

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL062624\  
 Data File : VL041358.D  
 Acq On : 26 Jun 2024 12:54  
 Operator : SY/MD  
 Sample : VSTDICC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC015

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/27/2024  
 Supervised By : Mahesh Dadoda 06/27/2024

Quant Time: Jun 26 13:26:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL062624AIR.M

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

QLast Update : Wed Jun 26 10:54:23 2024

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.211  | 49   | 1091972  | 10.000 | ppbv  | 0.01     |
| 33) 1,4-Difluorobenzene | 6.677  | 114  | 2918960  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.487 | 117  | 2836754  | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 2103568 9.604 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.000%

Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.748 | 85  | 2232444 | 12.802 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 2.693 | 51  | 2372667 | 13.750 | ppbv   | 99     |
| 4) Chloromethane              | 2.832 | 50  | 922977  | 14.210 | ppbv   | 98     |
| 5) Vinyl Chloride             | 2.938 | 62  | 989166  | 15.118 | ppbv   | 97     |
| 6) Bromomethane               | 3.140 | 94  | 330078  | 14.188 | ppbv   | 100    |
| 7) Chloroethane               | 3.214 | 64  | 340942  | 15.134 | ppbv   | 96     |
| 8) Dichlorotetrafluoroethane  | 2.877 | 85  | 2307648 | 14.390 | ppbv   | 99     |
| 9) Propene                    | 2.713 | 41  | 834954  | 13.584 | ppbv   | 99     |
| 10) Heptane                   | 7.600 | 43  | 2056662 | 14.117 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.581 | 101 | 2352388 | 14.675 | ppbv   | 96     |
| 12) 1,1,2-Trichlorotrifluo... | 4.086 | 101 | 1657245 | 14.636 | ppbv   | 99     |
| 13) Ethanol                   | 3.263 | 45  | 195750  | 12.241 | ppbv   | 95     |
| 14) Bromoethene               | 3.385 | 108 | 706815  | 15.424 | ppbv   | 99     |
| 15) Acetone                   | 3.488 | 43  | 1779557 | 14.274 | ppbv   | 99     |
| 16) 1,3-Butadiene             | 3.002 | 39  | 962605  | 15.359 | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 3.899 | 59  | 1631125 | 14.210 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 3.899 | 96  | 746236  | 15.450 | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 3.600 | 45  | 1143062 | 14.593 | ppbv   | 99     |
| 20) Methylene Chloride        | 3.951 | 84  | 636847  | 14.054 | ppbv   | 99     |
| 21) Allyl Chloride            | 4.015 | 41  | 1182505 | 14.971 | ppbv   | 100    |
| 22) trans-1,2-Dichloroethene  | 4.465 | 96  | 764265  | 15.183 | ppbv   | 97     |
| 23) Vinyl Acetate             | 4.648 | 43  | 2131286 | 16.715 | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 4.584 | 63  | 1607285 | 14.329 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.224 | 43  | 3479358 | 14.107 | ppbv   | 100    |
| 26) Hexane                    | 5.230 | 57  | 1513859 | 13.648 | ppbv   | 97     |
| 27) Carbon Disulfide          | 4.144 | 76  | 1999199 | 16.272 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 4.607 | 73  | 1164469 | 14.165 | ppbv   | 98     |
| 29) Chloroform                | 5.298 | 83  | 2377541 | 13.971 | ppbv   | 98     |
| 30) Cyclohexane               | 6.619 | 84  | 1295710 | 14.412 | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 5.098 | 61  | 1539281 | 14.686 | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane     | 6.024 | 97  | 2374020 | 14.727 | ppbv   | 99     |
| 34) 2-Butanone                | 4.806 | 43  | 2134687 | 15.265 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 6.513 | 117 | 2477107 | 14.931 | ppbv   | 100    |
| 36) Benzene                   | 6.394 | 78  | 3204795 | 14.165 | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 5.832 | 62  | 1881726 | 14.266 | ppbv   | 100    |
| 38) Trichloroethene           | 7.314 | 130 | 1231679 | 13.433 | ppbv   | 97     |
| 39) 1,2-Dichloropropane       | 7.095 | 63  | 1241698 | 13.783 | ppbv   | 97     |
| 40) 1,4-Dioxane               | 7.304 | 88  | 398340  | 12.073 | ppbv # | 82     |
| 41) Tetrahydrofuran           | 5.574 | 42  | 1332547 | 14.645 | ppbv   | 100    |
| 42) Bromodichloromethane      | 7.272 | 83  | 2676894 | 14.130 | ppbv   | 100    |
| 43) Methyl Methacrylate       | 7.494 | 69  | 1319049 | 15.301 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 7.349 | 57  | 5280128 | 13.570 | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 8.735 | 75  | 939432  | 16.150 | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL062624\  
 Data File : VL041358.D  
 Acq On : 26 Jun 2024 12:54  
 Operator : SY/MD  
 Sample : VSTDICC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC015

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/27/2024  
 Supervised By : Mahesh Dadoda 06/27/2024

Quant Time: Jun 26 13:26:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL062624AIR.M

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

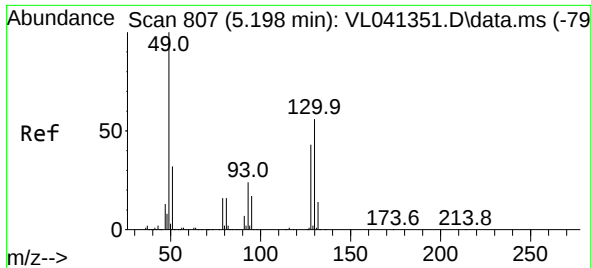
QLast Update : Wed Jun 26 10:54:23 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.166  | 75   | 1139732  | 15.221 | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 8.922  | 97   | 1328142  | 14.107 | ppbv   | 98       |
| 48) Dibromochloromethane      | 9.732  | 129  | 2276772  | 14.674 | ppbv   | 98       |
| 49) Bromoform                 | 12.429 | 173  | 1864005  | 14.908 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.201  | 43   | 3359942  | 14.515 | ppbv   | 100      |
| 51) 2-Hexanone                | 9.571  | 43   | 2474194  | 15.038 | ppbv # | 98       |
| 52) Tetrachloroethene         | 10.635 | 164  | 1163520  | 14.102 | ppbv   | 99       |
| 53) Toluene                   | 9.240  | 91   | 3759051  | 14.444 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.031 | 107  | 1785713  | 14.549 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 11.529 | 131  | 1632957  | 13.610 | ppbv # | 92       |
| 57) Chlorobenzene             | 11.548 | 112  | 2794769  | 13.263 | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.111 | 91   | 5012346  | 13.784 | ppbv   | 98       |
| 59) m/p-Xylene                | 12.394 | 91   | 8387629m | 26.923 | ppbv   |          |
| 60) o-Xylene                  | 13.079 | 91   | 3934582  | 13.248 | ppbv   | 99       |
| 61) Styrene                   | 12.918 | 104  | 2181407  | 14.981 | ppbv   | 98       |
| 62) Isopropylbenzene          | 14.050 | 105  | 5996265  | 13.349 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.072 | 83   | 2869420  | 13.579 | ppbv   | 99       |
| 64) n-propylbenzene           | 14.937 | 120  | 1602547  | 13.843 | ppbv   | 97       |
| 65) tert-Butylbenzene         | 16.108 | 119  | 5305584  | 13.287 | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.352 | 91   | 447058   | 17.016 | ppbv   | 96       |
| 67) sec-Butylbenzene          | 16.658 | 105  | 7503322  | 13.301 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.018 | 119  | 6332145  | 13.620 | ppbv   | 99       |
| 70) n-Butylbenzene            | 17.905 | 91   | 6622429  | 13.730 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.822 | 91   | 4546603  | 13.225 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.211 | 105  | 4958199  | 14.330 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.371 | 105  | 4303535  | 14.330 | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.127 | 105  | 4631774  | 13.638 | ppbv # | 92       |
| 75) 1,3-Dichlorobenzene       | 16.352 | 146  | 2834331  | 14.216 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.494 | 146  | 2795725  | 14.033 | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 17.162 | 146  | 2764428  | 13.851 | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 22.660 | 225  | 1816346  | 11.105 | ppbv   | 100      |
| 79) Naphthalene               | 21.416 | 128  | 3439133  | 11.670 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 24.390 | 142  | 19216m   | 0.193  | ppbv   |          |
| 81) 1,2,4-Trichlorobenzene    | 21.169 | 180  | 1861487  | 11.327 | ppbv   | 99       |

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





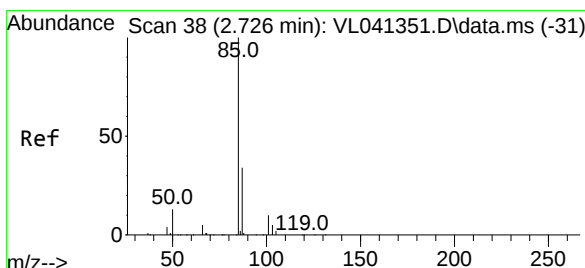
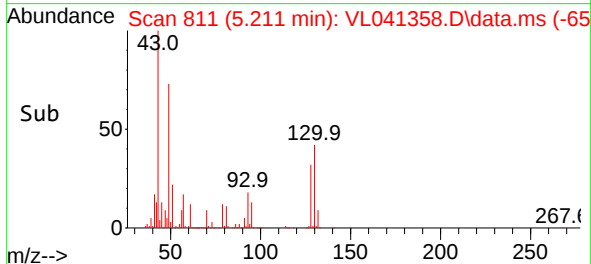
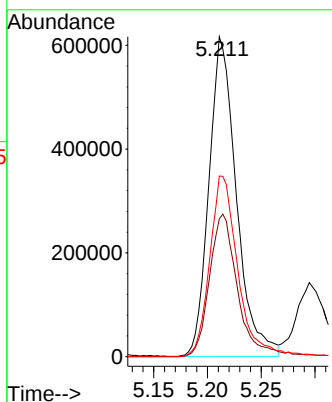
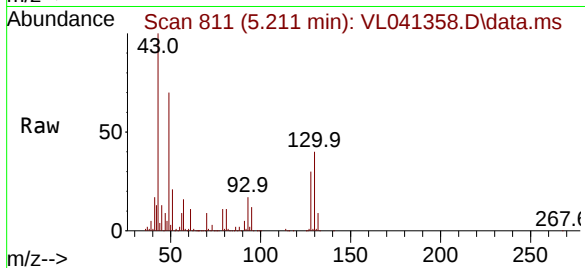
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.211 min Scan# 81  
Delta R.T. 0.010 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015

Tgt Ion: 49 Resp: 1091972  
Ion Ratio Lower Upper  
49 100  
128 46.1 22.8 68.3  
130 58.7 28.9 86.7

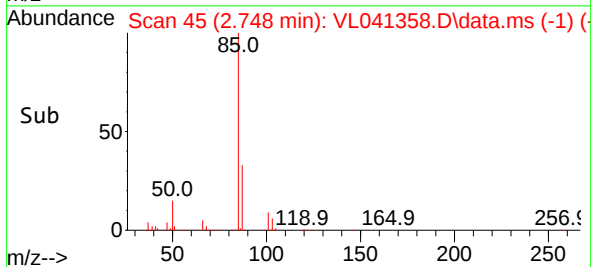
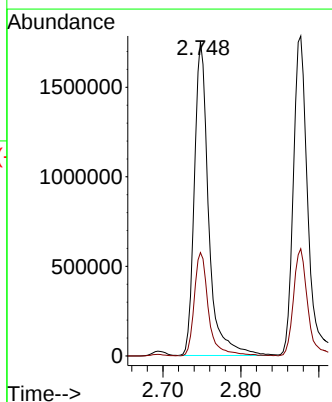
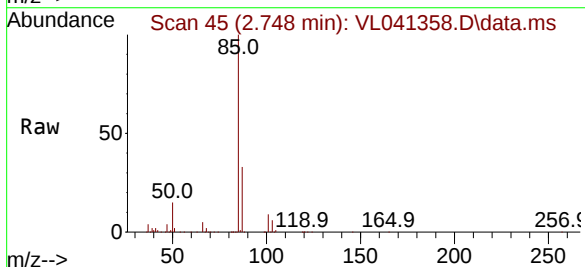
Manual Integrations  
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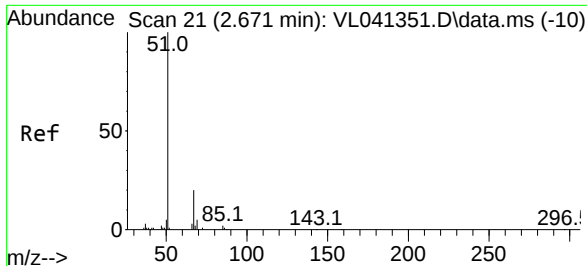
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#2  
Dichlorodifluoromethane  
Concen: 12.802 ppbv  
RT: 2.748 min Scan# 45  
Delta R.T. 0.019 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

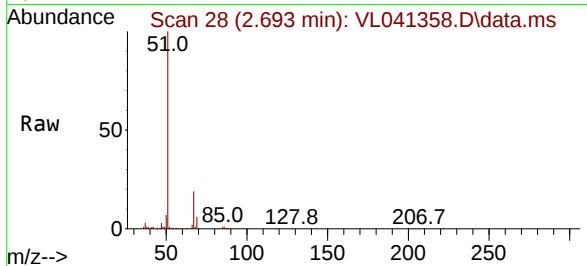
Tgt Ion: 85 Resp: 2232444  
Ion Ratio Lower Upper  
85 100  
87 32.8 25.9 38.9





#3  
Chlorodifluoromethane  
Concen: 13.750 ppbv  
RT: 2.693 min Scan# 21  
Delta R.T. 0.019 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

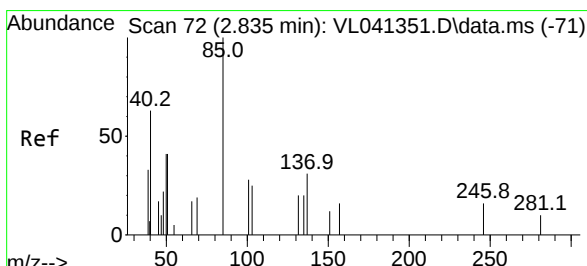
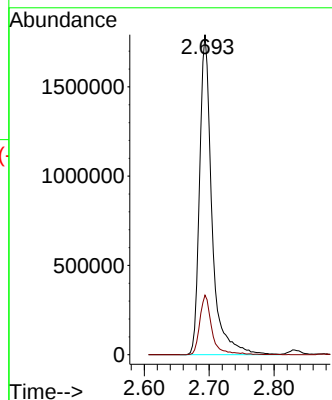
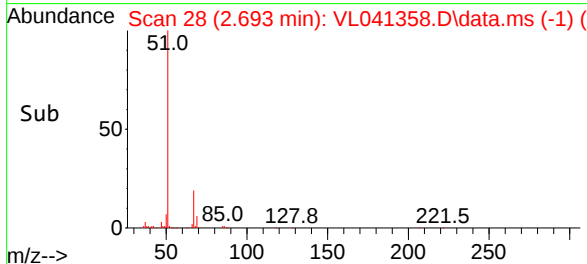
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 51 Resp: 237266  
Ion Ratio Lower Upper  
51 100  
67 18.3 14.3 21.5

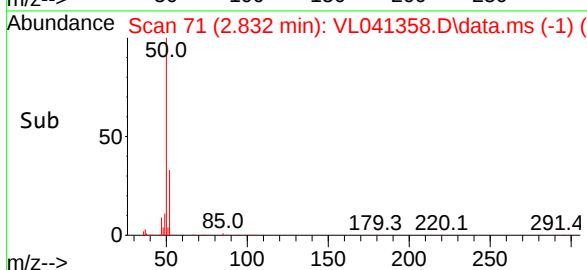
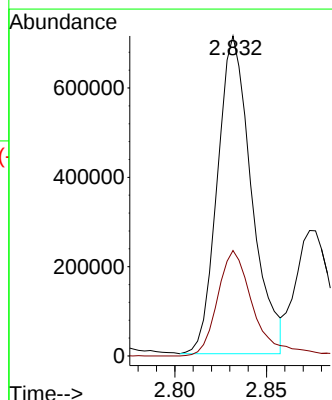
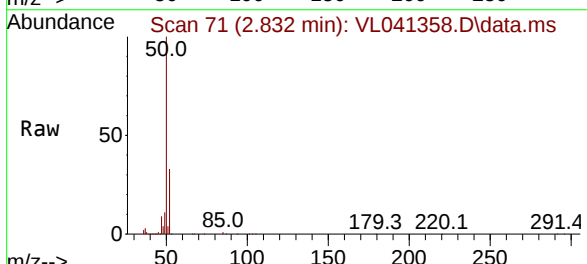
Manual Integrations  
APPROVED

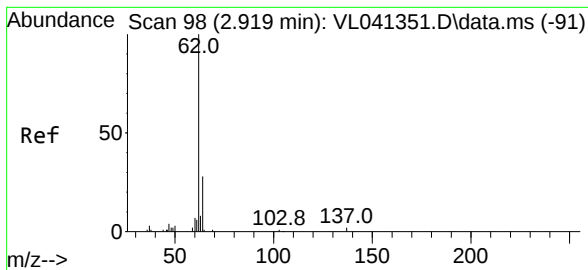
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#4  
Chloromethane  
Concen: 14.210 ppbv  
RT: 2.832 min Scan# 71  
Delta R.T. 0.016 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Tgt Ion: 50 Resp: 922977  
Ion Ratio Lower Upper  
50 100  
52 33.2 25.6 38.4





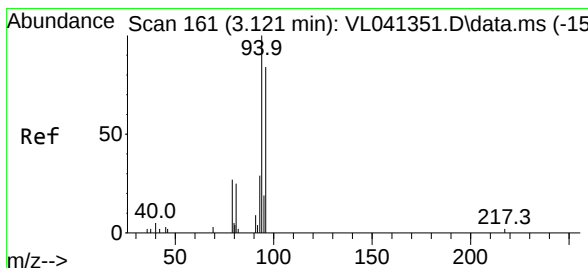
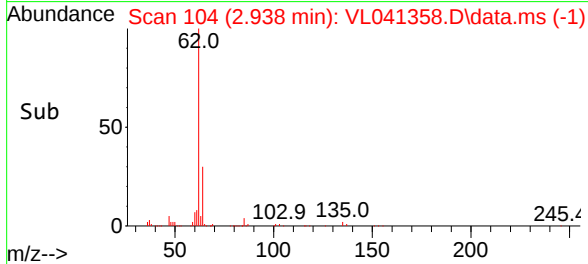
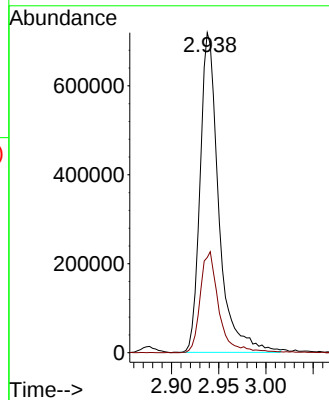
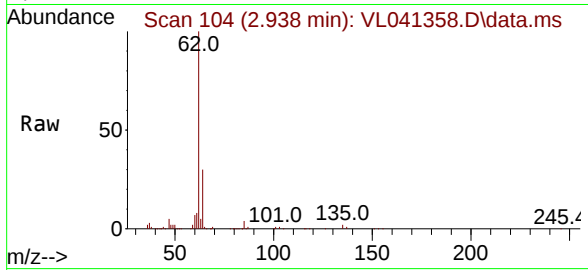
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 Vinyl Chloride  
 Concen: 15.118 ppbv  
 RT: 2.938 min Scan# 104  
 Delta R.T. 0.016 min  
 Lab File: VL041358.D  
 Acq: 26 Jun 2024 12:54

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Tgt Ion: 62 Resp: 989160  
 Ion Ratio Lower Upper  
 62 100  
 64 29.8 25.0 37.6

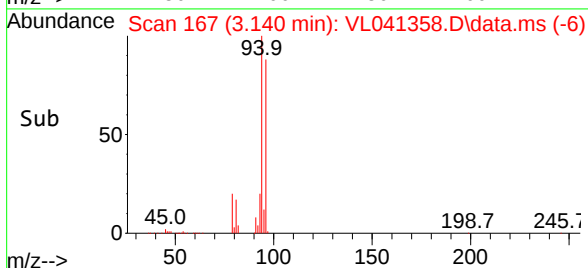
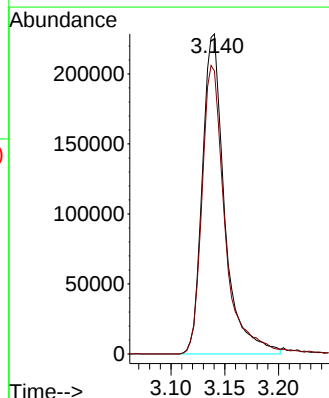
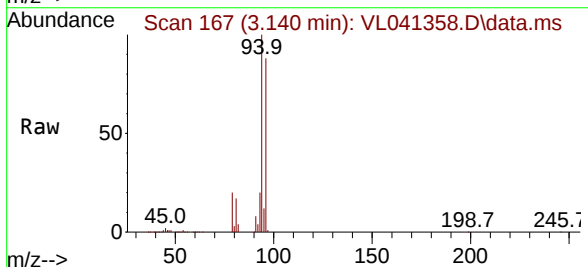
Manual Integrations  
 APPROVED

