

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL022222\  
 Data File : VL038385.D  
 Acq On : 22 Feb 2022 11:45  
 Operator : SY/AP  
 Sample : VL02222ABS02  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL02222ABS02

Quant Time: Feb 22 19:58:28 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Feb 22 19:58:28 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/23/2022  
 Supervised By : Amit Patel 02/23/2022

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.652  | 49   | 898769   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.153  | 114  | 2257978  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.063 | 117  | 2163168m | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1721997 9.621 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.200%

#### Target Compounds

|                               |       |     |         |        |      | Qvalue |
|-------------------------------|-------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 3.044 | 85  | 1267796 | 8.906  | ppbv | 96     |
| 3) Chlorodifluoromethane      | 2.983 | 51  | 1555412 | 9.801  | ppbv | 99     |
| 4) Chloromethane              | 3.134 | 50  | 534746  | 9.697  | ppbv | 96     |
| 5) Vinyl Chloride             | 3.250 | 62  | 553455  | 9.601  | ppbv | 100    |
| 6) Bromomethane               | 3.465 | 94  | 291516  | 9.587  | ppbv | 96     |
| 7) Chloroethane               | 3.549 | 64  | 185947  | 10.043 | ppbv | 96     |
| 8) Dichlorotetrafluoroethane  | 3.182 | 85  | 1324120 | 10.000 | ppbv | 98     |
| 9) Propene                    | 3.002 | 41  | 530148  | 10.117 | ppbv | 99     |
| 10) Heptane                   | 8.102 | 43  | 1326519 | 10.399 | ppbv | 99     |
| 11) Trichlorofluoromethane    | 3.941 | 101 | 1313572 | 9.638  | ppbv | 96     |
| 12) 1,1,2-Trichlorotrifluo... | 4.472 | 101 | 913912  | 9.146  | ppbv | 97     |
| 13) Ethanol                   | 3.597 | 45  | 50178m  | 9.595  | ppbv |        |
| 14) Bromoethene               | 3.732 | 108 | 406955  | 10.223 | ppbv | 100    |
| 15) Acetone                   | 3.838 | 43  | 654675  | 8.566  | ppbv | 99     |
| 16) 1,3-Butadiene             | 3.320 | 39  | 516017  | 10.107 | ppbv | 95     |
| 17) tert-Butyl alcohol        | 4.275 | 59  | 788540  | 10.341 | ppbv | 100    |
| 18) 1,1-Dichloroethene        | 4.279 | 96  | 399977  | 9.117  | ppbv | 93     |
| 19) Isopropyl Alcohol         | 3.951 | 45  | 446709  | 10.093 | ppbv | 99     |
| 20) Methylene Chloride        | 4.333 | 84  | 331107  | 8.743  | ppbv | 98     |
| 21) Allyl Chloride            | 4.401 | 41  | 622245  | 9.639  | ppbv | 99     |
| 22) trans-1,2-Dichloroethene  | 4.870 | 96  | 430889  | 9.735  | ppbv | 97     |
| 23) Vinyl Acetate             | 5.057 | 43  | 1014190 | 10.013 | ppbv | 99     |
| 24) 1,1-Dichloroethane        | 4.996 | 63  | 851090  | 9.346  | ppbv | 99     |
| 25) Ethyl Acetate             | 5.661 | 43  | 2101478 | 10.234 | ppbv | 100    |
| 26) Hexane                    | 5.671 | 57  | 929463  | 9.995  | ppbv | 99     |
| 27) Carbon Disulfide          | 4.536 | 76  | 1036960 | 10.025 | ppbv | 99     |
| 28) Methyl tert-Butyl Ether   | 5.018 | 73  | 912400  | 9.633  | ppbv | 99     |
| 29) Chloroform                | 5.735 | 83  | 1555971 | 10.252 | ppbv | 99     |
| 30) Cyclohexane               | 7.111 | 84  | 827540  | 10.881 | ppbv | 94     |
| 31) cis-1,2-Dichloroethene    | 5.533 | 61  | 993820  | 11.031 | ppbv | 97     |
| 32) 1,1,1-Trichloroethane     | 6.494 | 97  | 1535686 | 10.061 | ppbv | 99     |
| 34) 2-Butanone                | 5.227 | 43  | 894054  | 12.590 | ppbv | 98     |
| 35) Carbon Tetrachloride      | 6.999 | 117 | 1595424 | 10.048 | ppbv | 99     |
| 36) Benzene                   | 6.873 | 78  | 2028099 | 10.203 | ppbv | 97     |
| 37) 1,2-Dichloroethane        | 6.288 | 62  | 1147437 | 9.989  | ppbv | 99     |
| 38) Trichloroethene           | 7.815 | 130 | 745973  | 10.303 | ppbv | 96     |
| 39) 1,2-Dichloropropane       | 7.594 | 63  | 787925  | 9.952  | ppbv | 97     |
| 40) 1,4-Dioxane               | 7.812 | 88  | 200655  | 10.685 | ppbv | 81     |
| 41) Tetrahydrofuran           | 6.034 | 42  | 513113  | 10.694 | ppbv | 97     |
| 42) Bromodichloromethane      | 7.770 | 83  | 1714079 | 10.334 | ppbv | 99     |
| 43) Methyl Methacrylate       | 7.992 | 69  | 764181  | 11.059 | ppbv | 98     |
| 44) 2,2,4-Trimethylpentane    | 7.851 | 57  | 3361948 | 9.840  | ppbv | 100    |
| 45) t-1,3-Dichloropropene     | 9.256 | 75  | 692325  | 12.536 | ppbv | 99     |

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 Acq On : 22 Feb 2022 11:45  
 Operator : SY/AP  
 Sample : VL02222ABS02  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL02222ABS02

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/23/2022  
 Supervised By : Amit Patel 02/23/2022

Quant Time: Feb 22 19:58:28 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Feb 22 2022

QLast Update : Tue Feb 22 19:45:51 2022

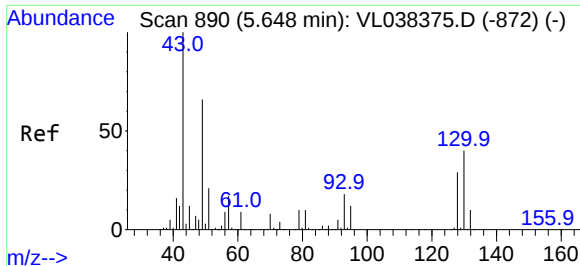
Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.680  | 75   | 843222   | 11.650 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 9.455  | 97   | 806072   | 10.233 | ppbv   | 98       |
| 48) Dibromochloromethane      | 10.282 | 129  | 1386159  | 10.762 | ppbv   | 98       |
| 49) Bromoform                 | 13.018 | 173  | 1073828  | 11.295 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.722  | 43   | 1368970  | 10.903 | ppbv   | 98       |
| 51) 2-Hexanone                | 10.114 | 43   | 622387   | 11.072 | ppbv # | 96       |
| 52) Tetrachloroethene         | 11.198 | 164  | 660439   | 10.008 | ppbv   | 98       |
| 53) Toluene                   | 9.780  | 91   | 2295303  | 10.635 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.587 | 107  | 1193191  | 10.761 | ppbv   | 93       |
| 56) 1,1,1,2-Tetrachloroethane | 12.101 | 131  | 881104   | 9.772  | ppbv   | 96       |
| 57) Chlorobenzene             | 12.124 | 112  | 1583340  | 9.487  | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.687 | 91   | 3013814  | 10.189 | ppbv   | 99       |
| 59) m/p-Xylene                | 12.973 | 91   | 5103323m | 20.089 | ppbv   |          |
| 60) o-Xylene                  | 13.667 | 91   | 2369777  | 9.868  | ppbv   | 98       |
| 61) Styrene                   | 13.507 | 104  | 1215265  | 10.972 | ppbv   | 98       |
| 62) Isopropylbenzene          | 14.645 | 105  | 3213956  | 9.971  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.654 | 83   | 1753703  | 8.988  | ppbv   | 99       |
| 64) n-propylbenzene           | 15.539 | 120  | 830942   | 10.412 | ppbv   | 96       |
| 65) tert-Butylbenzene         | 16.719 | 119  | 2834145  | 10.152 | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.963 | 91   | 193947   | 12.857 | ppbv   | 96       |
| 67) sec-Butylbenzene          | 17.272 | 105  | 3985846  | 10.077 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.629 | 119  | 3270476  | 10.526 | ppbv   | 100      |
| 70) n-Butylbenzene            | 18.526 | 91   | 3440957  | 10.702 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.429 | 91   | 2515500  | 10.150 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.815 | 105  | 2785479  | 10.527 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.973 | 105  | 2516109  | 10.471 | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 16.738 | 105  | 2633581  | 10.381 | ppbv   | 99       |
| 75) 1,3-Dichlorobenzene       | 16.969 | 146  | 1488953  | 10.479 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.114 | 146  | 1425616  | 10.174 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.796 | 146  | 1420228  | 10.384 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.352 | 225  | 965146   | 9.252  | ppbv   | 99       |
| 79) Naphthalene               | 22.165 | 128  | 1855637  | 13.500 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.950 | 142  | 516061   | 19.211 | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 21.895 | 180  | 1022070  | 12.298 | ppbv   | 99       |

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

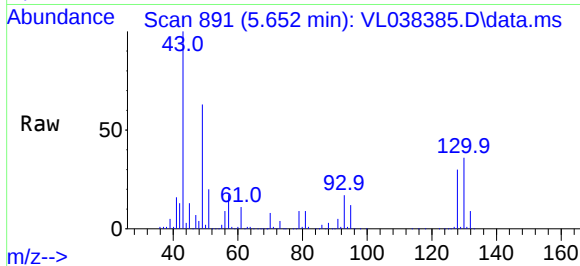
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

[illegible]



#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.652 min Scan# 891  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

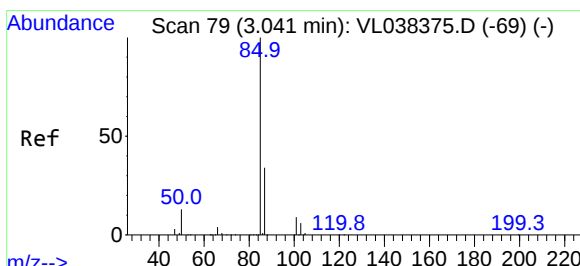
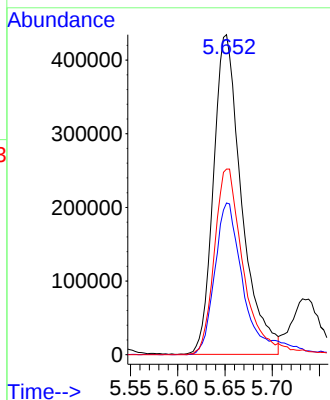
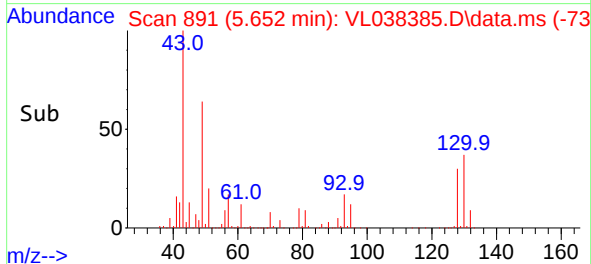
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



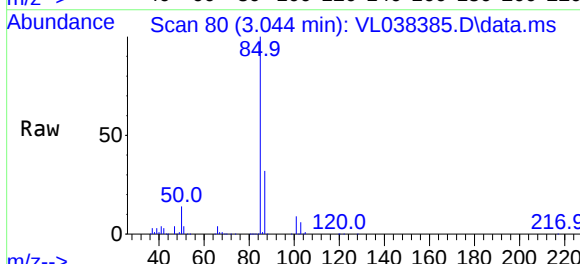
Tgt Ion: 49 Resp: 898769  
Ion Ratio Lower Upper  
49 100  
128 50.4 24.3 72.9  
130 61.2 30.1 90.5

Manual Integrations  
APPROVED

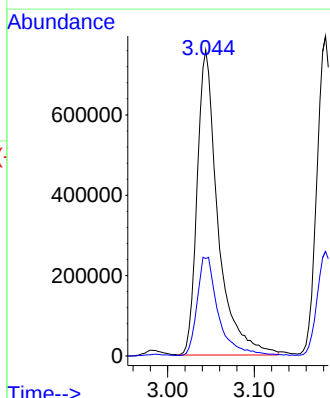
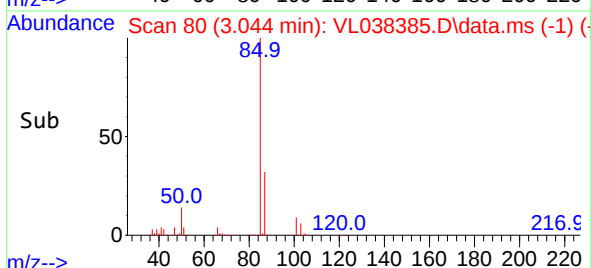
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

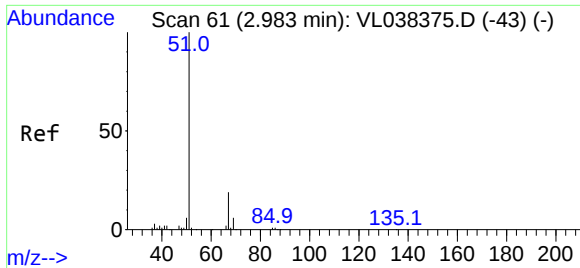


#2  
Dichlorodifluoromethane  
Concen: 8.906 ppbv  
RT: 3.044 min Scan# 80  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



Tgt Ion: 85 Resp: 1267796  
Ion Ratio Lower Upper  
85 100  
87 31.7 27.4 41.0





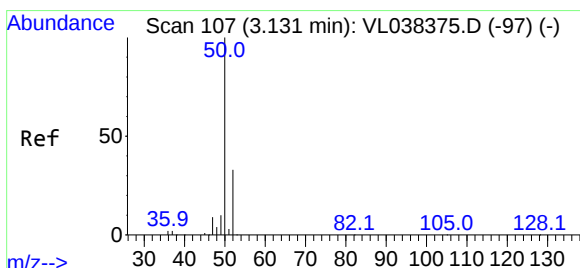
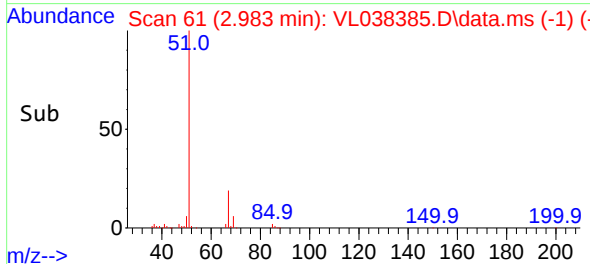
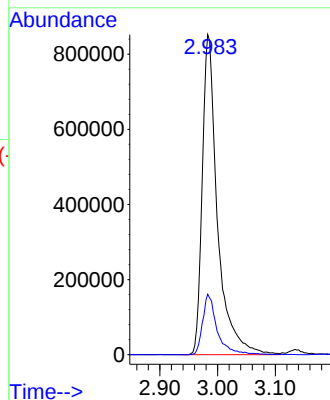
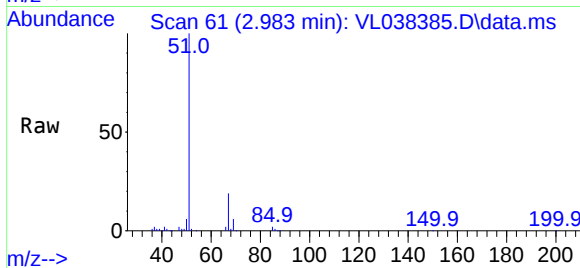
#3  
Chlorodifluoromethane  
Concen: 9.801 ppbv  
RT: 2.983 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02

Tgt Ion: 51 Resp: 155541  
Ion Ratio Lower Upper  
51 100  
67 18.2 14.7 22.1

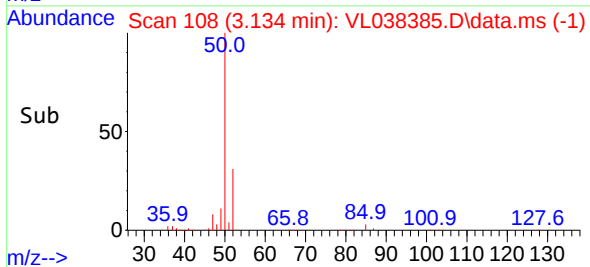
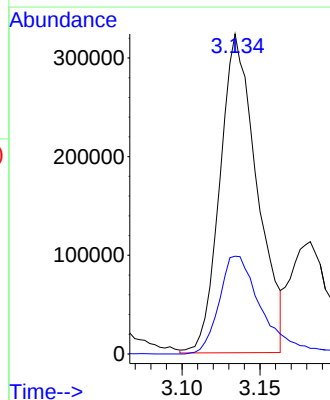
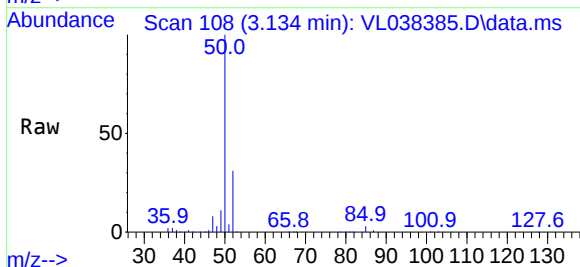
Manual Integrations  
APPROVED

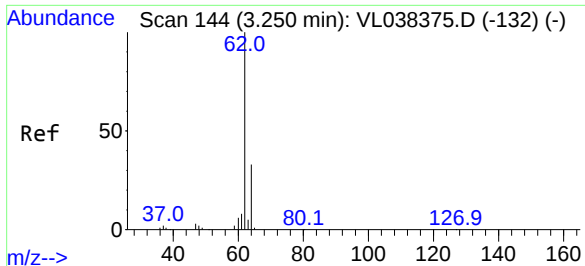
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#4  
Chloromethane  
Concen: 9.697 ppbv  
RT: 3.134 min Scan# 108  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

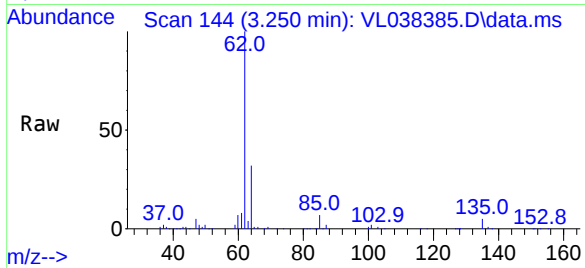
Tgt Ion: 50 Resp: 534746  
Ion Ratio Lower Upper  
50 100  
52 30.9 26.5 39.7





#5  
 Vinyl Chloride  
 Concen: 9.601 ppbv  
 RT: 3.250 min Scan# 144  
 Delta R.T. 0.000 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45

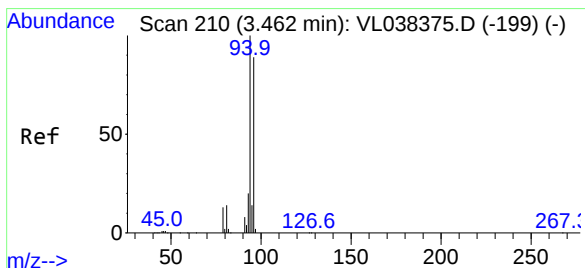
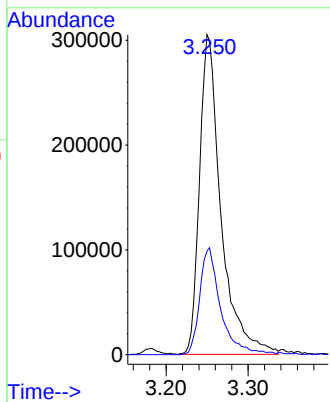
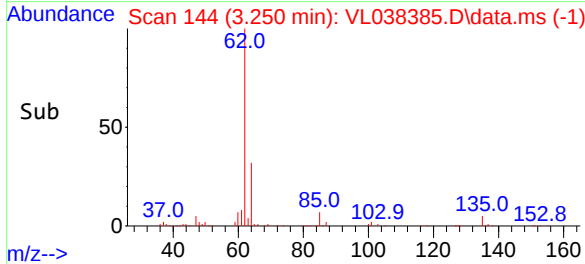
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0222ABS02



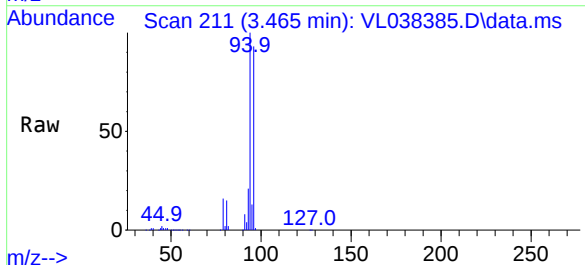
Tgt Ion: 62 Resp: 55345  
 Ion Ratio Lower Upper  
 62 100  
 64 32.4 26.2 39.2

Manual Integrations  
 APPROVED

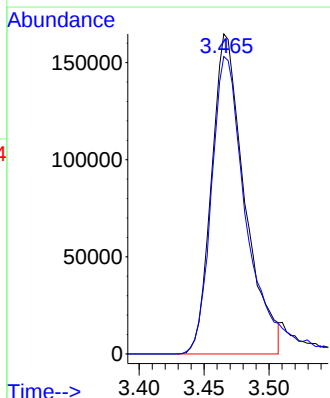
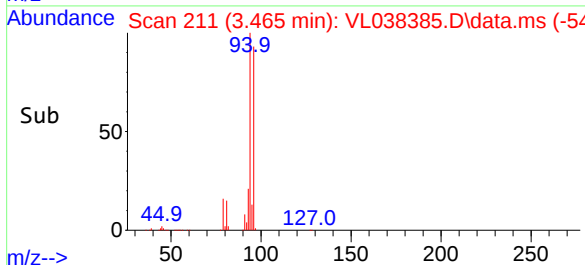
Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022

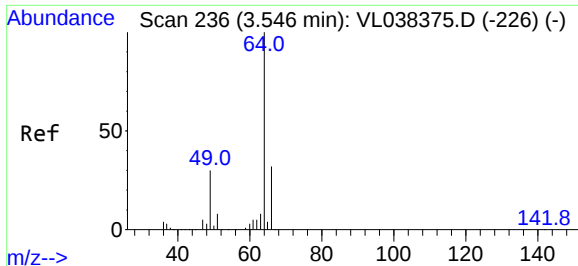


#6  
 Bromomethane  
 Concen: 9.587 ppbv  
 RT: 3.465 min Scan# 211  
 Delta R.T. 0.003 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45



Tgt Ion: 94 Resp: 291516  
 Ion Ratio Lower Upper  
 94 100  
 96 93.0 71.0 106.6





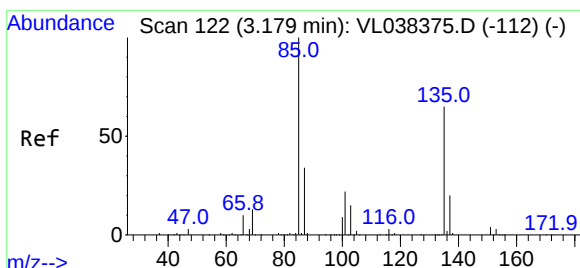
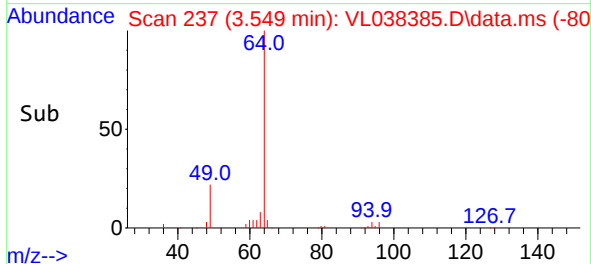
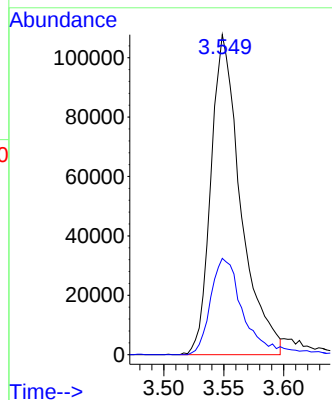
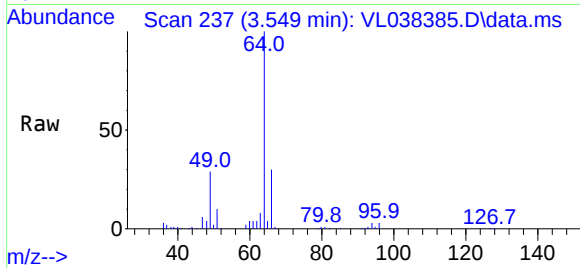
#7  
Chloroethane  
Concen: 10.043 ppbv  
RT: 3.549 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02

