

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL080824\  
 Data File : VL041505.D  
 Acq On : 8 Aug 2024 9:39  
 Operator : SY/MD  
 Sample : VL0808ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0808ABS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/09/2024  
 Supervised By : Mahesh Dadoda 08/09/2024

Quant Time: Aug 09 05:52:05 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 9 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) Bromochloromethane         | 5.179  | 49    | 1036737  | 10.000   | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene       | 6.642  | 114   | 2818389  | 10.000   | ppbv  | 0.00     |
| 55) Chlorobenzene-d5          | 11.455 | 117   | 2683034m | 10.000   | ppbv  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 68) 1-Bromo-4-Fluorobenzene   | 13.764 | 95    | 2015008  | 9.759    | ppbv  | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =     | 97.600%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.713  | 85    | 1963731  | 11.010   | ppbv  | 99       |
| 3) Chlorodifluoromethane      | 2.658  | 51    | 1212326  | 9.823    | ppbv  | 100      |
| 4) Chloromethane              | 2.796  | 50    | 644382   | 9.816    | ppbv  | 98       |
| 5) Vinyl Chloride             | 2.903  | 62    | 657040   | 10.155   | ppbv  | 98       |
| 6) Bromomethane               | 3.102  | 94    | 339523   | 10.210   | ppbv  | 99       |
| 7) Chloroethane               | 3.179  | 64    | 225482   | 10.098   | ppbv  | 97       |
| 8) Dichlorotetrafluoroethane  | 2.838  | 85    | 1585053  | 10.030   | ppbv  | 97       |
| 9) Propene                    | 2.677  | 41    | 537992   | 9.489    | ppbv  | 99       |
| 10) Heptane                   | 7.568  | 43    | 1358204  | 10.662   | ppbv  | 100      |
| 11) Trichlorofluoromethane    | 3.546  | 101   | 1546989  | 9.767    | ppbv  | 95       |
| 12) 1,1,2-Trichlorotrifluo... | 4.050  | 101   | 1124528  | 9.859    | ppbv  | 100      |
| 13) Ethanol                   | 3.227  | 45    | 37266m   | 7.354    | ppbv  |          |
| 14) Bromoethene               | 3.349  | 108   | 450359   | 10.128   | ppbv  | 99       |
| 15) Acetone                   | 3.449  | 43    | 1153082  | 9.789    | ppbv  | 100      |
| 16) 1,3-Butadiene             | 2.967  | 39    | 640049   | 10.170   | ppbv  | 99       |
| 17) tert-Butyl alcohol        | 3.861  | 59    | 1088370  | 10.131   | ppbv  | 100      |
| 18) 1,1-Dichloroethene        | 3.864  | 96    | 507629   | 10.404   | ppbv  | 97       |
| 19) Isopropyl Alcohol         | 3.558  | 45    | 649416   | 9.430    | ppbv  | 99       |
| 20) Methylene Chloride        | 3.919  | 84    | 427017   | 9.721    | ppbv  | 98       |
| 21) Allyl Chloride            | 3.980  | 41    | 810265   | 10.489   | ppbv  | 99       |
| 22) trans-1,2-Dichloroethene  | 4.430  | 96    | 509292   | 10.440   | ppbv  | 94       |
| 23) Vinyl Acetate             | 4.610  | 43    | 986430   | 10.965   | ppbv  | 99       |
| 24) 1,1-Dichloroethane        | 4.549  | 63    | 1080436  | 10.200   | ppbv  | 100      |
| 25) Ethyl Acetate             | 5.189  | 43    | 2438160  | 10.419   | ppbv  | 99       |
| 26) Hexane                    | 5.198  | 57    | 1007382  | 10.377   | ppbv  | 99       |
| 27) Carbon Disulfide          | 4.108  | 76    | 1202786  | 10.591   | ppbv  | 99       |
| 28) Methyl tert-Butyl Ether   | 4.571  | 73    | 606713   | 9.910    | ppbv  | 99       |
| 29) Chloroform                | 5.259  | 83    | 1581303  | 9.987    | ppbv  | 97       |
| 30) Cyclohexane               | 6.587  | 84    | 862757   | 10.914   | ppbv  | 99       |
| 31) cis-1,2-Dichloroethene    | 5.063  | 61    | 990545   | 10.329   | ppbv  | 98       |
| 32) 1,1,1-Trichloroethane     | 5.989  | 97    | 1549649  | 10.054   | ppbv  | 100      |
| 34) 2-Butanone                | 4.771  | 43    | 1429326  | 10.484   | ppbv  | 100      |
| 35) Carbon Tetrachloride      | 6.481  | 117   | 1616273  | 10.397   | ppbv  | 99       |
| 36) Benzene                   | 6.356  | 78    | 2135056  | 10.367   | ppbv  | 99       |
| 37) 1,2-Dichloroethane        | 5.793  | 62    | 1194493  | 10.363   | ppbv  | 100      |
| 38) Trichloroethene           | 7.282  | 130   | 997228   | 10.570   | ppbv  | 98       |
| 39) 1,2-Dichloropropane       | 7.060  | 63    | 829487   | 10.521   | ppbv  | 99       |
| 40) 1,4-Dioxane               | 7.279  | 88    | 298472   | 9.424    | ppbv  | 63       |
| 41) Tetrahydrofuran           | 5.539  | 42    | 871664   | 11.179   | ppbv  | 98       |
| 42) Bromodichloromethane      | 7.237  | 83    | 1721893  | 10.346   | ppbv  | 100      |
| 43) Methyl Methacrylate       | 7.462  | 69    | 855545   | 11.585   | ppbv  | 99       |
| 44) 2,2,4-Trimethylpentane    | 7.314  | 57    | 3603459  | 10.476   | ppbv  | 100      |
| 45) t-1,3-Dichloropropene     | 8.700  | 75    | 870875   | 12.812   | ppbv  | 100      |

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 Data File : VL041505.D  
 Acq On : 8 Aug 2024 9:39  
 Operator : SY/MD  
 Sample : VL0808ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0808ABS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/09/2024  
 Supervised By : Mahesh Dadoda 08/09/2024

Quant Time: Aug 09 05:52:05 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 9 18:25:20 2024

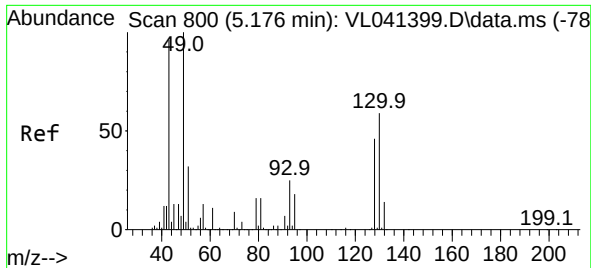
QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.131  | 75   | 1170577  | 11.926 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 8.889  | 97   | 904470   | 10.407 | ppbv   | 97       |
| 48) Dibromochloromethane      | 9.700  | 129  | 1493471  | 10.667 | ppbv   | 100      |
| 49) Bromoform                 | 12.397 | 173  | 1340539  | 11.335 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.169  | 43   | 2404678  | 11.179 | ppbv   | 100      |
| 51) 2-Hexanone                | 9.539  | 43   | 1961903  | 12.062 | ppbv # | 99       |
| 52) Tetrachloroethene         | 10.606 | 164  | 823642   | 10.351 | ppbv   | 99       |
| 53) Toluene                   | 9.208  | 91   | 2540535  | 11.075 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 9.999  | 107  | 1312754  | 11.348 | ppbv   | 98       |
| 56) 1,1,1,2-Tetrachloroethane | 11.497 | 131  | 1108511  | 10.653 | ppbv # | 55       |
| 57) Chlorobenzene             | 11.516 | 112  | 2003627  | 10.489 | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.079 | 91   | 3432326  | 11.099 | ppbv   | 99       |
| 59) m/p-Xylene                | 12.362 | 91   | 5833651m | 21.852 | ppbv   |          |
| 60) o-Xylene                  | 13.050 | 91   | 2795768  | 11.071 | ppbv   | 99       |
| 61) Styrene                   | 12.886 | 104  | 1388008  | 12.183 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.018 | 105  | 4075363  | 10.616 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.037 | 83   | 1721898  | 10.798 | ppbv   | 99       |
| 64) n-propylbenzene           | 14.905 | 120  | 1081113  | 10.771 | ppbv   | 96       |
| 65) tert-Butylbenzene         | 16.076 | 119  | 3634119  | 10.480 | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.314 | 91   | 279937   | 12.586 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 16.622 | 105  | 5112169  | 10.700 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 16.986 | 119  | 4284866  | 10.808 | ppbv   | 100      |
| 70) n-Butylbenzene            | 17.873 | 91   | 4407161  | 10.844 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 14.790 | 91   | 3086845  | 10.903 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.179 | 105  | 3389594  | 11.401 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.339 | 105  | 2867978  | 11.197 | ppbv   | 96       |
| 74) 1,2,4-Trimethylbenzene    | 16.098 | 105  | 3189834  | 10.712 | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 16.317 | 146  | 1987381  | 10.617 | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 16.461 | 146  | 1946715  | 10.741 | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 17.133 | 146  | 1931870  | 10.411 | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 22.619 | 225  | 1457393  | 9.210  | ppbv   | 99       |
| 79) Naphthalene               | 21.368 | 128  | 3214160  | 12.229 | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 24.361 | 142  | 2490096  | 11.302 | ppbv   | 100      |
| 81) 1,2,4-Trichlorobenzene    | 21.124 | 180  | 1688779  | 10.797 | ppbv   | 99       |

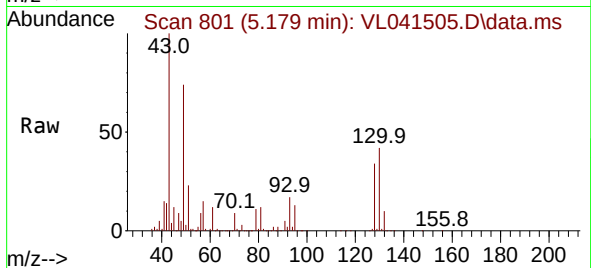
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.179 min Scan# 80  
Delta R.T. -0.010 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

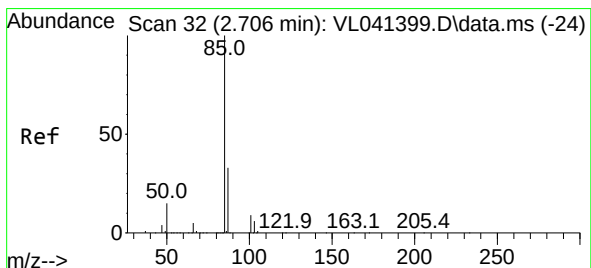
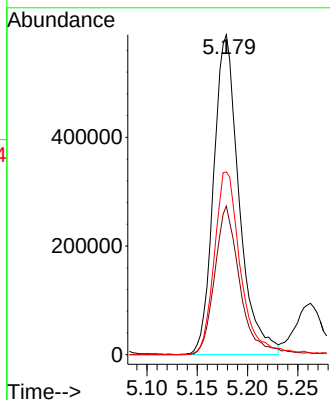
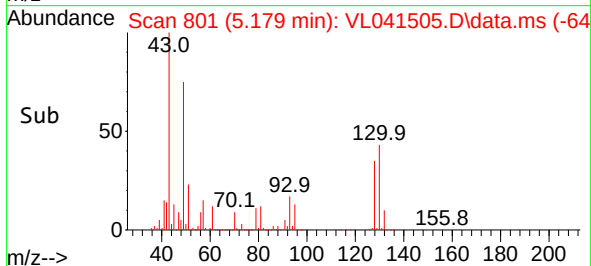
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



Tgt Ion: 49 Resp: 103673  
Ion Ratio Lower Upper  
49 100  
128 46.9 23.8 71.4  
130 60.2 30.8 92.4

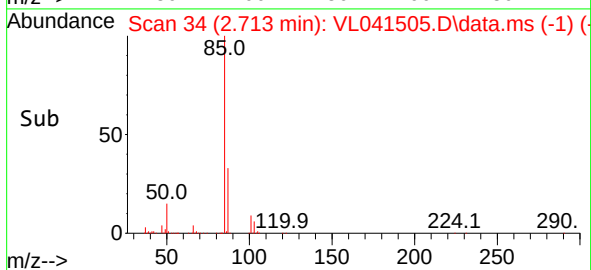
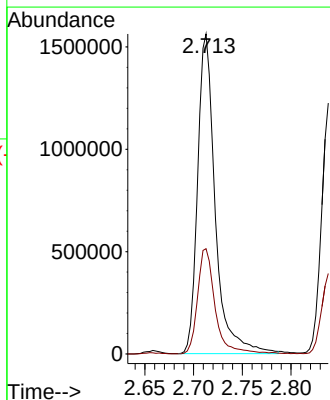
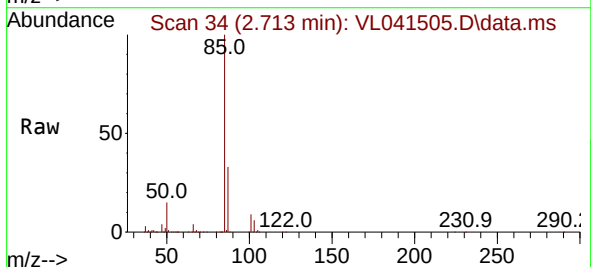
Manual Integrations  
APPROVED

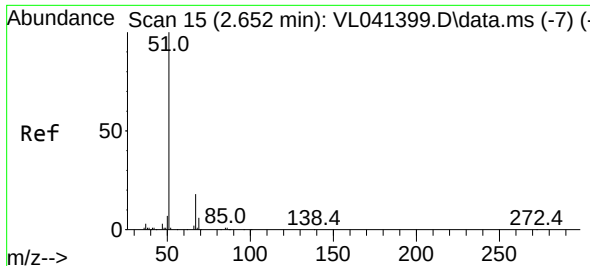
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#2  
Dichlorodifluoromethane  
Concen: 11.010 ppbv  
RT: 2.713 min Scan# 34  
Delta R.T. -0.019 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Tgt Ion: 85 Resp: 1963731  
Ion Ratio Lower Upper  
85 100  
87 32.9 26.0 39.0





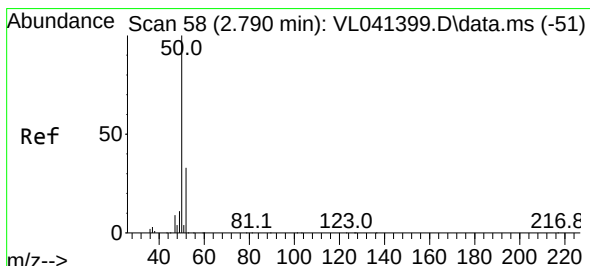
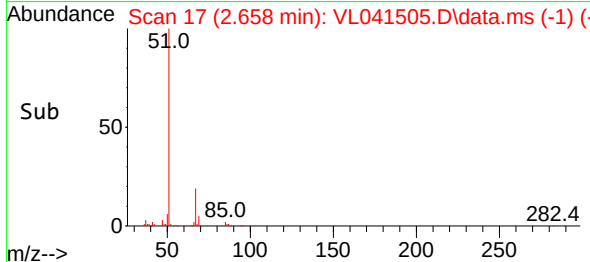
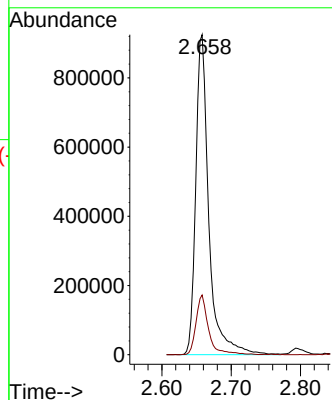
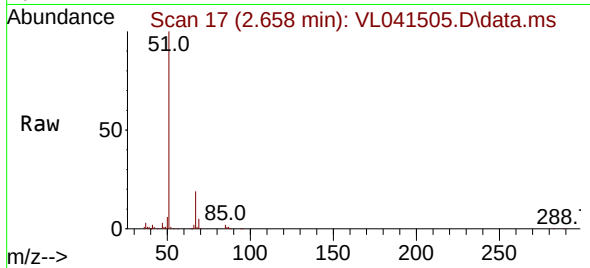
#3  
Chlorodifluoromethane  
Concen: 9.823 ppbv  
RT: 2.658 min Scan# 11  
Delta R.T. -0.019 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01

Tgt Ion: 51 Resp: 1212320  
Ion Ratio Lower Upper  
51 100  
67 18.1 14.5 21.7

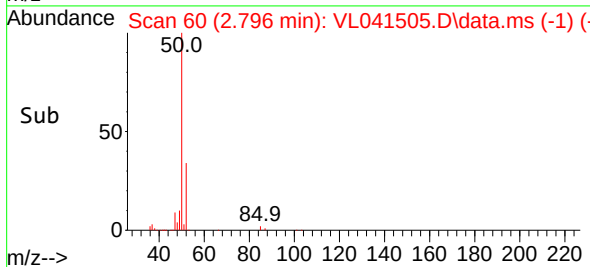
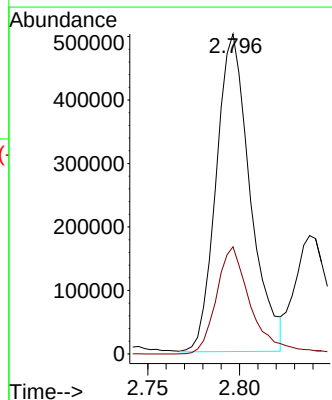
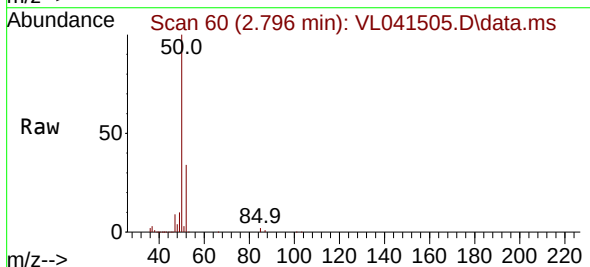
Manual Integrations  
APPROVED

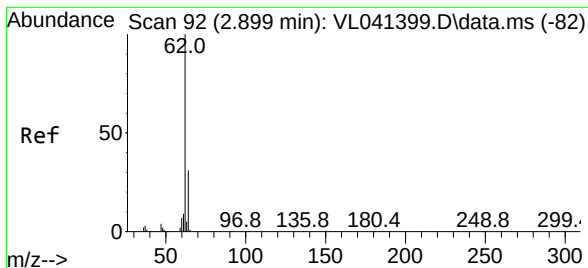
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#4  
Chloromethane  
Concen: 9.816 ppbv  
RT: 2.796 min Scan# 60  
Delta R.T. -0.019 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

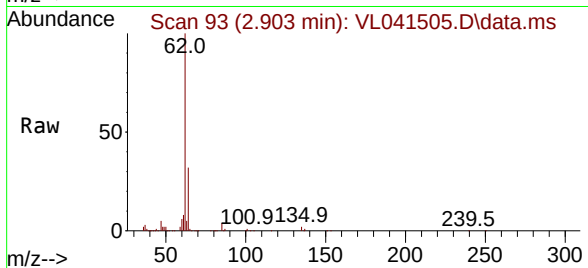
Tgt Ion: 50 Resp: 644382  
Ion Ratio Lower Upper  
50 100  
52 33.7 26.1 39.1





#5  
 Vinyl Chloride  
 Concen: 10.155 ppbv  
 RT: 2.903 min Scan# 91  
 Delta R.T. -0.019 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39

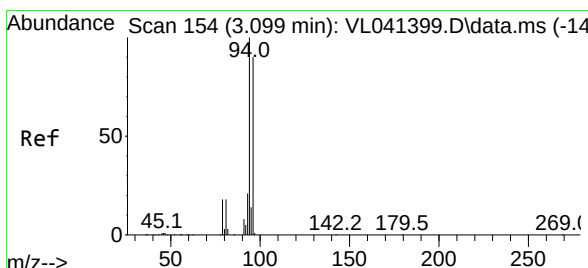
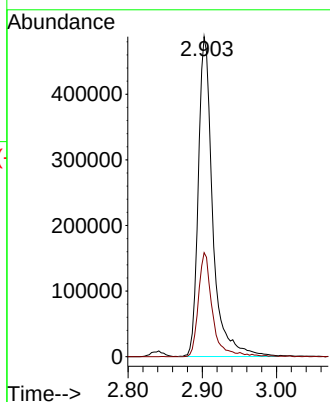
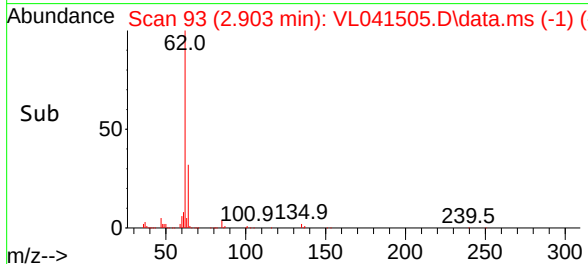
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0808ABS01



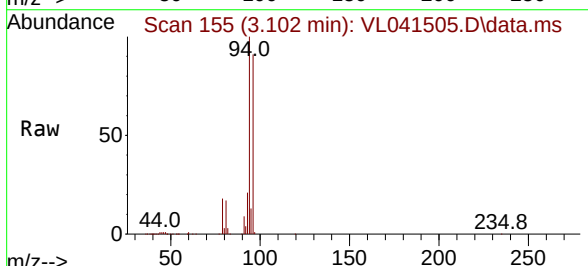
Tgt Ion: 62 Resp: 657040  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 25.0 37.4

Manual Integrations  
 APPROVED

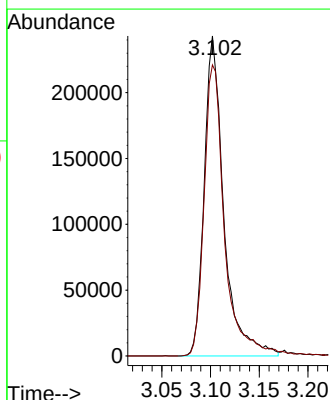
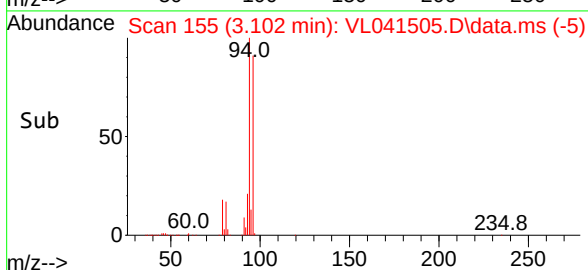
Reviewed By :Semsettin Yesilyurt 08/09/2024  
 Supervised By :Mahesh Dadoda 08/09/2024

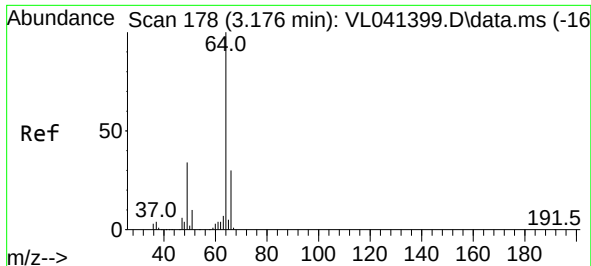


#6  
 Bromomethane  
 Concen: 10.210 ppbv  
 RT: 3.102 min Scan# 155  
 Delta R.T. -0.019 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39



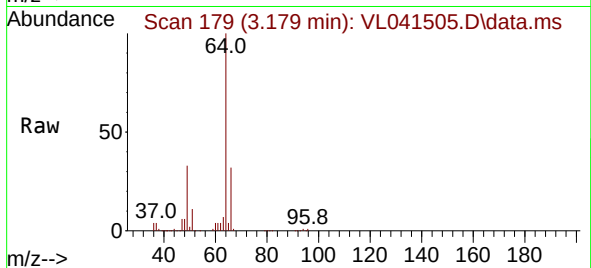
Tgt Ion: 94 Resp: 339523  
 Ion Ratio Lower Upper  
 94 100  
 96 90.9 72.3 108.5





#7  
Chloroethane  
Concen: 10.098 ppbv  
RT: 3.179 min Scan# 11  
Delta R.T. -0.019 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

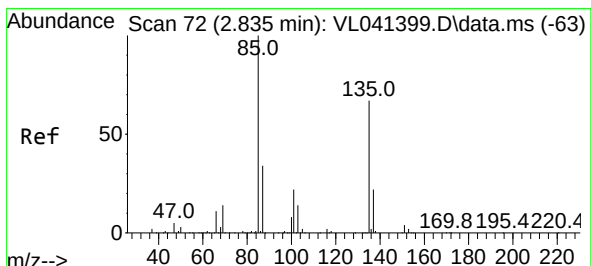
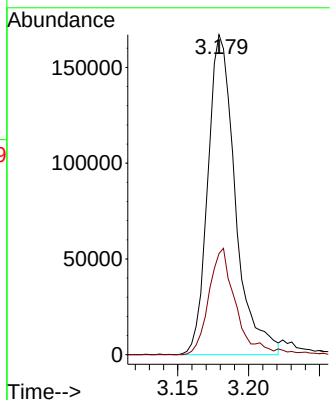
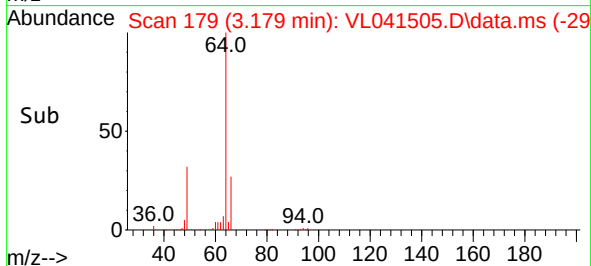
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



