

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL082522\  
 Data File : VL039581.D  
 Acq On : 25 Aug 2022 17:00  
 Operator : SY/AP  
 Sample : VL0825ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0825ABS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022  
 Supervised By :Semsettin Yesilyurt 08/29/2022

Quant Time: Aug 26 06:20:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081722AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.205  | 49   | 1068327  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.664  | 114  | 2830306  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.471 | 117  | 2697111  | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1986559 9.763 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.600%

Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.748 | 85  | 1137442 | 8.001  | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 2.693 | 51  | 1202895 | 9.451  | ppbv   | 96     |
| 4) Chloromethane              | 2.832 | 50  | 722430  | 9.423  | ppbv   | 99     |
| 5) Vinyl Chloride             | 2.941 | 62  | 639873  | 10.341 | ppbv   | 99     |
| 6) Bromomethane               | 3.137 | 94  | 244155  | 9.304  | ppbv   | 98     |
| 7) Chloroethane               | 3.217 | 64  | 234881  | 10.132 | ppbv   | 93     |
| 8) Dichlorotetrafluoroethane  | 2.877 | 85  | 1447266 | 9.516  | ppbv   | 96     |
| 9) Propene                    | 2.713 | 41  | 587779  | 10.092 | ppbv   | 97     |
| 10) Heptane                   | 7.587 | 43  | 1409493 | 10.450 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.581 | 101 | 1490782 | 9.555  | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluo... | 4.082 | 101 | 1115153 | 9.663  | ppbv   | 98     |
| 13) Ethanol                   | 3.256 | 45  | 34249m  | 8.182  | ppbv   |        |
| 14) Bromoethene               | 3.385 | 108 | 469342  | 9.954  | ppbv   | 97     |
| 15) Acetone                   | 3.484 | 43  | 1146215 | 9.578  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 3.005 | 39  | 622032  | 9.961  | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 3.893 | 59  | 1053236 | 10.312 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 3.899 | 96  | 502287  | 9.664  | ppbv   | 98     |
| 19) Isopropyl Alcohol         | 3.594 | 45  | 621037  | 10.668 | ppbv # | 97     |
| 20) Methylene Chloride        | 3.947 | 84  | 410714  | 8.448  | ppbv   | 96     |
| 21) Allyl Chloride            | 4.012 | 41  | 792460  | 10.180 | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 4.459 | 96  | 495066  | 9.576  | ppbv   | 97     |
| 23) Vinyl Acetate             | 4.642 | 43  | 578935  | 10.174 | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 4.578 | 63  | 1014685 | 9.634  | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.217 | 43  | 2545750 | 9.942  | ppbv   | 99     |
| 26) Hexane                    | 5.224 | 57  | 1055832 | 10.103 | ppbv   | 97     |
| 27) Carbon Disulfide          | 4.140 | 76  | 1276484 | 11.433 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 4.600 | 73  | 878148  | 9.740  | ppbv   | 98     |
| 29) Chloroform                | 5.288 | 83  | 1568903 | 9.599  | ppbv   | 100    |
| 30) Cyclohexane               | 6.613 | 84  | 882026  | 10.192 | ppbv   | 95     |
| 31) cis-1,2-Dichloroethene    | 5.092 | 61  | 1025848 | 10.134 | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane     | 6.015 | 97  | 1533612 | 10.666 | ppbv   | 99     |
| 34) 2-Butanone                | 4.803 | 43  | 1466281 | 10.421 | ppbv   | 98     |
| 35) Carbon Tetrachloride      | 6.503 | 117 | 1672566 | 10.932 | ppbv   | 99     |
| 36) Benzene                   | 6.381 | 78  | 2216037 | 10.271 | ppbv   | 96     |
| 37) 1,2-Dichloroethane        | 5.819 | 62  | 1170758 | 9.851  | ppbv   | 98     |
| 38) Trichloroethene           | 7.298 | 130 | 1242684 | 10.750 | ppbv   | 100    |
| 39) 1,2-Dichloropropane       | 7.079 | 63  | 844875  | 10.416 | ppbv   | 97     |
| 40) 1,4-Dioxane               | 7.298 | 88  | 346968  | 10.925 | ppbv   | 94     |
| 41) Tetrahydrofuran           | 5.568 | 42  | 892907  | 10.623 | ppbv   | 98     |
| 42) Bromodichloromethane      | 7.256 | 83  | 1746344 | 10.739 | ppbv   | 98     |
| 43) Methyl Methacrylate       | 7.484 | 69  | 873269  | 11.225 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 7.333 | 57  | 3713535 | 10.210 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 8.716 | 75  | 855836  | 12.632 | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL082522\  
 Data File : VL039581.D  
 Acq On : 25 Aug 2022 17:00  
 Operator : SY/AP  
 Sample : VL0825ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0825ABS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022  
 Supervised By :Semsettin Yesilyurt 08/29/2022

Quant Time: Aug 26 06:20:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081722AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:20:25 2022

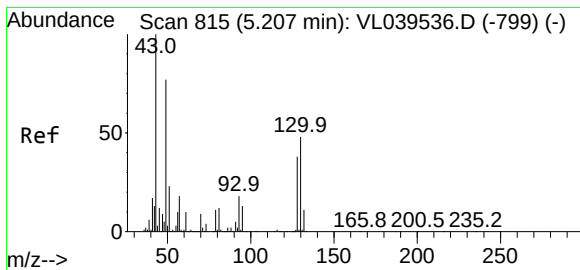
QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.153  | 75   | 1155076  | 12.308 | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 8.905  | 97   | 900120   | 9.717  | ppbv   | 95       |
| 48) Dibromochloromethane      | 9.712  | 129  | 1564353  | 11.456 | ppbv   | 99       |
| 49) Bromoform                 | 12.407 | 173  | 1339154  | 11.840 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 8.188  | 43   | 2315734  | 10.564 | ppbv   | 99       |
| 51) 2-Hexanone                | 9.558  | 43   | 1768552  | 10.962 | ppbv # | 100      |
| 52) Tetrachloroethene         | 10.622 | 164  | 850553   | 10.420 | ppbv   | 94       |
| 53) Toluene                   | 9.227  | 91   | 2618423  | 10.844 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.011 | 107  | 1107823  | 10.692 | ppbv   | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 11.513 | 131  | 1129981  | 10.311 | ppbv   | 96       |
| 57) Chlorobenzene             | 11.532 | 112  | 1971573  | 9.798  | ppbv   | 97       |
| 58) Ethyl Benzene             | 12.095 | 91   | 3422526  | 11.045 | ppbv   | 98       |
| 59) m/p-Xylene                | 12.378 | 91   | 5729384m | 20.609 | ppbv   |          |
| 60) o-Xylene                  | 13.063 | 91   | 2742962  | 10.279 | ppbv   | 99       |
| 61) Styrene                   | 12.902 | 104  | 1662576  | 11.698 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.034 | 105  | 4000206  | 9.913  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.050 | 83   | 1132151  | 8.959  | ppbv   | 99       |
| 64) n-propylbenzene           | 14.918 | 120  | 1056028  | 10.069 | ppbv   | 99       |
| 65) tert-Butylbenzene         | 16.095 | 119  | 3548772  | 9.893  | ppbv   | 98       |
| 66) Benzyl Chloride           | 16.333 | 91   | 360801   | 12.383 | ppbv   | 95       |
| 67) sec-Butylbenzene          | 16.641 | 105  | 4859462  | 9.565  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 16.998 | 119  | 4136176  | 9.807  | ppbv   | 99       |
| 70) n-Butylbenzene            | 17.892 | 91   | 4106374  | 9.787  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.805 | 91   | 2939964  | 10.059 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.198 | 105  | 3254407  | 10.430 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.355 | 105  | 2893476  | 10.147 | ppbv   | 97       |
| 74) 1,2,4-Trimethylbenzene    | 16.114 | 105  | 3088699  | 9.721  | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 16.333 | 146  | 1880090  | 9.733  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.474 | 146  | 1823406  | 9.474  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.149 | 146  | 1789487  | 9.460  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.641 | 225  | 1465098m | 9.725  | ppbv   |          |
| 79) Naphthalene               | 21.387 | 128  | 3111165  | 13.749 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.377 | 142  | 1057820  | 11.519 | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 21.140 | 180  | 1724121  | 11.411 | ppbv   | 100      |

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





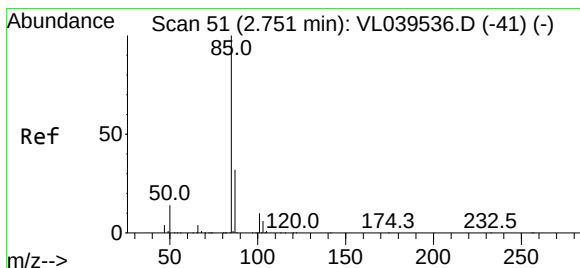
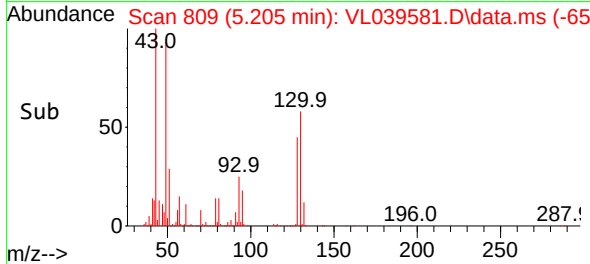
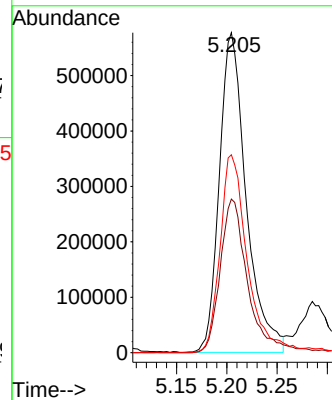
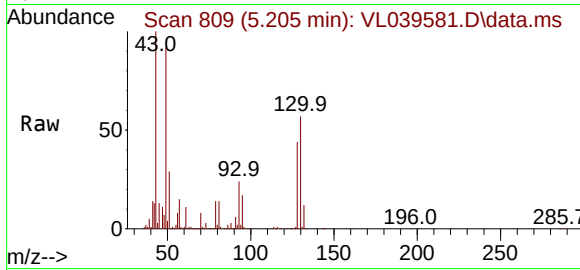
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.205 min Scan# 80  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01

Tgt Ion: 49 Resp: 106832  
Ion Ratio Lower Upper  
49 100  
128 50.5 26.7 80.0  
130 64.8 34.3 102.8

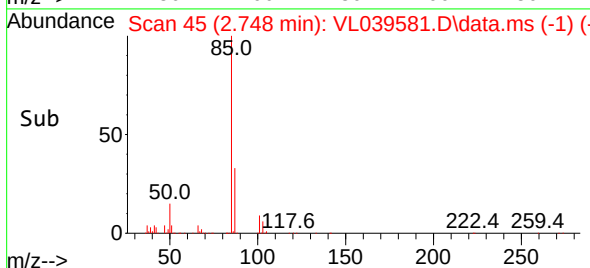
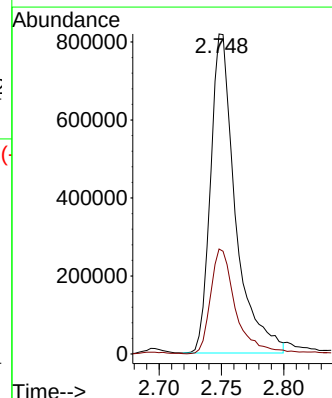
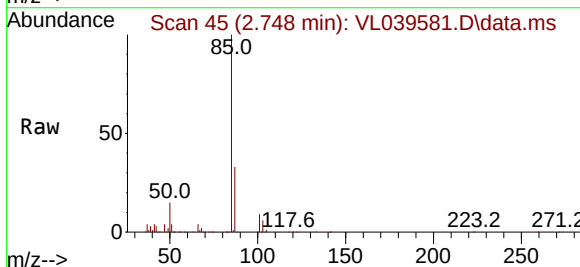
Manual Integrations  
APPROVED

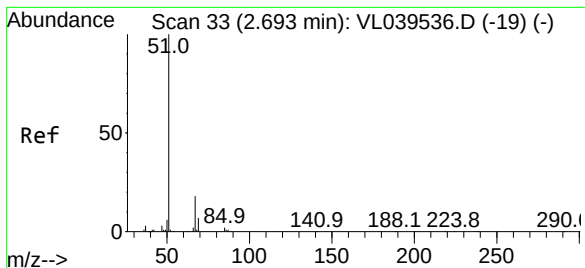
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#2  
Dichlorodifluoromethane  
Concen: 8.001 ppbv  
RT: 2.748 min Scan# 45  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Tgt Ion: 85 Resp: 1137442  
Ion Ratio Lower Upper  
85 100  
87 32.8 26.7 40.1





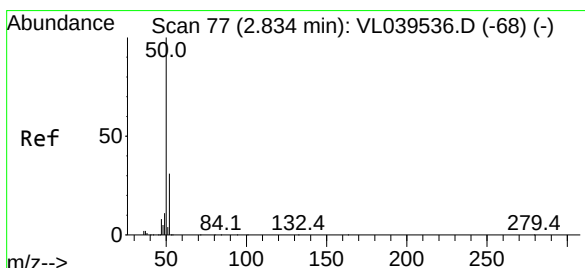
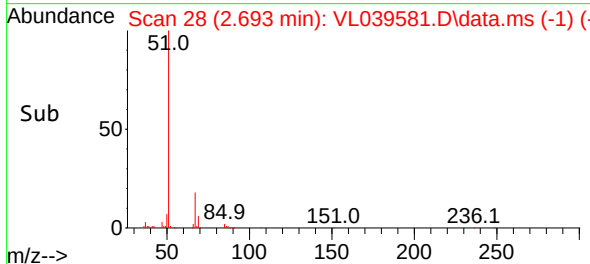
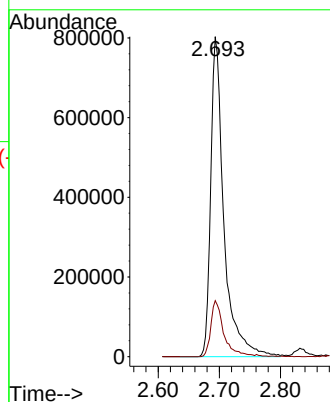
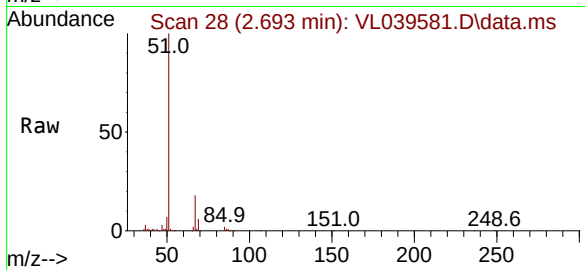
#3  
Chlorodifluoromethane  
Concen: 9.451 ppbv  
RT: 2.693 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01

Tgt Ion: 51 Resp: 120289  
Ion Ratio Lower Upper  
51 100  
67 17.7 15.7 23.5

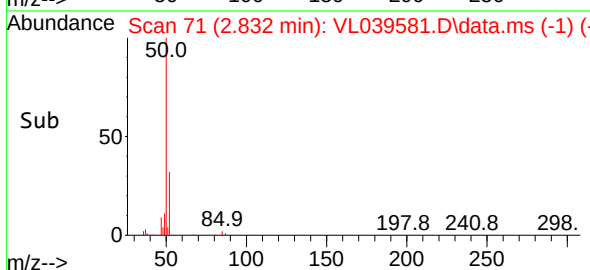
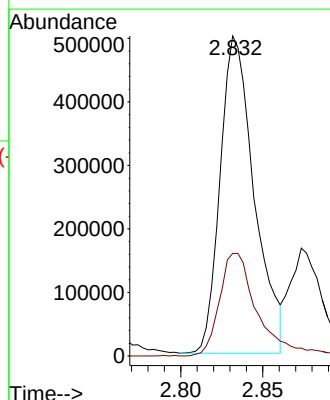
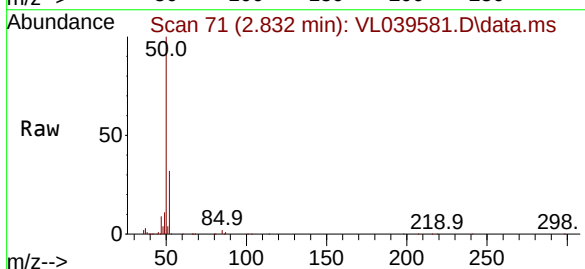
Manual Integrations  
APPROVED

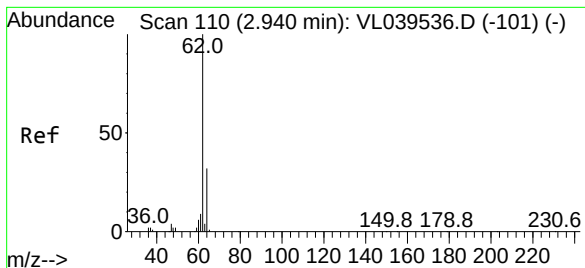
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#4  
Chloromethane  
Concen: 9.423 ppbv  
RT: 2.832 min Scan# 71  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

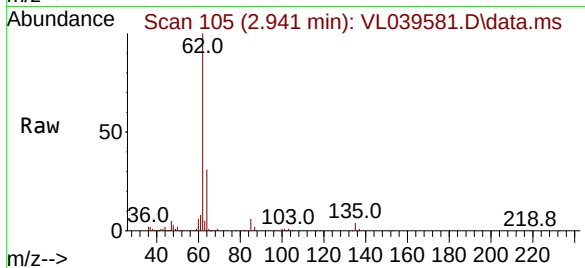
Tgt Ion: 50 Resp: 722430  
Ion Ratio Lower Upper  
50 100  
52 32.3 26.5 39.7





#5  
 Vinyl Chloride  
 Concen: 10.341 ppbv  
 RT: 2.941 min Scan# 105  
 Delta R.T. 0.001 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00

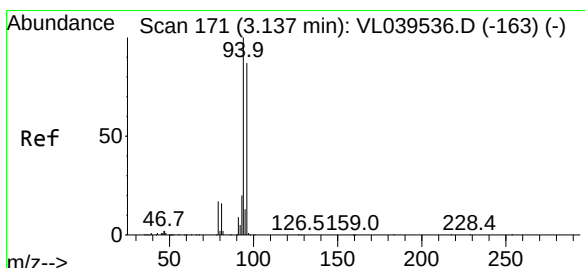
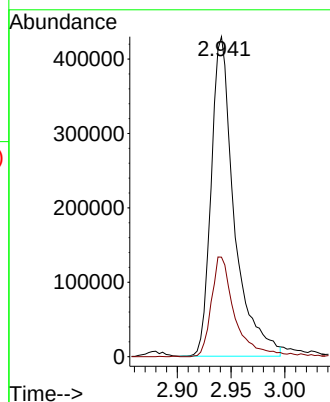
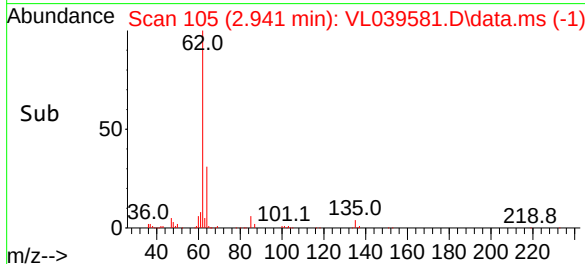
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0825ABS01



Tgt Ion: 62 Resp: 63987  
 Ion Ratio Lower Upper  
 62 100  
 64 31.2 24.6 36.8

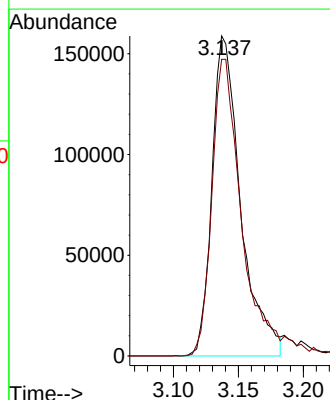
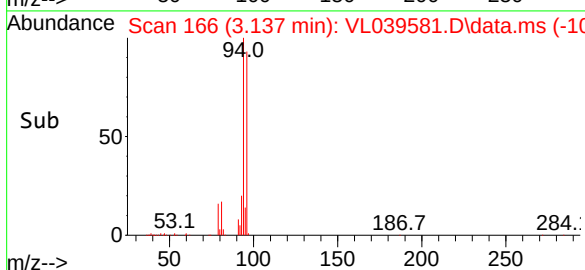
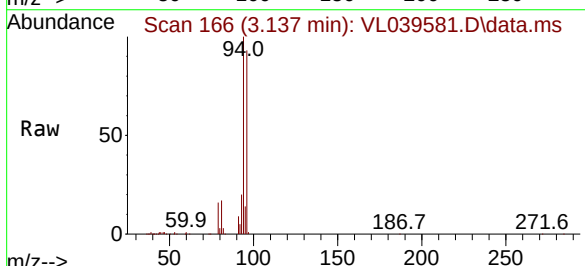
Manual Integrations  
 APPROVED

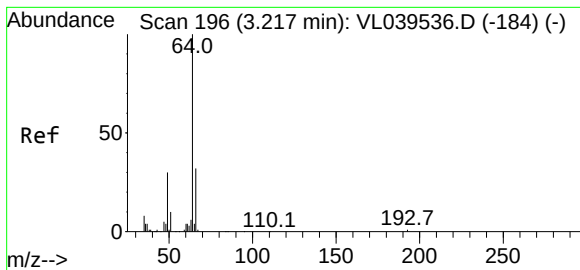
Reviewed By :Mahesh Dadoda 08/29/2022  
 Supervised By :Semsettin Yesilyurt 08/29/2022



#6  
 Bromomethane  
 Concen: 9.304 ppbv  
 RT: 3.137 min Scan# 166  
 Delta R.T. 0.001 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00

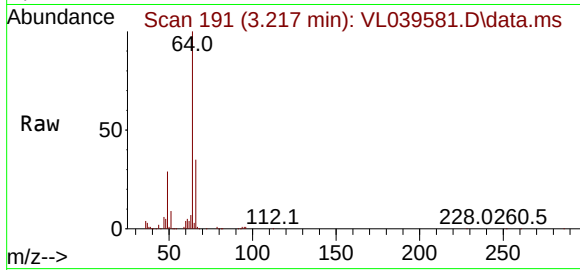
Tgt Ion: 94 Resp: 244155  
 Ion Ratio Lower Upper  
 94 100  
 96 92.7 75.6 113.4





#7  
Chloroethane  
Concen: 10.132 ppbv  
RT: 3.217 min Scan# 196  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

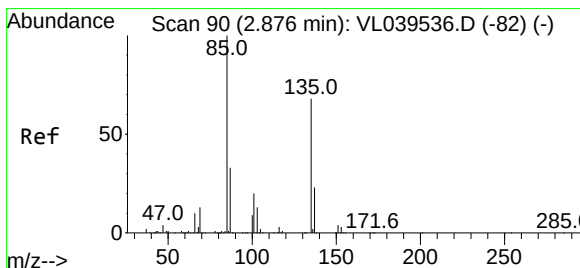
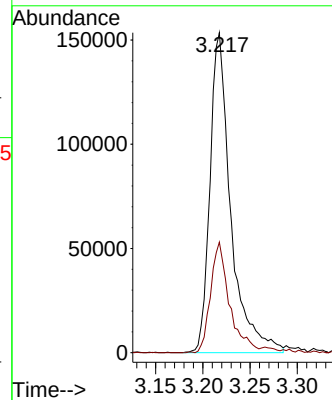
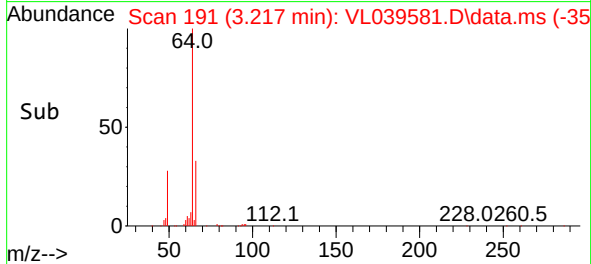
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



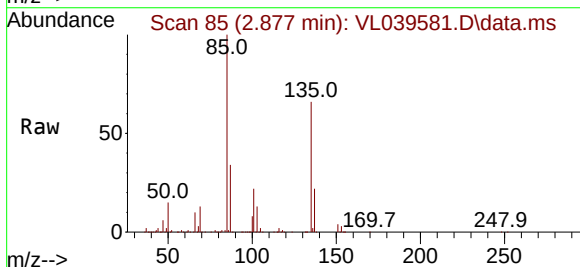
Tgt Ion: 64 Resp: 23488  
Ion Ratio Lower Upper  
64 100  
66 34.6 24.7 37.1