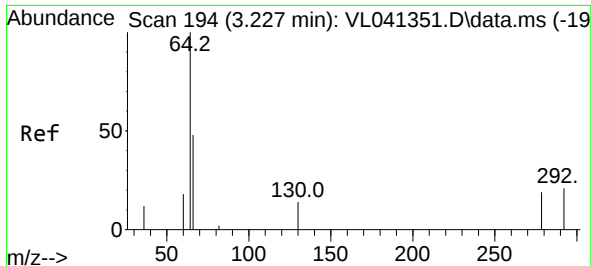
Reviewed By :Semsettin Yesilyurt 06/27/2024  
 Supervised By :Mahesh Dadoda 06/27/2024



#6  
 Bromomethane  
 Concen: 14.188 ppbv  
 RT: 3.140 min Scan# 167  
 Delta R.T. 0.019 min  
 Lab File: VL041358.D  
 Acq: 26 Jun 2024 12:54

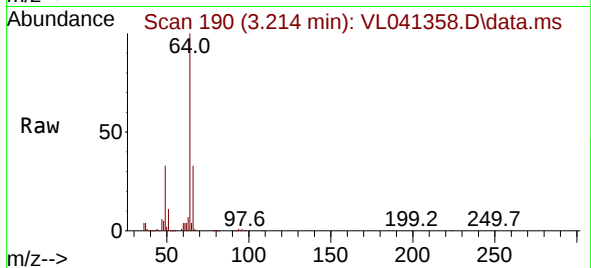
Tgt Ion: 94 Resp: 330078  
 Ion Ratio Lower Upper  
 94 100  
 96 88.4 71.0 106.4





#7  
Chloroethane  
Concen: 15.134 ppbv  
RT: 3.214 min Scan# 194  
Delta R.T. 0.013 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

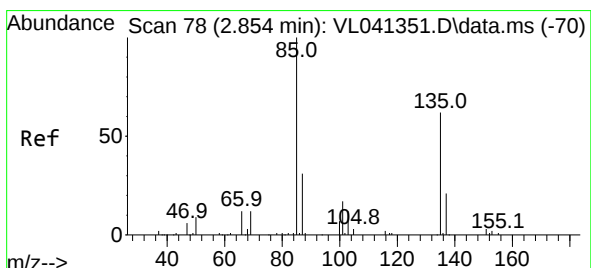
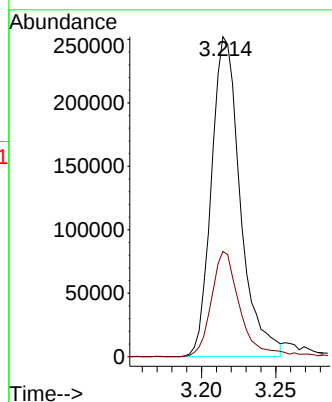
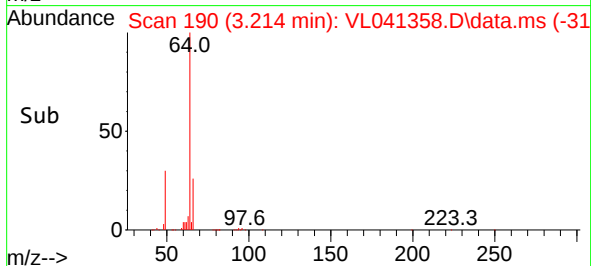
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



Tgt Ion: 64 Resp: 340942  
Ion Ratio Lower Upper  
64 100  
66 32.9 24.6 36.8

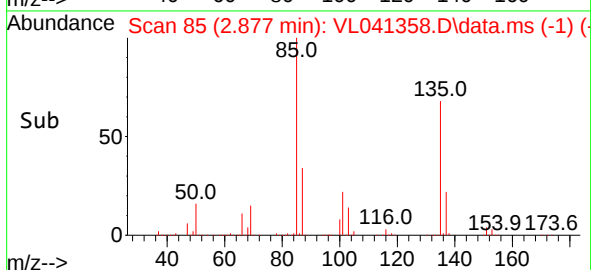
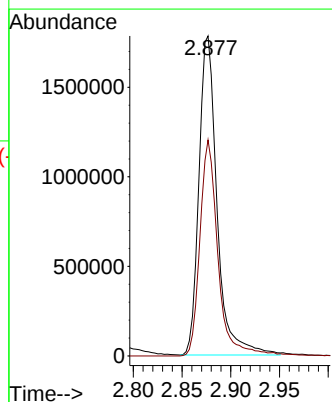
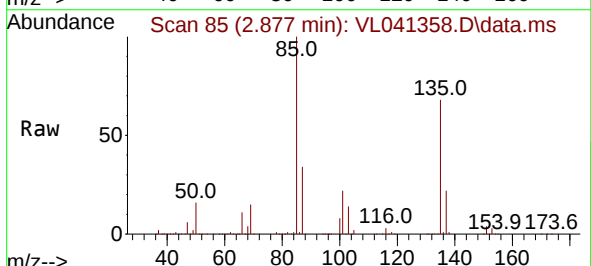
Manual Integrations  
APPROVED

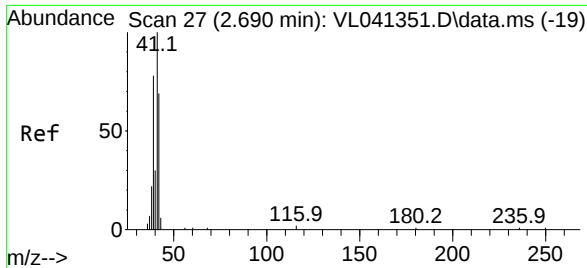
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#8  
Dichlorotetrafluoroethane  
Concen: 14.390 ppbv  
RT: 2.877 min Scan# 85  
Delta R.T. 0.019 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

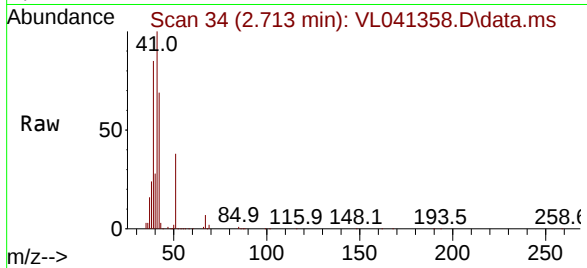
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Ion Ratio Lower Upper  
85 100  
135 67.9 53.7 80.5





#9  
Propene  
Concen: 13.584 ppbv  
RT: 2.713 min Scan# 34  
Delta R.T. 0.019 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

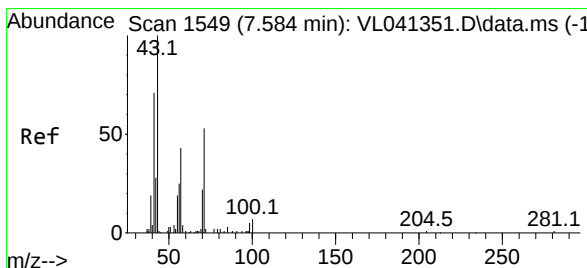
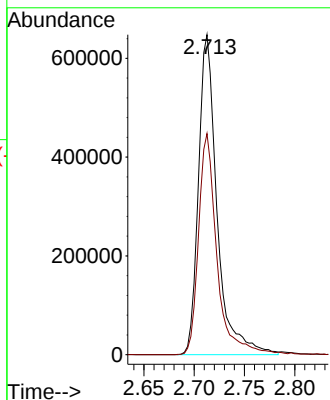
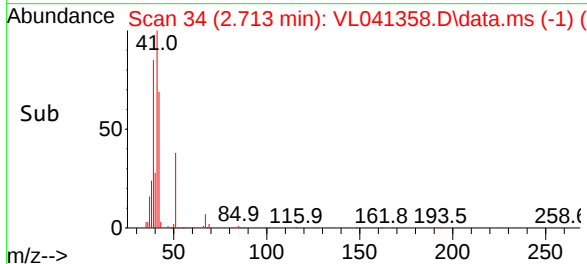
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 41 Resp: 834954  
Ion Ratio Lower Upper  
41 100  
42 68.9 55.8 83.8

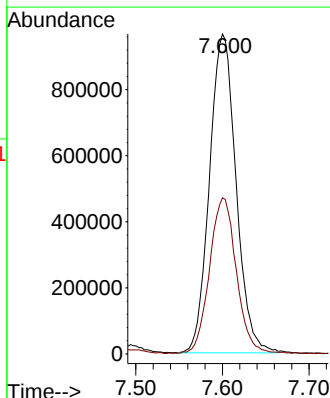
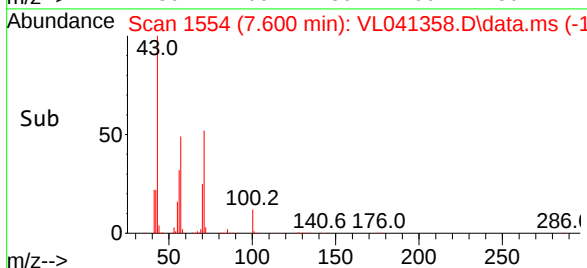
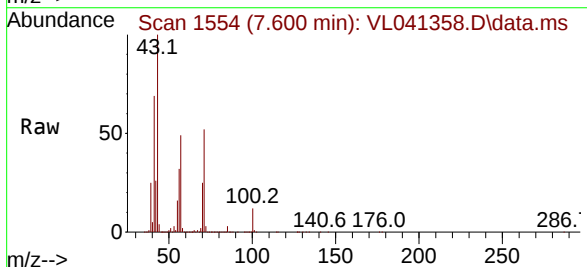
Manual Integrations  
APPROVED

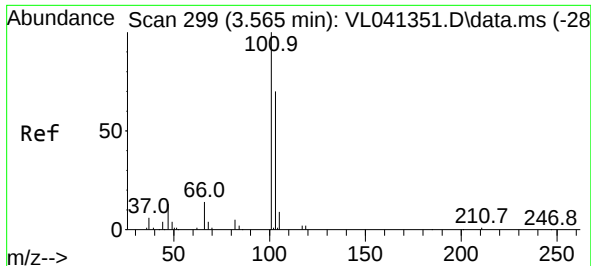
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#10  
Heptane  
Concen: 14.117 ppbv  
RT: 7.600 min Scan# 1554  
Delta R.T. 0.006 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

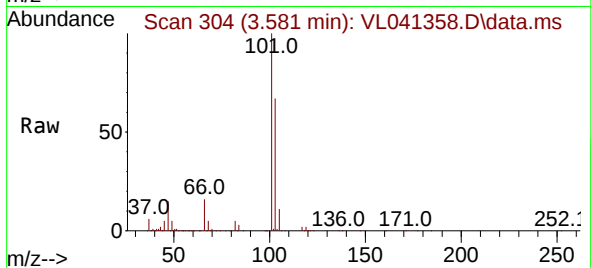
Tgt Ion: 43 Resp: 2056662  
Ion Ratio Lower Upper  
43 100  
57 49.9 40.3 60.5





#11  
 Trichlorofluoromethane  
 Concen: 14.675 ppbv  
 RT: 3.581 min Scan# 304  
 Delta R.T. 0.013 min  
 Lab File: VL041358.D  
 Acq: 26 Jun 2024 12:54

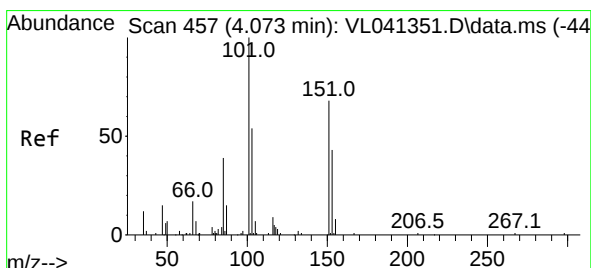
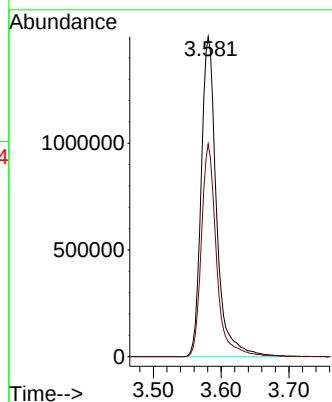
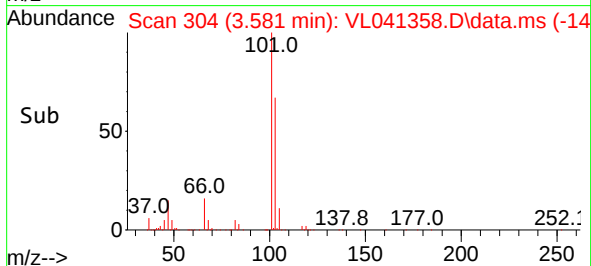
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015



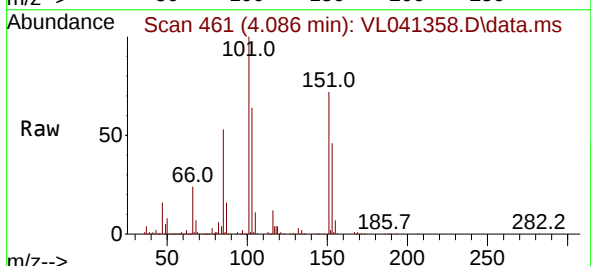
Tgt Ion:101 Resp: 235238  
 Ion Ratio Lower Upper  
 101 100  
 103 66.5 50.5 75.7

Manual Integrations  
 APPROVED

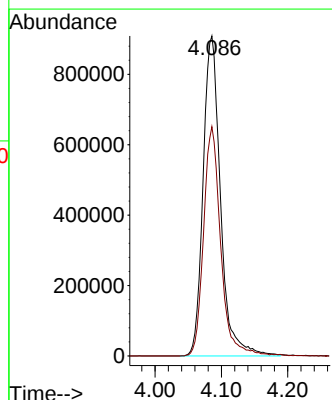
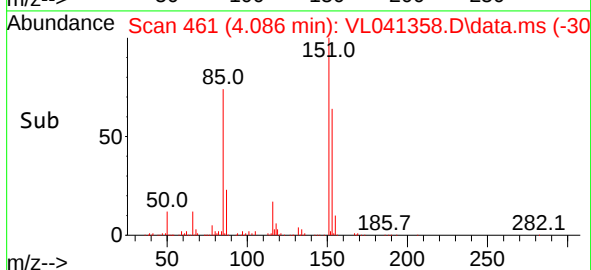
Reviewed By :Semsettin Yesilyurt 06/27/2024  
 Supervised By :Mahesh Dadoda 06/27/2024

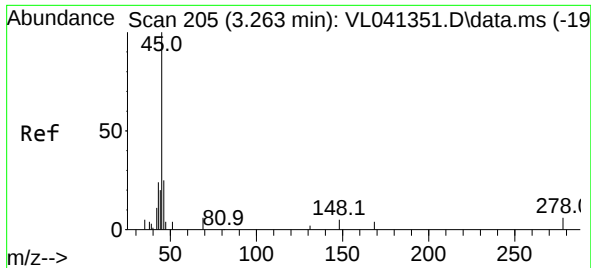


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 14.636 ppbv  
 RT: 4.086 min Scan# 461  
 Delta R.T. 0.016 min  
 Lab File: VL041358.D  
 Acq: 26 Jun 2024 12:54



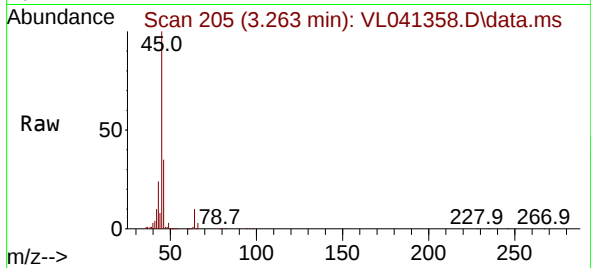
Tgt Ion:101 Resp: 1657245  
 Ion Ratio Lower Upper  
 101 100  
 151 70.8 57.0 85.6





#13  
Ethanol  
Concen: 12.241 ppbv  
RT: 3.263 min Scan# 205  
Delta R.T. 0.013 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

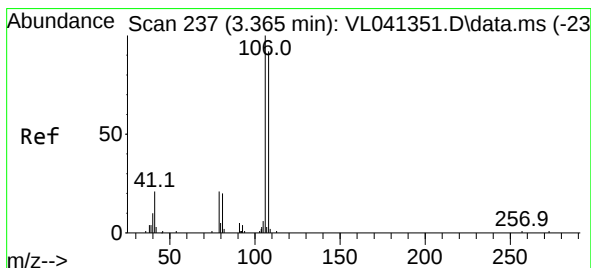
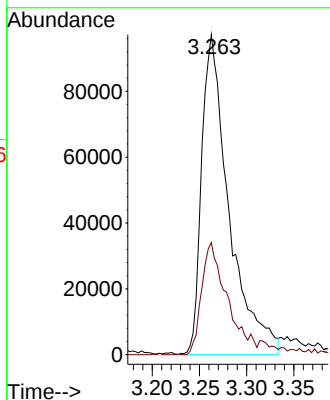
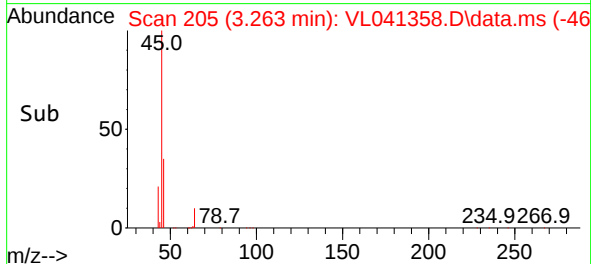
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



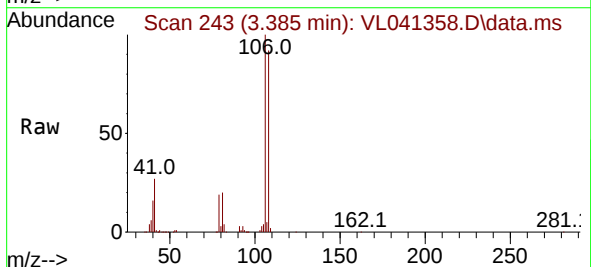
Tgt Ion: 45 Resp: 195750  
Ion Ratio Lower Upper  
45 100  
46 36.2 13.3 53.3

Manual Integrations  
APPROVED

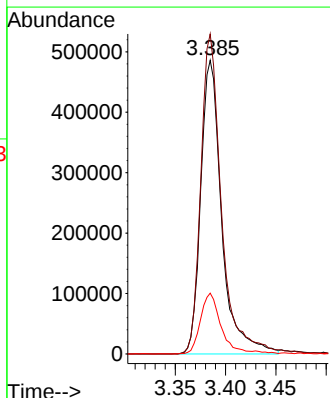
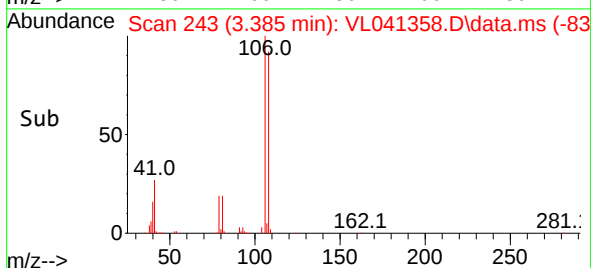
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024

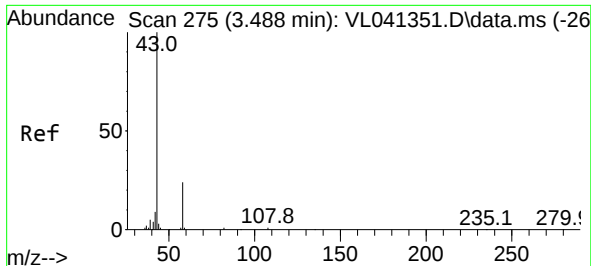


#14  
Bromoethene  
Concen: 15.424 ppbv  
RT: 3.385 min Scan# 243  
Delta R.T. 0.016 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54