Tgt Ion: 64 Resp: 22548  
Ion Ratio Lower Upper  
64 100  
66 31.6 24.2 36.2

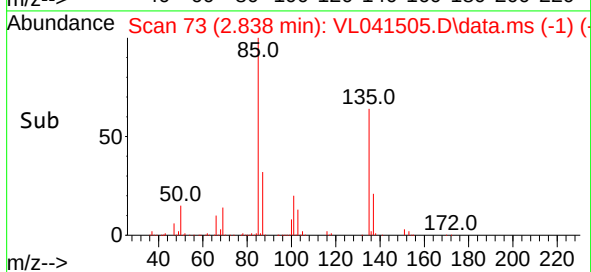
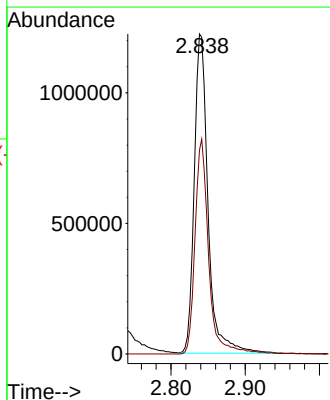
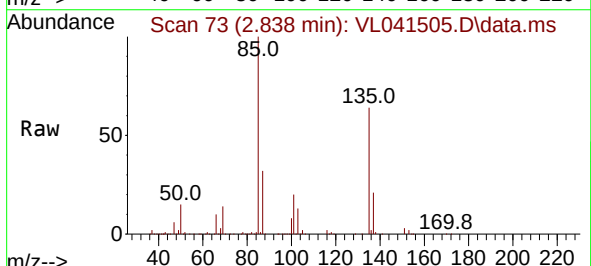
Manual Integrations  
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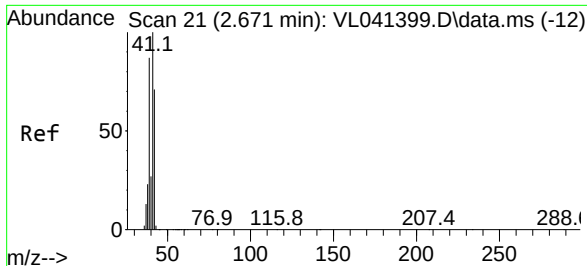
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#8  
Dichlorotetrafluoroethane  
Concen: 10.030 ppbv  
RT: 2.838 min Scan# 73  
Delta R.T. -0.022 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

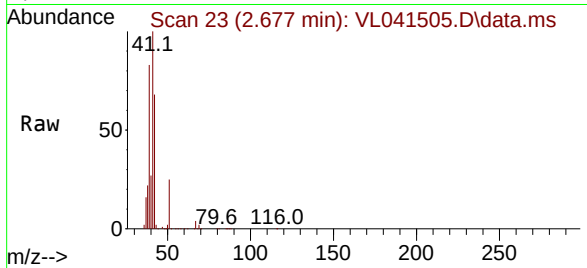
Tgt Ion: 85 Resp: 1585053  
Ion Ratio Lower Upper  
85 100  
135 66.8 55.4 83.0





#9  
 Propene  
 Concen: 9.489 ppbv  
 RT: 2.677 min Scan# 21  
 Delta R.T. -0.019 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39

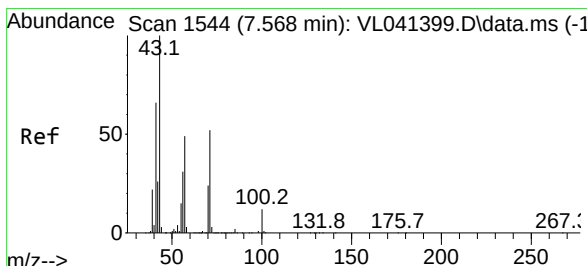
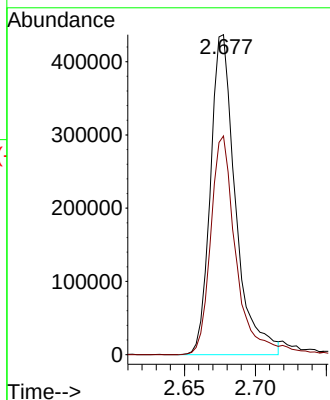
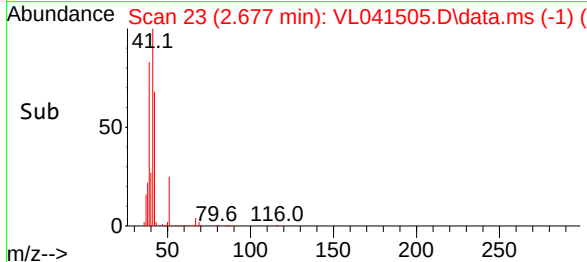
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0808ABS01



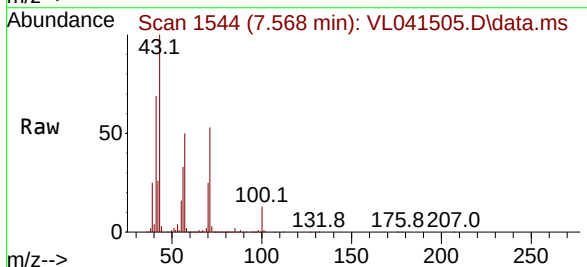
Tgt Ion: 41 Resp: 537992  
 Ion Ratio Lower Upper  
 41 100  
 42 70.7 55.9 83.9

Manual Integrations  
 APPROVED

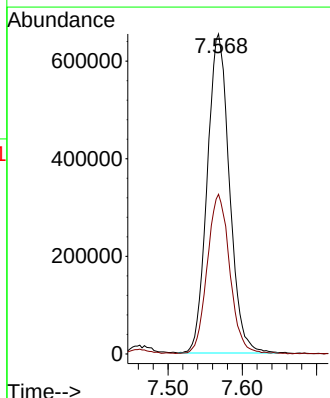
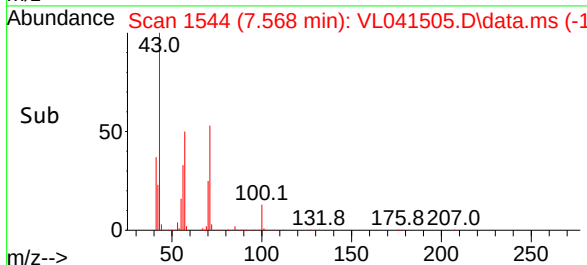
Reviewed By :Semsettin Yesilyurt 08/09/2024  
 Supervised By :Mahesh Dadoda 08/09/2024



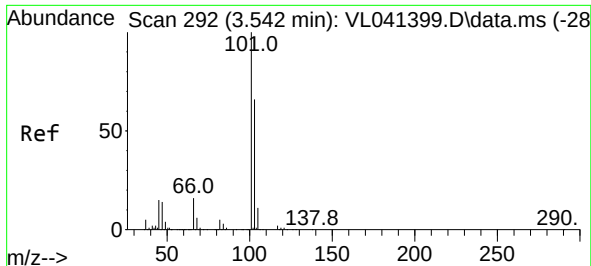
#10  
 Heptane  
 Concen: 10.662 ppbv  
 RT: 7.568 min Scan# 1544  
 Delta R.T. -0.006 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39



Tgt Ion: 43 Resp: 1358204  
 Ion Ratio Lower Upper  
 43 100  
 57 50.6 40.5 60.7

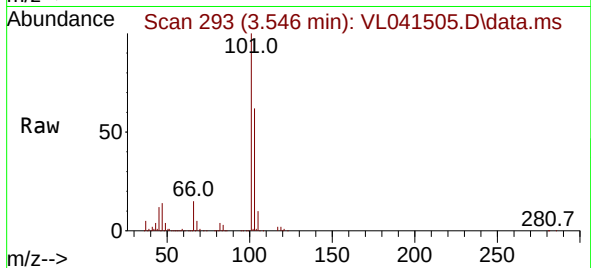






#11  
Trichlorofluoromethane  
Concen: 9.767 ppbv  
RT: 3.546 min Scan# 292  
Delta R.T. -0.016 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

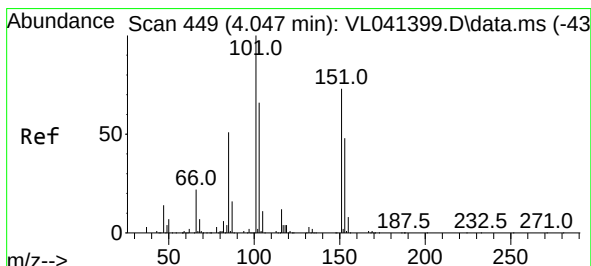
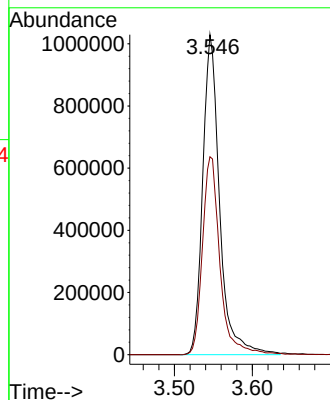
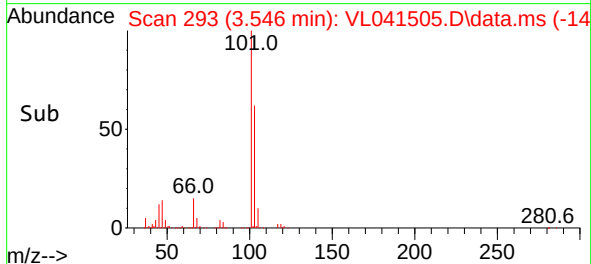
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



Tgt Ion:101 Resp: 1546989  
Ion Ratio Lower Upper  
101 100  
103 61.9 52.6 79.0

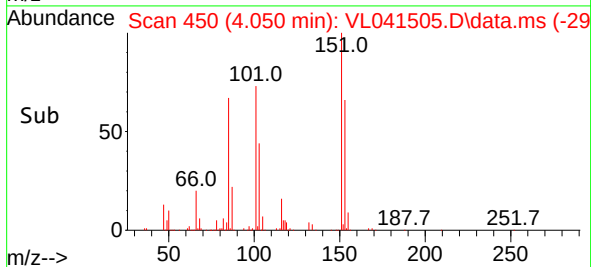
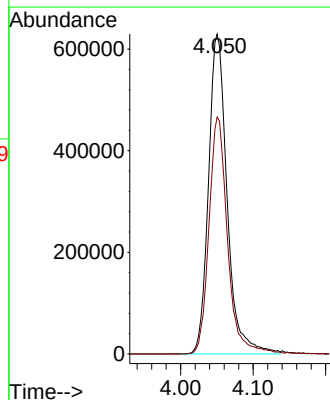
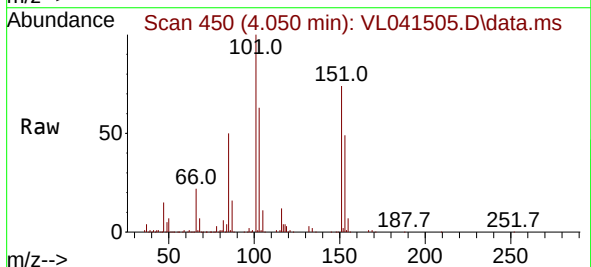
Manual Integrations  
APPROVED

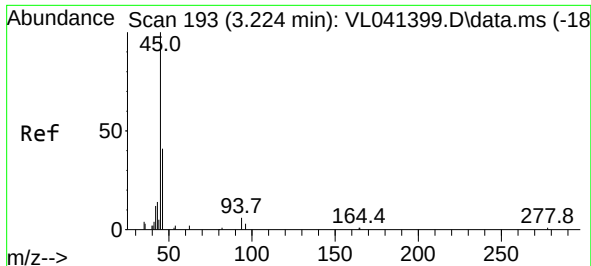
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.859 ppbv  
RT: 4.050 min Scan# 450  
Delta R.T. -0.013 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

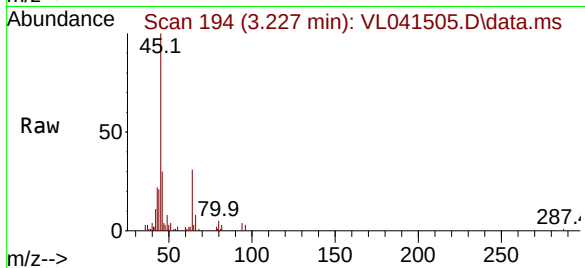
Tgt Ion:101 Resp: 1124528  
Ion Ratio Lower Upper  
101 100  
151 74.0 59.4 89.2





#13  
Ethanol  
Concen: 7.354 ppbv m  
RT: 3.227 min Scan# 193  
Delta R.T. -0.016 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

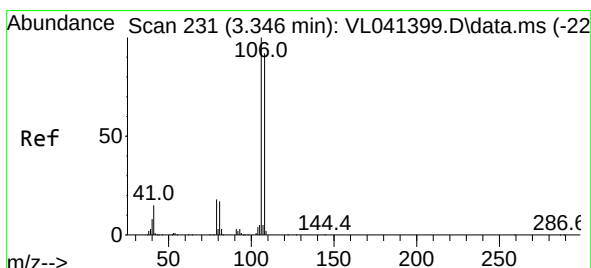
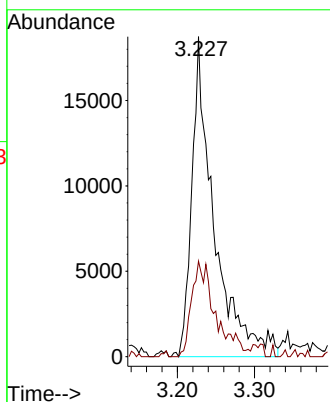
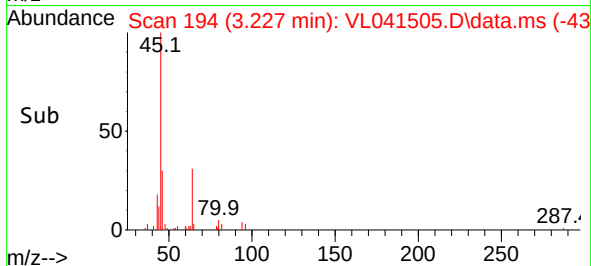
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



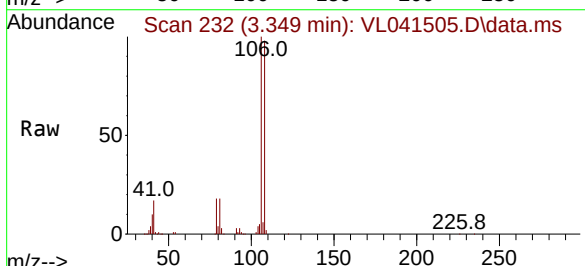
Tgt Ion: 45 Resp: 37260  
Ion Ratio Lower Upper  
45 100  
46 34.9 13.4 53.4

Manual Integrations  
APPROVED

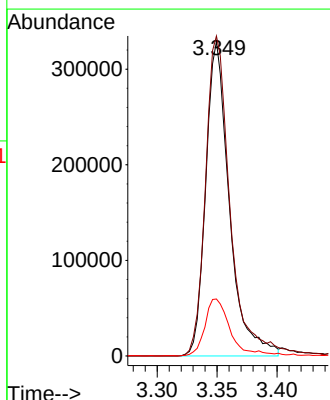
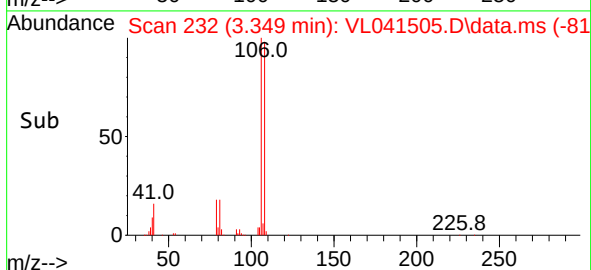
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024

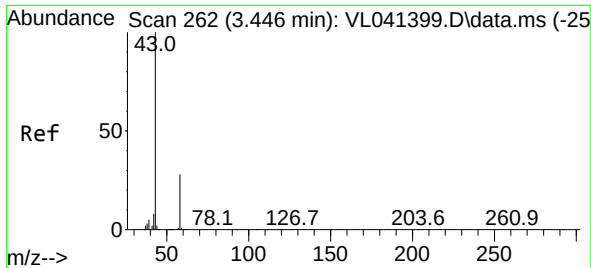


#14  
Bromoethene  
Concen: 10.128 ppbv  
RT: 3.349 min Scan# 232  
Delta R.T. -0.016 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39



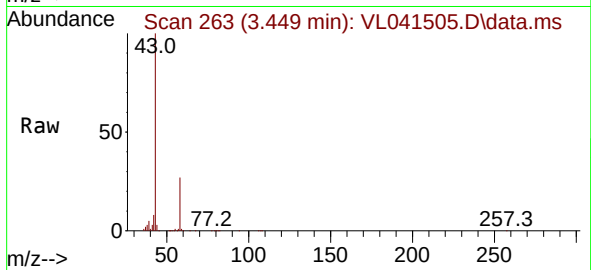
Tgt Ion:108 Resp: 450359  
Ion Ratio Lower Upper  
108 100  
106 108.0 86.9 130.3  
79 19.7 16.2 24.4





#15  
Acetone  
Concen: 9.789 ppbv  
RT: 3.449 min Scan# 20  
Delta R.T. -0.019 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

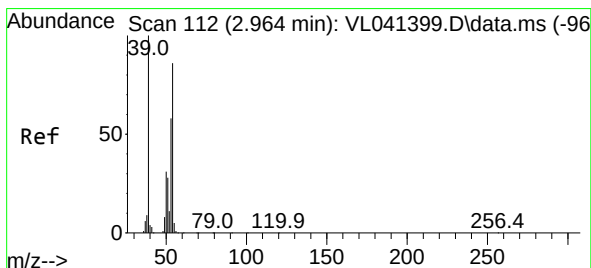
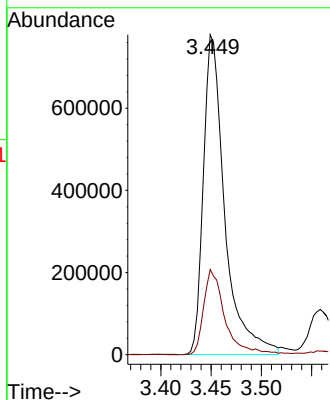
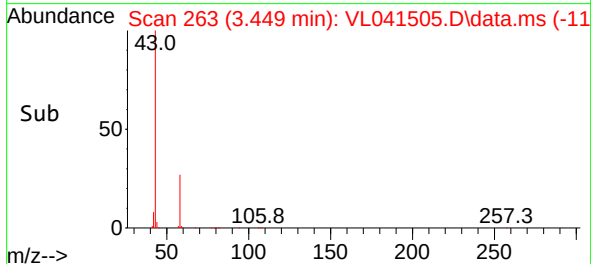
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



Tgt Ion: 43 Resp: 115308  
Ion Ratio Lower Upper  
43 100  
58 26.9 21.4 32.2

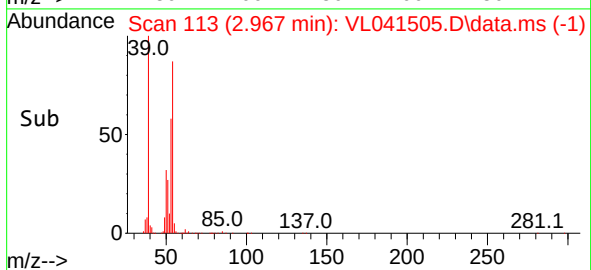
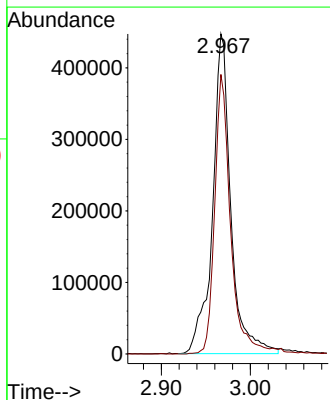
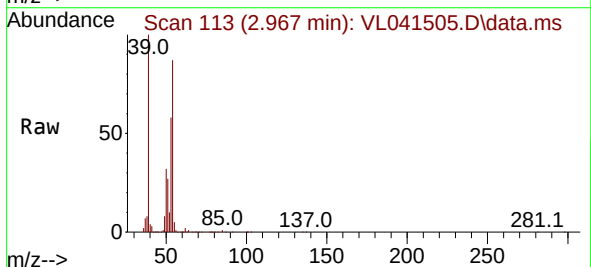
Manual Integrations  
APPROVED

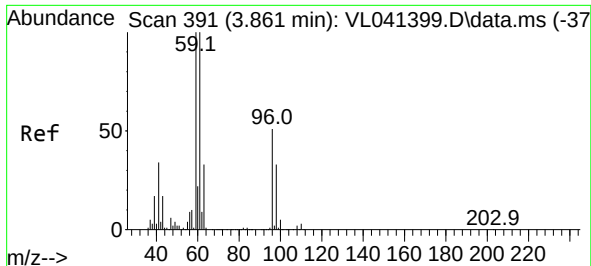
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#16  
1,3-Butadiene  
Concen: 10.170 ppbv  
RT: 2.967 min Scan# 113  
Delta R.T. -0.019 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Tgt Ion: 39 Resp: 640049  
Ion Ratio Lower Upper  
39 100  
54 77.2 62.5 93.7





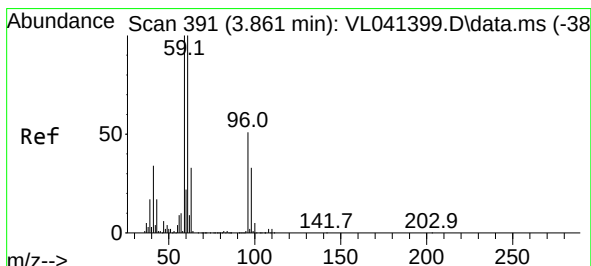
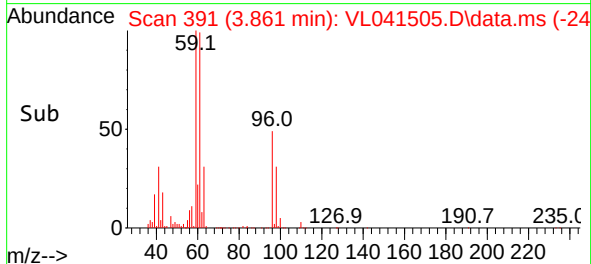
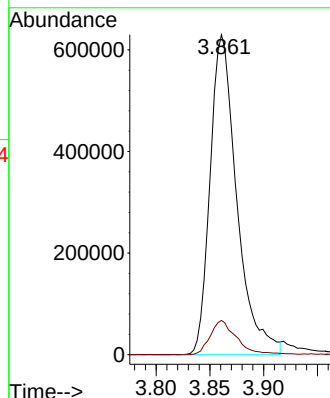
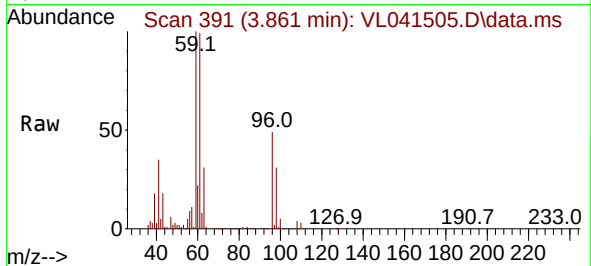
#17  
tert-Butyl alcohol  
Concen: 10.131 ppbv  
RT: 3.861 min Scan# 391  
Delta R.T. -0.016 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Instrument : MSVOA\_L  
ClientSampleId : VL0808ABS01

Tgt Ion: 59 Resp: 1088370  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.6 12.8

