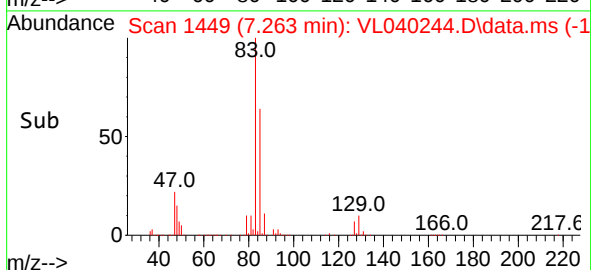
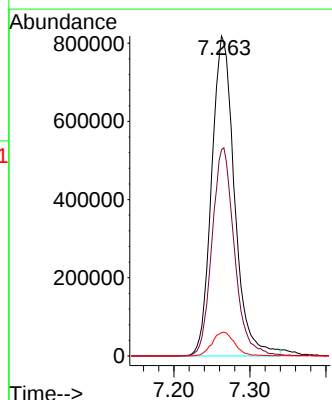
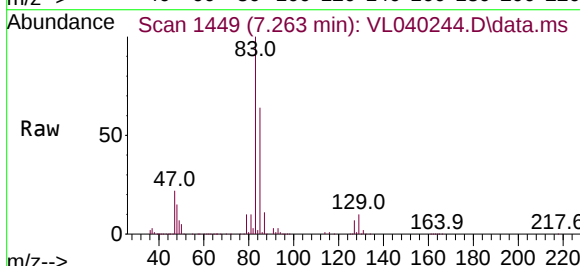
Delta R.T. 0.000 min

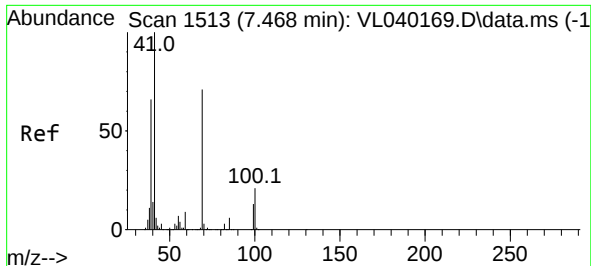
Lab File: VL040244.D

Acq: 28 Feb 2023 11:15

Tgt Ion: 83 Resp: 1710062

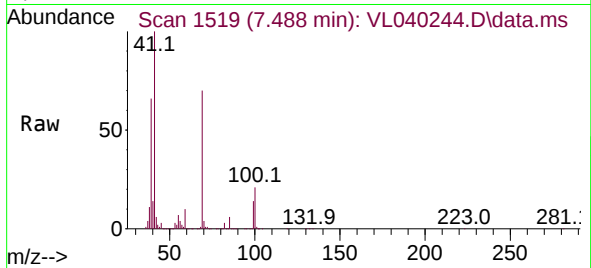
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.5  | 50.9  | 76.3  |
| 127 | 7.3   | 6.2   | 9.2   |





#43  
Methyl Methacrylate  
Concen: 11.080 ppbv  
RT: 7.488 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

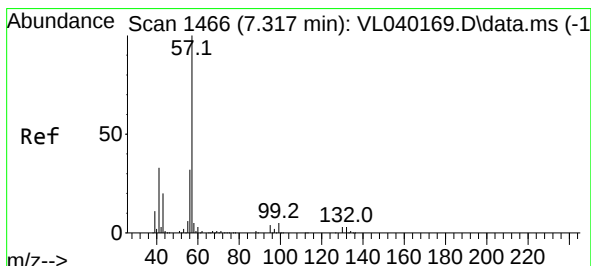
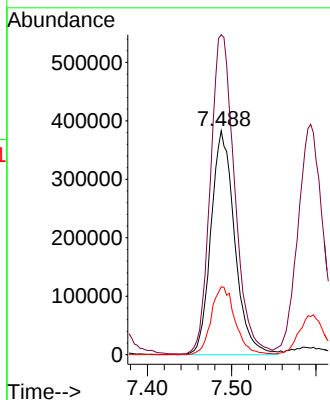
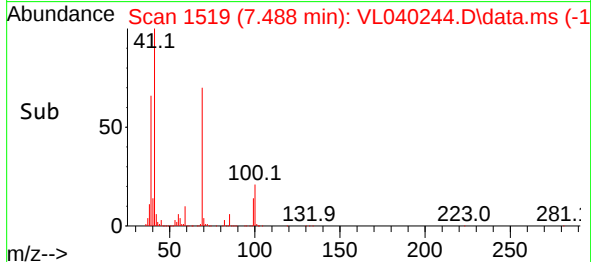
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



Tgt Ion: 69 Resp: 74752  
Ion Ratio Lower Upper  
69 100  
41 146.6 116.6 174.8  
100 30.6 25.6 38.4

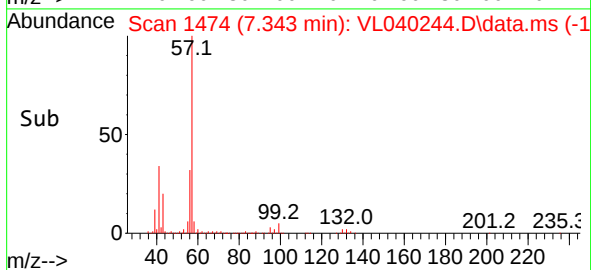
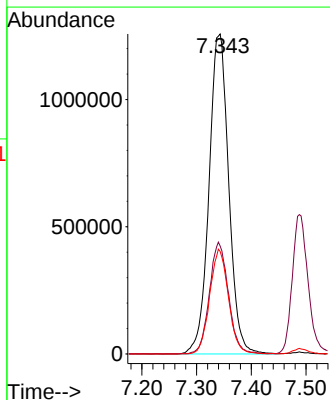
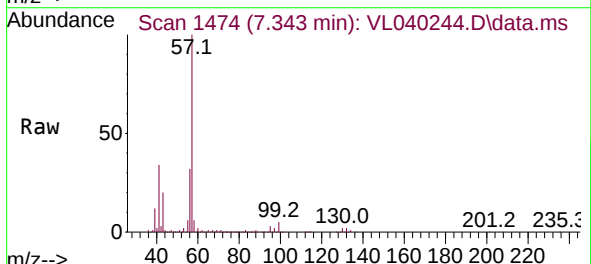
Manual Integrations  
APPROVED

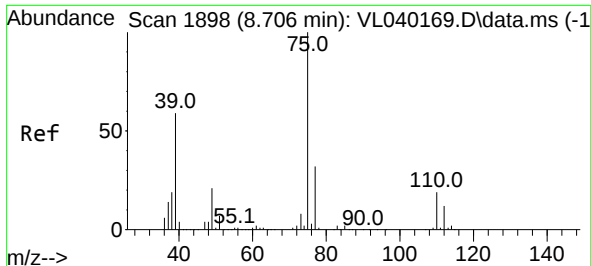
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#44  
2,2,4-Trimethylpentane  
Concen: 10.340 ppbv  
RT: 7.343 min Scan# 1474  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Tgt Ion: 57 Resp: 3147246  
Ion Ratio Lower Upper  
57 100  
41 33.8 26.2 39.4  
56 31.2 24.9 37.3





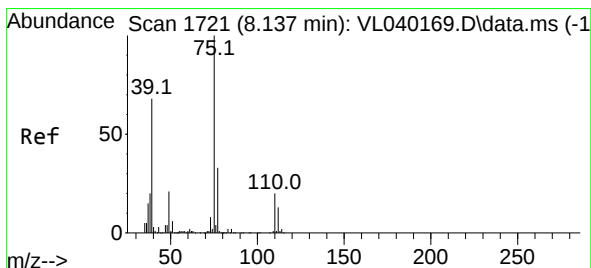
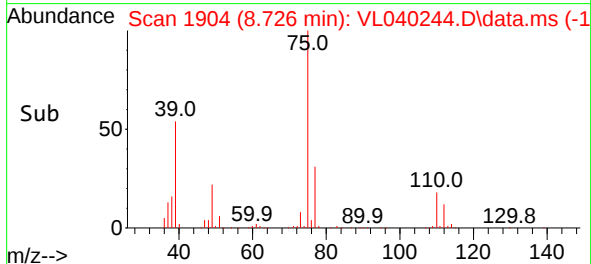
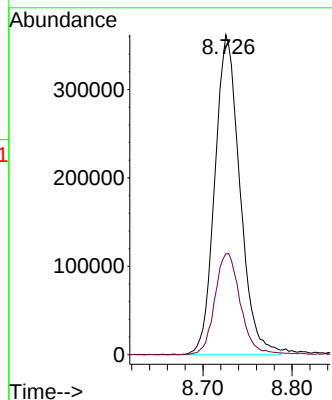
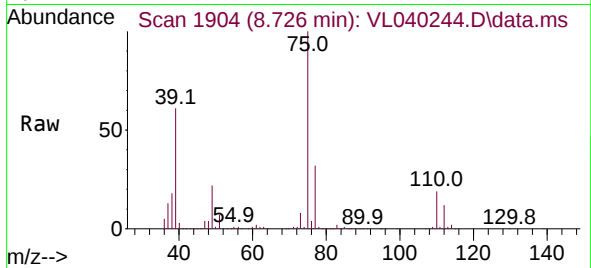
#45  
 t-1,3-Dichloropropene  
 Concen: 11.846 ppbv  
 RT: 8.726 min Scan# 1904  
 Delta R.T. -0.003 min  
 Lab File: VL040244.D  
 Acq: 28 Feb 2023 11:15

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0228ABS01

Tgt Ion: 75 Resp: 708979  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.7 38.5

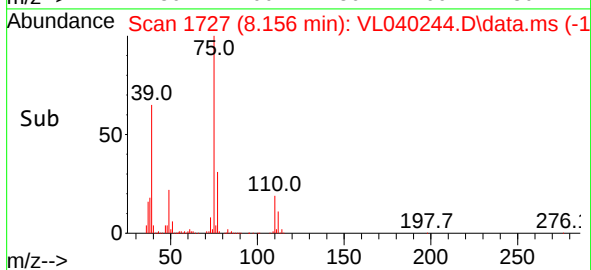
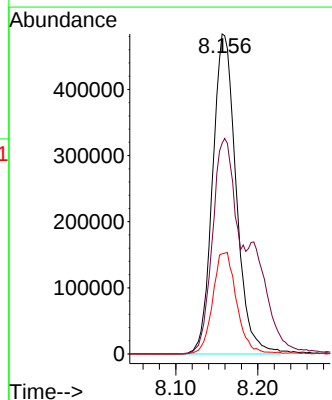
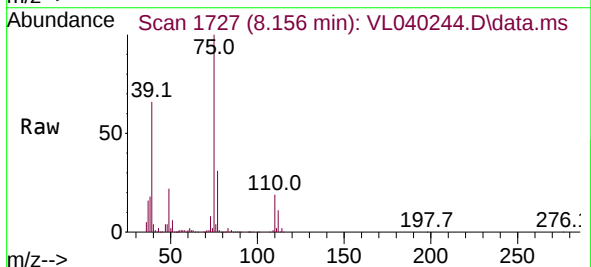
Manual Integrations  
 APPROVED

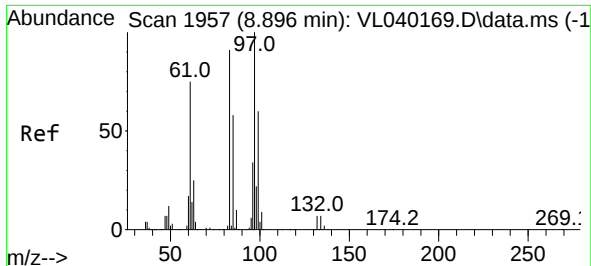
Reviewed By :Semsettin Yesilyurt 03/01/2023  
 Supervised By :Mahesh Dadoda 03/01/2023