Tgt Ion: 64 Resp: 18594  
Ion Ratio Lower Upper  
64 100  
66 30.1 25.9 38.9

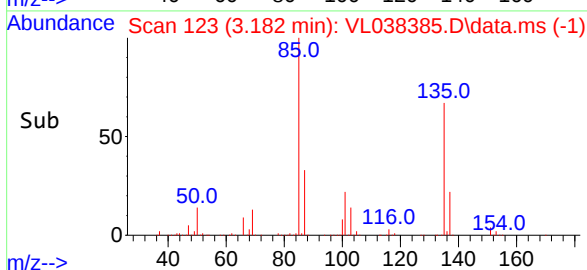
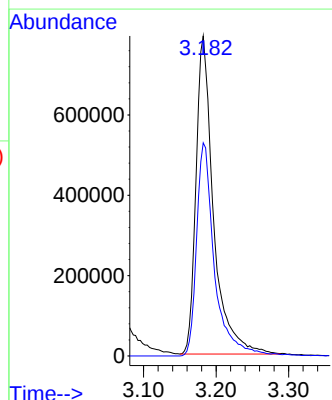
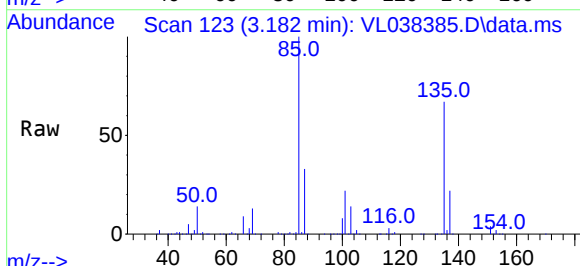
Manual Integrations  
APPROVED

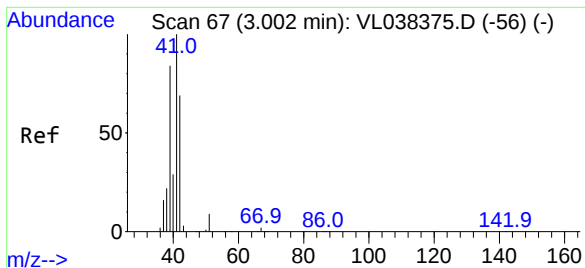
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#8  
Dichlorotetrafluoroethane  
Concen: 10.000 ppbv  
RT: 3.182 min Scan# 123  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

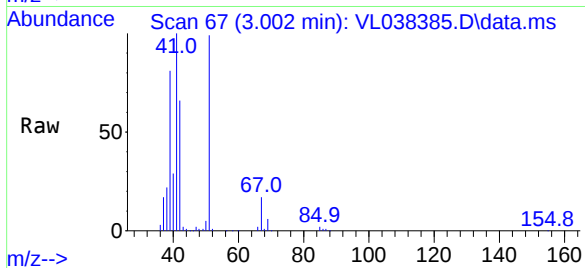
Tgt Ion: 85 Resp: 1324120  
Ion Ratio Lower Upper  
85 100  
135 69.1 54.1 81.1





#9  
 Propene  
 Concen: 10.117 ppbv  
 RT: 3.002 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45

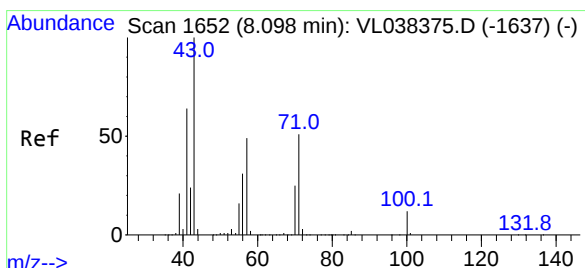
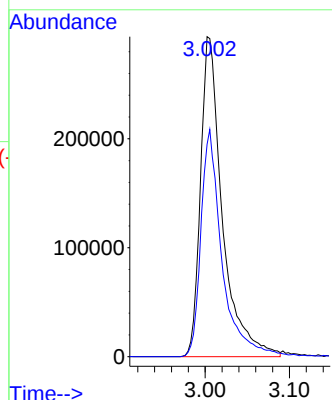
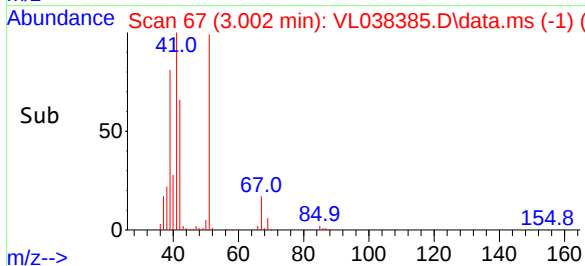
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0222ABS02



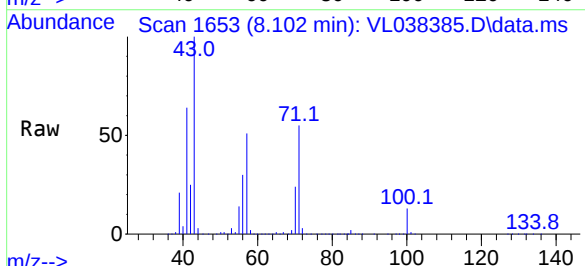
Tgt Ion: 41 Resp: 530148  
 Ion Ratio Lower Upper  
 41 100  
 42 69.1 54.6 82.0

Manual Integrations  
 APPROVED

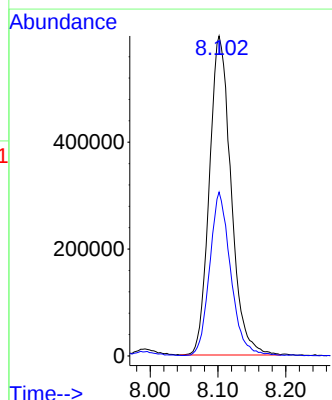
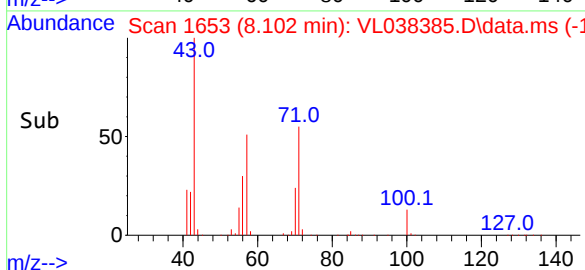
Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022

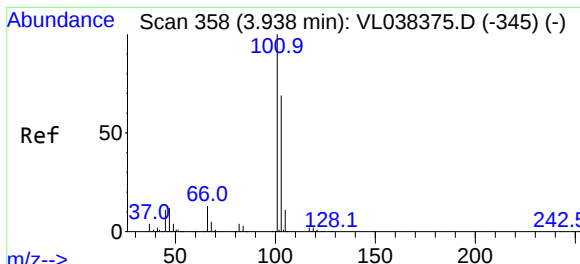


#10  
 Heptane  
 Concen: 10.399 ppbv  
 RT: 8.102 min Scan# 1653  
 Delta R.T. 0.003 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45



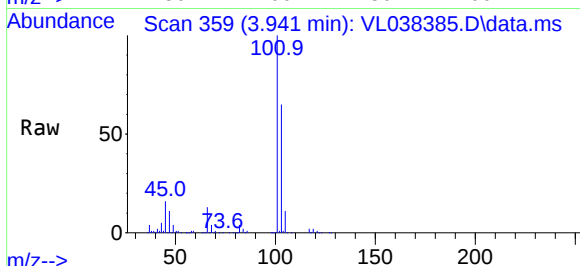
Tgt Ion: 43 Resp: 1326519  
 Ion Ratio Lower Upper  
 43 100  
 57 50.4 39.8 59.8





#11  
Trichlorofluoromethane  
Concen: 9.638 ppbv  
RT: 3.941 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

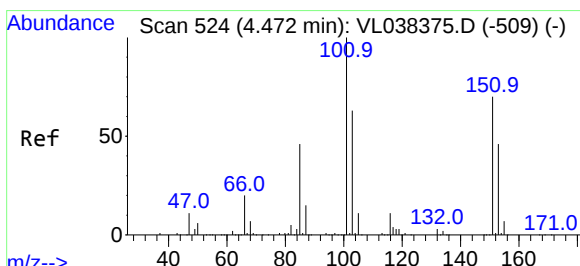
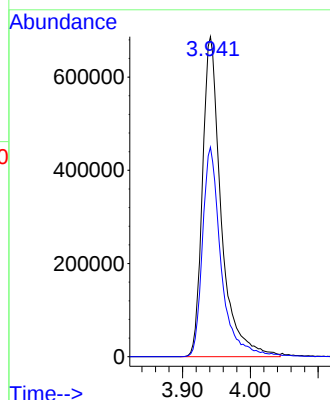
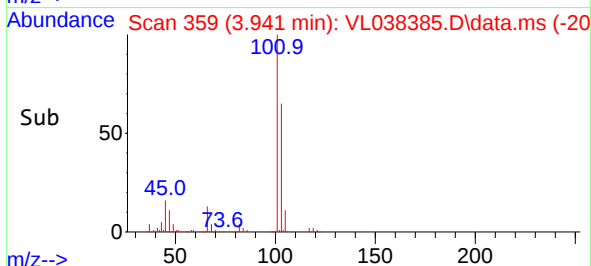
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



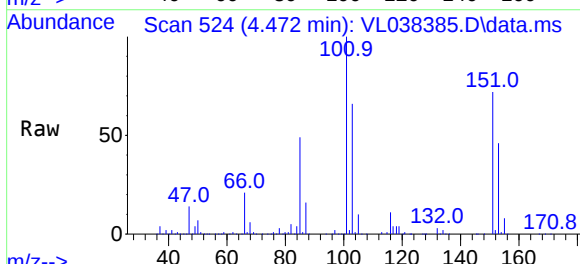
Tgt Ion:101 Resp: 131357  
Ion Ratio Lower Upper  
101 100  
103 65.4 55.0 82.4

Manual Integrations  
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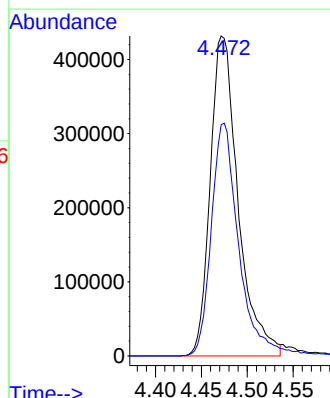
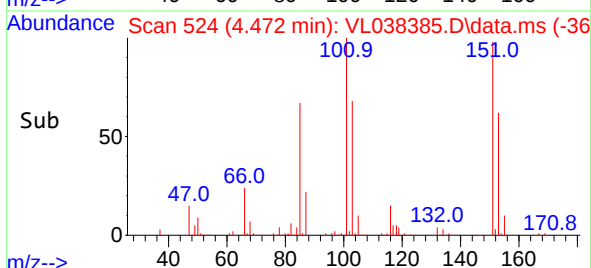
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

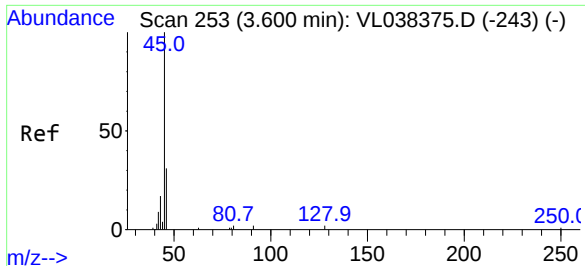


#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.146 ppbv  
RT: 4.472 min Scan# 524  
Delta R.T. 0.000 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



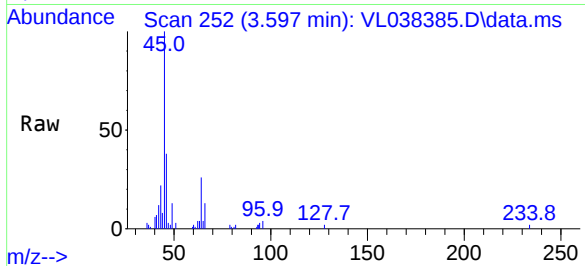
Tgt Ion:101 Resp: 913912  
Ion Ratio Lower Upper  
101 100  
151 72.5 55.9 83.9





#13  
Ethanol  
Concen: 9.595 ppbv m  
RT: 3.597 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

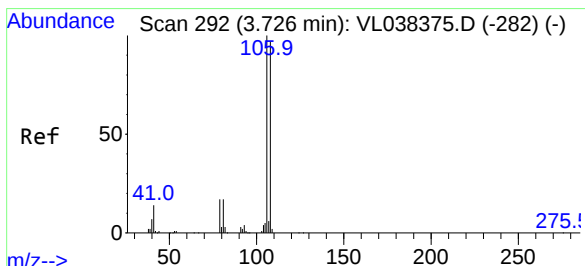
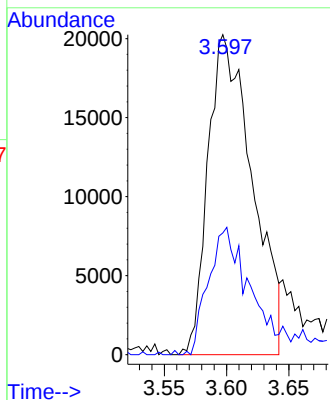
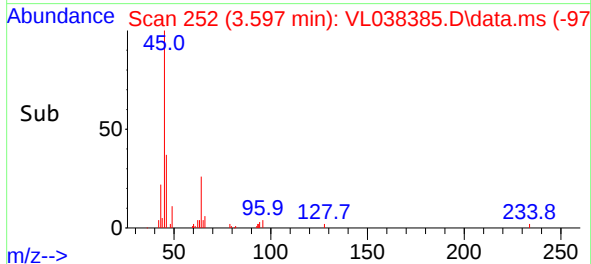
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



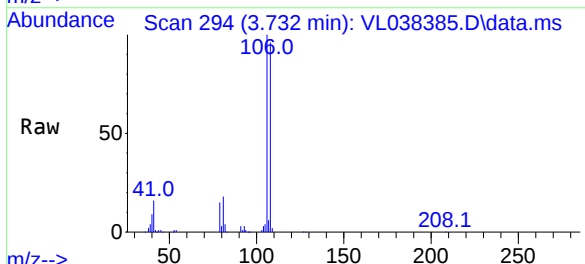
Tgt Ion: 45 Resp: 50178  
Ion Ratio Lower Upper  
45 100  
46 38.2 18.2 72.8

Manual Integrations  
APPROVED

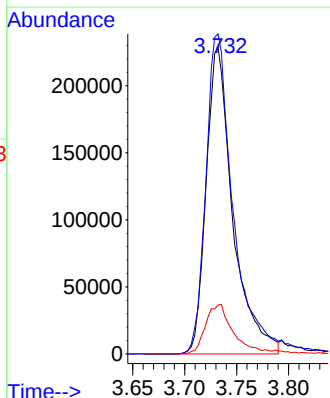
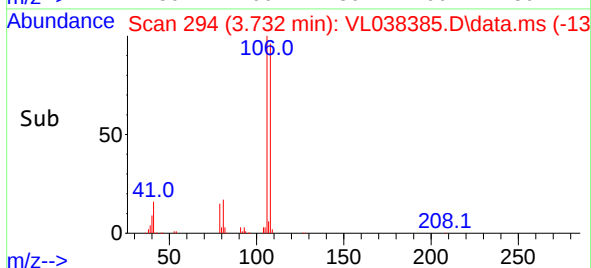
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

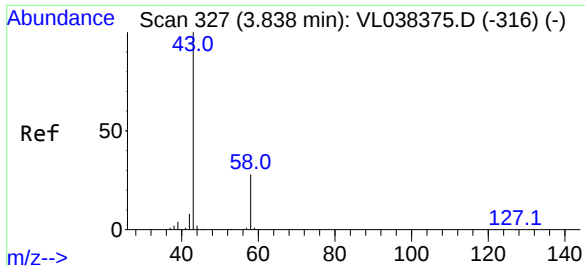


#14  
Bromoethene  
Concen: 10.223 ppbv  
RT: 3.732 min Scan# 294  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



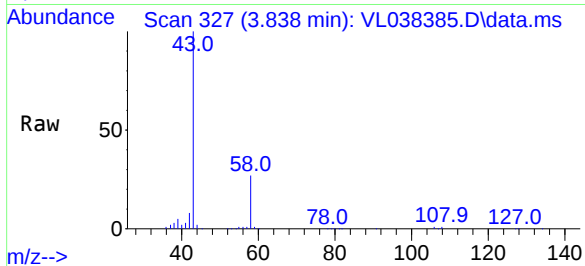
Tgt Ion:108 Resp: 406955  
Ion Ratio Lower Upper  
108 100  
106 110.6 88.4 132.6  
79 18.2 15.0 22.6





#15  
Acetone  
Concen: 8.566 ppbv  
RT: 3.838 min Scan# 316  
Delta R.T. 0.000 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

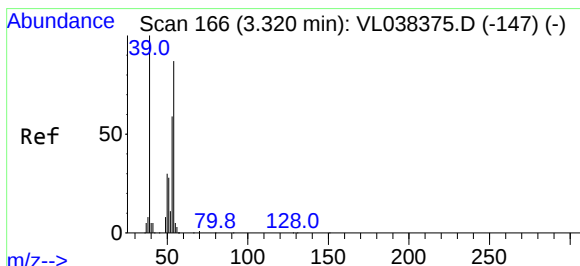
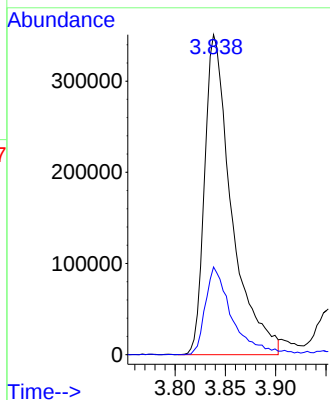
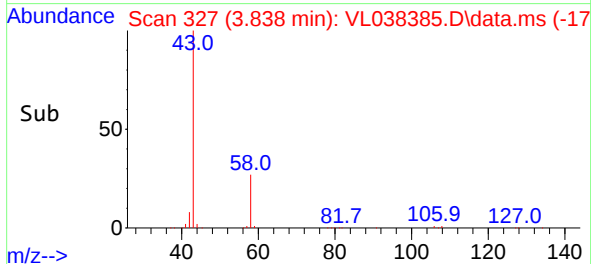
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



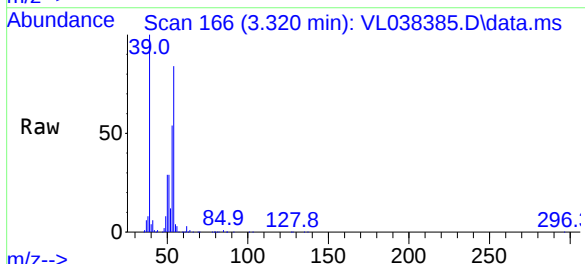
Tgt Ion: 43 Resp: 654679  
Ion Ratio Lower Upper  
43 100  
58 27.6 21.7 32.5

Manual Integrations  
APPROVED

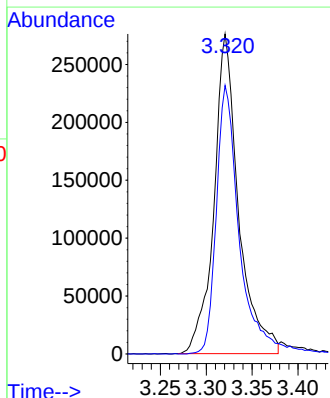
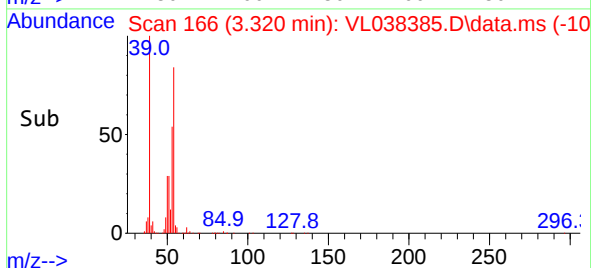
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

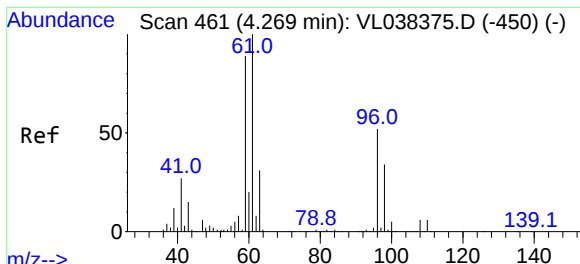


#16  
1,3-Butadiene  
Concen: 10.107 ppbv  
RT: 3.320 min Scan# 166  
Delta R.T. 0.000 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



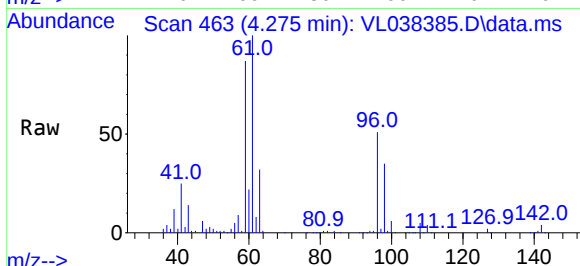
Tgt Ion: 39 Resp: 516017  
Ion Ratio Lower Upper  
39 100  
54 79.6 60.3 90.5





#17  
tert-Butyl alcohol  
Concen: 10.341 ppbv  
RT: 4.275 min Scan# 463  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

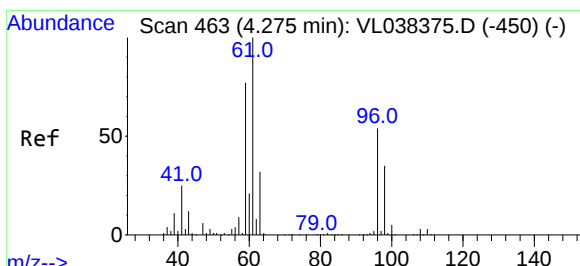
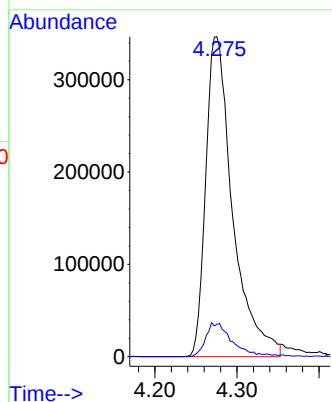
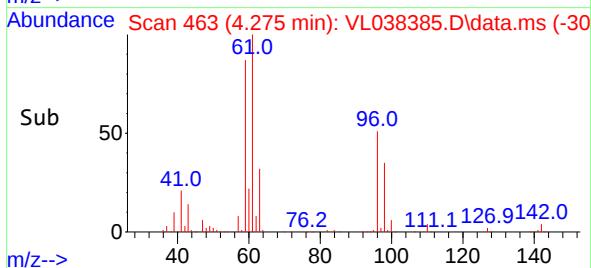
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



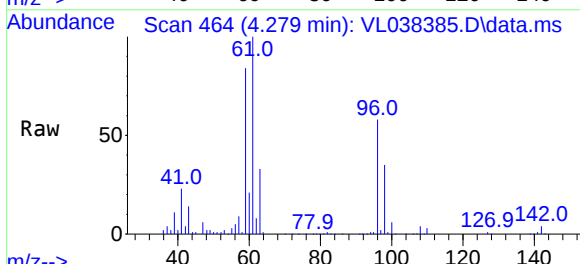
Tgt Ion: 59 Resp: 788540  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.4 12.6

Manual Integrations  
APPROVED

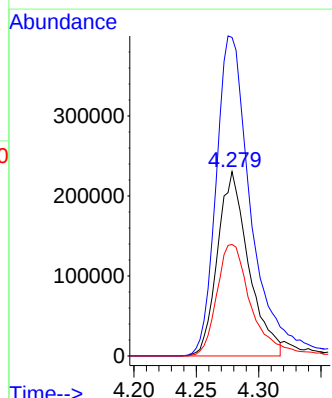
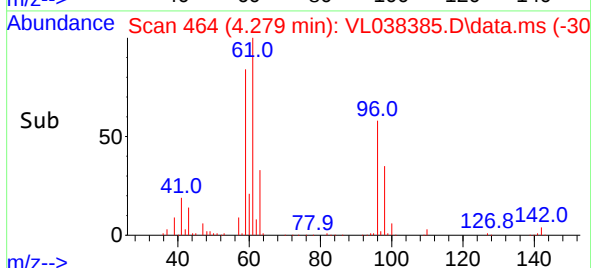
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