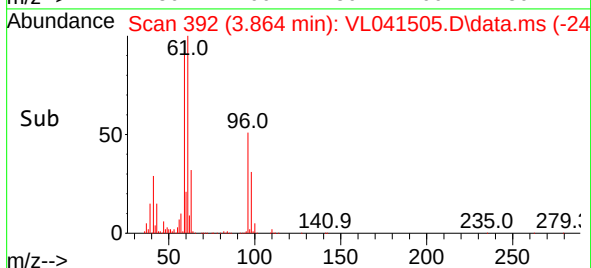
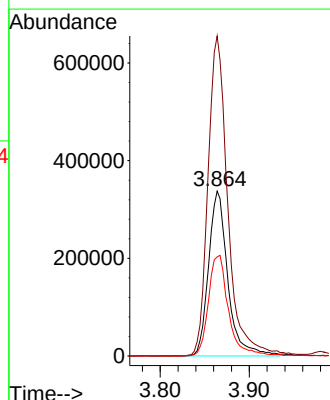
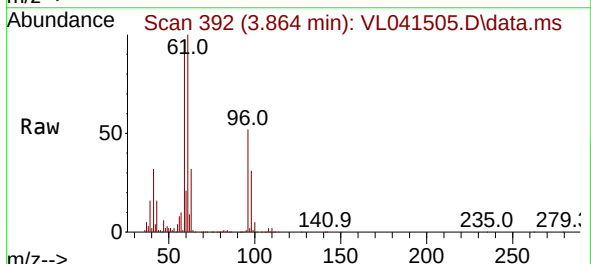
Manual Integrations  
APPROVED

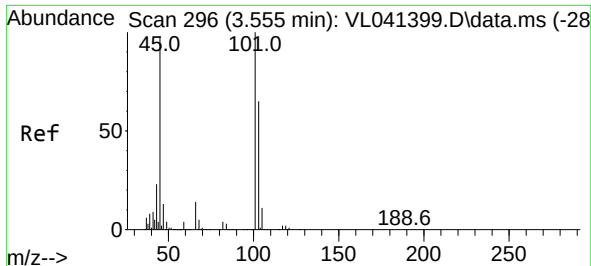
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#18  
1,1-Dichloroethene  
Concen: 10.404 ppbv  
RT: 3.864 min Scan# 392  
Delta R.T. -0.016 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

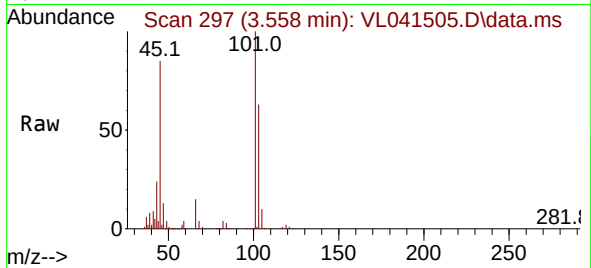
Tgt Ion: 96 Resp: 507629  
Ion Ratio Lower Upper  
96 100  
61 194.1 157.5 236.3  
98 60.1 51.2 76.8





#19  
Isopropyl Alcohol  
Concen: 9.430 ppbv  
RT: 3.558 min Scan# 296  
Delta R.T. -0.016 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

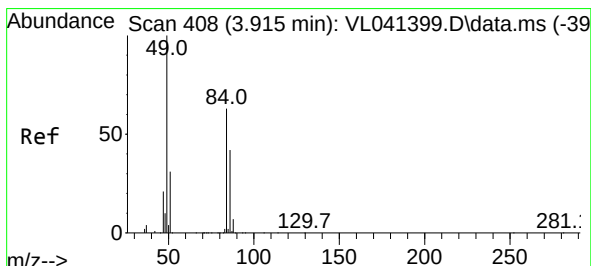
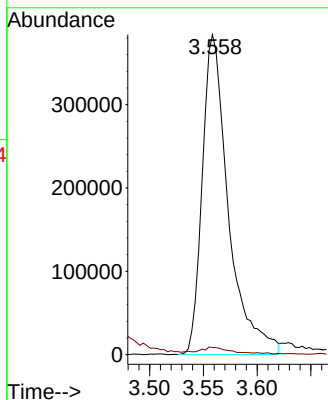
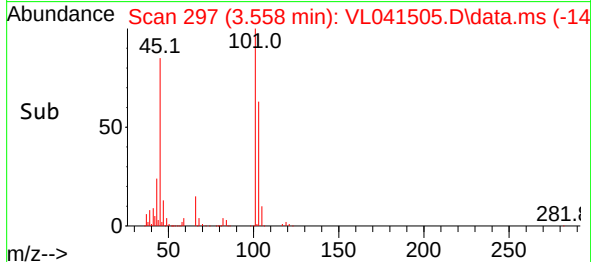
Instrument : MSVOA\_L  
ClientSampleId : VL0808ABS01



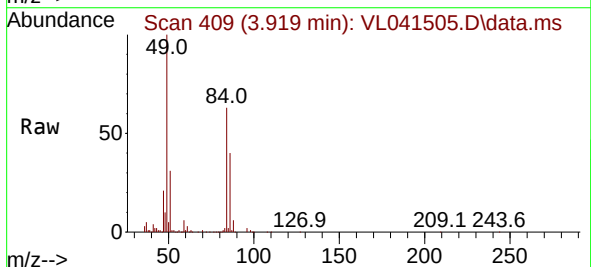
Tgt Ion: 45 Resp: 649410  
Ion Ratio Lower Upper  
45 100  
58 2.8 1.9 2.9

Manual Integrations  
APPROVED

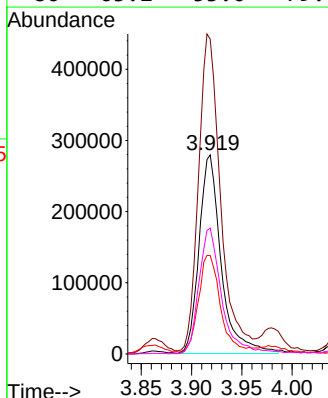
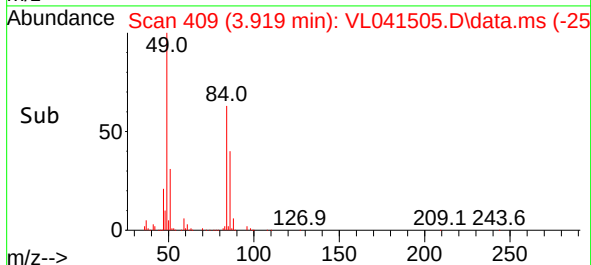
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024

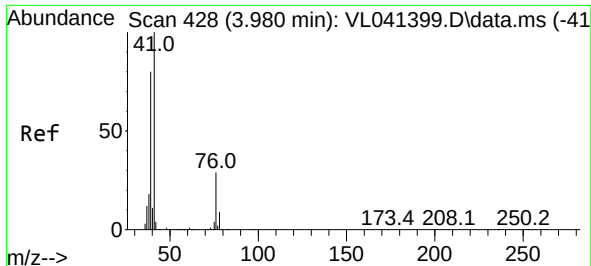


#20  
Methylene Chloride  
Concen: 9.721 ppbv  
RT: 3.919 min Scan# 409  
Delta R.T. -0.013 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39



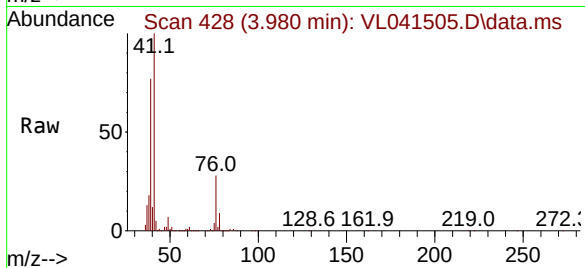
Tgt Ion: 84 Resp: 427017  
Ion Ratio Lower Upper  
84 100  
49 157.1 126.6 190.0  
51 48.5 38.6 58.0  
86 63.2 53.0 79.4





#21  
 Allyl Chloride  
 Concen: 10.489 ppbv  
 RT: 3.980 min Scan# 41  
 Delta R.T. -0.016 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39

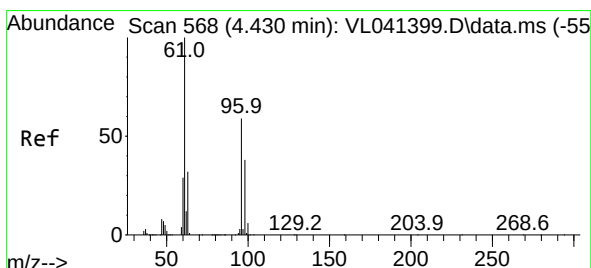
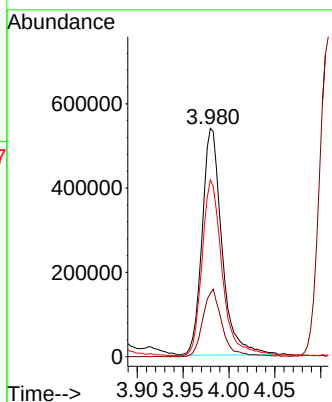
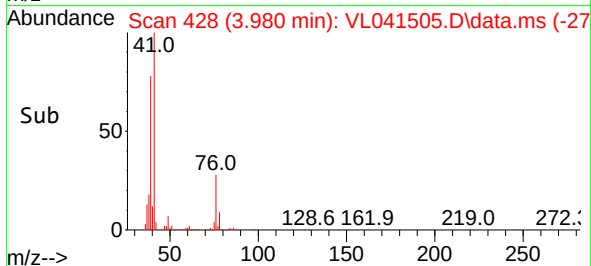
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0808ABS01



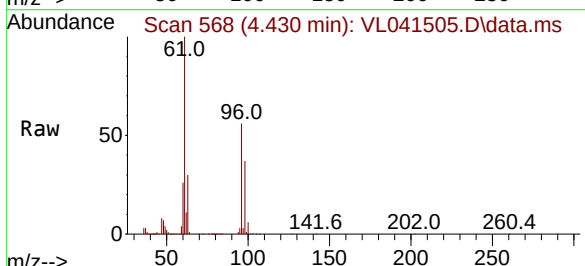
Tgt Ion: 41 Resp: 81026  
 Ion Ratio Lower Upper  
 41 100  
 76 29.1 23.7 35.5  
 39 79.0 64.3 96.5

Manual Integrations  
 APPROVED

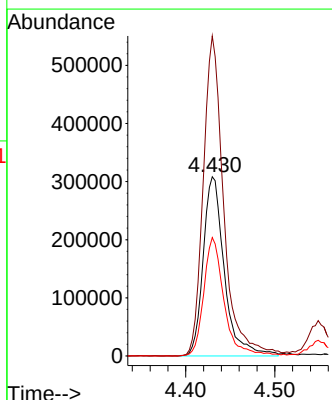
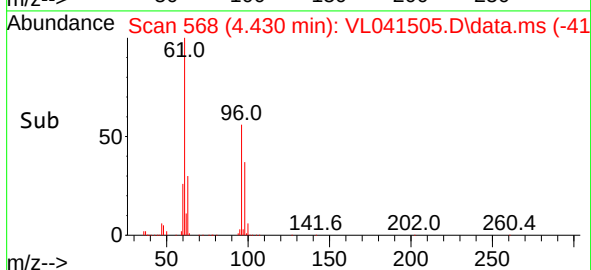
Reviewed By :Semsettin Yesilyurt 08/09/2024  
 Supervised By :Mahesh Dadoda 08/09/2024

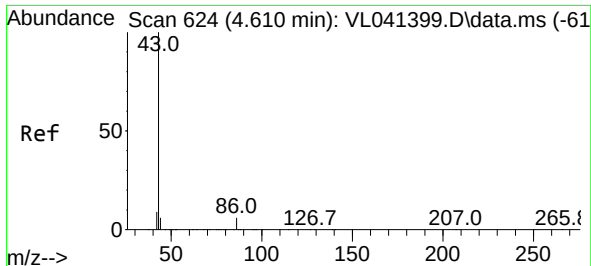


#22  
 trans-1,2-Dichloroethene  
 Concen: 10.440 ppbv  
 RT: 4.430 min Scan# 568  
 Delta R.T. -0.013 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39



Tgt Ion: 96 Resp: 509292  
 Ion Ratio Lower Upper  
 96 100  
 61 178.5 135.4 203.2  
 98 66.0 51.0 76.4





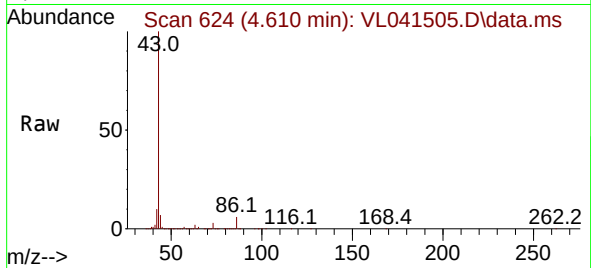
#23  
 Vinyl Acetate  
 Concen: 10.965 ppbv  
 RT: 4.610 min Scan# 610  
 Delta R.T. -0.016 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0808ABS01

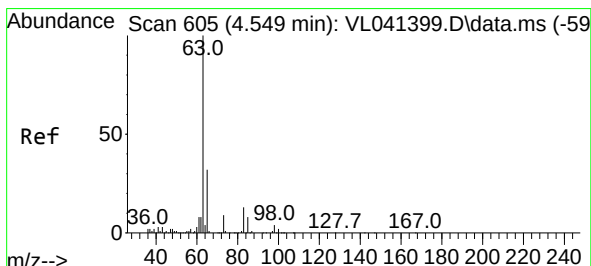
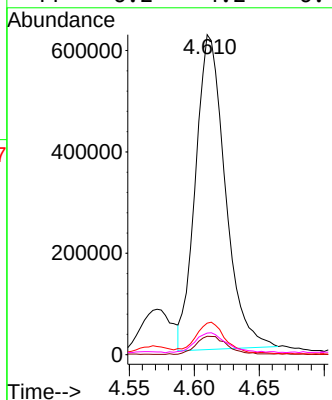
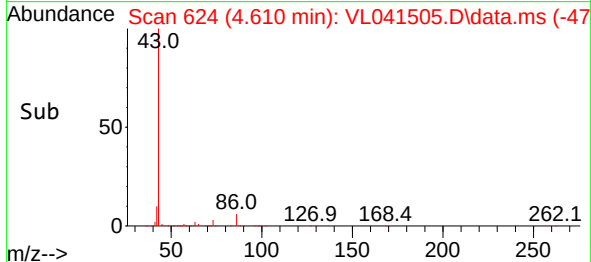


Tgt Ion: 43 Resp: 986430  
 Ion Ratio Lower Upper  
 43 100  
 86 5.7 4.6 6.8  
 42 9.7 7.9 11.9  
 44 6.2 4.2 6.4

Manual Integrations

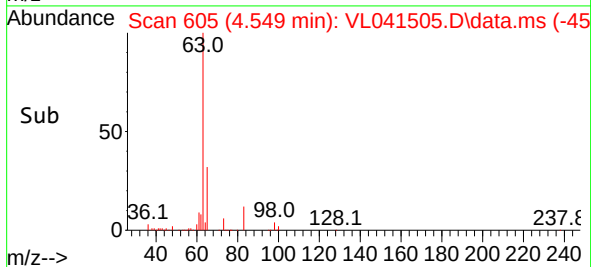
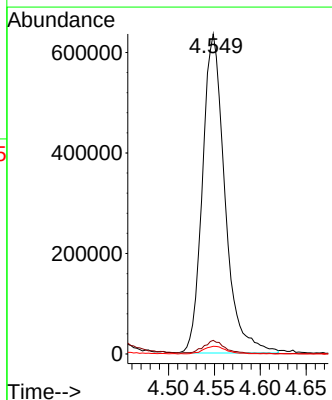
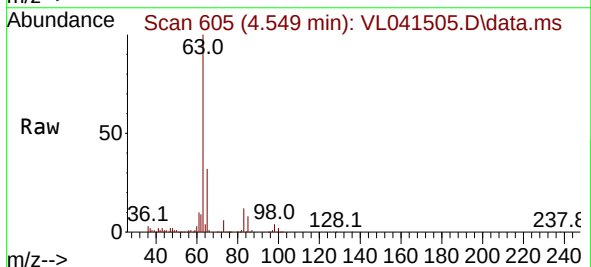
APPROVED

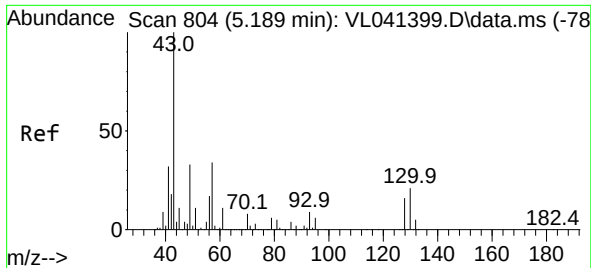
Reviewed By :Semsettin Yesilyurt 08/09/2024  
 Supervised By :Mahesh Dadoda 08/09/2024



#24  
 1,1-Dichloroethane  
 Concen: 10.200 ppbv  
 RT: 4.549 min Scan# 605  
 Delta R.T. -0.013 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39

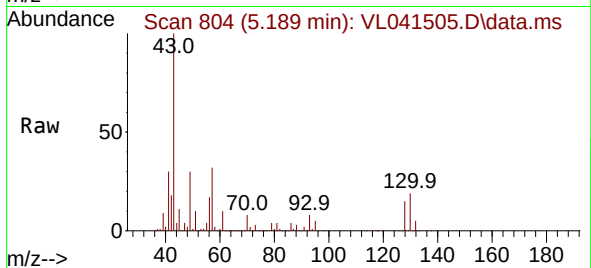
Tgt Ion: 63 Resp: 1080436  
 Ion Ratio Lower Upper  
 63 100  
 98 4.1 2.0 6.0  
 100 2.4 1.2 3.6





#25  
Ethyl Acetate  
Concen: 10.419 ppbv  
RT: 5.189 min Scan# 804  
Delta R.T. -0.013 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01

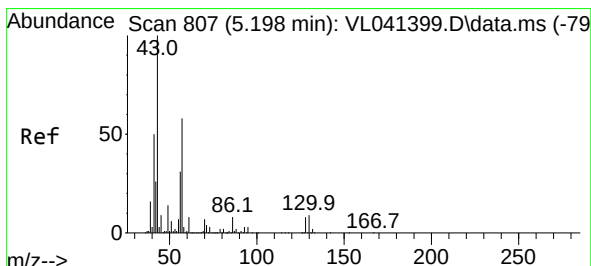
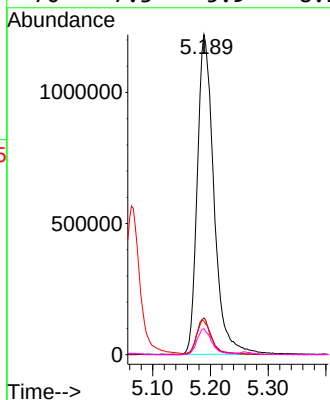
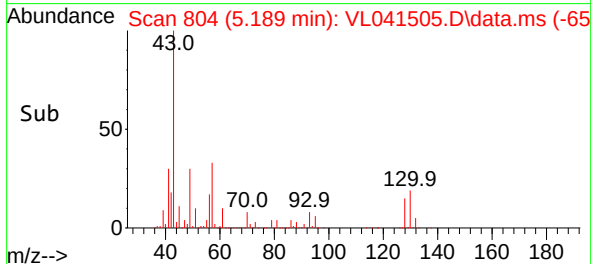


Tgt Ion: 43 Resp: 243816

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.4  | 8.5   | 12.7  |
| 61  | 9.7   | 8.0   | 12.0  |
| 70  | 7.3   | 5.9   | 8.9   |

Manual Integrations  
APPROVED

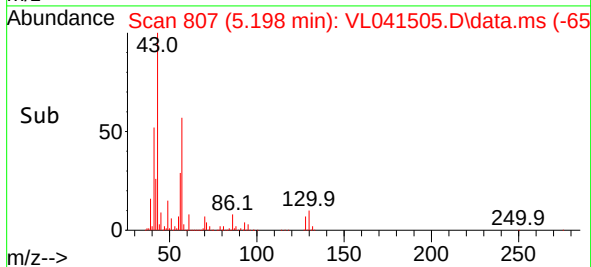
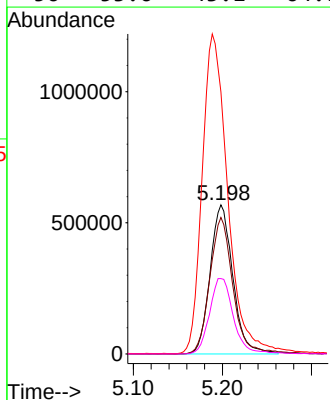
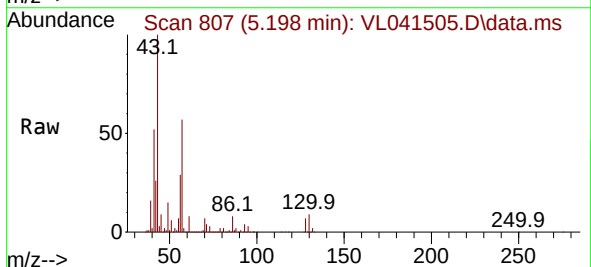
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



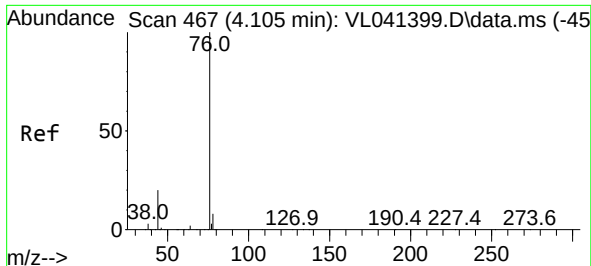
#26  
Hexane  
Concen: 10.377 ppbv  
RT: 5.198 min Scan# 807  
Delta R.T. -0.013 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Tgt Ion: 57 Resp: 1007382

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 93.6  | 74.0  | 111.0 |
| 43  | 242.7 | 193.6 | 290.4 |
| 56  | 53.6  | 43.1  | 64.7  |

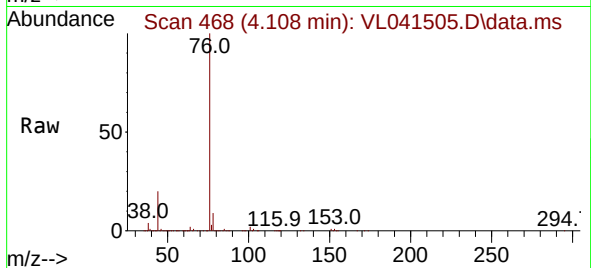






#27  
Carbon Disulfide  
Concen: 10.591 ppbv  
RT: 4.108 min Scan# 468  
Delta R.T. -0.016 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

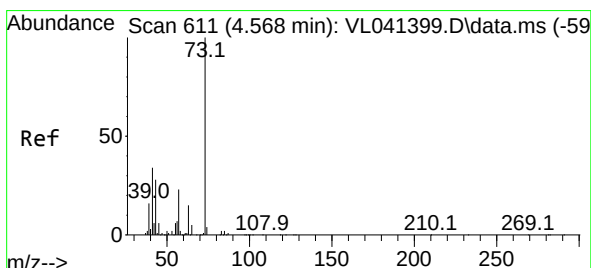
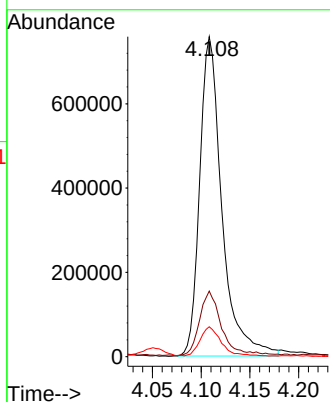
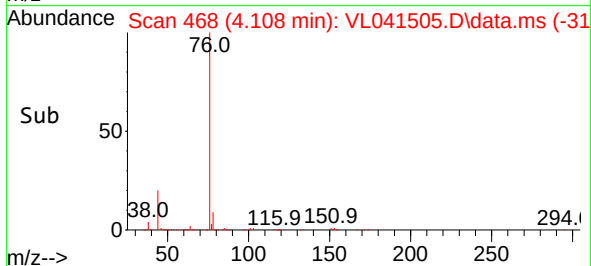
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



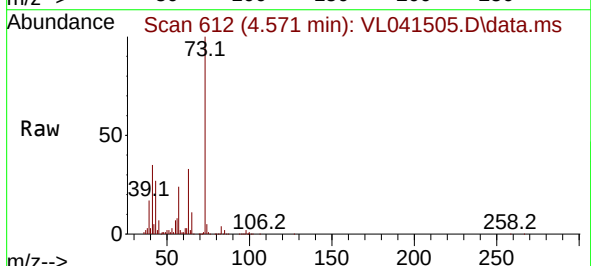
Tgt Ion: 76 Resp: 1202780  
Ion Ratio Lower Upper  
76 100  
44 20.2 15.6 23.4  
78 9.7 7.7 11.5

Manual Integrations  
APPROVED

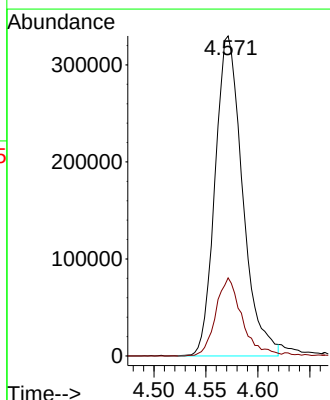
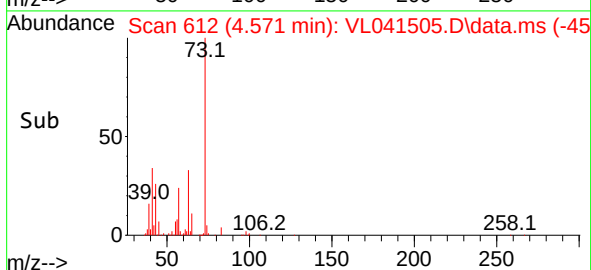
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024