#46  
 cis-1,3-Dichloropropene  
 Concen: 11.603 ppbv  
 RT: 8.156 min Scan# 1727  
 Delta R.T. -0.003 min  
 Lab File: VL040244.D  
 Acq: 28 Feb 2023 11:15

Tgt Ion: 75 Resp: 967422  
 Ion Ratio Lower Upper  
 75 100  
 39 65.8 54.2 81.2  
 77 31.2 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 10.171 ppbv

RT: 8.915 min Scan# 1957

Delta R.T. -0.003 min

Lab File: VL040244.D

Acq: 28 Feb 2023 11:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0228ABS01

Tgt Ion: 97 Resp: 780339

Ion Ratio Lower Upper

97 100

83 91.6 72.8 109.2

85 61.3 46.6 69.8

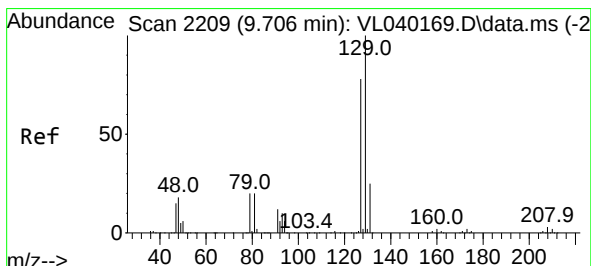
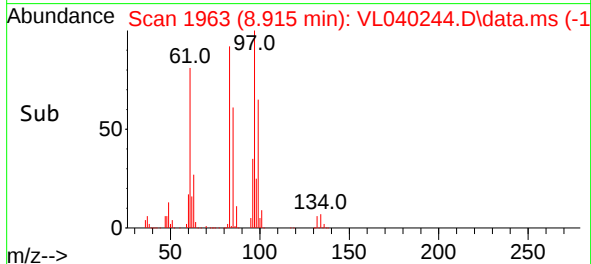
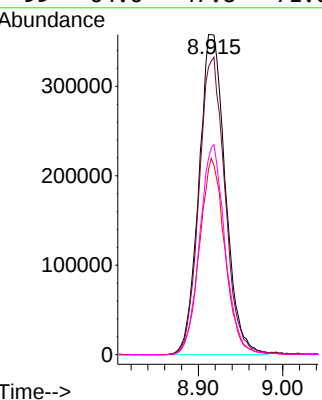
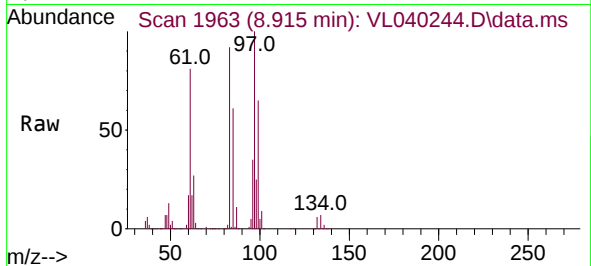
99 64.6 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/01/2023

Supervised By :Mahesh Dadoda 03/01/2023



#48

Dibromochloromethane

Concen: 11.080 ppbv

RT: 9.726 min Scan# 2215

Delta R.T. -0.003 min

Lab File: VL040244.D

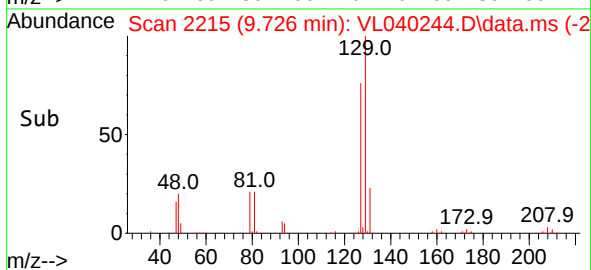
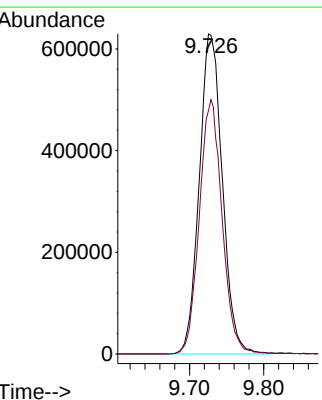
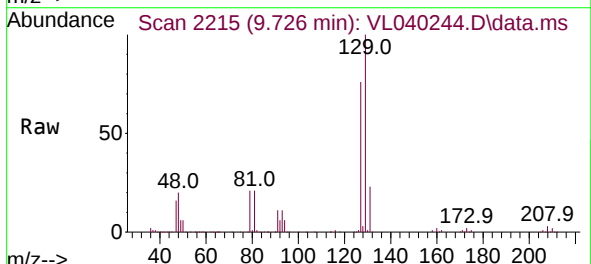
Acq: 28 Feb 2023 11:15

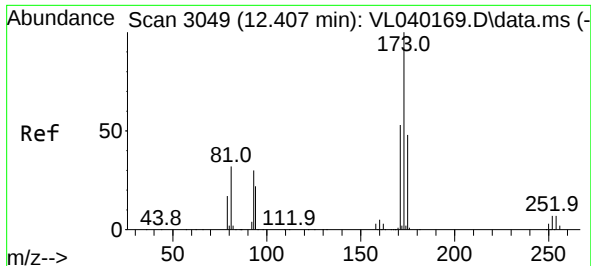
Tgt Ion:129 Resp: 1359590

Ion Ratio Lower Upper

129 100

127 78.6 39.1 117.2





#49

Bromoform

Concen: 11.027 ppbv

RT: 12.430 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL040244.D

Acq: 28 Feb 2023 11:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0228ABS01

Tgt Ion:173 Resp: 105609

Ion Ratio Lower Upper

173 100

175 49.5 39.4 59.0

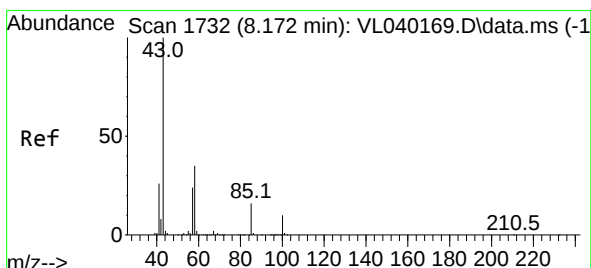
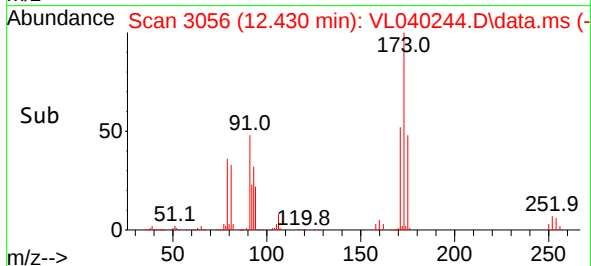
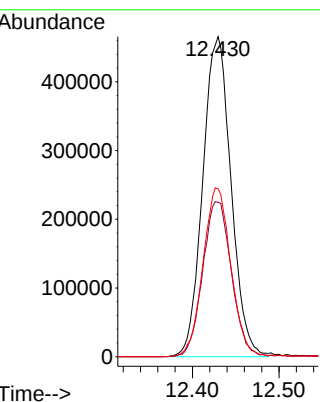
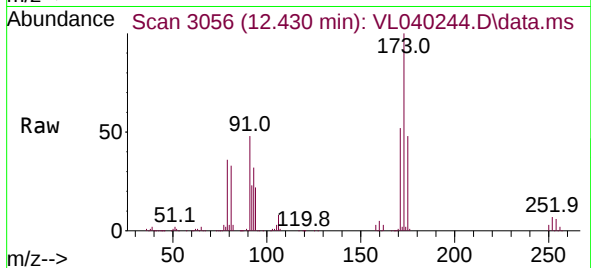
171 52.2 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/01/2023

Supervised By :Mahesh Dadoda 03/01/2023



#50

4-Methyl-2-Pentanone

Concen: 10.993 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.000 min

Lab File: VL040244.D

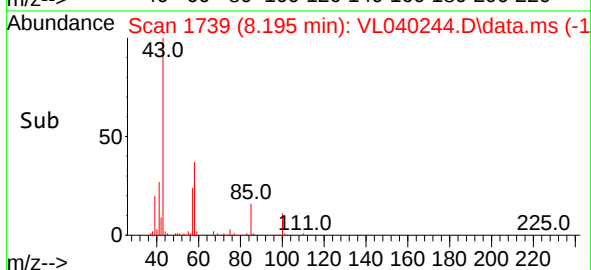
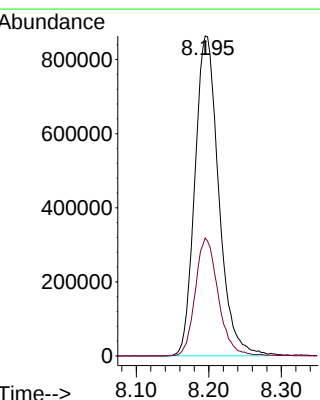
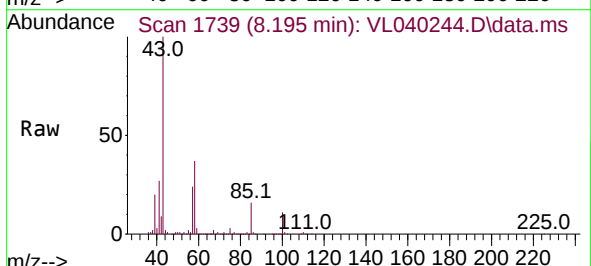
Acq: 28 Feb 2023 11:15

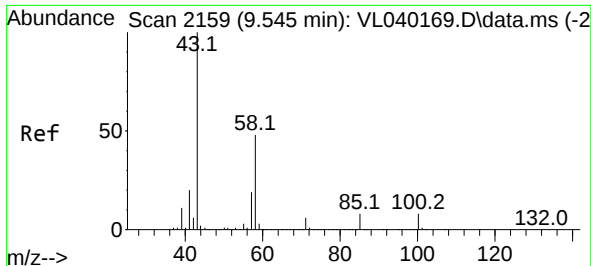
Tgt Ion: 43 Resp: 1972793

Ion Ratio Lower Upper

43 100

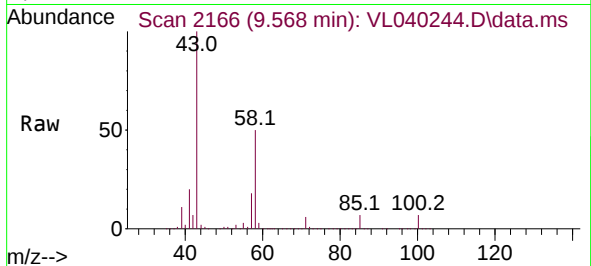
58 35.8 29.2 43.8





#51  
2-Hexanone  
Concen: 11.043 ppbv  
RT: 9.568 min Scan# 2159  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

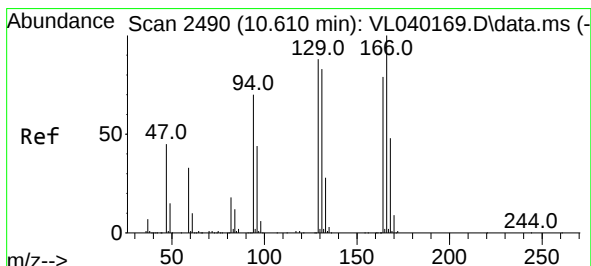
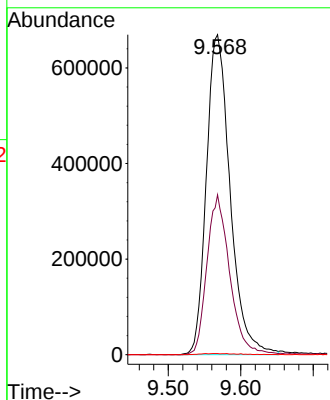
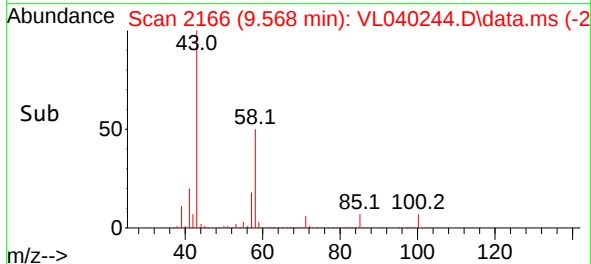
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