Manual Integrations  
APPROVED

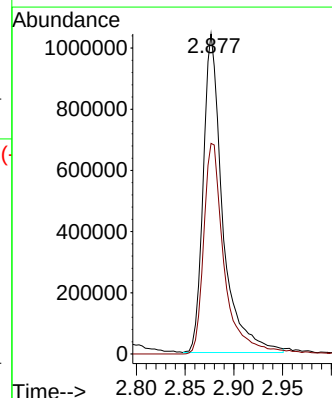
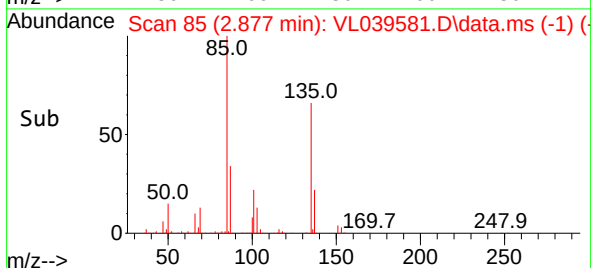
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

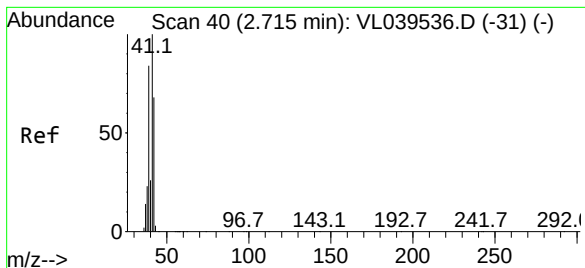


#8  
Dichlorotetrafluoroethane  
Concen: 9.516 ppbv  
RT: 2.877 min Scan# 85  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00



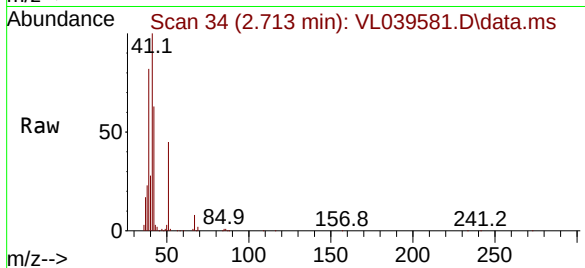
Tgt Ion: 85 Resp: 1447266  
Ion Ratio Lower Upper  
85 100  
135 70.6 59.0 88.4





#9  
 Propene  
 Concen: 10.092 ppbv  
 RT: 2.713 min Scan# 34  
 Delta R.T. -0.003 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00

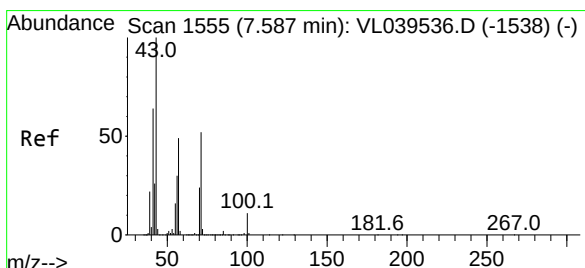
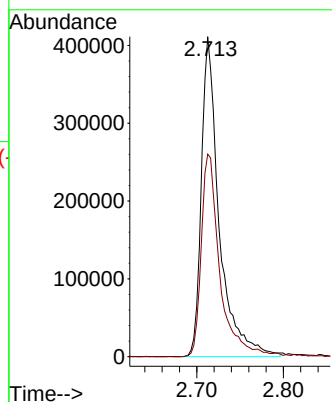
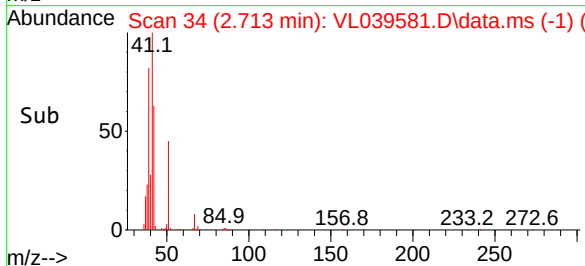
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0825ABS01



Tgt Ion: 41 Resp: 587779  
 Ion Ratio Lower Upper  
 41 100  
 42 66.8 55.2 82.8

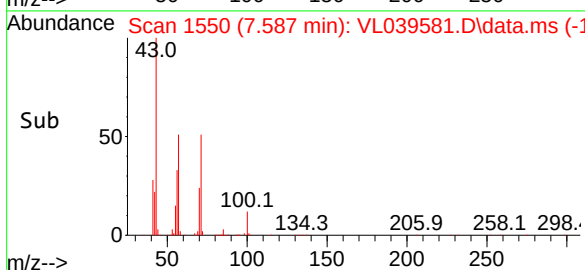
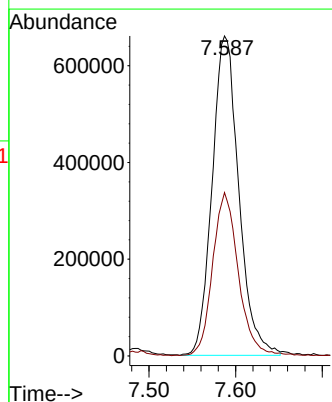
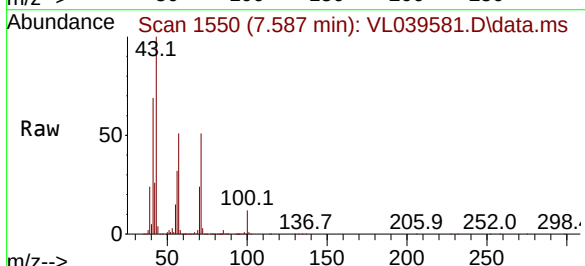
Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022  
 Supervised By :Semsettin Yesilyurt 08/29/2022

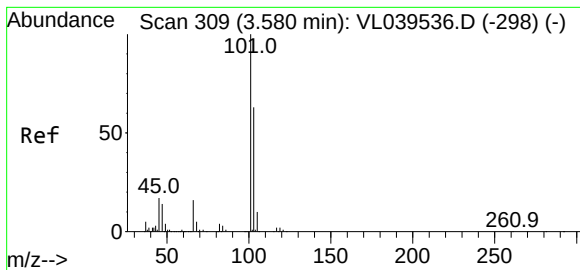


#10  
 Heptane  
 Concen: 10.450 ppbv  
 RT: 7.587 min Scan# 1550  
 Delta R.T. 0.001 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00

Tgt Ion: 43 Resp: 1409493  
 Ion Ratio Lower Upper  
 43 100  
 57 50.1 40.5 60.7

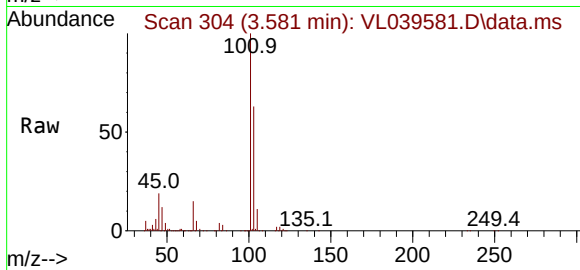






#11  
Trichlorofluoromethane  
Concen: 9.555 ppbv  
RT: 3.581 min Scan# 309  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

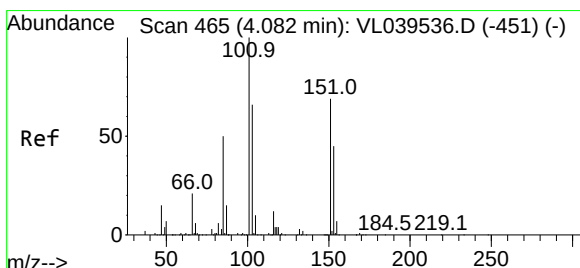
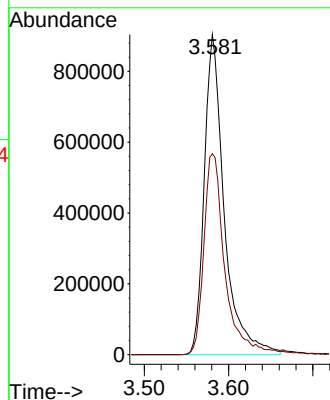
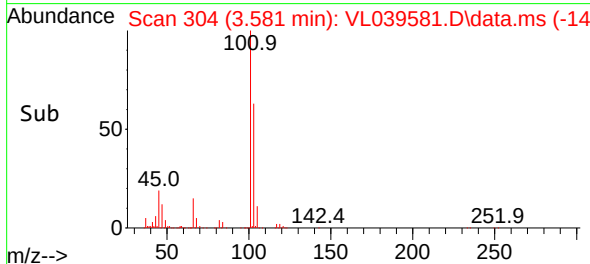
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



Tgt Ion:101 Resp: 149078  
Ion Ratio Lower Upper  
101 100  
103 62.8 51.8 77.8

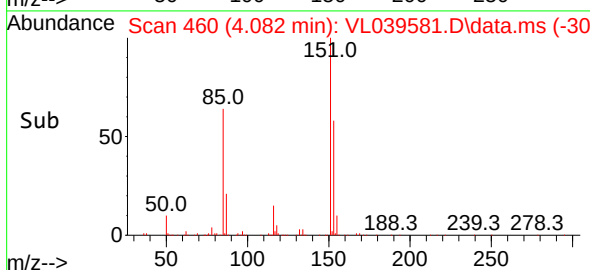
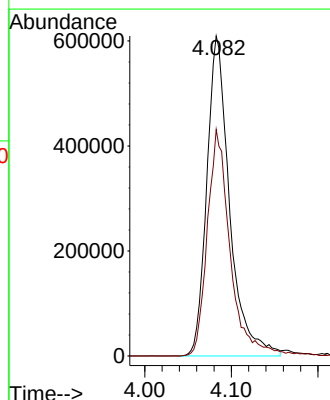
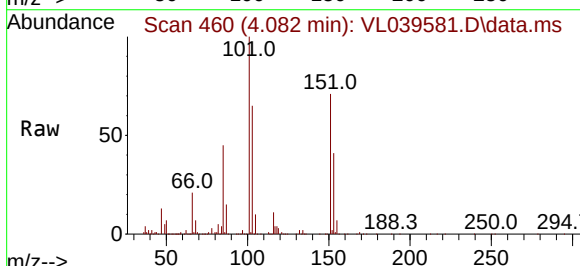
Manual Integrations  
APPROVED

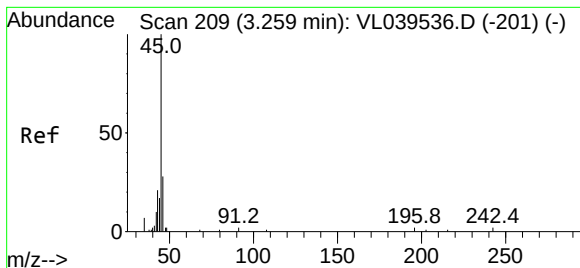
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.663 ppbv  
RT: 4.082 min Scan# 460  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

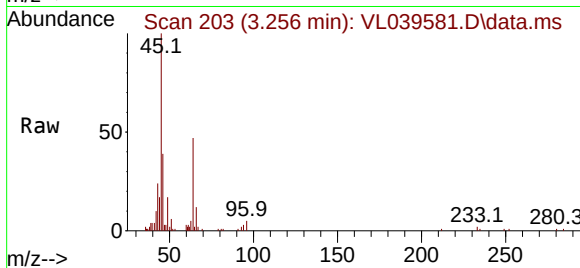
Tgt Ion:101 Resp: 1115153  
Ion Ratio Lower Upper  
101 100  
151 71.6 58.9 88.3





#13  
Ethanol  
Concen: 8.182 ppbv m  
RT: 3.256 min Scan# 209  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

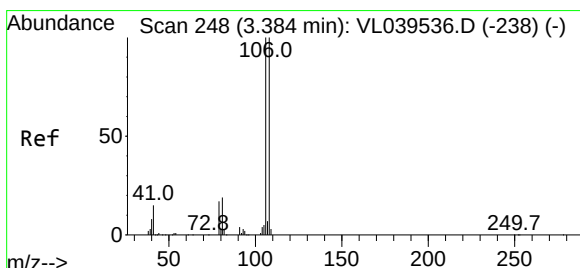
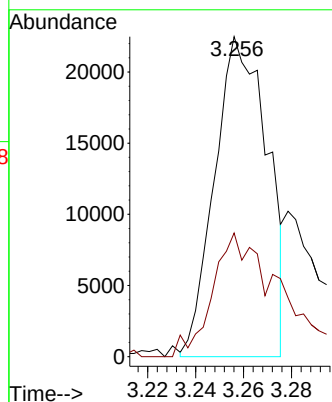
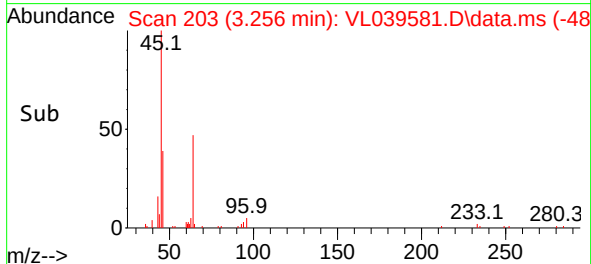
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



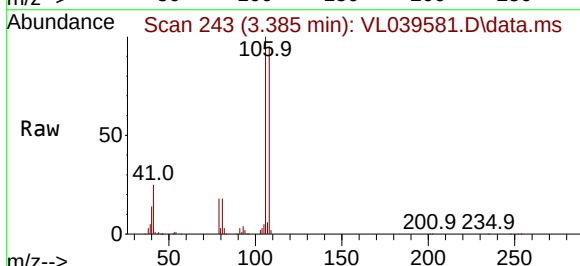
Tgt Ion: 45 Resp: 34249  
Ion Ratio Lower Upper  
45 100  
46 57.1 22.8 91.2

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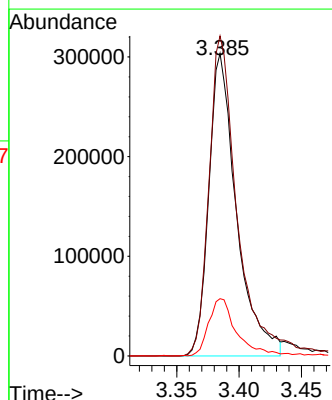
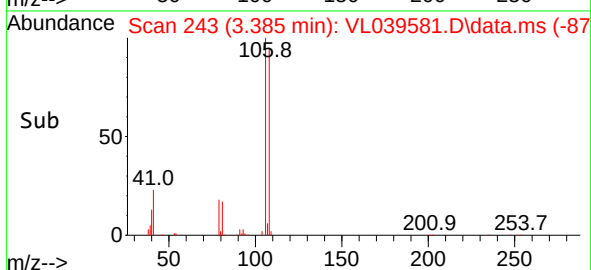
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

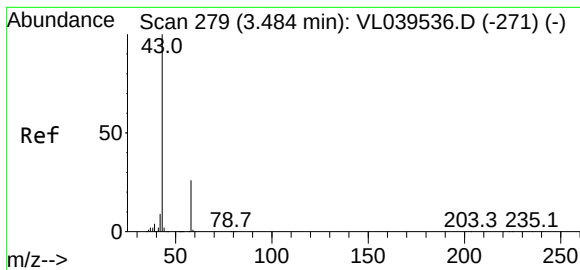


#14  
Bromoethene  
Concen: 9.954 ppbv  
RT: 3.385 min Scan# 243  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00



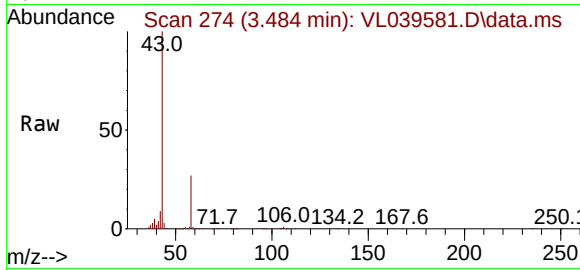
Tgt Ion:108 Resp: 469342  
Ion Ratio Lower Upper  
108 100  
106 111.4 87.1 130.7  
79 19.8 14.6 22.0





#15  
Acetone  
Concen: 9.578 ppbv  
RT: 3.484 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

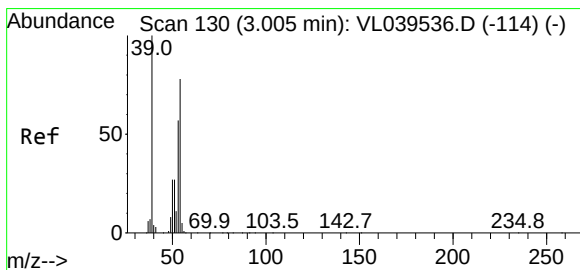
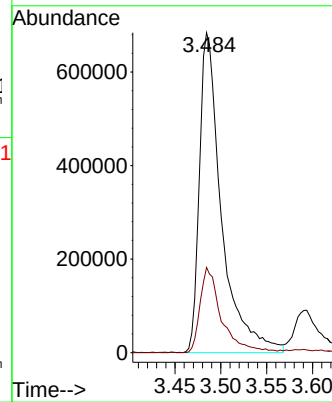
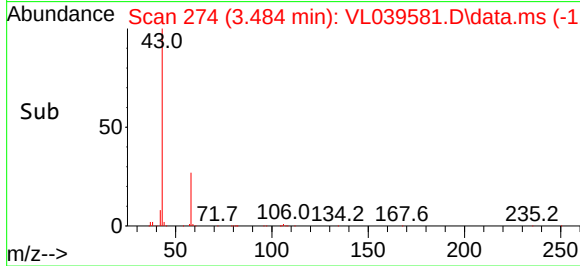
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



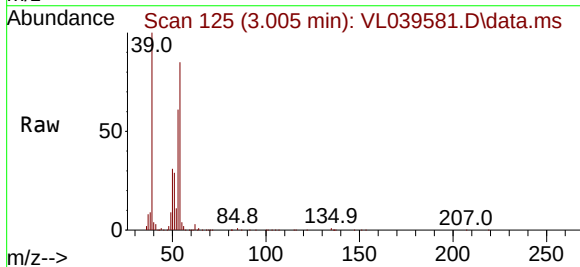
Tgt Ion: 43 Resp: 114621  
Ion Ratio Lower Upper  
43 100  
58 25.8 21.0 31.6

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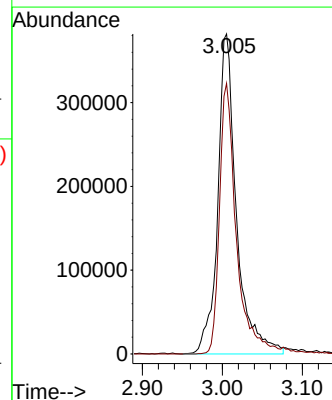
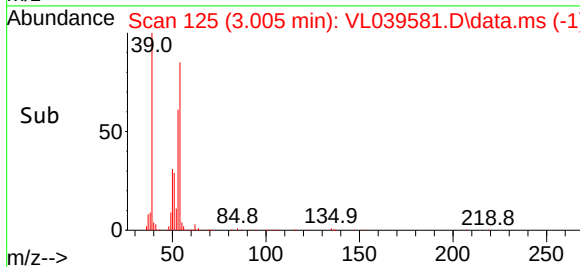
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

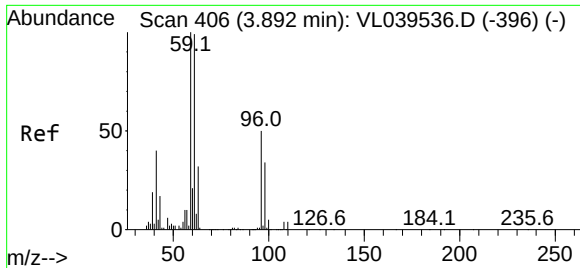


#16  
1,3-Butadiene  
Concen: 9.961 ppbv  
RT: 3.005 min Scan# 125  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00



Tgt Ion: 39 Resp: 622032  
Ion Ratio Lower Upper  
39 100  
54 77.8 63.7 95.5





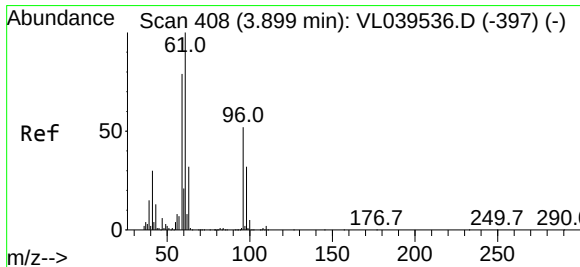
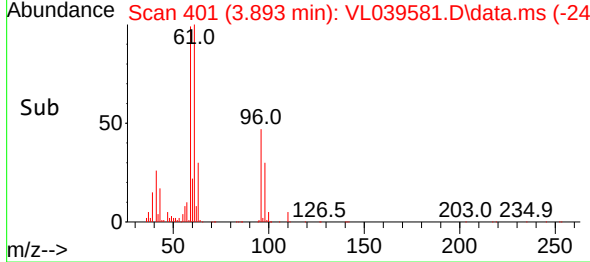
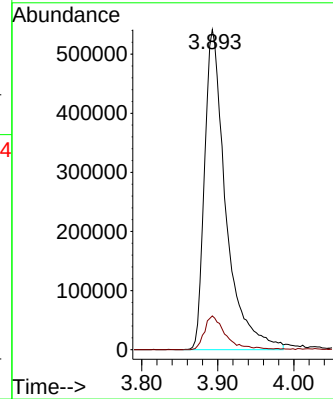
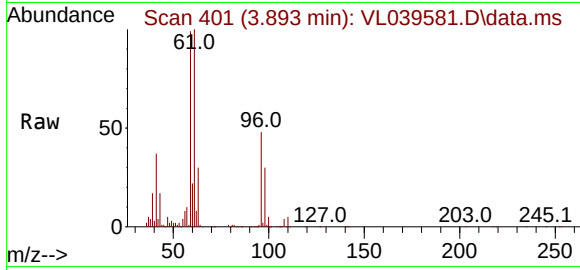
#17  
tert-Butyl alcohol  
Concen: 10.312 ppbv  
RT: 3.893 min Scan# 401  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01

Tgt Ion: 59 Resp: 1053230  
Ion Ratio Lower Upper  
59 100  
57 10.6 8.7 13.1

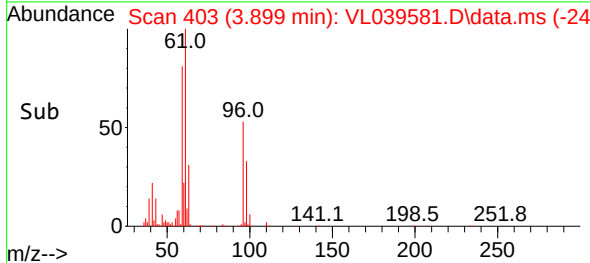
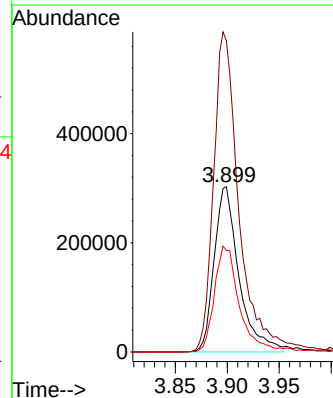
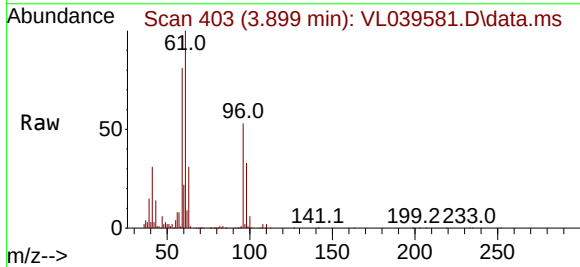
Manual Integrations  
APPROVED

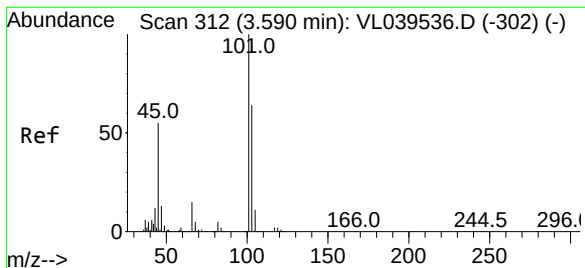
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#18  
1,1-Dichloroethene  
Concen: 9.664 ppbv  
RT: 3.899 min Scan# 403  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Tgt Ion: 96 Resp: 502287  
Ion Ratio Lower Upper  
96 100  
61 188.2 152.2 228.4  
98 61.4 51.8 77.6