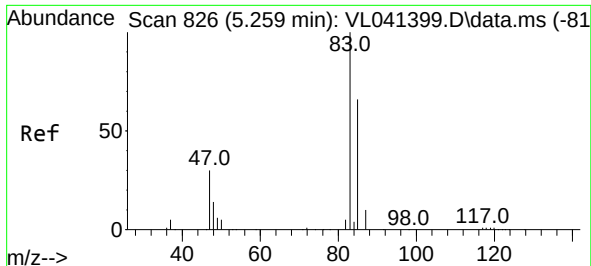


#28  
Methyl tert-Butyl Ether  
Concen: 9.910 ppbv  
RT: 4.571 min Scan# 612  
Delta R.T. -0.010 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39



Tgt Ion: 73 Resp: 606713  
Ion Ratio Lower Upper  
73 100  
57 24.0 18.9 28.3





#29

Chloroform

Concen: 9.987 ppbv

RT: 5.259 min Scan# 81

Delta R.T. -0.013 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0808ABS01

Tgt Ion: 83 Resp: 158130

Ion Ratio Lower Upper

83 100

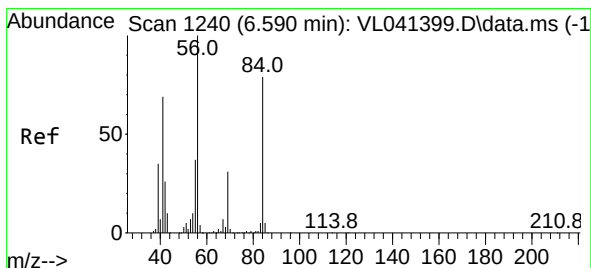
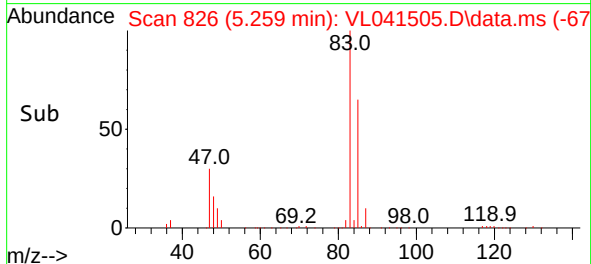
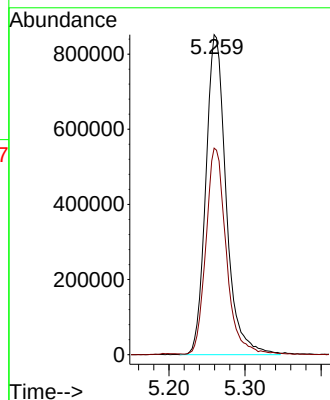
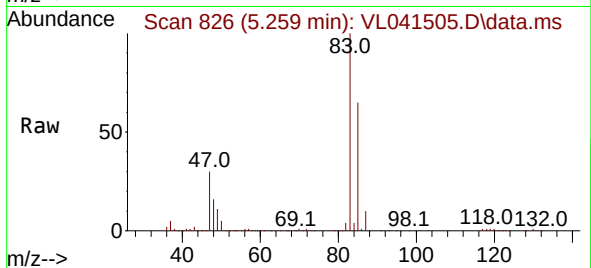
85 64.3 53.1 79.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#30

Cyclohexane

Concen: 10.914 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. -0.010 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

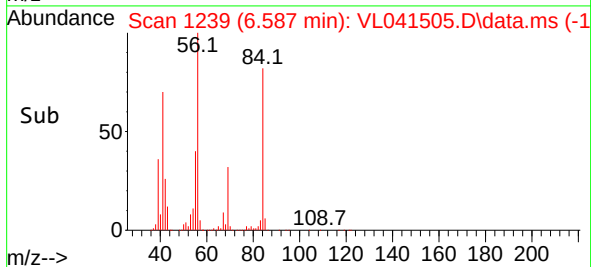
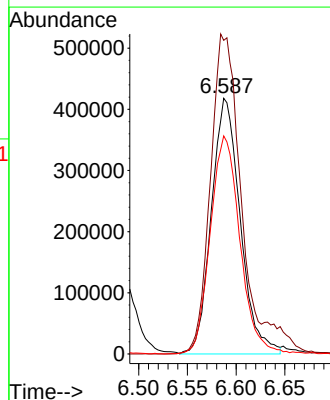
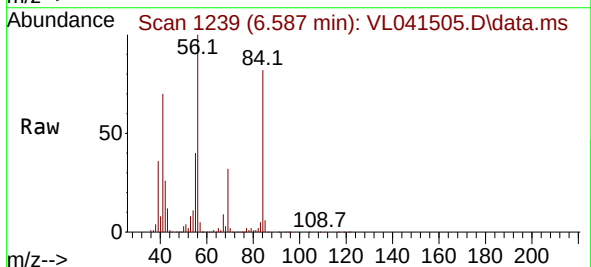
Tgt Ion: 84 Resp: 862757

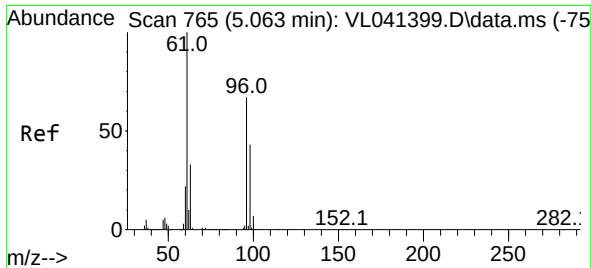
Ion Ratio Lower Upper

84 100

56 136.7 111.2 166.8

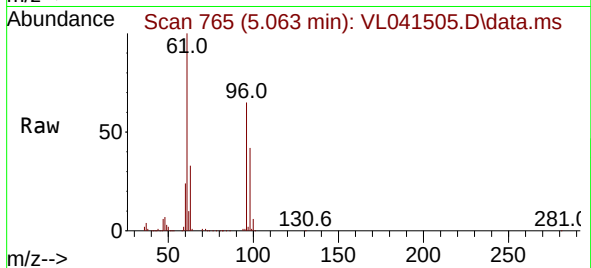
41 87.6 70.3 105.5





#31  
 cis-1,2-Dichloroethene  
 Concen: 10.329 ppbv  
 RT: 5.063 min Scan# 765  
 Delta R.T. -0.013 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39

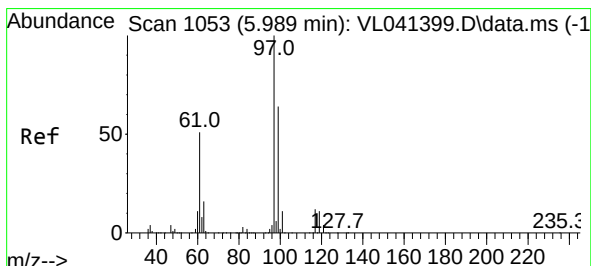
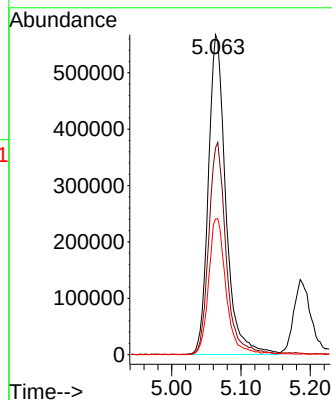
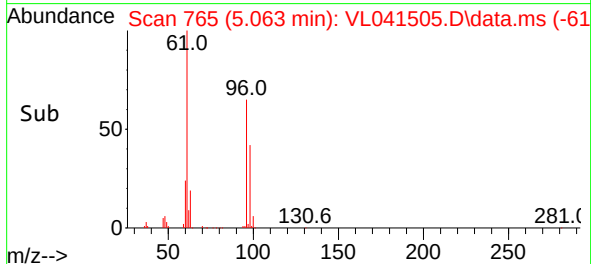
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0808ABS01



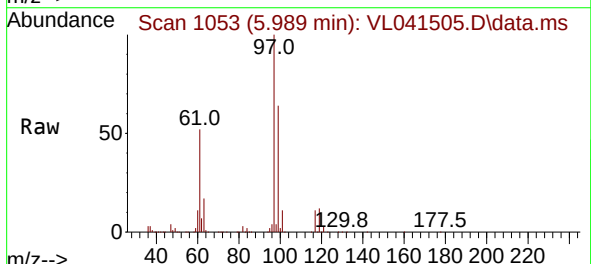
Tgt Ion: 61 Resp: 990549  
 Ion Ratio Lower Upper  
 61 100  
 96 64.6 53.4 80.2  
 98 42.4 34.4 51.6

Manual Integrations  
 APPROVED

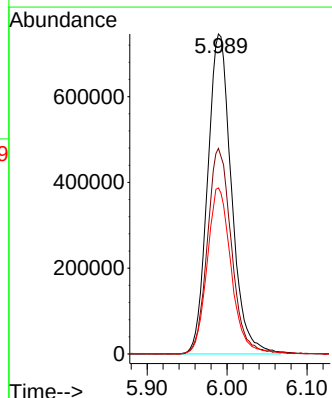
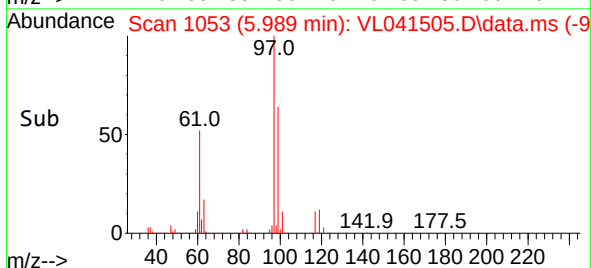
Reviewed By :Semsettin Yesilyurt 08/09/2024  
 Supervised By :Mahesh Dadoda 08/09/2024

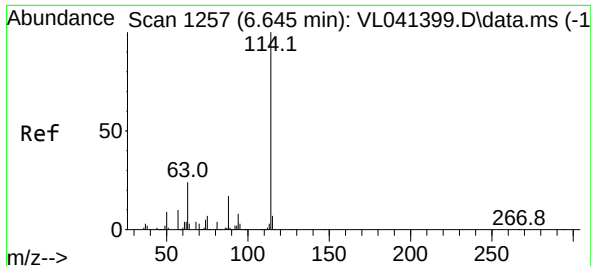


#32  
 1,1,1-Trichloroethane  
 Concen: 10.054 ppbv  
 RT: 5.989 min Scan# 1053  
 Delta R.T. -0.010 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39



Tgt Ion: 97 Resp: 1549649  
 Ion Ratio Lower Upper  
 97 100  
 99 65.0 52.0 78.0  
 61 52.2 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.006 min

Lab File: VL041505.D

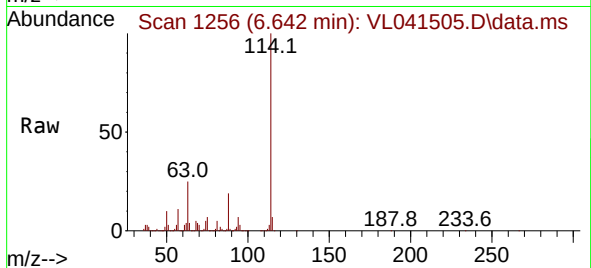
Acq: 8 Aug 2024 9:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0808ABS01



Tgt Ion:114 Resp: 2818389

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

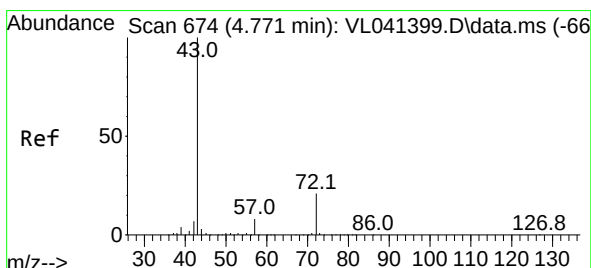
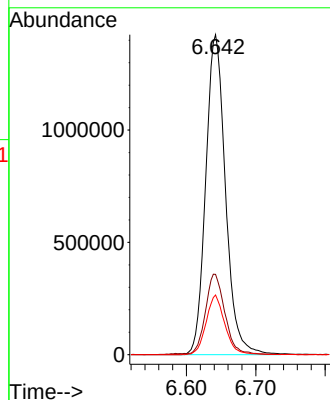
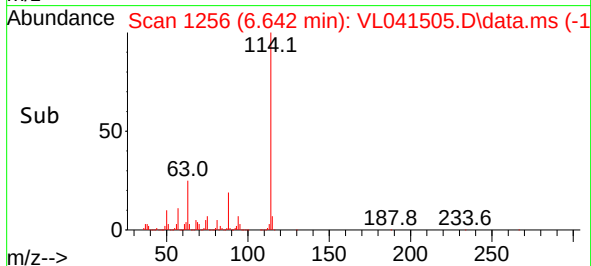
88 17.8 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#34

2-Butanone

Concen: 10.484 ppbv

RT: 4.771 min Scan# 674

Delta R.T. -0.013 min

Lab File: VL041505.D

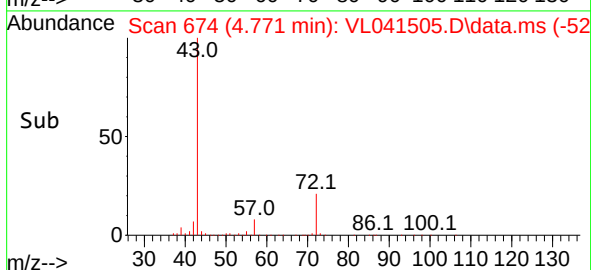
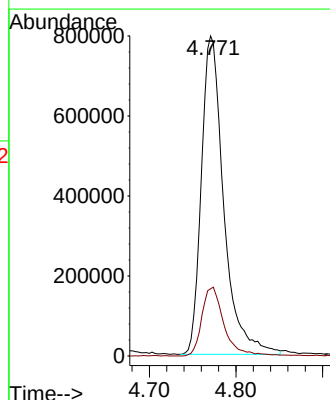
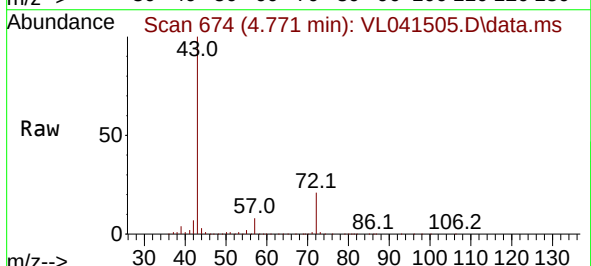
Acq: 8 Aug 2024 9:39

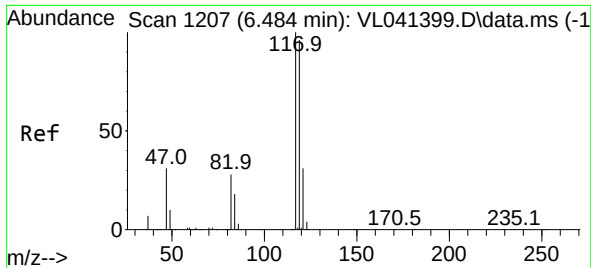
Tgt Ion: 43 Resp: 1429326

Ion Ratio Lower Upper

43 100

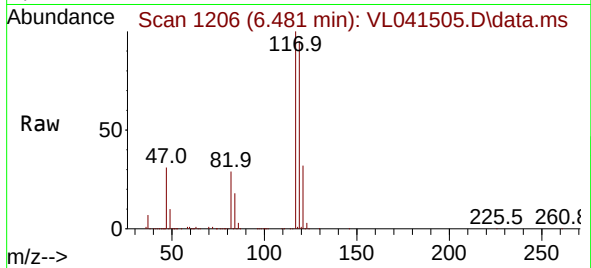
72 21.8 17.3 25.9





#35  
Carbon Tetrachloride  
Concen: 10.397 ppbv  
RT: 6.481 min Scan# 1167  
Delta R.T. -0.010 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

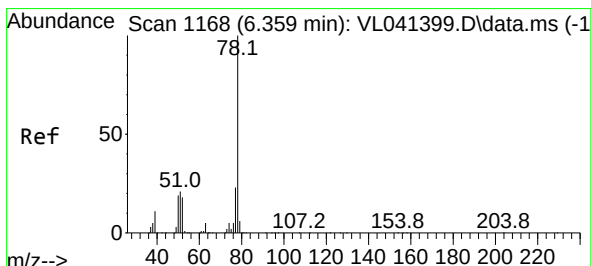
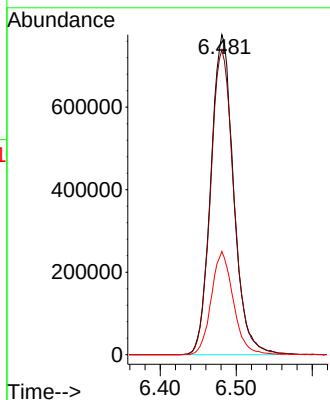
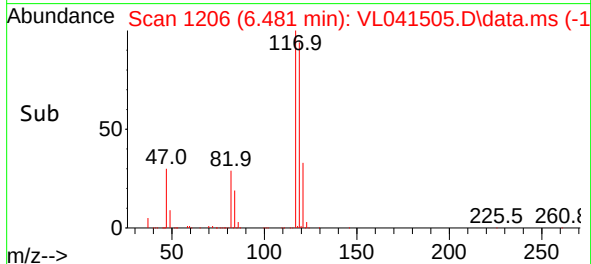
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



Tgt Ion: 117 Resp: 161627  
Ion Ratio Lower Upper  
117 100  
119 95.2 76.6 115.0  
121 32.3 25.1 37.7

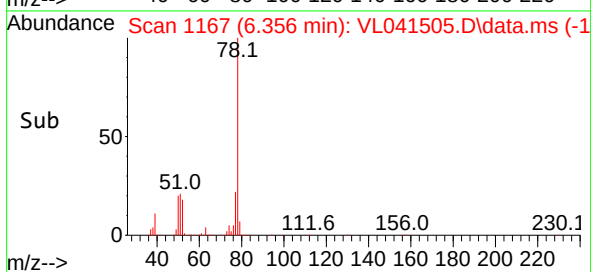
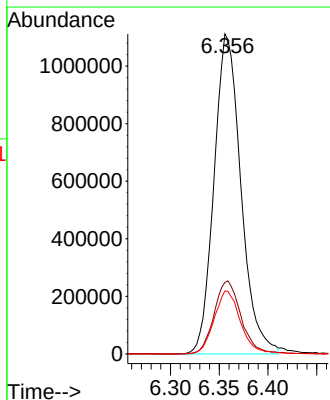
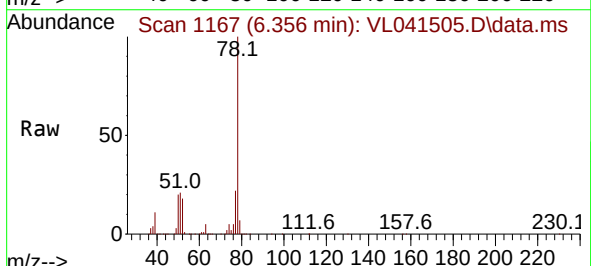
Manual Integrations  
APPROVED

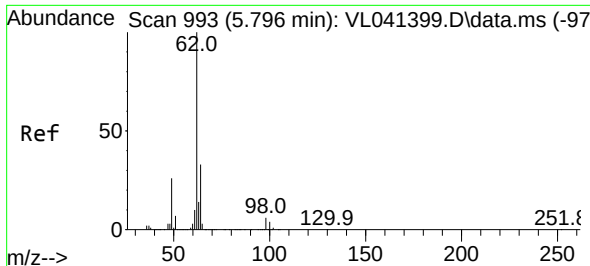
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#36  
Benzene  
Concen: 10.367 ppbv  
RT: 6.356 min Scan# 1167  
Delta R.T. -0.013 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Tgt Ion: 78 Resp: 2135056  
Ion Ratio Lower Upper  
78 100  
77 22.3 18.1 27.1  
50 19.7 15.5 23.3





#37

1,2-Dichloroethane

Concen: 10.363 ppbv

RT: 5.793 min Scan# 91

Delta R.T. -0.013 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0808ABS01

Tgt Ion: 62 Resp: 119449

Ion Ratio Lower Upper

62 100

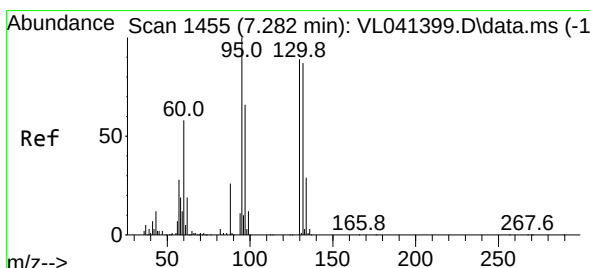
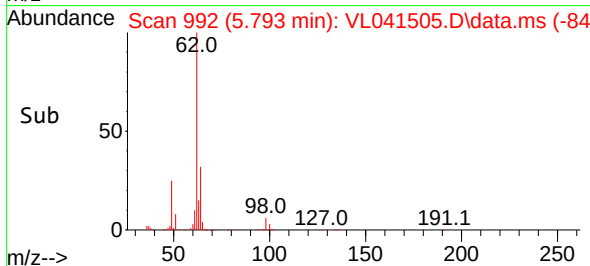
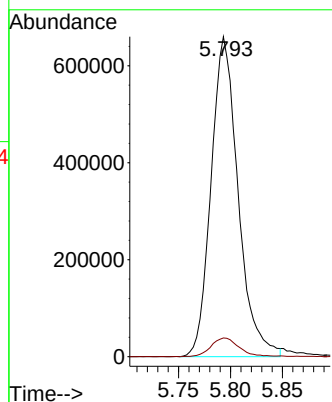
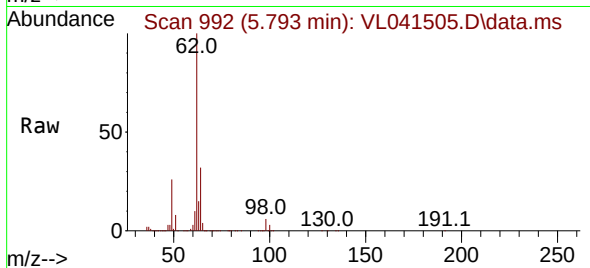
98 6.3 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#38

Trichloroethene

Concen: 10.570 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Tgt Ion:130 Resp: 997228

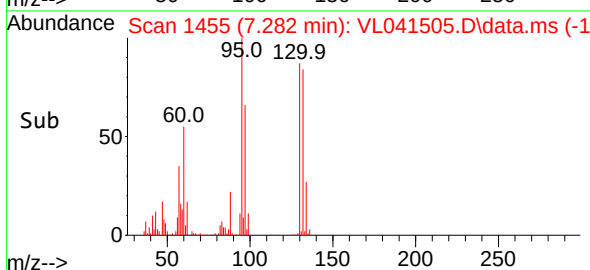
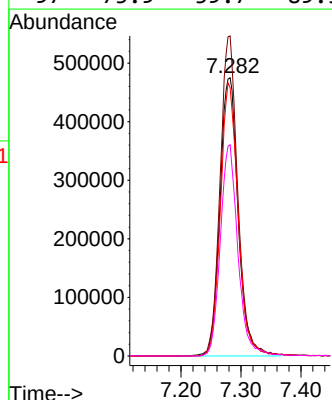
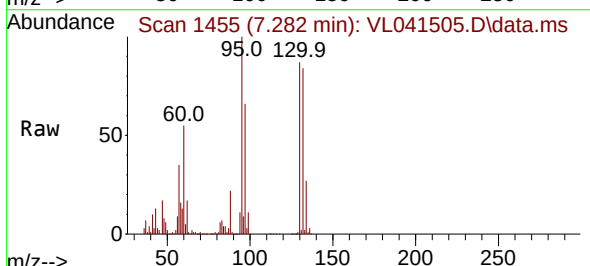
Ion Ratio Lower Upper

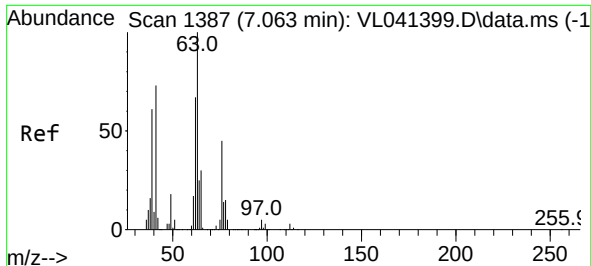
130 100

95 115.0 90.2 135.2

132 96.4 78.1 117.1

97 75.9 59.7 89.5





#39

1,2-Dichloropropane

Concen: 10.521 ppbv

RT: 7.060 min Scan# 1387

Delta R.T. -0.010 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA\_L

ClientSampleId :