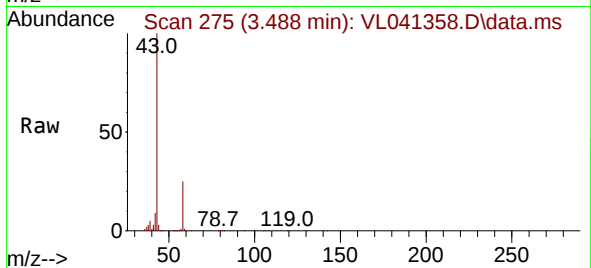
Tgt Ion:108 Resp: 706815  
Ion Ratio Lower Upper  
108 100  
106 108.3 85.5 128.3  
79 21.0 16.3 24.5





#15  
Acetone  
Concen: 14.274 ppbv  
RT: 3.488 min Scan# 21  
Delta R.T. 0.016 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

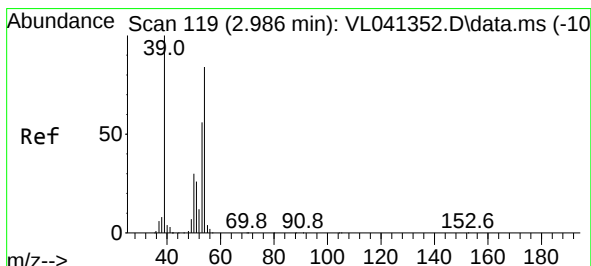
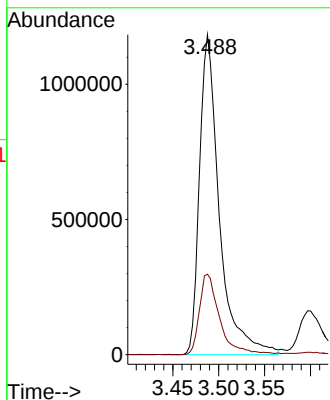
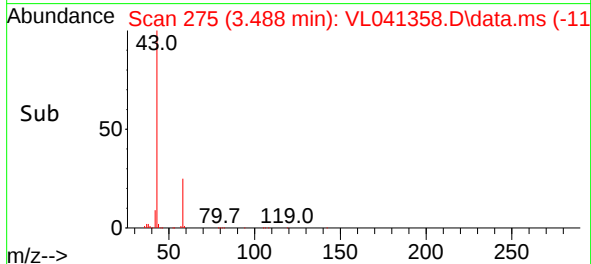
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



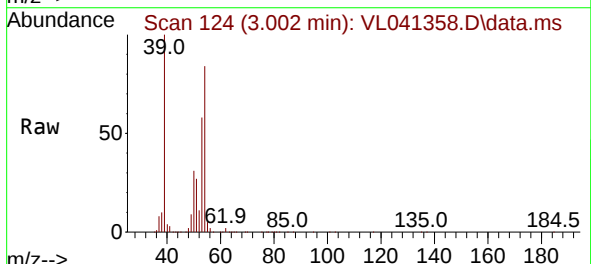
Tgt Ion: 43 Resp: 177955  
Ion Ratio Lower Upper  
43 100  
58 26.1 20.3 30.5

Manual Integrations  
APPROVED

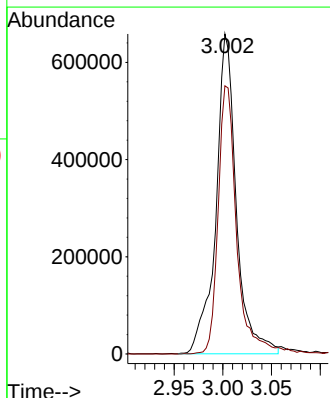
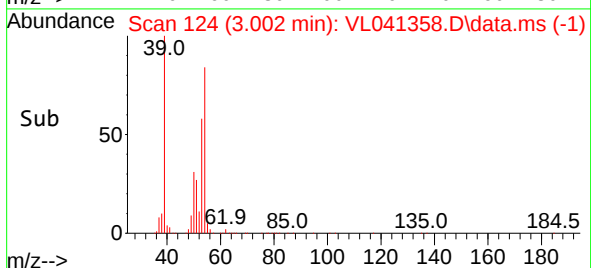
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024

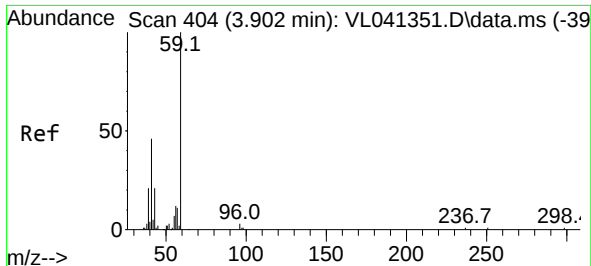


#16  
1,3-Butadiene  
Concen: 15.359 ppbv  
RT: 3.002 min Scan# 124  
Delta R.T. 0.016 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54



Tgt Ion: 39 Resp: 962605  
Ion Ratio Lower Upper  
39 100  
54 77.2 60.5 90.7





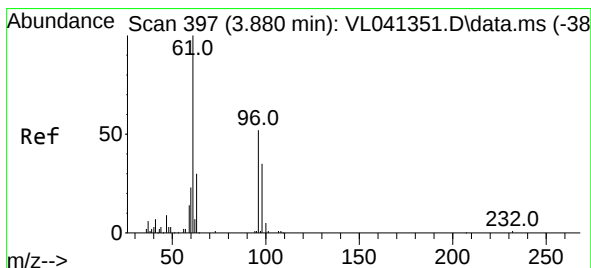
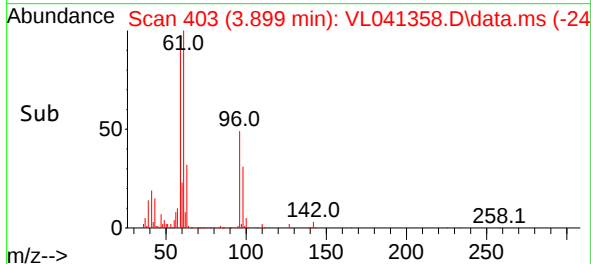
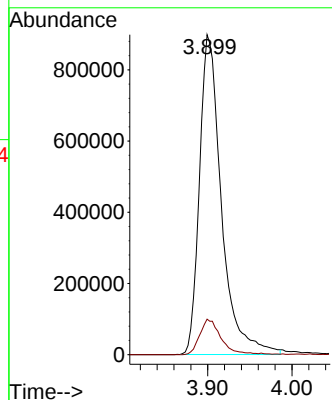
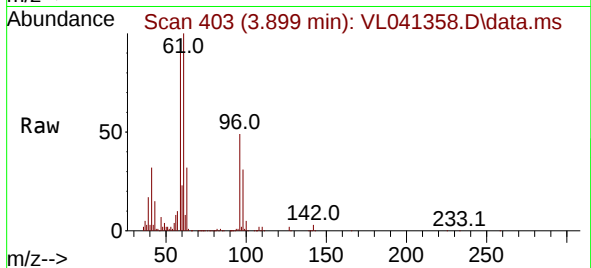
#17  
tert-Butyl alcohol  
Concen: 14.210 ppbv  
RT: 3.899 min Scan# 403  
Delta R.T. 0.013 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 59 Resp: 163112  
Ion Ratio Lower Upper  
59 100  
57 11.0 8.4 12.6

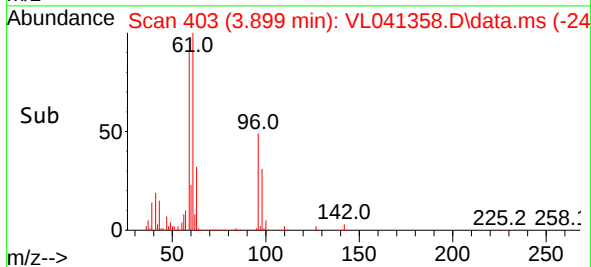
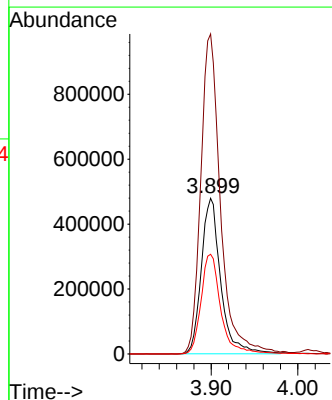
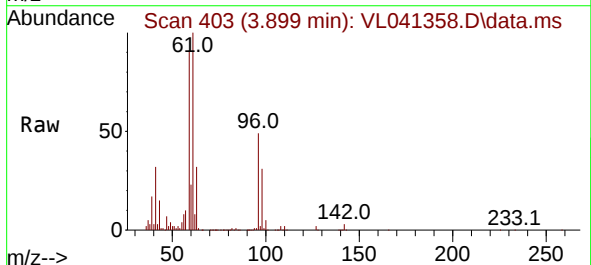
Manual Integrations  
APPROVED

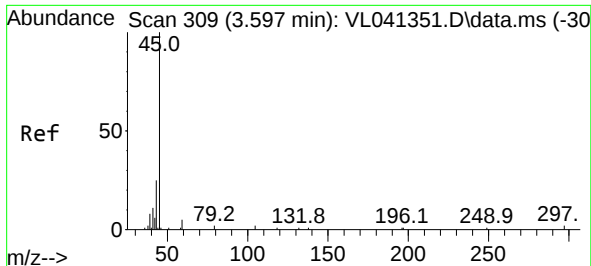
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#18  
1,1-Dichloroethene  
Concen: 15.450 ppbv  
RT: 3.899 min Scan# 403  
Delta R.T. 0.013 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

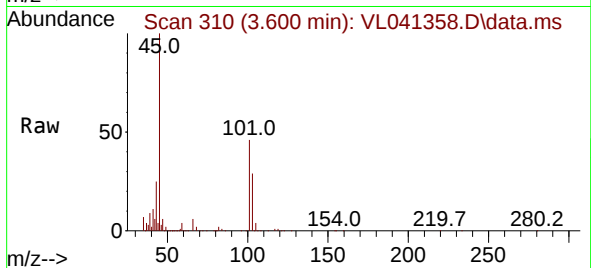
Tgt Ion: 96 Resp: 746236  
Ion Ratio Lower Upper  
96 100  
61 205.6 160.3 240.5  
98 64.1 51.6 77.4





#19  
Isopropyl Alcohol  
Concen: 14.593 ppbv  
RT: 3.600 min Scan# 310  
Delta R.T. 0.016 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

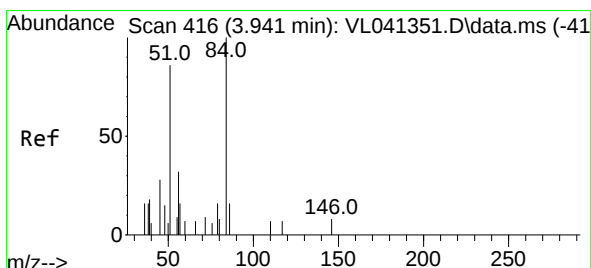
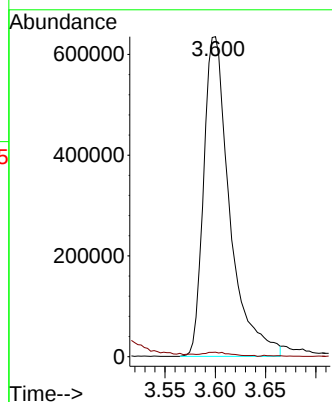
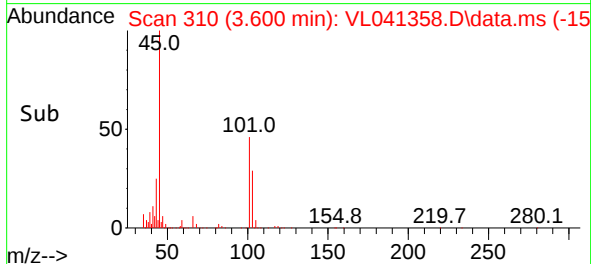
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



Tgt Ion: 45 Resp: 1143062  
Ion Ratio Lower Upper  
45 100  
58 1.7 1.6 2.4

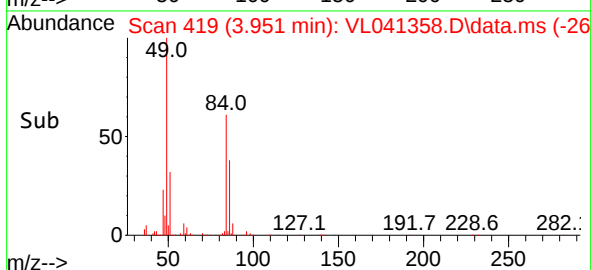
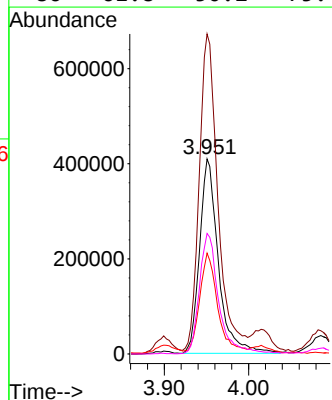
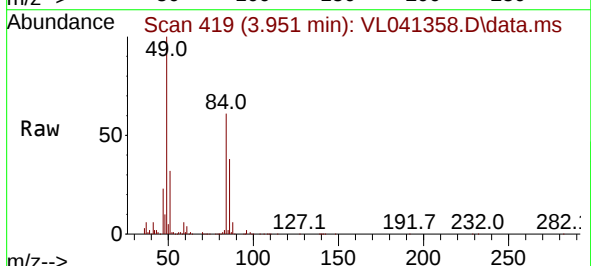
Manual Integrations  
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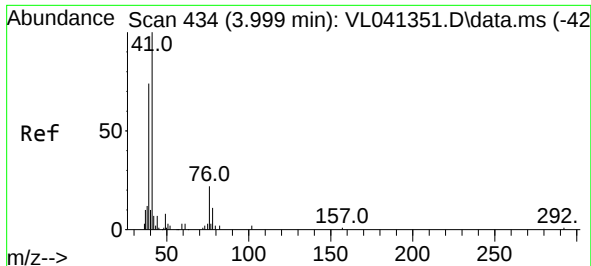
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#20  
Methylene Chloride  
Concen: 14.054 ppbv  
RT: 3.951 min Scan# 419  
Delta R.T. 0.013 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Tgt Ion: 84 Resp: 636847  
Ion Ratio Lower Upper  
84 100  
49 162.8 131.8 197.6  
51 50.8 39.6 59.4  
86 61.8 50.2 75.4





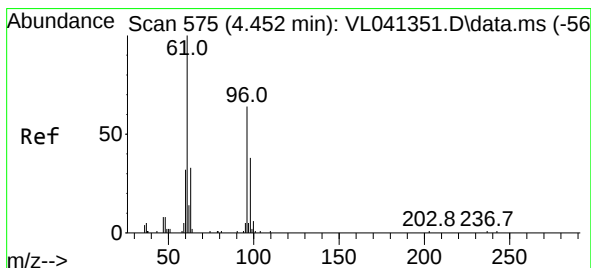
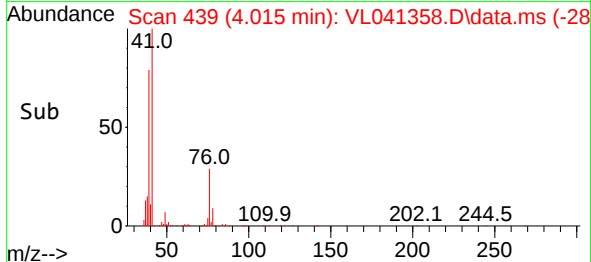
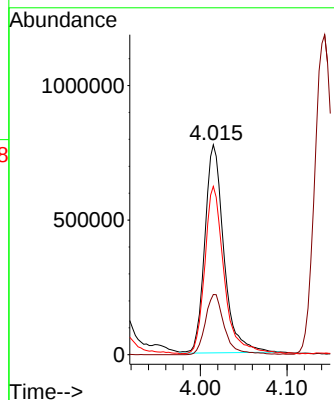
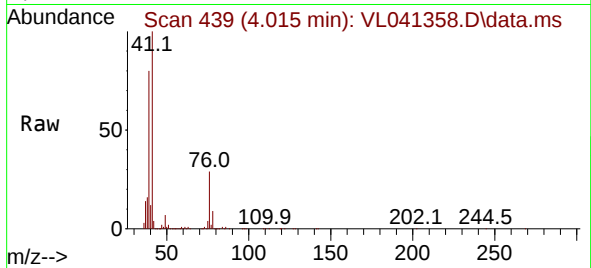
#21  
 Allyl Chloride  
 Concen: 14.971 ppbv  
 RT: 4.015 min Scan# 41  
 Delta R.T. 0.013 min  
 Lab File: VL041358.D  
 Acq: 26 Jun 2024 12:54

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC015

Tgt Ion: 41 Resp: 118250  
 Ion Ratio Lower Upper  
 41 100  
 76 29.2 23.3 34.9  
 39 82.1 66.0 99.0

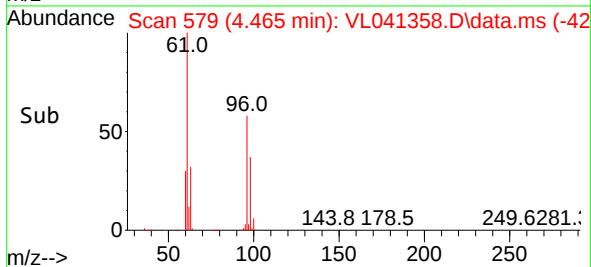
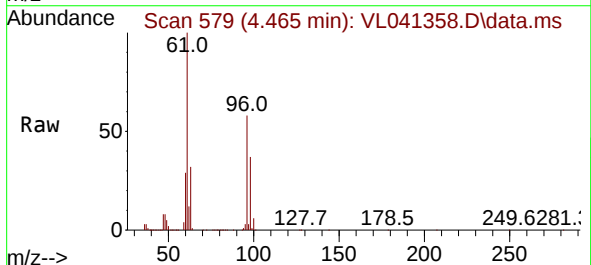
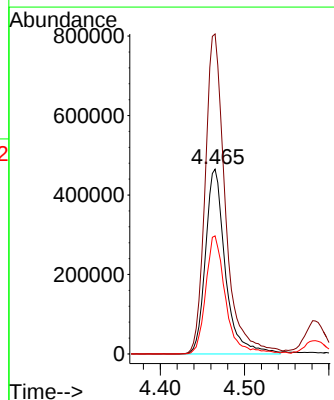
Manual Integrations  
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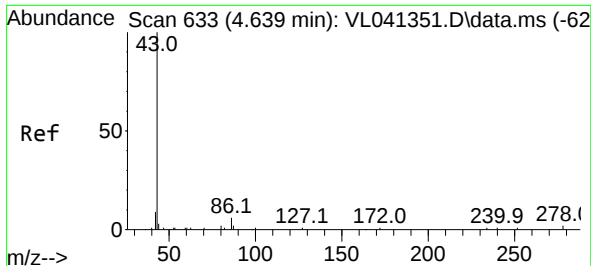
Reviewed By :Semsettin Yesilyurt 06/27/2024  
 Supervised By :Mahesh Dadoda 06/27/2024



#22  
 trans-1,2-Dichloroethene  
 Concen: 15.183 ppbv  
 RT: 4.465 min Scan# 579  
 Delta R.T. 0.013 min  
 Lab File: VL041358.D  
 Acq: 26 Jun 2024 12:54

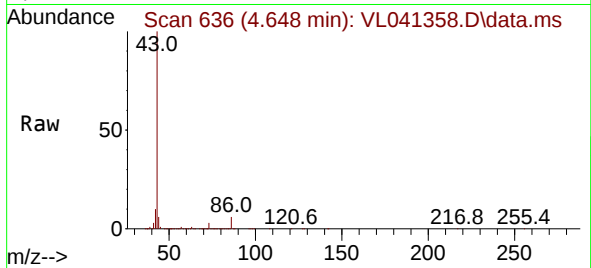
Tgt Ion: 96 Resp: 764265  
 Ion Ratio Lower Upper  
 96 100  
 61 173.2 142.0 213.0  
 98 63.8 52.2 78.2





#23  
Vinyl Acetate  
Concen: 16.715 ppbv  
RT: 4.648 min Scan# 616  
Delta R.T. 0.013 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