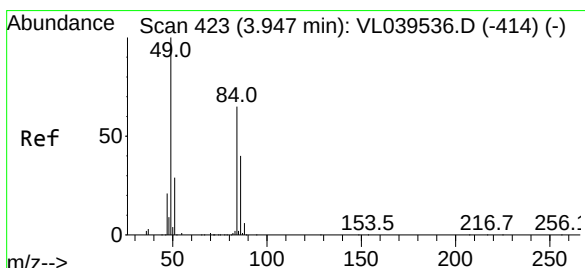
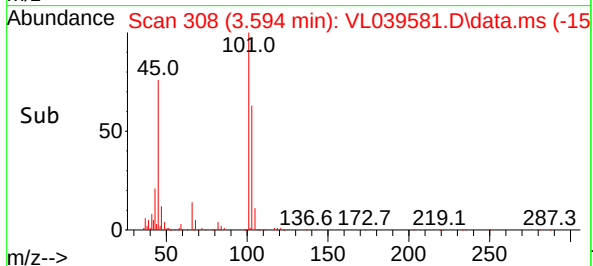
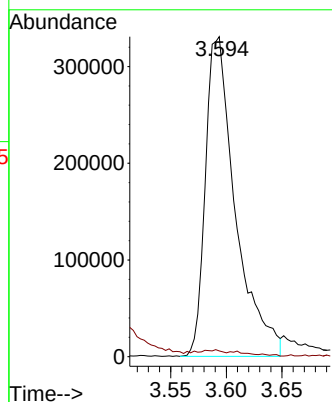
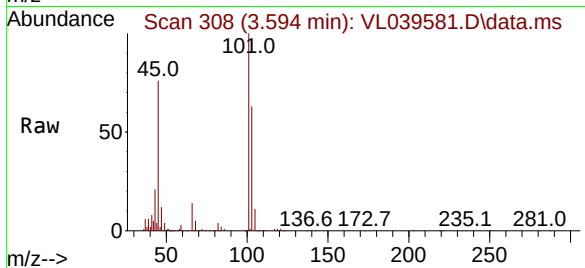
#19  
Isopropyl Alcohol  
Concen: 10.668 ppbv  
RT: 3.594 min Scan# 308  
Delta R.T. 0.004 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01

Tgt Ion: 45 Resp: 62103  
Ion Ratio Lower Upper  
45 100  
58 3.0 3.2 4.8

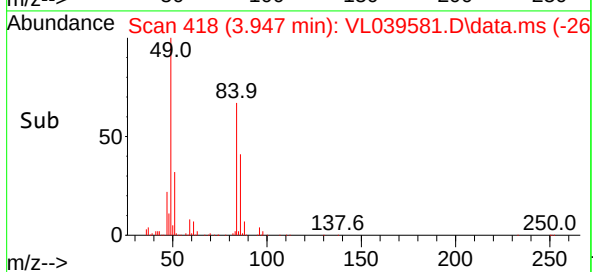
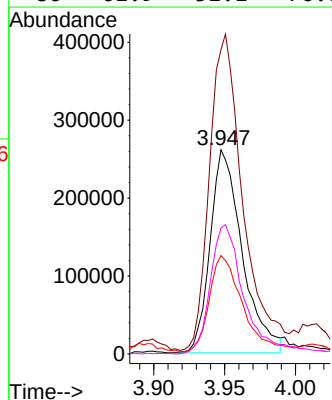
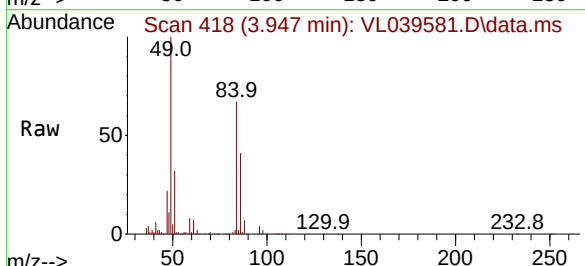
Manual Integrations  
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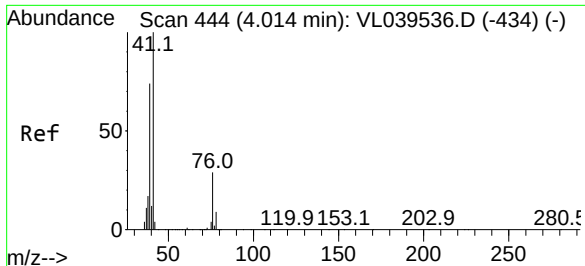
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#20  
Methylene Chloride  
Concen: 8.448 ppbv  
RT: 3.947 min Scan# 418  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

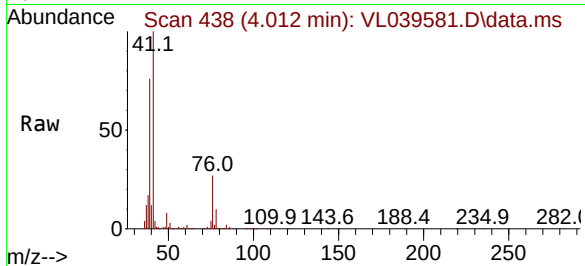
Tgt Ion: 84 Resp: 410714  
Ion Ratio Lower Upper  
84 100  
49 148.1 123.1 184.7  
51 47.4 34.4 51.6  
86 61.9 51.1 76.7





#21  
 Allyl Chloride  
 Concen: 10.180 ppbv  
 RT: 4.012 min Scan# 41  
 Delta R.T. -0.003 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00

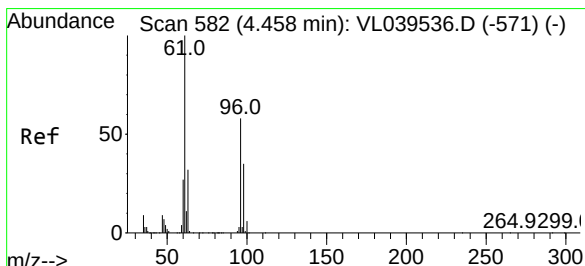
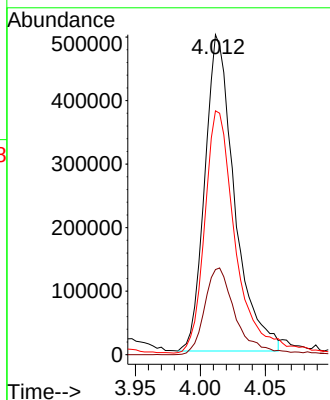
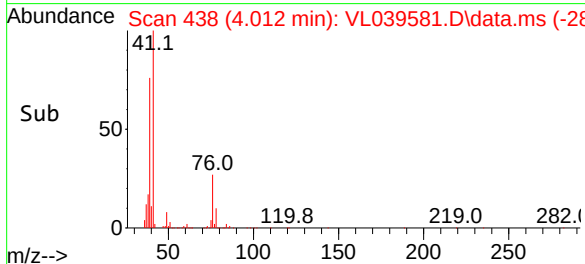
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0825ABS01



Tgt Ion: 41 Resp: 792460  
 Ion Ratio Lower Upper  
 41 100  
 76 29.1 24.4 36.6  
 39 80.5 63.5 95.3

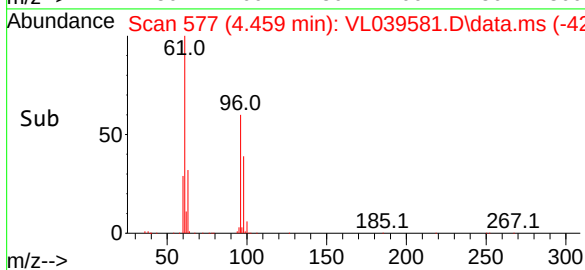
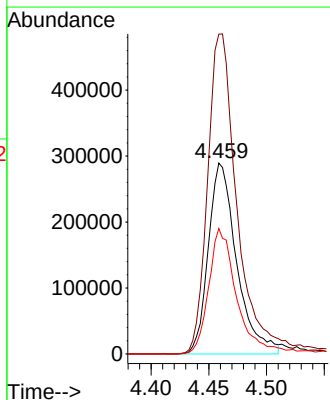
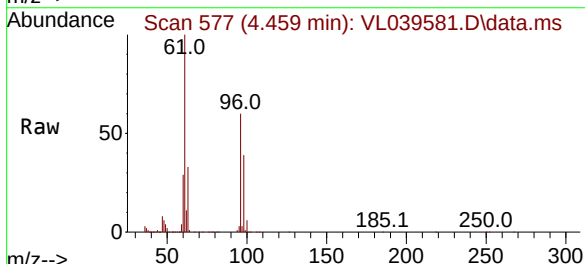
Manual Integrations  
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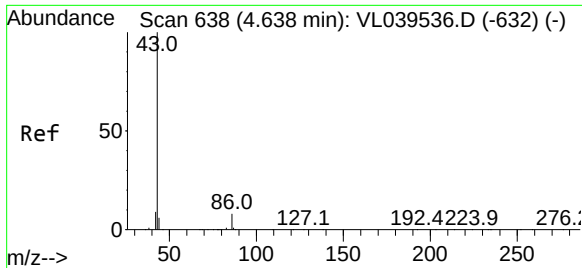
Reviewed By :Mahesh Dadoda 08/29/2022  
 Supervised By :Semsettin Yesilyurt 08/29/2022



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.576 ppbv  
 RT: 4.459 min Scan# 577  
 Delta R.T. 0.001 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00

Tgt Ion: 96 Resp: 495066  
 Ion Ratio Lower Upper  
 96 100  
 61 167.6 130.6 195.8  
 98 65.7 53.4 80.0





#23  
 Vinyl Acetate  
 Concen: 10.174 ppbv  
 RT: 4.642 min Scan# 614  
 Delta R.T. 0.004 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00

Instrument :

MSVOA\_L

ClientSampleId :

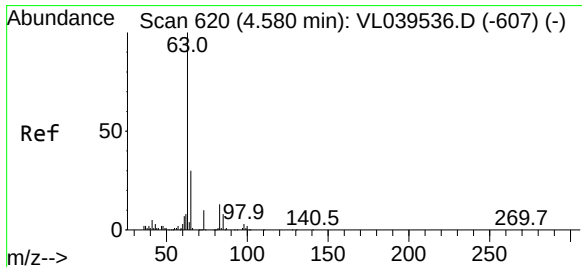
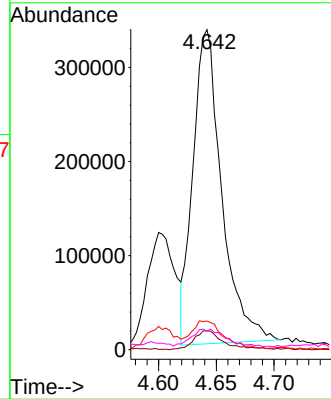
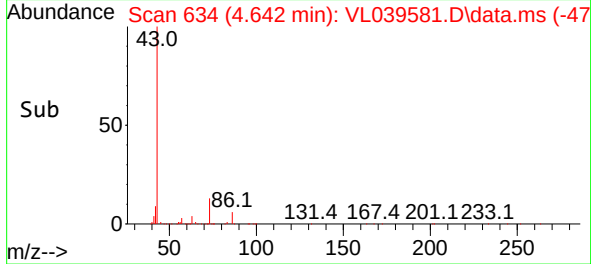
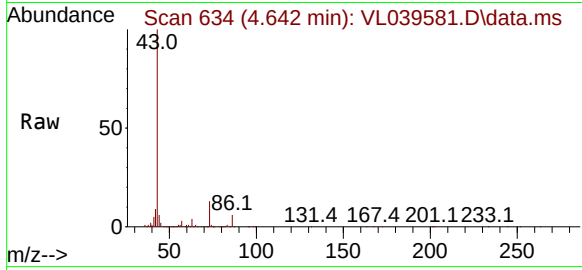
VL0825ABS01

Tgt Ion: 43 Resp: 578935  
 Ion Ratio Lower Upper  
 43 100  
 86 5.9 5.0 7.6  
 42 8.6 7.7 11.5  
 44 5.0 4.6 7.0

Manual Integrations

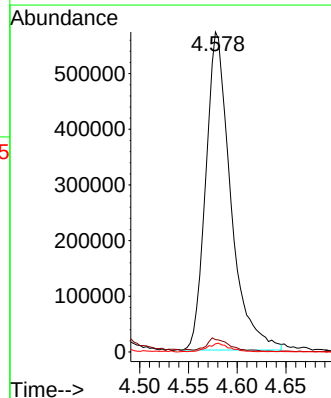
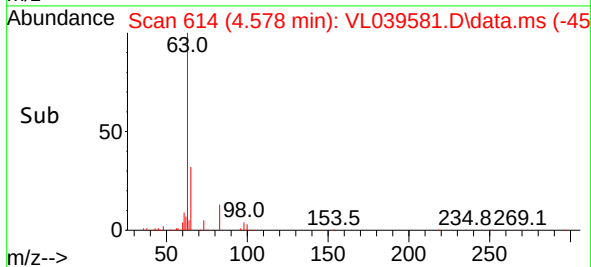
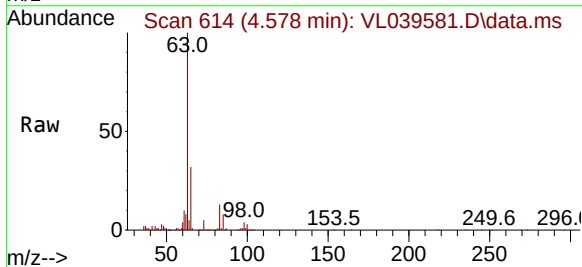
APPROVED

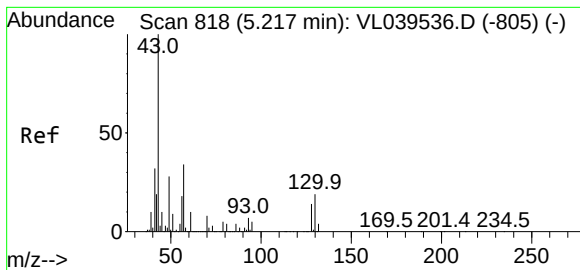
Reviewed By :Mahesh Dadoda 08/29/2022  
 Supervised By :Semsettin Yesilyurt 08/29/2022



#24  
 1,1-Dichloroethane  
 Concen: 9.634 ppbv  
 RT: 4.578 min Scan# 614  
 Delta R.T. -0.003 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00

Tgt Ion: 63 Resp: 1014685  
 Ion Ratio Lower Upper  
 63 100  
 98 3.6 1.8 5.3  
 100 2.5 1.5 4.4





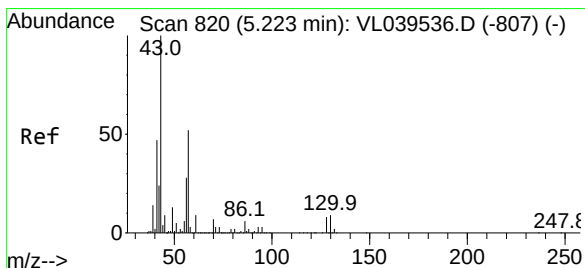
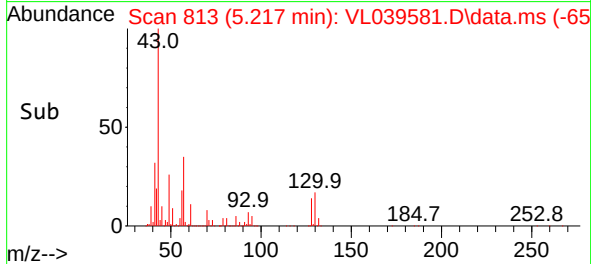
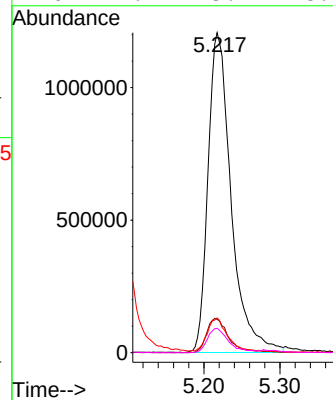
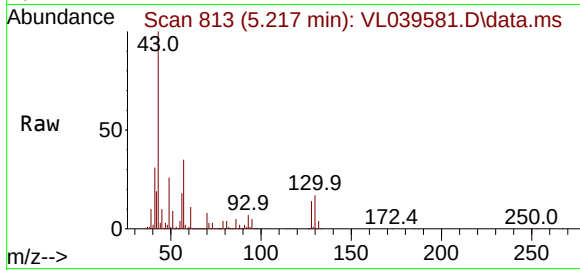
#25  
Ethyl Acetate  
Concen: 9.942 ppbv  
RT: 5.217 min Scan# 818  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01

Tgt Ion: 43 Resp: 2545750  
Ion Ratio Lower Upper  
43 100  
45 10.5 8.2 12.4  
61 10.2 8.3 12.5  
70 7.9 5.9 8.9

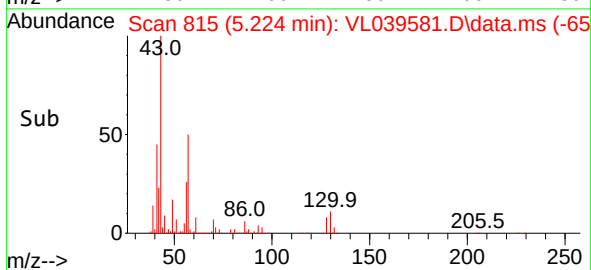
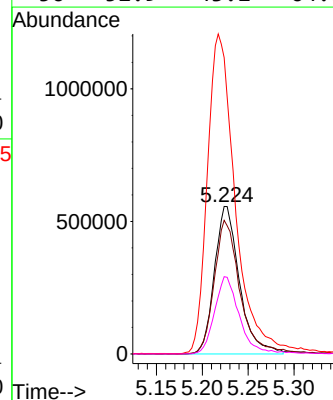
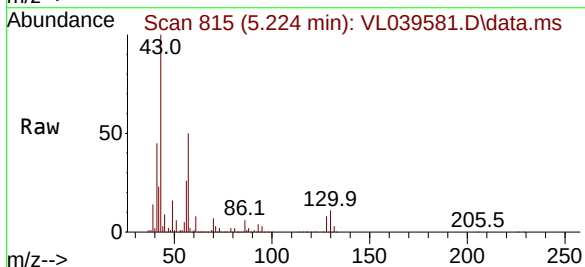
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

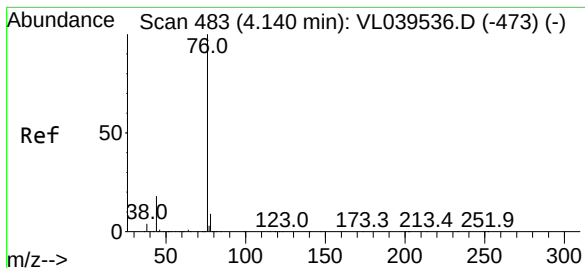


#26  
Hexane  
Concen: 10.103 ppbv  
RT: 5.224 min Scan# 815  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Tgt Ion: 57 Resp: 1055832  
Ion Ratio Lower Upper  
57 100  
41 94.9 76.9 115.3  
43 245.4 191.0 286.6  
56 52.9 43.2 64.8

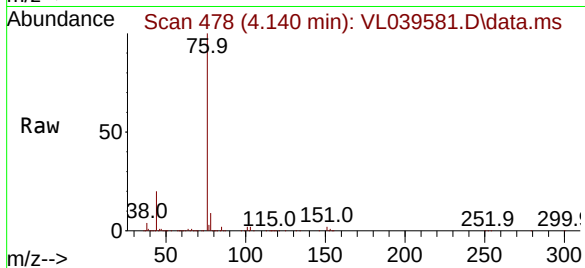






#27  
Carbon Disulfide  
Concen: 11.433 ppbv  
RT: 4.140 min Scan# 41  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

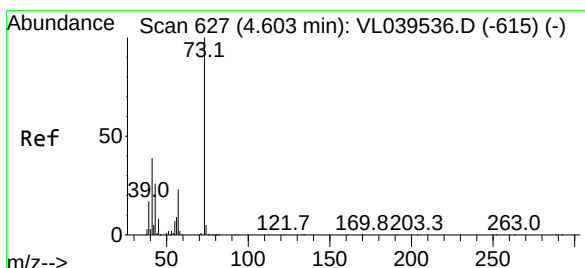
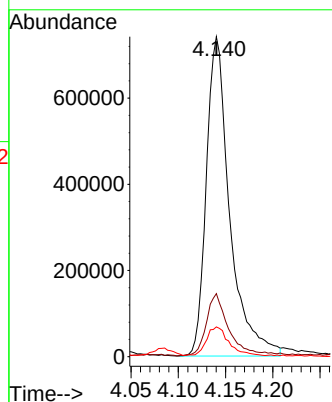
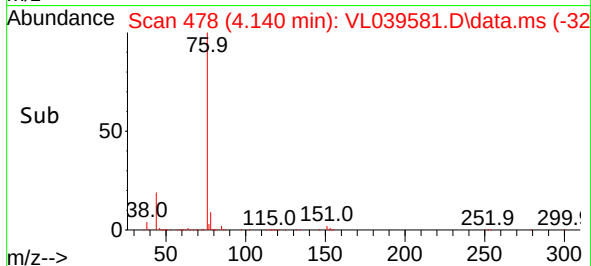
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



Tgt Ion: 76 Resp: 1276484  
Ion Ratio Lower Upper  
76 100  
44 18.8 14.6 21.8  
78 9.8 7.8 11.6

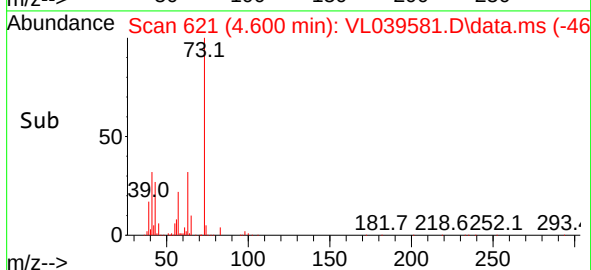
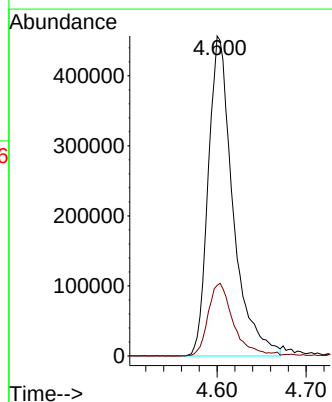
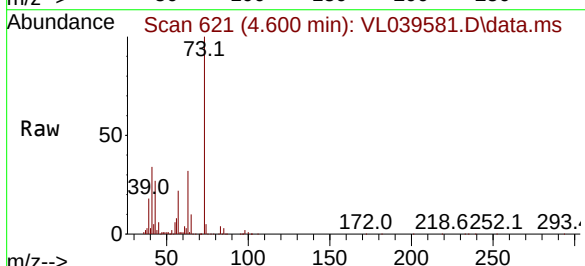
Manual Integrations  
APPROVED

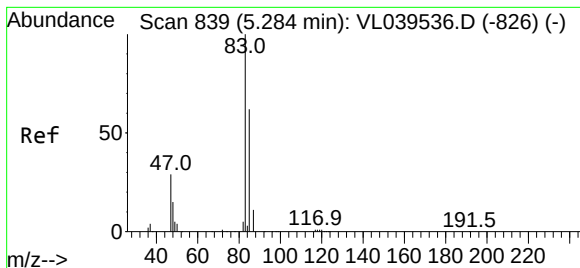
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#28  
Methyl tert-Butyl Ether  
Concen: 9.740 ppbv  
RT: 4.600 min Scan# 621  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

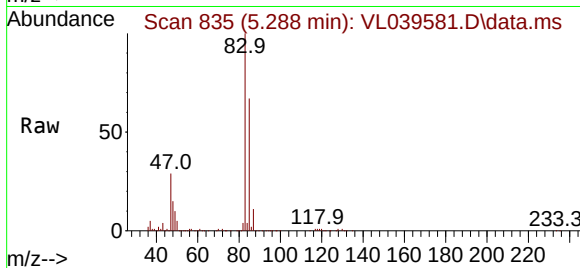
Tgt Ion: 73 Resp: 878148  
Ion Ratio Lower Upper  
73 100  
57 23.8 19.8 29.8





#29  
Chloroform  
Concen: 9.599 ppbv  
RT: 5.288 min Scan# 81  
Delta R.T. 0.004 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