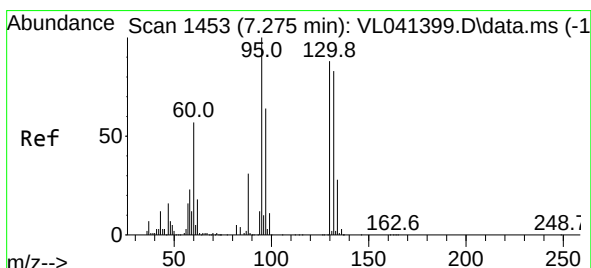
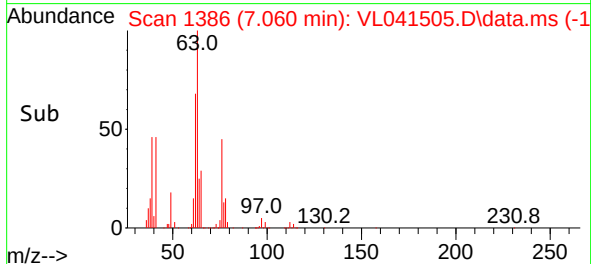
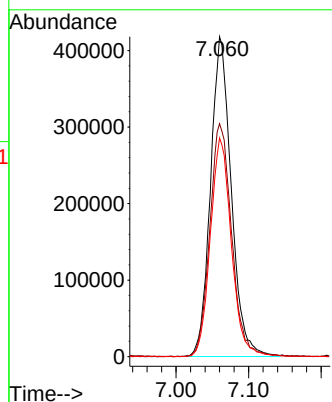
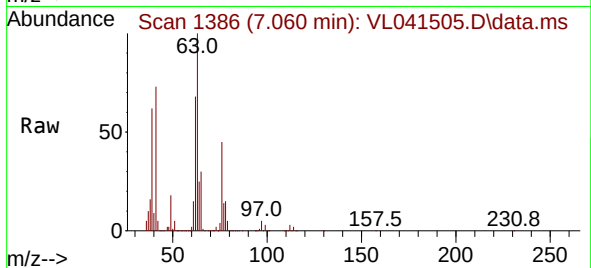
VL0808ABS01

|             |                |
|-------------|----------------|
| Tgt Ion: 63 | Resp: 82948    |
| Ion Ratio   | Lower Upper    |
| 63          | 100            |
| 41          | 72.8 58.3 87.5 |
| 62          | 68.4 53.9 80.9 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#40

1,4-Dioxane

Concen: 9.424 ppbv

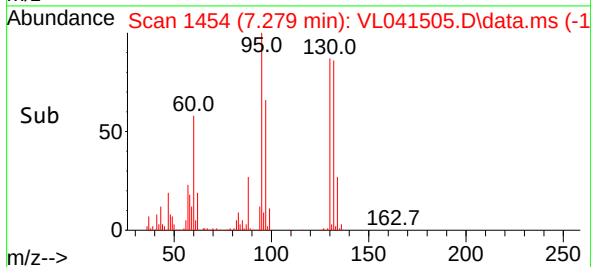
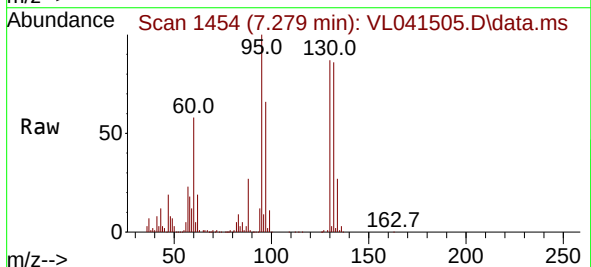
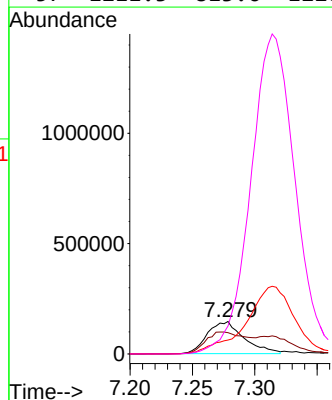
RT: 7.279 min Scan# 1454

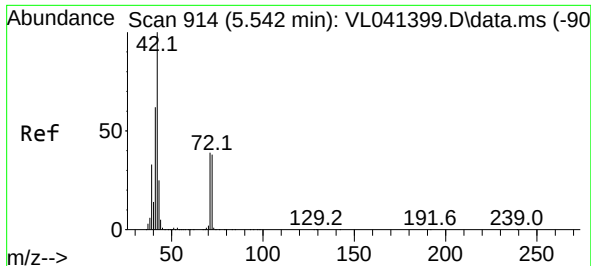
Delta R.T. 0.000 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

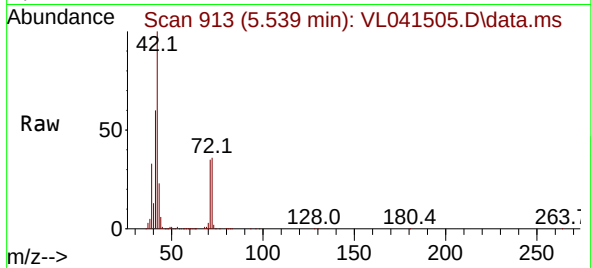
|             |                     |
|-------------|---------------------|
| Tgt Ion: 88 | Resp: 298472        |
| Ion Ratio   | Lower Upper         |
| 88          | 100                 |
| 58          | 132.4 95.8 143.6    |
| 43          | 278.9 188.2 282.2   |
| 57          | 1211.3 813.6 1220.4 |





#41  
Tetrahydrofuran  
Concen: 11.179 ppbv  
RT: 5.539 min Scan# 914  
Delta R.T. -0.013 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

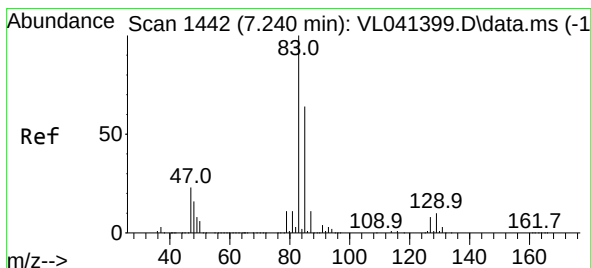
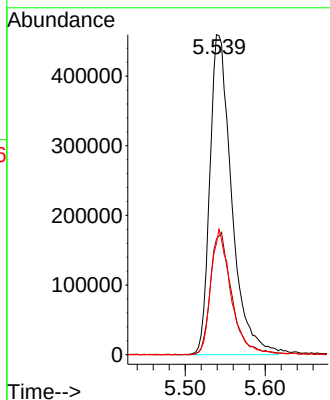
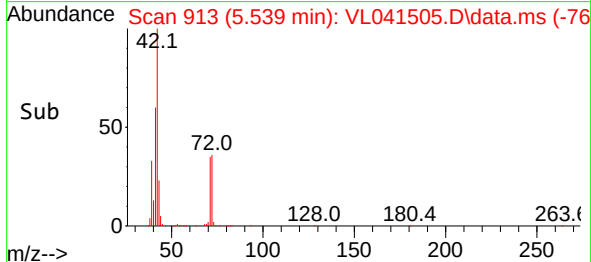
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



Tgt Ion: 42 Resp: 871664  
Ion Ratio Lower Upper  
42 100  
72 37.7 31.2 46.8  
71 36.6 30.5 45.7

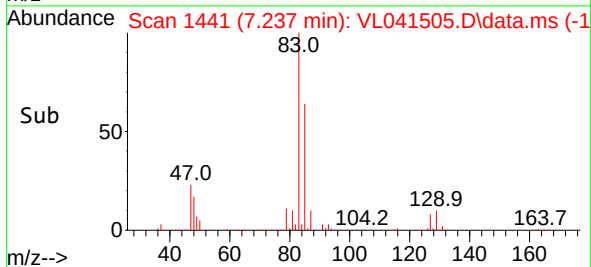
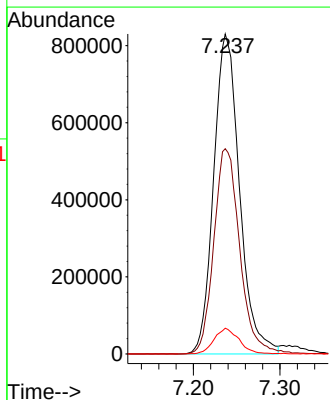
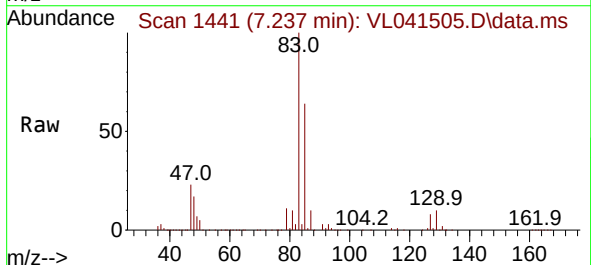
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024

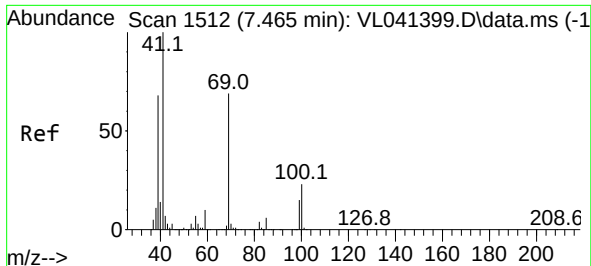


#42  
Bromodichloromethane  
Concen: 10.346 ppbv  
RT: 7.237 min Scan# 1441  
Delta R.T. -0.010 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Tgt Ion: 83 Resp: 1721893  
Ion Ratio Lower Upper  
83 100  
85 64.1 51.4 77.0  
127 8.0 6.7 10.1

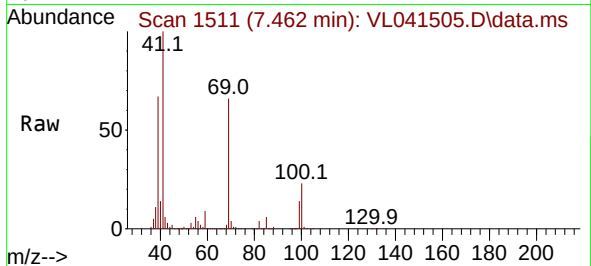






#43  
Methyl Methacrylate  
Concen: 11.585 ppbv  
RT: 7.462 min Scan# 1511  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

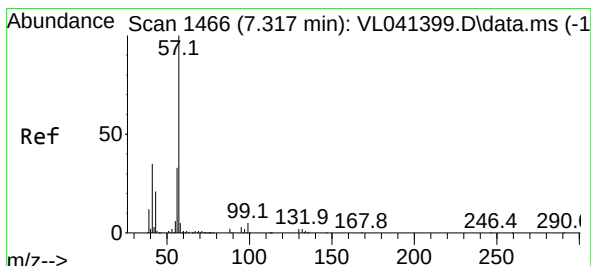
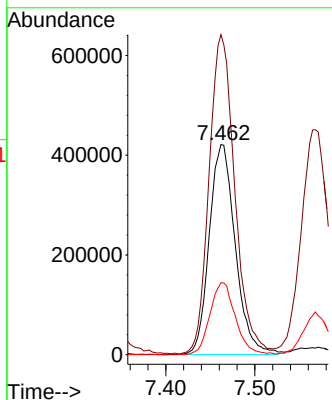
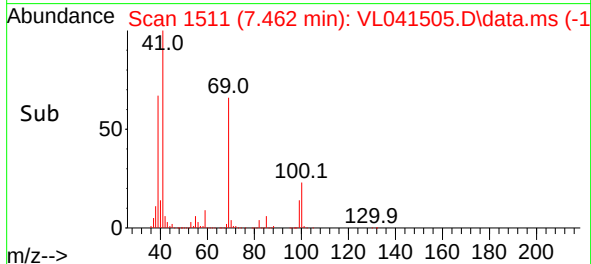
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



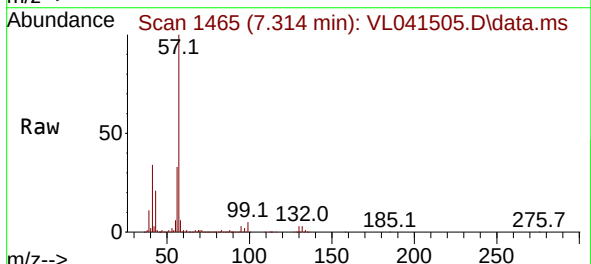
Tgt Ion: 69 Resp: 855549  
Ion Ratio Lower Upper  
69 100  
41 150.4 118.7 178.1  
100 33.6 27.0 40.4

Manual Integrations  
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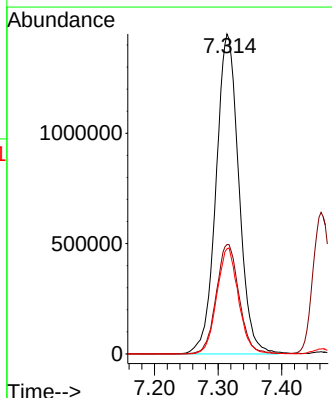
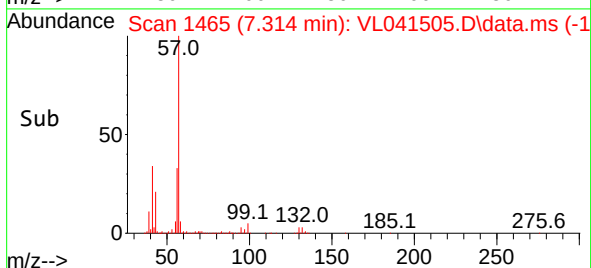
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024

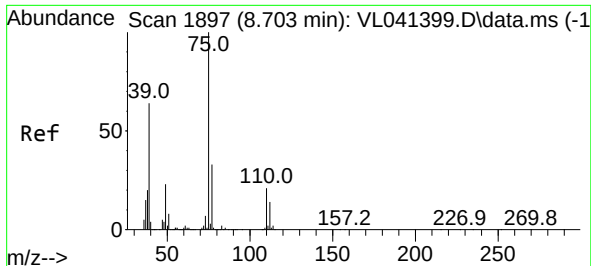


#44  
2,2,4-Trimethylpentane  
Concen: 10.476 ppbv  
RT: 7.314 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39



Tgt Ion: 57 Resp: 3603459  
Ion Ratio Lower Upper  
57 100  
41 34.3 27.0 40.6  
56 31.6 25.2 37.8





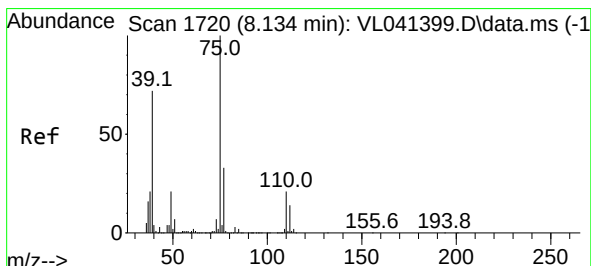
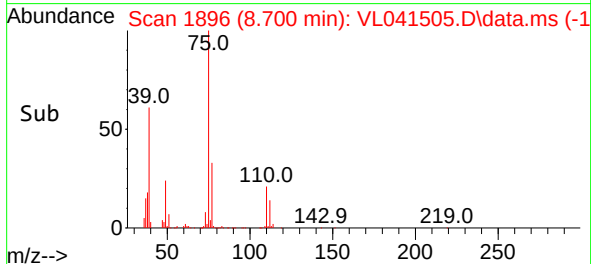
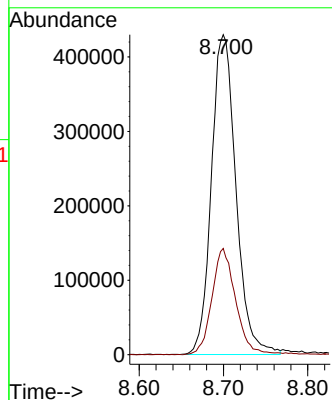
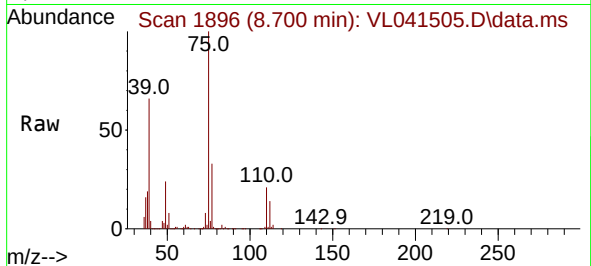
#45  
t-1,3-Dichloropropene  
Concen: 12.812 ppbv  
RT: 8.700 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01

Tgt Ion: 75 Resp: 870875  
Ion Ratio Lower Upper  
75 100  
77 33.2 26.5 39.7

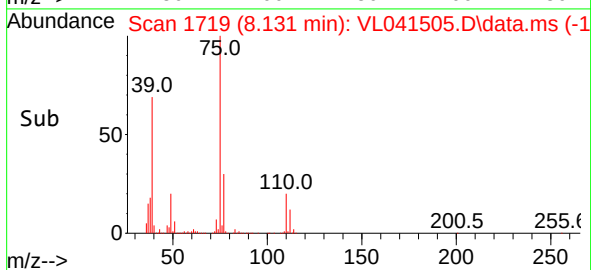
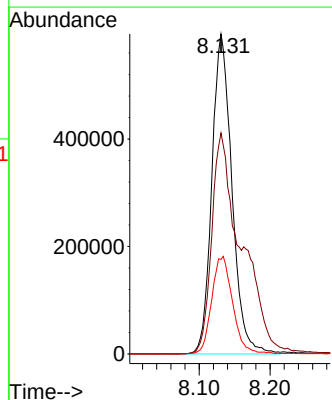
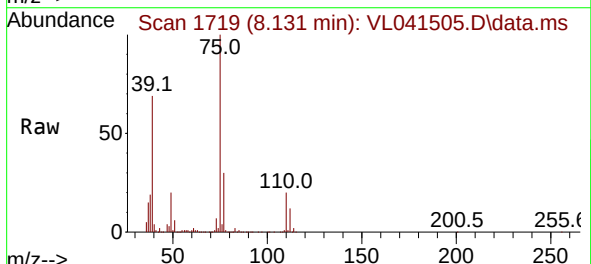
Manual Integrations  
APPROVED

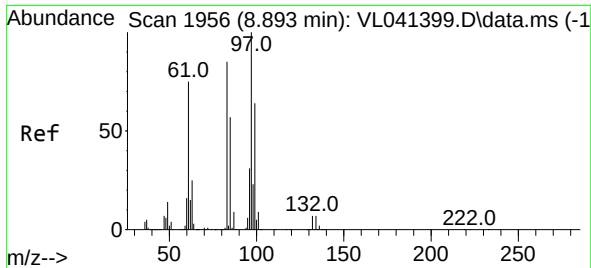
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#46  
cis-1,3-Dichloropropene  
Concen: 11.926 ppbv  
RT: 8.131 min Scan# 1719  
Delta R.T. -0.010 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Tgt Ion: 75 Resp: 1170577  
Ion Ratio Lower Upper  
75 100  
39 69.0 57.3 85.9  
77 29.6 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 10.407 ppbv

RT: 8.889 min Scan# 1956

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0808ABS01

Tgt Ion: 97 Resp: 904470

Ion Ratio Lower Upper

97 100

83 87.9 67.6 101.4

85 55.0 45.9 68.9

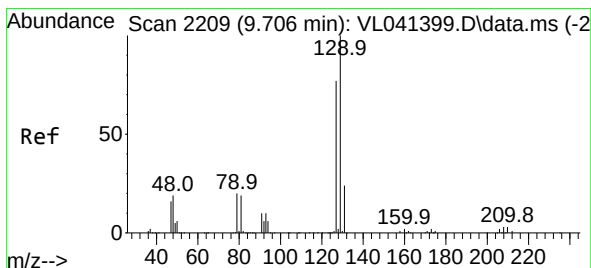
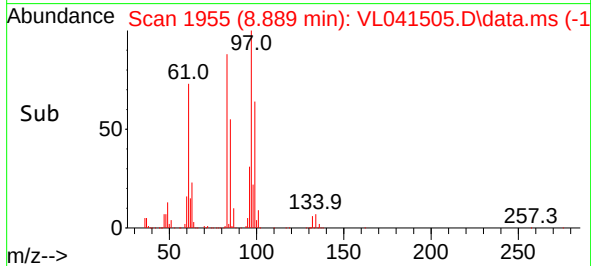
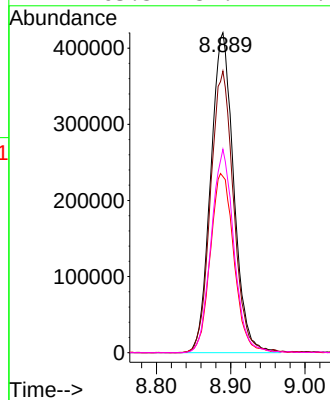
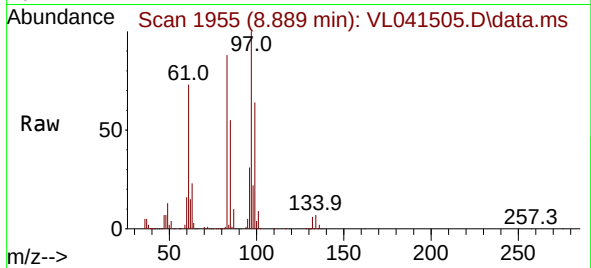
99 63.5 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#48

Dibromochloromethane

Concen: 10.667 ppbv

RT: 9.700 min Scan# 2207

Delta R.T. -0.006 min

Lab File: VL041505.D

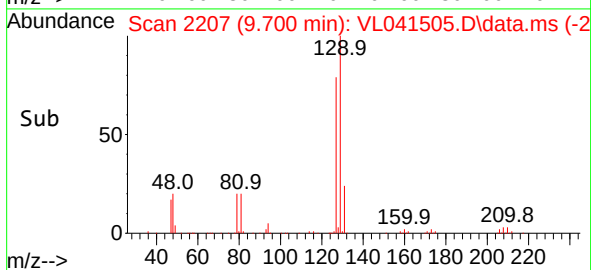
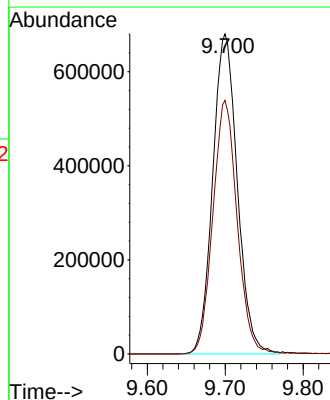
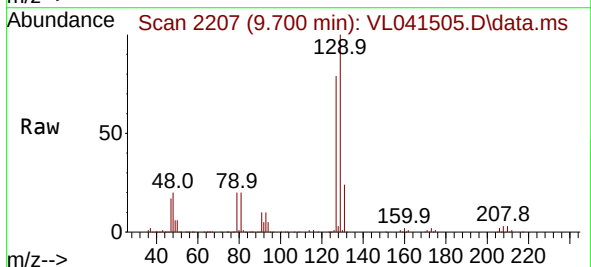
Acq: 8 Aug 2024 9:39

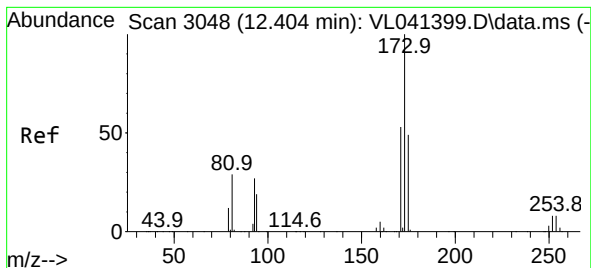
Tgt Ion:129 Resp: 1493471

Ion Ratio Lower Upper

129 100

127 78.5 39.3 117.8





#49

Bromoform

Concen: 11.335 ppbv

RT: 12.397 min Scan# 3048

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0808ABS01

Tgt Ion:173 Resp: 1340539

Ion Ratio Lower Upper

173 100

175 49.2 39.9 59.9

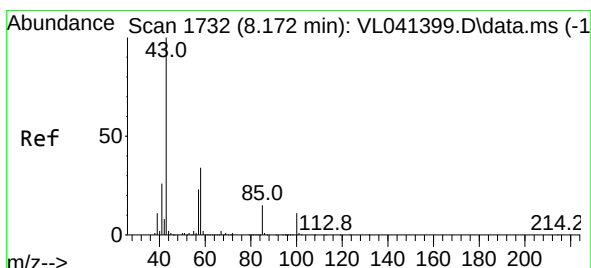
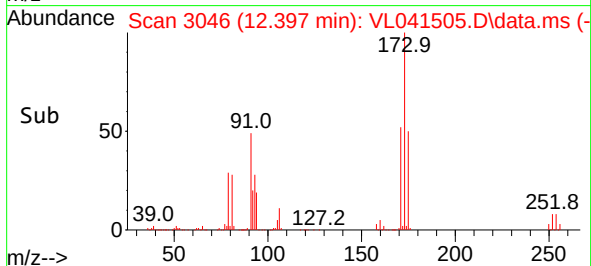
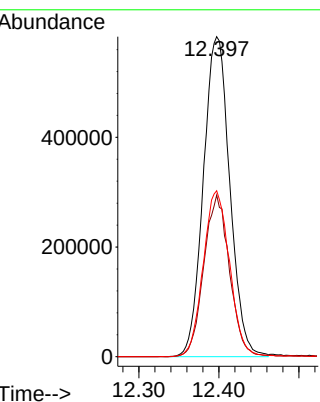
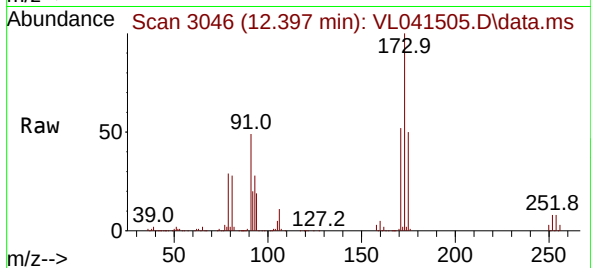
171 52.1 41.7 62.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#50