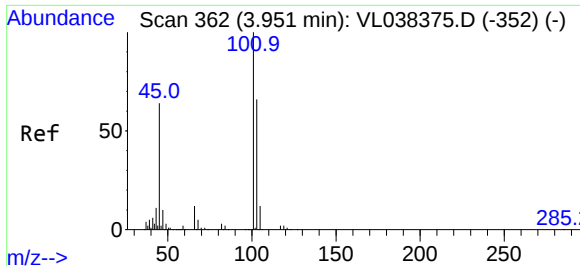


#18  
1,1-Dichloroethene  
Concen: 9.117 ppbv  
RT: 4.279 min Scan# 464  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



Tgt Ion: 96 Resp: 399977  
Ion Ratio Lower Upper  
96 100  
61 172.7 146.8 220.2  
98 60.5 51.5 77.3





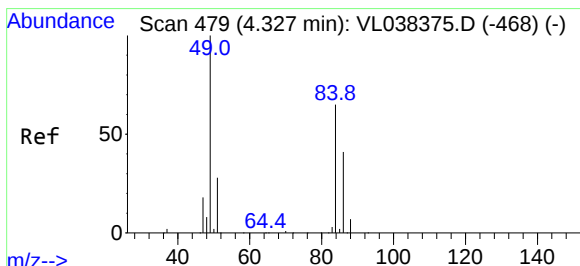
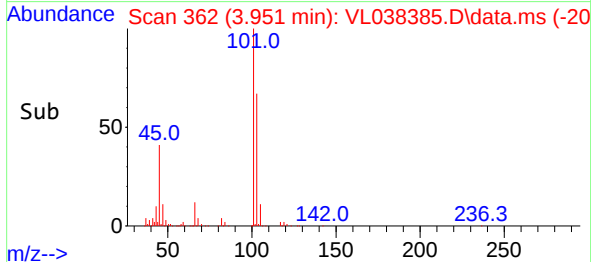
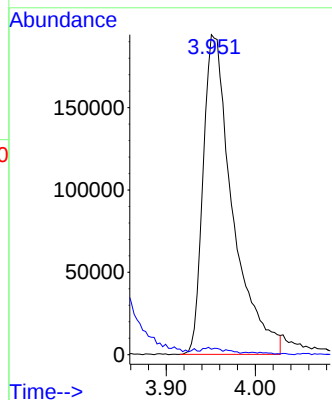
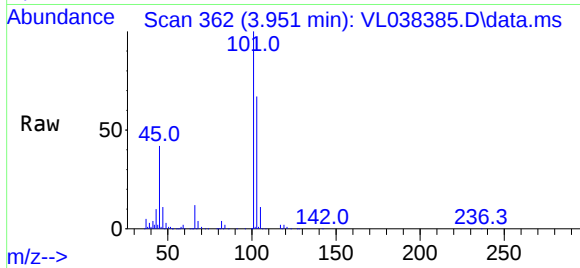
#19  
Isopropyl Alcohol  
Concen: 10.093 ppbv  
RT: 3.951 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02

Tgt Ion: 45 Resp: 446709  
Ion Ratio Lower Upper  
45 100  
58 2.7 1.8 2.8

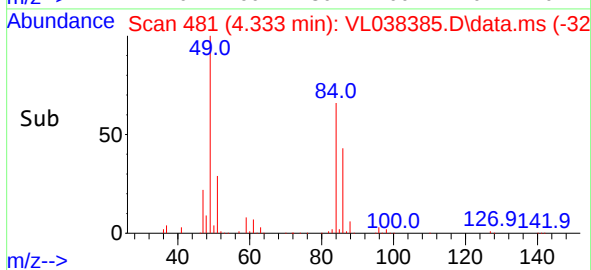
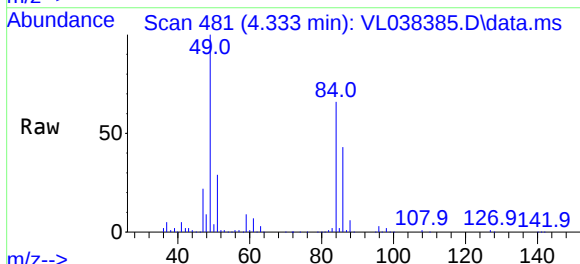
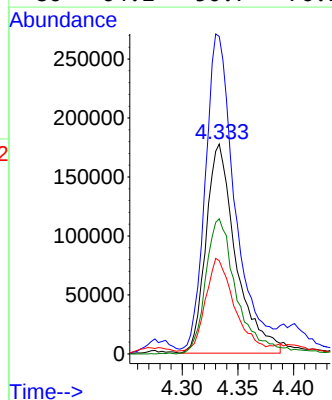
Manual Integrations  
APPROVED

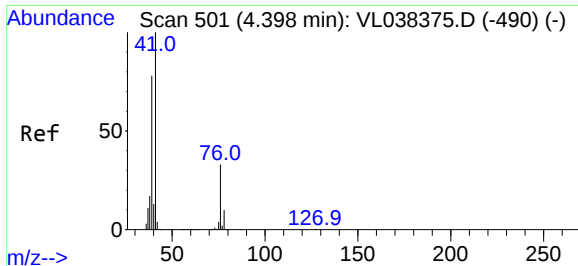
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#20  
Methylene Chloride  
Concen: 8.743 ppbv  
RT: 4.333 min Scan# 481  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Tgt Ion: 84 Resp: 331107  
Ion Ratio Lower Upper  
84 100  
49 149.5 122.4 183.6  
51 43.1 33.3 49.9  
86 64.2 50.7 76.1





#21  
 Allyl Chloride  
 Concen: 9.639 ppbv  
 RT: 4.401 min Scan# 501  
 Delta R.T. 0.003 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45

Instrument :

MSVOA\_L

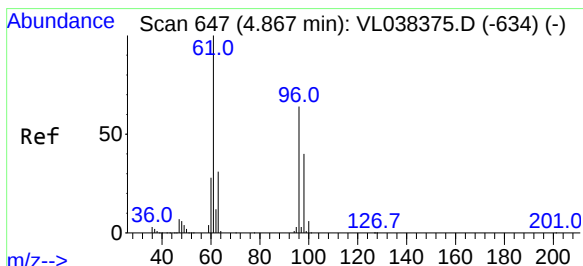
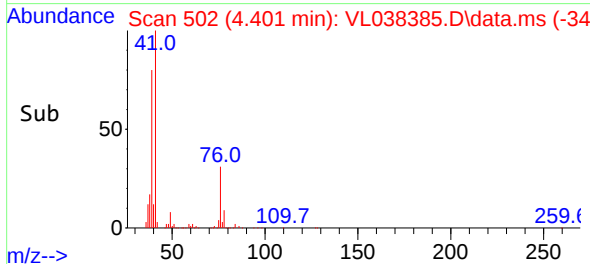
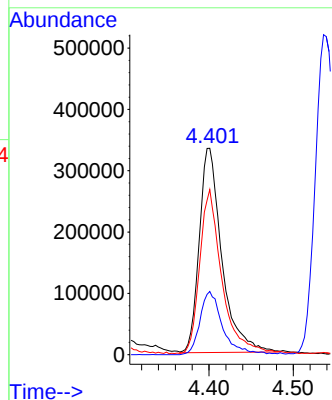
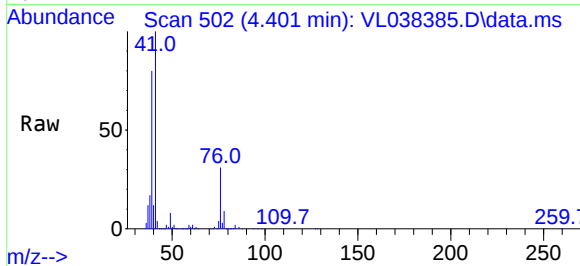
ClientSampleId :

VL0222ABS02

Tgt Ion: 41 Resp: 622249  
 Ion Ratio Lower Upper  
 41 100  
 76 31.2 25.4 38.0  
 39 79.6 63.0 94.6

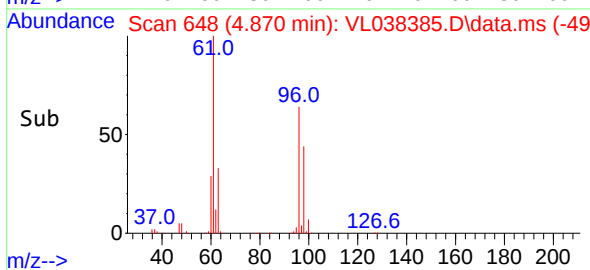
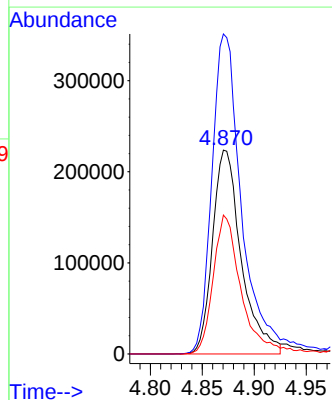
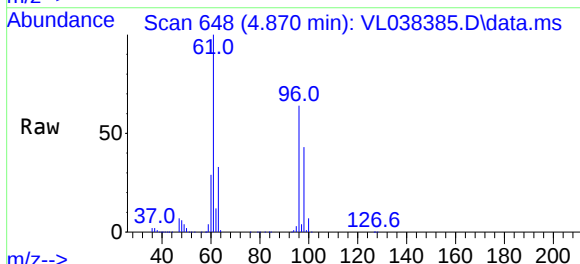
Manual Integrations  
 APPROVED

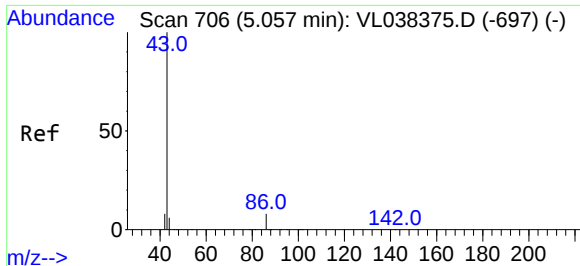
Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.735 ppbv  
 RT: 4.870 min Scan# 648  
 Delta R.T. 0.003 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45

Tgt Ion: 96 Resp: 430889  
 Ion Ratio Lower Upper  
 96 100  
 61 156.9 124.2 186.4  
 98 68.1 49.1 73.7





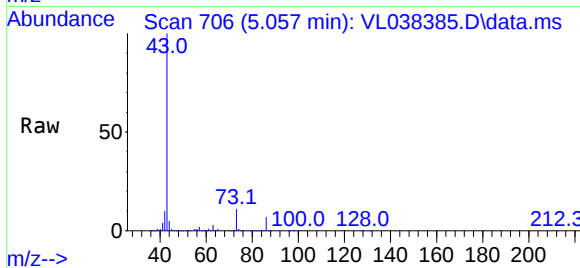
#23  
 Vinyl Acetate  
 Concen: 10.013 ppbv  
 RT: 5.057 min Scan# 706  
 Delta R.T. 0.000 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45

Instrument :

MSVOA\_L

ClientSampleId :

VL0222ABS02

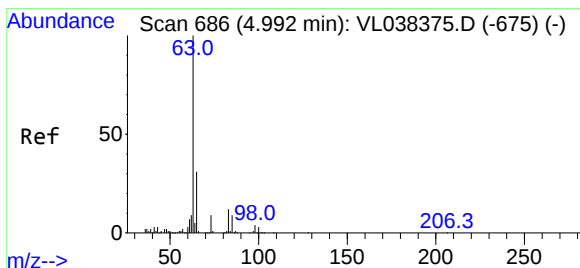
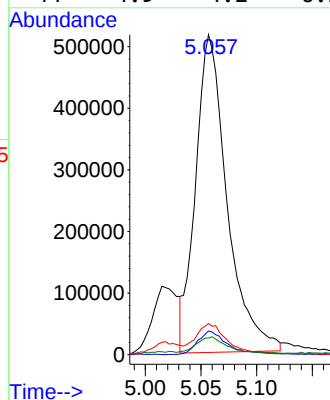
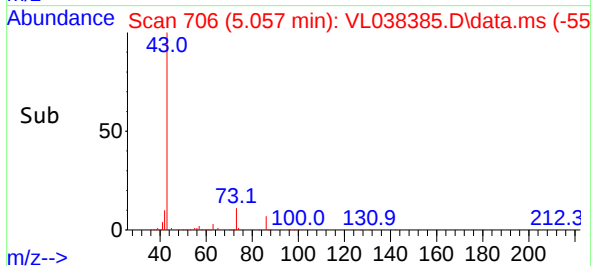


Tgt Ion: 43 Resp: 1014190  
 Ion Ratio Lower Upper  
 43 100  
 86 7.5 5.8 8.6  
 42 9.7 7.4 11.0  
 44 4.9 4.2 6.2

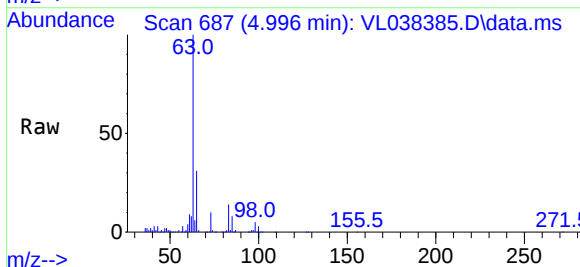
Manual Integrations

APPROVED

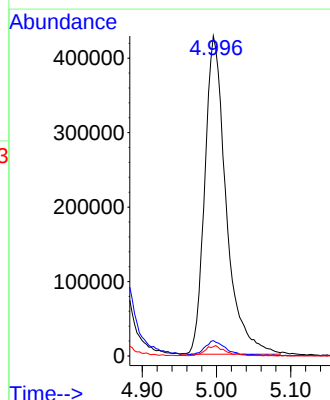
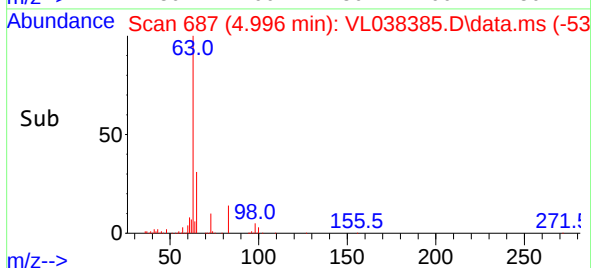
Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022

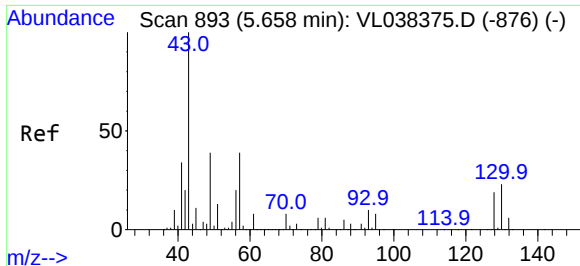


#24  
 1,1-Dichloroethane  
 Concen: 9.346 ppbv  
 RT: 4.996 min Scan# 687  
 Delta R.T. 0.003 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45



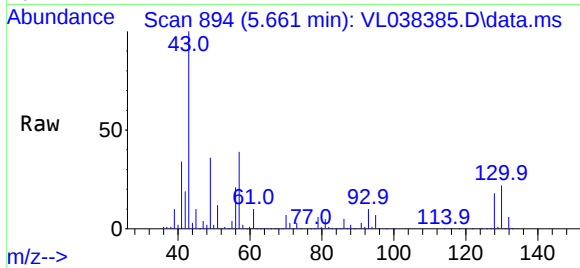
Tgt Ion: 63 Resp: 851090  
 Ion Ratio Lower Upper  
 63 100  
 98 4.7 2.1 6.5  
 100 2.8 1.4 4.2





#25  
Ethyl Acetate  
Concen: 10.234 ppbv  
RT: 5.661 min Scan# 894  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02

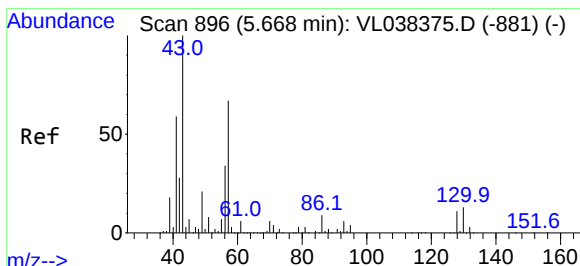
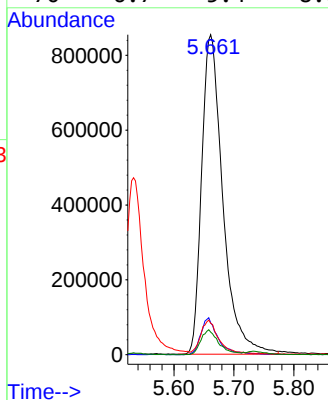
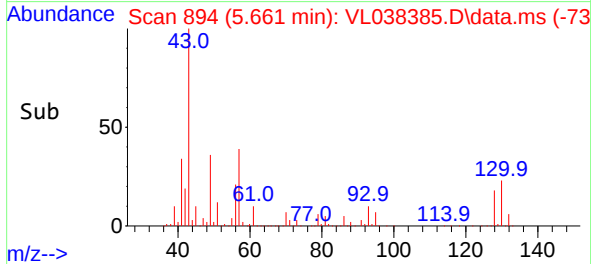


Tgt Ion: 43 Resp: 2101478

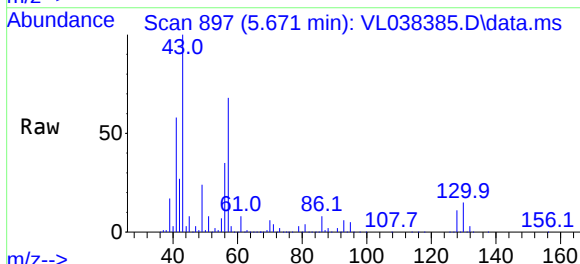
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 9.8   | 7.8   | 11.6  |
| 61  | 9.8   | 7.5   | 11.3  |
| 70  | 6.7   | 5.4   | 8.0   |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

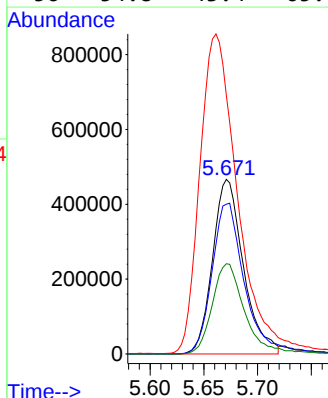
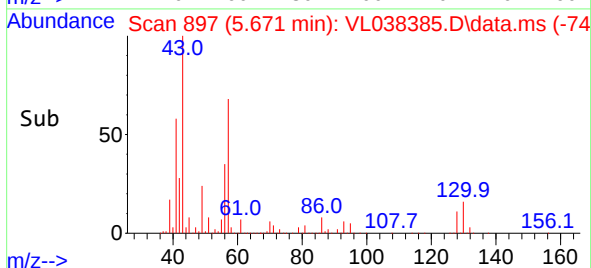


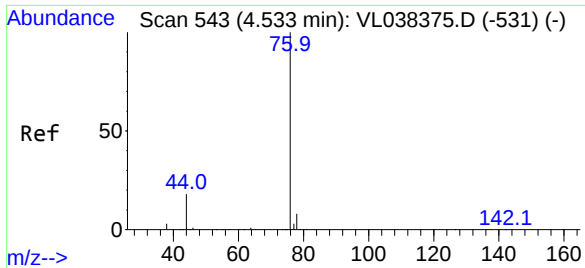
#26  
Hexane  
Concen: 9.995 ppbv  
RT: 5.671 min Scan# 897  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



Tgt Ion: 57 Resp: 929463

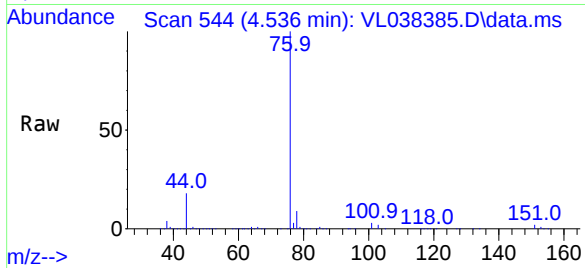
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 92.6  | 73.1  | 109.7 |
| 43  | 227.8 | 181.0 | 271.4 |
| 56  | 54.8  | 43.4  | 65.0  |





#27  
Carbon Disulfide  
Concen: 10.025 ppbv  
RT: 4.536 min Scan# 543  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

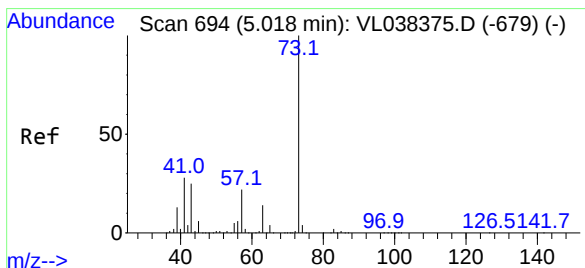
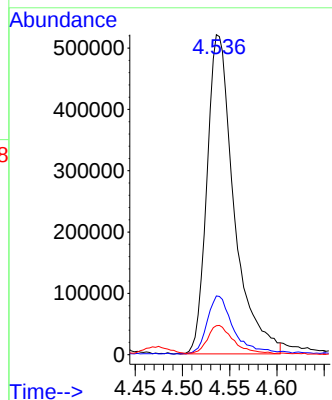
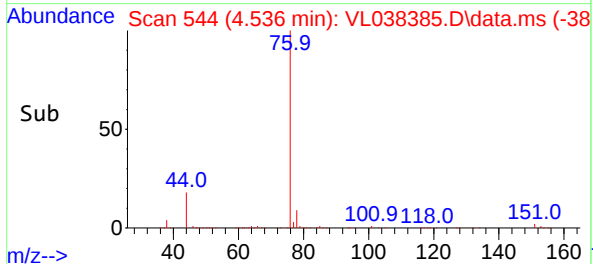
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



Tgt Ion: 76 Resp: 1036960  
Ion Ratio Lower Upper  
76 100  
44 18.3 14.2 21.2  
78 9.8 7.8 11.6

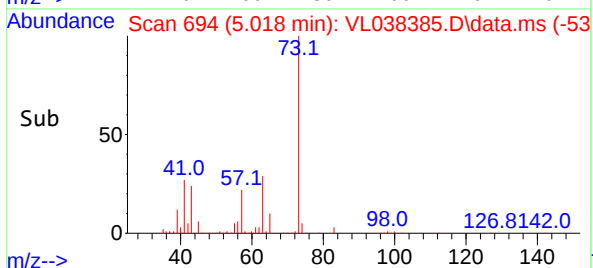
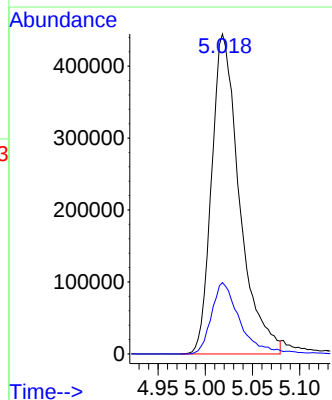
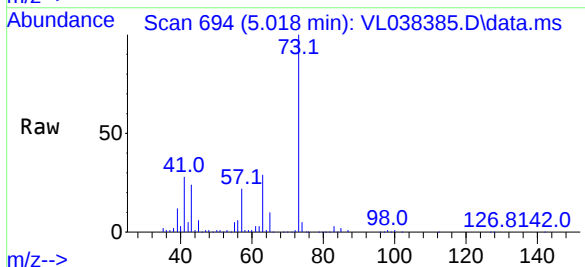
Manual Integrations  
APPROVED

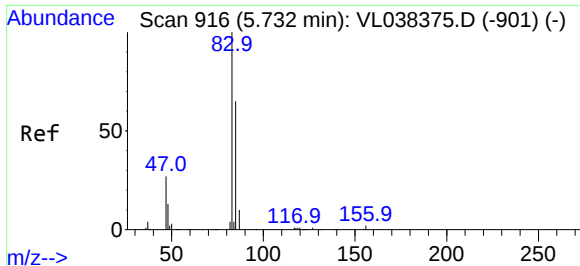
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#28  
Methyl tert-Butyl Ether  
Concen: 9.633 ppbv  
RT: 5.018 min Scan# 694  
Delta R.T. 0.000 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