Tgt Ion: 43 Resp: 152404  
Ion Ratio Lower Upper  
43 100  
58 48.3 39.1 58.7  
98 0.5 0.2 0.4

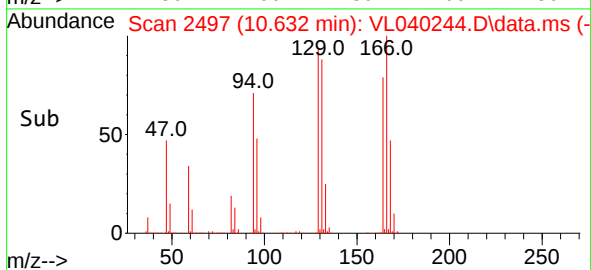
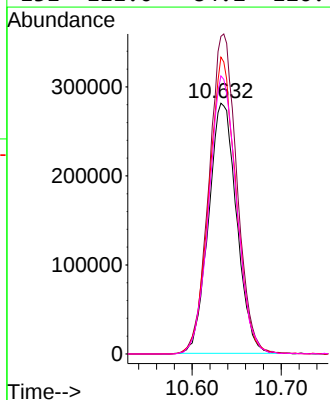
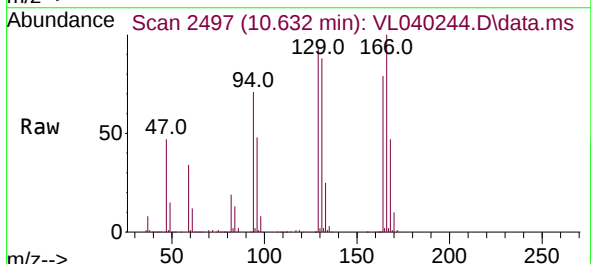
Manual Integrations  
APPROVED

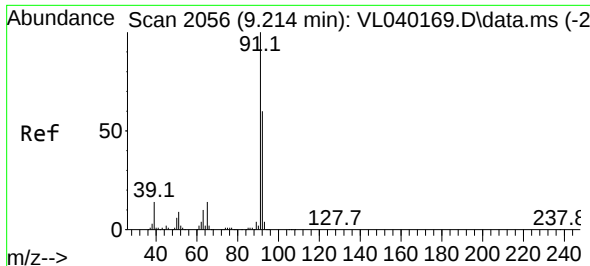
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#52  
Tetrachloroethene  
Concen: 10.752 ppbv  
RT: 10.632 min Scan# 2497  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

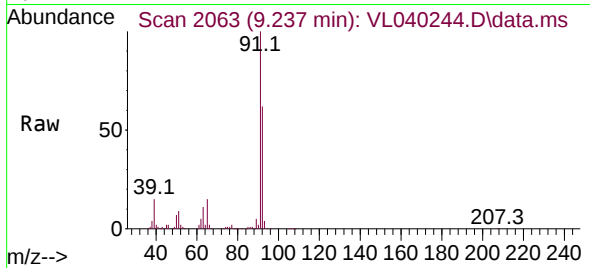
Tgt Ion:164 Resp: 612183  
Ion Ratio Lower Upper  
164 100  
166 126.7 101.5 152.3  
129 118.4 89.0 133.4  
131 111.0 84.2 126.4





#53  
Toluene  
Concen: 10.798 ppbv  
RT: 9.237 min Scan# 2056  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

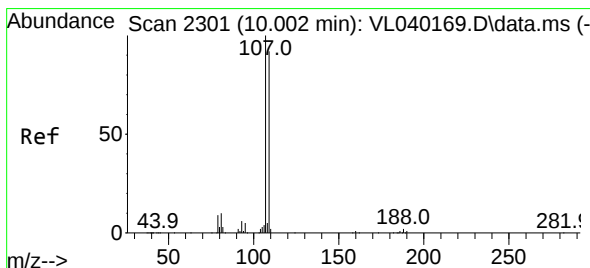
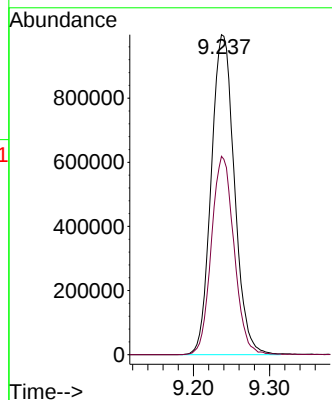
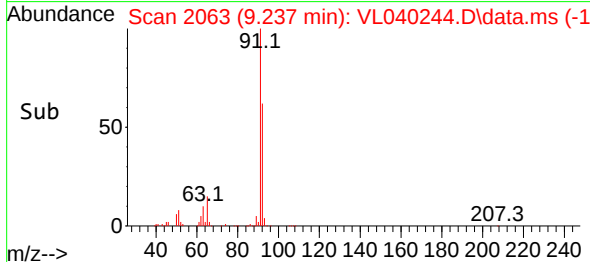
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



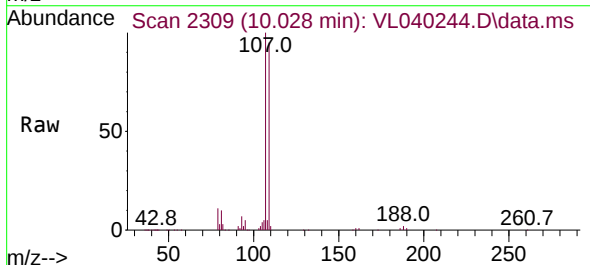
Tgt Ion: 91 Resp: 2108710  
Ion Ratio Lower Upper  
91 100  
92 60.8 48.9 73.3

Manual Integrations  
APPROVED

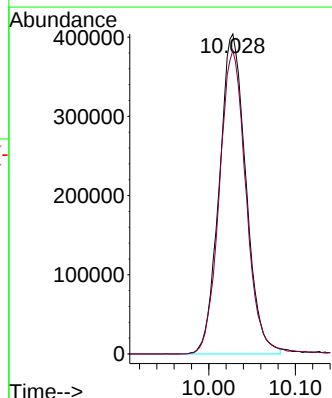
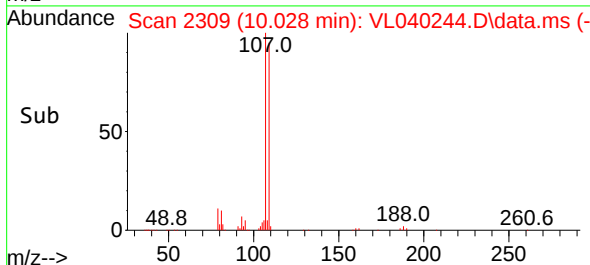
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023

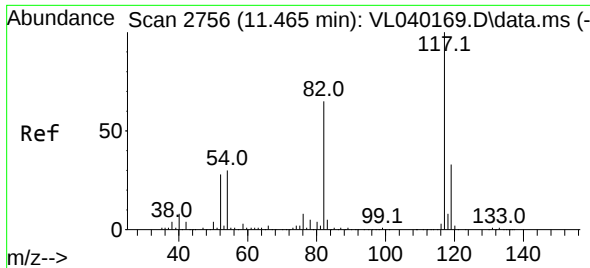


#54  
1,2-Dibromoethane  
Concen: 10.787 ppbv  
RT: 10.028 min Scan# 2309  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15



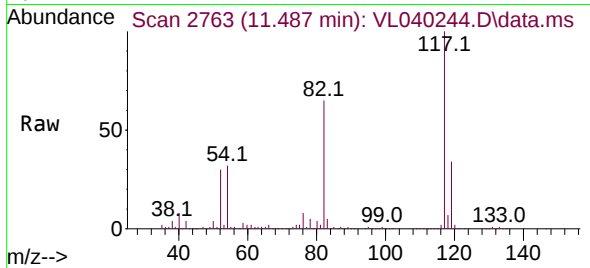
Tgt Ion:107 Resp: 861040  
Ion Ratio Lower Upper  
107 100  
109 94.8 73.8 110.8





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.487 min Scan# 2756  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

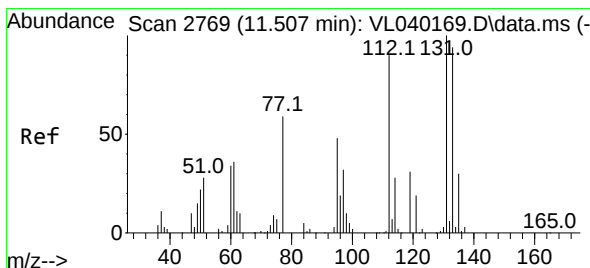
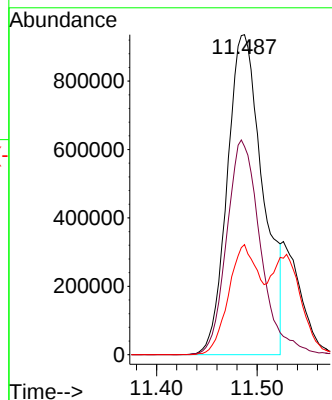
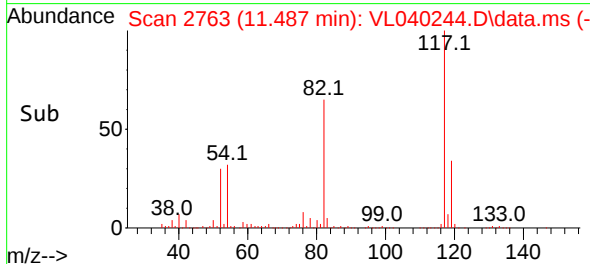
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



Tgt Ion:117 Resp: 2308639  
Ion Ratio Lower Upper  
117 100  
82 64.1 53.3 79.9  
119 27.5 24.6 37.0

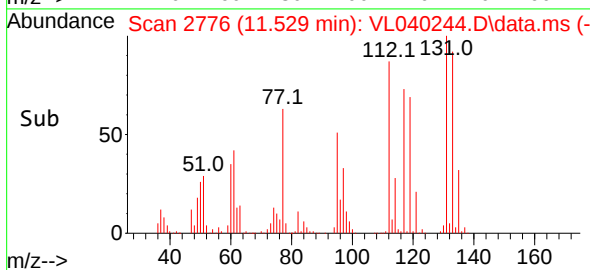
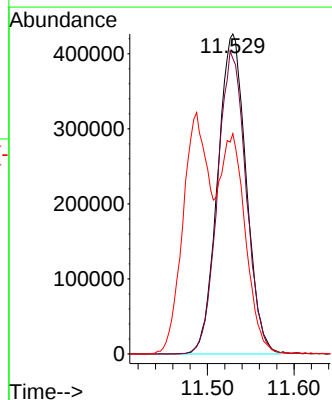
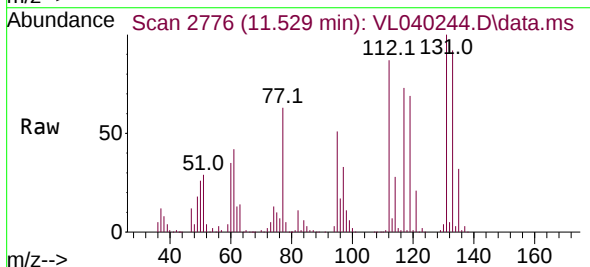
Manual Integrations  
APPROVED