4-Methyl-2-Pentanone

Concen: 11.179 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. -0.006 min

Lab File: VL041505.D

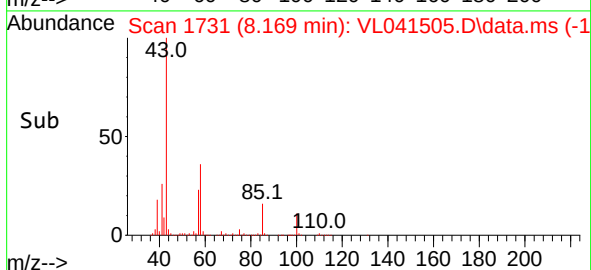
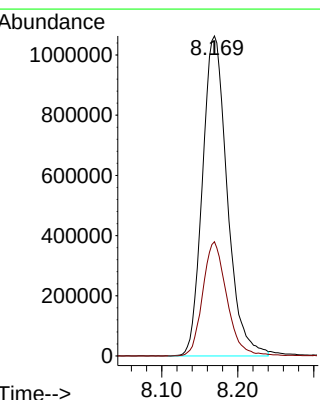
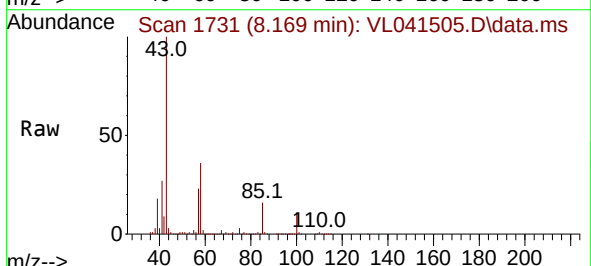
Acq: 8 Aug 2024 9:39

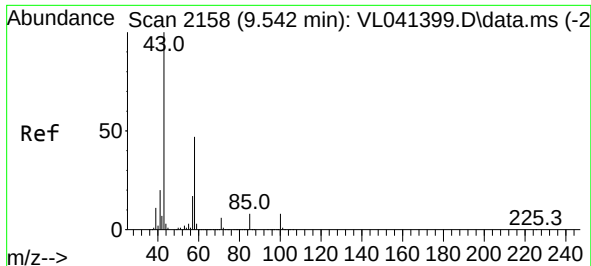
Tgt Ion: 43 Resp: 2404678

Ion Ratio Lower Upper

43 100

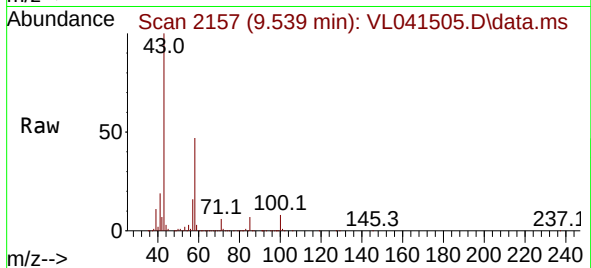
58 35.0 27.9 41.9





#51  
2-Hexanone  
Concen: 12.062 ppbv  
RT: 9.539 min Scan# 2158  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

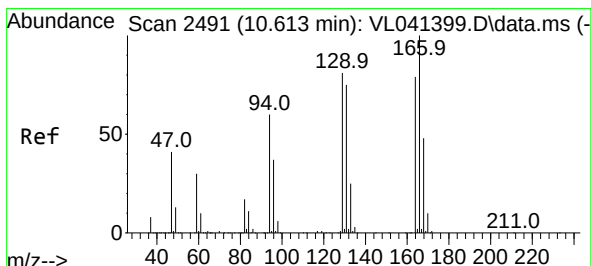
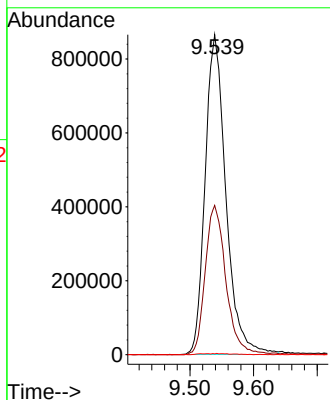
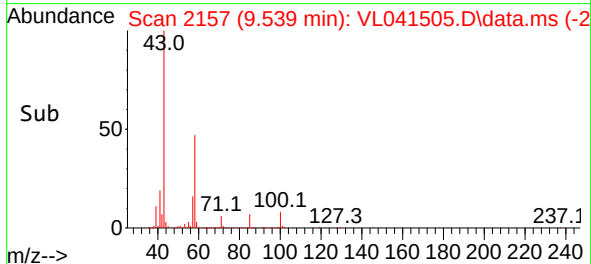
Instrument : MSVOA\_L  
ClientSampleId : VL0808ABS01



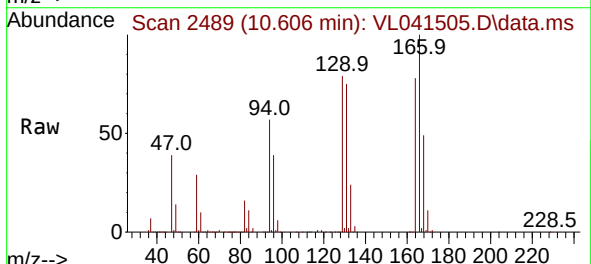
Tgt Ion: 43 Resp: 196190  
Ion Ratio Lower Upper  
43 100  
58 47.1 38.2 57.2  
98 0.6 0.3 0.5

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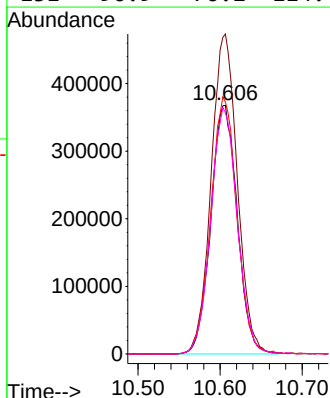
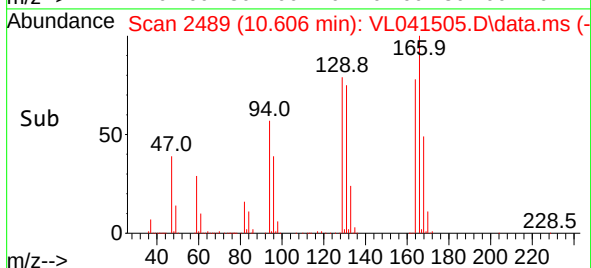
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024

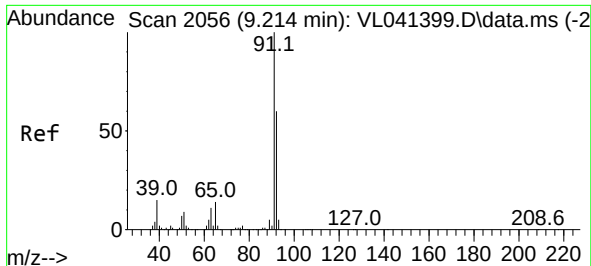


#52  
Tetrachloroethene  
Concen: 10.351 ppbv  
RT: 10.606 min Scan# 2489  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39



Tgt Ion:164 Resp: 823642  
Ion Ratio Lower Upper  
164 100  
166 128.5 101.1 151.7  
129 101.2 81.7 122.5  
131 96.9 76.2 114.4





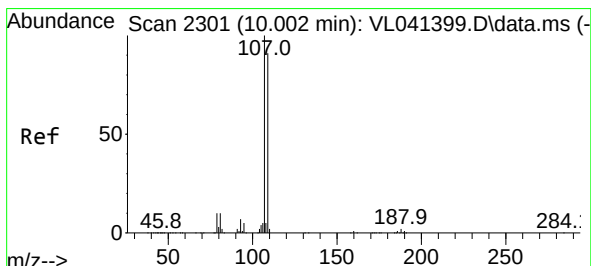
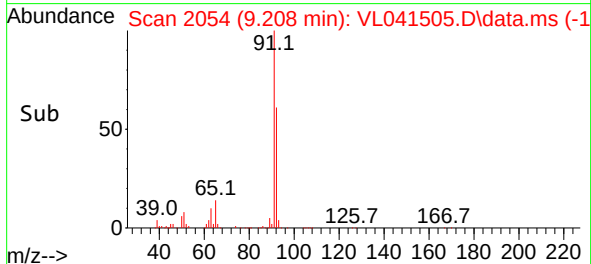
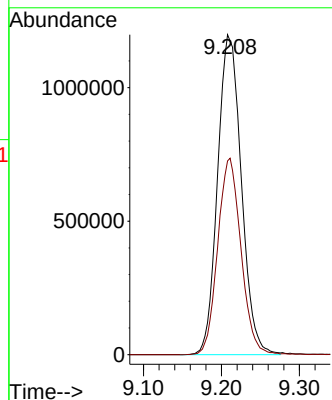
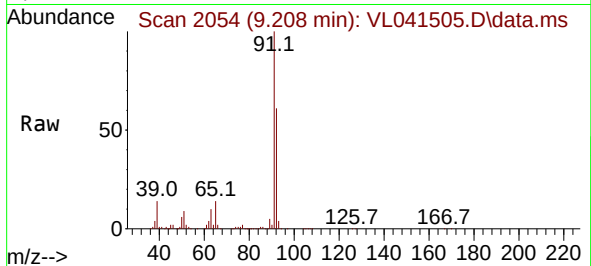
#53  
Toluene  
Concen: 11.075 ppbv  
RT: 9.208 min Scan# 2056  
Delta R.T. -0.010 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01

Tgt Ion: 91 Resp: 254053  
Ion Ratio Lower Upper  
91 100  
92 60.4 48.7 73.1

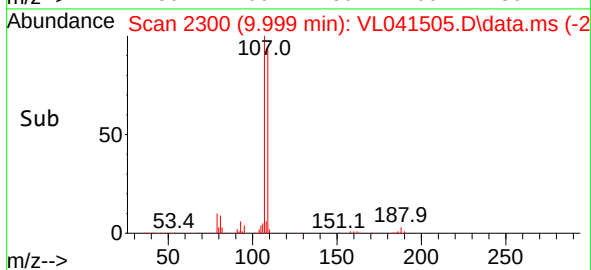
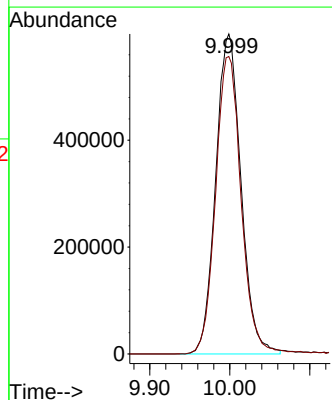
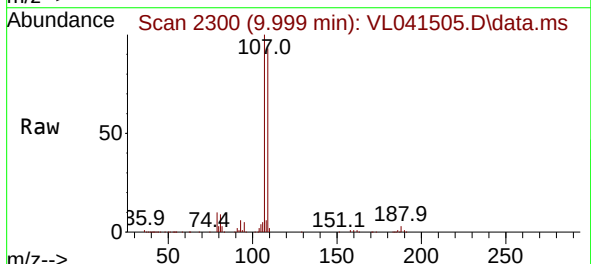
Manual Integrations  
APPROVED

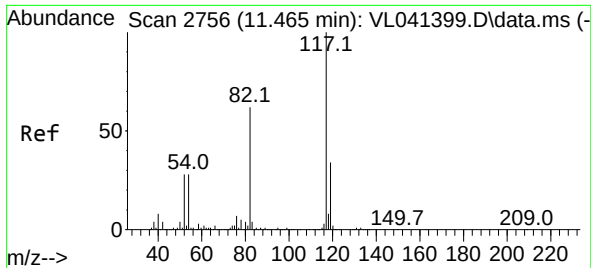
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#54  
1,2-Dibromoethane  
Concen: 11.348 ppbv  
RT: 9.999 min Scan# 2300  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

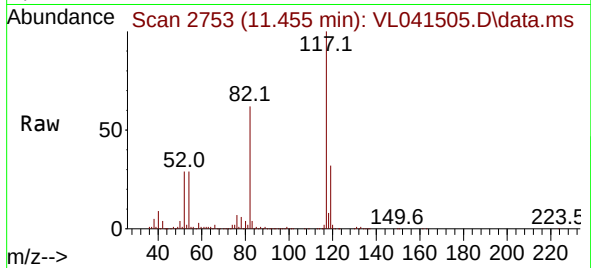
Tgt Ion:107 Resp: 1312754  
Ion Ratio Lower Upper  
107 100  
109 92.9 72.7 109.1





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 11.455 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

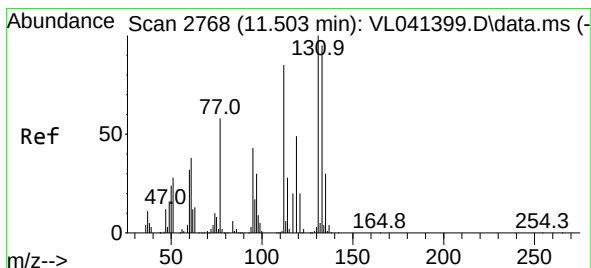
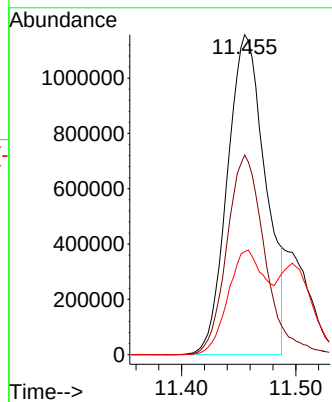
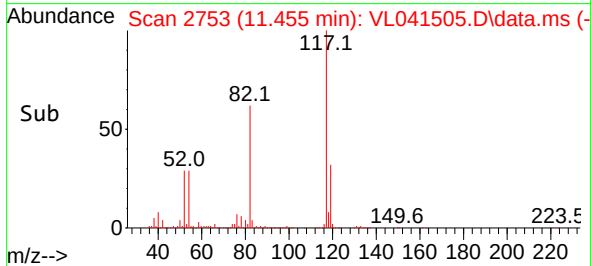
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



Tgt Ion:117 Resp: 2683034  
Ion Ratio Lower Upper  
117 100  
82 62.6 51.0 76.6  
119 33.2 45.2 67.8

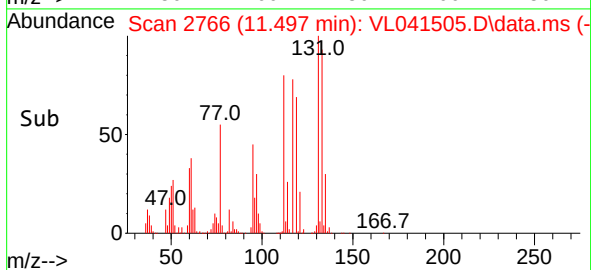
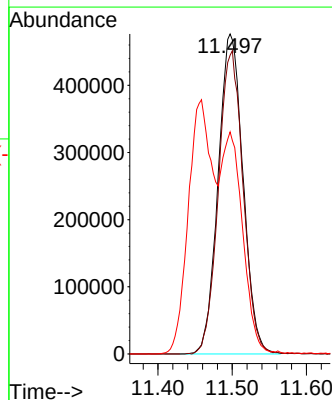
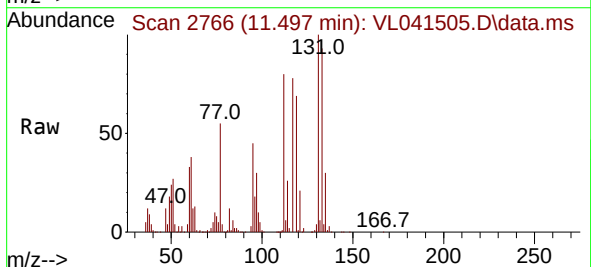
Manual Integrations  
APPROVED

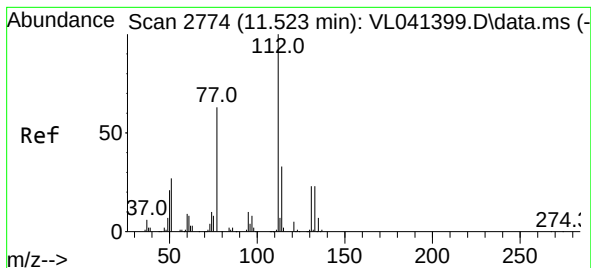
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.653 ppbv  
RT: 11.497 min Scan# 2766  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

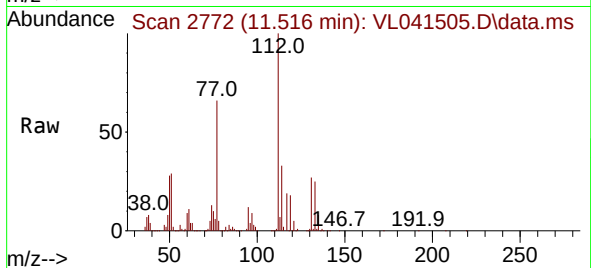
Tgt Ion:131 Resp: 1108511  
Ion Ratio Lower Upper  
131 100  
133 94.4 77.0 115.4  
119 60.0 121.5 182.3





#57  
Chlorobenzene  
Concen: 10.489 ppbv  
RT: 11.516 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

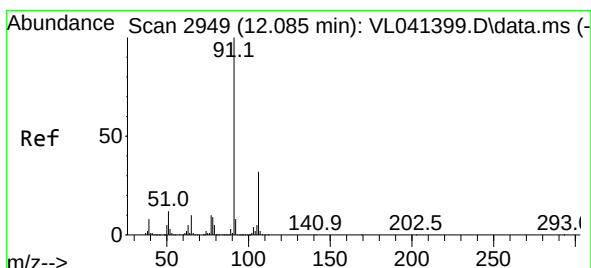
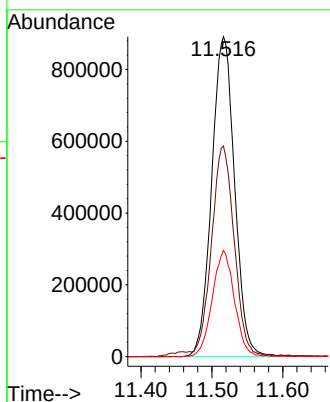
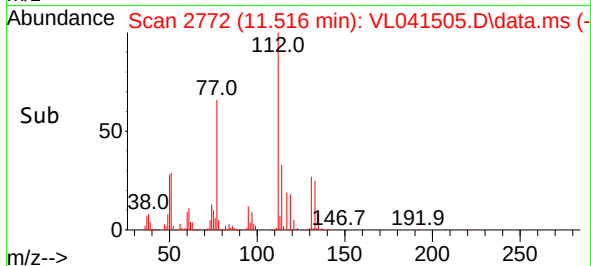
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



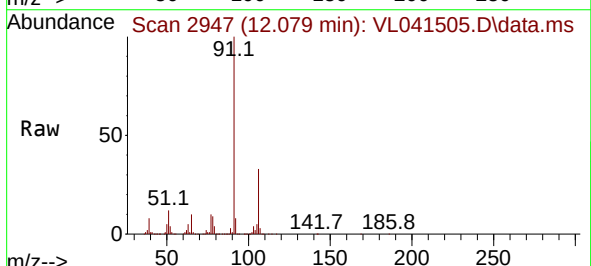
Tgt Ion:112 Resp: 200362  
Ion Ratio Lower Upper  
112 100  
77 65.4 51.1 76.7  
114 33.2 29.5 36.1

Manual Integrations  
APPROVED

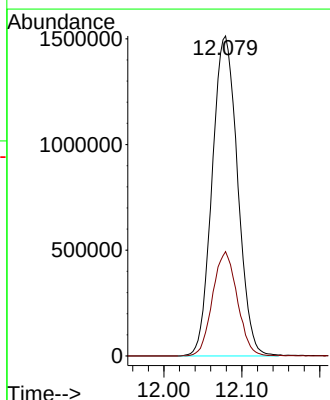
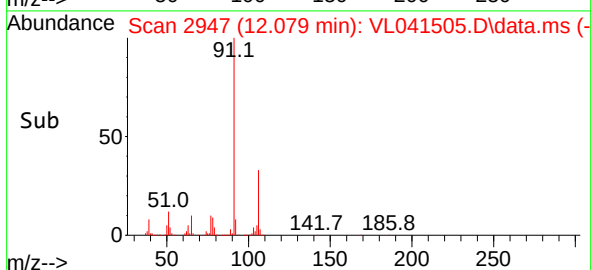
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



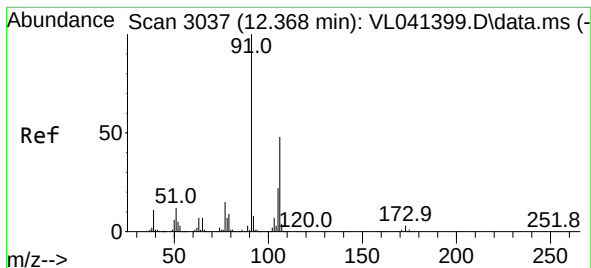
#58  
Ethyl Benzene  
Concen: 11.099 ppbv  
RT: 12.079 min Scan# 2947  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39



Tgt Ion: 91 Resp: 3432326  
Ion Ratio Lower Upper  
91 100  
106 32.6 25.8 38.8







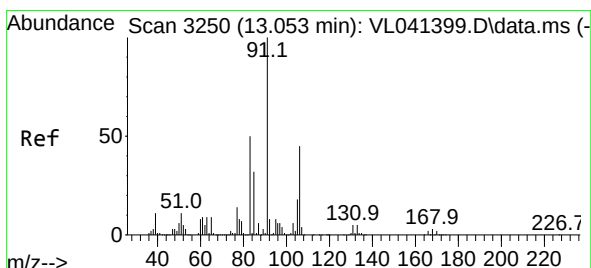
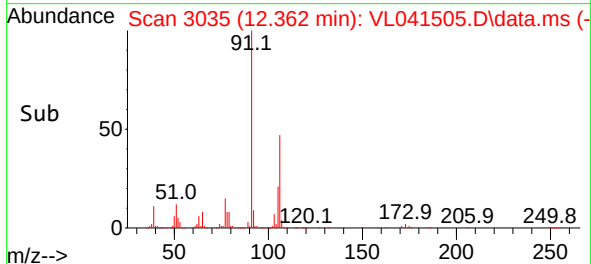
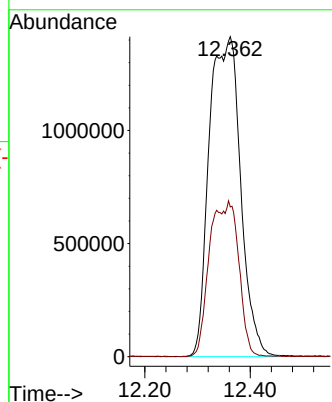
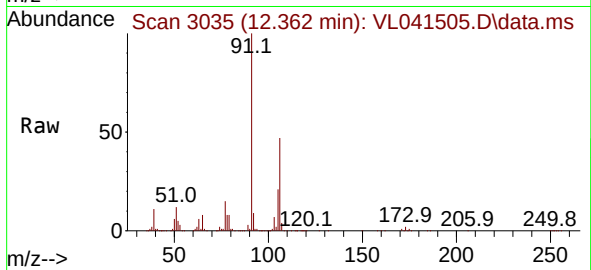
#59  
m/p-Xylene  
Concen: 21.852 ppbv m  
RT: 12.362 min Scan# 3035  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01