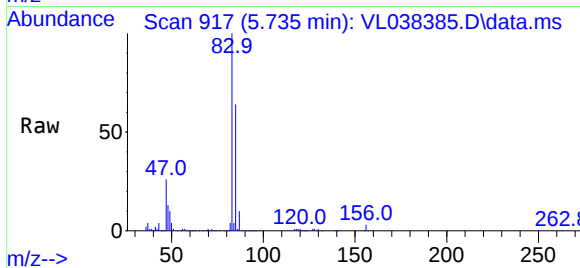
Tgt Ion: 73 Resp: 912400  
Ion Ratio Lower Upper  
73 100  
57 23.1 18.2 27.4





#29  
Chloroform  
Concen: 10.252 ppbv  
RT: 5.735 min Scan# 916  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

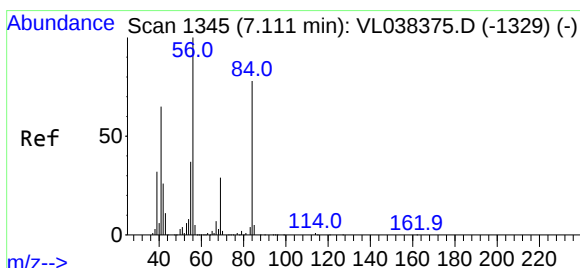
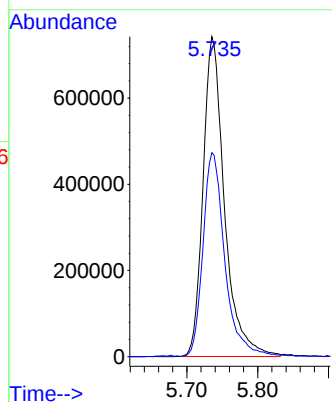
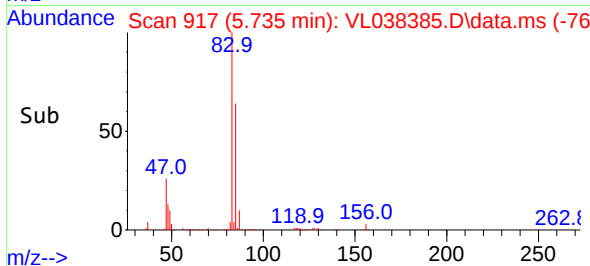
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



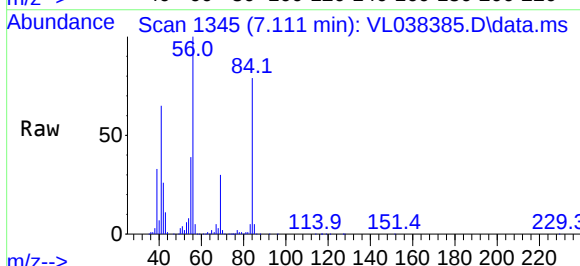
Tgt Ion: 83 Resp: 155597  
Ion Ratio Lower Upper  
83 100  
85 63.7 51.6 77.4

Manual Integrations  
APPROVED

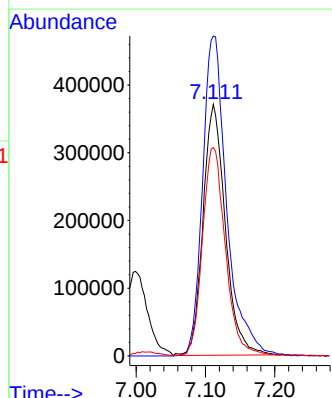
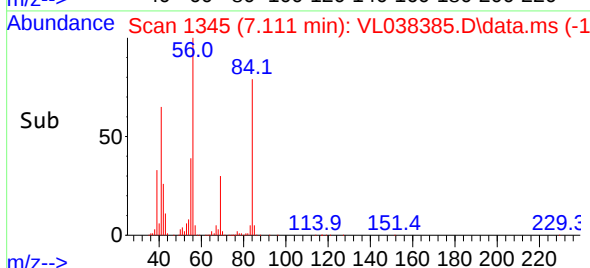
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

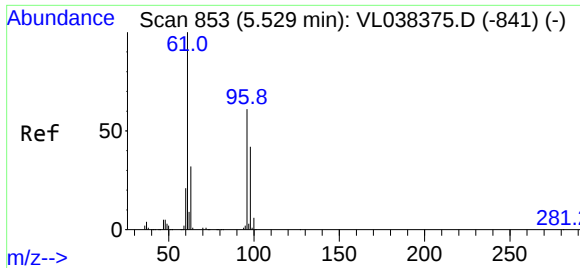


#30  
Cyclohexane  
Concen: 10.881 ppbv  
RT: 7.111 min Scan# 1345  
Delta R.T. 0.000 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



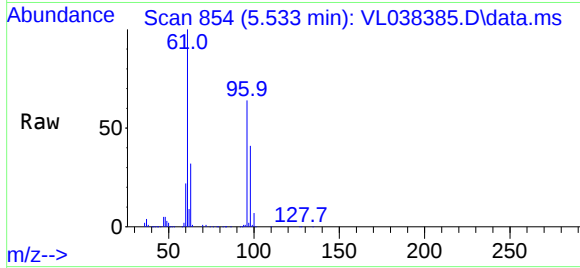
Tgt Ion: 84 Resp: 827540  
Ion Ratio Lower Upper  
84 100  
56 138.9 116.2 174.4  
41 86.1 74.3 111.5





#31  
cis-1,2-Dichloroethene  
Concen: 11.031 ppbv  
RT: 5.533 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

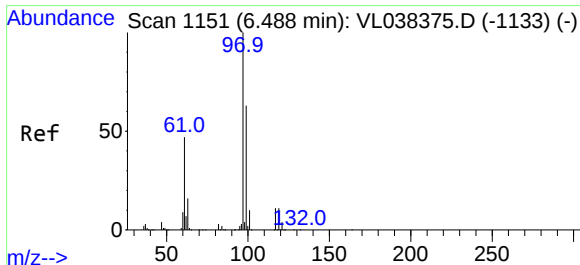
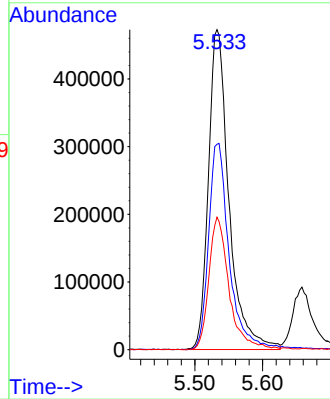
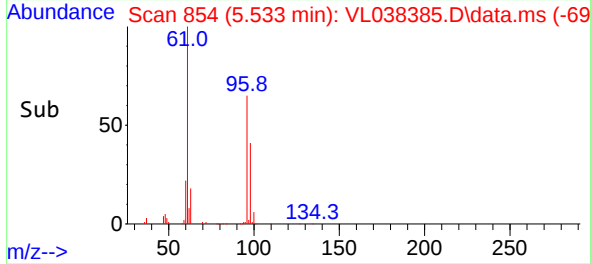
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



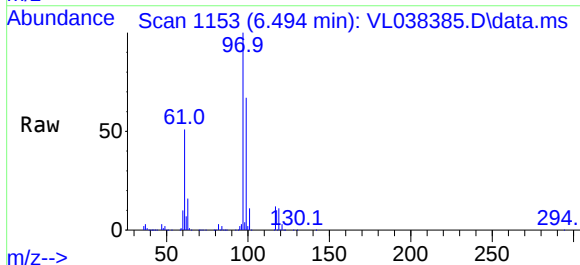
Tgt Ion: 61 Resp: 993820  
Ion Ratio Lower Upper  
61 100  
96 64.2 48.6 73.0  
98 41.4 33.2 49.8

Manual Integrations  
APPROVED

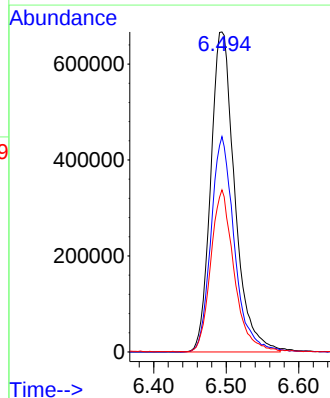
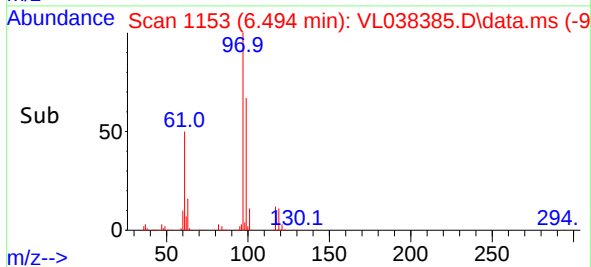
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

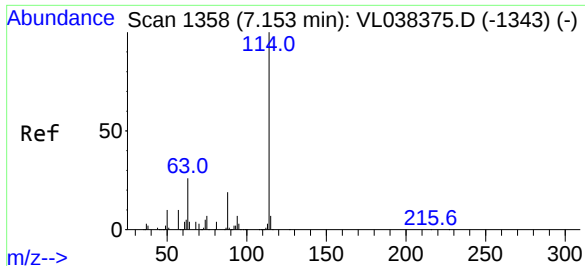


#32  
1,1,1-Trichloroethane  
Concen: 10.061 ppbv  
RT: 6.494 min Scan# 1153  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



Tgt Ion: 97 Resp: 1535686  
Ion Ratio Lower Upper  
97 100  
99 65.8 51.9 77.9  
61 49.6 40.5 60.7





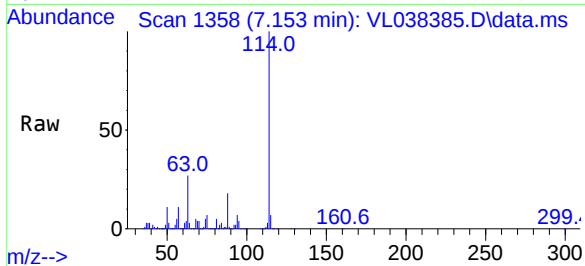
#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.153 min Scan# 114  
Delta R.T. 0.000 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Instrument :

MSVOA\_L

ClientSampleId :

VL0222ABS02

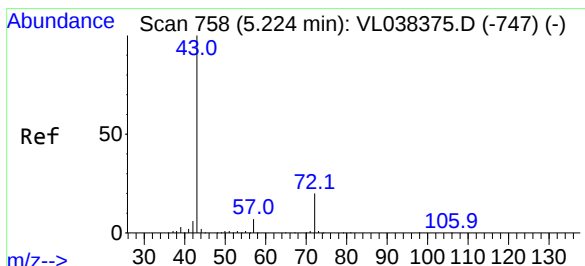
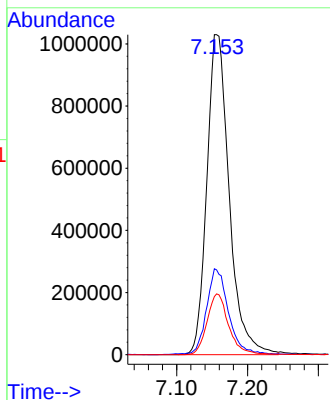
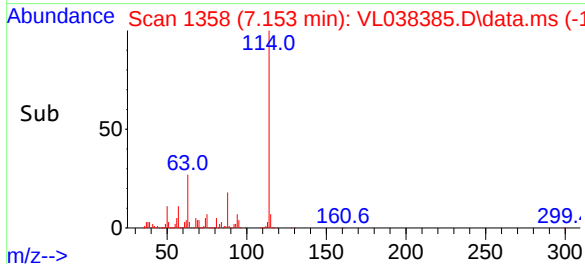


Tgt Ion:114 Resp: 2257978  
Ion Ratio Lower Upper  
114 100  
63 26.7 22.2 33.2  
88 18.4 15.2 22.8

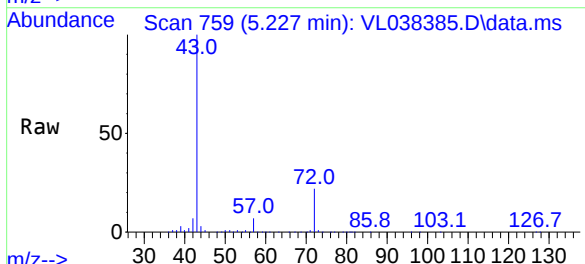
Manual Integrations

APPROVED

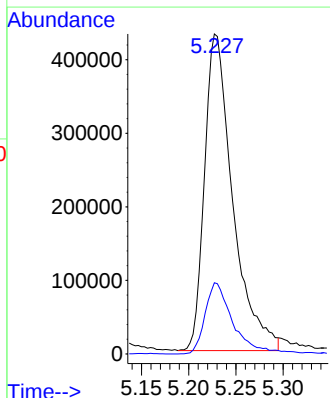
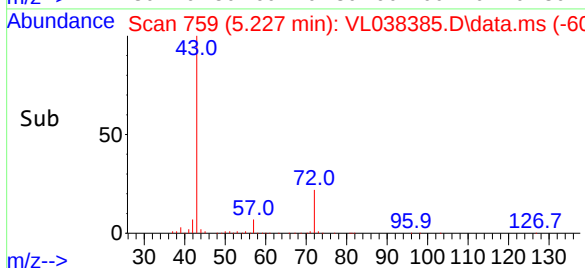
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

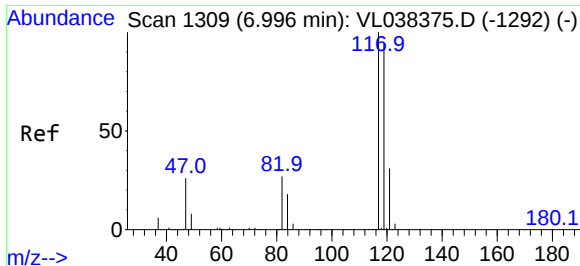


#34  
2-Butanone  
Concen: 12.590 ppbv  
RT: 5.227 min Scan# 759  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



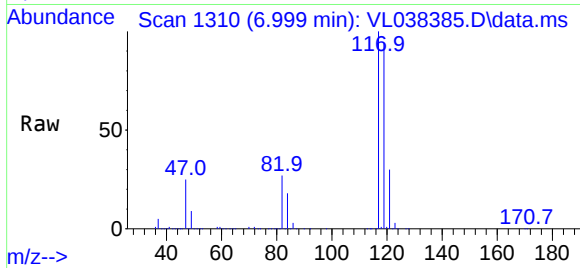
Tgt Ion: 43 Resp: 894054  
Ion Ratio Lower Upper  
43 100  
72 22.6 17.4 26.2





#35  
Carbon Tetrachloride  
Concen: 10.048 ppbv  
RT: 6.999 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

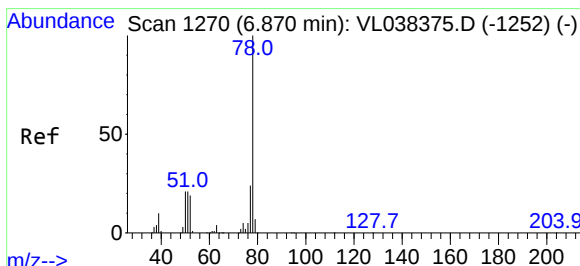
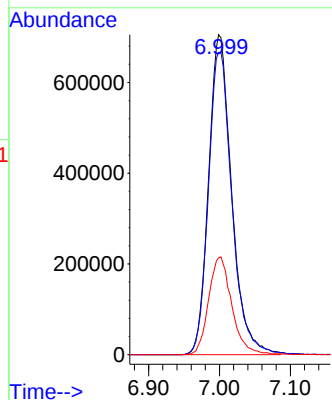
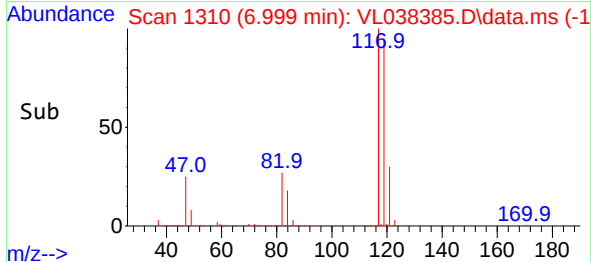
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



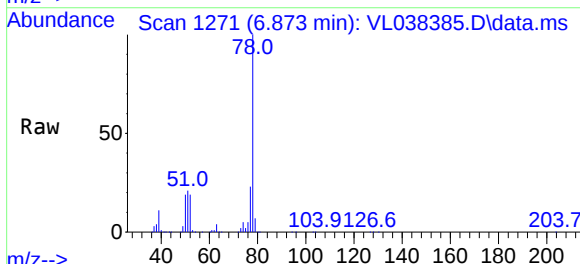
Tgt Ion:117 Resp: 1595424  
Ion Ratio Lower Upper  
117 100  
119 94.5 74.9 112.3  
121 30.2 24.8 37.2

Manual Integrations  
APPROVED

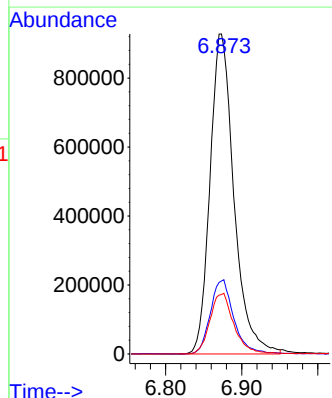
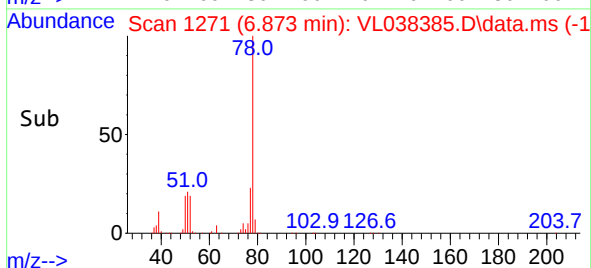
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

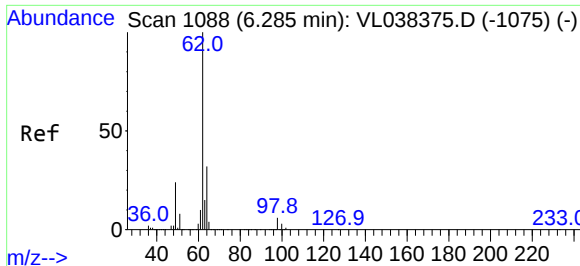


#36  
Benzene  
Concen: 10.203 ppbv  
RT: 6.873 min Scan# 1271  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



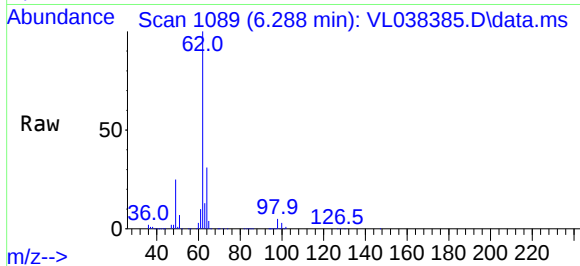
Tgt Ion: 78 Resp: 2028099  
Ion Ratio Lower Upper  
78 100  
77 22.8 19.0 28.6  
50 18.5 16.6 24.8





#37  
1,2-Dichloroethane  
Concen: 9.989 ppbv  
RT: 6.288 min Scan# 1088  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

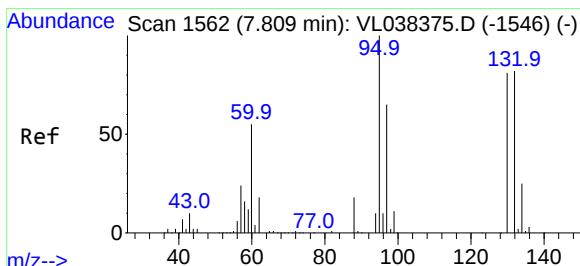
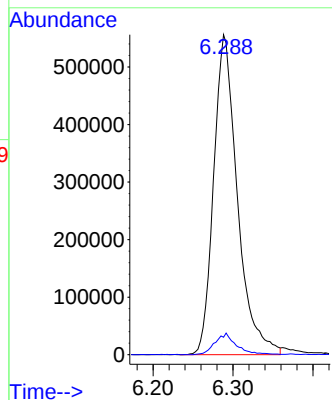
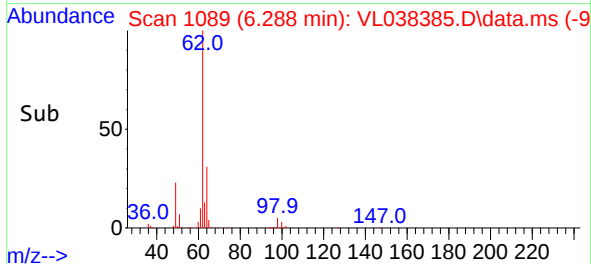
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



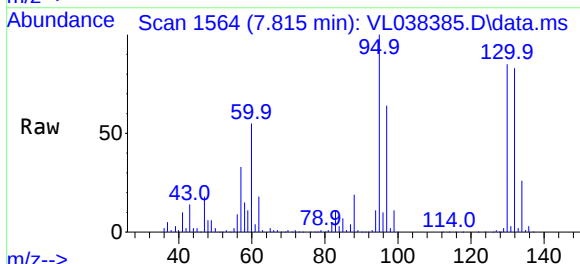
Tgt Ion: 62 Resp: 114743  
Ion Ratio Lower Upper  
62 100  
98 6.1 4.6 7.0

Manual Integrations  
APPROVED

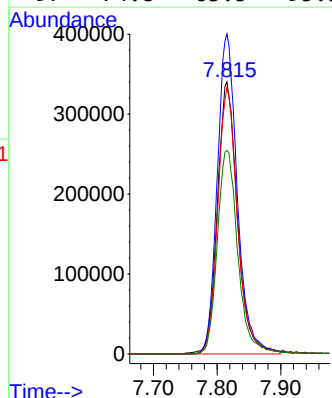
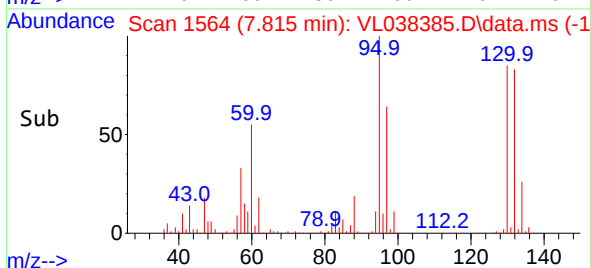
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

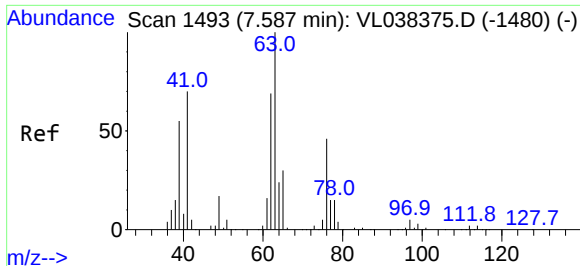


#38  
Trichloroethene  
Concen: 10.303 ppbv  
RT: 7.815 min Scan# 1564  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



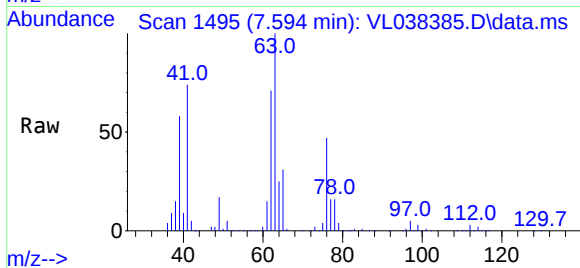
Tgt Ion:130 Resp: 745973  
Ion Ratio Lower Upper  
130 100  
95 117.7 98.1 147.1  
132 97.9 80.3 120.5  
97 74.8 63.5 95.3





#39  
1,2-Dichloropropane  
Concen: 9.952 ppbv  
RT: 7.594 min Scan# 1493  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

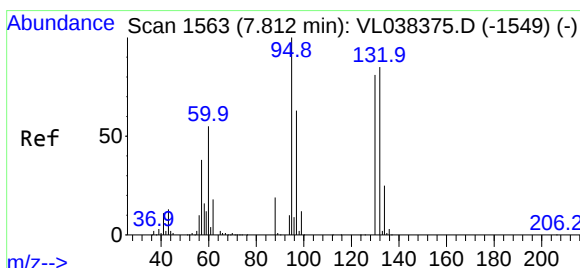
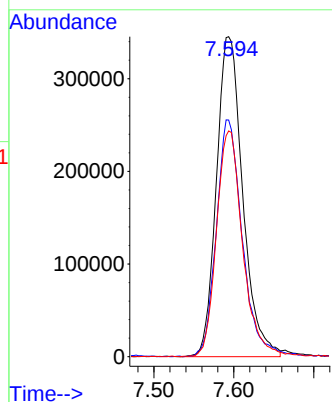
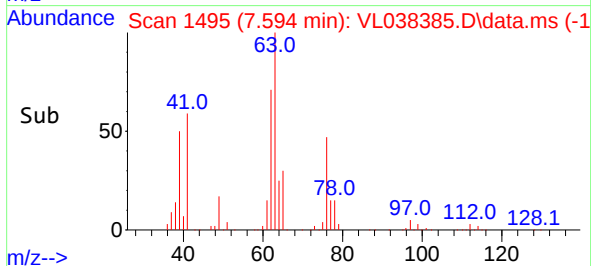
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