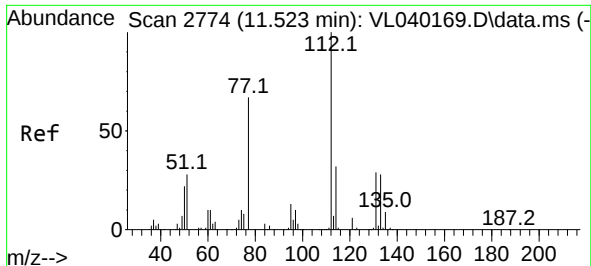
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.050 ppbv  
RT: 11.529 min Scan# 2776  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Tgt Ion:131 Resp: 973902  
Ion Ratio Lower Upper  
131 100  
133 94.7 76.2 114.2  
119 68.4 45.4 68.0#





#57

Chlorobenzene

Concen: 9.655 ppbv

RT: 11.545 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040244.D

Acq: 28 Feb 2023 11:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0228ABS01

Tgt Ion:112 Resp: 1628518

Ion Ratio Lower Upper

112 100

77 68.1 55.0 82.4

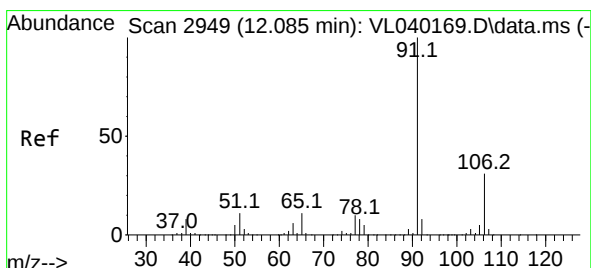
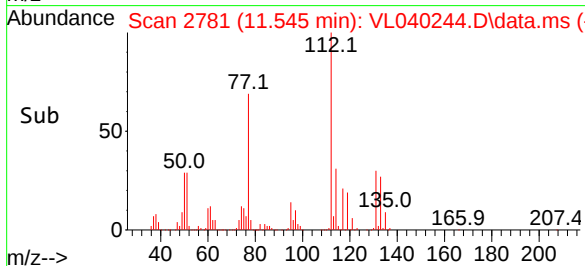
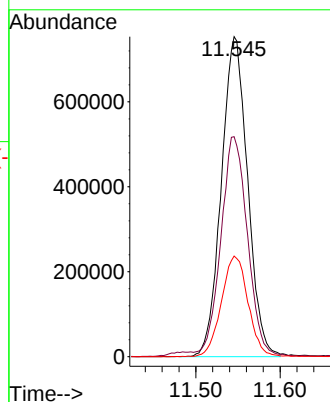
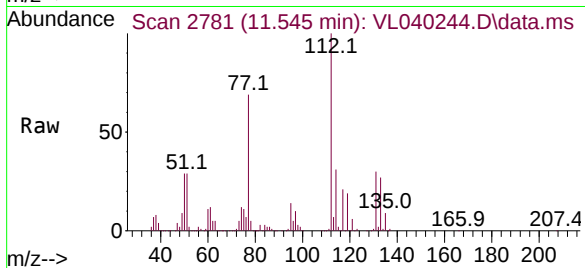
114 31.4 29.0 35.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/01/2023

Supervised By :Mahesh Dadoda 03/01/2023



#58

Ethyl Benzene

Concen: 10.371 ppbv

RT: 12.108 min Scan# 2956

Delta R.T. -0.003 min

Lab File: VL040244.D

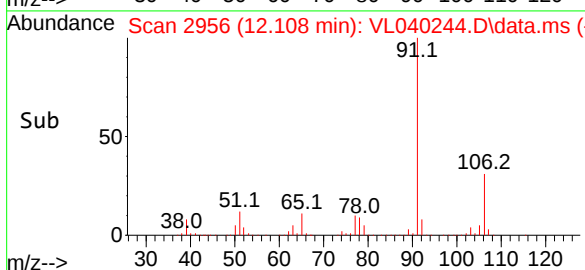
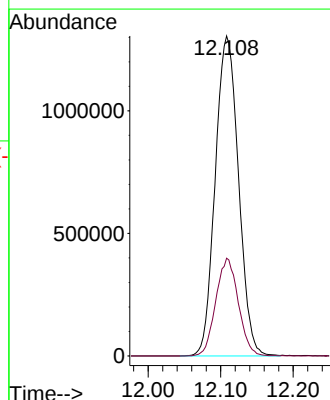
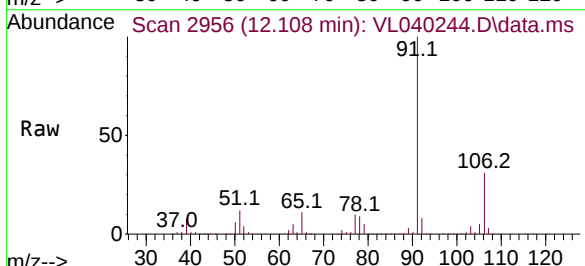
Acq: 28 Feb 2023 11:15

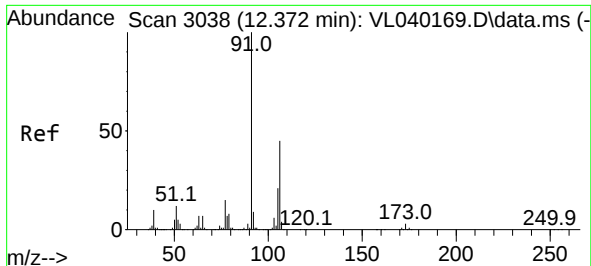
Tgt Ion: 91 Resp: 2909012

Ion Ratio Lower Upper

91 100

106 30.5 24.9 37.3





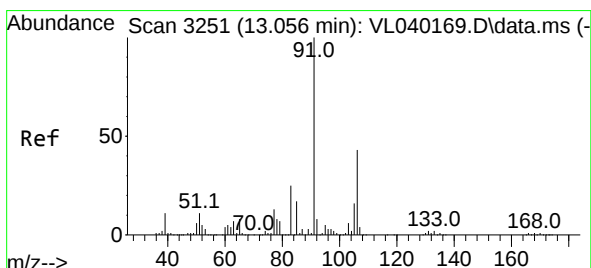
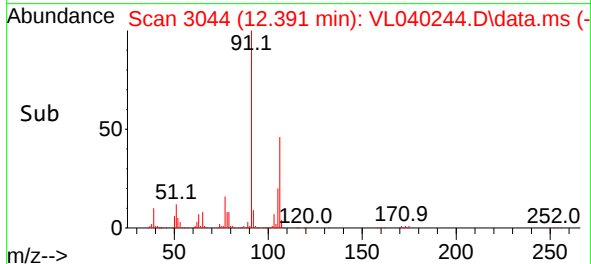
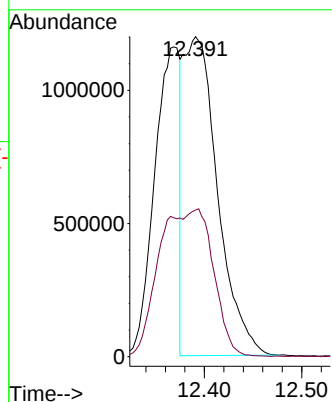
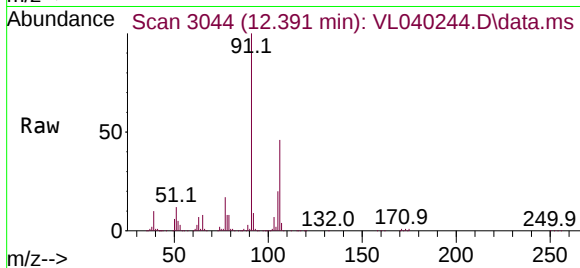
#59  
m/p-Xylene  
Concen: 11.691 ppbv  
RT: 12.391 min Scan# 3038  
Delta R.T. -0.006 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01

Tgt Ion: 91 Resp: 290452  
Ion Ratio Lower Upper  
91 100  
106 74.3 34.6 51.8

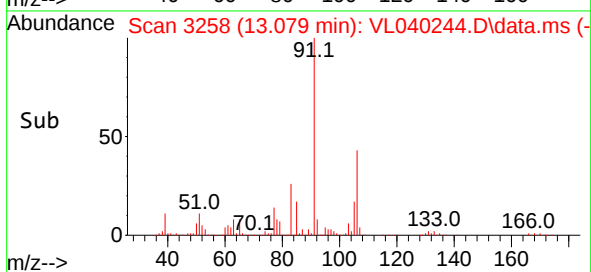
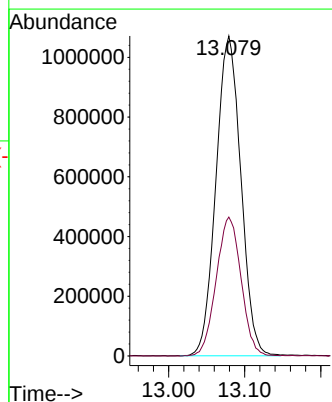
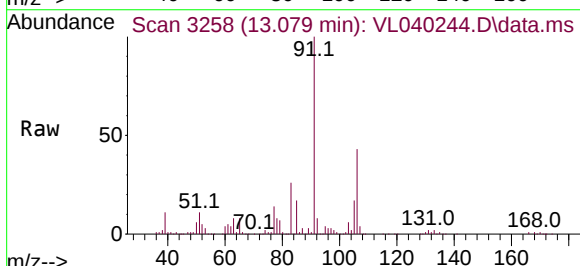
Manual Integrations  
APPROVED

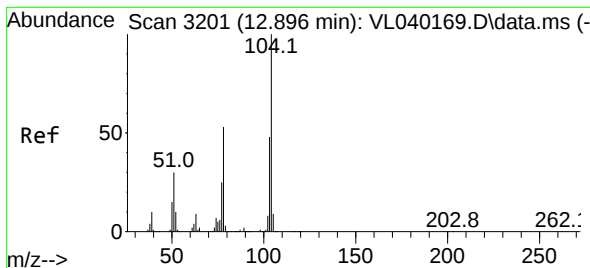
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#60  
o-Xylene  
Concen: 10.182 ppbv  
RT: 13.079 min Scan# 3258  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Tgt Ion: 91 Resp: 2434012  
Ion Ratio Lower Upper  
91 100  
106 43.4 21.6 65.0





#61

Styrene

Concen: 10.716 ppbv

RT: 12.918 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040244.D

Acq: 28 Feb 2023 11:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0228ABS01

Tgt Ion:104 Resp: 134498

Ion Ratio Lower Upper

104 100

78 55.1 42.3 63.5

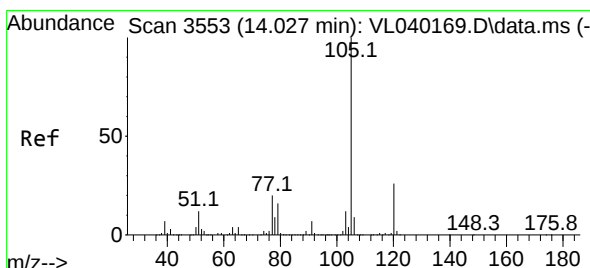
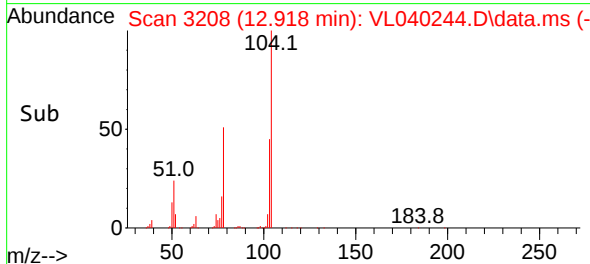
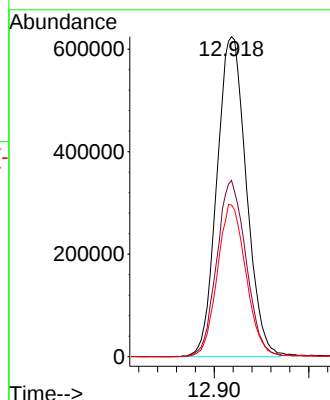
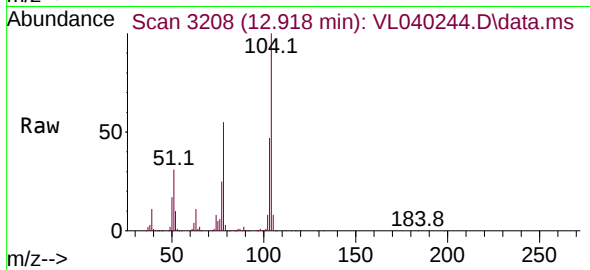
103 46.8 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/01/2023