Tgt Ion: 91 Resp: 583365  
Ion Ratio Lower Upper  
91 100  
106 45.4 36.3 54.5

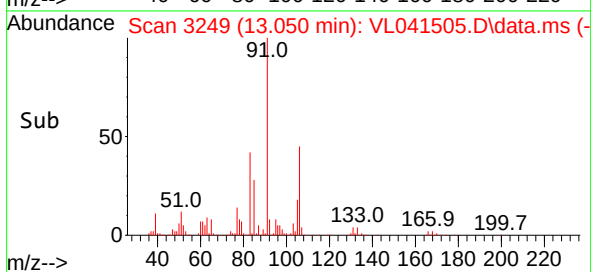
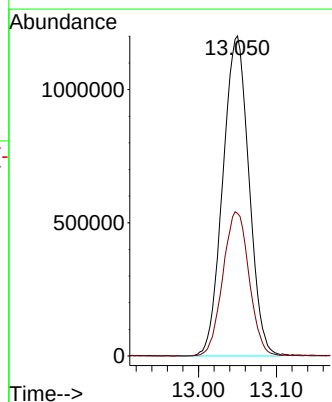
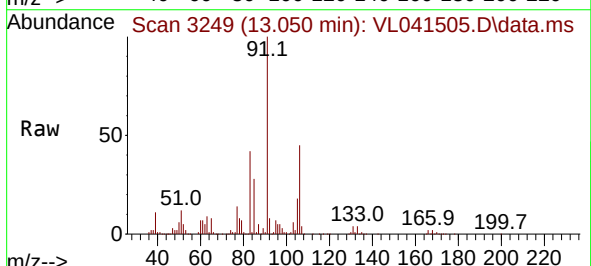
Manual Integrations  
APPROVED

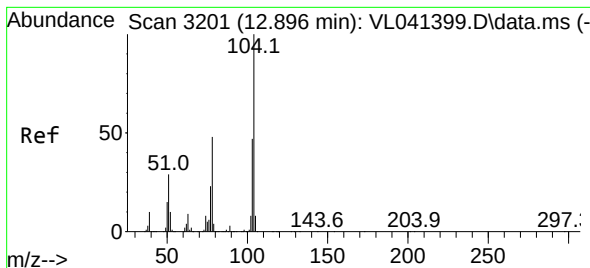
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#60  
o-Xylene  
Concen: 11.071 ppbv  
RT: 13.050 min Scan# 3249  
Delta R.T. -0.003 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Tgt Ion: 91 Resp: 2795768  
Ion Ratio Lower Upper  
91 100  
106 45.4 23.1 69.3





#61

Styrene

Concen: 12.183 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0808ABS01

Tgt Ion:104 Resp: 1388000

Ion Ratio Lower Upper

104 100

78 50.0 40.8 61.2

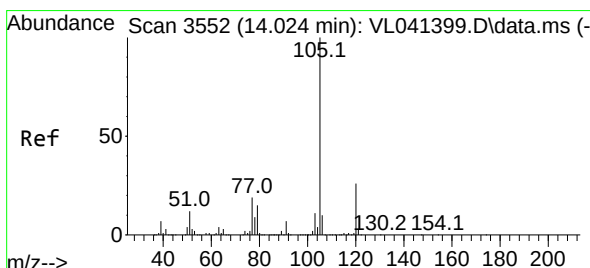
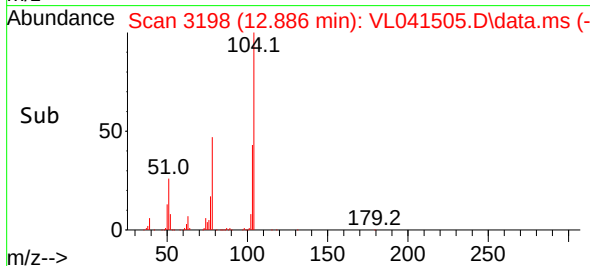
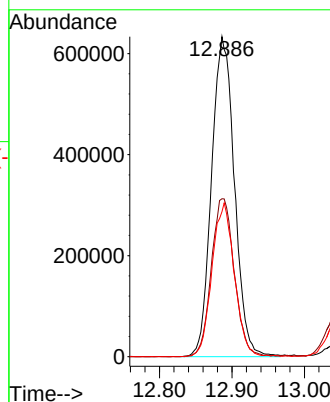
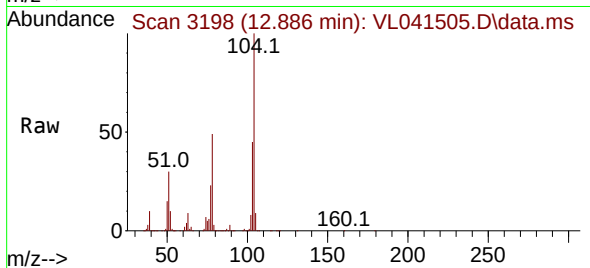
103 47.1 38.2 57.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#62

Isopropylbenzene

Concen: 10.616 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. -0.003 min

Lab File: VL041505.D

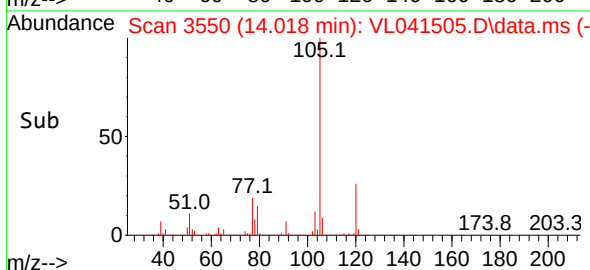
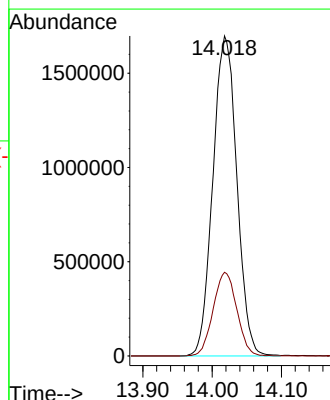
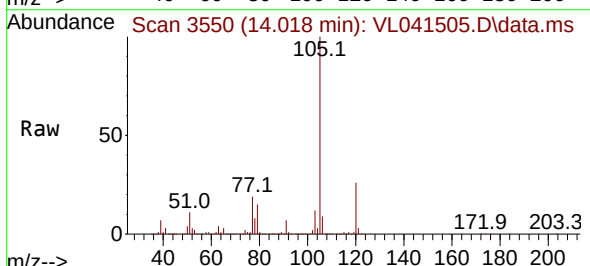
Acq: 8 Aug 2024 9:39

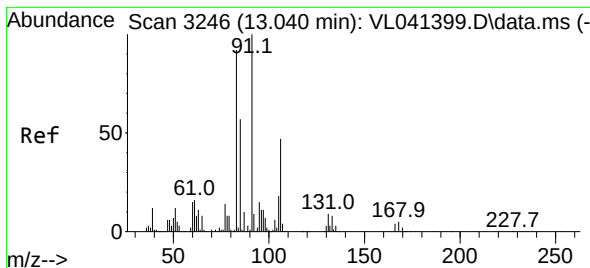
Tgt Ion:105 Resp: 4075363

Ion Ratio Lower Upper

105 100

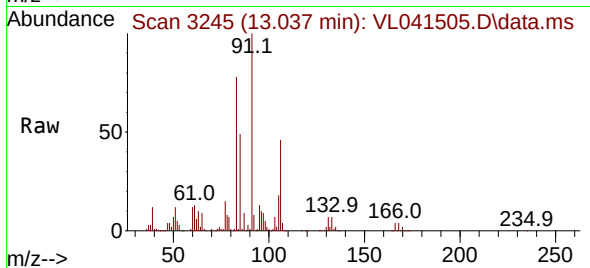
120 25.8 21.0 31.4





#63  
1,1,2,2-Tetrachloroethane  
Concen: 10.798 ppbv  
RT: 13.037 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

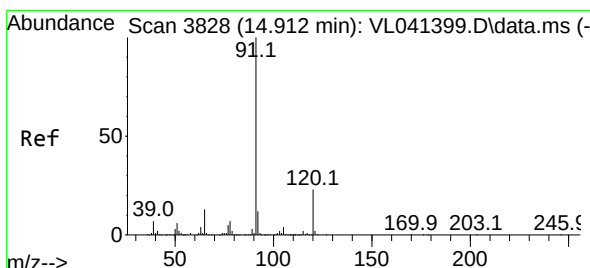
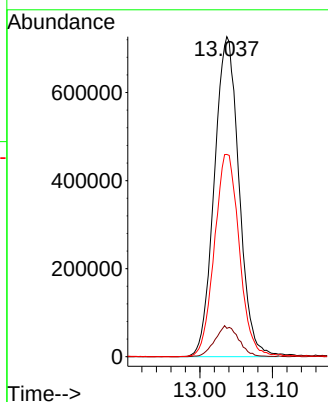
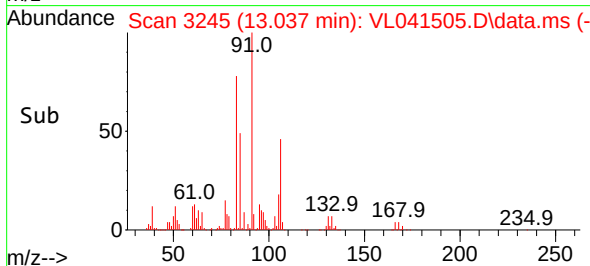
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



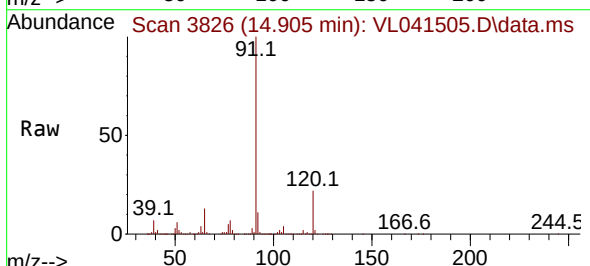
Tgt Ion: 83 Resp: 1721898  
Ion Ratio Lower Upper  
83 100  
131 9.4 4.8 14.4  
85 64.1 32.6 98.0

Manual Integrations  
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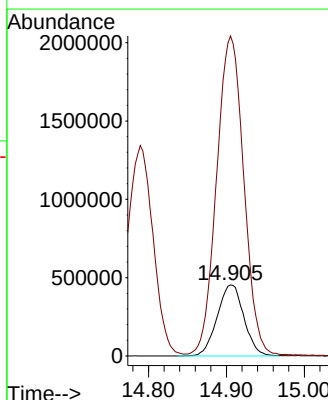
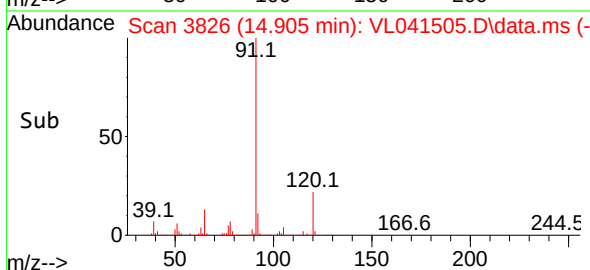
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024

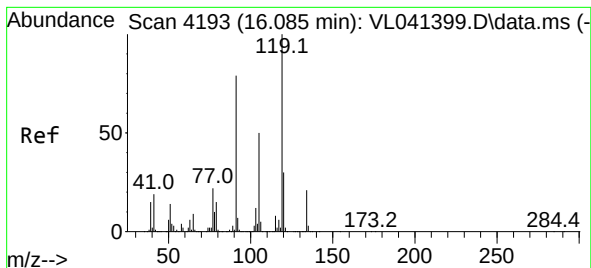


#64  
n-propylbenzene  
Concen: 10.771 ppbv  
RT: 14.905 min Scan# 3826  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39



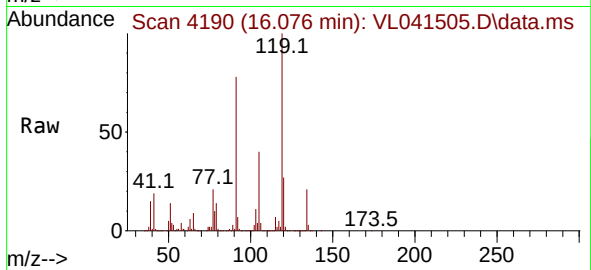
Tgt Ion:120 Resp: 1081113  
Ion Ratio Lower Upper  
120 100  
91 460.8 361.4 542.0





#65  
tert-Butylbenzene  
Concen: 10.480 ppbv  
RT: 16.076 min Scan# 4193  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

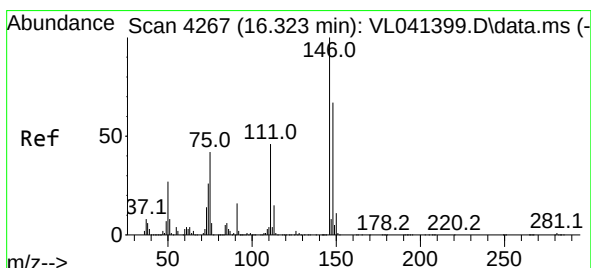
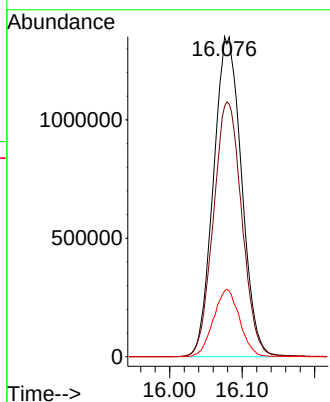
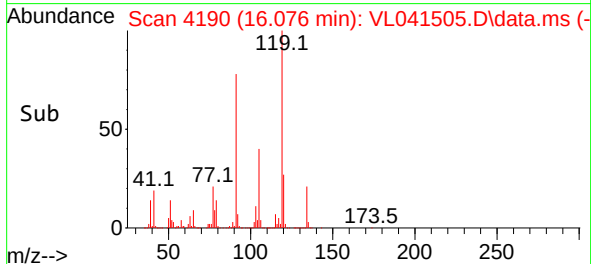
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



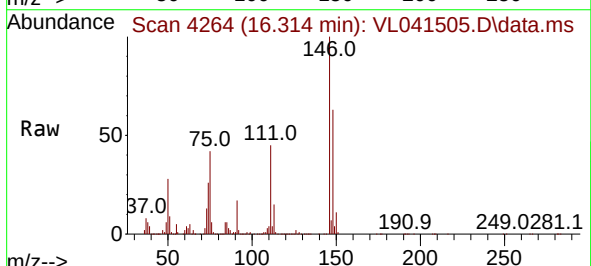
Tgt Ion: 119 Resp: 3634119  
Ion Ratio Lower Upper  
119 100  
91 80.8 64.2 96.2  
134 19.7 15.7 23.5

Manual Integrations  
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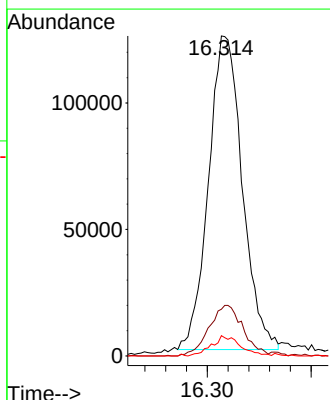
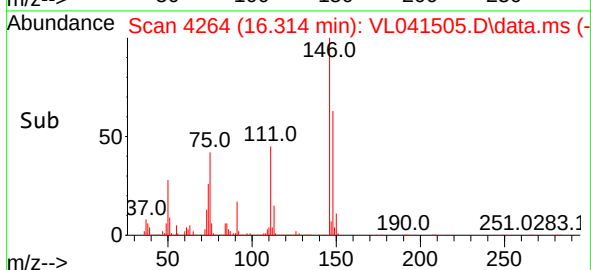
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024

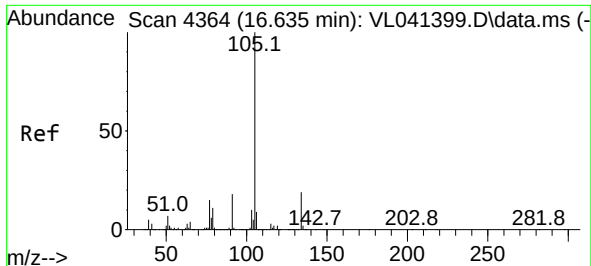


#66  
Benzyl Chloride  
Concen: 12.586 ppbv  
RT: 16.314 min Scan# 4264  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39



Tgt Ion: 91 Resp: 279937  
Ion Ratio Lower Upper  
91 100  
126 16.9 13.8 20.8  
128 5.7 4.4 6.6





#67

sec-Butylbenzene

Concen: 10.700 ppbv

RT: 16.622 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0808ABS01

Tgt Ion:105 Resp: 5112169

Ion Ratio Lower Upper

105 100

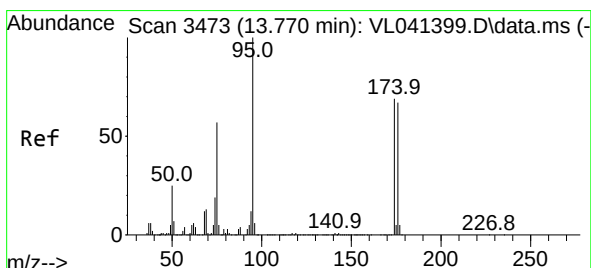
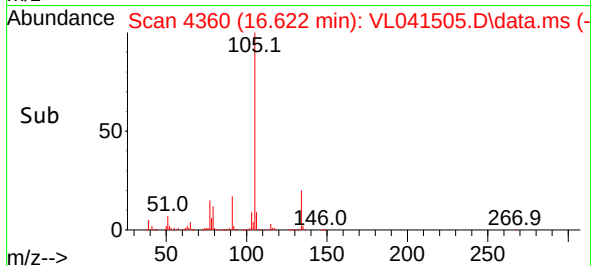
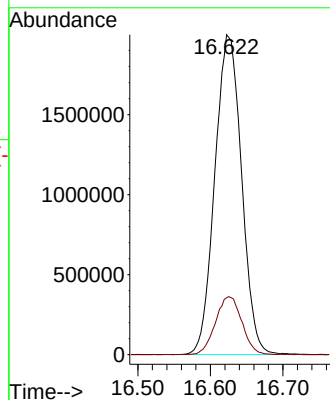
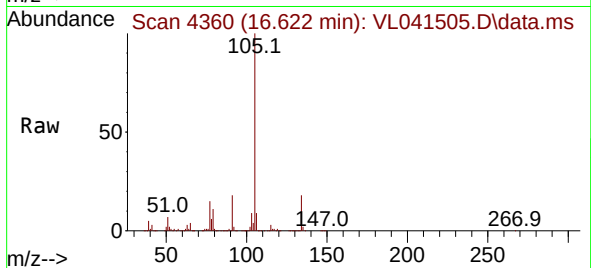
134 18.1 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.759 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

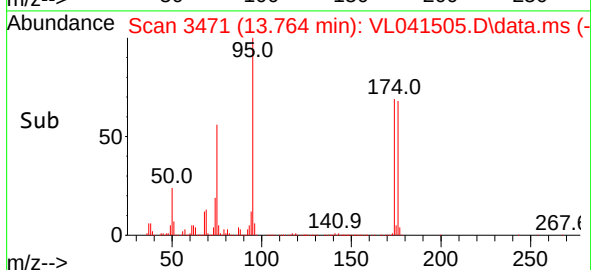
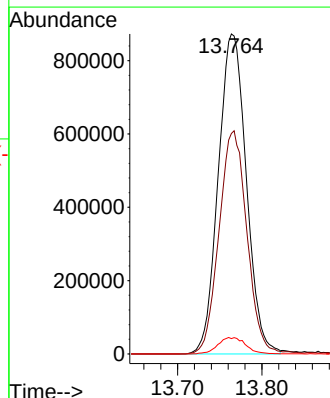
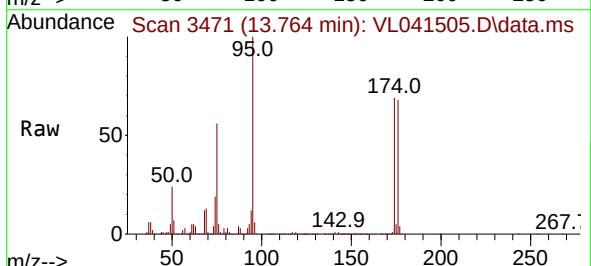
Tgt Ion: 95 Resp: 2015008

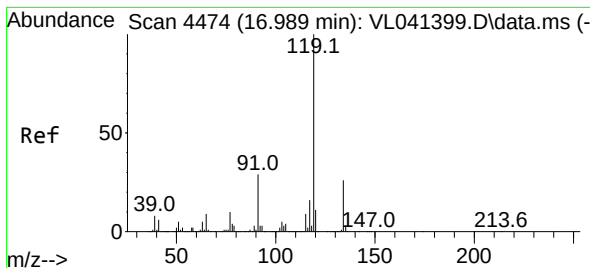
Ion Ratio Lower Upper

95 100

174 69.5 56.3 84.5

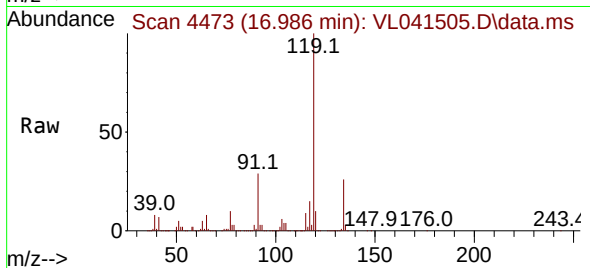
175 5.1 4.0 6.0





#69  
p-Isopropyltoluene  
Concen: 10.808 ppbv  
RT: 16.986 min Scan# 4474  
Delta R.T. -0.003 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

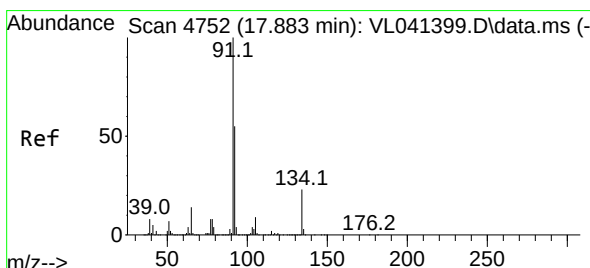
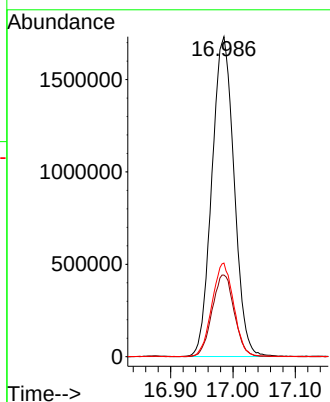
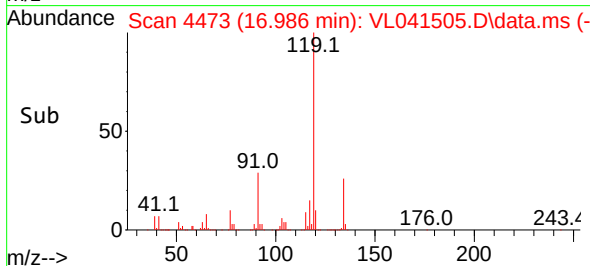
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



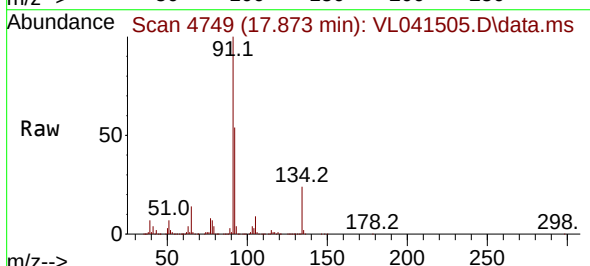
Tgt Ion:119 Resp: 428486  
Ion Ratio Lower Upper  
119 100  
134 25.6 20.5 30.7  
91 28.6 23.2 34.8

Manual Integrations  
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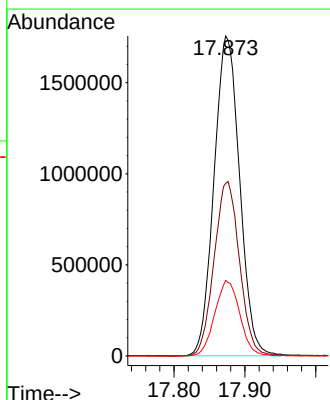
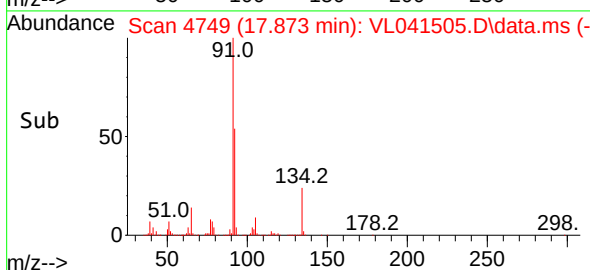
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024

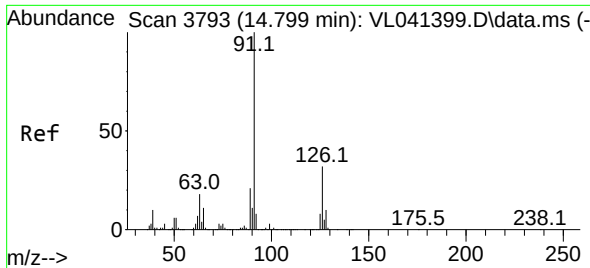


#70  
n-Butylbenzene  
Concen: 10.844 ppbv  
RT: 17.873 min Scan# 4749  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39