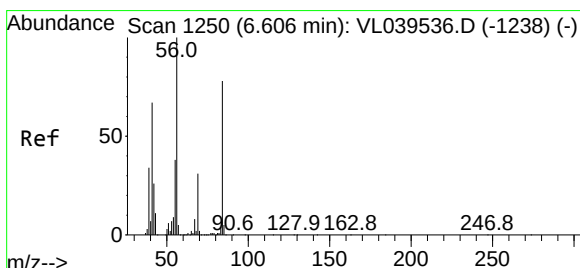
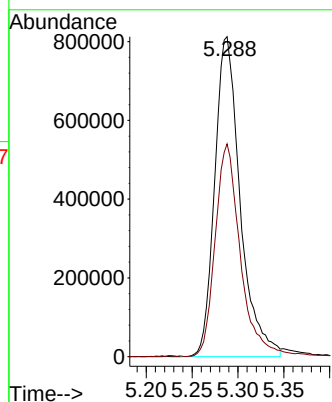
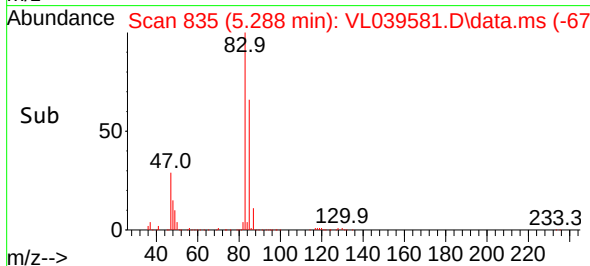
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



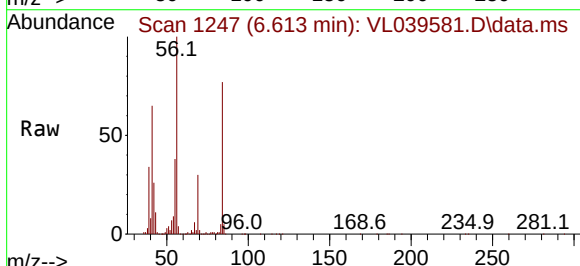
Tgt Ion: 83 Resp: 156890  
Ion Ratio Lower Upper  
83 100  
85 66.3 52.8 79.2

Manual Integrations  
APPROVED

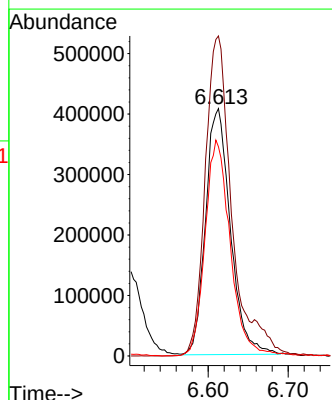
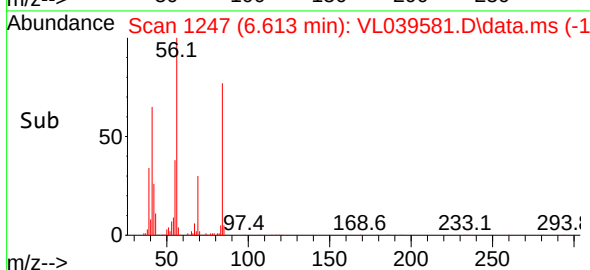
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

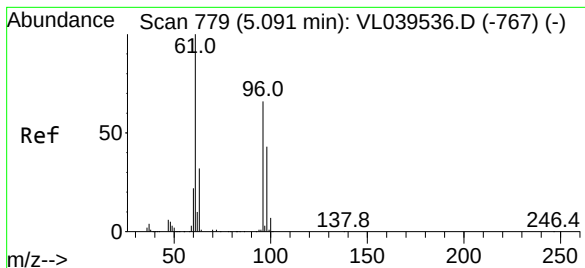


#30  
Cyclohexane  
Concen: 10.192 ppbv  
RT: 6.613 min Scan# 1247  
Delta R.T. 0.007 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00



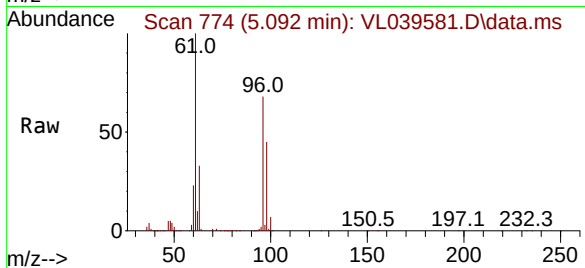
Tgt Ion: 84 Resp: 882026  
Ion Ratio Lower Upper  
84 100  
56 140.1 107.7 161.5  
41 89.6 67.7 101.5





#31  
 cis-1,2-Dichloroethene  
 Concen: 10.134 ppbv  
 RT: 5.092 min Scan# 71  
 Delta R.T. 0.001 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00

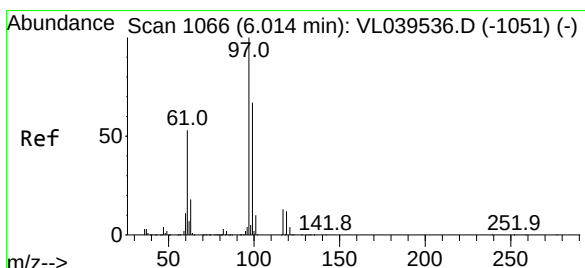
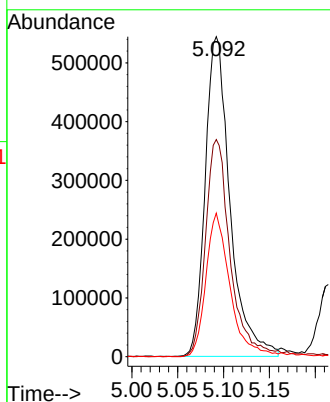
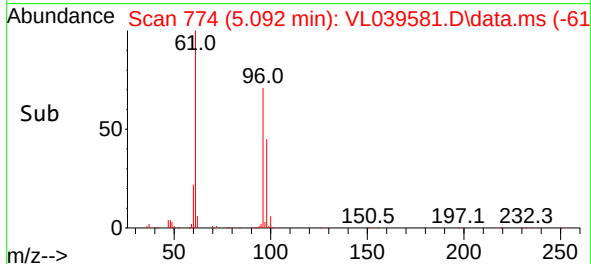
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0825ABS01



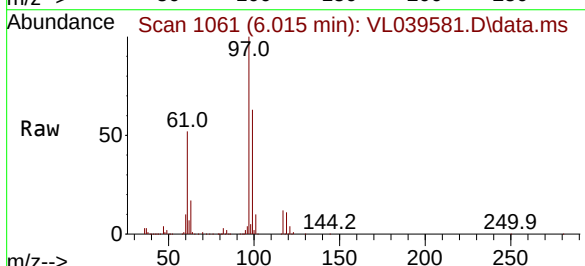
Tgt Ion: 61 Resp: 102584  
 Ion Ratio Lower Upper  
 61 100  
 96 67.8 54.1 81.1  
 98 44.9 34.6 52.0

Manual Integrations  
 APPROVED

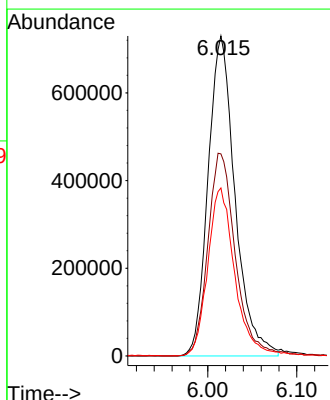
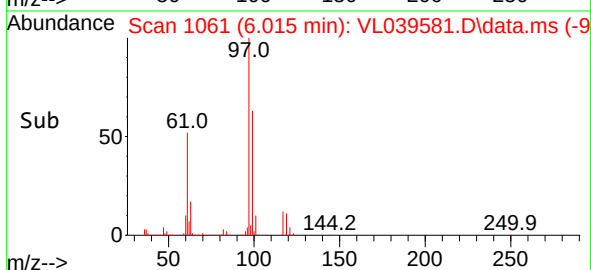
Reviewed By :Mahesh Dadoda 08/29/2022  
 Supervised By :Semsettin Yesilyurt 08/29/2022

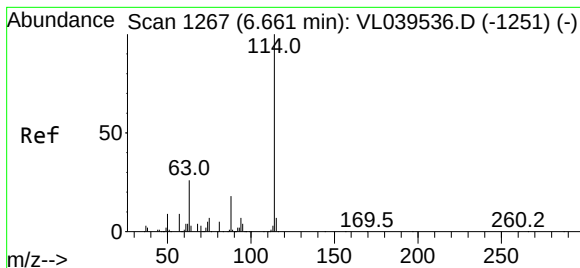


#32  
 1,1,1-Trichloroethane  
 Concen: 10.666 ppbv  
 RT: 6.015 min Scan# 1061  
 Delta R.T. 0.001 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00



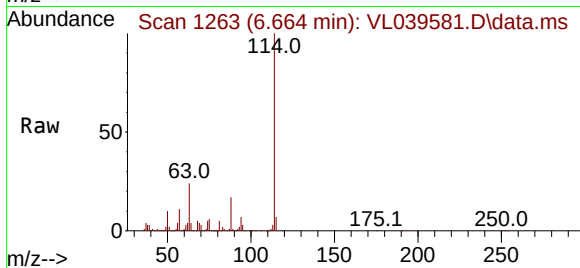
Tgt Ion: 97 Resp: 1533612  
 Ion Ratio Lower Upper  
 97 100  
 99 65.4 52.3 78.5  
 61 52.7 40.9 61.3





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.664 min Scan# 114  
Delta R.T. 0.004 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

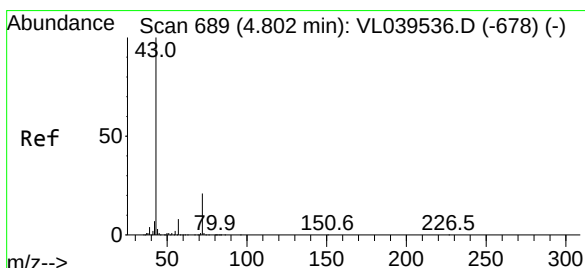
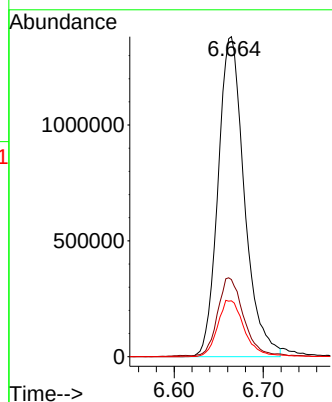
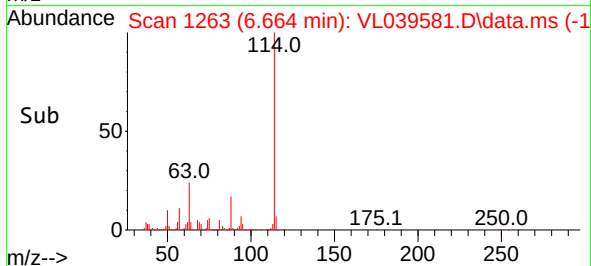
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



Tgt Ion:114 Resp: 2830300  
Ion Ratio Lower Upper  
114 100  
63 25.4 20.2 30.4  
88 18.1 14.5 21.7

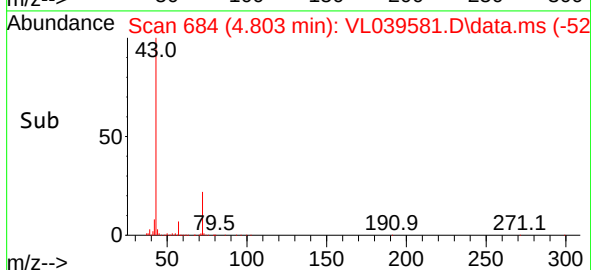
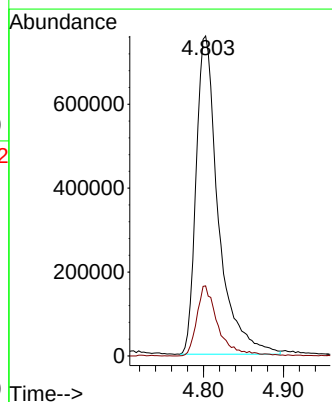
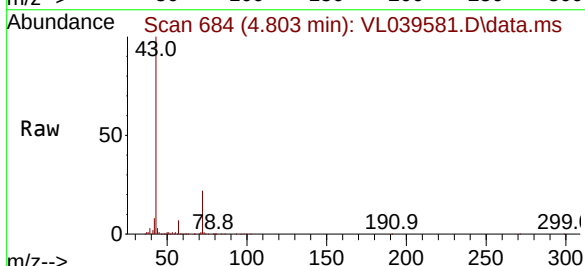
Manual Integrations  
APPROVED

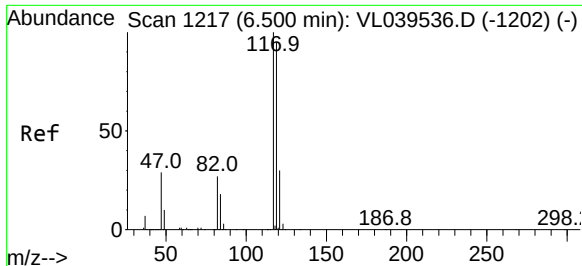
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#34  
2-Butanone  
Concen: 10.421 ppbv  
RT: 4.803 min Scan# 684  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

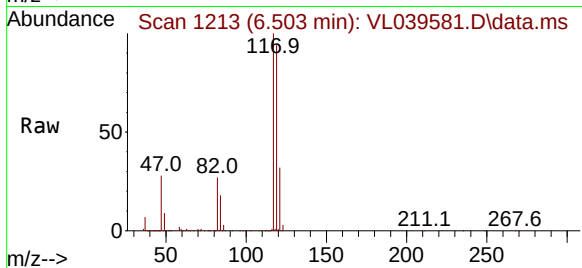
Tgt Ion: 43 Resp: 1466281  
Ion Ratio Lower Upper  
43 100  
72 21.2 17.9 26.9





#35  
Carbon Tetrachloride  
Concen: 10.932 ppbv  
RT: 6.503 min Scan# 1175  
Delta R.T. 0.004 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

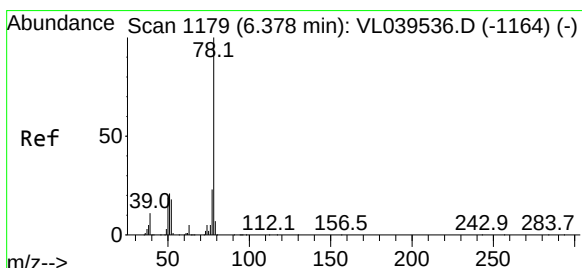
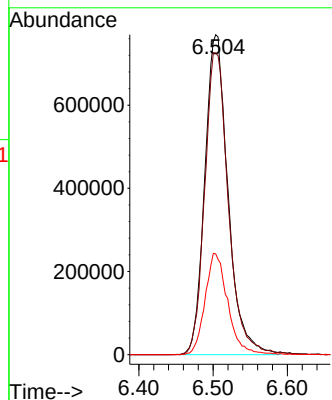
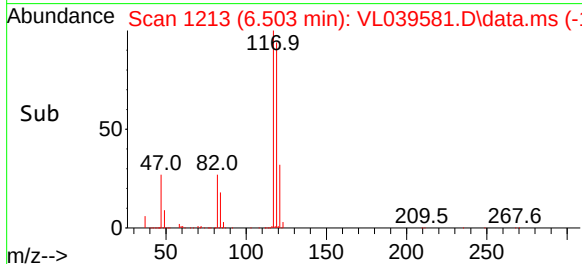
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



Tgt Ion: 117 Resp: 167256  
Ion Ratio Lower Upper  
117 100  
119 94.2 75.4 113.2  
121 31.5 24.2 36.2

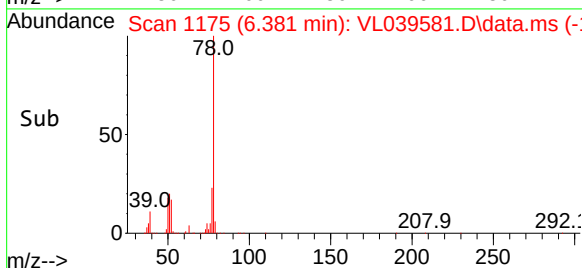
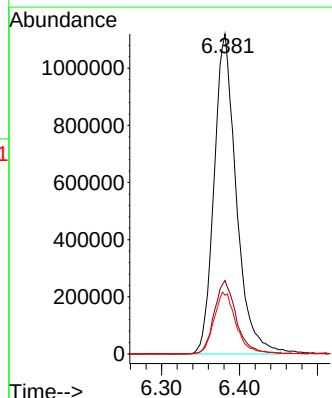
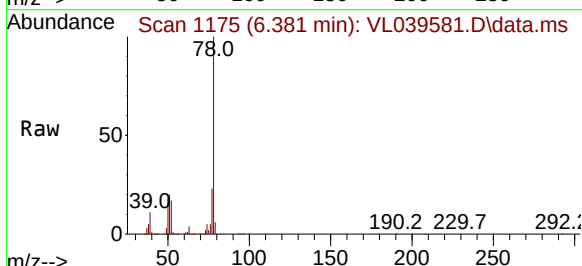
Manual Integrations  
APPROVED

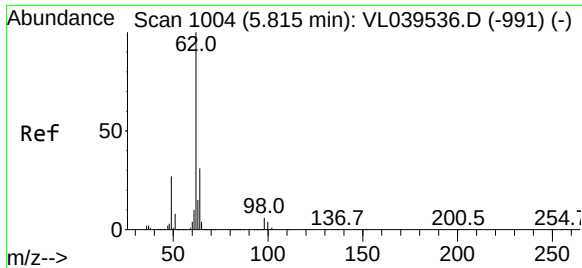
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#36  
Benzene  
Concen: 10.271 ppbv  
RT: 6.381 min Scan# 1175  
Delta R.T. 0.004 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

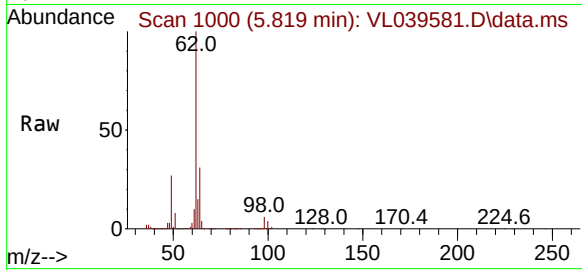
Tgt Ion: 78 Resp: 2216037  
Ion Ratio Lower Upper  
78 100  
77 22.9 20.3 30.5  
50 18.3 15.5 23.3





#37  
1,2-Dichloroethane  
Concen: 9.851 ppbv  
RT: 5.819 min Scan# 1004  
Delta R.T. 0.004 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

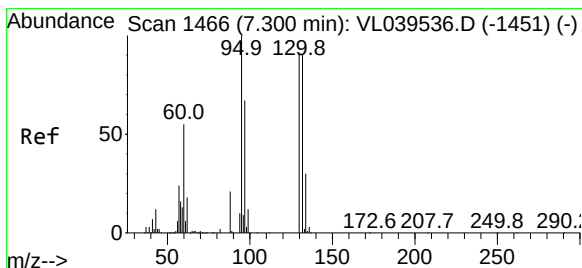
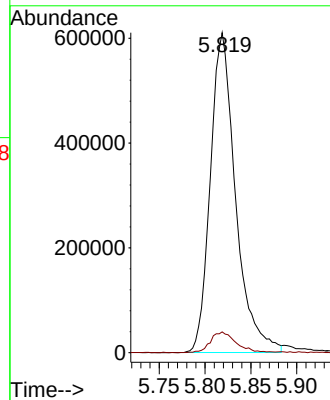
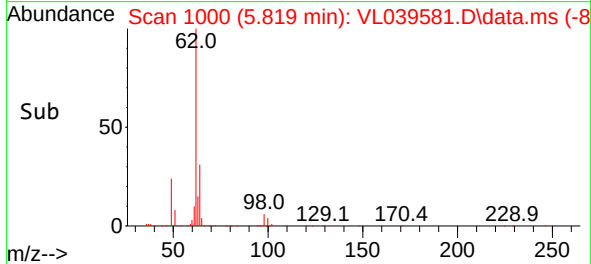
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



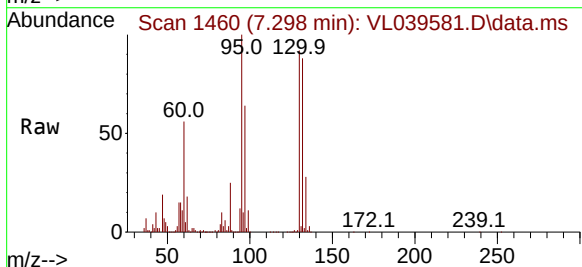
Tgt Ion: 62 Resp: 1170758  
Ion Ratio Lower Upper  
62 100  
98 6.9 5.1 7.7

Manual Integrations  
APPROVED

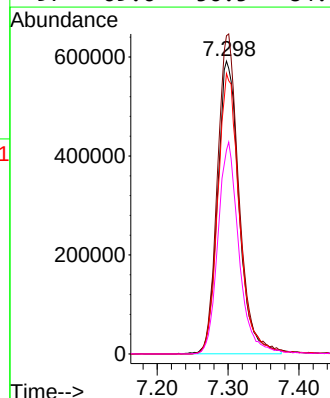
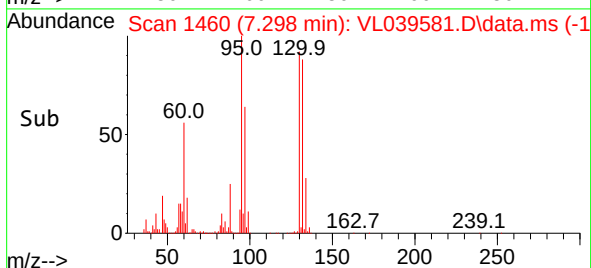
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

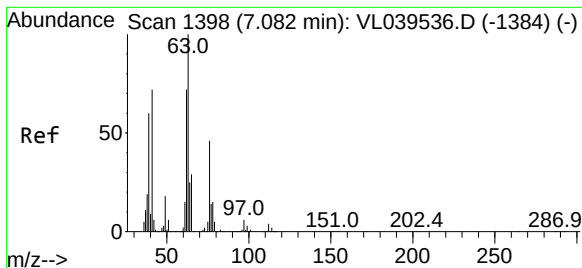


#38  
Trichloroethene  
Concen: 10.750 ppbv  
RT: 7.298 min Scan# 1460  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00



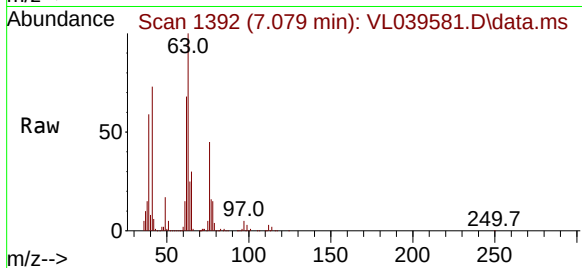
Tgt Ion:130 Resp: 1242684  
Ion Ratio Lower Upper  
130 100  
95 108.8 87.3 130.9  
132 95.9 76.7 115.1  
97 69.6 56.5 84.7





#39  
1,2-Dichloropropane  
Concen: 10.416 ppbv  
RT: 7.079 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

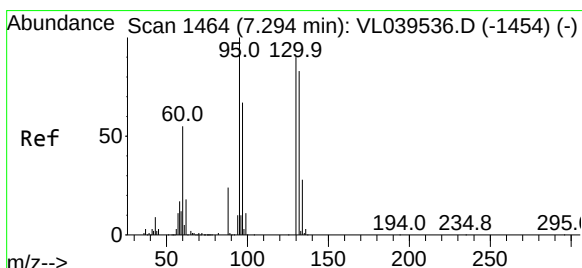
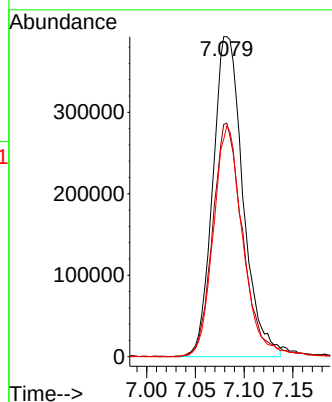
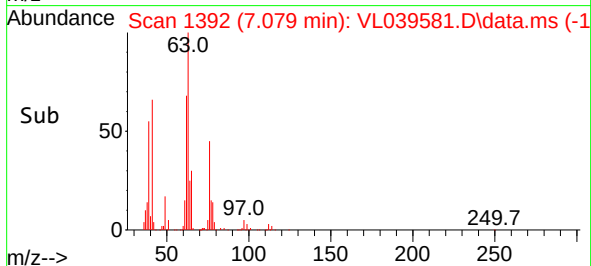
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