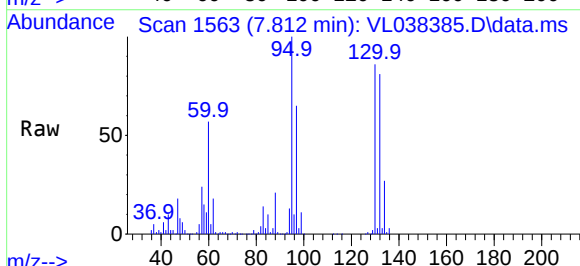
Tgt Ion: 63 Resp: 787925  
Ion Ratio Lower Upper  
63 100  
41 73.7 56.1 84.1  
62 70.6 55.5 83.3

Manual Integrations  
APPROVED

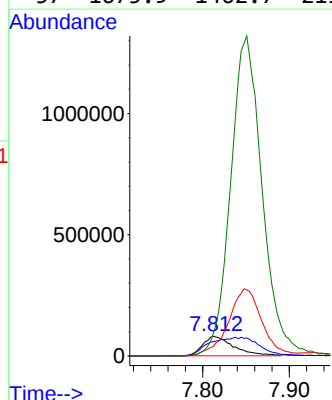
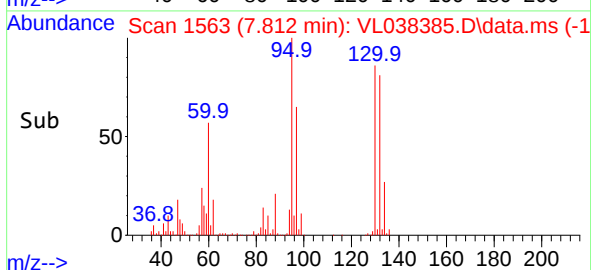
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

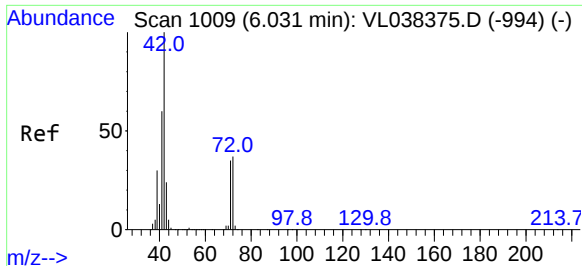


#40  
1,4-Dioxane  
Concen: 10.685 ppbv  
RT: 7.812 min Scan# 1563  
Delta R.T. 0.000 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



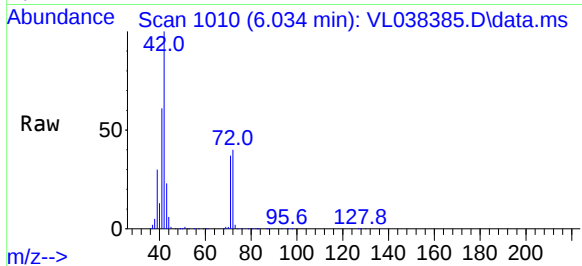
Tgt Ion: 88 Resp: 200655  
Ion Ratio Lower Upper  
88 100  
58 156.3 133.2 199.8  
43 386.1 330.6 496.0  
57 1675.9 1462.7 2194.1





#41  
Tetrahydrofuran  
Concen: 10.694 ppbv  
RT: 6.034 min Scan# 1009  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

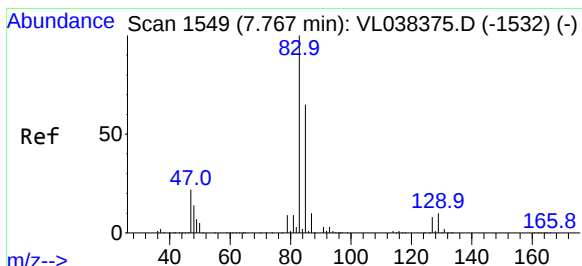
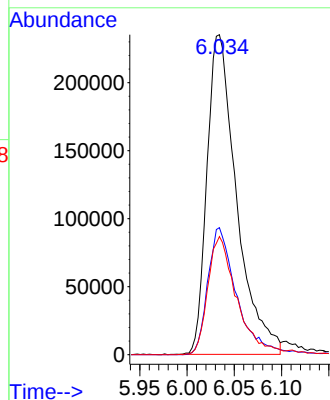
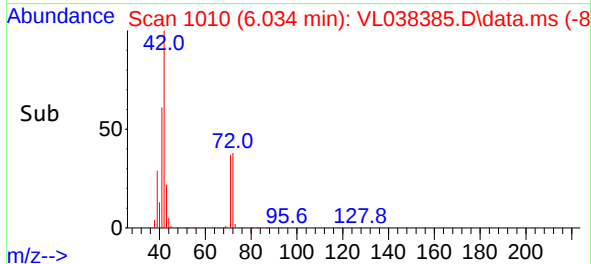
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



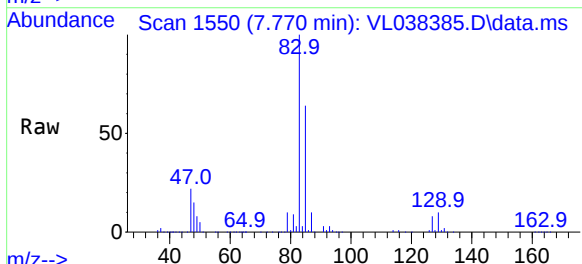
Tgt Ion: 42 Resp: 51311  
Ion Ratio Lower Upper  
42 100  
72 39.4 29.9 44.9  
71 36.8 28.6 42.8

Manual Integrations  
APPROVED

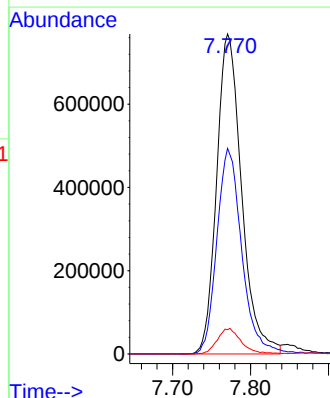
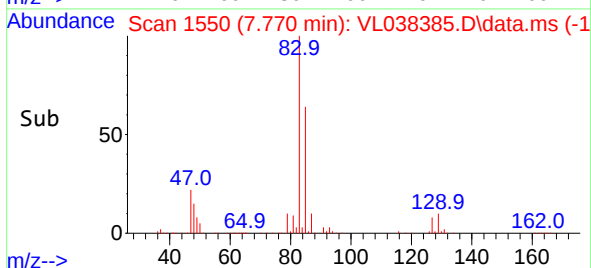
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

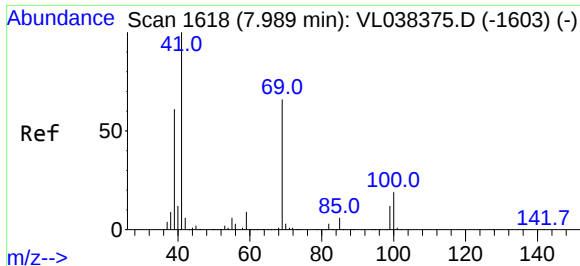


#42  
Bromodichloromethane  
Concen: 10.334 ppbv  
RT: 7.770 min Scan# 1550  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



Tgt Ion: 83 Resp: 1714079  
Ion Ratio Lower Upper  
83 100  
85 64.3 52.2 78.4  
127 7.6 6.2 9.4





#43  
Methyl Methacrylate  
Concen: 11.059 ppbv  
RT: 7.992 min Scan# 1619  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Instrument :

MSVOA\_L

ClientSampleId :

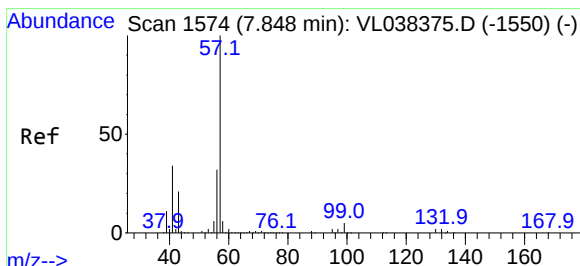
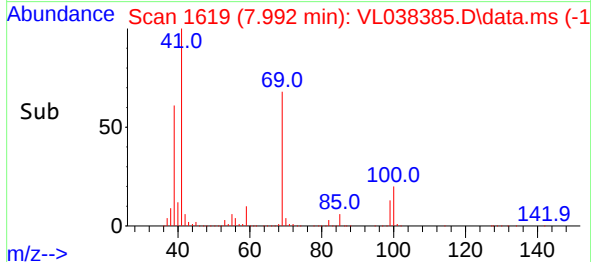
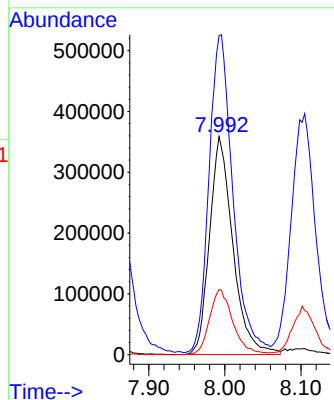
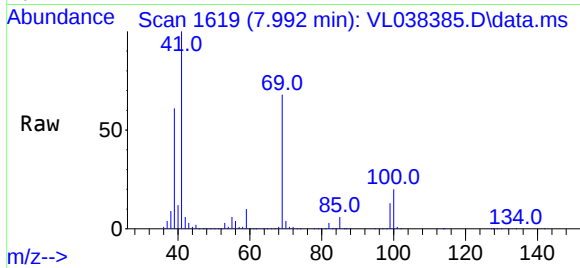
VL0222ABS02

Tgt Ion: 69 Resp: 76418  
Ion Ratio Lower Upper  
69 100  
41 151.0 122.9 184.3  
100 30.0 23.6 35.4

Manual Integrations

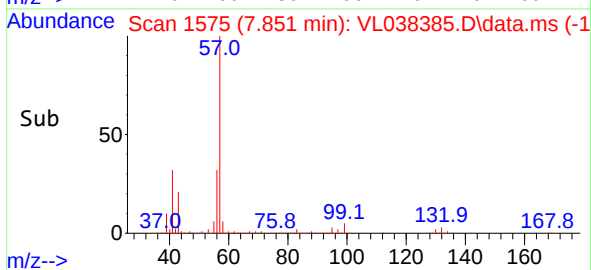
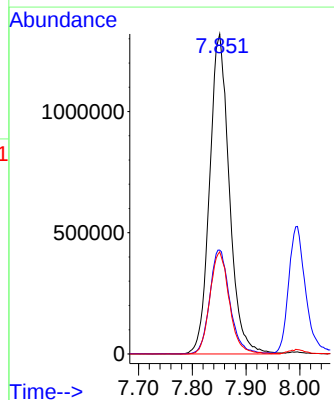
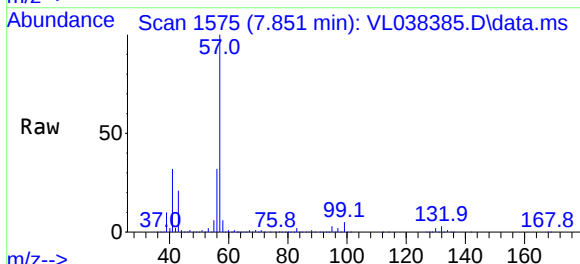
APPROVED

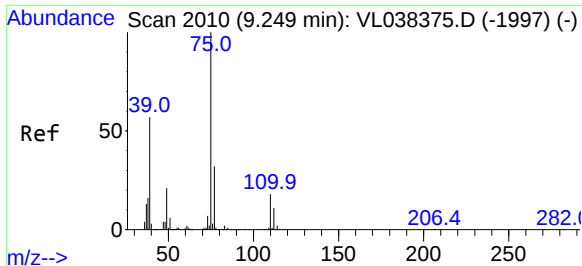
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#44  
2,2,4-Trimethylpentane  
Concen: 9.840 ppbv  
RT: 7.851 min Scan# 1575  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Tgt Ion: 57 Resp: 3361948  
Ion Ratio Lower Upper  
57 100  
41 33.0 26.6 39.8  
56 31.5 25.0 37.6





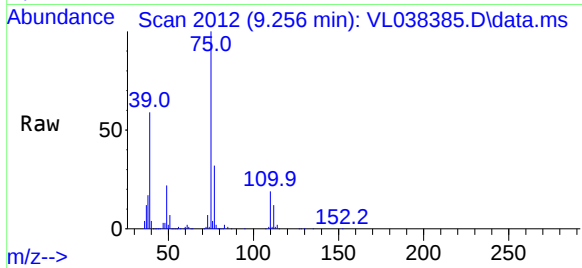
#45  
 t-1,3-Dichloropropene  
 Concen: 12.536 ppbv  
 RT: 9.256 min Scan# 2010  
 Delta R.T. 0.006 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45

Instrument :

MSVOA\_L

ClientSampleId :

VL0222ABS02

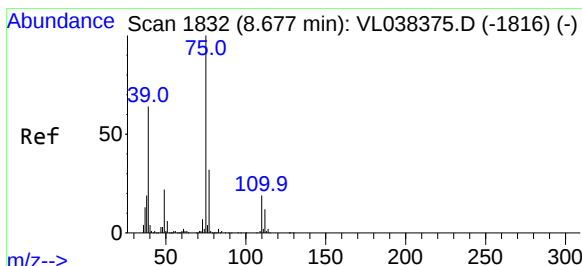
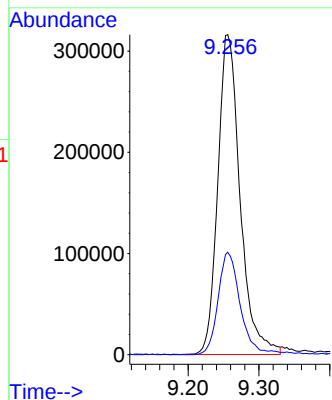
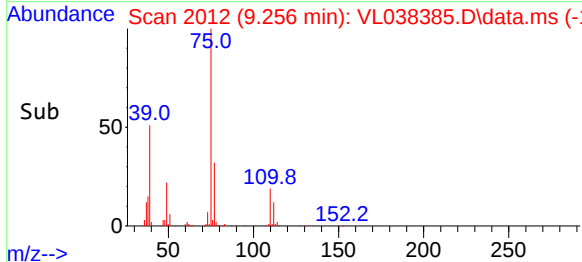


Tgt Ion: 75 Resp: 692325  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.4 38.0

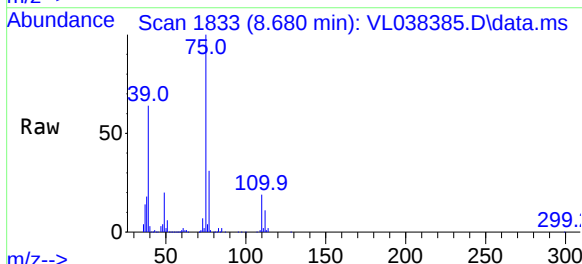
Manual Integrations

APPROVED

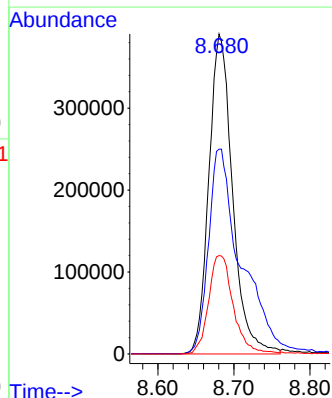
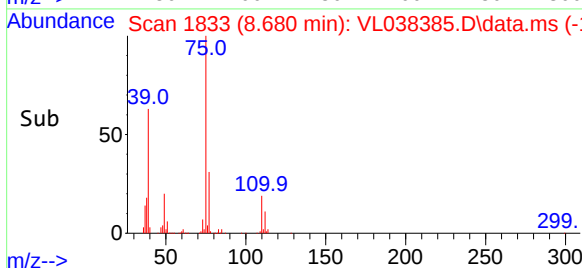
Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022

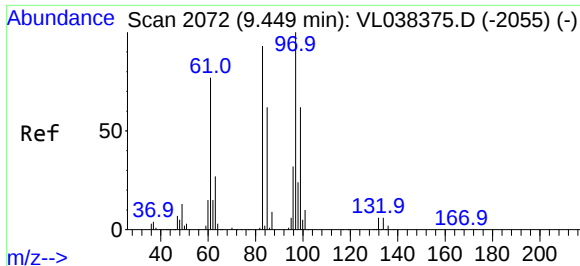


#46  
 cis-1,3-Dichloropropene  
 Concen: 11.650 ppbv  
 RT: 8.680 min Scan# 1833  
 Delta R.T. 0.003 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45



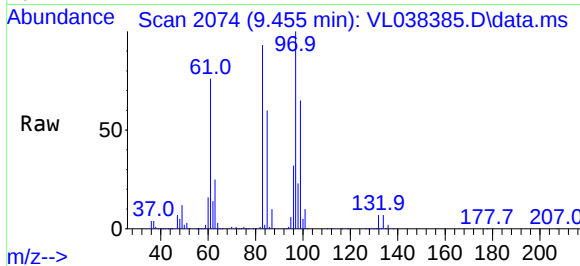
Tgt Ion: 75 Resp: 843222  
 Ion Ratio Lower Upper  
 75 100  
 39 63.8 51.4 77.2  
 77 30.7 25.4 38.2





#47  
1,1,2-Trichloroethane  
Concen: 10.233 ppbv  
RT: 9.455 min Scan# 2072  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

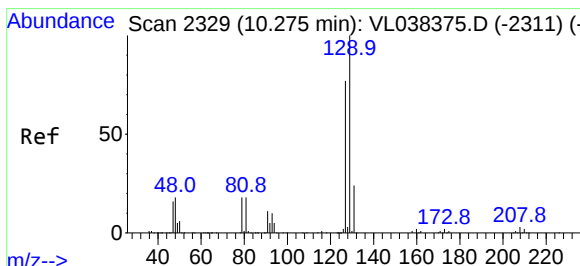
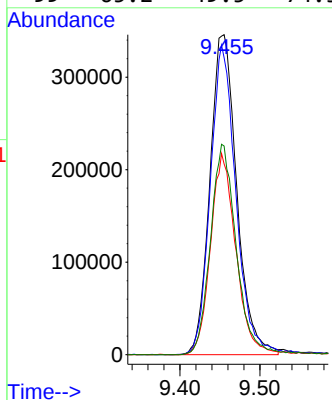
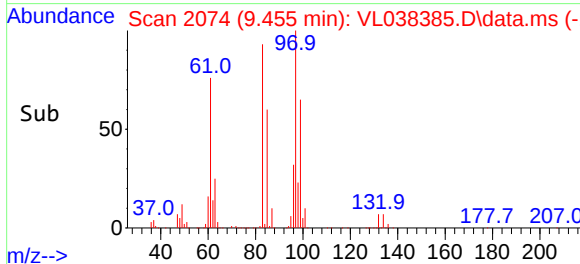
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



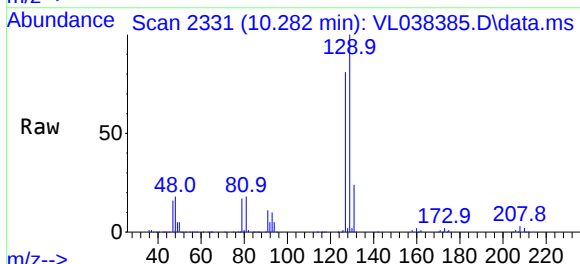
Tgt Ion: 97 Resp: 806072  
Ion Ratio Lower Upper  
97 100  
83 92.7 74.2 111.4  
85 59.6 49.8 74.8  
99 65.2 49.5 74.3

Manual Integrations  
APPROVED

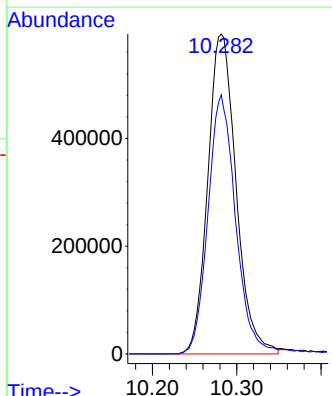
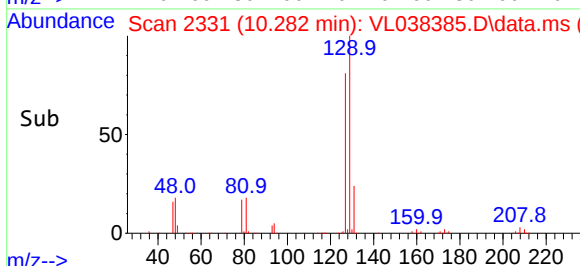
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

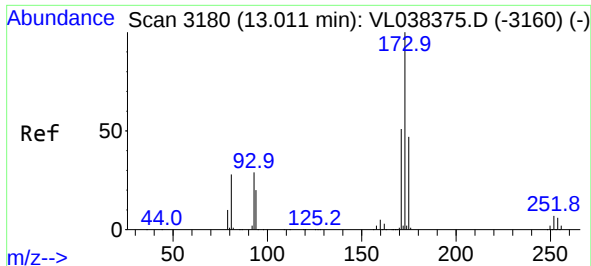


#48  
Dibromochloromethane  
Concen: 10.762 ppbv  
RT: 10.282 min Scan# 2331  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



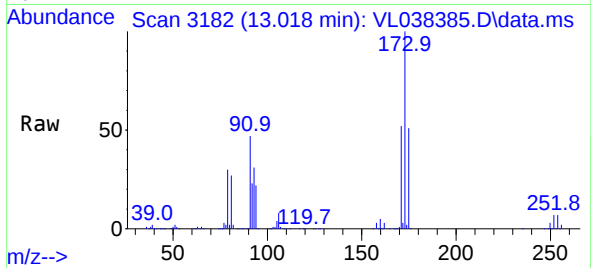
Tgt Ion:129 Resp: 1386159  
Ion Ratio Lower Upper  
129 100  
127 80.5 39.4 118.1





#49  
Bromoform  
Concen: 11.295 ppbv  
RT: 13.018 min Scan# 3180  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

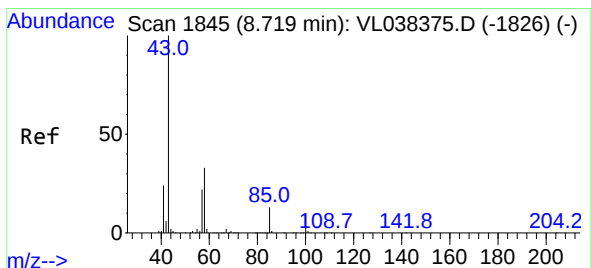
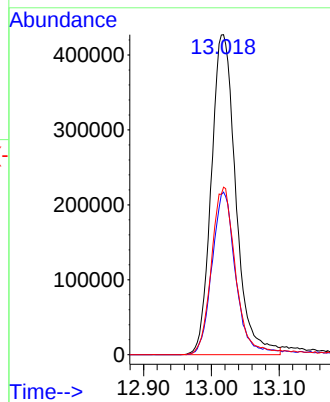
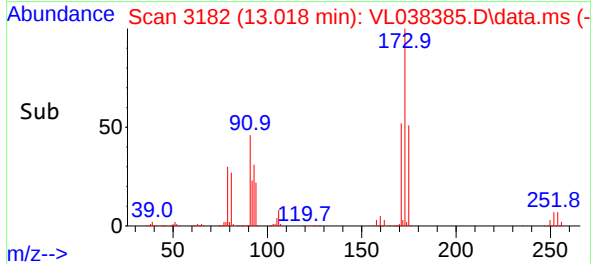
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



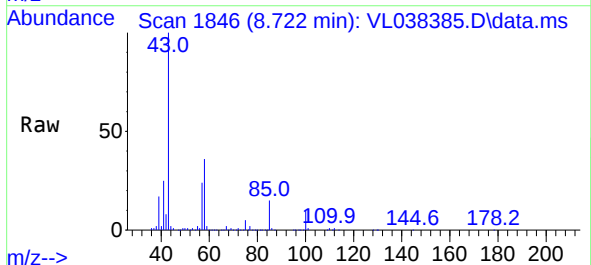
Tgt Ion: 173 Resp: 1073828  
Ion Ratio Lower Upper  
173 100  
175 49.4 40.2 60.2  
171 52.7 42.7 64.1