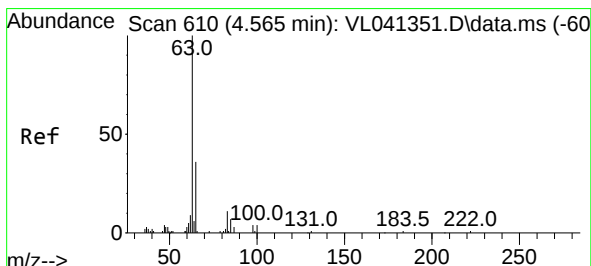
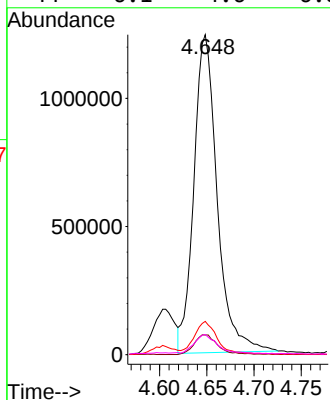
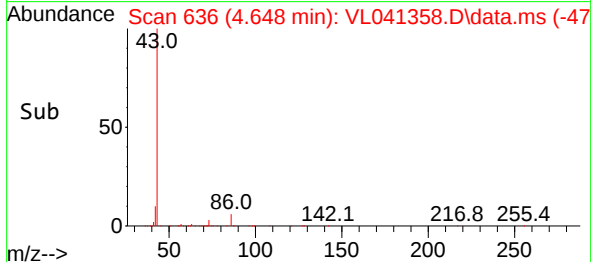
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 43 Resp: 2131280  
Ion Ratio Lower Upper  
43 100  
86 6.2 5.0 7.4  
42 10.3 7.9 11.9  
44 6.1 4.6 6.8

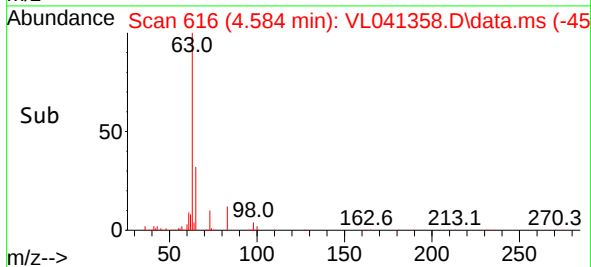
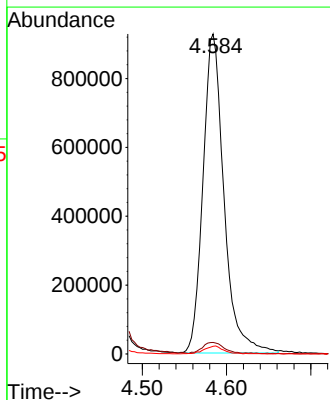
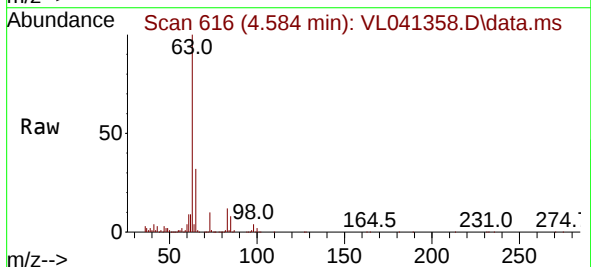
Manual Integrations  
APPROVED

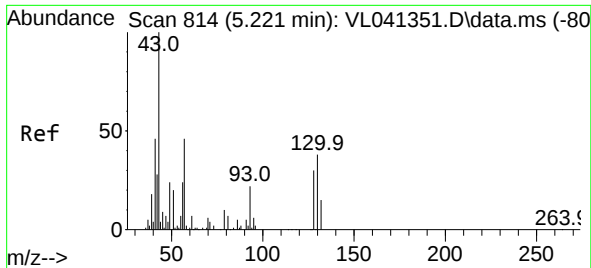
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#24  
1,1-Dichloroethane  
Concen: 14.329 ppbv  
RT: 4.584 min Scan# 616  
Delta R.T. 0.013 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

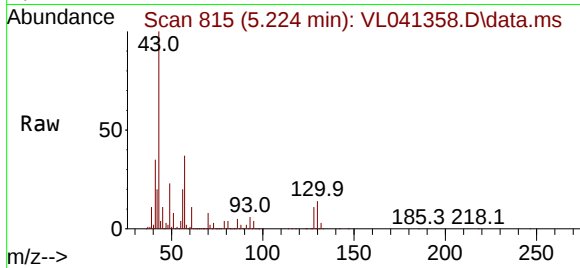
Tgt Ion: 63 Resp: 1607285  
Ion Ratio Lower Upper  
63 100  
98 3.4 1.8 5.4  
100 2.4 1.1 3.3





#25  
Ethyl Acetate  
Concen: 14.107 ppbv  
RT: 5.224 min Scan# 814  
Delta R.T. 0.010 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

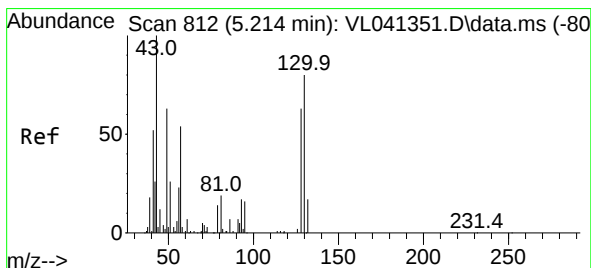
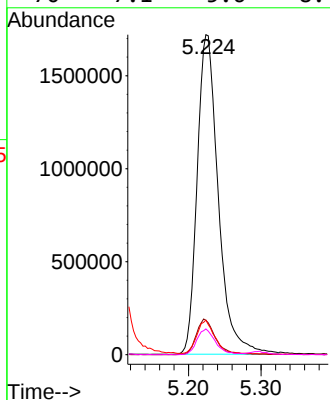
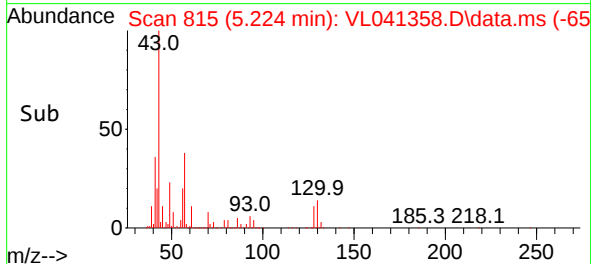
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



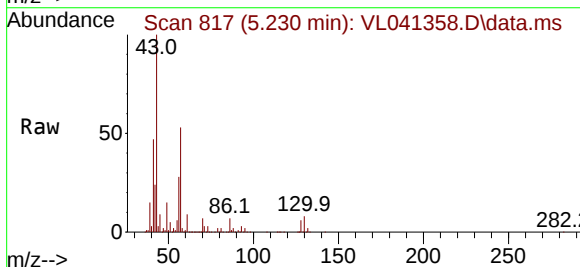
Tgt Ion: 43 Resp: 3479358  
Ion Ratio Lower Upper  
43 100  
45 10.3 8.3 12.5  
61 9.7 7.7 11.5  
70 7.1 5.6 8.4

Manual Integrations  
APPROVED

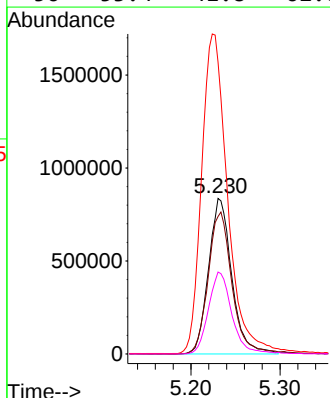
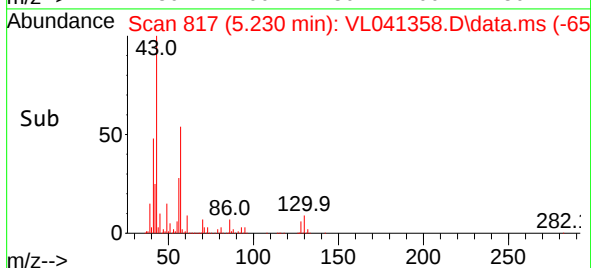
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024

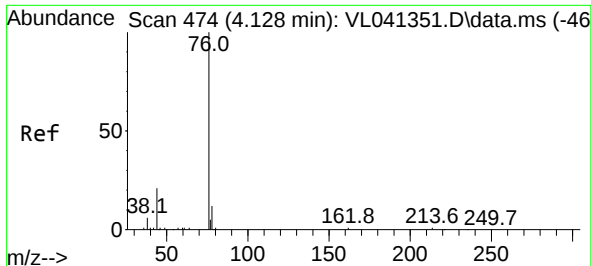


#26  
Hexane  
Concen: 13.648 ppbv  
RT: 5.230 min Scan# 817  
Delta R.T. 0.010 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54



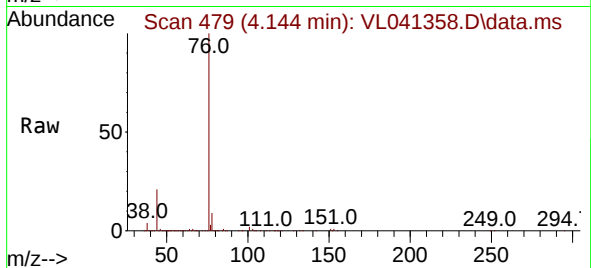
Tgt Ion: 57 Resp: 1513859  
Ion Ratio Lower Upper  
57 100  
41 94.8 73.7 110.5  
43 232.3 182.2 273.2  
56 53.4 41.8 62.6





#27  
Carbon Disulfide  
Concen: 16.272 ppbv  
RT: 4.144 min Scan# 479  
Delta R.T. 0.013 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

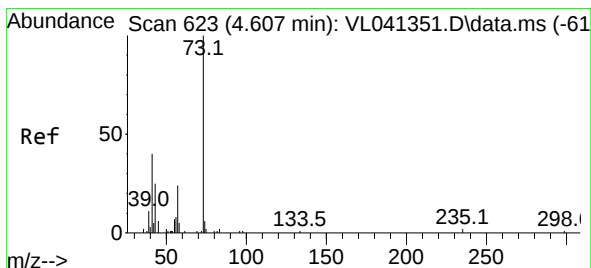
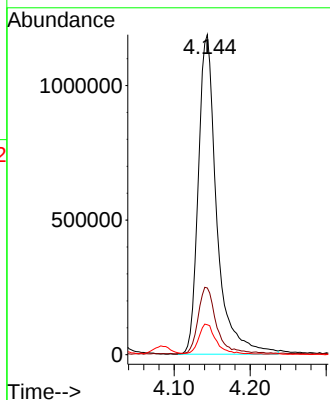
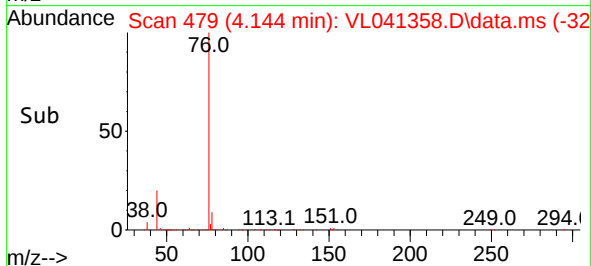
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



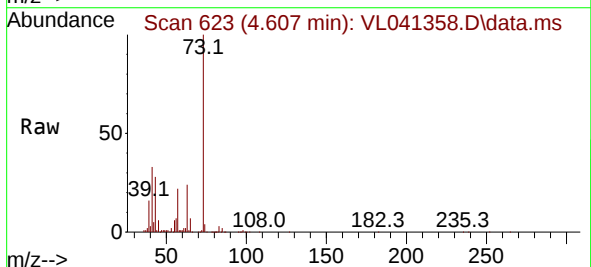
Tgt Ion: 76 Resp: 1999199  
Ion Ratio Lower Upper  
76 100  
44 21.2 17.4 26.2  
78 9.5 7.3 10.9

Manual Integrations  
APPROVED

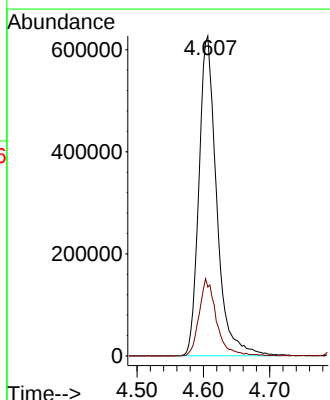
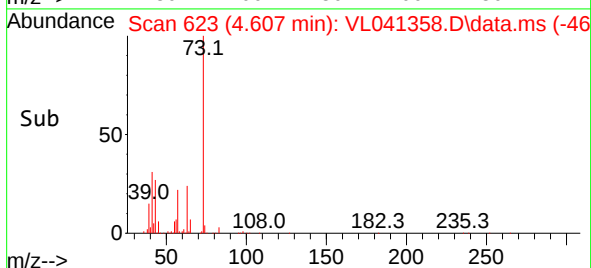
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024

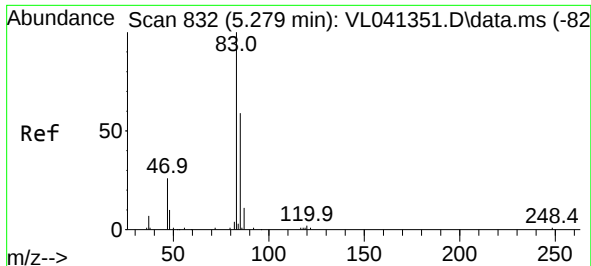


#28  
Methyl tert-Butyl Ether  
Concen: 14.165 ppbv  
RT: 4.607 min Scan# 623  
Delta R.T. 0.013 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54



Tgt Ion: 73 Resp: 1164469  
Ion Ratio Lower Upper  
73 100  
57 23.8 19.9 29.9





#29

Chloroform

Concen: 13.971 ppbv

RT: 5.298 min Scan# 81

Delta R.T. 0.013 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 237754

Ion Ratio Lower Upper

83 100

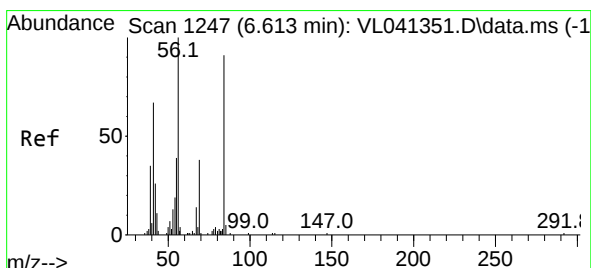
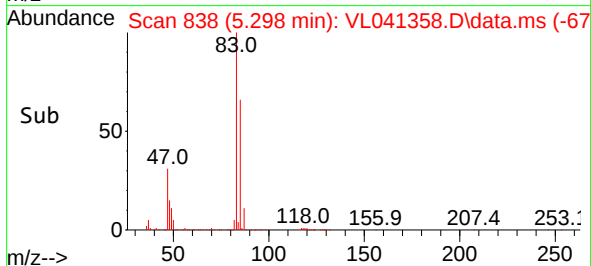
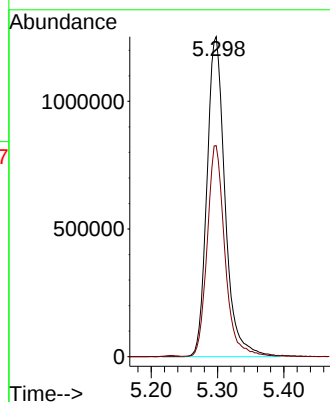
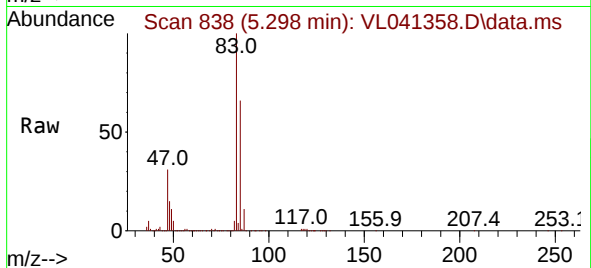
85 65.8 54.2 81.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024

Supervised By :Mahesh Dadoda 06/27/2024



#30

Cyclohexane

Concen: 14.412 ppbv

RT: 6.619 min Scan# 1249

Delta R.T. 0.006 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

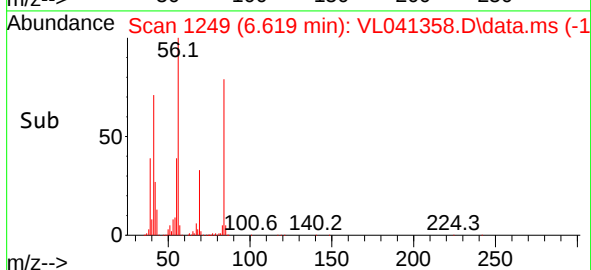
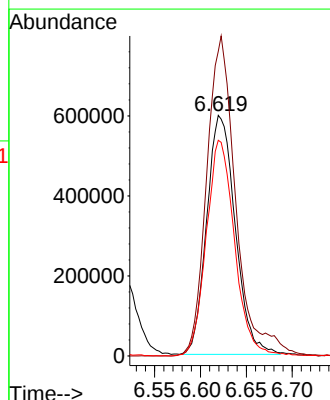
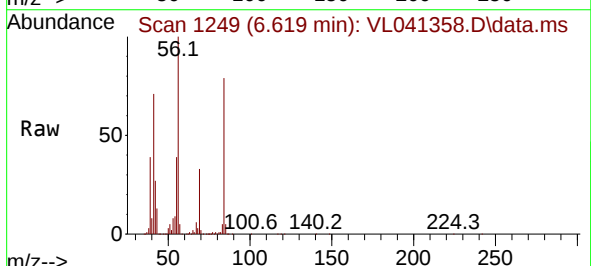
Tgt Ion: 84 Resp: 1295710

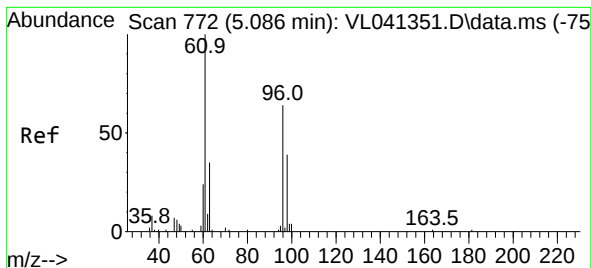
Ion Ratio Lower Upper

84 100

56 137.2 112.4 168.6

41 89.3 72.7 109.1





#31

cis-1,2-Dichloroethene

Concen: 14.686 ppbv

RT: 5.098 min Scan# 71

Delta R.T. 0.010 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC015

Tgt Ion: 61 Resp: 153928

Ion Ratio Lower Upper

61 100

96 66.0 52.6 79.0

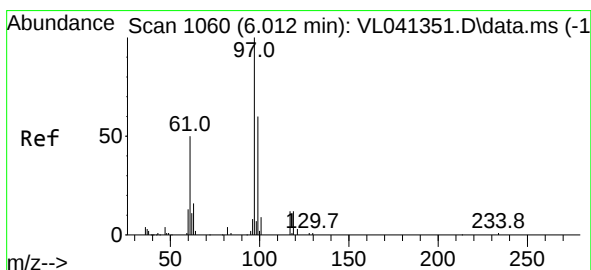
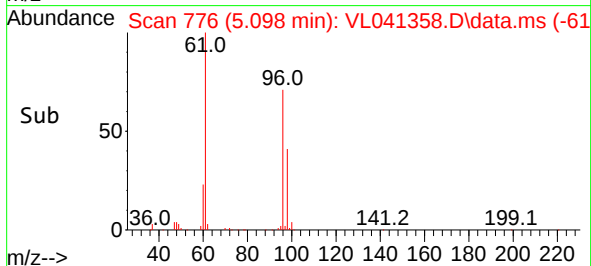
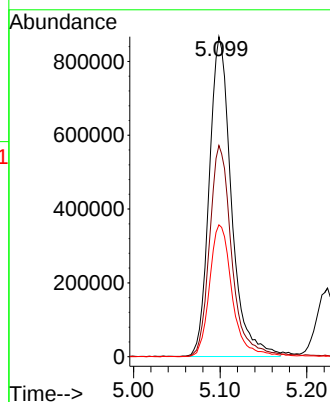
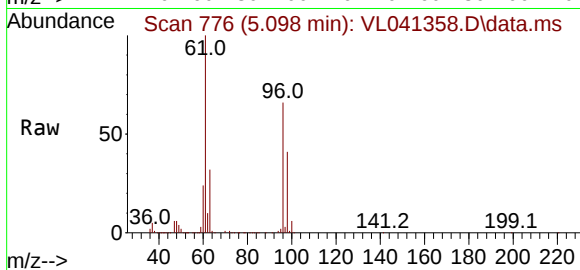
98 41.2 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024