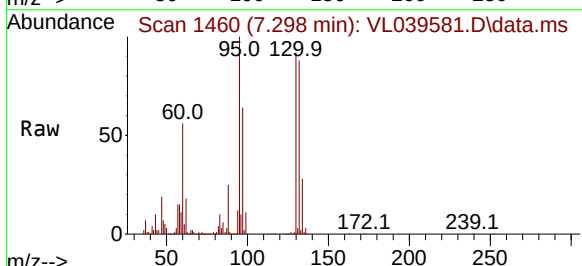
Tgt Ion: 63 Resp: 844879  
Ion Ratio Lower Upper  
63 100  
41 72.5 59.6 89.4  
62 67.8 51.4 77.0

Manual Integrations  
APPROVED

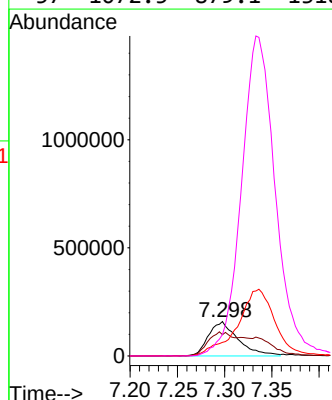
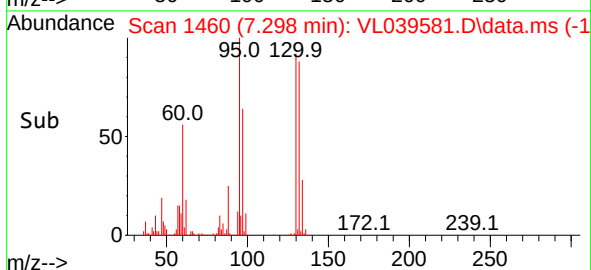
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

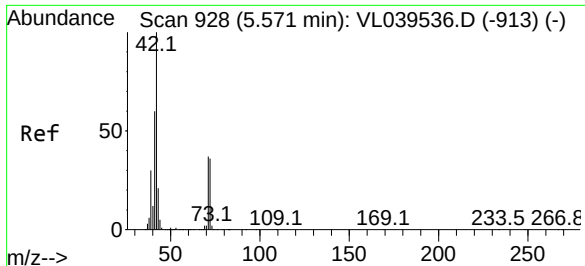


#40  
1,4-Dioxane  
Concen: 10.925 ppbv  
RT: 7.298 min Scan# 1460  
Delta R.T. 0.004 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00



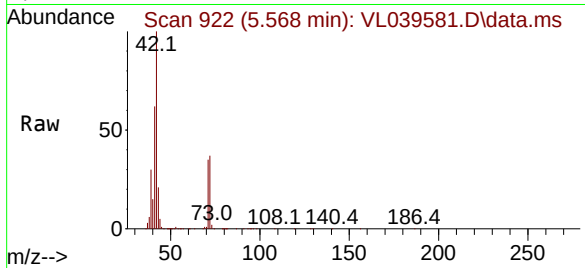
Tgt Ion: 88 Resp: 346968  
Ion Ratio Lower Upper  
88 100  
58 120.5 100.2 150.4  
43 244.6 205.8 308.6  
57 1072.5 879.1 1318.7





#41  
Tetrahydrofuran  
Concen: 10.623 ppbv  
RT: 5.568 min Scan# 91  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

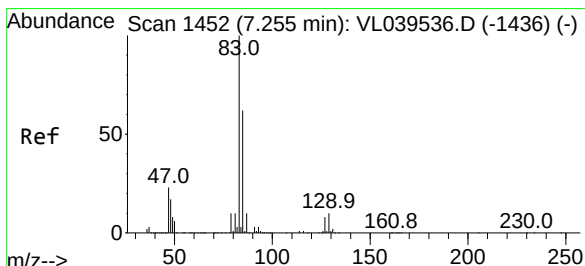
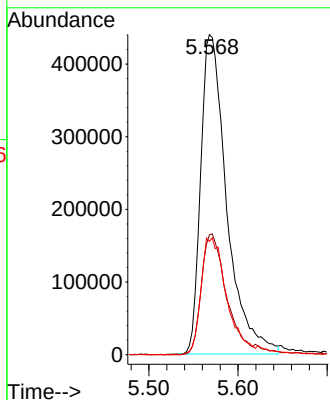
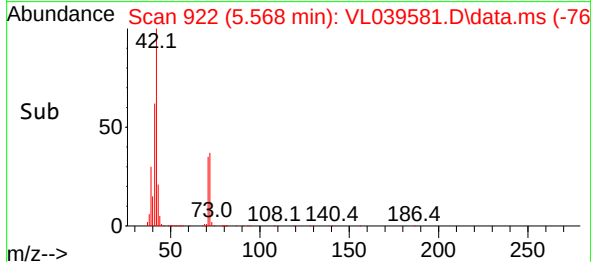
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



Tgt Ion: 42 Resp: 892907  
Ion Ratio Lower Upper  
42 100  
72 38.6 31.8 47.8  
71 38.1 31.8 47.8

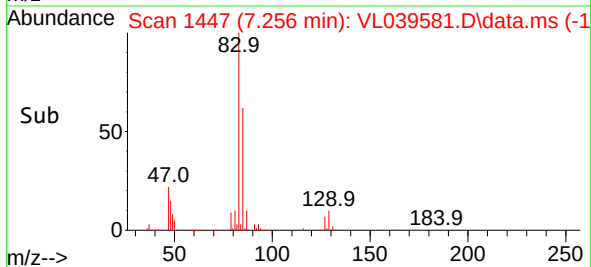
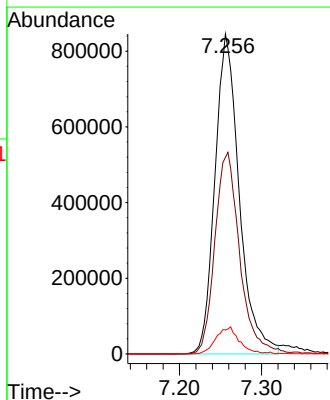
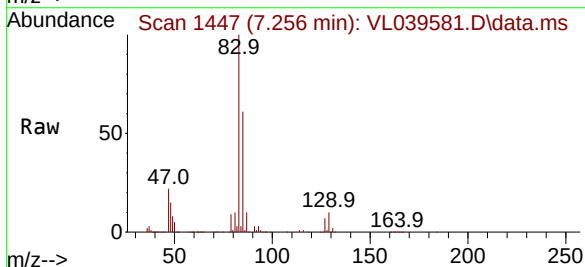
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

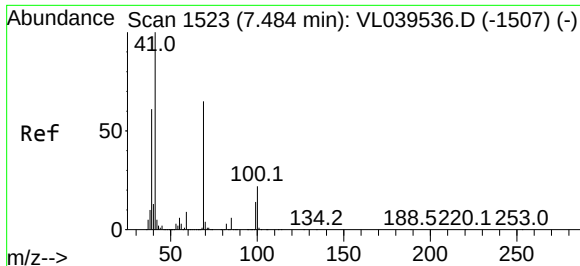


#42  
Bromodichloromethane  
Concen: 10.739 ppbv  
RT: 7.256 min Scan# 1447  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Tgt Ion: 83 Resp: 1746344  
Ion Ratio Lower Upper  
83 100  
85 61.5 50.7 76.1  
127 7.5 6.6 9.8

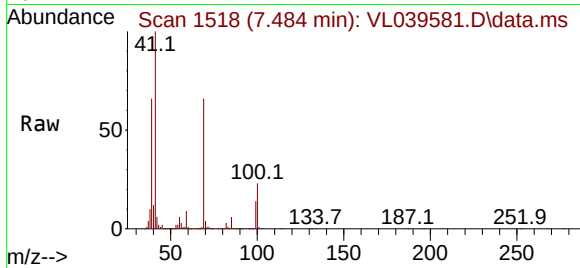






#43  
Methyl Methacrylate  
Concen: 11.225 ppbv  
RT: 7.484 min Scan# 1523  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

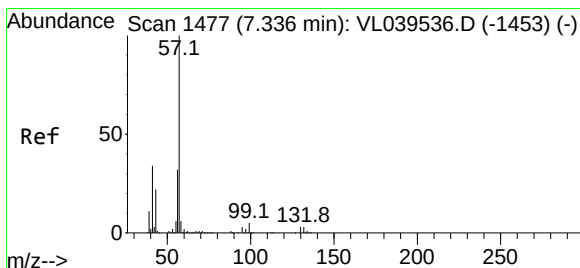
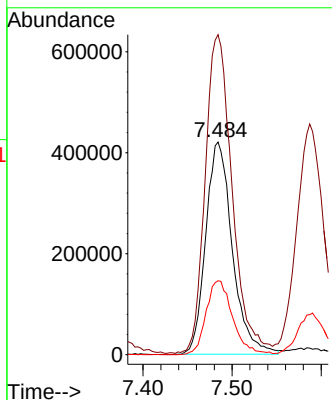
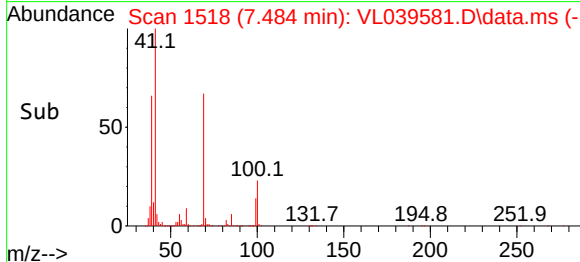
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



Tgt Ion: 69 Resp: 873269  
Ion Ratio Lower Upper  
69 100  
41 153.3 120.8 181.2  
100 34.8 27.8 41.6

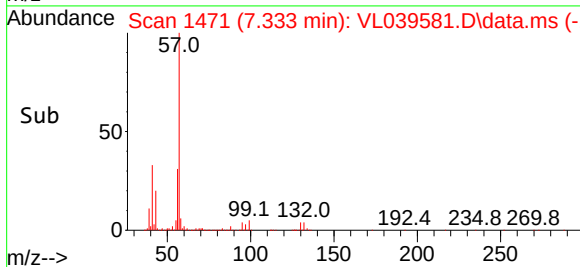
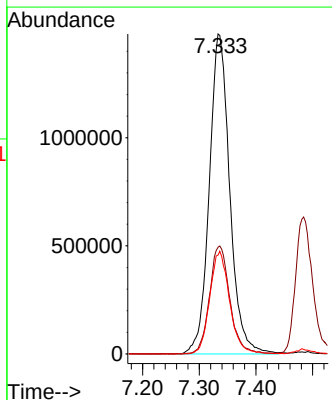
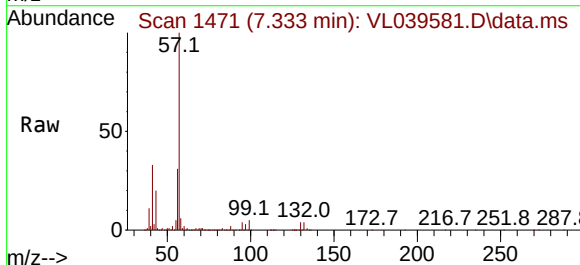
Manual Integrations  
APPROVED

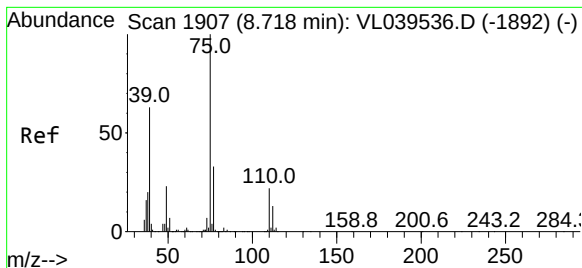
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#44  
2,2,4-Trimethylpentane  
Concen: 10.210 ppbv  
RT: 7.333 min Scan# 1471  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Tgt Ion: 57 Resp: 3713535  
Ion Ratio Lower Upper  
57 100  
41 33.6 27.4 41.2  
56 31.2 24.5 36.7





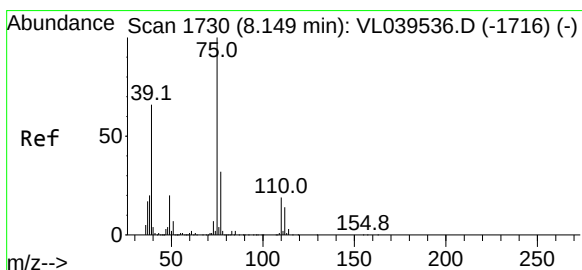
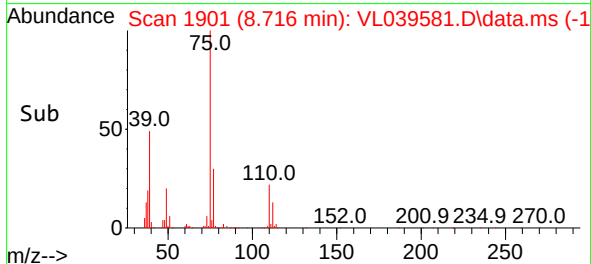
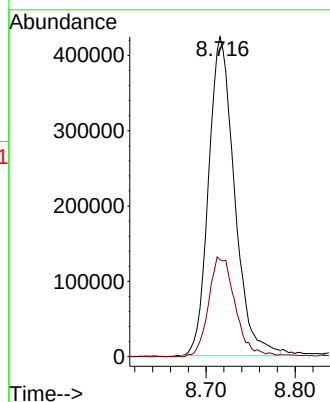
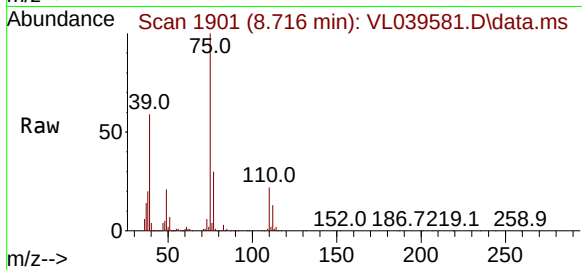
#45  
t-1,3-Dichloropropene  
Concen: 12.632 ppbv  
RT: 8.716 min Scan# 1907  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01

Tgt Ion: 75 Resp: 855830  
Ion Ratio Lower Upper  
75 100  
77 30.3 24.6 36.8

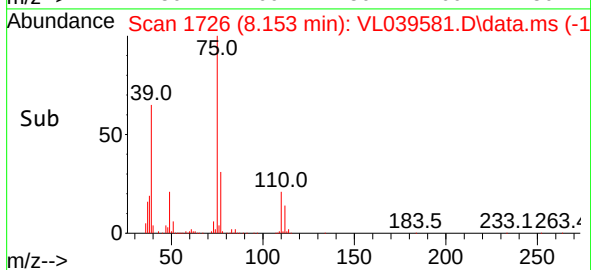
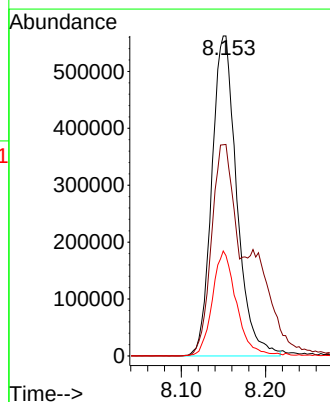
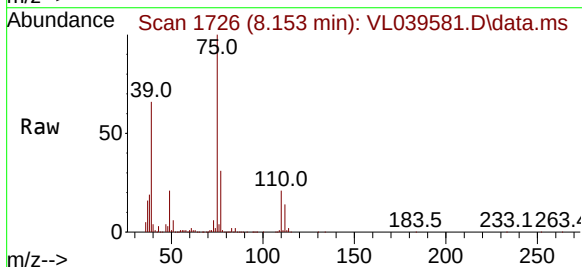
Manual Integrations  
APPROVED

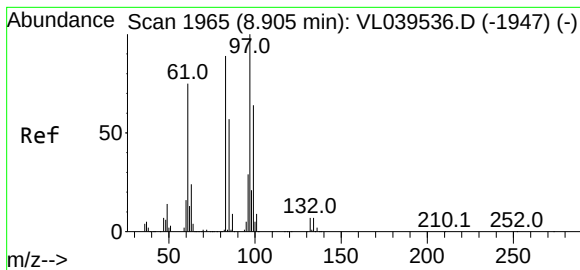
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#46  
cis-1,3-Dichloropropene  
Concen: 12.308 ppbv  
RT: 8.153 min Scan# 1726  
Delta R.T. 0.004 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

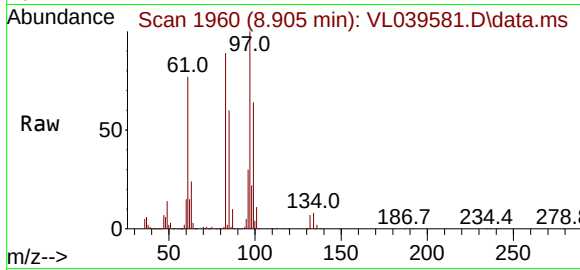
Tgt Ion: 75 Resp: 1155076  
Ion Ratio Lower Upper  
75 100  
39 66.0 55.0 82.4  
77 31.4 25.7 38.5





#47  
1,1,2-Trichloroethane  
Concen: 9.717 ppbv  
RT: 8.905 min Scan# 1965  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

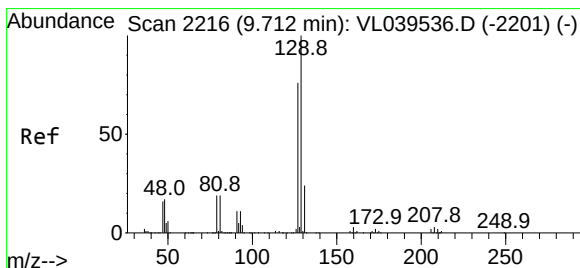
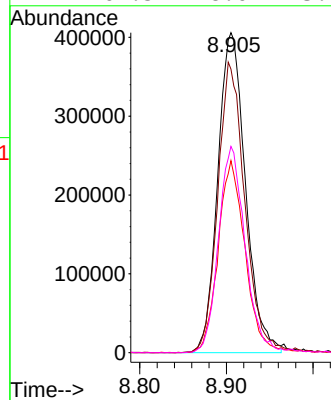
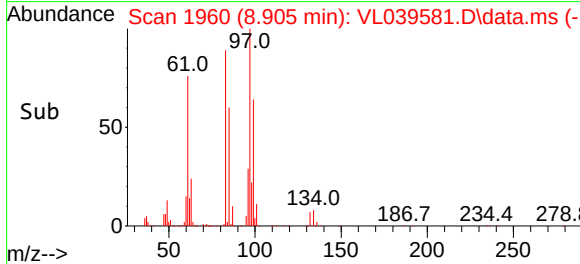
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



Tgt Ion: 97 Resp: 900120  
Ion Ratio Lower Upper  
97 100  
83 88.5 67.4 101.0  
85 59.9 45.1 67.7  
99 64.5 48.6 73.0

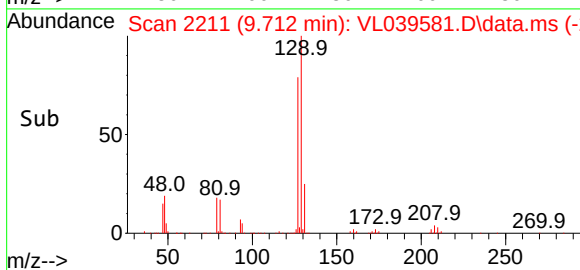
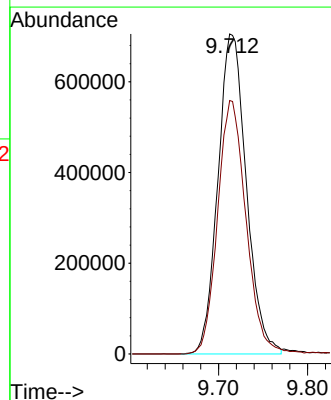
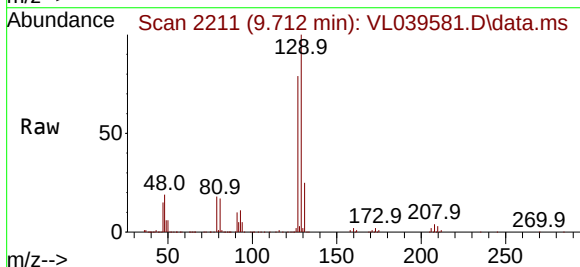
Manual Integrations  
APPROVED

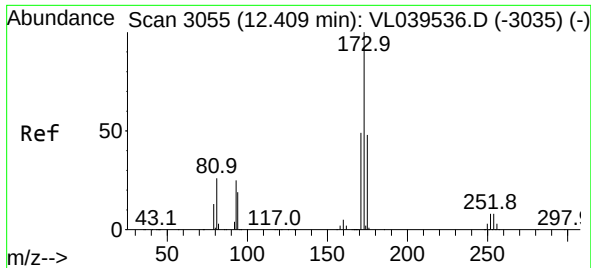
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#48  
Dibromochloromethane  
Concen: 11.456 ppbv  
RT: 9.712 min Scan# 2211  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

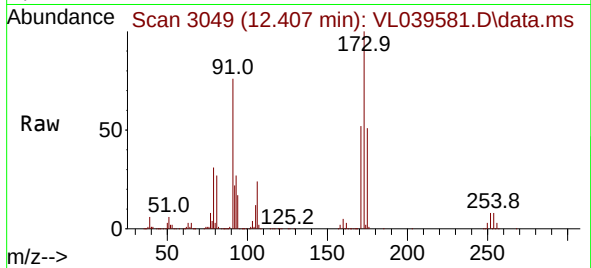
Tgt Ion:129 Resp: 1564353  
Ion Ratio Lower Upper  
129 100  
127 79.7 39.3 117.9





#49  
Bromoform  
Concen: 11.840 ppbv  
RT: 12.407 min Scan# 3055  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

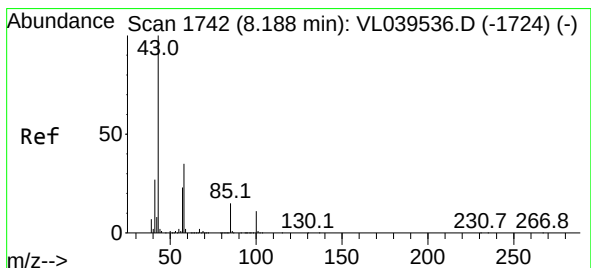
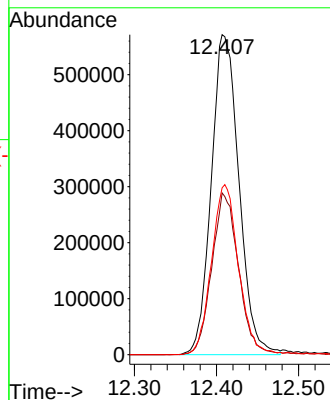
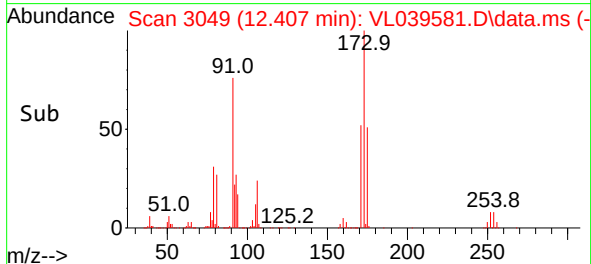
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



Tgt Ion: 173 Resp: 1339154  
Ion Ratio Lower Upper  
173 100  
175 49.4 40.3 60.5  
171 52.3 42.9 64.3

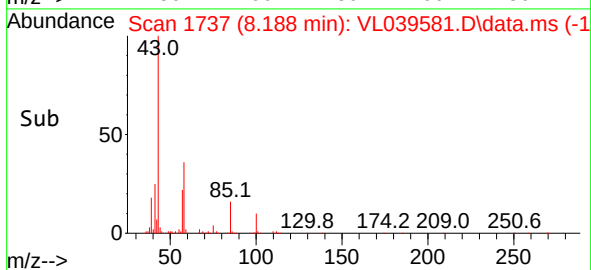
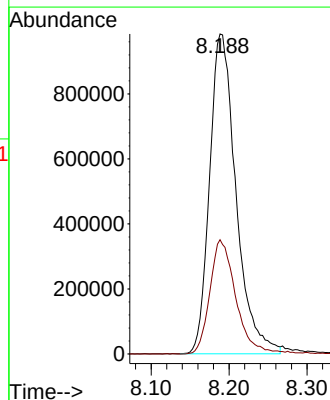
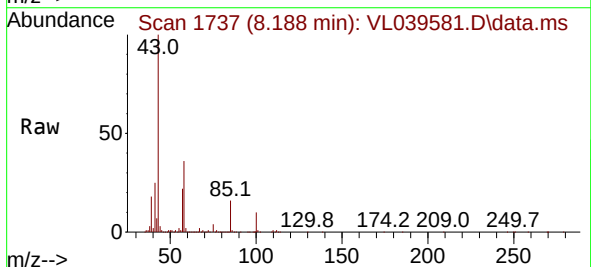
Manual Integrations  
APPROVED