Manual Integrations  
APPROVED

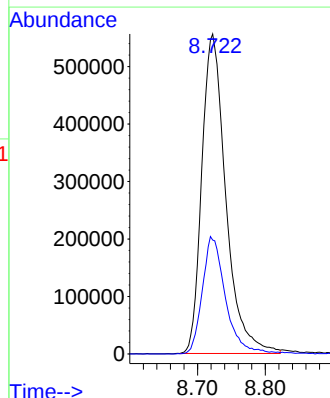
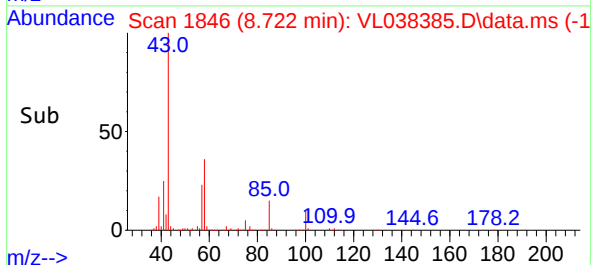
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

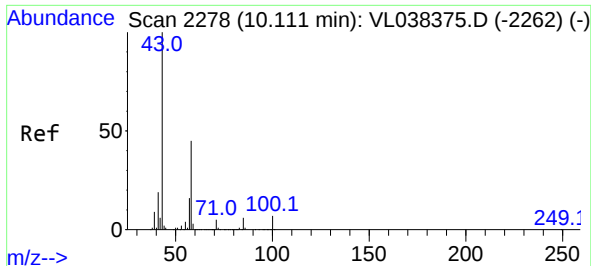


#50  
4-Methyl-2-Pentanone  
Concen: 10.903 ppbv  
RT: 8.722 min Scan# 1846  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



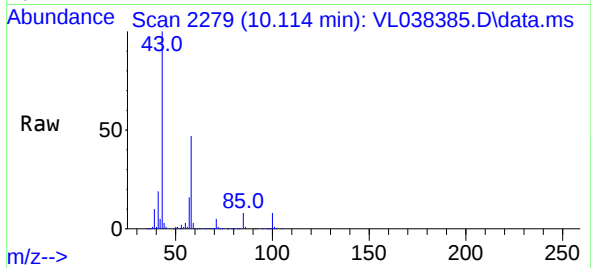
Tgt Ion: 43 Resp: 1368970  
Ion Ratio Lower Upper  
43 100  
58 35.8 27.7 41.5





#51  
2-Hexanone  
Concen: 11.072 ppbv  
RT: 10.114 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

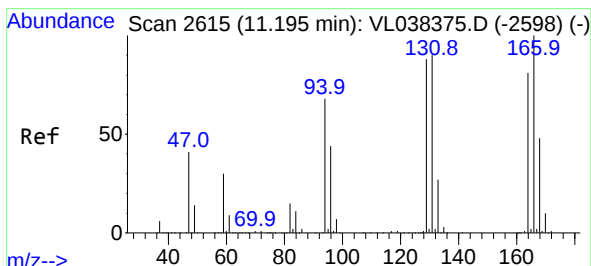
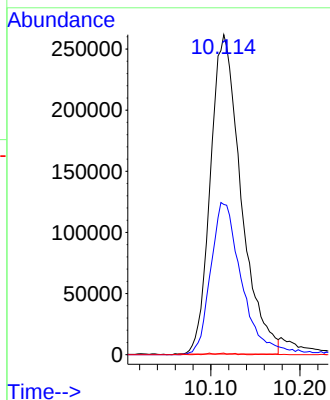
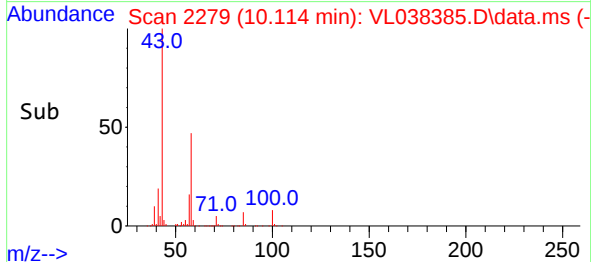
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



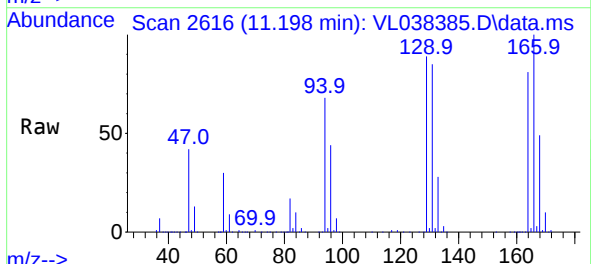
Tgt Ion: 43 Resp: 62238  
Ion Ratio Lower Upper  
43 100  
58 49.1 37.4 56.0  
98 0.3 0.1 0.1

Manual Integrations  
APPROVED

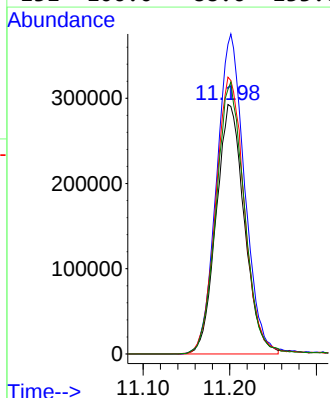
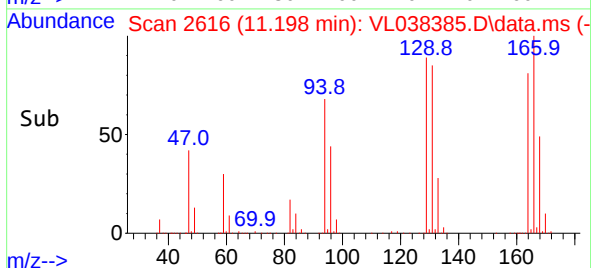
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

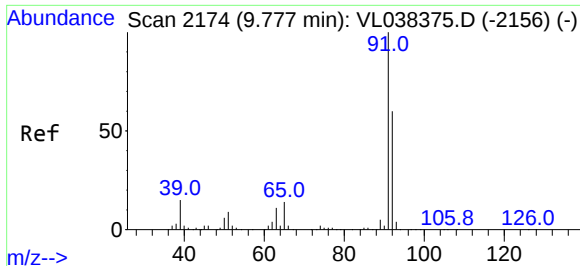


#52  
Tetrachloroethene  
Concen: 10.008 ppbv  
RT: 11.198 min Scan# 2616  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



Tgt Ion:164 Resp: 660439  
Ion Ratio Lower Upper  
164 100  
166 124.1 98.6 148.0  
129 111.0 86.9 130.3  
131 106.0 88.6 133.0





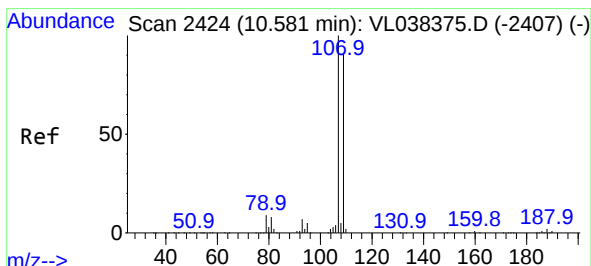
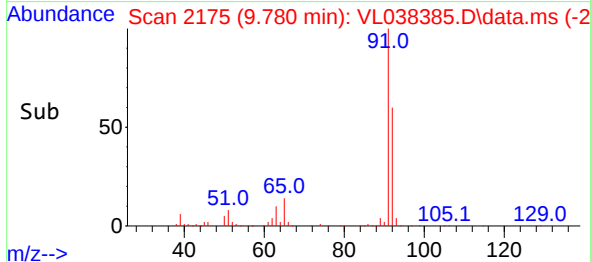
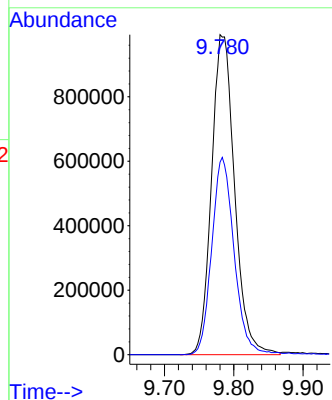
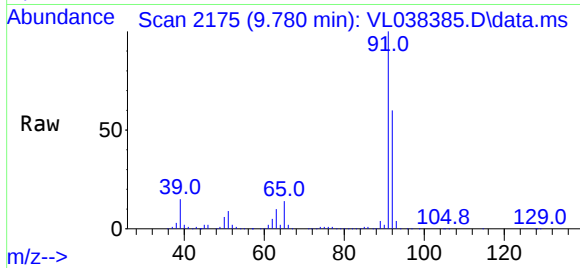
#53  
Toluene  
Concen: 10.635 ppbv  
RT: 9.780 min Scan# 2174  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02

Tgt Ion: 91 Resp: 229530  
Ion Ratio Lower Upper  
91 100  
92 60.5 48.2 72.4

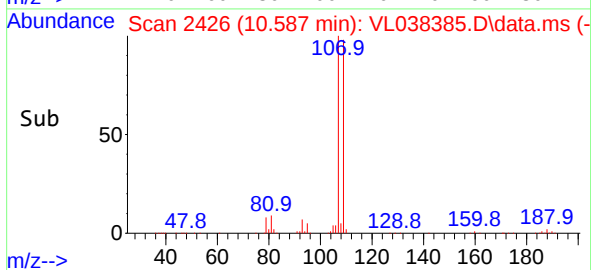
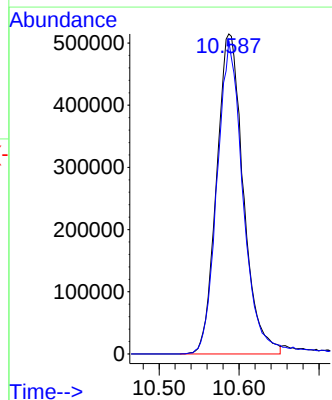
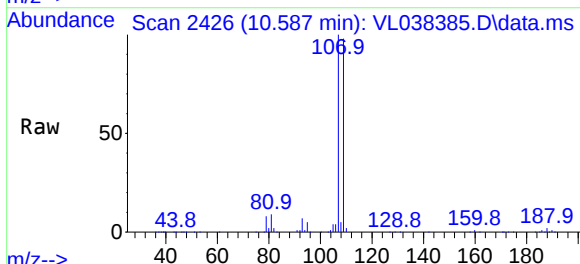
Manual Integrations  
APPROVED

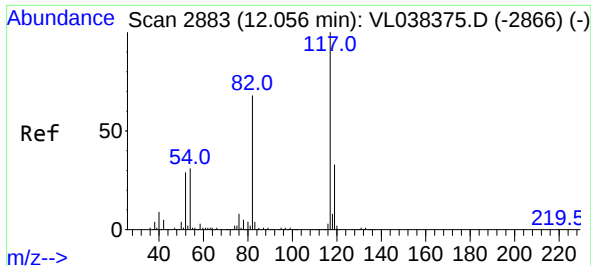
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#54  
1,2-Dibromoethane  
Concen: 10.761 ppbv  
RT: 10.587 min Scan# 2426  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Tgt Ion:107 Resp: 1193191  
Ion Ratio Lower Upper  
107 100  
109 97.7 73.0 109.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.063 min Scan# 2883

Delta R.T. 0.006 min

Lab File: VL038385.D

Acq: 22 Feb 2022 11:45

Instrument :

MSVOA\_L

ClientSampleId :

VL0222ABS02

Tgt Ion:117 Resp: 216316

Ion Ratio Lower Upper

117 100

82 67.6 54.9 82.3

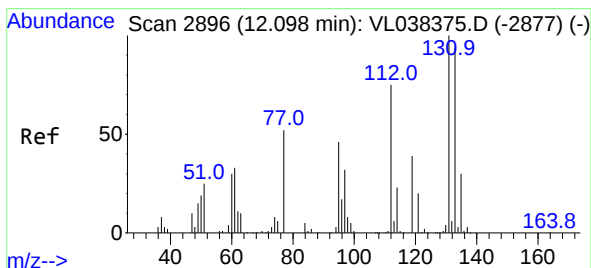
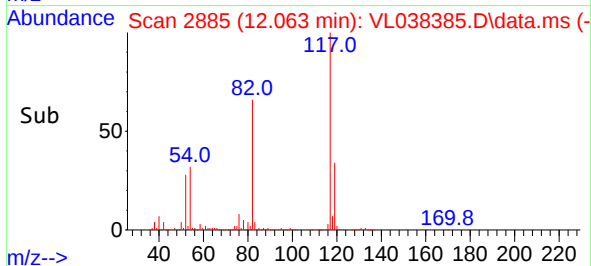
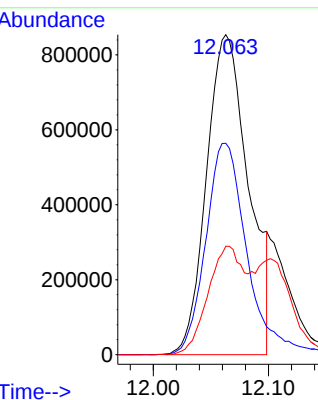
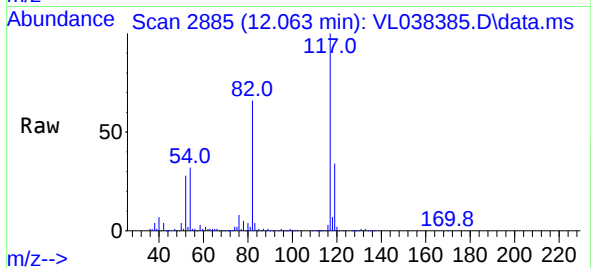
119 33.0 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022

Supervised By :Amit Patel 02/23/2022



#56

1,1,1,2-Tetrachloroethane

Concen: 9.772 ppbv

RT: 12.101 min Scan# 2897

Delta R.T. 0.003 min

Lab File: VL038385.D

Acq: 22 Feb 2022 11:45

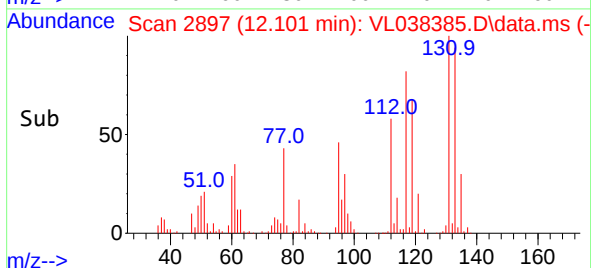
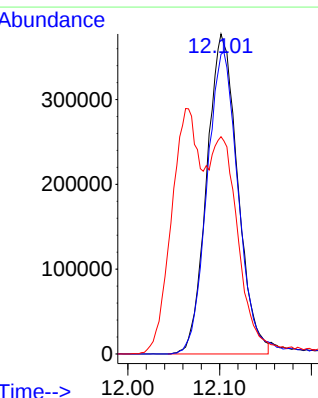
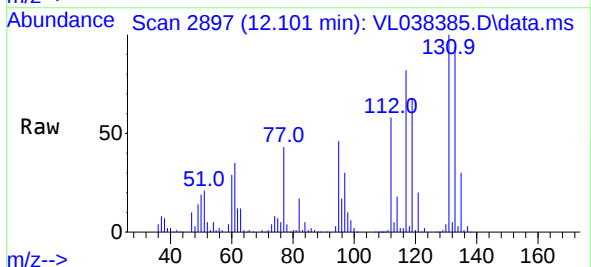
Tgt Ion:131 Resp: 881104

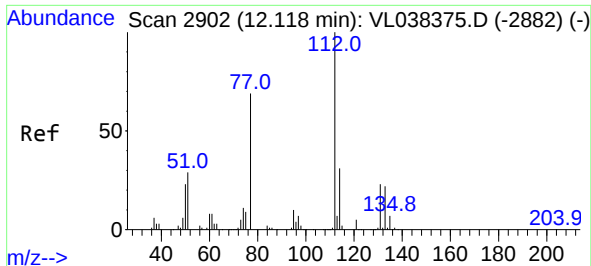
Ion Ratio Lower Upper

131 100

133 99.5 77.3 115.9

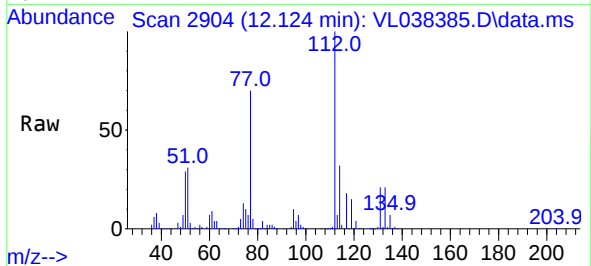
119 66.0 48.6 73.0





#57  
Chlorobenzene  
Concen: 9.487 ppbv  
RT: 12.124 min Scan# 2904  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

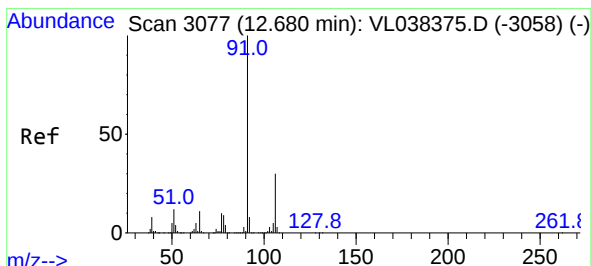
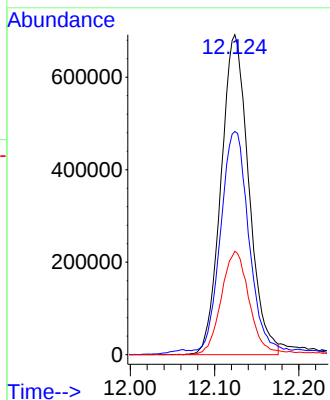
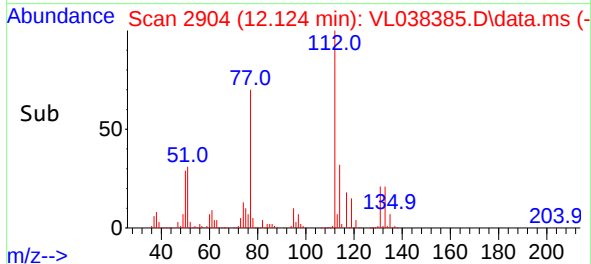
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



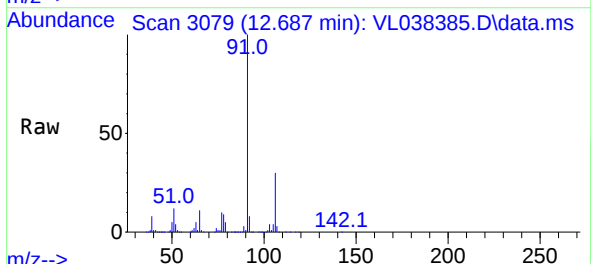
Tgt Ion: 112 Resp: 1583340  
Ion Ratio Lower Upper  
112 100  
77 68.5 55.2 82.8  
114 32.2 27.9 34.1

Manual Integrations  
APPROVED

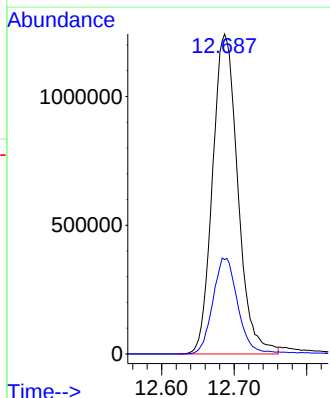
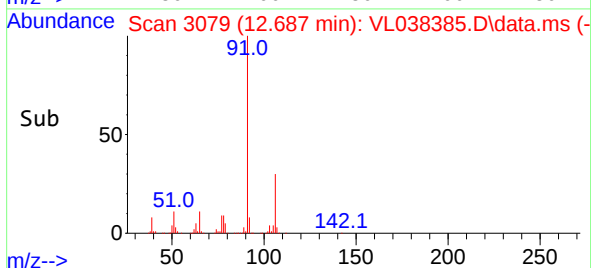
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

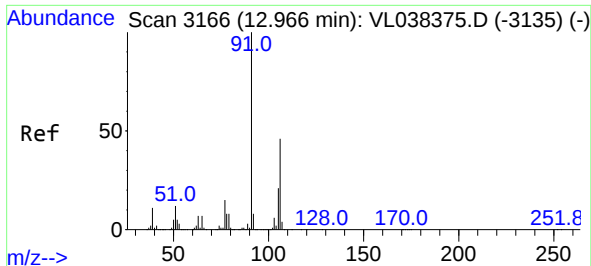


#58  
Ethyl Benzene  
Concen: 10.189 ppbv  
RT: 12.687 min Scan# 3079  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



Tgt Ion: 91 Resp: 3013814  
Ion Ratio Lower Upper  
91 100  
106 29.5 24.0 36.0





#59

m/p-Xylene

Concen: 20.089 ppbv m

RT: 12.973 min Scan# 3166

Delta R.T. 0.006 min

Lab File: VL038385.D

Acq: 22 Feb 2022 11:45

Instrument :

MSVOA\_L

ClientSampleId :

VL0222ABS02

Tgt Ion: 91 Resp: 510332

Ion Ratio Lower Upper

91 100

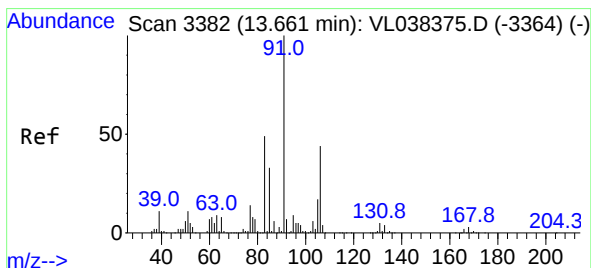
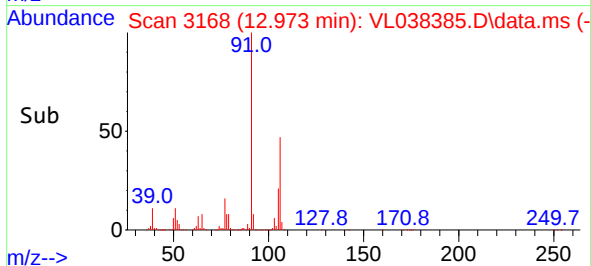
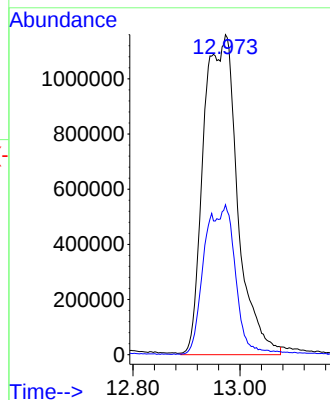
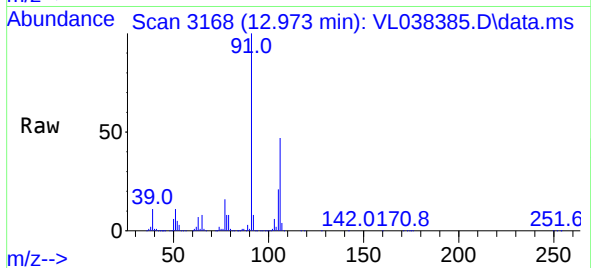
106 43.5 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022

Supervised By :Amit Patel 02/23/2022



#60

o-Xylene

Concen: 9.868 ppbv

RT: 13.667 min Scan# 3384

Delta R.T. 0.006 min

Lab File: VL038385.D

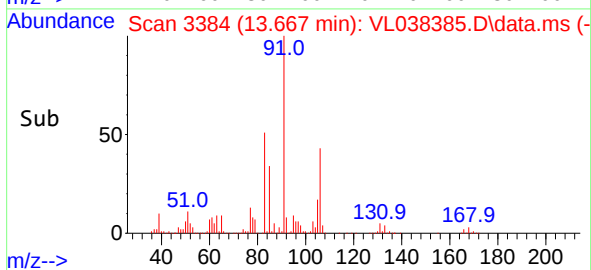
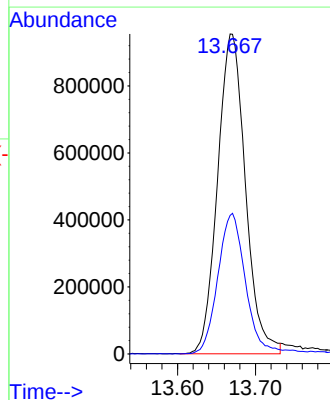
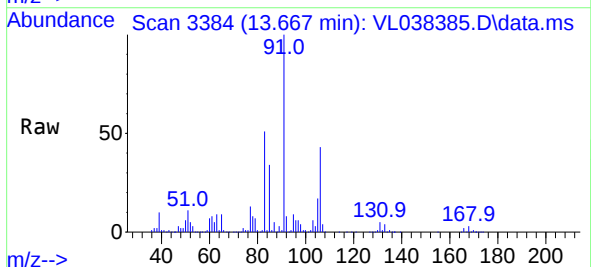
Acq: 22 Feb 2022 11:45