Supervised By :Mahesh Dadoda 03/01/2023



#62

Isopropylbenzene

Concen: 9.897 ppbv

RT: 14.050 min Scan# 3560

Delta R.T. -0.003 min

Lab File: VL040244.D

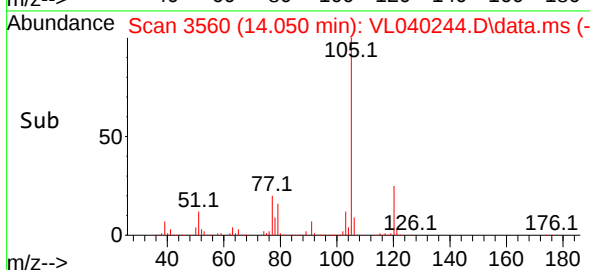
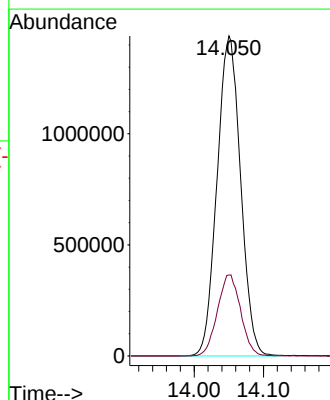
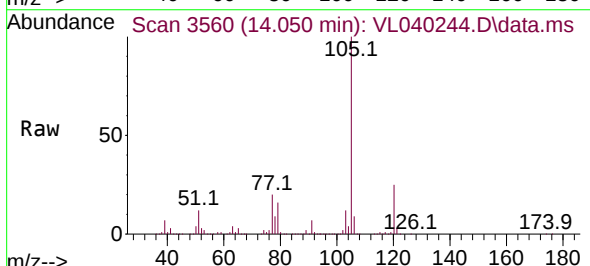
Acq: 28 Feb 2023 11:15

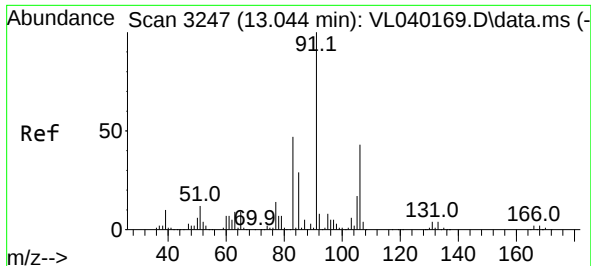
Tgt Ion:105 Resp: 3395800

Ion Ratio Lower Upper

105 100

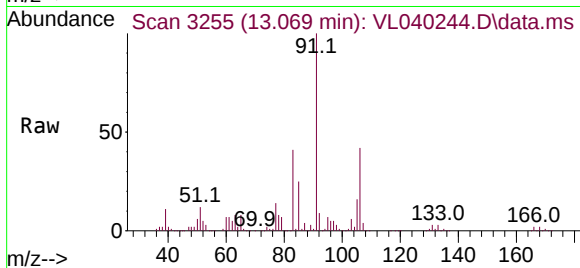
120 25.0 20.3 30.5





#63  
1,1,2,2-Tetrachloroethane  
Concen: 9.384 ppbv  
RT: 13.069 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

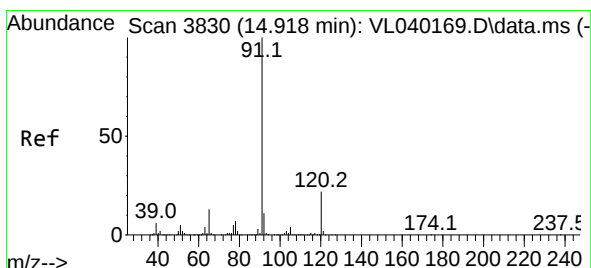
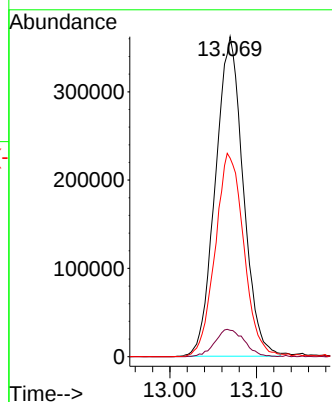
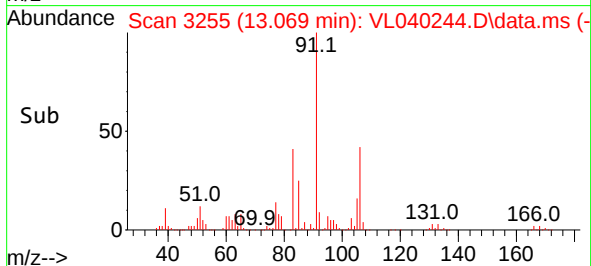
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



Tgt Ion: 83 Resp: 80844  
Ion Ratio Lower Upper  
83 100  
131 9.0 4.4 13.2  
85 66.0 33.0 99.0

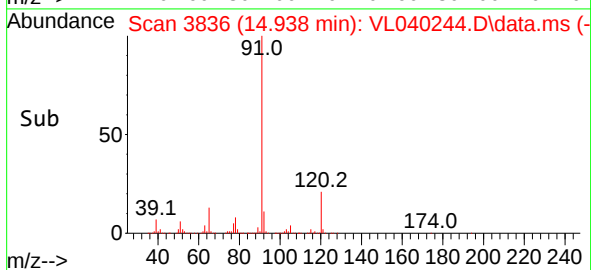
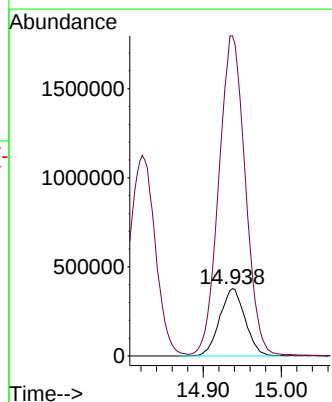
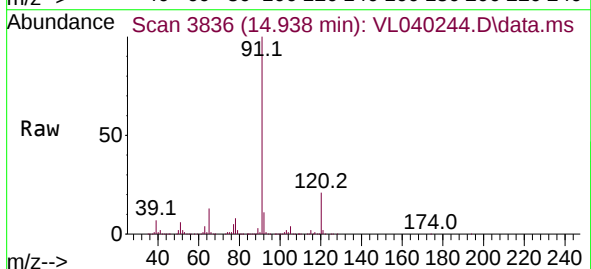
Manual Integrations  
APPROVED

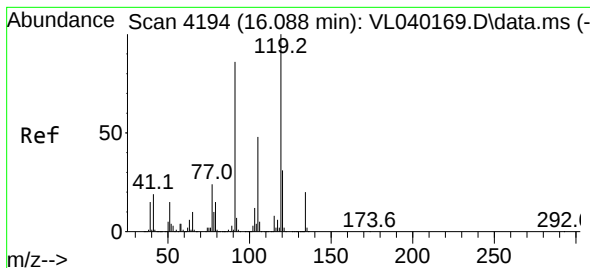
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#64  
n-propylbenzene  
Concen: 10.071 ppbv  
RT: 14.938 min Scan# 3836  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

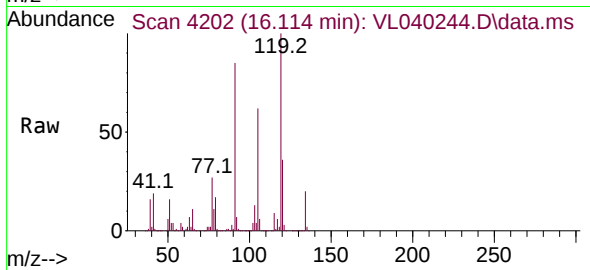
Tgt Ion:120 Resp: 855278  
Ion Ratio Lower Upper  
120 100  
91 498.2 389.8 584.8





#65  
tert-Butylbenzene  
Concen: 9.881 ppbv  
RT: 16.114 min Scan# 4194  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

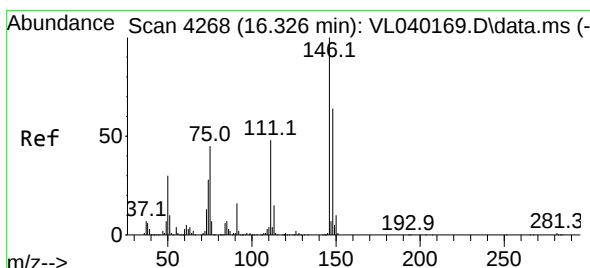
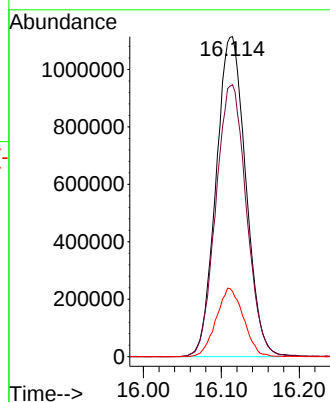
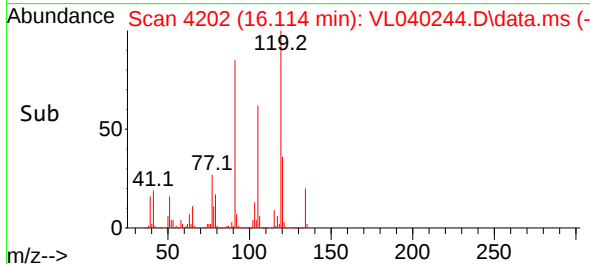
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



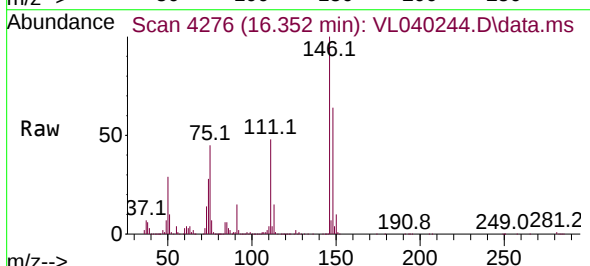
Tgt Ion:119 Resp: 294722  
Ion Ratio Lower Upper  
119 100  
91 87.4 68.6 102.8  
134 19.8 15.9 23.9

Manual Integrations  
APPROVED

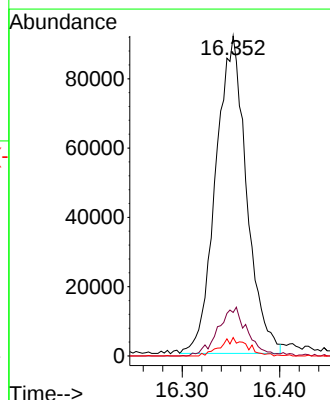
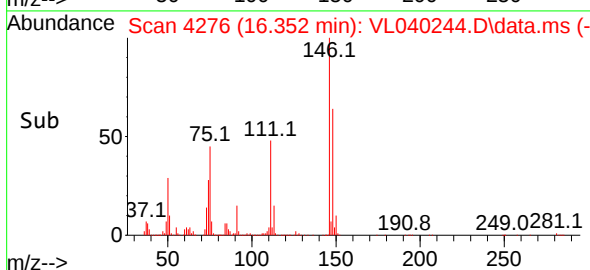
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023