Supervised By :Mahesh Dadoda 06/27/2024



#32

1,1,1-Trichloroethane

Concen: 14.727 ppbv

RT: 6.024 min Scan# 1064

Delta R.T. 0.010 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

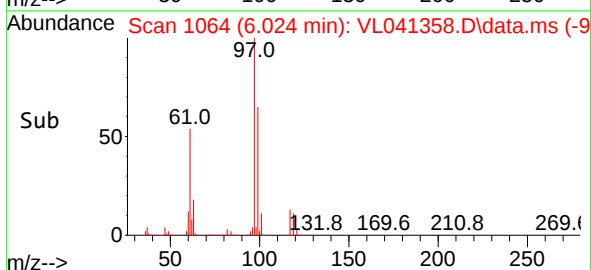
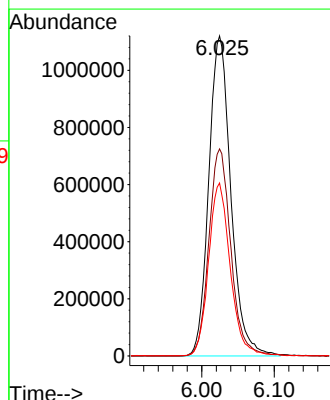
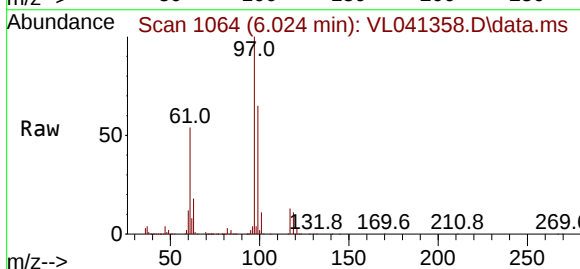
Tgt Ion: 97 Resp: 2374020

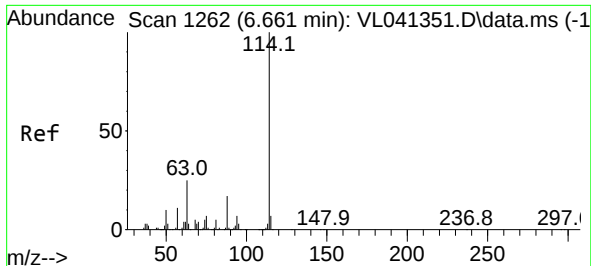
Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

61 53.2 43.0 64.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.677 min Scan# 114

Delta R.T. 0.010 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion:114 Resp: 291896

Ion Ratio Lower Upper

114 100

63 25.9 20.6 31.0

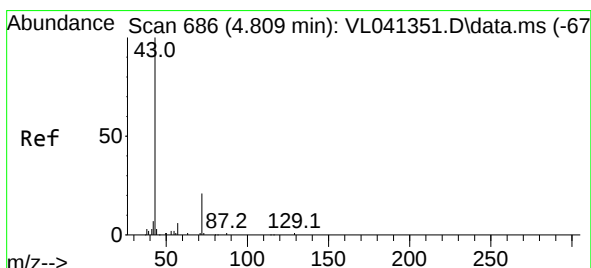
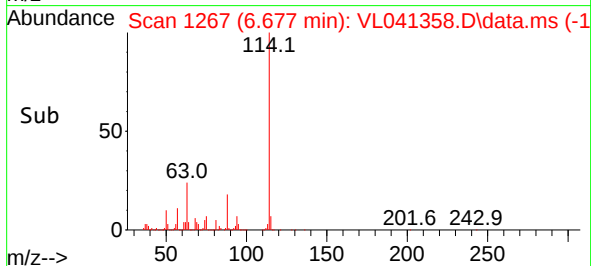
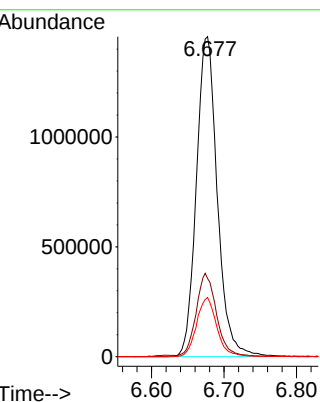
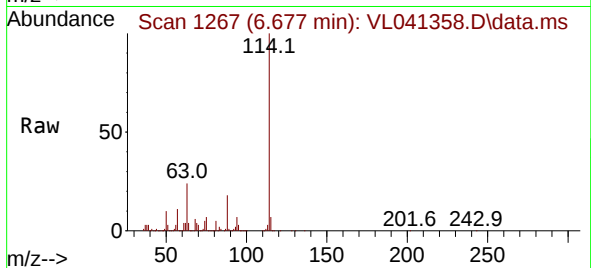
88 17.9 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024

Supervised By :Mahesh Dadoda 06/27/2024



#34

2-Butanone

Concen: 15.265 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.010 min

Lab File: VL041358.D

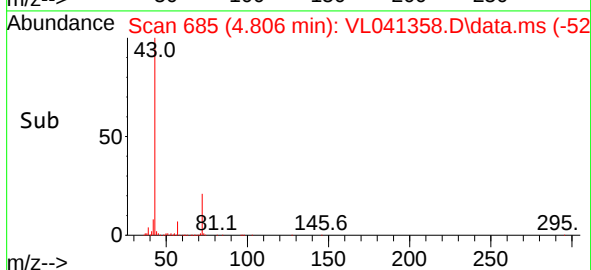
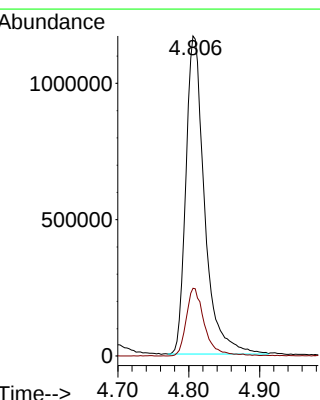
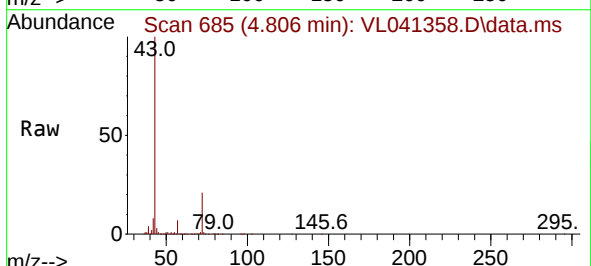
Acq: 26 Jun 2024 12:54

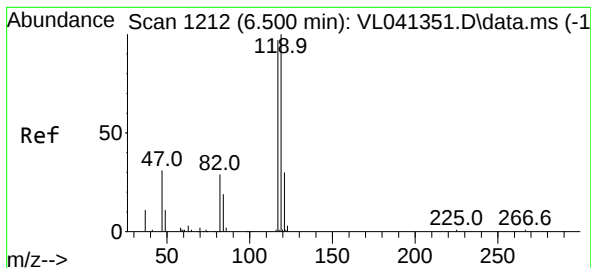
Tgt Ion: 43 Resp: 2134687

Ion Ratio Lower Upper

43 100

72 21.2 17.2 25.8





#35

Carbon Tetrachloride

Concen: 14.931 ppbv

RT: 6.513 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC015

Tgt Ion:117 Resp: 247710

Ion Ratio Lower Upper

117 100

119 96.2 77.2 115.8

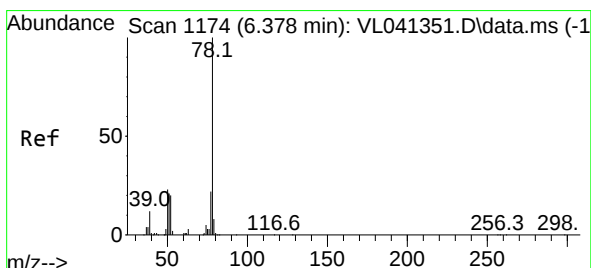
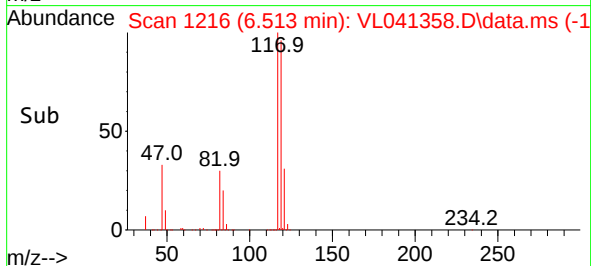
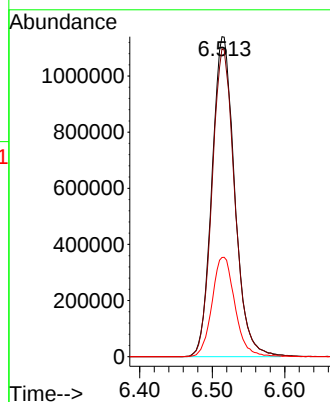
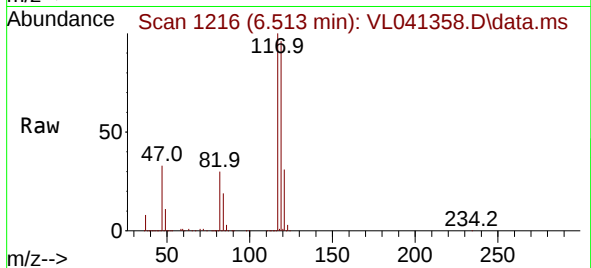
121 31.0 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024

Supervised By :Mahesh Dadoda 06/27/2024



#36

Benzene

Concen: 14.165 ppbv

RT: 6.394 min Scan# 1179

Delta R.T. 0.013 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

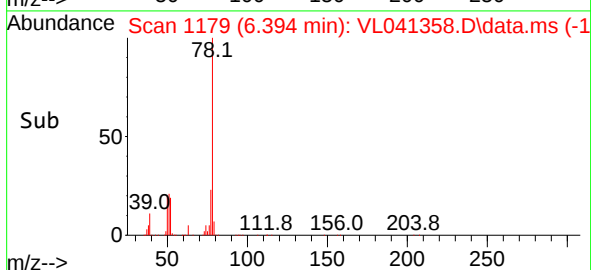
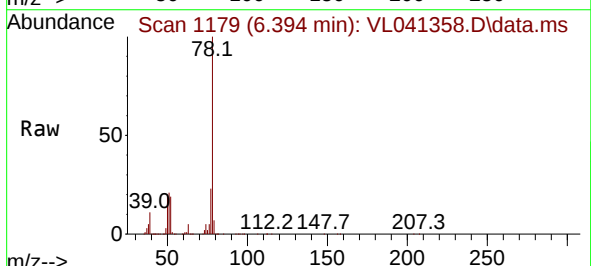
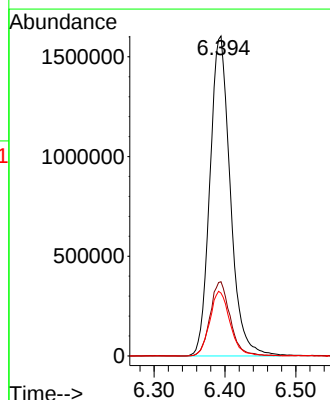
Tgt Ion: 78 Resp: 3204795

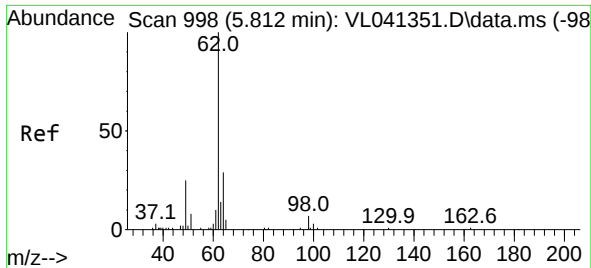
Ion Ratio Lower Upper

78 100

77 23.2 17.9 26.9

50 19.6 15.5 23.3





#37  
1,2-Dichloroethane  
Concen: 14.266 ppbv  
RT: 5.832 min Scan# 1004  
Delta R.T. 0.013 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Instrument :

MSVOA\_L

ClientSampleId :

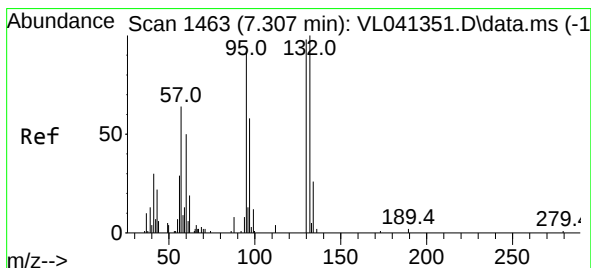
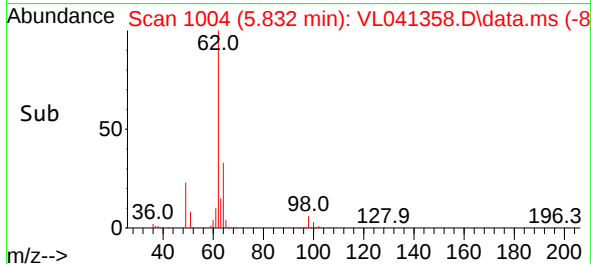
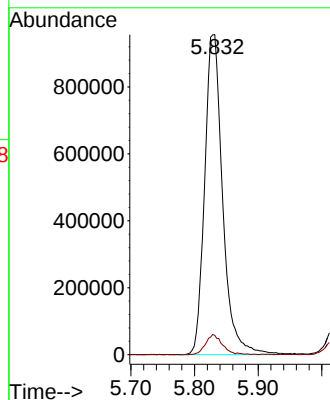
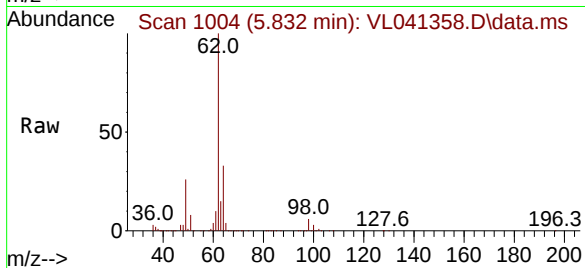
VSTDIC015

Tgt Ion: 62 Resp: 1881720  
Ion Ratio Lower Upper  
62 100  
98 6.1 4.8 7.2

Manual Integrations

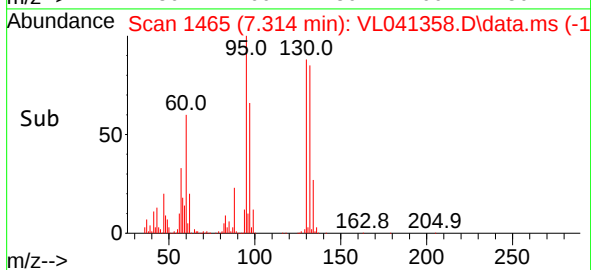
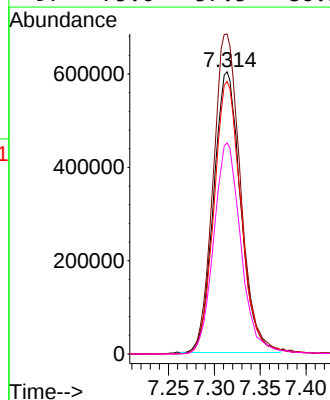
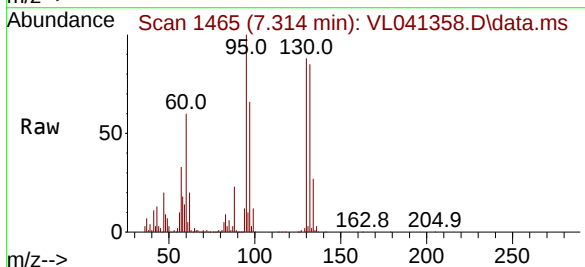
APPROVED

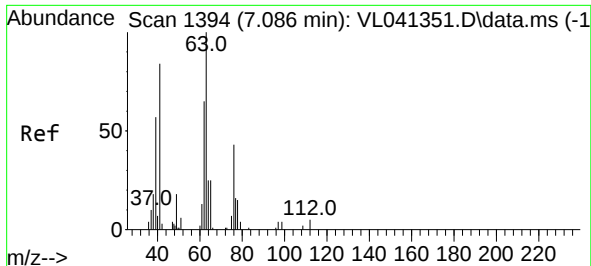
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#38  
Trichloroethene  
Concen: 13.433 ppbv  
RT: 7.314 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Tgt Ion:130 Resp: 1231679  
Ion Ratio Lower Upper  
130 100  
95 113.9 90.0 135.0  
132 96.9 74.8 112.2  
97 75.0 57.5 86.3





#39

1,2-Dichloropropane

Concen: 13.783 ppbv

RT: 7.095 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL041358.D

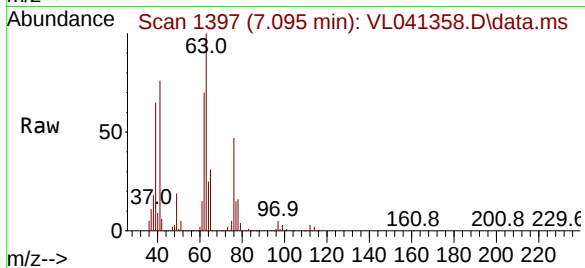
Acq: 26 Jun 2024 12:54

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015



Tgt Ion: 63 Resp: 1241698

Ion Ratio Lower Upper

63 100

41 75.7 64.0 96.0

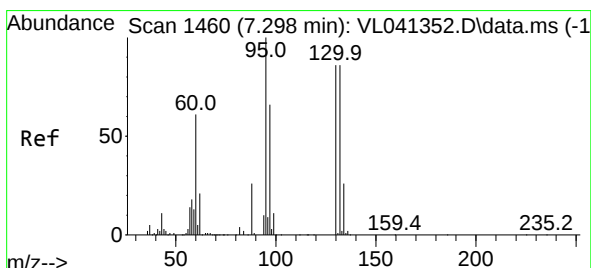
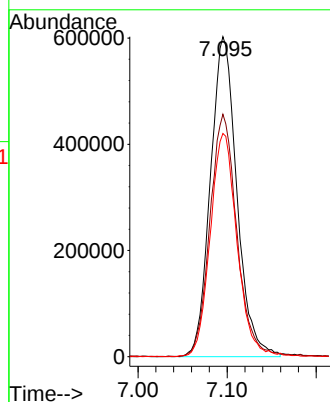
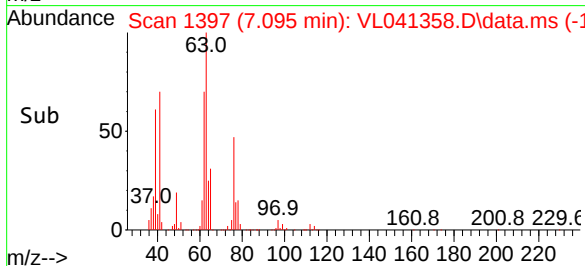
62 69.4 55.2 82.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/27/2024

Supervised By :Mahesh Dadoda 06/27/2024



#40

1,4-Dioxane

Concen: 12.073 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. 0.006 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

Tgt Ion: 88 Resp: 398340

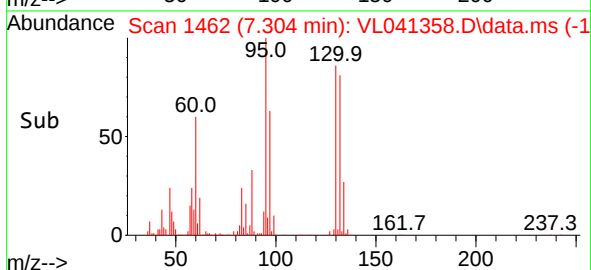
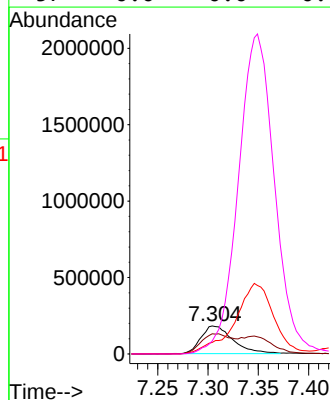
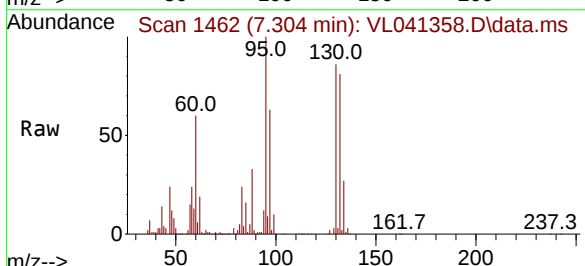
Ion Ratio Lower Upper