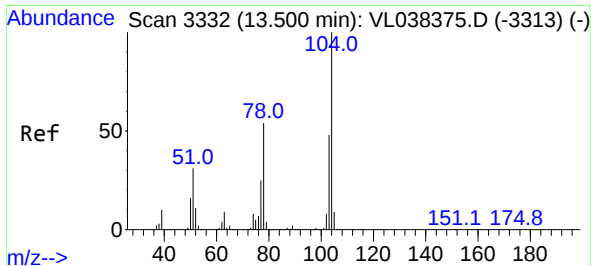
Tgt Ion: 91 Resp: 2369777

Ion Ratio Lower Upper

91 100

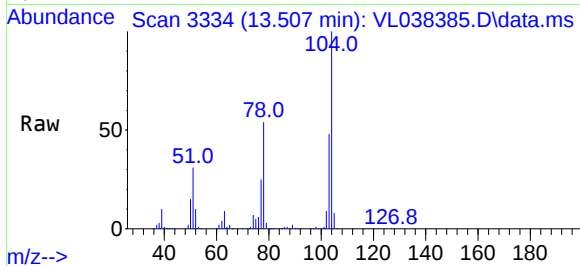
106 45.0 21.9 65.5





#61  
Styrene  
Concen: 10.972 ppbv  
RT: 13.507 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

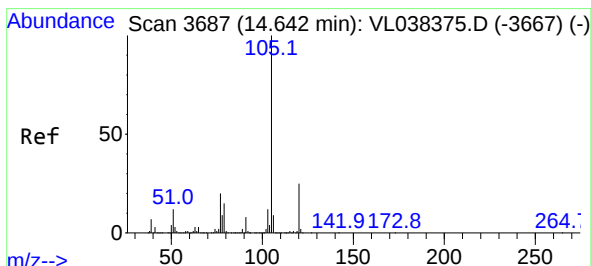
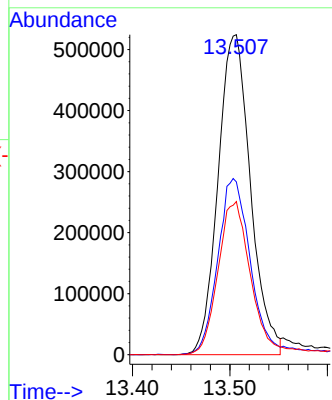
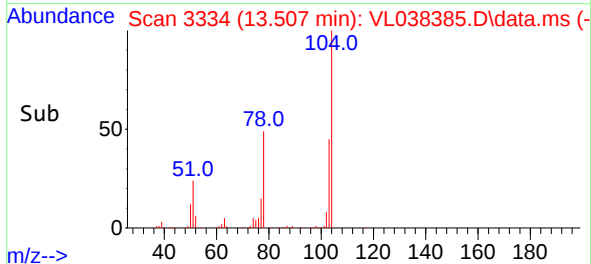
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



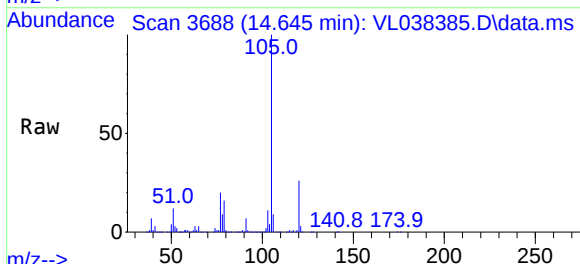
Tgt Ion:104 Resp: 121526  
Ion Ratio Lower Upper  
104 100  
78 57.1 44.2 66.4  
103 49.6 38.4 57.6

Manual Integrations  
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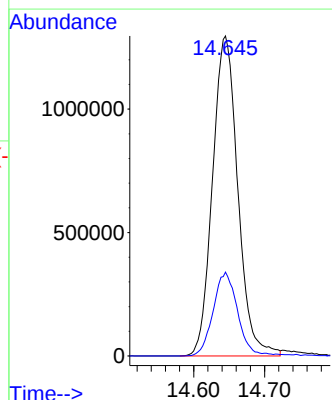
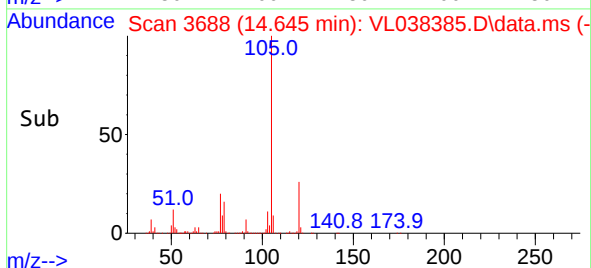
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

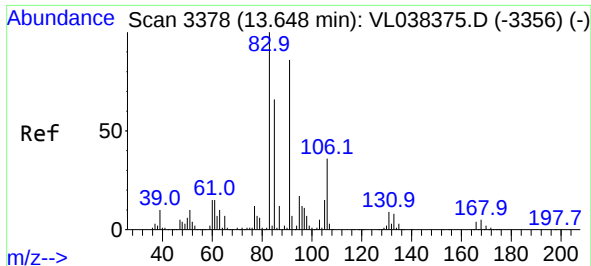


#62  
Isopropylbenzene  
Concen: 9.971 ppbv  
RT: 14.645 min Scan# 3688  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



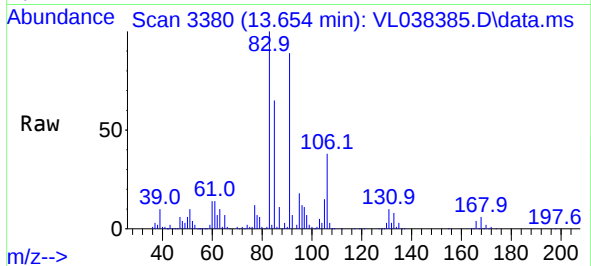
Tgt Ion:105 Resp: 3213956  
Ion Ratio Lower Upper  
105 100  
120 25.8 20.6 30.8





#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.988 ppbv  
RT: 13.654 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

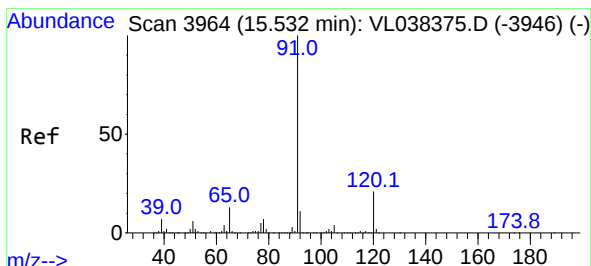
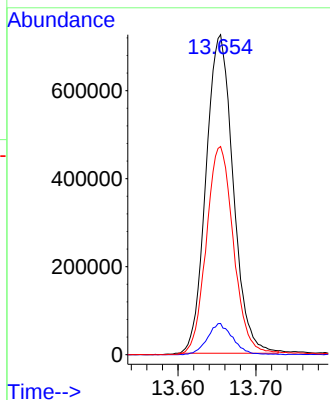
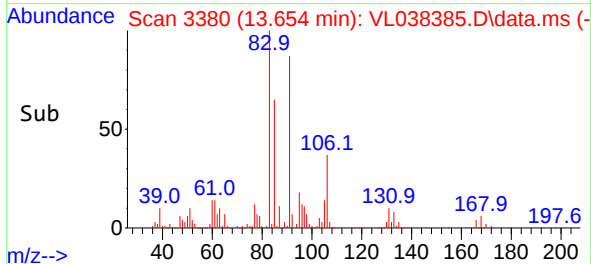
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



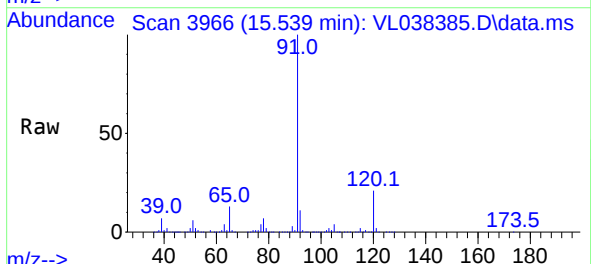
Tgt Ion: 83 Resp: 175370  
Ion Ratio Lower Upper  
83 100  
131 9.3 4.5 13.7  
85 66.8 33.0 99.0

Manual Integrations  
APPROVED

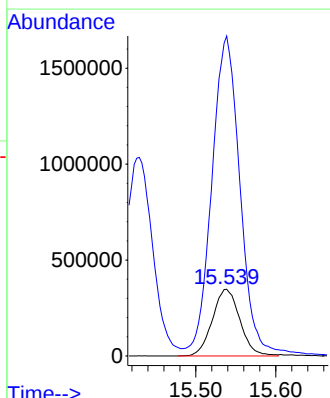
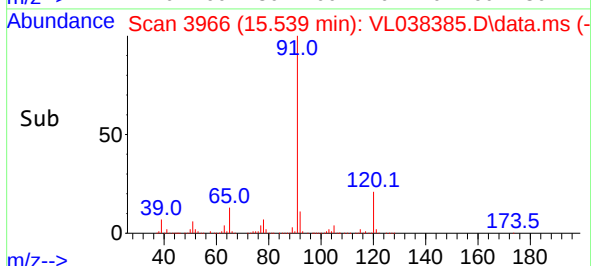
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

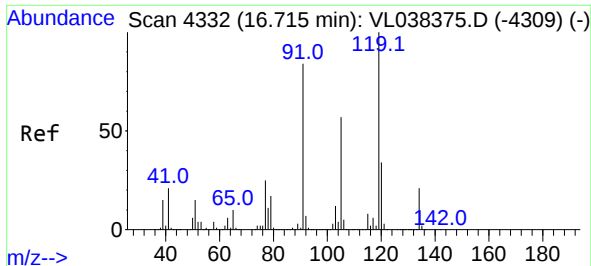


#64  
n-propylbenzene  
Concen: 10.412 ppbv  
RT: 15.539 min Scan# 3966  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



Tgt Ion:120 Resp: 830942  
Ion Ratio Lower Upper  
120 100  
91 495.0 388.1 582.1





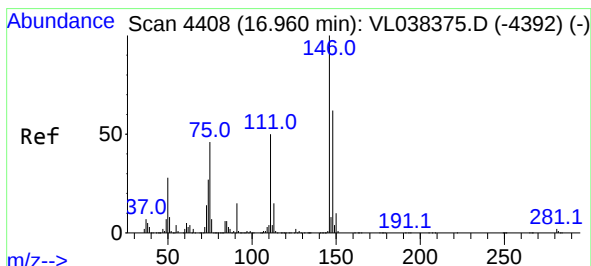
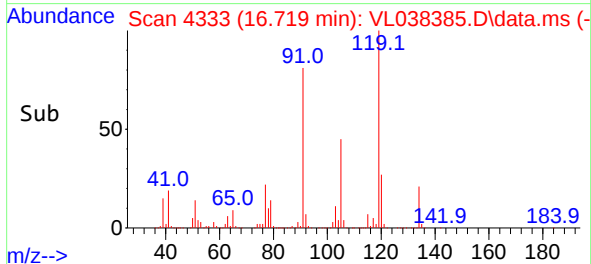
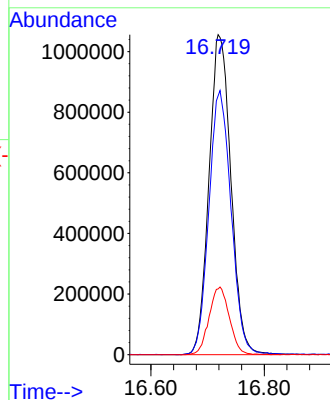
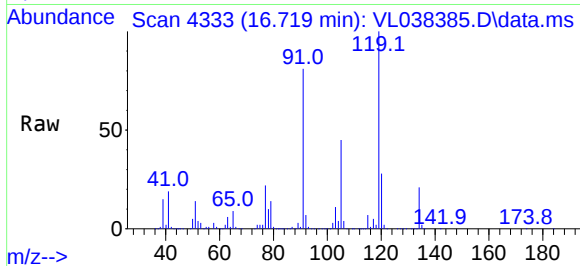
#65  
tert-Butylbenzene  
Concen: 10.152 ppbv  
RT: 16.719 min Scan# 411  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02

Tgt Ion: 119 Resp: 283414  
Ion Ratio Lower Upper  
119 100  
91 83.7 68.0 102.0  
134 19.6 15.8 23.8

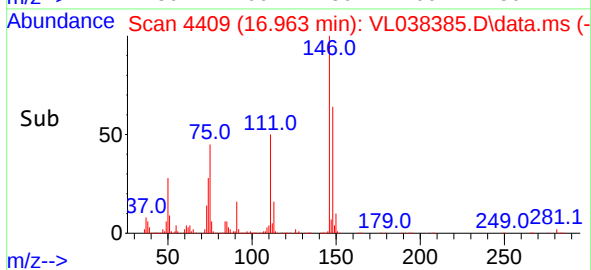
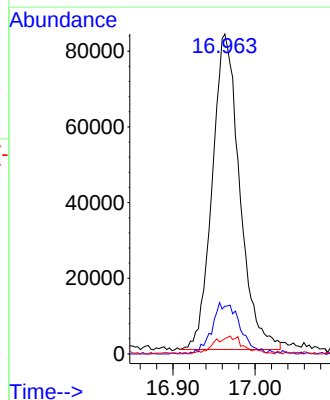
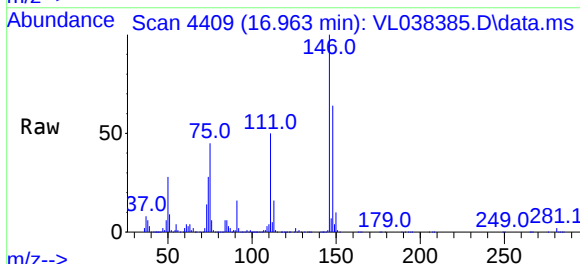
Manual Integrations  
APPROVED

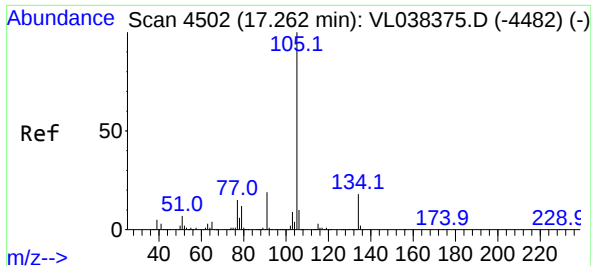
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#66  
Benzyl Chloride  
Concen: 12.857 ppbv  
RT: 16.963 min Scan# 4409  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Tgt Ion: 91 Resp: 193947  
Ion Ratio Lower Upper  
91 100  
126 17.1 12.3 18.5  
128 6.0 4.2 6.4





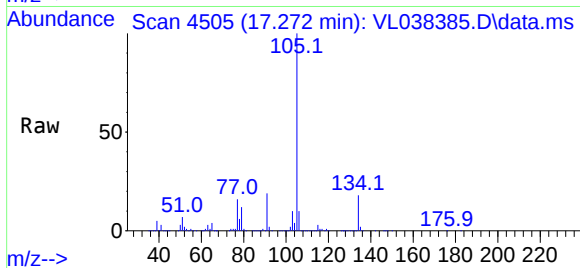
#67  
 sec-Butylbenzene  
 Concen: 10.077 ppbv  
 RT: 17.272 min Scan# 41  
 Delta R.T. 0.010 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45

Instrument :

MSVOA\_L

ClientSampleId :

VL0222ABS02

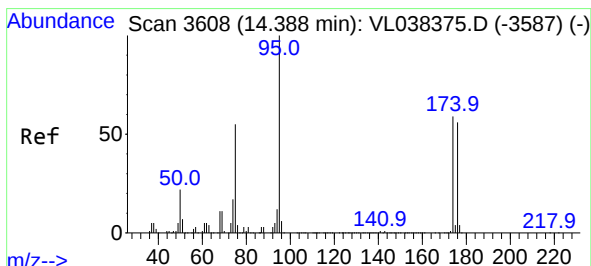
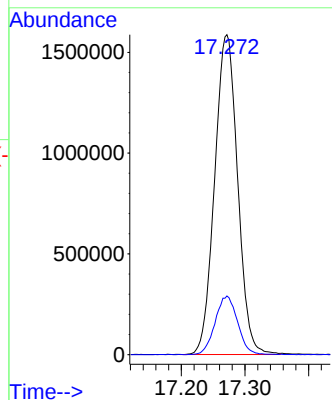
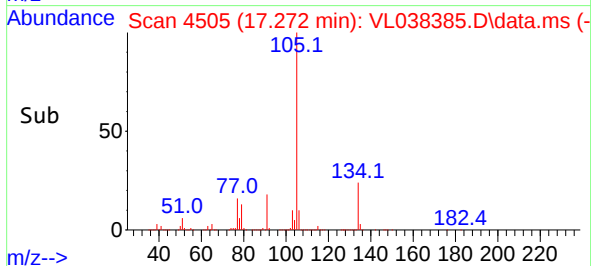


Tgt Ion:105 Resp: 398584  
 Ion Ratio Lower Upper  
 105 100  
 134 18.1 14.6 21.8

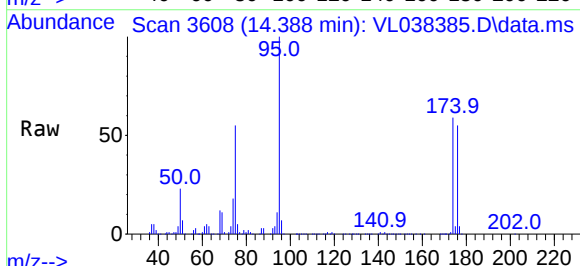
Manual Integrations

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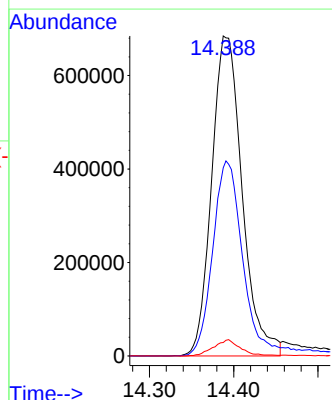
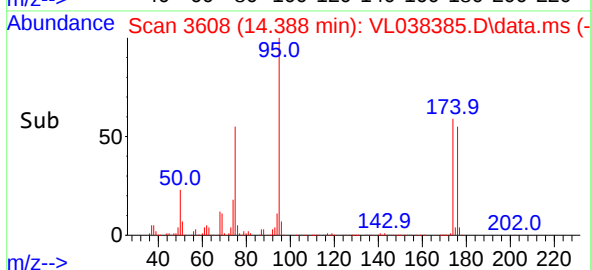
Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022

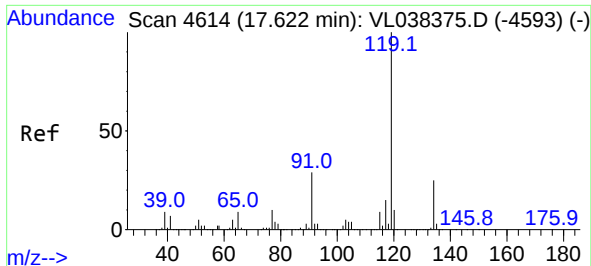


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.621 ppbv  
 RT: 14.388 min Scan# 3608  
 Delta R.T. 0.000 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45



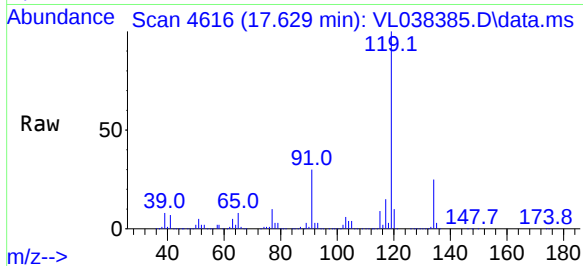
Tgt Ion: 95 Resp: 1721997  
 Ion Ratio Lower Upper  
 95 100  
 174 63.0 49.0 73.4  
 175 4.8 3.6 5.4





#69  
p-Isopropyltoluene  
Concen: 10.526 ppbv  
RT: 17.629 min Scan# 4616  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

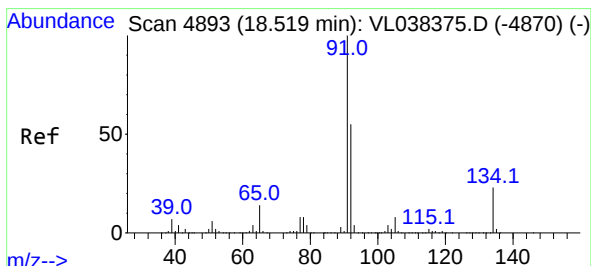
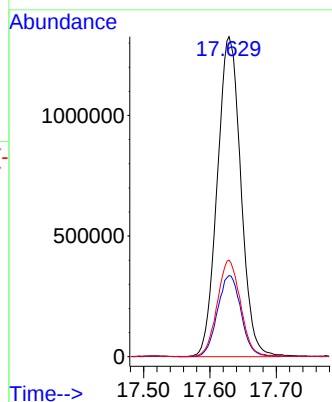
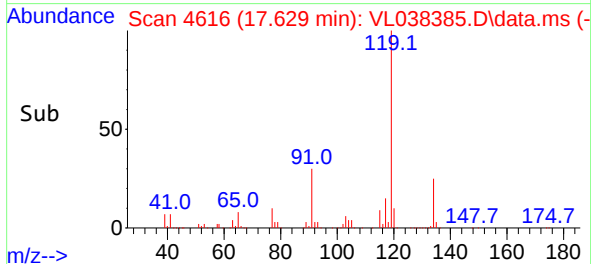
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



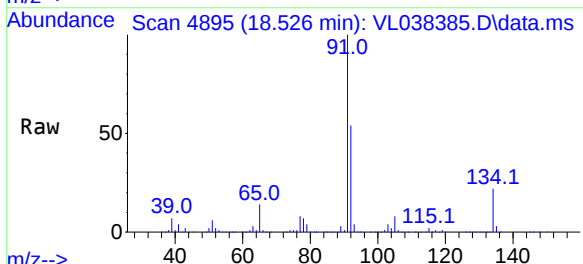
Tgt Ion:119 Resp: 3270470  
Ion Ratio Lower Upper  
119 100  
134 25.4 20.4 30.6  
91 29.9 23.8 35.8

Manual Integrations  
APPROVED

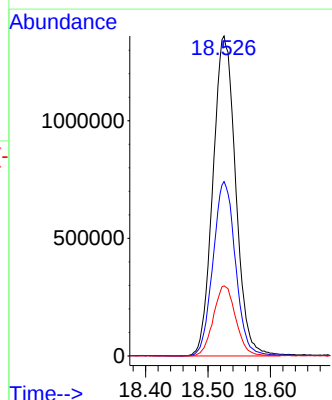
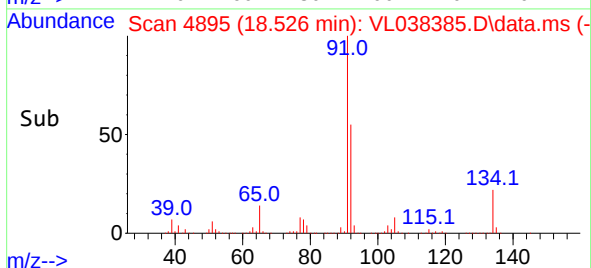
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

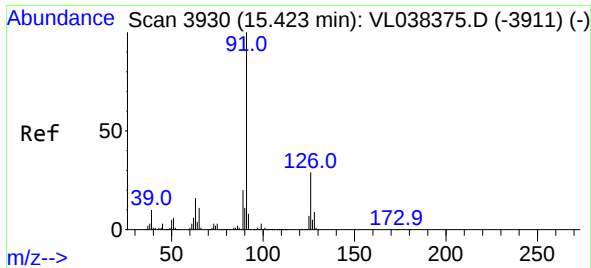


#70  
n-Butylbenzene  
Concen: 10.702 ppbv  
RT: 18.526 min Scan# 4895  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