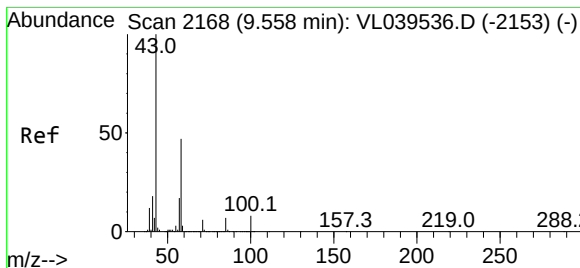
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#50  
4-Methyl-2-Pentanone  
Concen: 10.564 ppbv  
RT: 8.188 min Scan# 1737  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

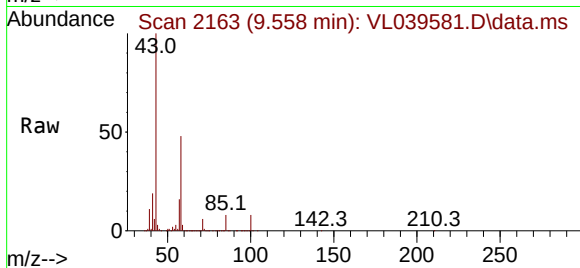
Tgt Ion: 43 Resp: 2315734  
Ion Ratio Lower Upper  
43 100  
58 35.6 28.8 43.2





#51  
2-Hexanone  
Concen: 10.962 ppbv  
RT: 9.558 min Scan# 2168  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

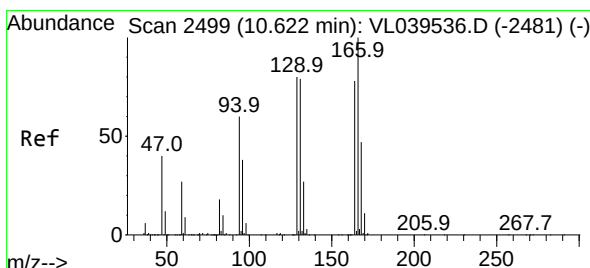
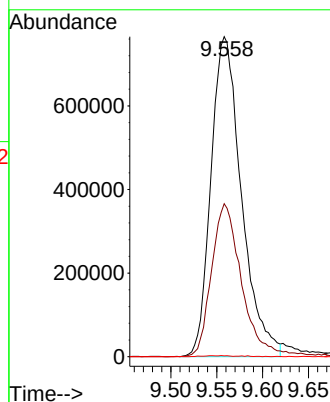
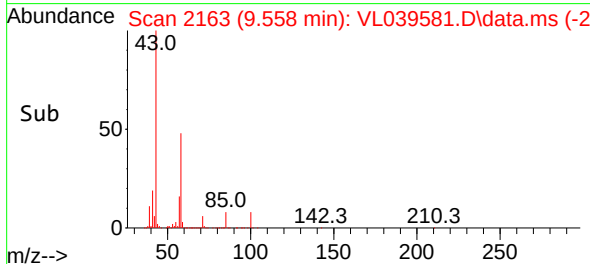
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



Tgt Ion: 43 Resp: 176855  
Ion Ratio Lower Upper  
43 100  
58 48.1 38.4 57.6  
98 0.3 0.3 0.5

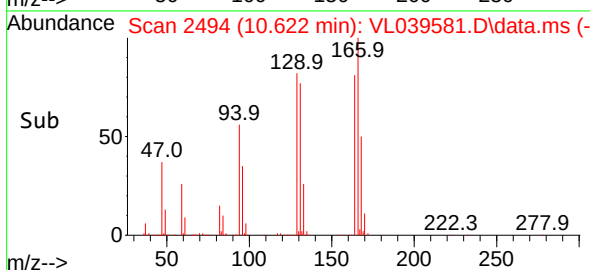
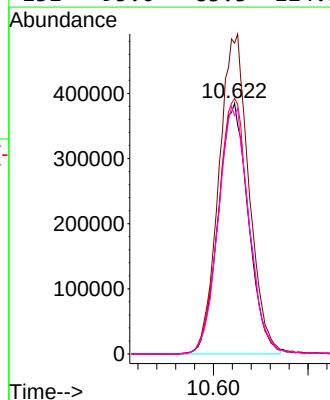
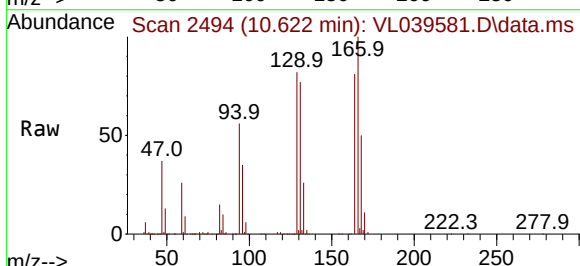
Manual Integrations  
APPROVED

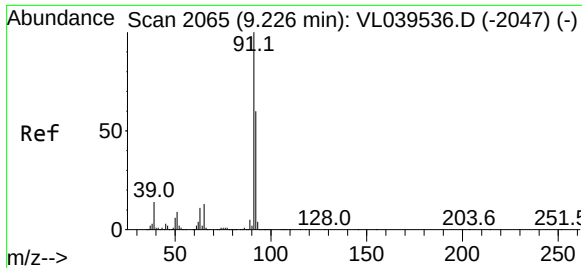
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#52  
Tetrachloroethene  
Concen: 10.420 ppbv  
RT: 10.622 min Scan# 2494  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

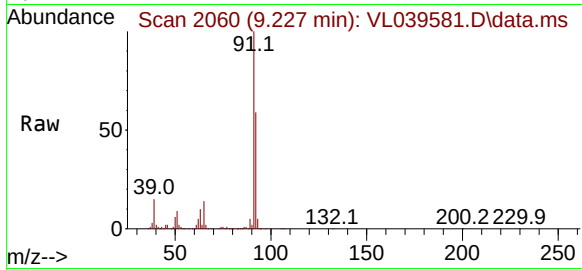
Tgt Ion:164 Resp: 850553  
Ion Ratio Lower Upper  
164 100  
166 123.9 102.2 153.2  
129 101.9 85.8 128.8  
131 95.0 83.3 124.9





#53  
Toluene  
Concen: 10.844 ppbv  
RT: 9.227 min Scan# 2065  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

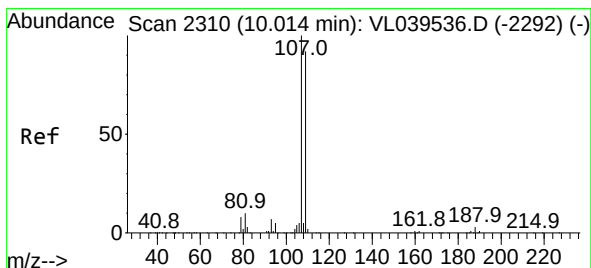
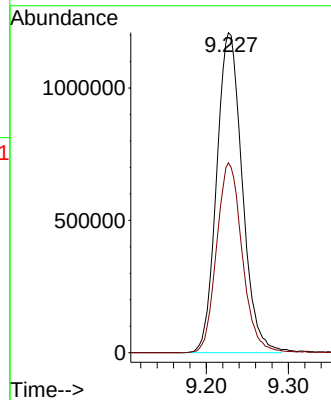
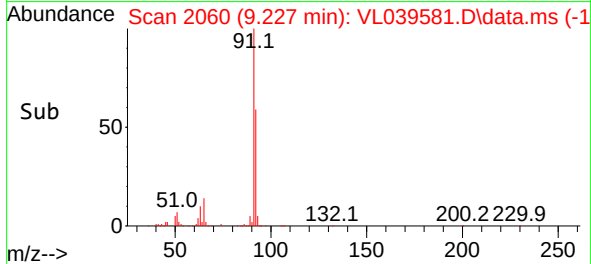
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



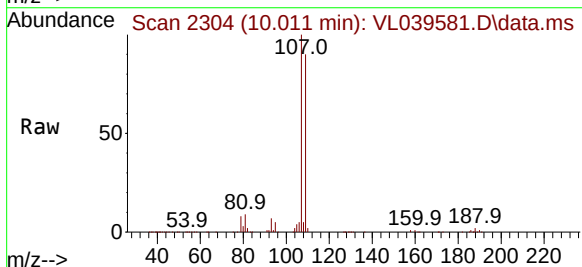
Tgt Ion: 91 Resp: 261842  
Ion Ratio Lower Upper  
91 100  
92 59.6 48.2 72.2

Manual Integrations  
APPROVED

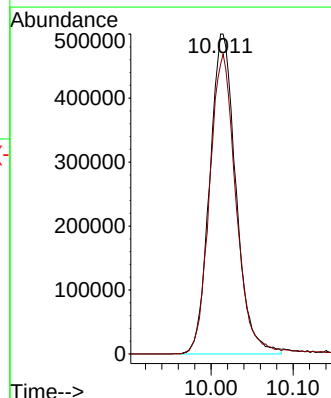
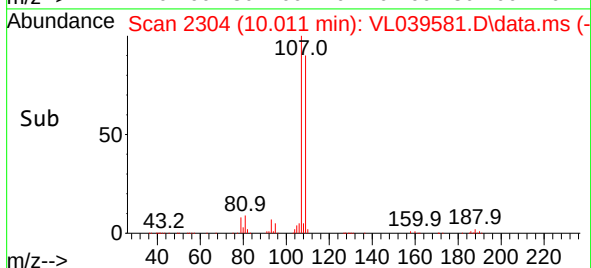
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

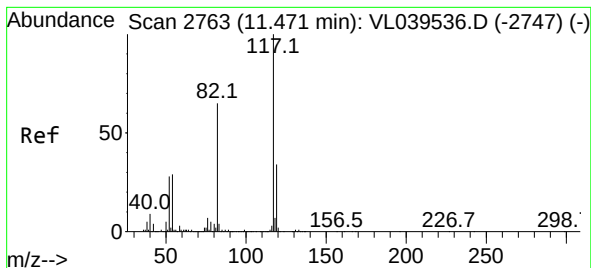


#54  
1,2-Dibromoethane  
Concen: 10.692 ppbv  
RT: 10.011 min Scan# 2304  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00



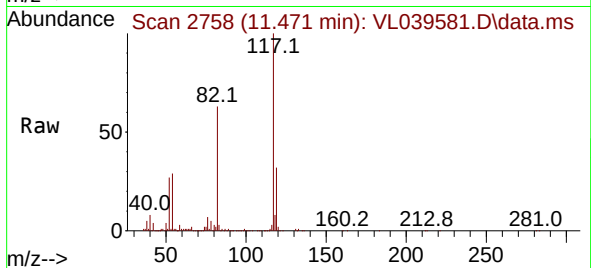
Tgt Ion:107 Resp: 1107823  
Ion Ratio Lower Upper  
107 100  
109 90.4 74.8 112.2





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.471 min Scan# 2763  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

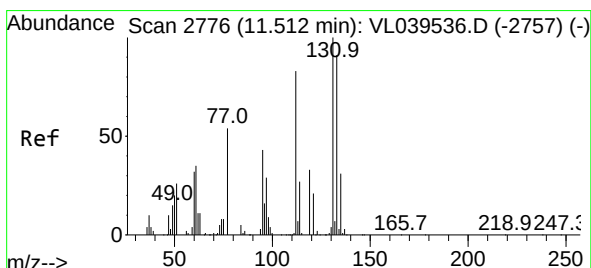
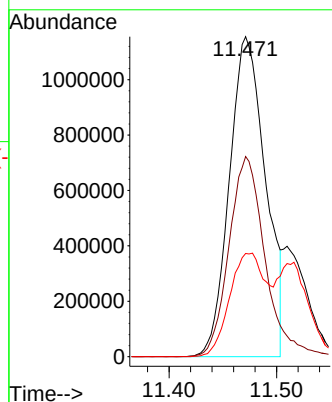
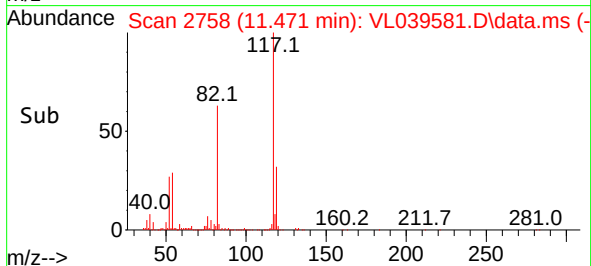
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



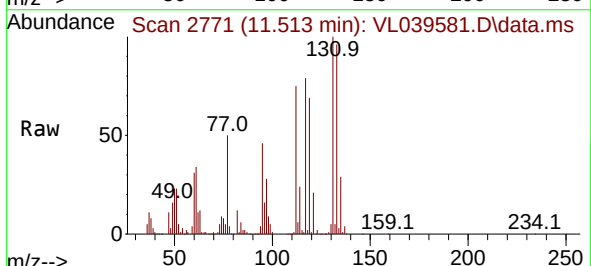
Tgt Ion:117 Resp: 269711  
Ion Ratio Lower Upper  
117 100  
82 63.2 50.8 76.2  
119 33.5 24.1 36.1

Manual Integrations  
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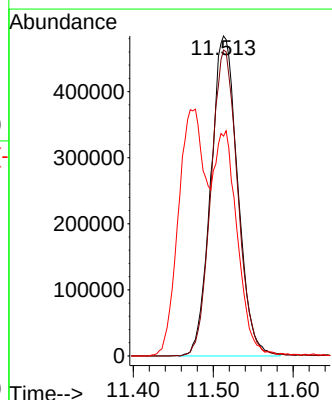
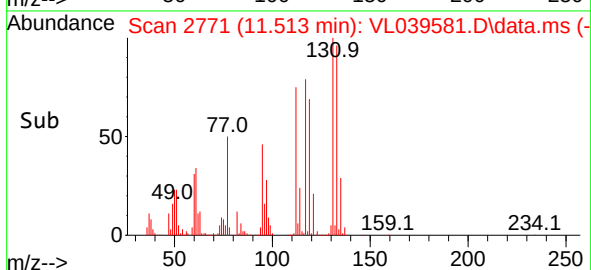
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

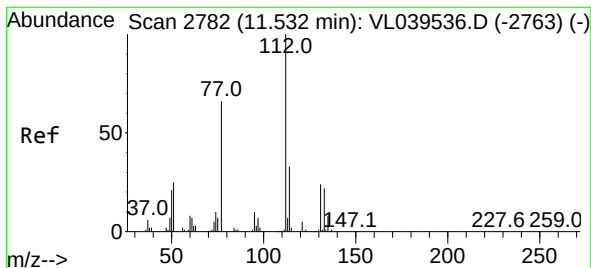


#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.311 ppbv  
RT: 11.513 min Scan# 2771  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00



Tgt Ion:131 Resp: 1129981  
Ion Ratio Lower Upper  
131 100  
133 95.3 76.8 115.2  
119 64.4 46.2 69.4





#57

Chlorobenzene

Concen: 9.798 ppbv

RT: 11.532 min Scan# 21

Delta R.T. 0.001 min

Lab File: VL039581.D

Acq: 25 Aug 2022 17:00

Instrument :

MSVOA\_L

ClientSampleId :

VL0825ABS01

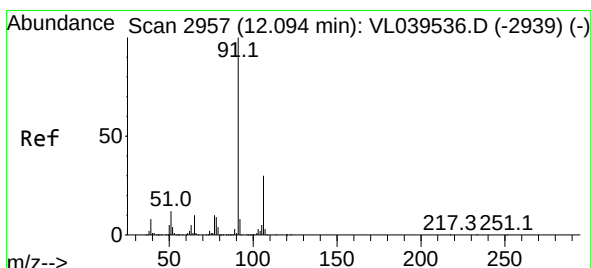
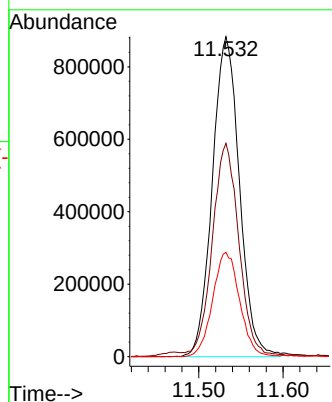
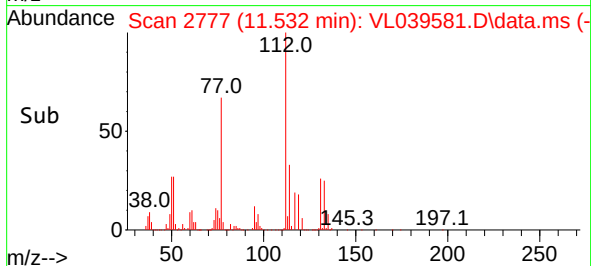
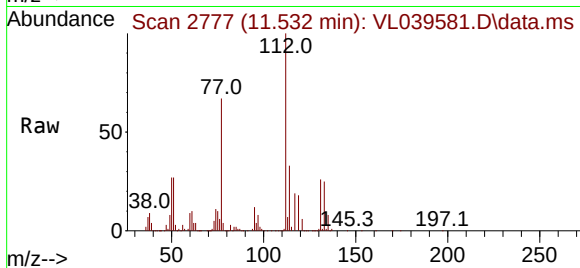
Tgt Ion:112 Resp: 197157

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 77  | 66.0  | 51.0  | 76.4  |
| 114 | 32.5  | 27.5  | 33.6  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#58

Ethyl Benzene

Concen: 11.045 ppbv

RT: 12.095 min Scan# 2952

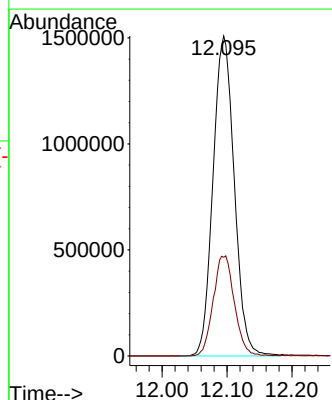
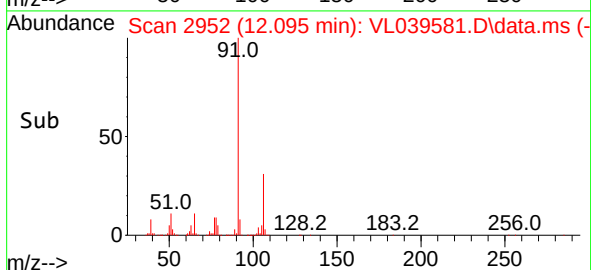
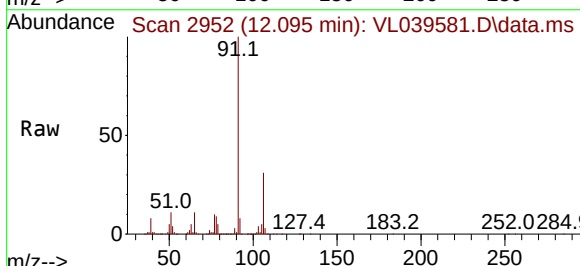
Delta R.T. 0.001 min

Lab File: VL039581.D

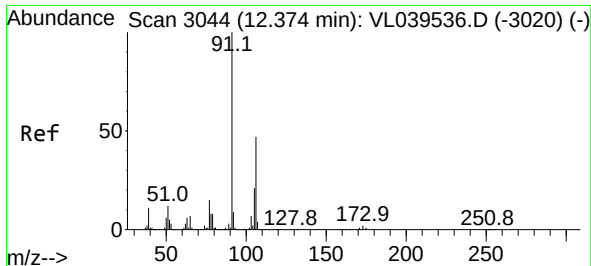
Acq: 25 Aug 2022 17:00

Tgt Ion: 91 Resp: 3422526

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 30.8  | 25.4  | 38.0  |







#59

m/p-Xylene

Concen: 20.609 ppbv m

RT: 12.378 min Scan# 3044

Delta R.T. 0.004 min

Lab File: VL039581.D

Acq: 25 Aug 2022 17:00

Instrument :

MSVOA\_L

ClientSampleId :

VL0825ABS01

Tgt Ion: 91 Resp: 5729384

Ion Ratio Lower Upper

91 100

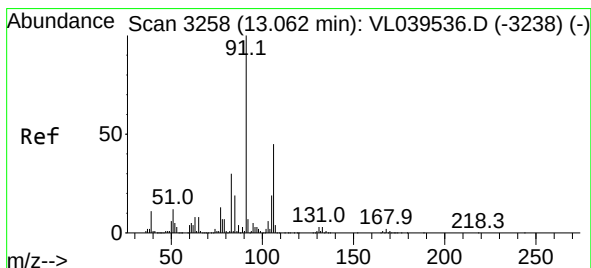
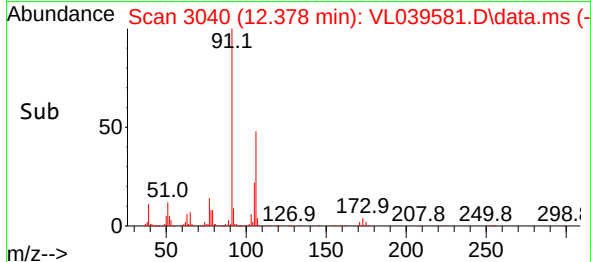
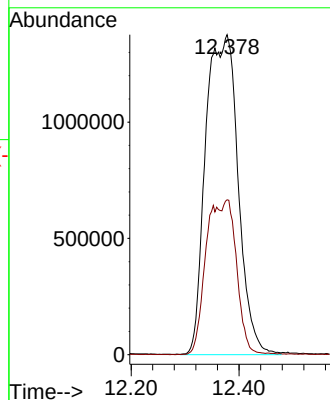
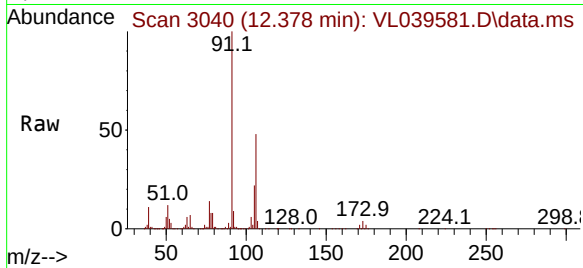
106 45.5 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#60

o-Xylene

Concen: 10.279 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.001 min

Lab File: VL039581.D

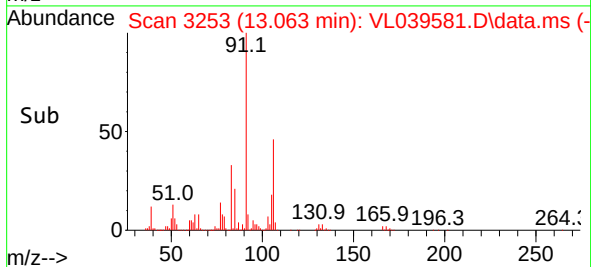
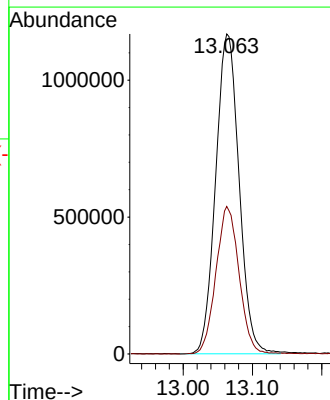
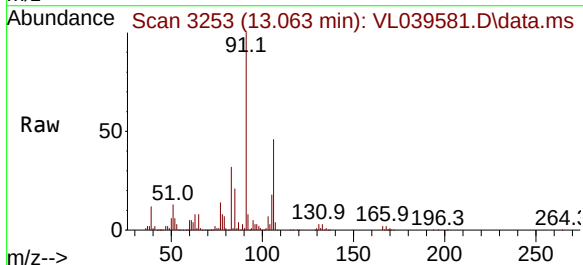
Acq: 25 Aug 2022 17:00

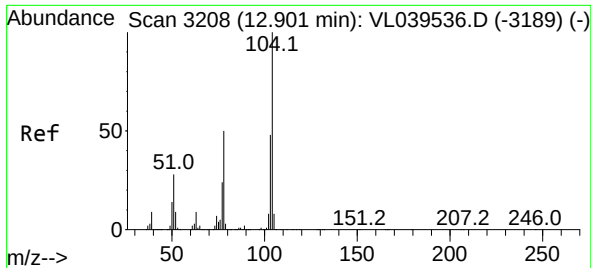
Tgt Ion: 91 Resp: 2742962

Ion Ratio Lower Upper

91 100

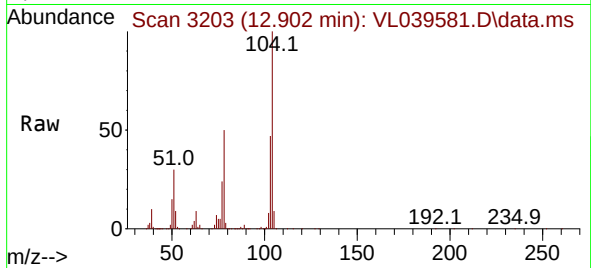
106 45.8 22.4 67.3





#61  
Styrene  
Concen: 11.698 ppbv  
RT: 12.902 min Scan# 3189  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