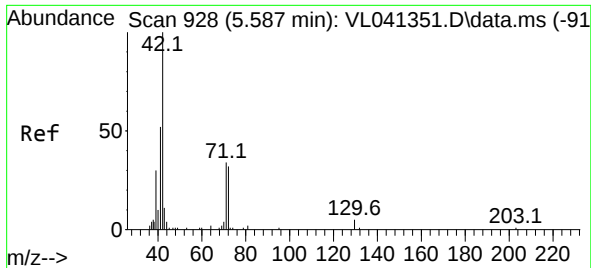
88 100

58 73.7 47.9 71.9

43 0.0 0.0 0.0

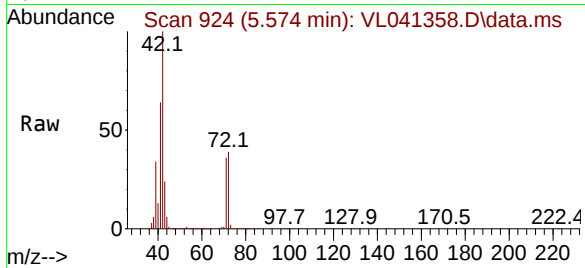
57 0.0 0.0 0.0





#41  
Tetrahydrofuran  
Concen: 14.645 ppbv  
RT: 5.574 min Scan# 91  
Delta R.T. 0.010 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

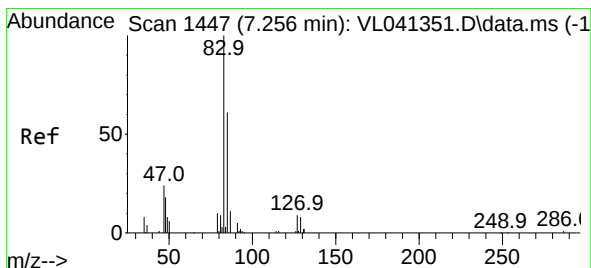
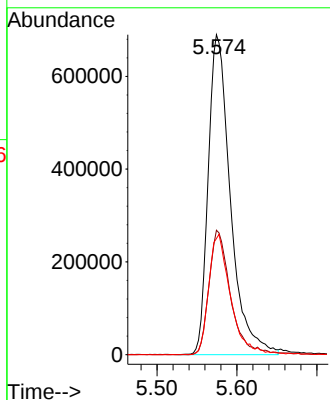
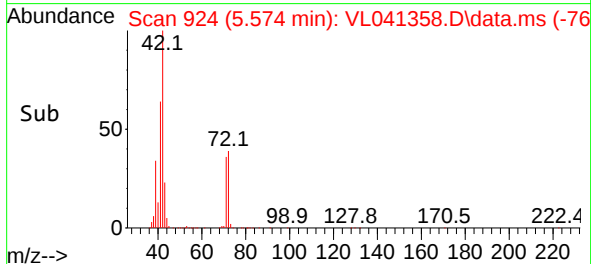
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



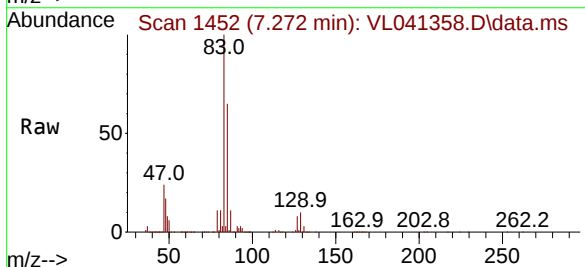
Tgt Ion: 42 Resp: 133254  
Ion Ratio Lower Upper  
42 100  
72 38.3 30.3 45.5  
71 37.2 29.7 44.5

Manual Integrations  
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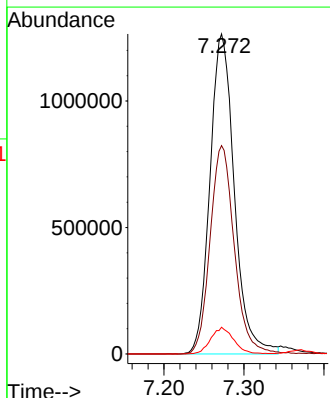
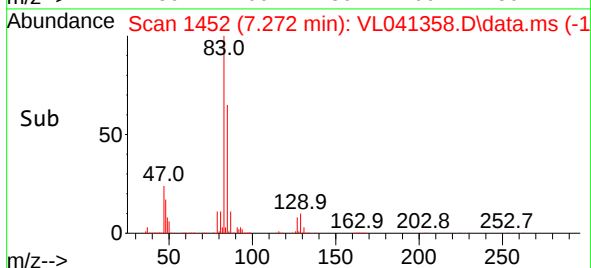
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024

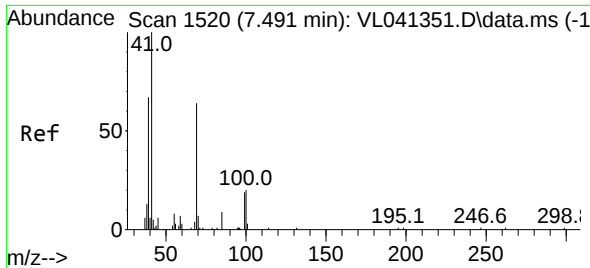


#42  
Bromodichloromethane  
Concen: 14.130 ppbv  
RT: 7.272 min Scan# 1452  
Delta R.T. 0.006 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54



Tgt Ion: 83 Resp: 2676894  
Ion Ratio Lower Upper  
83 100  
85 65.1 52.0 78.0  
127 8.4 6.0 9.0





#43  
Methyl Methacrylate  
Concen: 15.301 ppbv  
RT: 7.494 min Scan# 1521  
Delta R.T. 0.006 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Instrument :

MSVOA\_L

ClientSampleId :

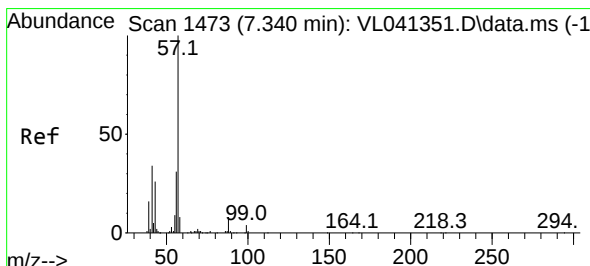
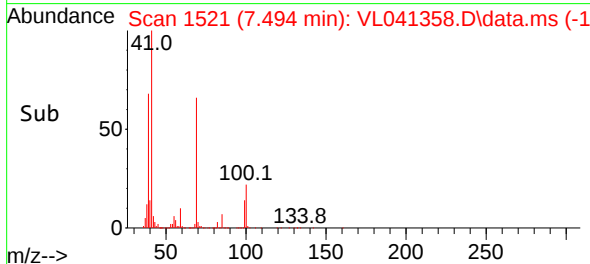
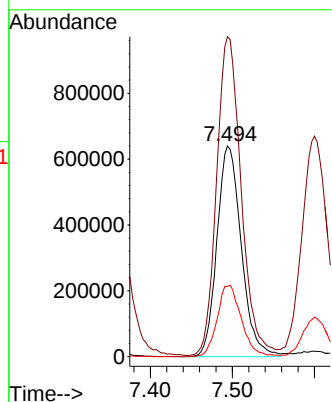
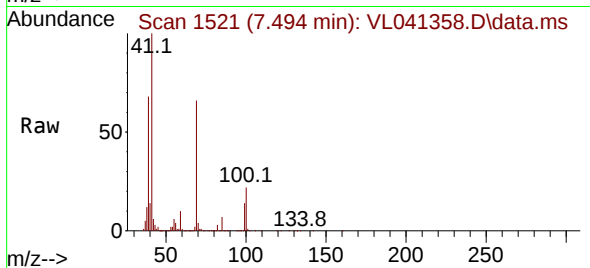
VSTDIC015

Tgt Ion: 69 Resp: 1319049  
Ion Ratio Lower Upper  
69 100  
41 153.6 125.0 187.6  
100 33.8 26.8 40.2

Manual Integrations

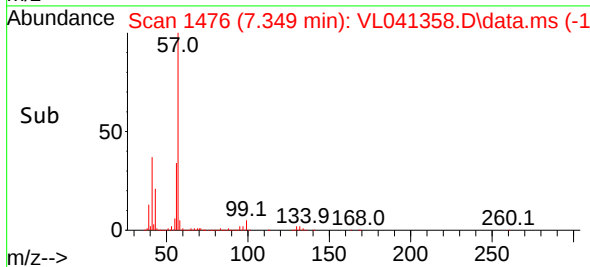
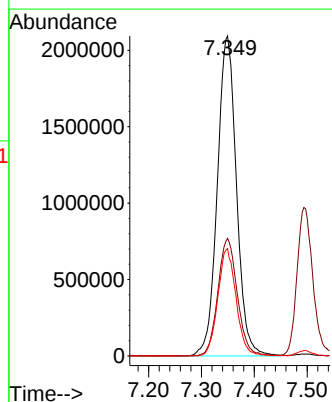
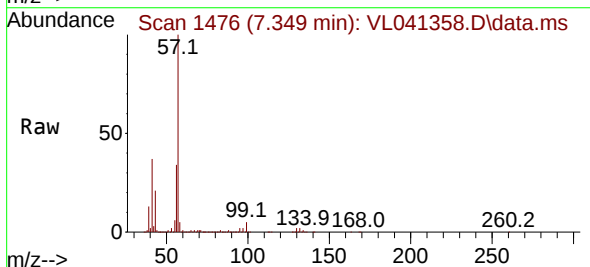
APPROVED

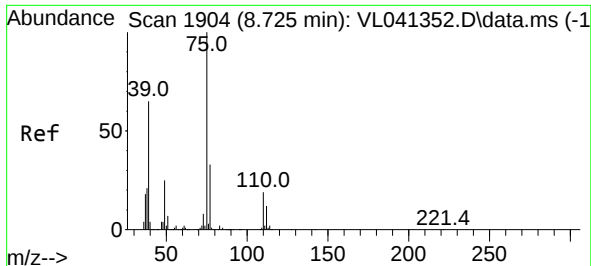
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#44  
2,2,4-Trimethylpentane  
Concen: 13.570 ppbv  
RT: 7.349 min Scan# 1476  
Delta R.T. 0.010 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Tgt Ion: 57 Resp: 5280128  
Ion Ratio Lower Upper  
57 100  
41 37.2 29.6 44.4  
56 31.9 25.7 38.5





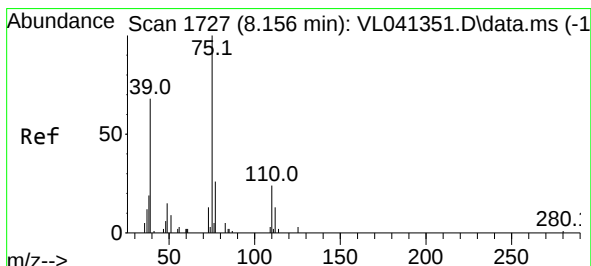
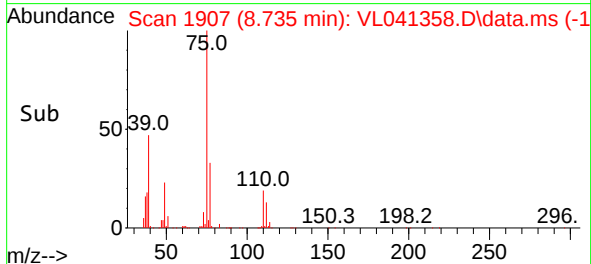
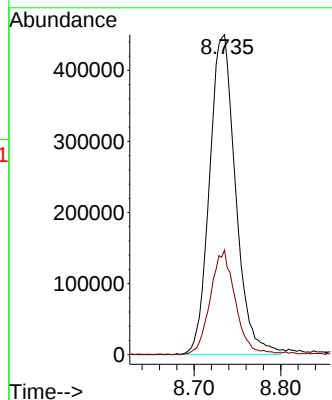
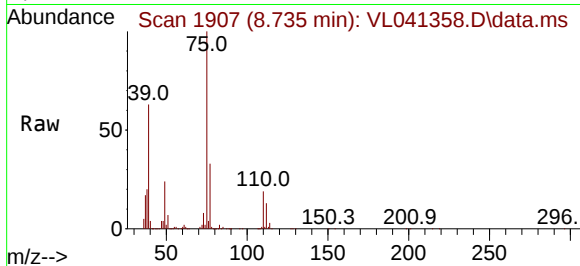
#45  
t-1,3-Dichloropropene  
Concen: 16.150 ppbv  
RT: 8.735 min Scan# 1904  
Delta R.T. 0.010 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 75 Resp: 939432  
Ion Ratio Lower Upper  
75 100  
77 32.7 26.2 39.2

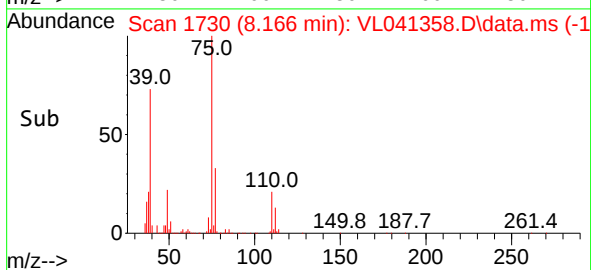
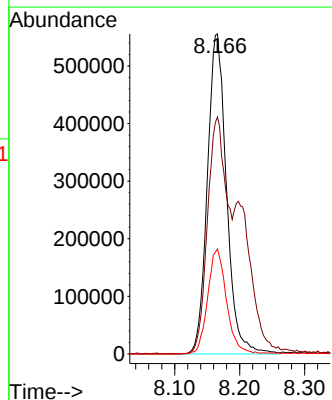
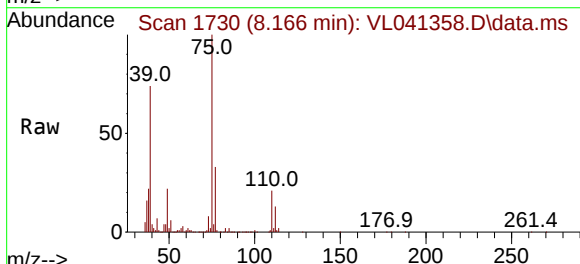
Manual Integrations  
APPROVED

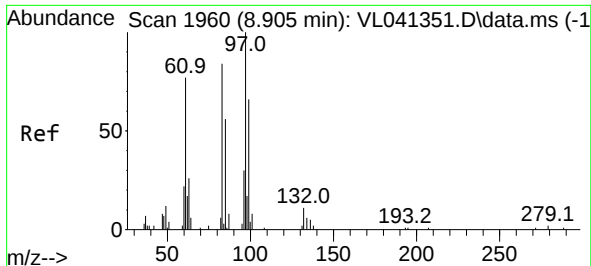
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#46  
cis-1,3-Dichloropropene  
Concen: 15.221 ppbv  
RT: 8.166 min Scan# 1730  
Delta R.T. 0.006 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

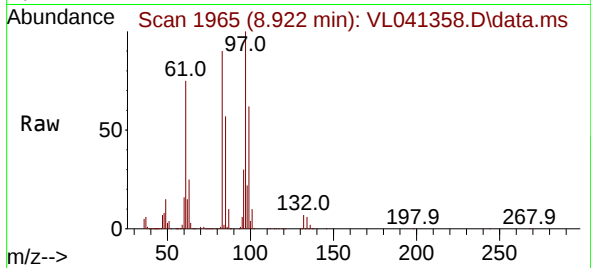
Tgt Ion: 75 Resp: 1139732  
Ion Ratio Lower Upper  
75 100  
39 74.1 56.6 85.0  
77 32.8 25.5 38.3





#47  
1,1,2-Trichloroethane  
Concen: 14.107 ppbv  
RT: 8.922 min Scan# 1960  
Delta R.T. 0.010 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

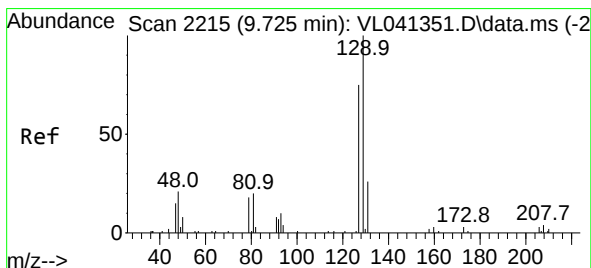
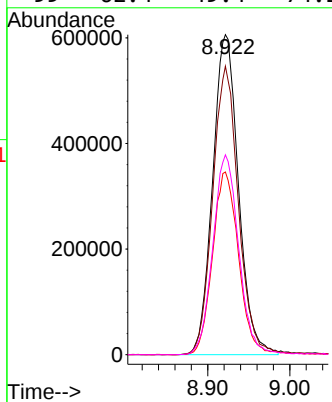
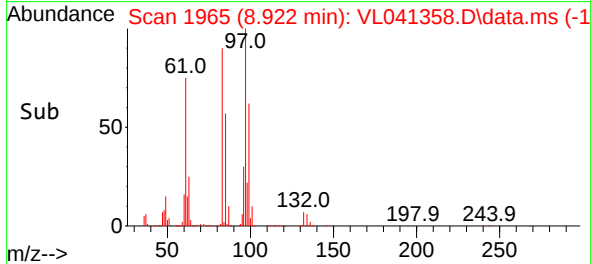
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 97 Resp: 132814  
Ion Ratio Lower Upper  
97 100  
83 90.1 72.4 108.6  
85 57.1 42.6 64.0  
99 62.4 49.4 74.2

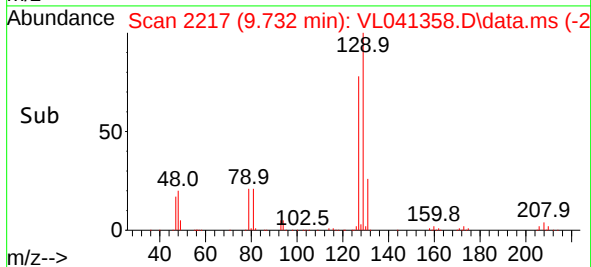
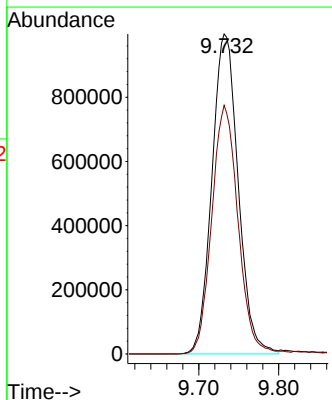
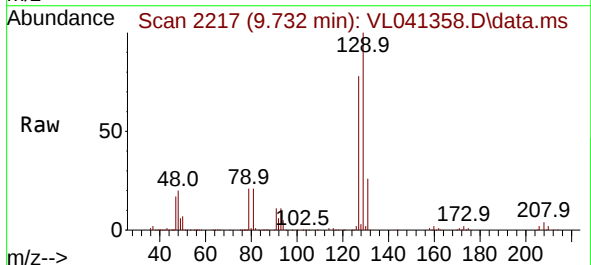
Manual Integrations  
APPROVED

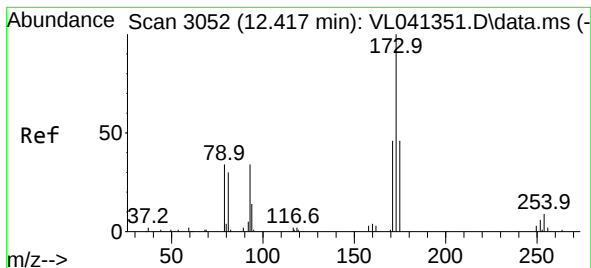
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#48  
Dibromochloromethane  
Concen: 14.674 ppbv  
RT: 9.732 min Scan# 2217  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Tgt Ion:129 Resp: 2276772  
Ion Ratio Lower Upper  
129 100  
127 78.2 39.9 119.7





#49

Bromoform

Concen: 14.908 ppbv

RT: 12.429 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion:173 Resp: 186400

Ion Ratio Lower Upper

173 100

175 51.7 40.3 60.5

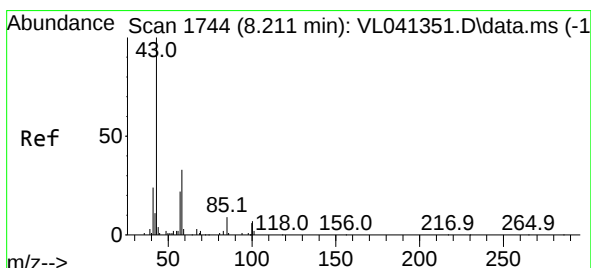
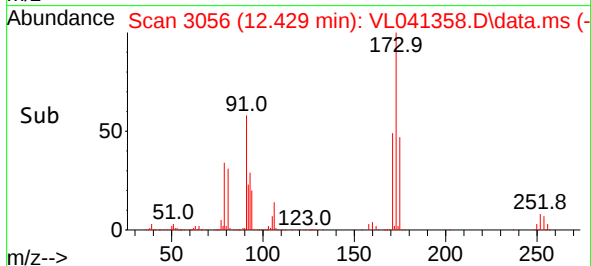
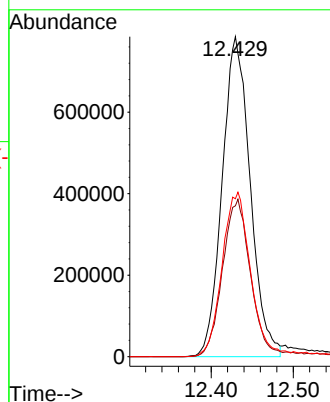
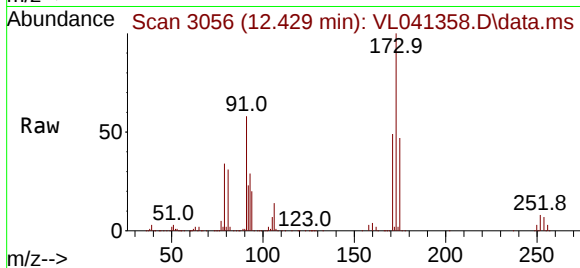
171 54.8 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024