Tgt Ion: 91 Resp: 3440957  
Ion Ratio Lower Upper  
91 100  
92 54.1 43.1 64.7  
134 21.7 17.4 26.0





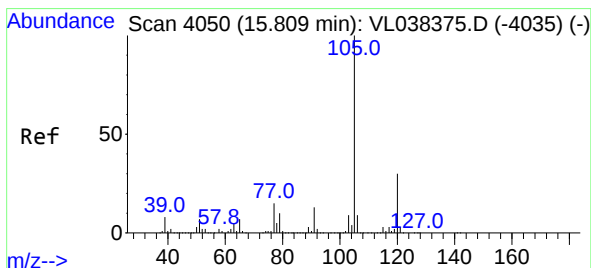
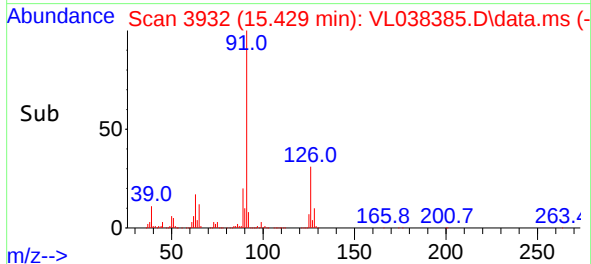
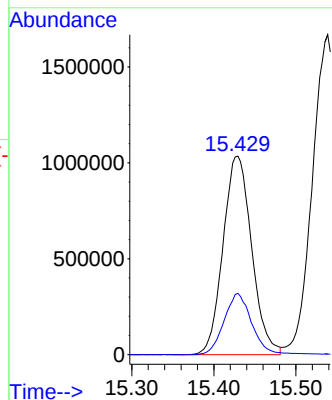
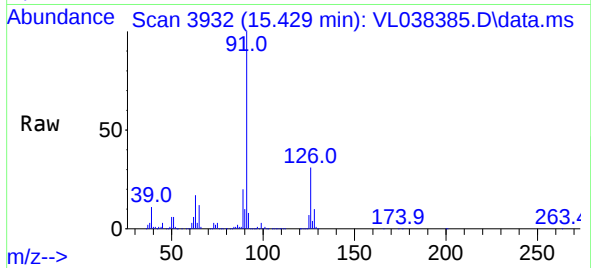
#71  
2-Chlorotoluene  
Concen: 10.150 ppbv  
RT: 15.429 min Scan# 3911  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02

Tgt Ion: 91 Resp: 2515500  
Ion Ratio Lower Upper  
91 100  
126 30.5 11.9 47.7

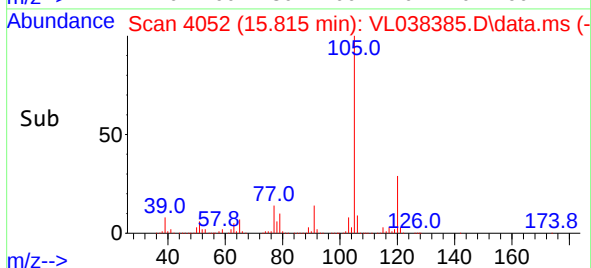
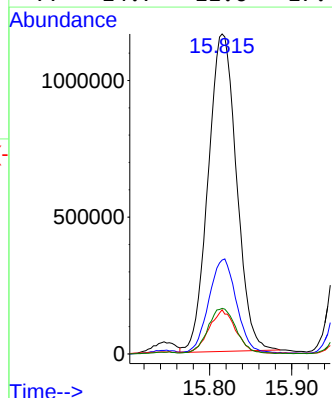
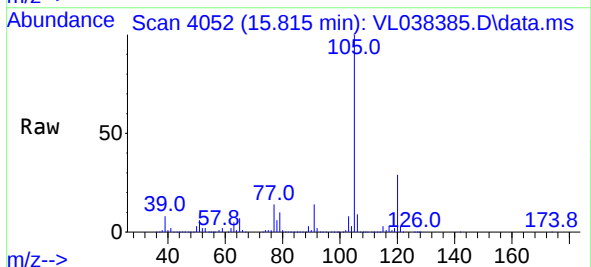
Manual Integrations  
APPROVED

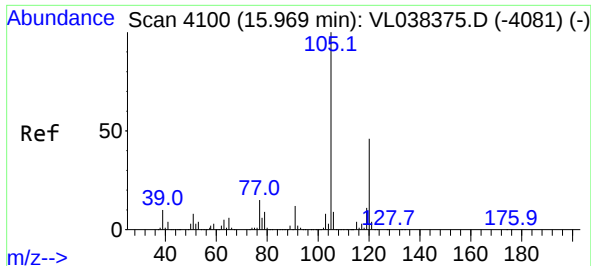
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#72  
4-Ethyltoluene  
Concen: 10.527 ppbv  
RT: 15.815 min Scan# 4052  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

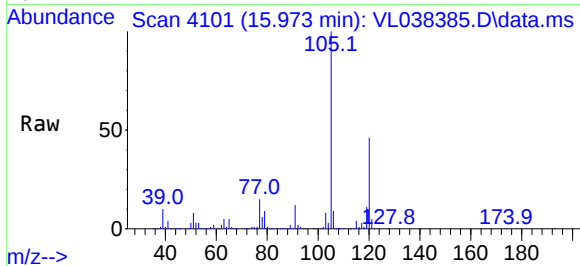
Tgt Ion:105 Resp: 2785479  
Ion Ratio Lower Upper  
105 100  
120 29.9 23.4 35.2  
91 13.0 10.4 15.6  
77 14.7 11.6 17.4





#73  
1,3,5-Trimethylbenzene  
Concen: 10.471 ppbv  
RT: 15.973 min Scan# 4100  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

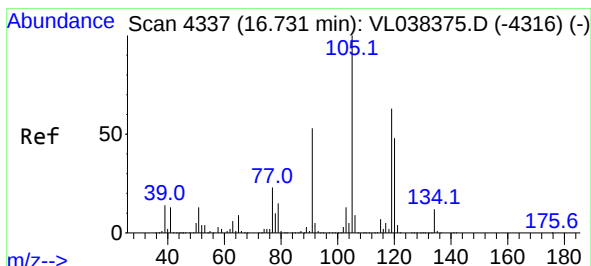
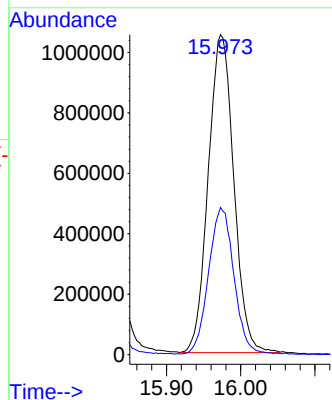
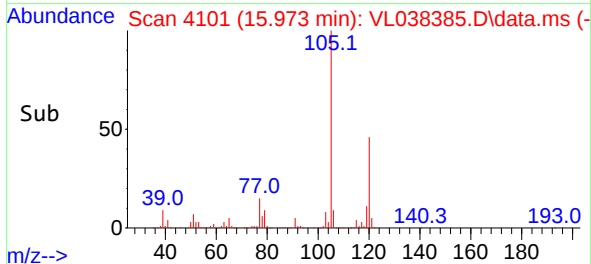
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



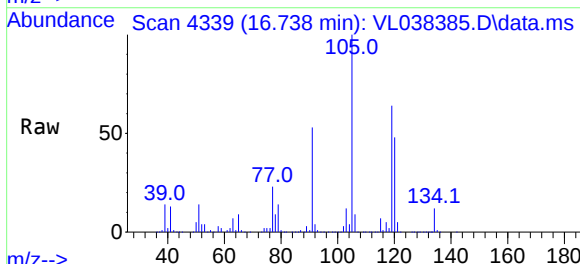
Tgt Ion:105 Resp: 2516109  
Ion Ratio Lower Upper  
105 100  
120 46.0 36.6 55.0

Manual Integrations  
APPROVED

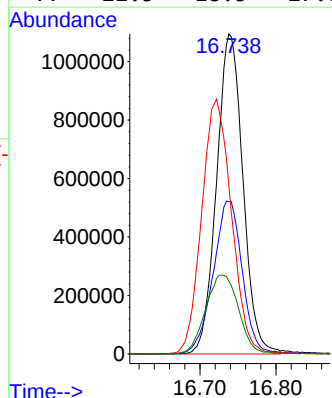
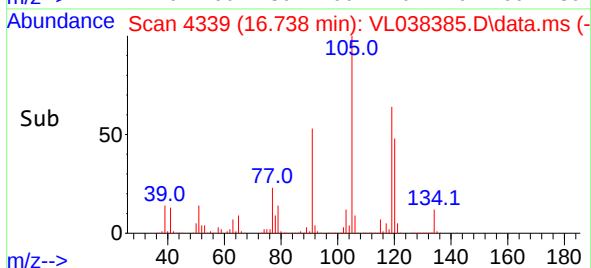
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

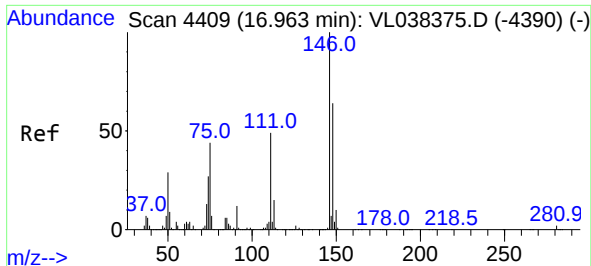


#74  
1,2,4-Trimethylbenzene  
Concen: 10.381 ppbv  
RT: 16.738 min Scan# 4339  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



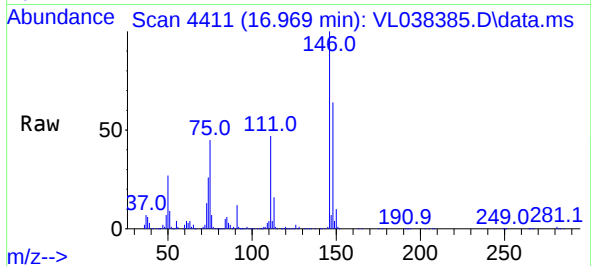
Tgt Ion:105 Resp: 2633581  
Ion Ratio Lower Upper  
105 100  
120 47.3 38.2 57.4  
91 52.2 42.7 64.1  
77 22.5 18.5 27.7





#75  
1,3-Dichlorobenzene  
Concen: 10.479 ppbv  
RT: 16.969 min Scan# 4411  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

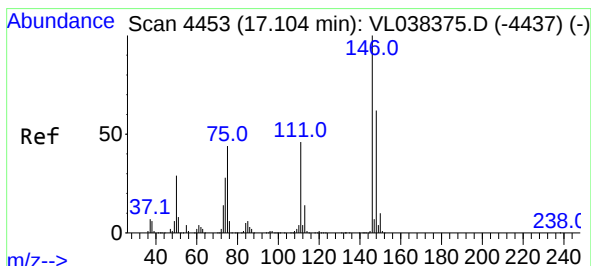
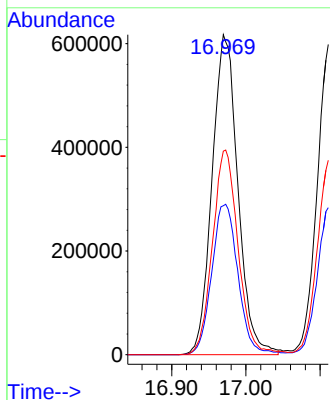
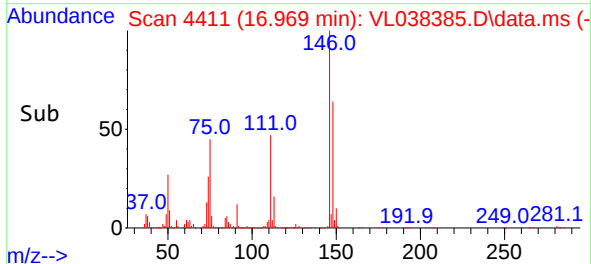
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



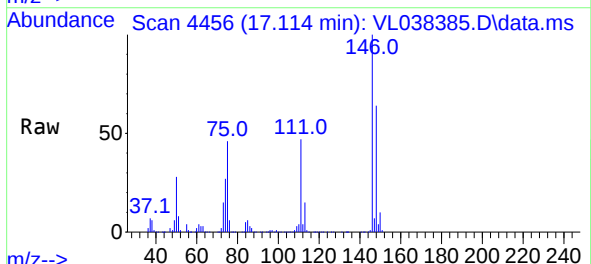
Tgt Ion:146 Resp: 148895  
Ion Ratio Lower Upper  
146 100  
111 48.1 24.3 72.9  
148 63.7 32.0 96.0

Manual Integrations  
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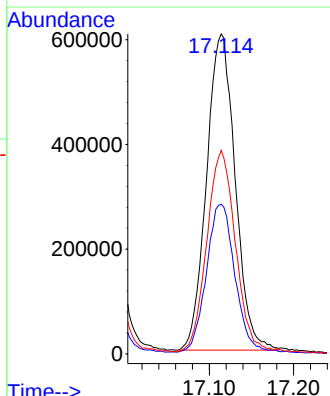
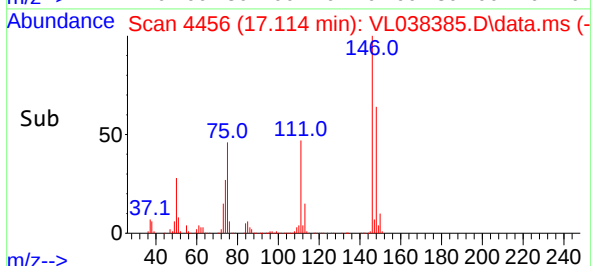
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

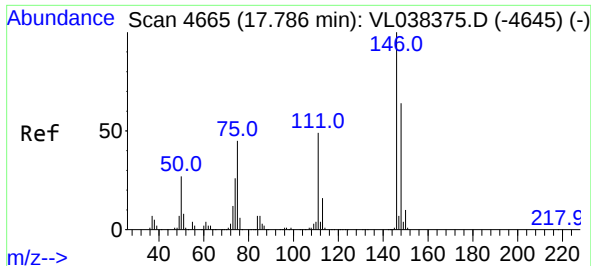


#76  
1,4-Dichlorobenzene  
Concen: 10.174 ppbv  
RT: 17.114 min Scan# 4456  
Delta R.T. 0.010 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



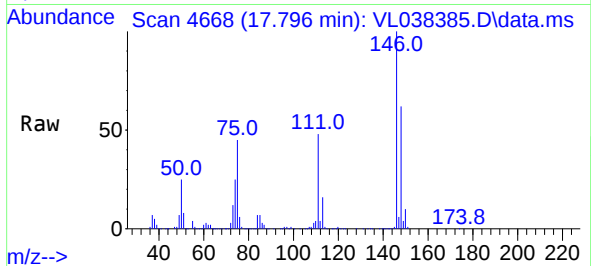
Tgt Ion:146 Resp: 1425616  
Ion Ratio Lower Upper  
146 100  
111 48.5 24.1 72.2  
148 66.1 32.8 98.4





#77  
1,2-Dichlorobenzene  
Concen: 10.384 ppbv  
RT: 17.796 min Scan# 4668  
Delta R.T. 0.010 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

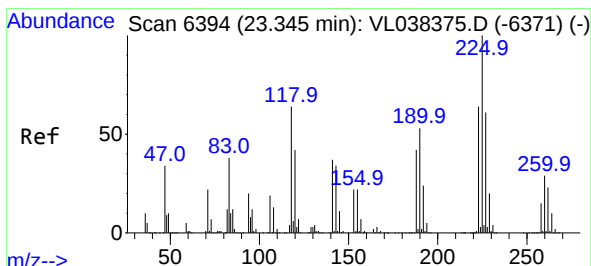
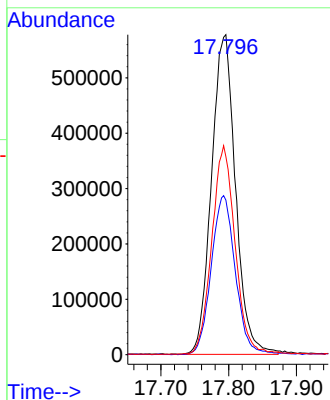
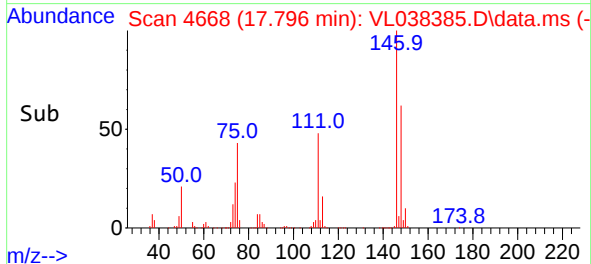
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



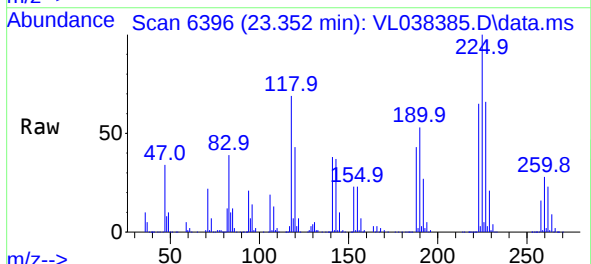
Tgt Ion:146 Resp: 1420228  
Ion Ratio Lower Upper  
146 100  
111 50.1 25.6 76.6  
148 63.7 32.4 97.2

Manual Integrations  
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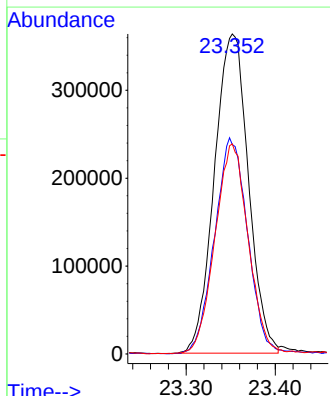
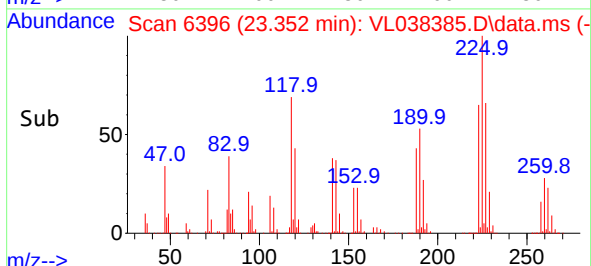
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

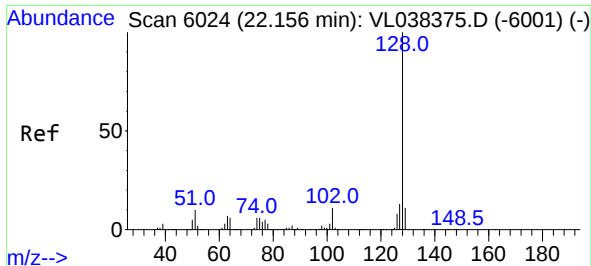


#78  
Hexachloro-1,3-Butadiene  
Concen: 9.252 ppbv  
RT: 23.352 min Scan# 6396  
Delta R.T. 0.006 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



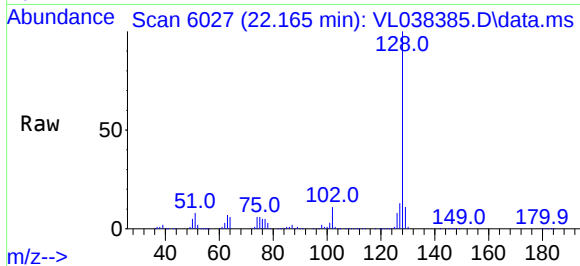
Tgt Ion:225 Resp: 965146  
Ion Ratio Lower Upper  
225 100  
223 66.2 52.0 78.0  
227 64.1 51.6 77.4





#79  
Naphthalene  
Concen: 13.500 ppbv  
RT: 22.165 min Scan# 6027  
Delta R.T. 0.010 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45

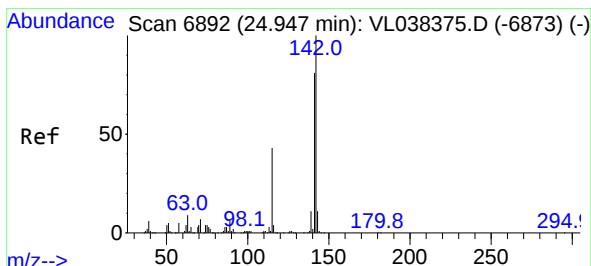
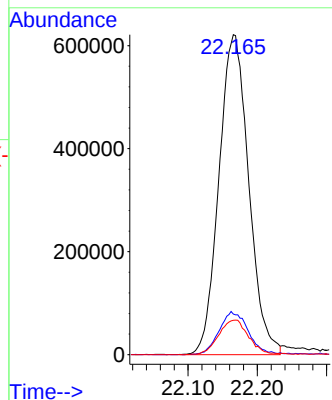
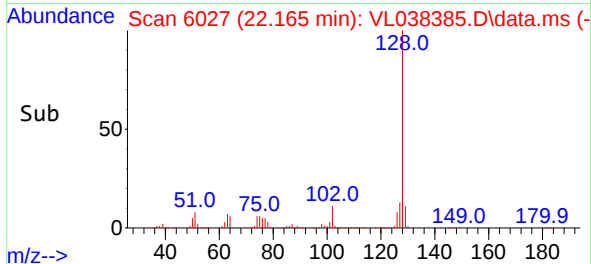
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0222ABS02



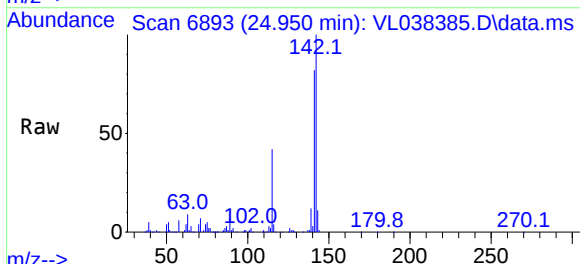
Tgt Ion:128 Resp: 185563  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.7 16.1  
129 10.7 8.8 13.2

Manual Integrations  
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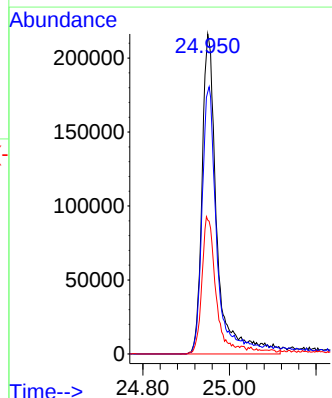
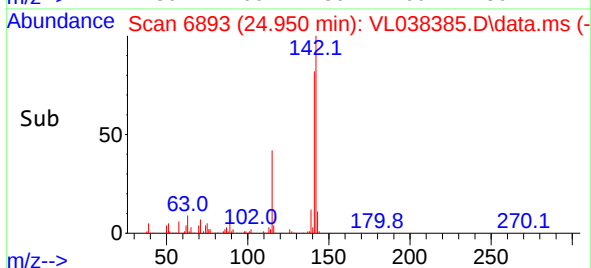
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

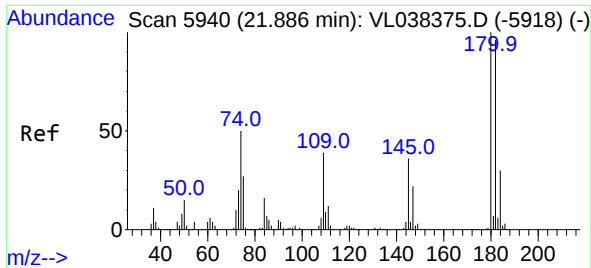


#80  
Naphthalene,2-methyl-  
Concen: 19.211 ppbv  
RT: 24.950 min Scan# 6893  
Delta R.T. 0.003 min  
Lab File: VL038385.D  
Acq: 22 Feb 2022 11:45



Tgt Ion:142 Resp: 516061  
Ion Ratio Lower Upper  
142 100  
141 83.2 69.8 104.6  
115 43.0 33.0 49.6





#81  
 1,2,4-Trichlorobenzene  
 Concen: 12.298 ppbv  
 RT: 21.895 min Scan# 5943  
 Delta R.T. 0.010 min  
 Lab File: VL038385.D  
 Acq: 22 Feb 2022 11:45

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0222ABS02

Tgt Ion:180 Resp: 1022070  
 Ion Ratio Lower Upper  
 180 100  
 182 97.4 77.4 116.2  
 184 31.7 24.9 37.3

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022