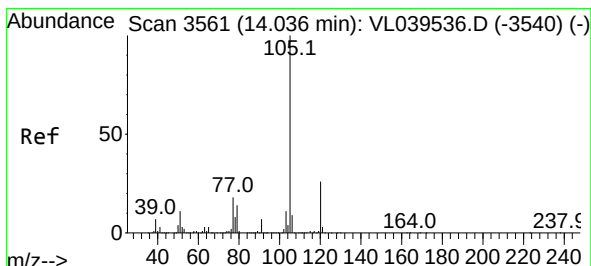
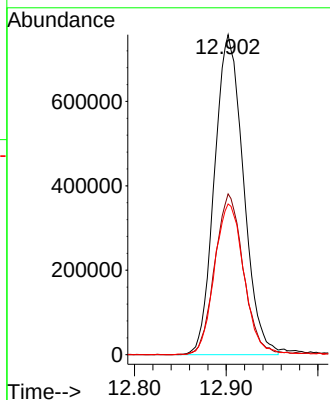
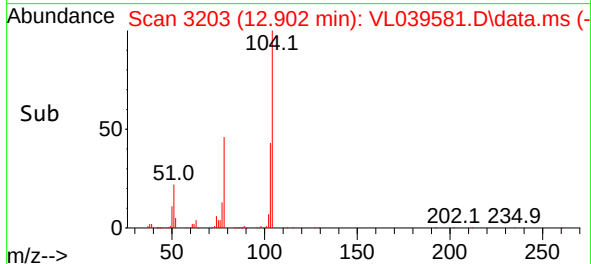
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



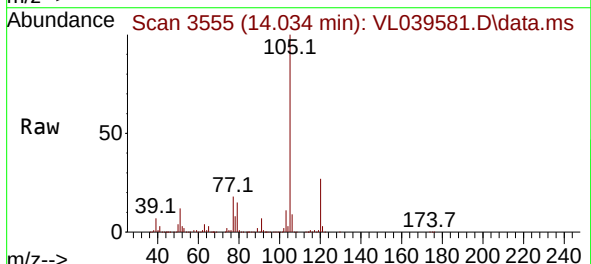
Tgt Ion:104 Resp: 1662570  
Ion Ratio Lower Upper  
104 100  
78 50.3 41.2 61.8  
103 48.2 38.7 58.1

Manual Integrations  
APPROVED

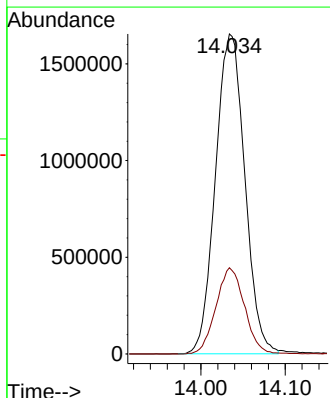
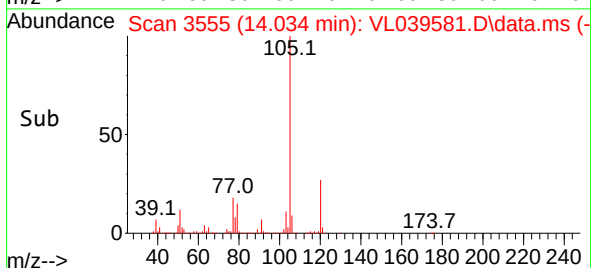
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

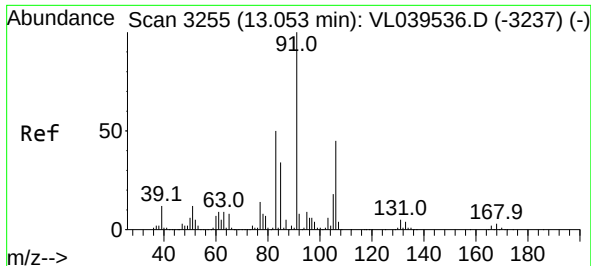


#62  
Isopropylbenzene  
Concen: 9.913 ppbv  
RT: 14.034 min Scan# 3555  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00



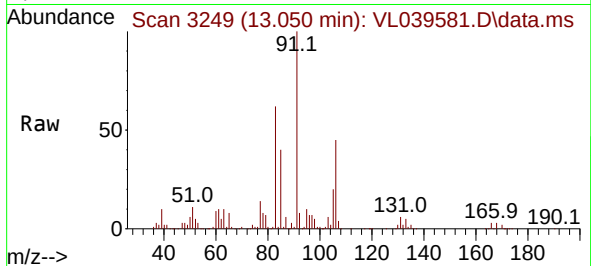
Tgt Ion:105 Resp: 4000206  
Ion Ratio Lower Upper  
105 100  
120 26.3 20.7 31.1





#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.959 ppbv  
RT: 13.050 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

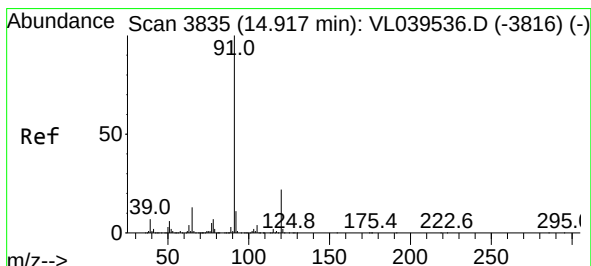
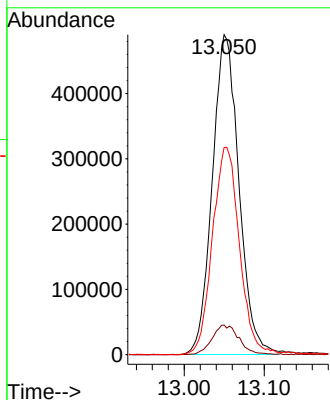
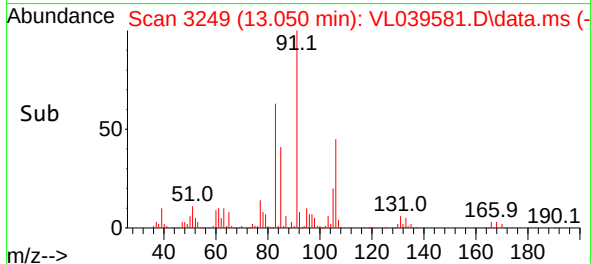
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



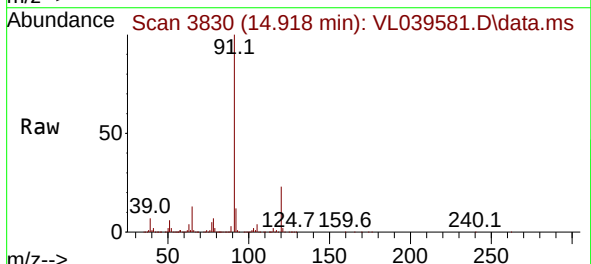
Tgt Ion: 83 Resp: 113215  
Ion Ratio Lower Upper  
83 100  
131 9.5 5.3 15.8  
85 66.7 33.1 99.5

Manual Integrations  
APPROVED

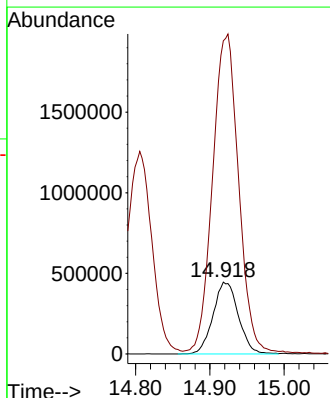
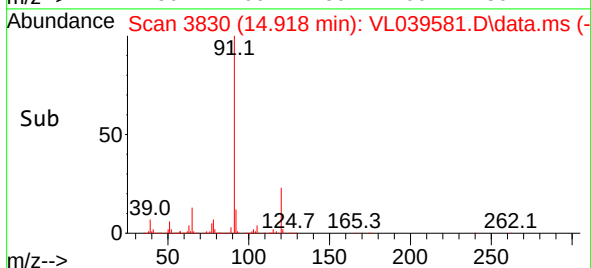
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

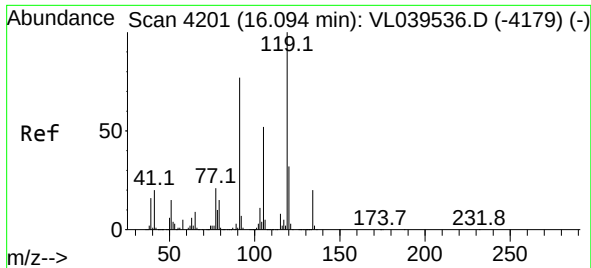


#64  
n-propylbenzene  
Concen: 10.069 ppbv  
RT: 14.918 min Scan# 3830  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00



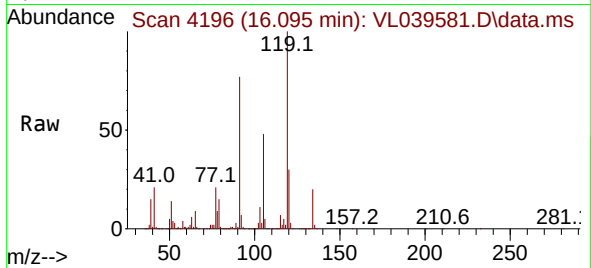
Tgt Ion:120 Resp: 1056028  
Ion Ratio Lower Upper  
120 100  
91 461.0 367.2 550.8





#65  
tert-Butylbenzene  
Concen: 9.893 ppbv  
RT: 16.095 min Scan# 4119  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

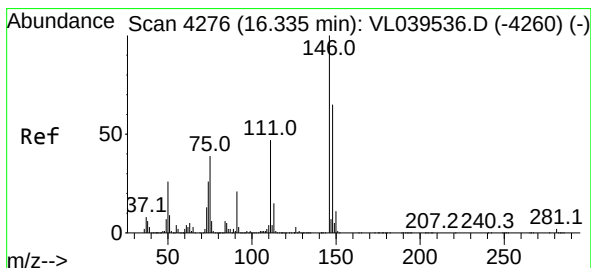
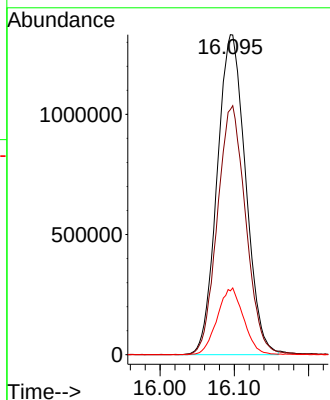
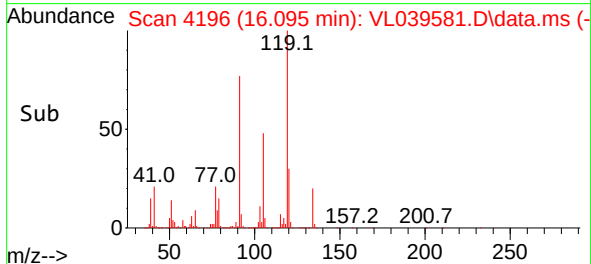
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



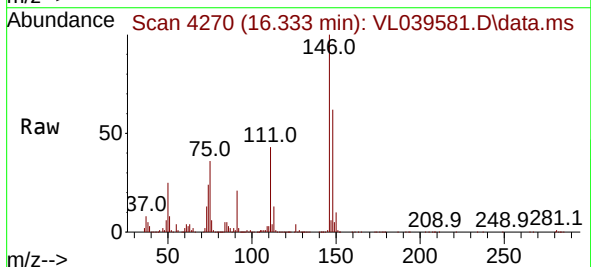
Tgt Ion: 119 Resp: 3548772  
Ion Ratio Lower Upper  
119 100  
91 77.7 63.4 95.2  
134 19.4 15.9 23.9

Manual Integrations  
APPROVED

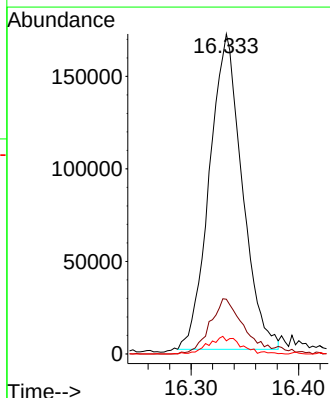
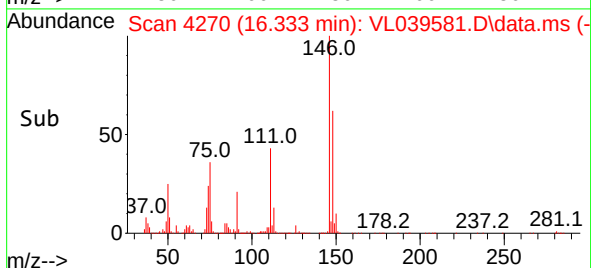
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022

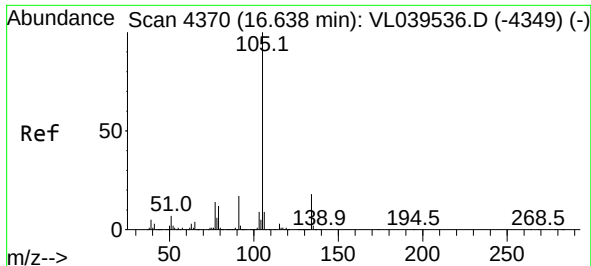


#66  
Benzyl Chloride  
Concen: 12.383 ppbv  
RT: 16.333 min Scan# 4270  
Delta R.T. -0.003 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00



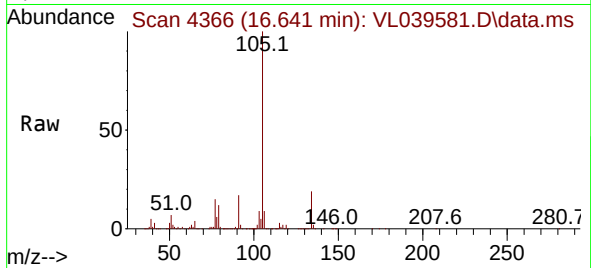
Tgt Ion: 91 Resp: 360801  
Ion Ratio Lower Upper  
91 100  
126 19.2 13.1 19.7  
128 5.5 4.4 6.6





#67  
 sec-Butylbenzene  
 Concen: 9.565 ppbv  
 RT: 16.641 min Scan# 41  
 Delta R.T. 0.004 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00

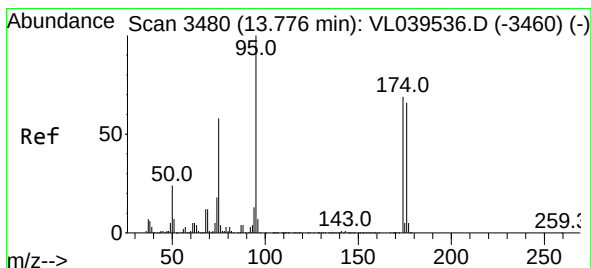
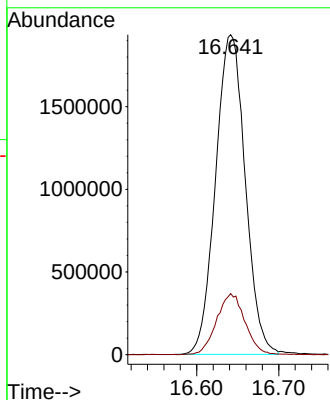
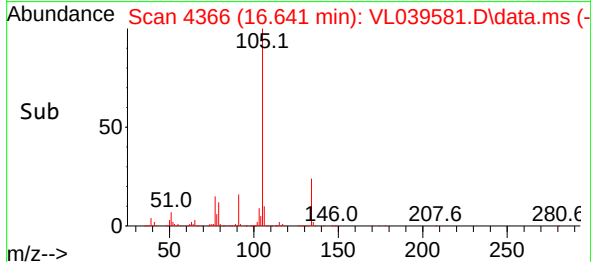
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0825ABS01



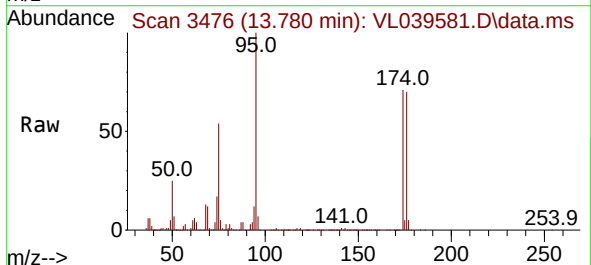
Tgt Ion:105 Resp: 485946  
 Ion Ratio Lower Upper  
 105 100  
 134 18.5 14.8 22.2

Manual Integrations  
 APPROVED

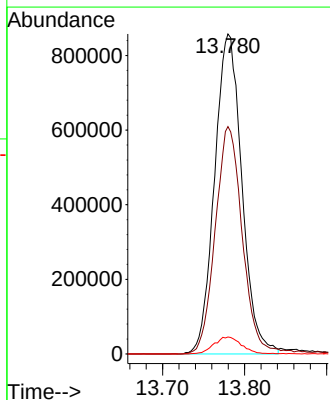
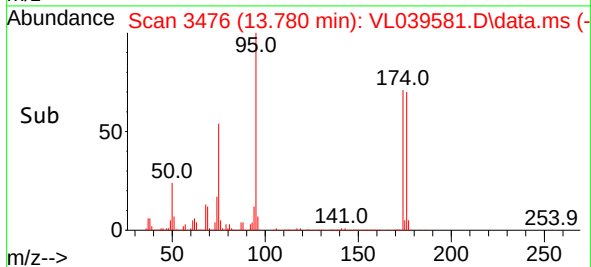
Reviewed By :Mahesh Dadoda 08/29/2022  
 Supervised By :Semsettin Yesilyurt 08/29/2022

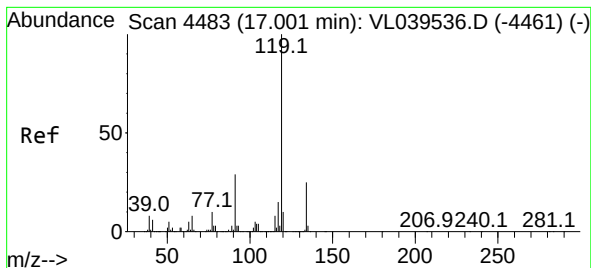


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.763 ppbv  
 RT: 13.780 min Scan# 3476  
 Delta R.T. 0.004 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00



Tgt Ion: 95 Resp: 1986559  
 Ion Ratio Lower Upper  
 95 100  
 174 71.6 55.9 83.9  
 175 5.5 4.2 6.4





#69

p-Isopropyltoluene

Concen: 9.807 ppbv

RT: 16.998 min Scan# 4483

Delta R.T. -0.003 min

Lab File: VL039581.D

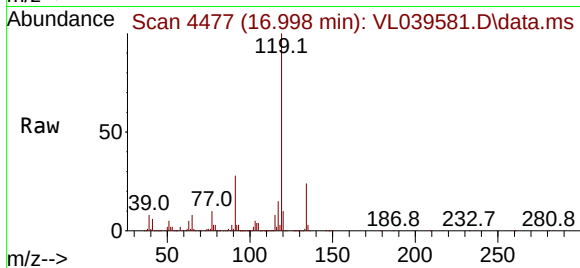
Acq: 25 Aug 2022 17:00

Instrument :

MSVOA\_L

ClientSampleId :

VL0825ABS01



Tgt Ion: 119 Resp: 4136170

Ion Ratio Lower Upper

119 100

134 25.3 20.3 30.5

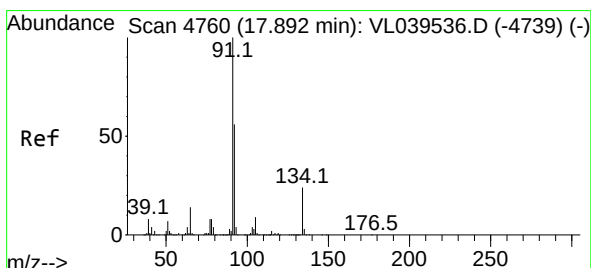
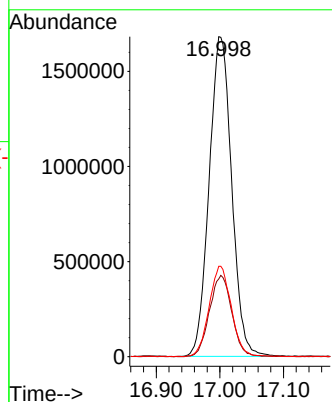
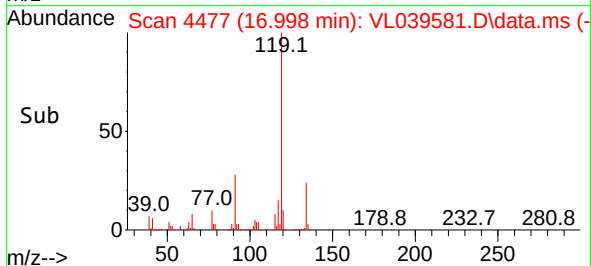
91 27.6 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#70

n-Butylbenzene

Concen: 9.787 ppbv

RT: 17.892 min Scan# 4755

Delta R.T. 0.001 min

Lab File: VL039581.D

Acq: 25 Aug 2022 17:00

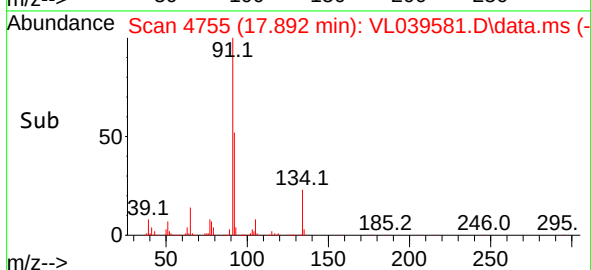
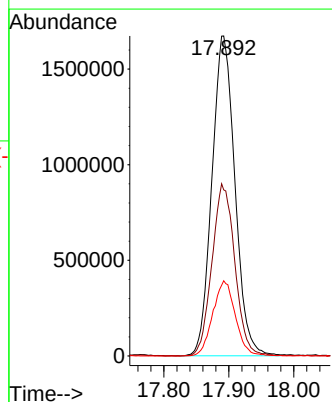
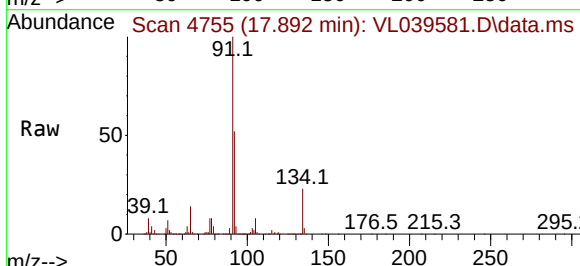
Tgt Ion: 91 Resp: 4106374