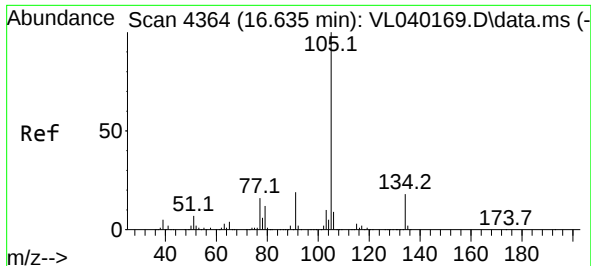


#66  
Benzyl Chloride  
Concen: 10.144 ppbv  
RT: 16.352 min Scan# 4276  
Delta R.T. 0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15



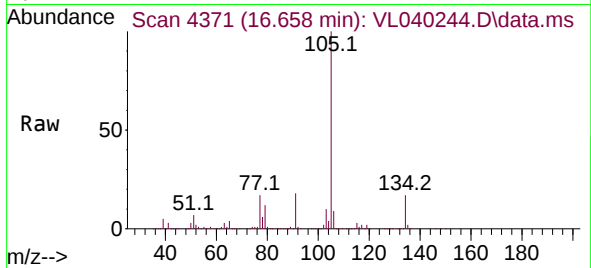
Tgt Ion: 91 Resp: 201346  
Ion Ratio Lower Upper  
91 100  
126 15.1 13.1 19.7  
128 5.1 4.1 6.1





#67  
 sec-Butylbenzene  
 Concen: 9.811 ppbv  
 RT: 16.658 min Scan# 419669  
 Delta R.T. -0.003 min  
 Lab File: VL040244.D  
 Acq: 28 Feb 2023 11:15

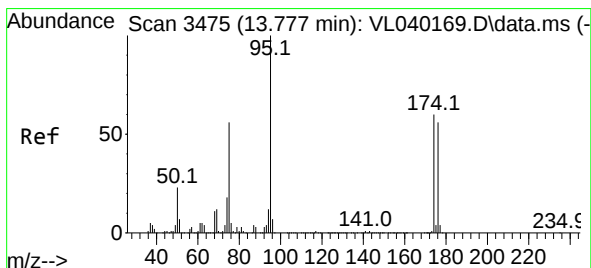
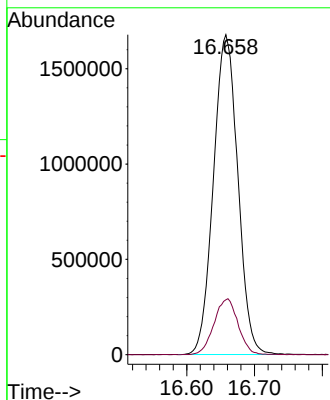
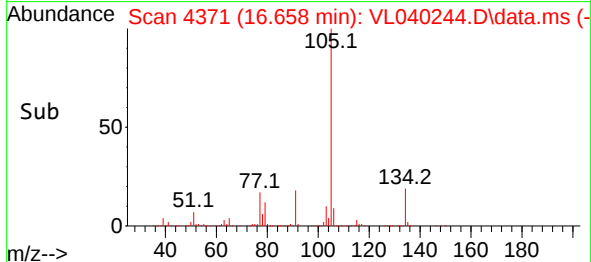
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0228ABS01



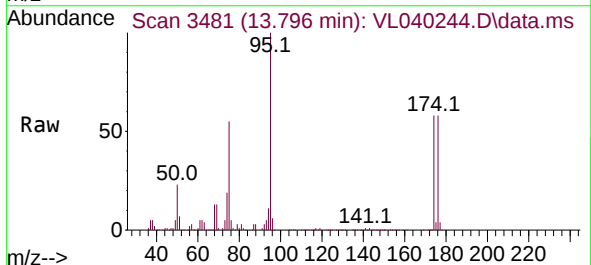
Tgt Ion:105 Resp: 419669  
 Ion Ratio Lower Upper  
 105 100  
 134 17.2 14.1 21.1

Manual Integrations  
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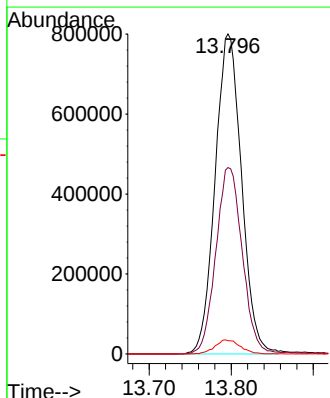
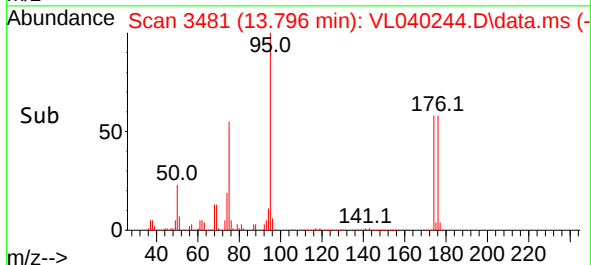
Reviewed By :Semsettin Yesilyurt 03/01/2023  
 Supervised By :Mahesh Dadoda 03/01/2023

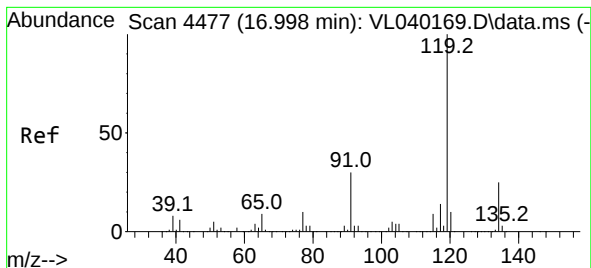


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.430 ppbv  
 RT: 13.796 min Scan# 3481  
 Delta R.T. 0.000 min  
 Lab File: VL040244.D  
 Acq: 28 Feb 2023 11:15



Tgt Ion: 95 Resp: 1790239  
 Ion Ratio Lower Upper  
 95 100  
 174 58.9 48.2 72.2  
 175 4.3 3.4 5.2





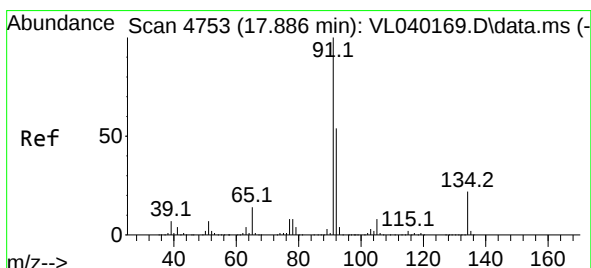
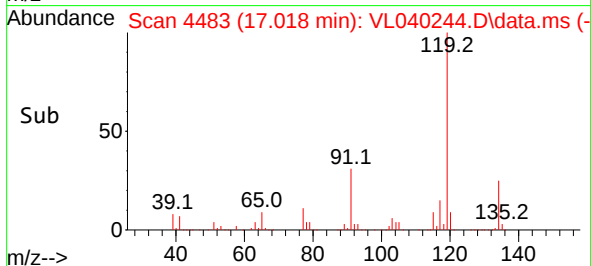
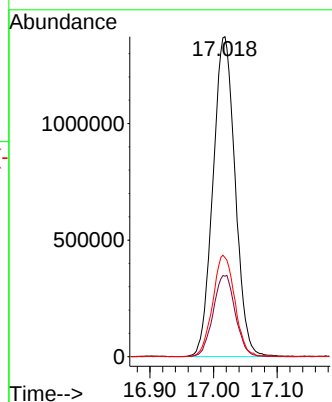
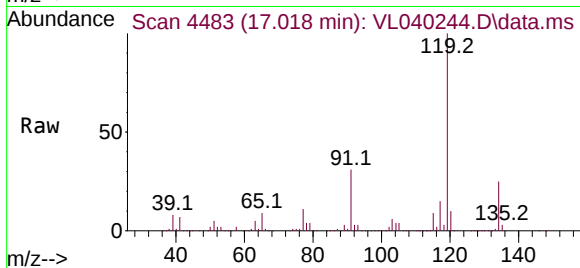
#69  
p-Isopropyltoluene  
Concen: 9.786 ppbv  
RT: 17.018 min Scan# 4477  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01

Tgt Ion:119 Resp: 331853  
Ion Ratio Lower Upper  
119 100  
134 25.5 20.2 30.2  
91 31.6 24.7 37.1

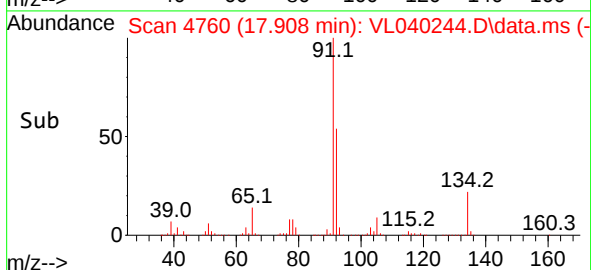
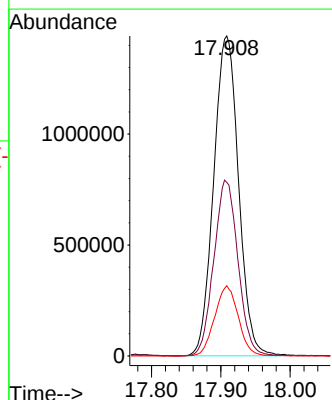
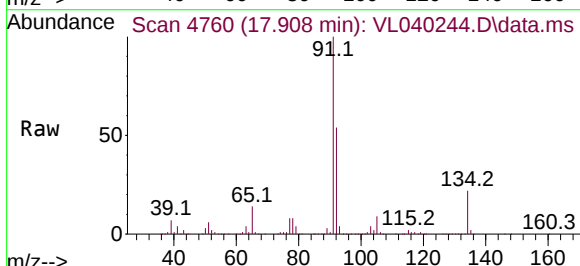
Manual Integrations  
APPROVED

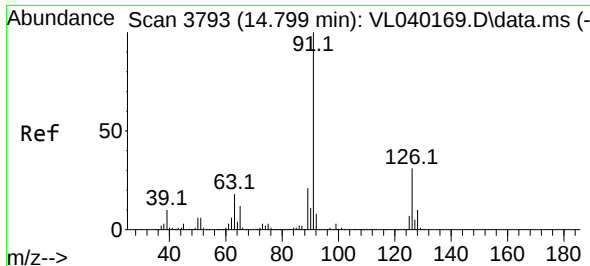
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#70  
n-Butylbenzene  
Concen: 9.766 ppbv  
RT: 17.908 min Scan# 4760  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Tgt Ion: 91 Resp: 3594536  
Ion Ratio Lower Upper  
91 100  
92 53.5 43.0 64.6  
134 21.0 16.9 25.3