Supervised By :Mahesh Dadoda 06/27/2024



#50

4-Methyl-2-Pentanone

Concen: 14.515 ppbv

RT: 8.201 min Scan# 1741

Delta R.T. 0.006 min

Lab File: VL041358.D

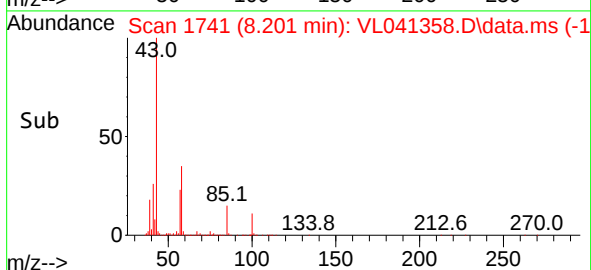
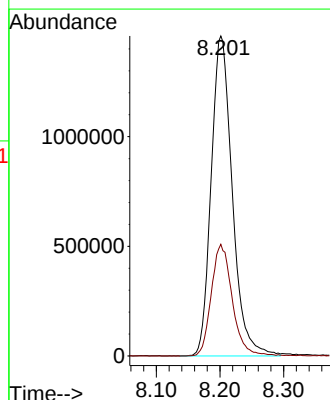
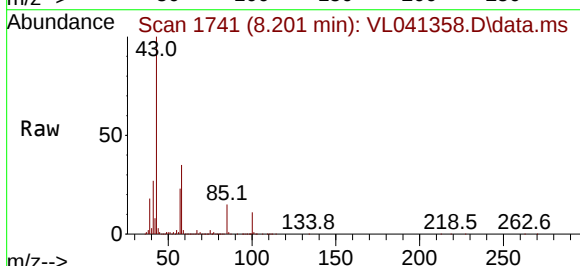
Acq: 26 Jun 2024 12:54

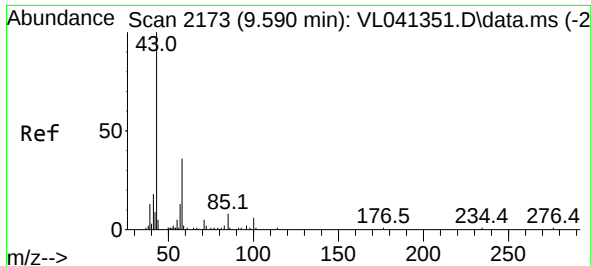
Tgt Ion: 43 Resp: 3359942

Ion Ratio Lower Upper

43 100

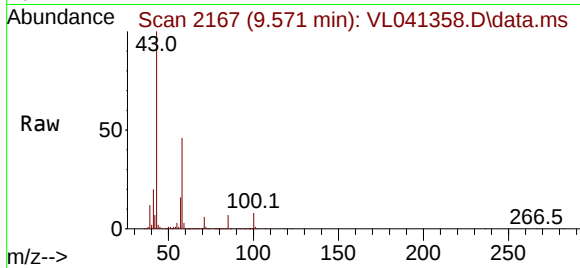
58 34.9 27.8 41.8





#51  
2-Hexanone  
Concen: 15.038 ppbv  
RT: 9.571 min Scan# 2173  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

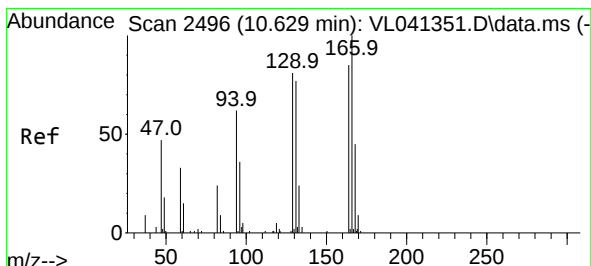
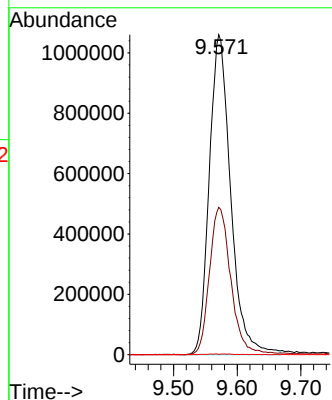
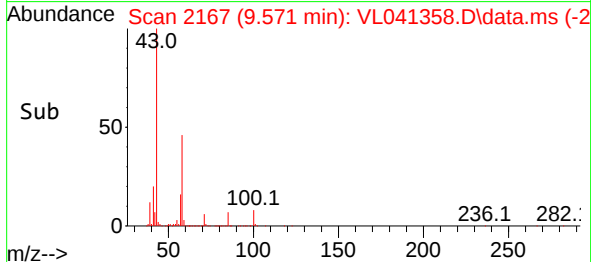
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



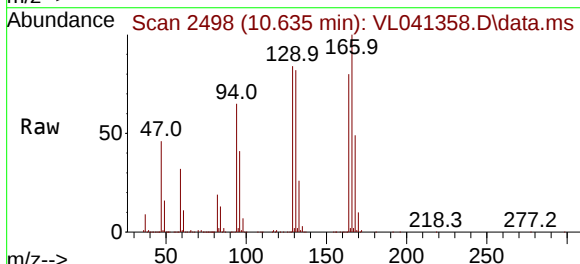
Tgt Ion: 43 Resp: 2474194  
Ion Ratio Lower Upper  
43 100  
58 46.5 38.0 57.0  
98 0.3 0.2 0.2

Manual Integrations  
APPROVED

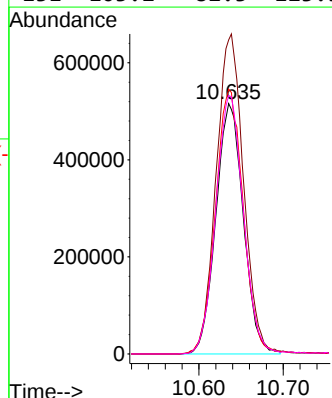
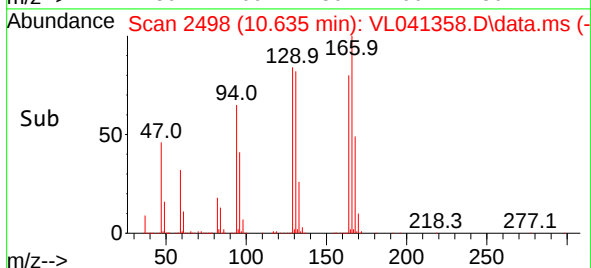
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024

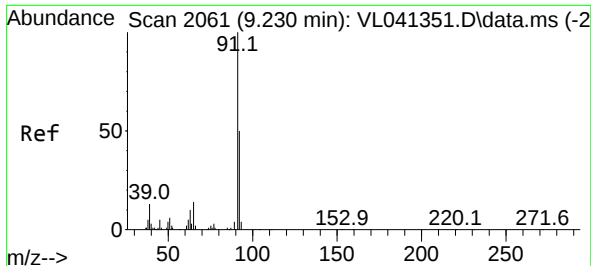


#52  
Tetrachloroethene  
Concen: 14.102 ppbv  
RT: 10.635 min Scan# 2498  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54



Tgt Ion:164 Resp: 1163520  
Ion Ratio Lower Upper  
164 100  
166 125.4 99.8 149.8  
129 105.7 83.8 125.6  
131 103.2 82.3 123.5





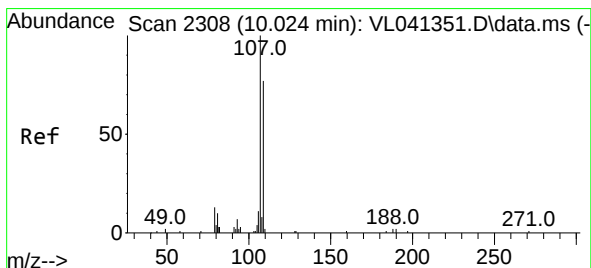
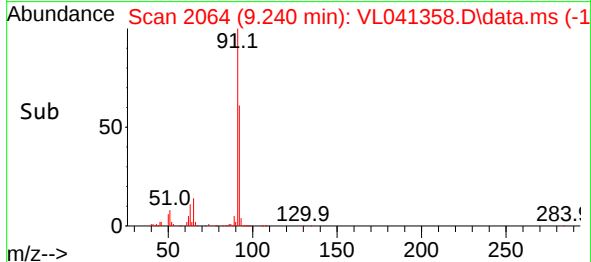
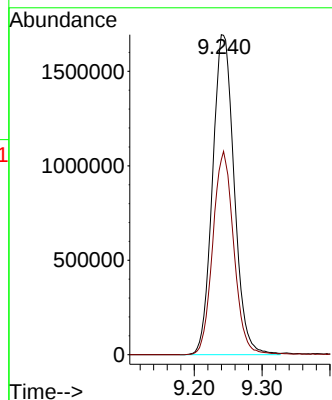
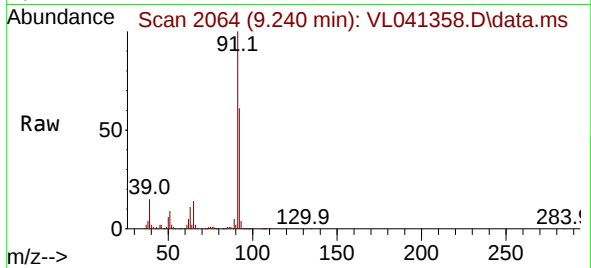
#53  
Toluene  
Concen: 14.444 ppbv  
RT: 9.240 min Scan# 2061  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 91 Resp: 375905  
Ion Ratio Lower Upper  
91 100  
92 61.7 48.5 72.7

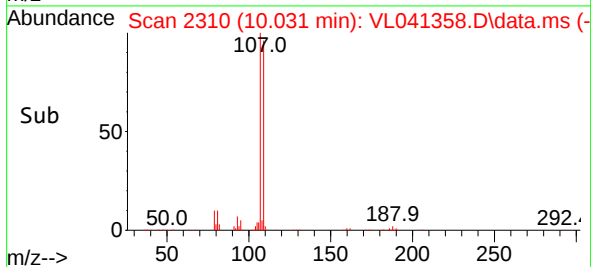
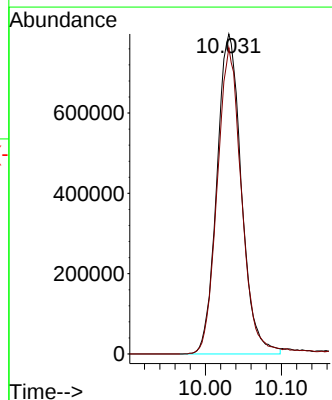
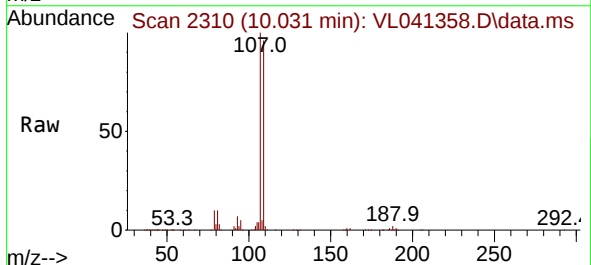
Manual Integrations  
APPROVED

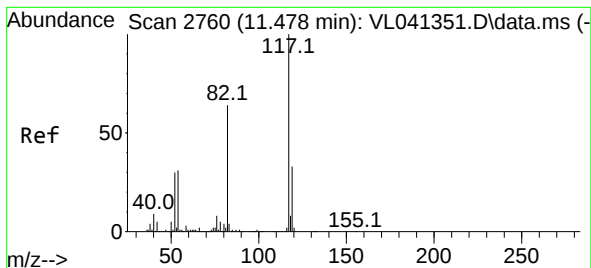
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#54  
1,2-Dibromoethane  
Concen: 14.549 ppbv  
RT: 10.031 min Scan# 2310  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

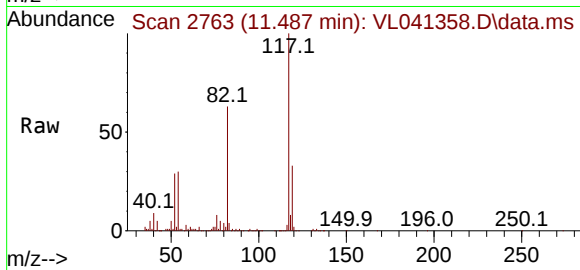
Tgt Ion:107 Resp: 1785713  
Ion Ratio Lower Upper  
107 100  
109 95.7 75.8 113.6





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.487 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

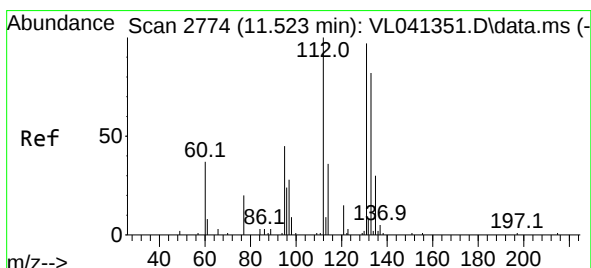
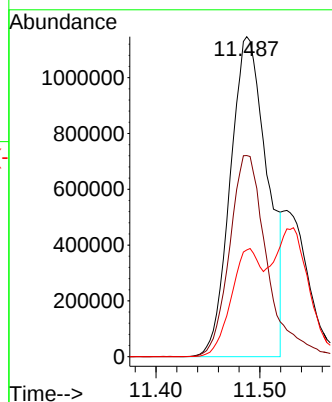
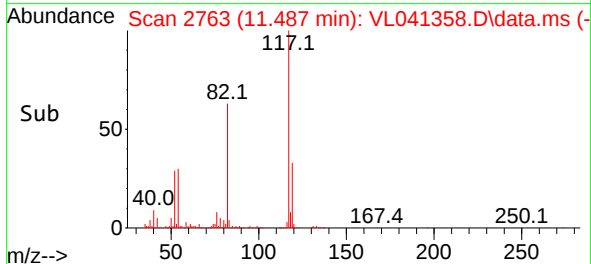
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion:117 Resp: 2836754  
Ion Ratio Lower Upper  
117 100  
82 64.8 50.6 75.8  
119 25.2 24.7 37.1

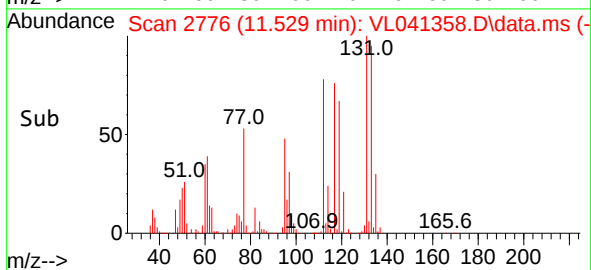
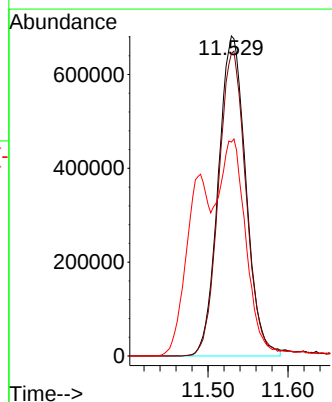
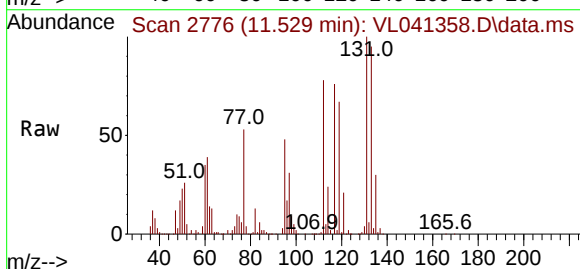
Manual Integrations  
APPROVED

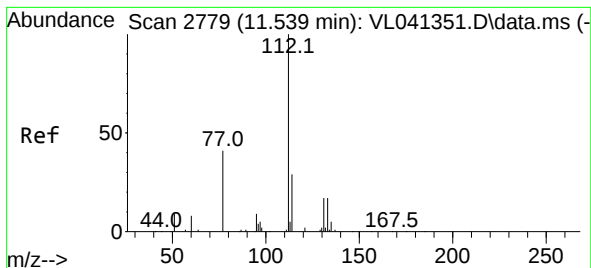
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#56  
1,1,1,2-Tetrachloroethane  
Concen: 13.610 ppbv  
RT: 11.529 min Scan# 2776  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Tgt Ion:131 Resp: 1632957  
Ion Ratio Lower Upper  
131 100  
133 97.6 76.8 115.2  
119 74.6 49.4 74.0#





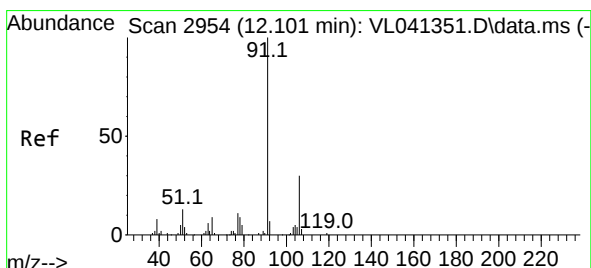
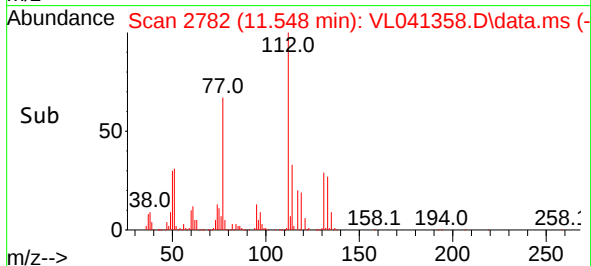
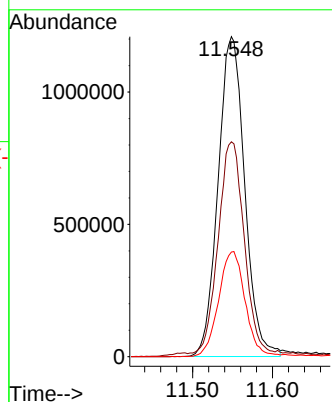
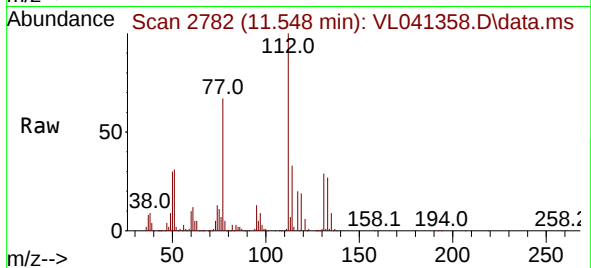
#57  
Chlorobenzene  
Concen: 13.263 ppbv  
RT: 11.548 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015

Tgt Ion:112 Resp: 2794769  
Ion Ratio Lower Upper  
112 100  
77 66.1 53.2 79.8  
114 32.7 30.1 36.7

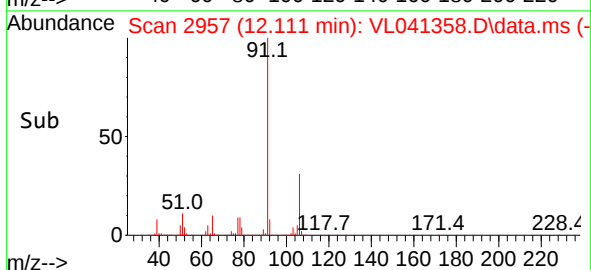
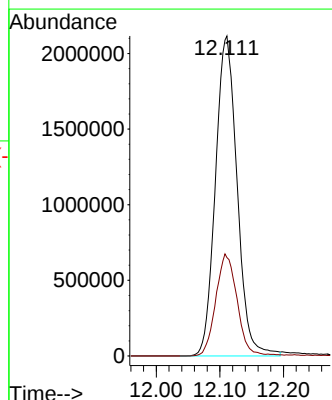
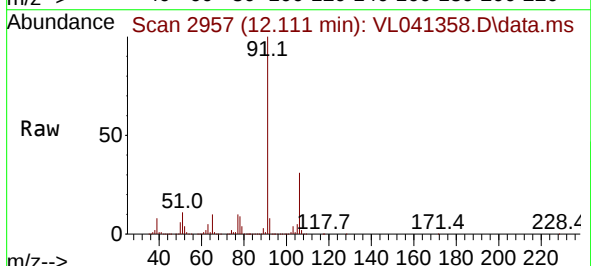
Manual Integrations  
APPROVED