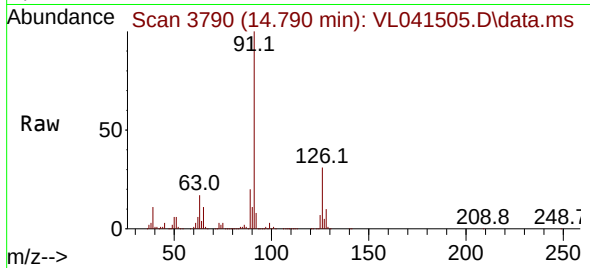
Tgt Ion: 91 Resp: 4407161  
Ion Ratio Lower Upper  
91 100  
92 54.2 43.2 64.8  
134 23.1 18.5 27.7





#71  
2-Chlorotoluene  
Concen: 10.903 ppbv  
RT: 14.790 min Scan# 3111  
Delta R.T. -0.003 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

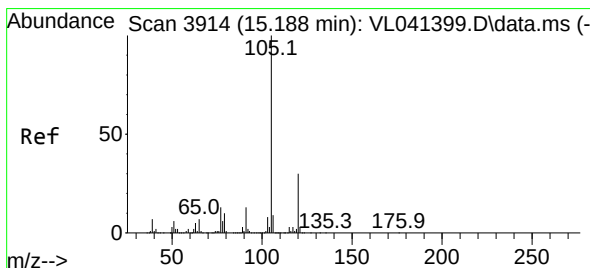
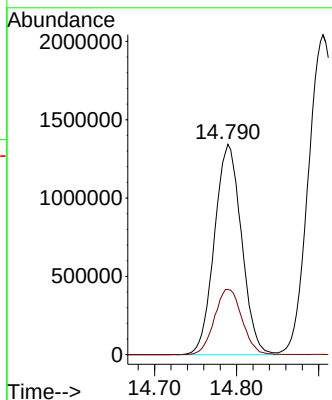
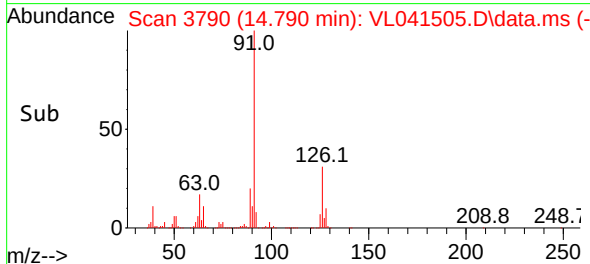
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



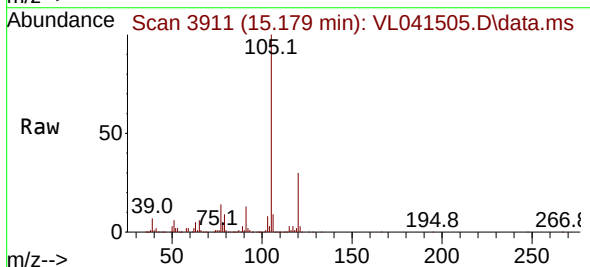
Tgt Ion: 91 Resp: 308684  
Ion Ratio Lower Upper  
91 100  
126 31.7 12.7 50.9

Manual Integrations  
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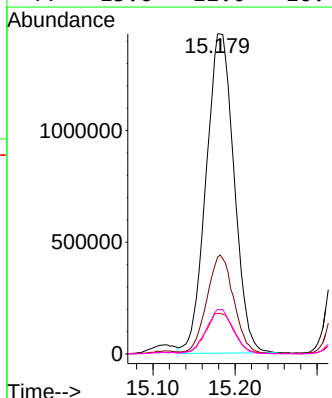
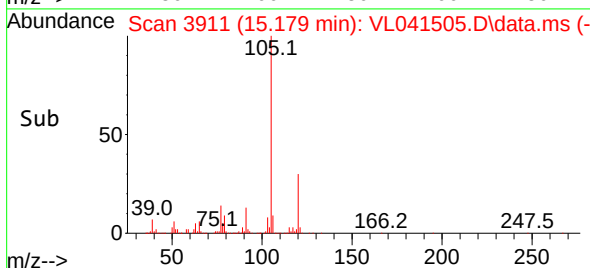
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024

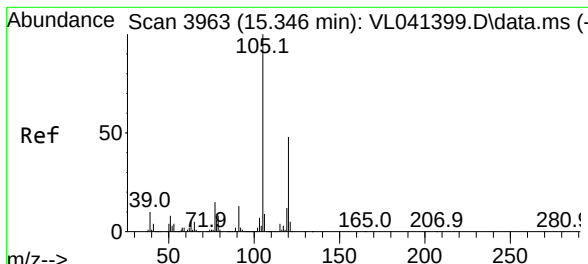


#72  
4-Ethyltoluene  
Concen: 11.401 ppbv  
RT: 15.179 min Scan# 3911  
Delta R.T. -0.010 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39



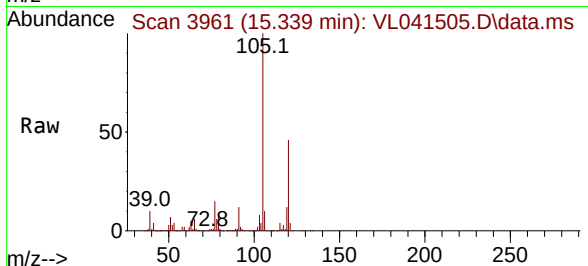
Tgt Ion:105 Resp: 3389594  
Ion Ratio Lower Upper  
105 100  
120 29.9 24.2 36.2  
91 13.6 10.4 15.6  
77 13.6 11.0 16.4





#73  
 1,3,5-Trimethylbenzene  
 Concen: 11.197 ppbv  
 RT: 15.339 min Scan# 3961  
 Delta R.T. -0.006 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39

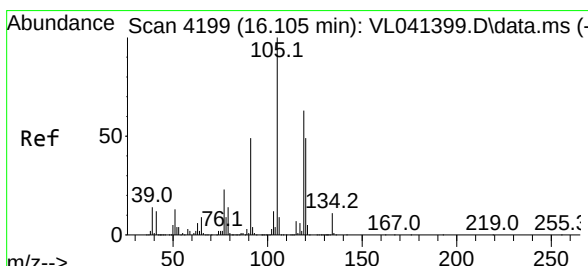
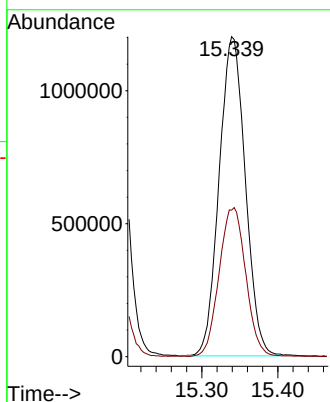
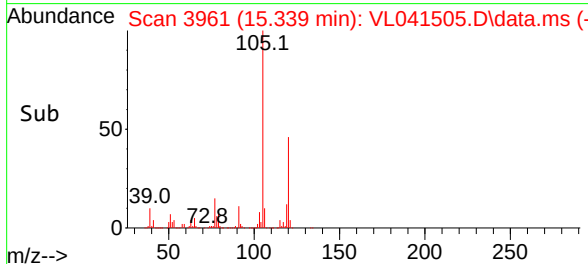
Instrument : MSVOA\_1  
 ClientSampleId : VL0808ABS01



Tgt Ion:105 Resp: 2867978  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 38.6 57.8

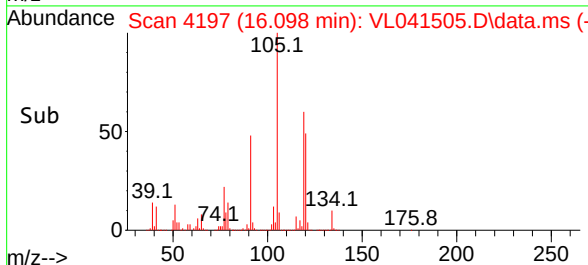
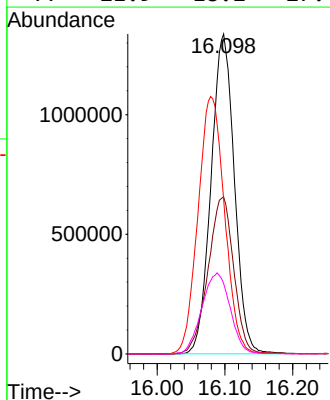
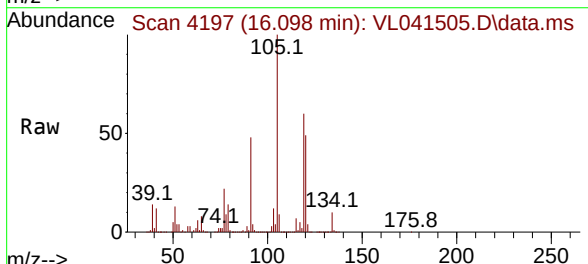
Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024  
 Supervised By :Mahesh Dadoda 08/09/2024

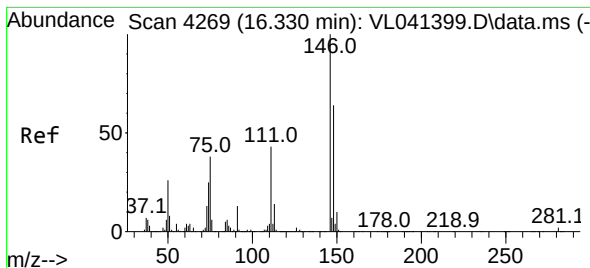


#74  
 1,2,4-Trimethylbenzene  
 Concen: 10.712 ppbv  
 RT: 16.098 min Scan# 4197  
 Delta R.T. -0.003 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39

Tgt Ion:105 Resp: 3189834  
 Ion Ratio Lower Upper  
 105 100  
 120 49.0 39.5 59.3  
 91 48.2 39.8 59.8  
 77 21.9 18.2 27.4

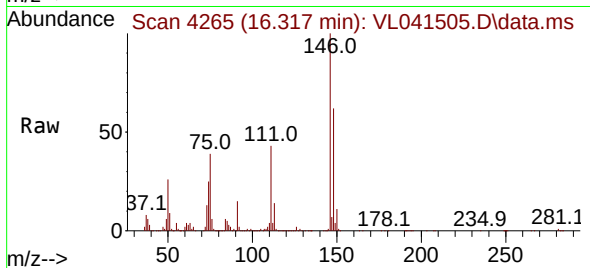






#75  
1,3-Dichlorobenzene  
Concen: 10.617 ppbv  
RT: 16.317 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

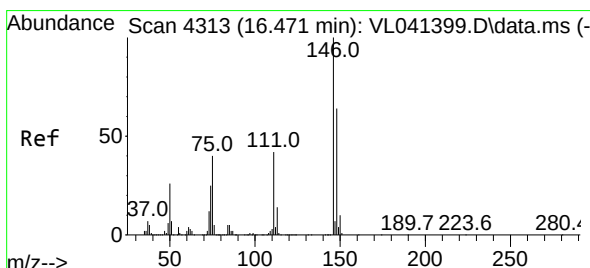
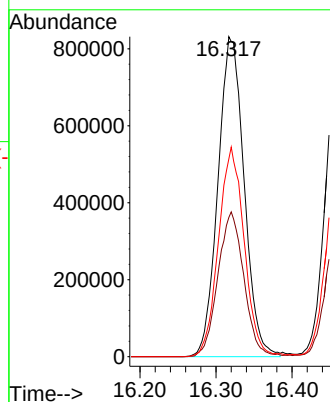
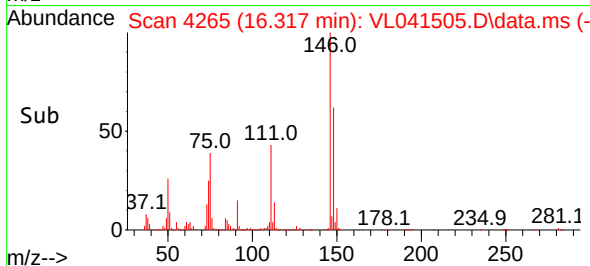
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



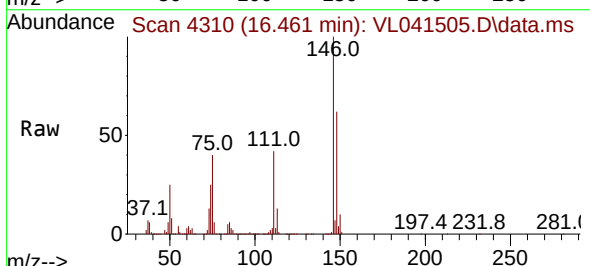
Tgt Ion:146 Resp: 198738  
Ion Ratio Lower Upper  
146 100  
111 44.9 22.6 67.8  
148 64.5 32.3 96.8

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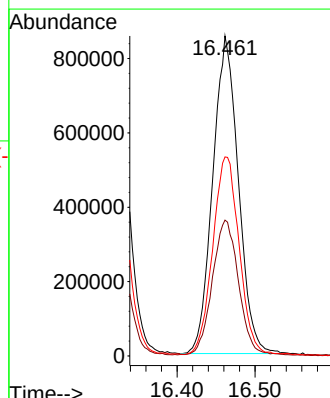
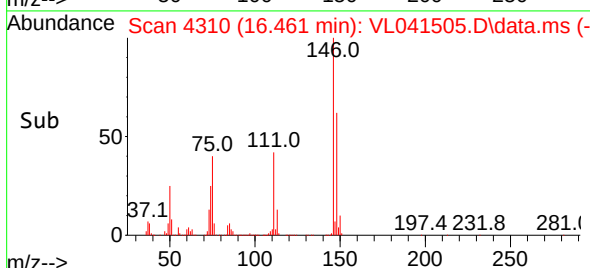
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024

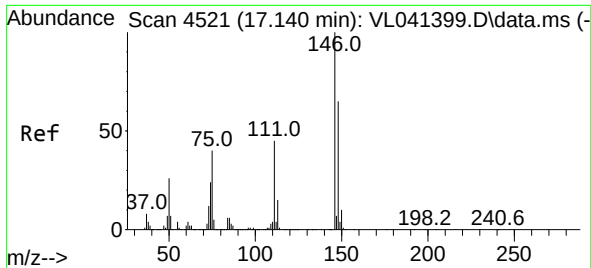


#76  
1,4-Dichlorobenzene  
Concen: 10.741 ppbv  
RT: 16.461 min Scan# 4310  
Delta R.T. -0.003 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39



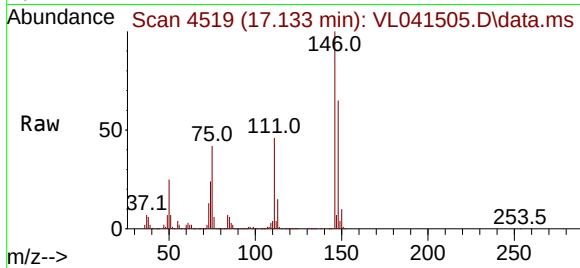
Tgt Ion:146 Resp: 1946715  
Ion Ratio Lower Upper  
146 100  
111 44.5 22.4 67.0  
148 66.1 33.1 99.5





#77  
1,2-Dichlorobenzene  
Concen: 10.411 ppbv  
RT: 17.133 min Scan# 4519  
Delta R.T. -0.003 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

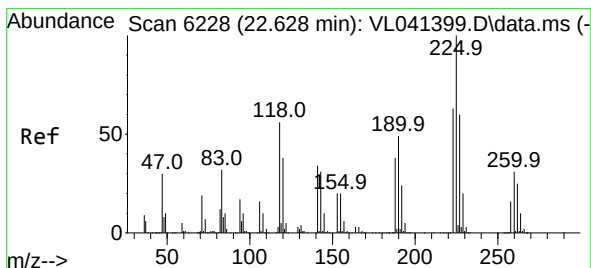
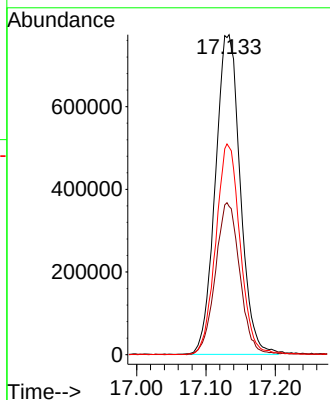
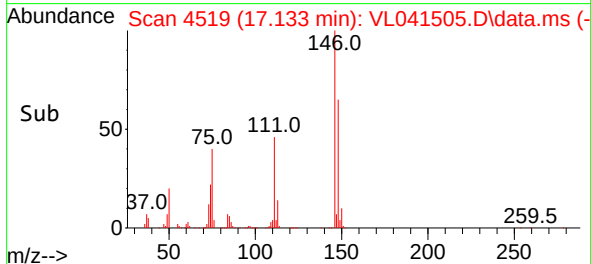
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0808ABS01



Tgt Ion:146 Resp: 1931870  
Ion Ratio Lower Upper  
146 100  
111 47.0 23.4 70.0  
148 64.7 32.2 96.6

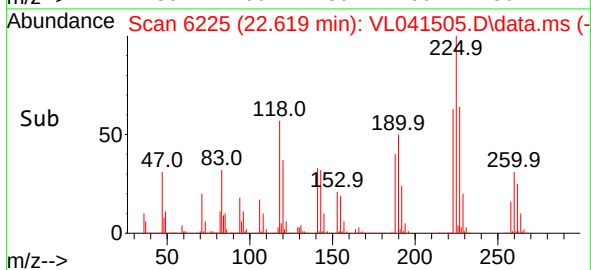
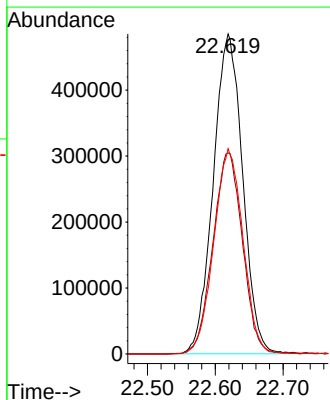
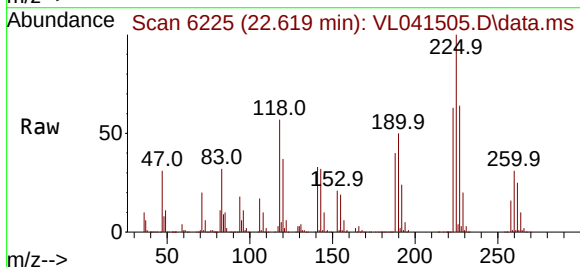
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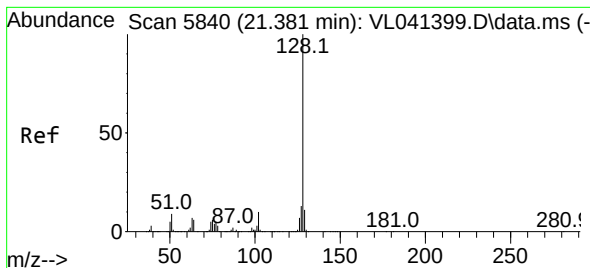
Reviewed By :Semsettin Yesilyurt 08/09/2024  
Supervised By :Mahesh Dadoda 08/09/2024



#78  
Hexachloro-1,3-Butadiene  
Concen: 9.210 ppbv  
RT: 22.619 min Scan# 6225  
Delta R.T. -0.003 min  
Lab File: VL041505.D  
Acq: 8 Aug 2024 9:39

Tgt Ion:225 Resp: 1457393  
Ion Ratio Lower Upper  
225 100  
223 63.6 50.6 76.0  
227 64.1 50.8 76.2





#79

Naphthalene

Concen: 12.229 ppbv

RT: 21.368 min Scan# 5836

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0808ABS01

Tgt Ion:128 Resp: 321416

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

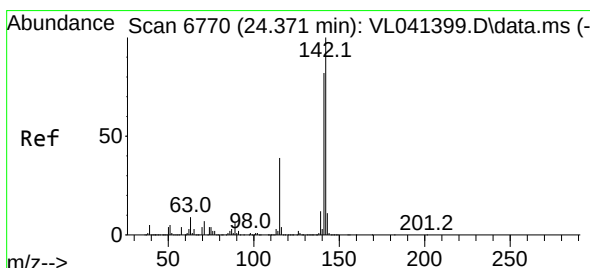
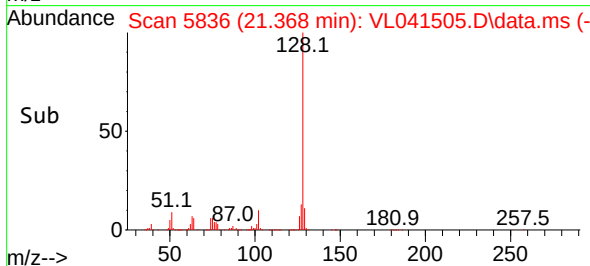
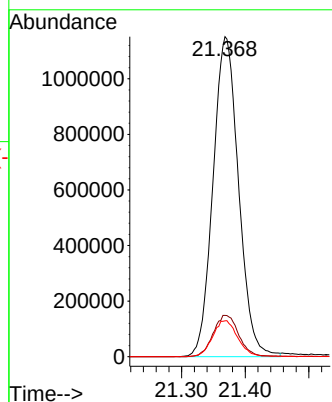
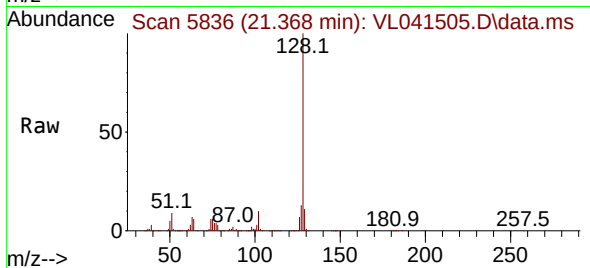
129 11.2 9.0 13.4

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#80

Naphthalene,2-methyl-

Concen: 11.302 ppbv

RT: 24.361 min Scan# 6767

Delta R.T. 0.000 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

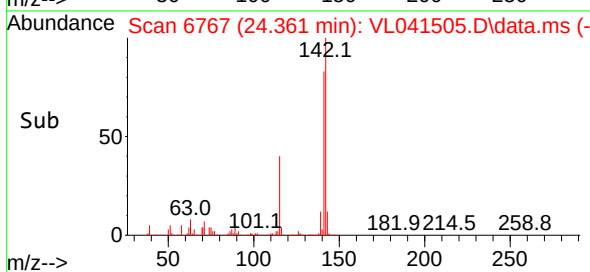
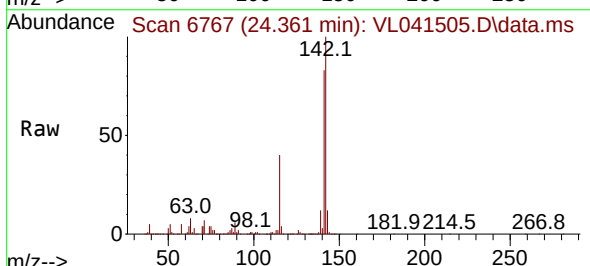
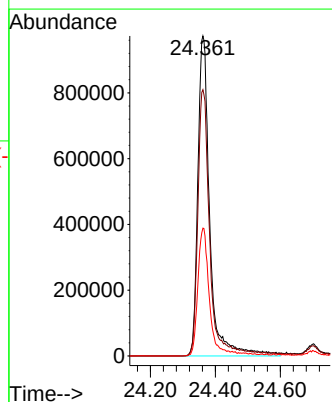
Tgt Ion:142 Resp: 2490096

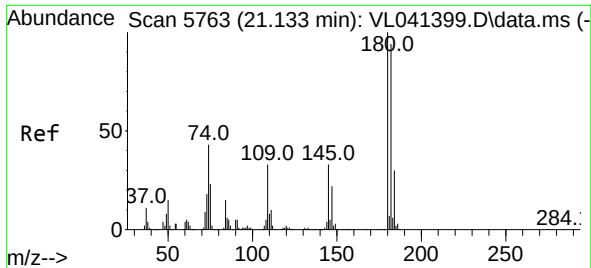
Ion Ratio Lower Upper

142 100

141 83.5 67.0 100.4

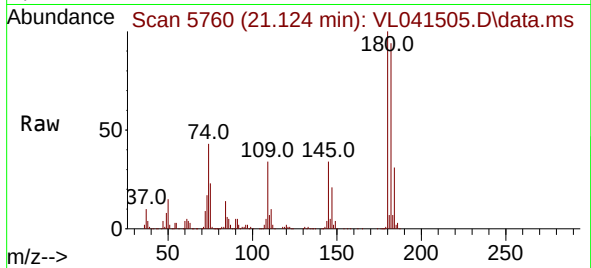
115 39.7 32.2 48.2





#81  
 1,2,4-Trichlorobenzene  
 Concen: 10.797 ppbv  
 RT: 21.124 min Scan# 51  
 Delta R.T. -0.006 min  
 Lab File: VL041505.D  
 Acq: 8 Aug 2024 9:39

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0808ABS01



Tgt Ion:180 Resp: 1688779  
 Ion Ratio Lower Upper  
 180 100  
 182 97.0 76.7 115.1  
 184 30.9 24.5 36.7

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024  
 Supervised By :Mahesh Dadoda 08/09/2024