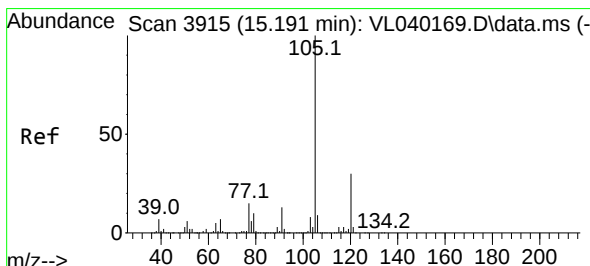
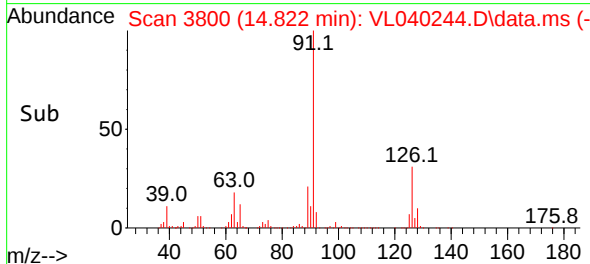
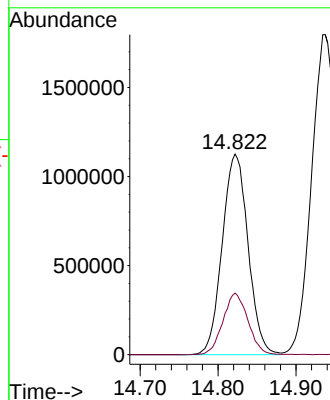
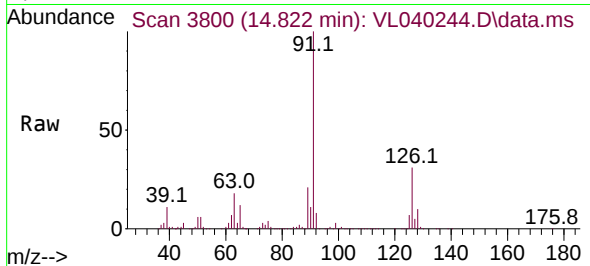
#71  
2-Chlorotoluene  
Concen: 9.877 ppbv  
RT: 14.822 min Scan# 3793  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01

Tgt Ion: 91 Resp: 2592128  
Ion Ratio Lower Upper  
91 100  
126 29.8 12.0 48.2

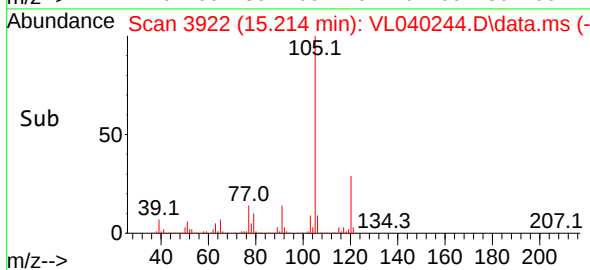
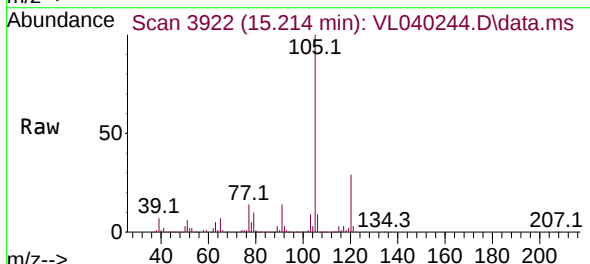
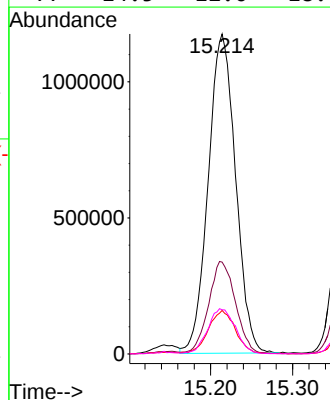
Manual Integrations  
APPROVED

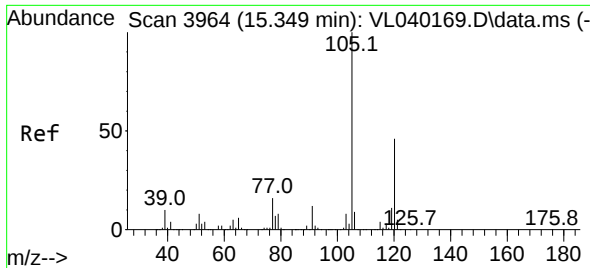
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#72  
4-Ethyltoluene  
Concen: 10.275 ppbv  
RT: 15.214 min Scan# 3922  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

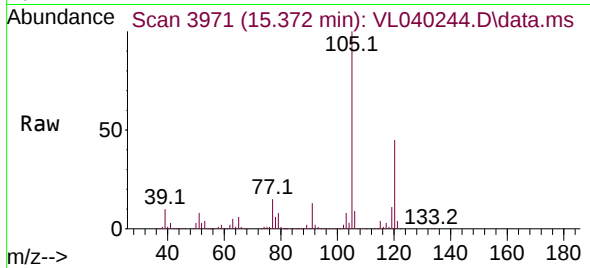
Tgt Ion:105 Resp: 2715242  
Ion Ratio Lower Upper  
105 100  
120 29.5 23.2 34.8  
91 14.3 11.3 16.9  
77 14.5 12.0 18.0





#73  
1,3,5-Trimethylbenzene  
Concen: 9.849 ppbv  
RT: 15.372 min Scan# 3964  
Delta R.T. -0.006 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

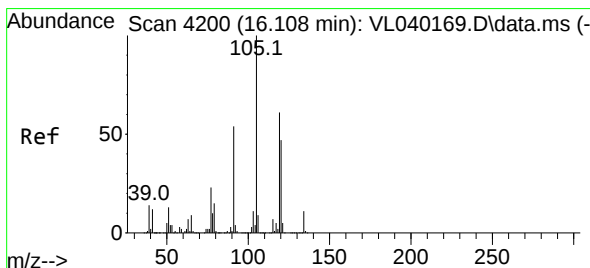
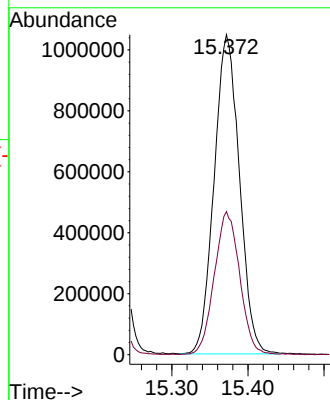
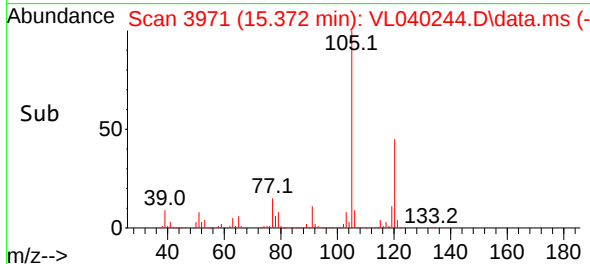
Instrument : MSVOA\_L  
ClientSampleId : VL0228ABS01



Tgt Ion:105 Resp: 2421800  
Ion Ratio Lower Upper  
105 100  
120 44.7 36.8 55.2

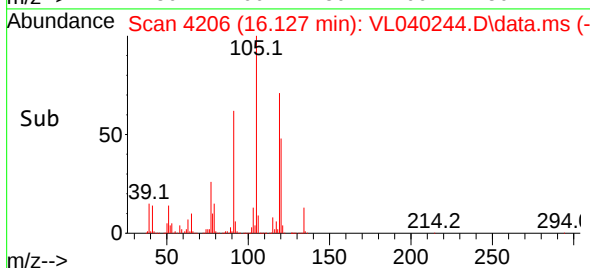
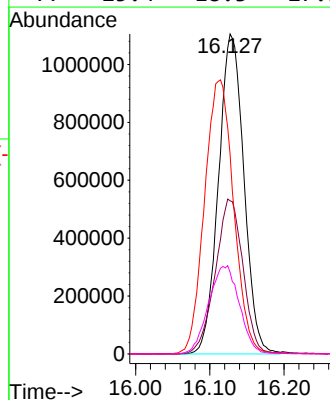
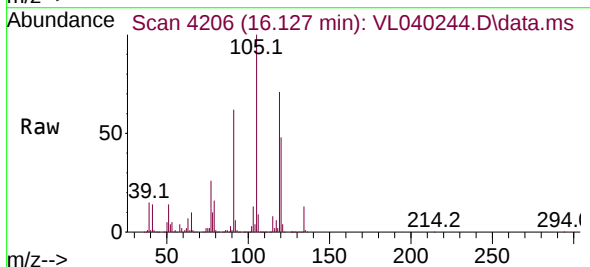
Manual Integrations  
APPROVED

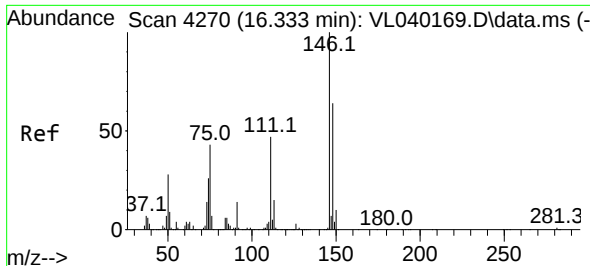
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#74  
1,2,4-Trimethylbenzene  
Concen: 9.730 ppbv  
RT: 16.127 min Scan# 4206  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

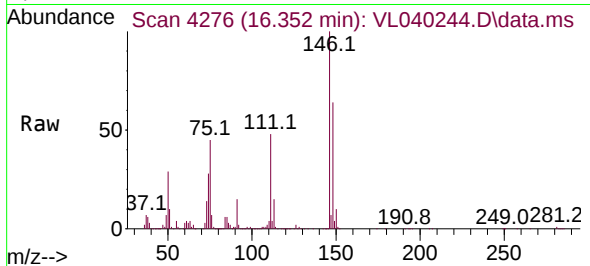
Tgt Ion:105 Resp: 2628042  
Ion Ratio Lower Upper  
105 100  
120 47.8 37.9 56.9  
91 62.0 43.7 65.5  
77 25.4 18.3 27.5





#75  
1,3-Dichlorobenzene  
Concen: 9.447 ppbv  
RT: 16.352 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

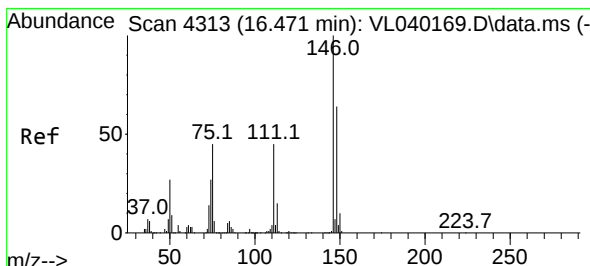
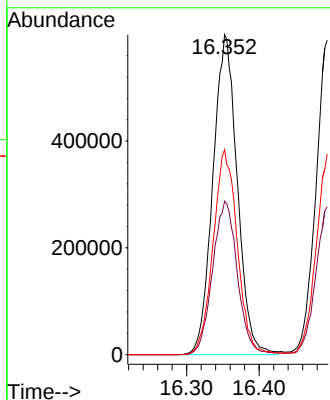
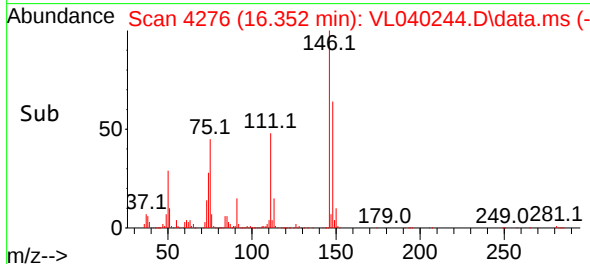
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



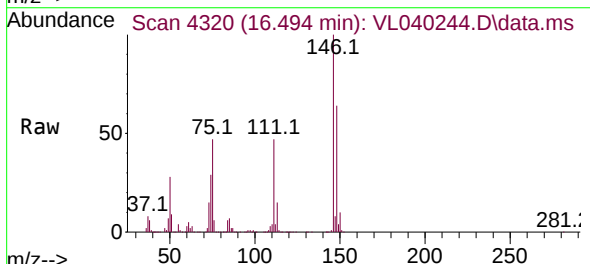
Tgt Ion:146 Resp: 139635  
Ion Ratio Lower Upper  
146 100  
111 48.9 23.9 71.8  
148 63.7 32.1 96.5