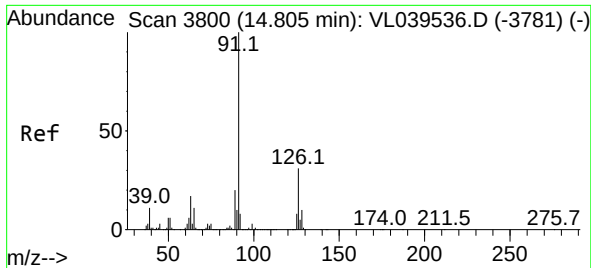
Ion Ratio Lower Upper

91 100

92 53.6 43.4 65.2

134 23.2 18.9 28.3





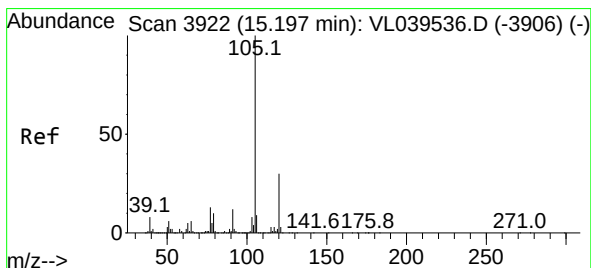
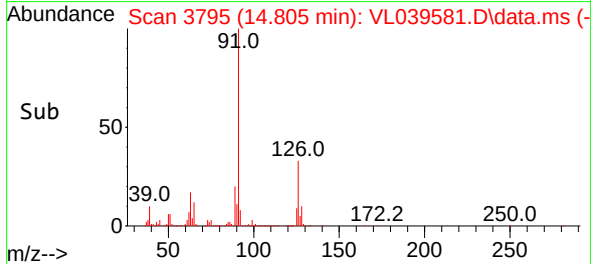
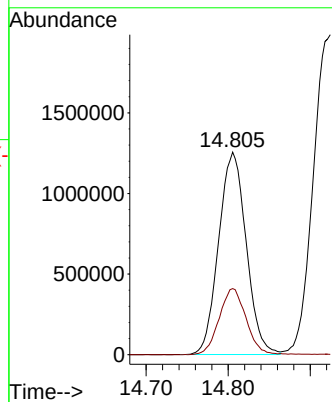
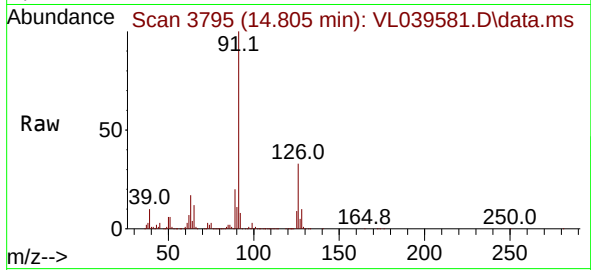
#71  
2-Chlorotoluene  
Concen: 10.059 ppbv  
RT: 14.805 min Scan# 31  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01

Tgt Ion: 91 Resp: 2939964  
Ion Ratio Lower Upper  
91 100  
126 32.3 13.0 51.8

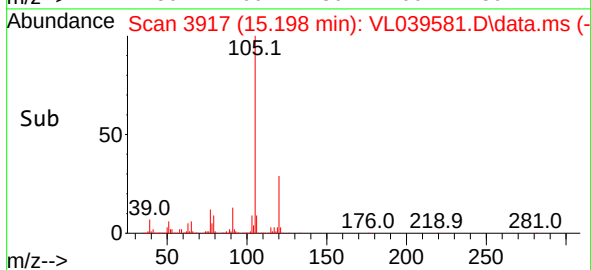
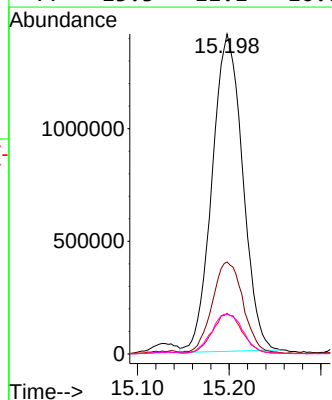
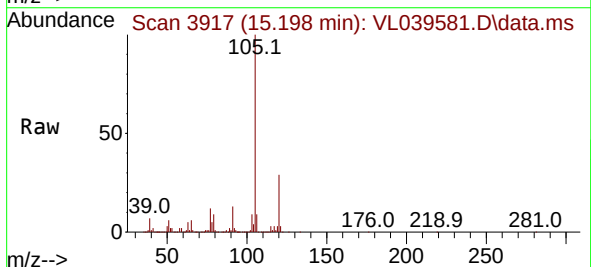
Manual Integrations  
APPROVED

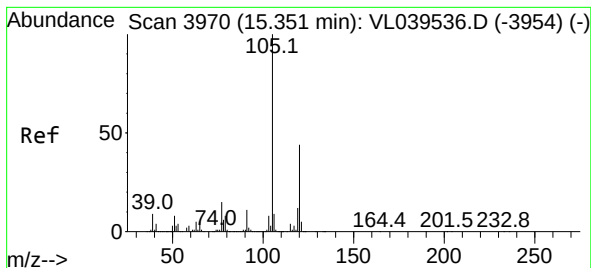
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#72  
4-Ethyltoluene  
Concen: 10.430 ppbv  
RT: 15.198 min Scan# 3917  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

Tgt Ion:105 Resp: 3254407  
Ion Ratio Lower Upper  
105 100  
120 30.9 24.2 36.2  
91 12.4 10.2 15.4  
77 13.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.147 ppbv

RT: 15.355 min Scan# 3970

Delta R.T. 0.004 min

Lab File: VL039581.D

Acq: 25 Aug 2022 17:00

Instrument :

MSVOA\_L

ClientSampleId :

VL0825ABS01

Tgt Ion:105 Resp: 2893470

Ion Ratio Lower Upper

105 100

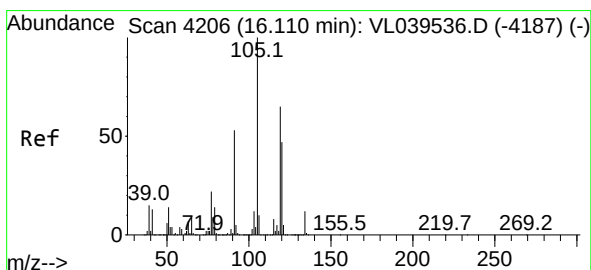
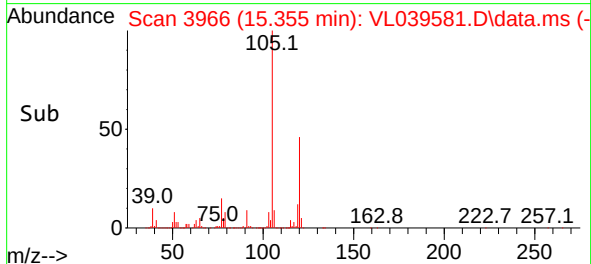
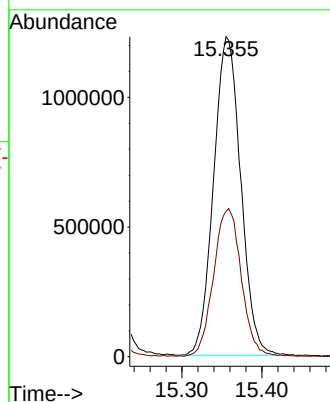
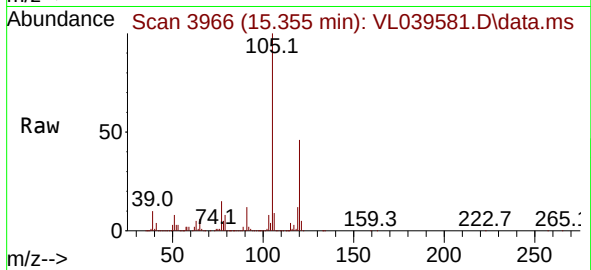
120 45.5 38.2 57.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#74

1,2,4-Trimethylbenzene

Concen: 9.721 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. 0.004 min

Lab File: VL039581.D

Acq: 25 Aug 2022 17:00

Tgt Ion:105 Resp: 3088699

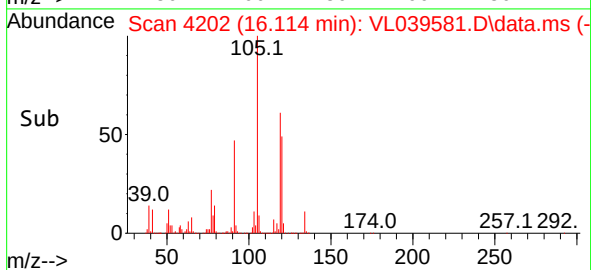
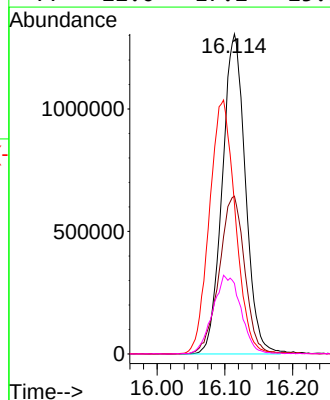
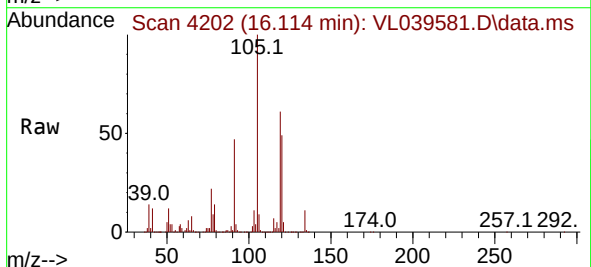
Ion Ratio Lower Upper

105 100

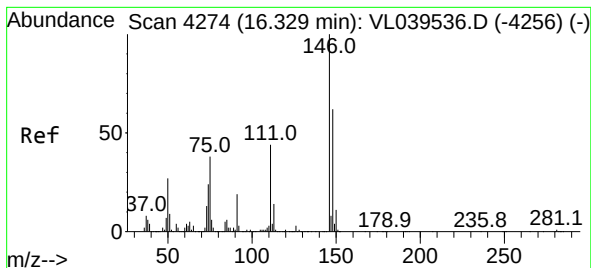
120 49.3 39.5 59.3

91 46.8 39.2 58.8

77 22.0 17.2 25.8







#75

1,3-Dichlorobenzene

Concen: 9.733 ppbv

RT: 16.333 min Scan# 4314

Delta R.T. 0.004 min

Lab File: VL039581.D

Acq: 25 Aug 2022 17:00

Instrument :

MSVOA\_L

ClientSampleId :

VL0825ABS01

Tgt Ion:146 Resp: 1880090

Ion Ratio Lower Upper

146 100

111 45.0 22.9 68.7

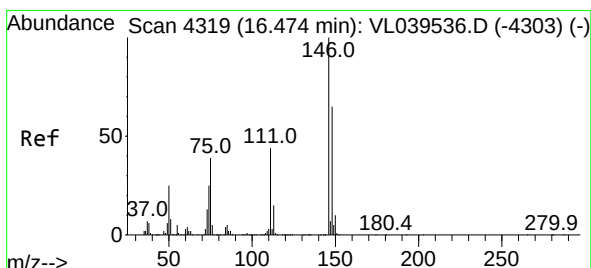
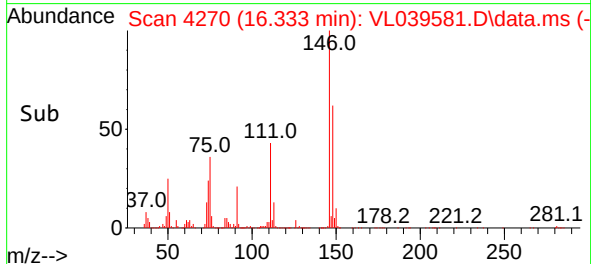
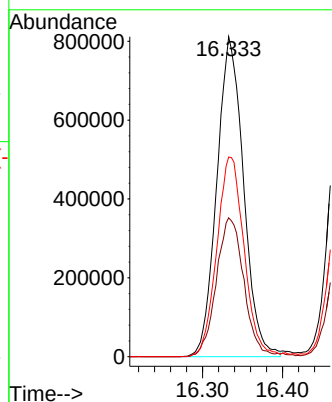
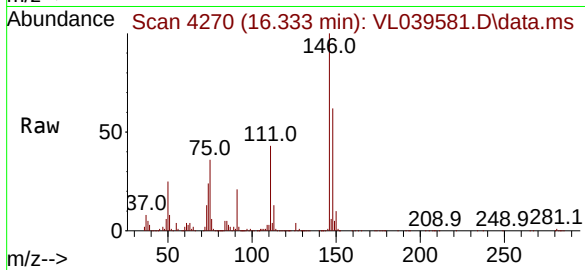
148 64.3 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#76

1,4-Dichlorobenzene

Concen: 9.474 ppbv

RT: 16.474 min Scan# 4314

Delta R.T. 0.001 min

Lab File: VL039581.D

Acq: 25 Aug 2022 17:00

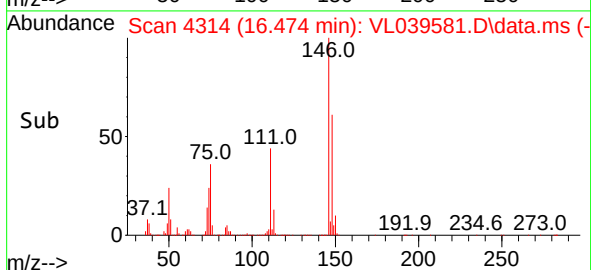
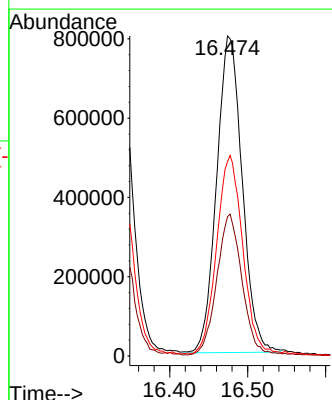
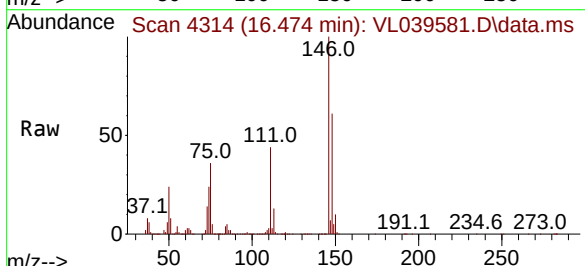
Tgt Ion:146 Resp: 1823406

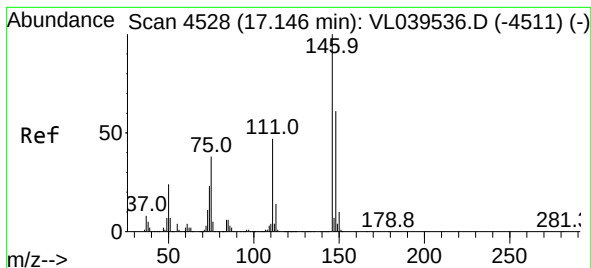
Ion Ratio Lower Upper

146 100

111 44.9 22.9 68.8

148 66.2 33.6 100.8





#77

1,2-Dichlorobenzene

Concen: 9.460 ppbv

RT: 17.149 min Scan# 4528

Delta R.T. 0.004 min

Lab File: VL039581.D

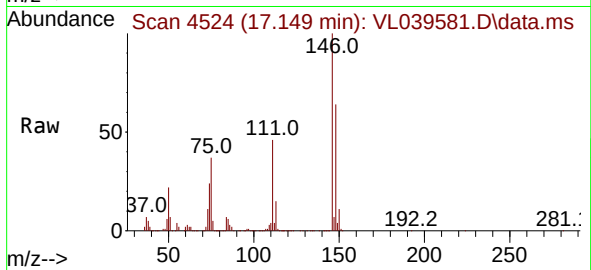
Acq: 25 Aug 2022 17:00

Instrument :

MSVOA\_L

ClientSampleId :

VL0825ABS01



Tgt Ion:146 Resp: 178948

Ion Ratio Lower Upper

146 100

111 46.7 23.8 71.5

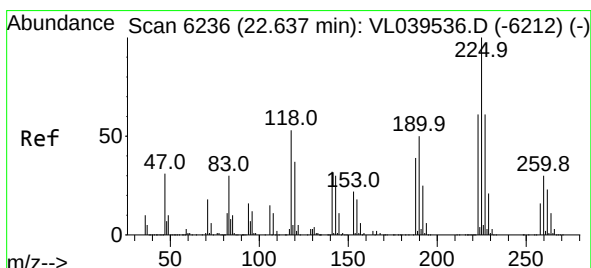
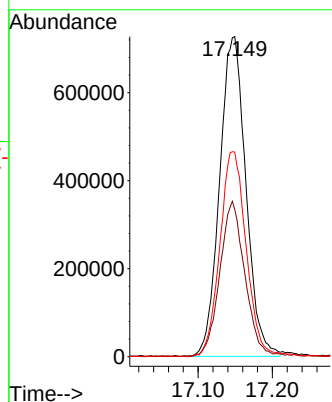
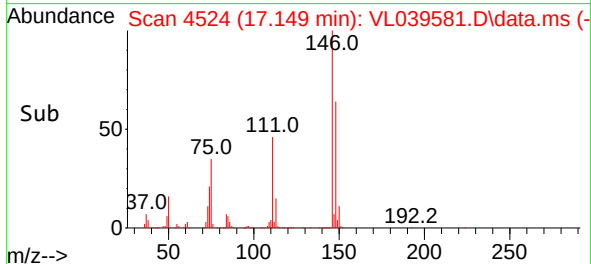
148 64.2 32.3 96.8

Manual Integrations

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#78

Hexachloro-1,3-Butadiene

Concen: 9.725 ppbv m

RT: 22.641 min Scan# 6232

Delta R.T. 0.004 min

Lab File: VL039581.D

Acq: 25 Aug 2022 17:00

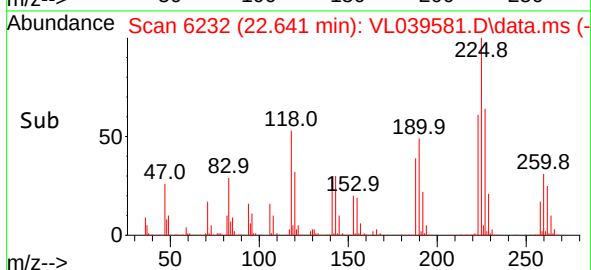
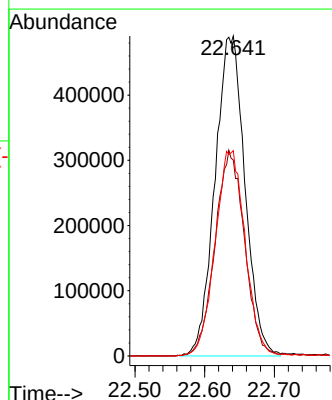
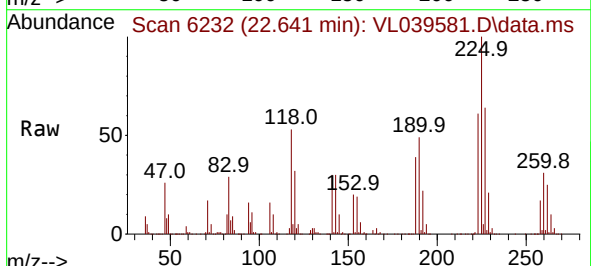
Tgt Ion:225 Resp: 1465098

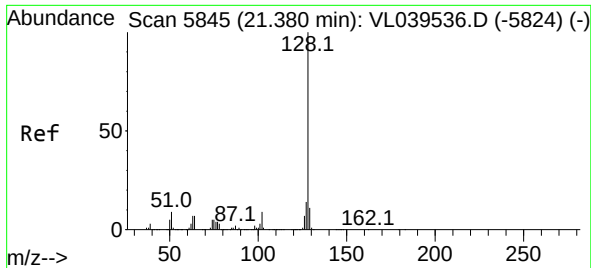
Ion Ratio Lower Upper

225 100

223 0.0 51.8 77.6#

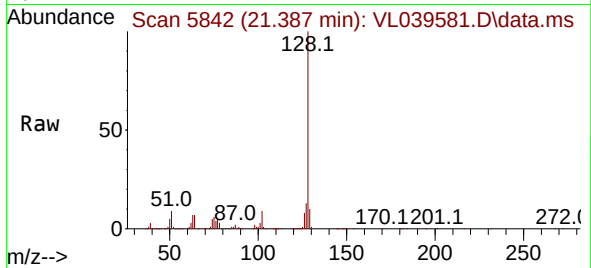
227 64.6 51.4 77.2





#79  
Naphthalene  
Concen: 13.749 ppbv  
RT: 21.387 min Scan# 5845  
Delta R.T. 0.007 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

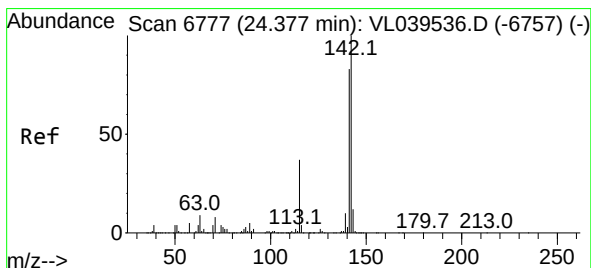
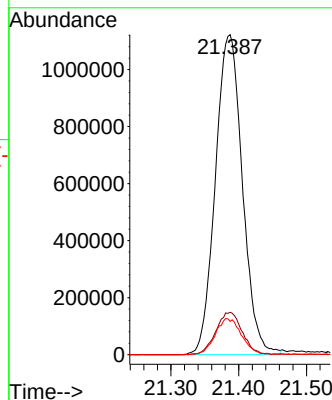
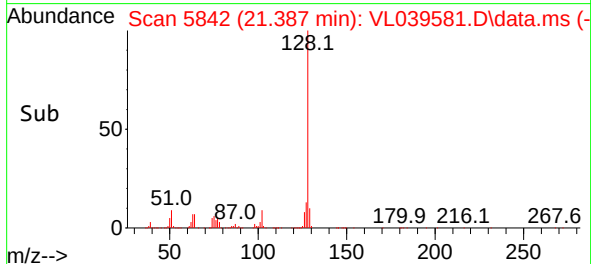
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0825ABS01



Tgt Ion:128 Resp: 311116  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.6 15.8  
129 10.4 8.8 13.2

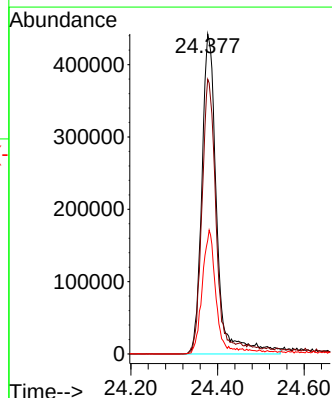
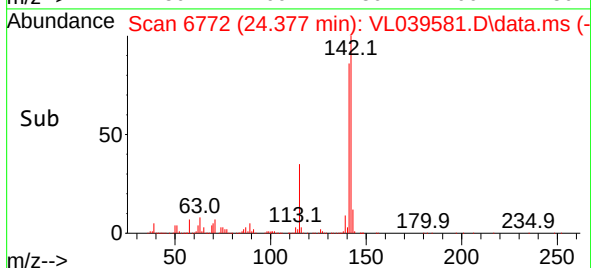
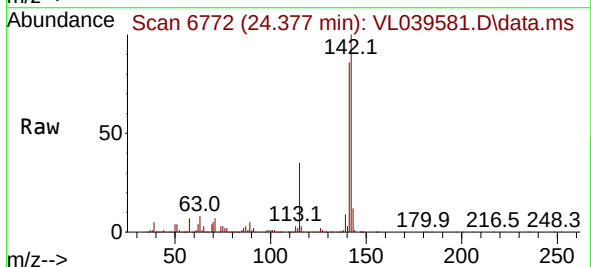
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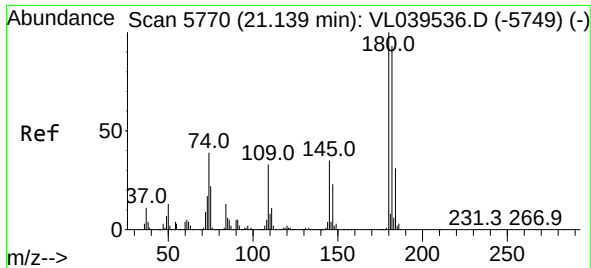
Reviewed By :Mahesh Dadoda 08/29/2022  
Supervised By :Semsettin Yesilyurt 08/29/2022



#80  
Naphthalene,2-methyl-  
Concen: 11.519 ppbv  
RT: 24.377 min Scan# 6772  
Delta R.T. 0.001 min  
Lab File: VL039581.D  
Acq: 25 Aug 2022 17:00

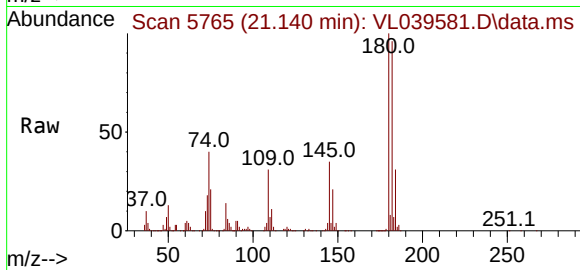
Tgt Ion:142 Resp: 1057820  
Ion Ratio Lower Upper  
142 100  
141 85.9 68.9 103.3  
115 35.1 30.0 45.0





#81  
 1,2,4-Trichlorobenzene  
 Concen: 11.411 ppbv  
 RT: 21.140 min Scan# 51  
 Delta R.T. 0.001 min  
 Lab File: VL039581.D  
 Acq: 25 Aug 2022 17:00

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0825ABS01



Tgt Ion:180 Resp: 172412  
 Ion Ratio Lower Upper  
 180 100  
 182 96.8 77.1 115.7  
 184 30.6 24.3 36.5

Manual Integrations  
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