Manual Integrations  
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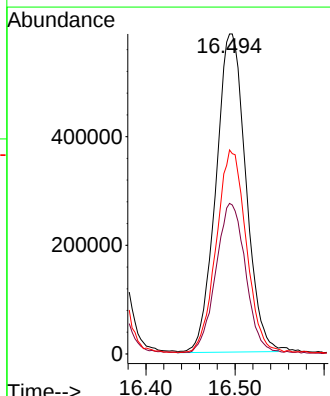
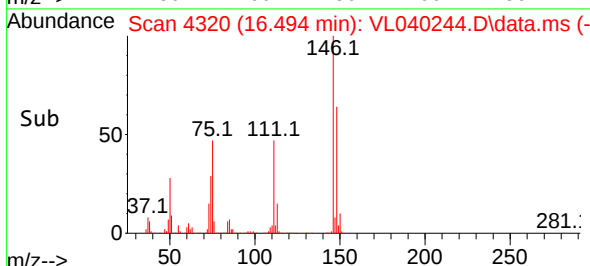
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023

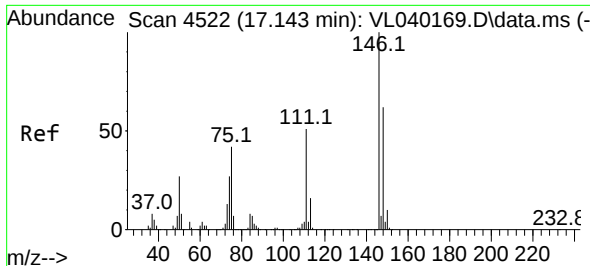


#76  
1,4-Dichlorobenzene  
Concen: 9.416 ppbv  
RT: 16.494 min Scan# 4320  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15



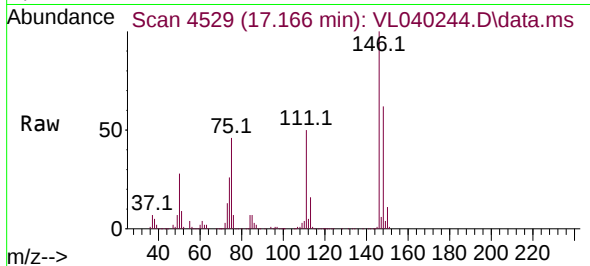
Tgt Ion:146 Resp: 1363808  
Ion Ratio Lower Upper  
146 100  
111 47.8 23.5 70.5  
148 65.4 32.5 97.4





#77  
1,2-Dichlorobenzene  
Concen: 9.229 ppbv  
RT: 17.166 min Scan# 4522  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

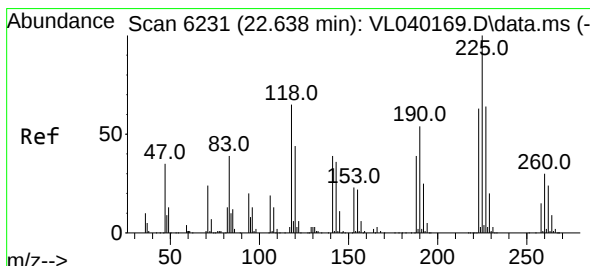
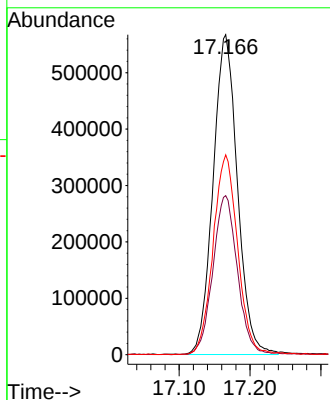
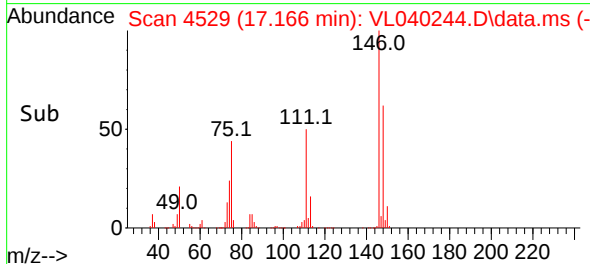
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01



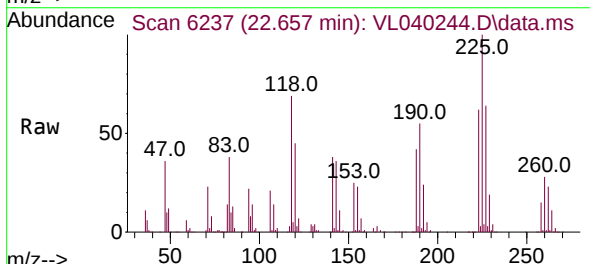
Tgt Ion:146 Resp: 135508  
Ion Ratio Lower Upper  
146 100  
111 50.3 25.3 75.8  
148 63.2 32.0 96.2

Manual Integrations  
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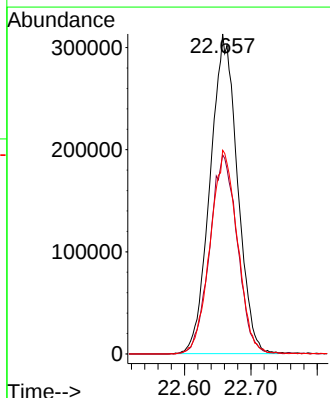
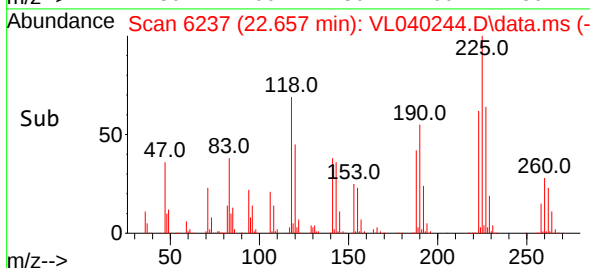
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023

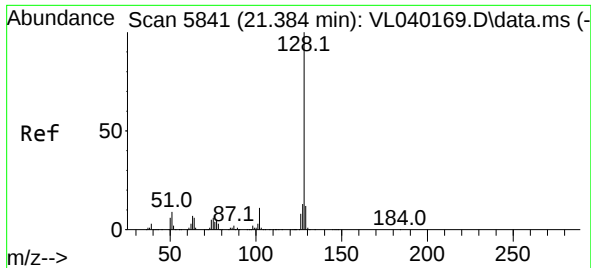


#78  
Hexachloro-1,3-Butadiene  
Concen: 8.878 ppbv  
RT: 22.657 min Scan# 6237  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15



Tgt Ion:225 Resp: 895549  
Ion Ratio Lower Upper  
225 100  
223 63.3 51.0 76.6  
227 63.8 51.2 76.8





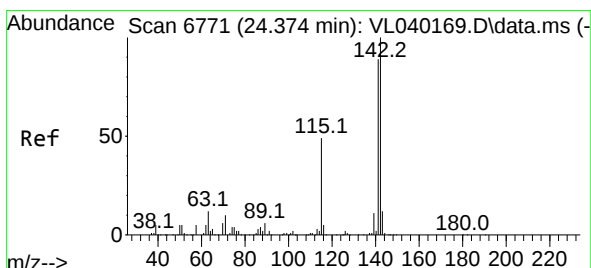
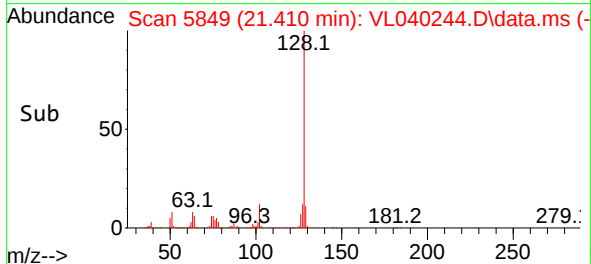
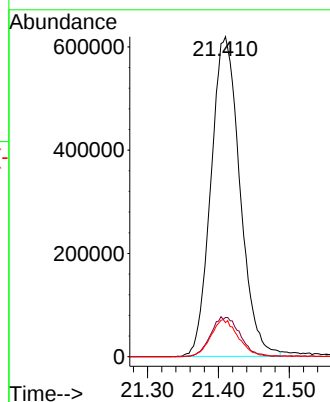
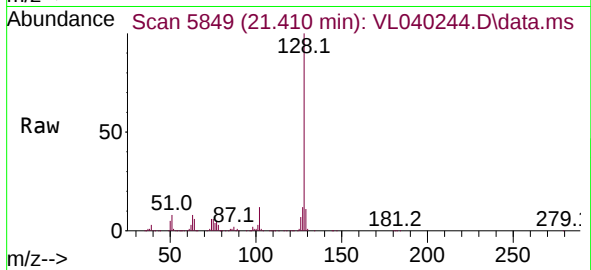
#79  
Naphthalene  
Concen: 11.593 ppbv  
RT: 21.410 min Scan# 5849  
Delta R.T. 0.000 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0228ABS01

Tgt Ion:128 Resp: 175915  
Ion Ratio Lower Upper  
128 100  
127 12.3 10.2 15.4  
129 10.7 9.4 14.0

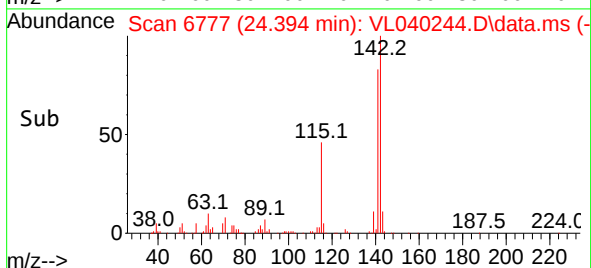
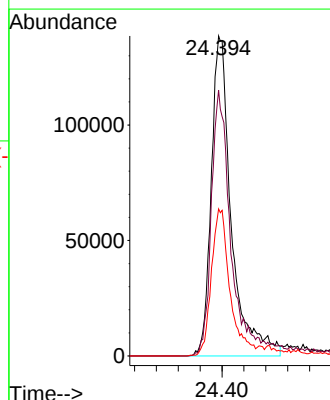
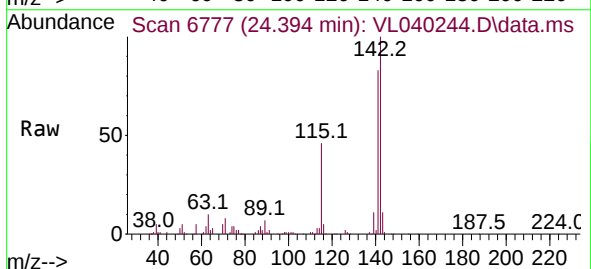
Manual Integrations  
APPROVED

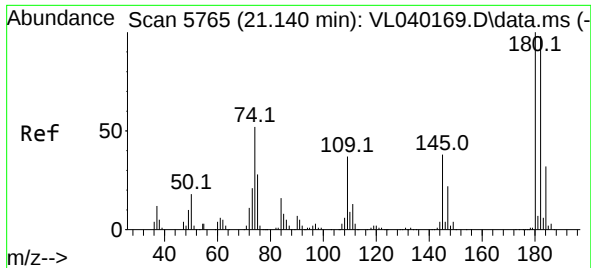
Reviewed By :Semsettin Yesilyurt 03/01/2023  
Supervised By :Mahesh Dadoda 03/01/2023



#80  
Naphthalene,2-methyl-  
Concen: 8.210 ppbv  
RT: 24.394 min Scan# 6777  
Delta R.T. -0.003 min  
Lab File: VL040244.D  
Acq: 28 Feb 2023 11:15

Tgt Ion:142 Resp: 354269  
Ion Ratio Lower Upper  
142 100  
141 84.9 67.3 100.9  
115 46.6 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 9.955 ppbv

RT: 21.166 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL040244.D

Acq: 28 Feb 2023 11:15

Instrument :

MSVOA\_L

ClientSampleId :

VL0228ABS01

Tgt Ion:180 Resp: 94528

Ion Ratio Lower Upper

180 100

182 97.0 79.0 118.6

184 31.3 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/01/2023

Supervised By :Mahesh Dadoda 03/01/2023