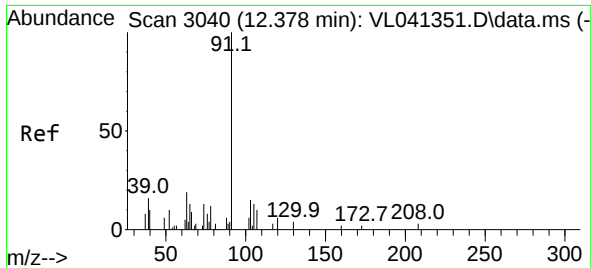
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#58  
Ethyl Benzene  
Concen: 13.784 ppbv  
RT: 12.111 min Scan# 2957  
Delta R.T. 0.006 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Tgt Ion: 91 Resp: 5012346  
Ion Ratio Lower Upper  
91 100  
106 30.7 25.4 38.0





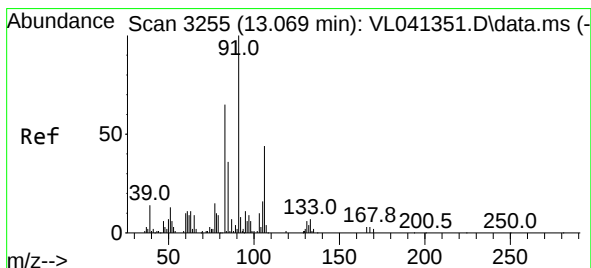
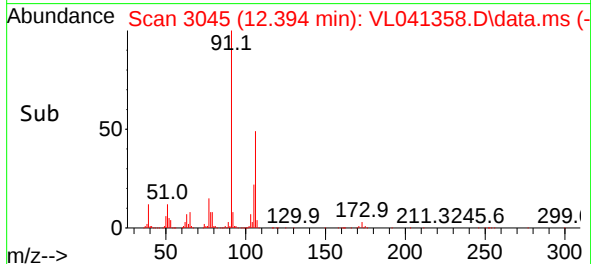
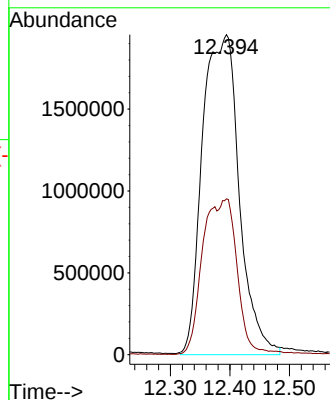
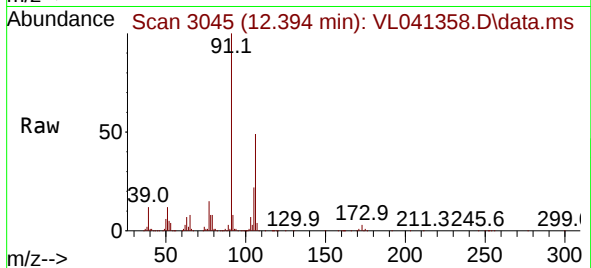
#59  
m/p-Xylene  
Concen: 26.923 ppbv m  
RT: 12.394 min Scan# 3045  
Delta R.T. 0.010 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 91 Resp: 8387629  
Ion Ratio Lower Upper  
91 100  
106 46.3 35.6 53.4

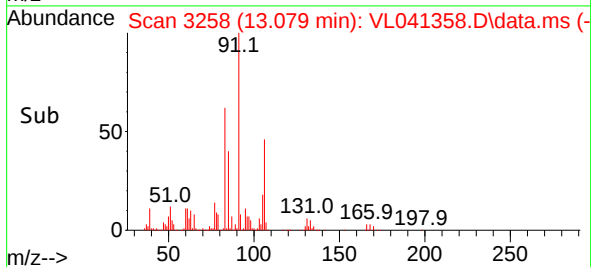
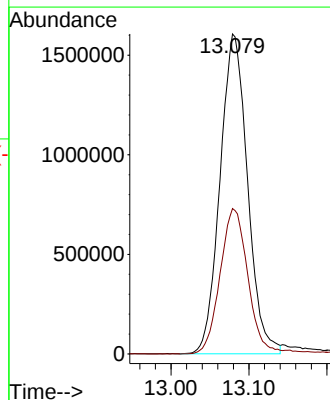
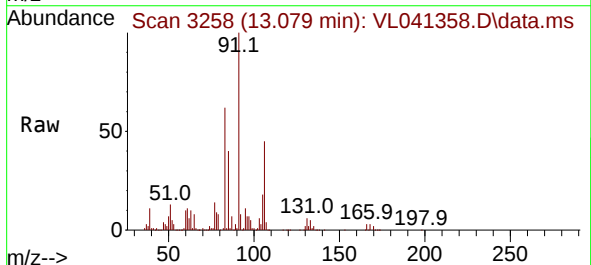
Manual Integrations  
APPROVED

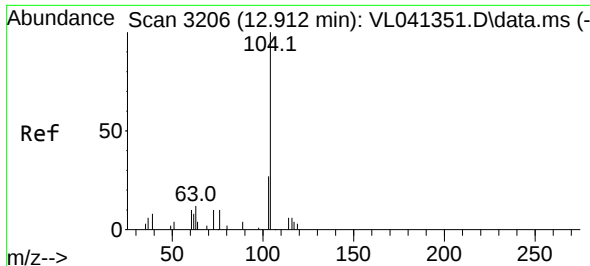
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#60  
o-Xylene  
Concen: 13.248 ppbv  
RT: 13.079 min Scan# 3258  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

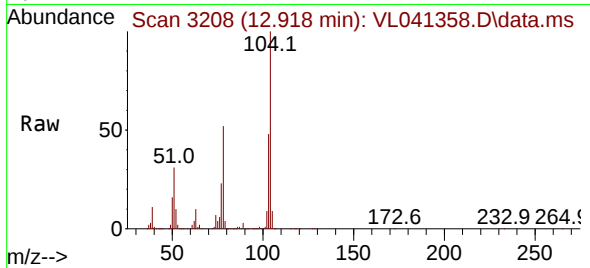
Tgt Ion: 91 Resp: 3934582  
Ion Ratio Lower Upper  
91 100  
106 47.3 23.3 69.8





#61  
Styrene  
Concen: 14.981 ppbv  
RT: 12.918 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

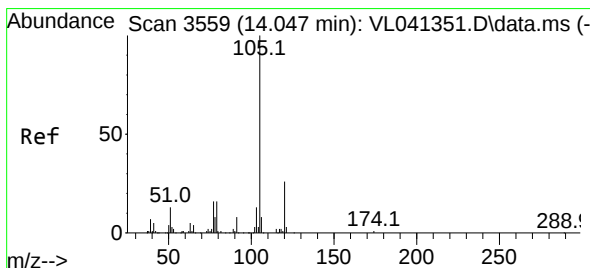
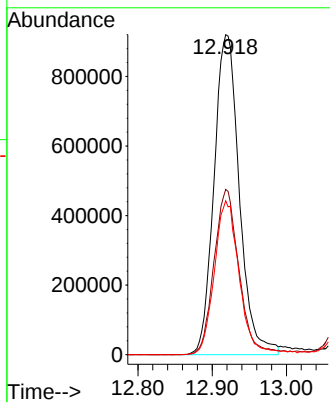
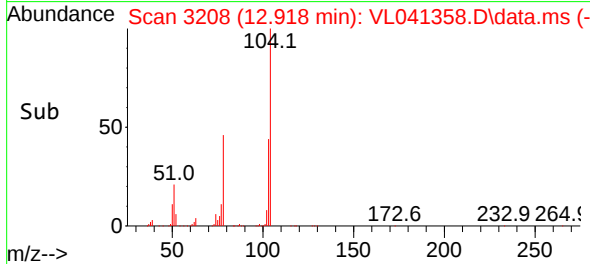
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



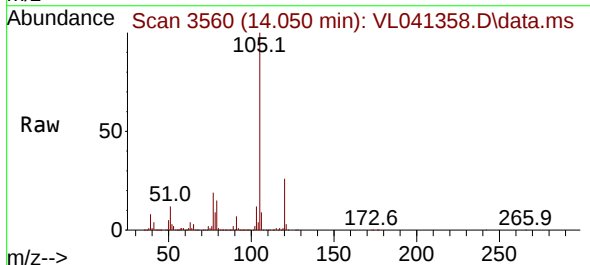
Tgt Ion:104 Resp: 218140  
Ion Ratio Lower Upper  
104 100  
78 51.7 40.6 61.0  
103 47.9 37.4 56.0

Manual Integrations  
APPROVED

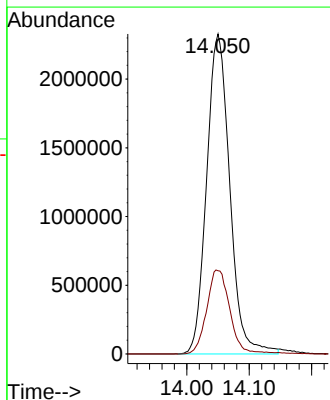
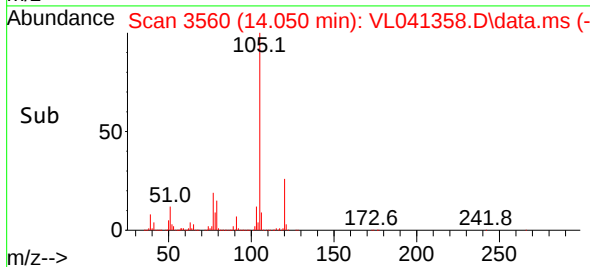
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024

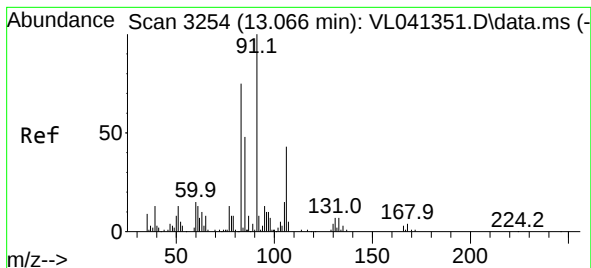


#62  
Isopropylbenzene  
Concen: 13.349 ppbv  
RT: 14.050 min Scan# 3560  
Delta R.T. 0.006 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54



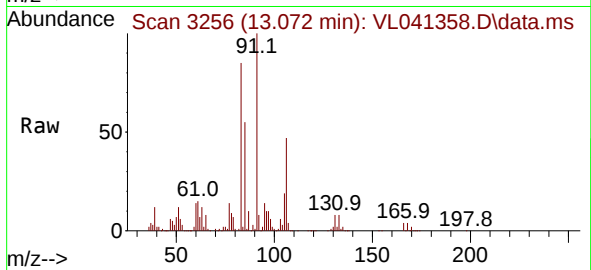
Tgt Ion:105 Resp: 5996265  
Ion Ratio Lower Upper  
105 100  
120 26.5 20.9 31.3





#63  
1,1,2,2-Tetrachloroethane  
Concen: 13.579 ppbv  
RT: 13.072 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

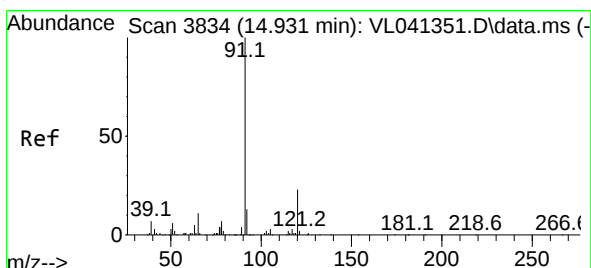
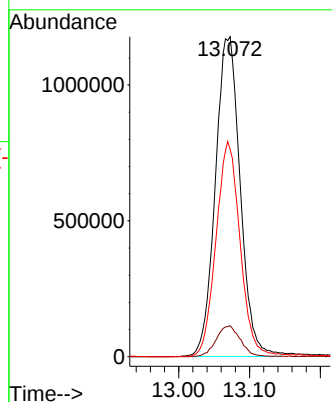
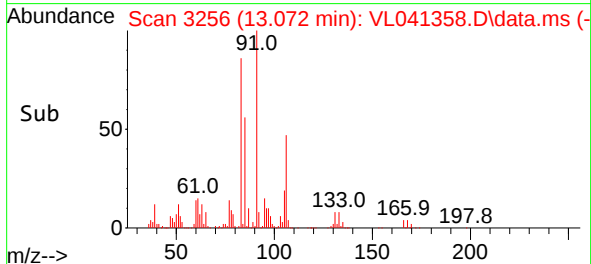
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



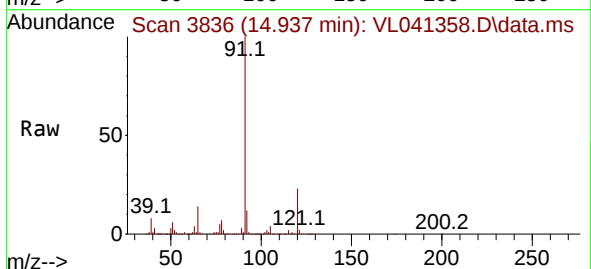
Tgt Ion: 83 Resp: 2869420  
Ion Ratio Lower Upper  
83 100  
131 9.6 4.8 14.4  
85 66.3 33.0 98.9

Manual Integrations  
APPROVED

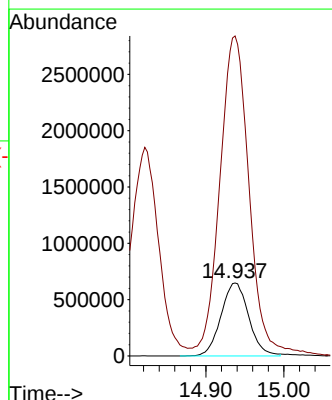
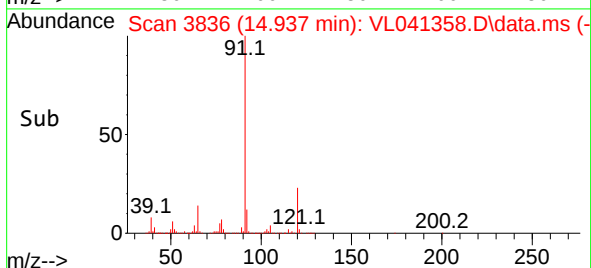
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024

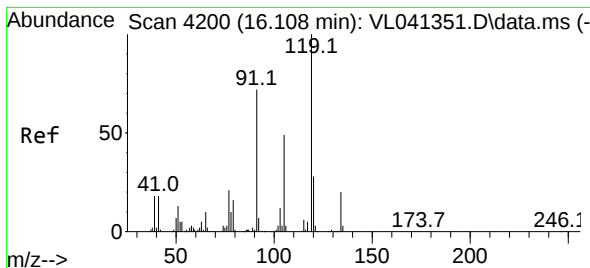


#64  
n-propylbenzene  
Concen: 13.843 ppbv  
RT: 14.937 min Scan# 3836  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54



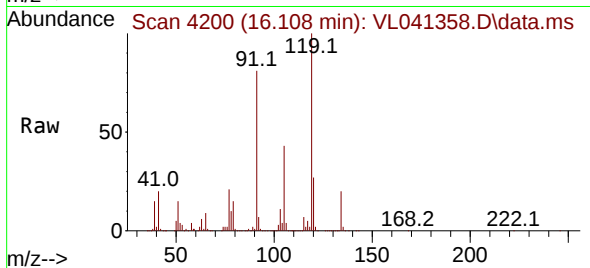
Tgt Ion:120 Resp: 1602547  
Ion Ratio Lower Upper  
120 100  
91 464.8 378.4 567.6





#65  
tert-Butylbenzene  
Concen: 13.287 ppbv  
RT: 16.108 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

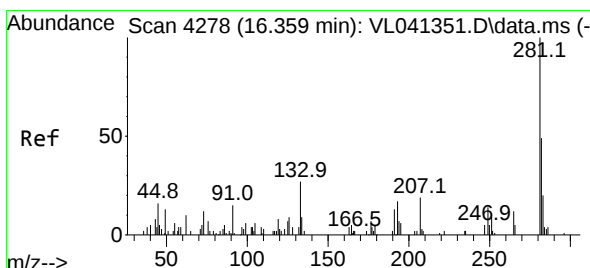
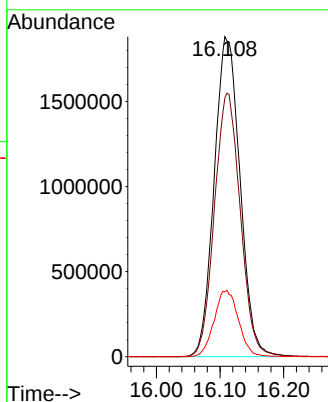
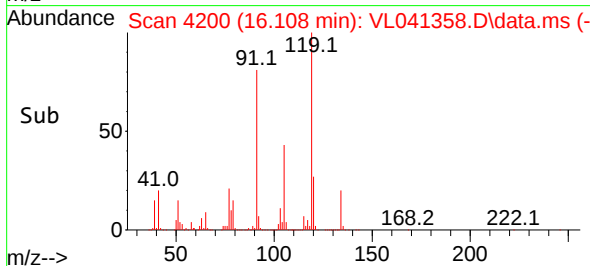
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



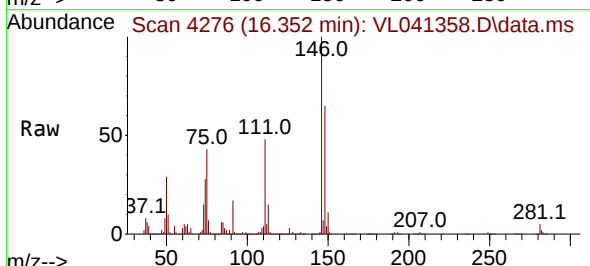
Tgt Ion:119 Resp: 5305584  
Ion Ratio Lower Upper  
119 100  
91 82.4 65.8 98.6  
134 19.6 15.7 23.5

Manual Integrations  
APPROVED

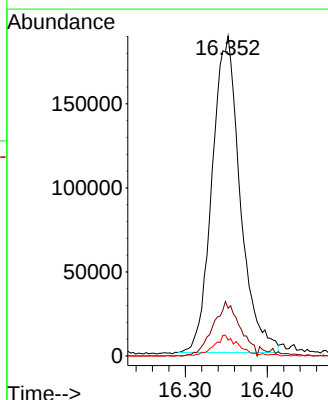
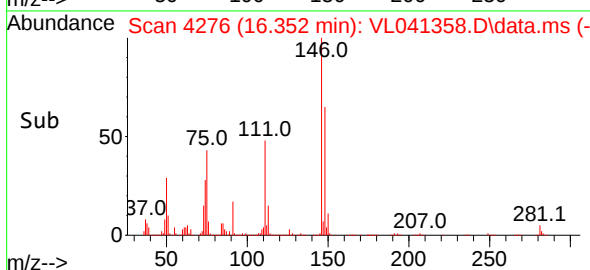
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024

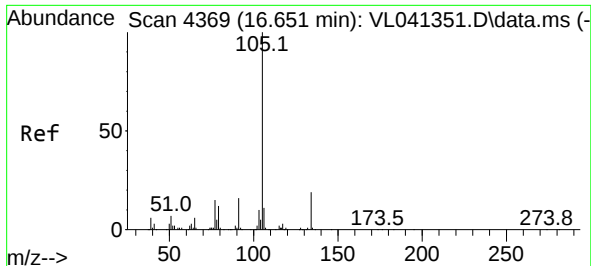


#66  
Benzyl Chloride  
Concen: 17.016 ppbv  
RT: 16.352 min Scan# 4276  
Delta R.T. 0.010 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54



Tgt Ion: 91 Resp: 447058  
Ion Ratio Lower Upper  
91 100  
126 16.9 15.4 23.0  
128 6.0 5.0 7.4





#67

sec-Butylbenzene

Concen: 13.301 ppbv

RT: 16.658 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 750332

Ion Ratio Lower Upper

105 100

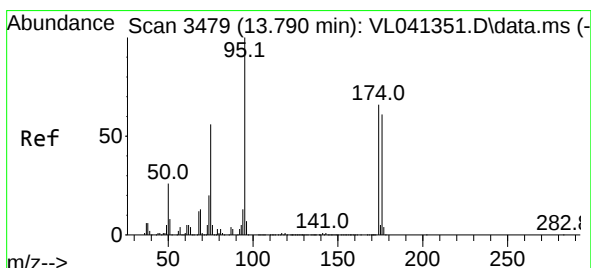
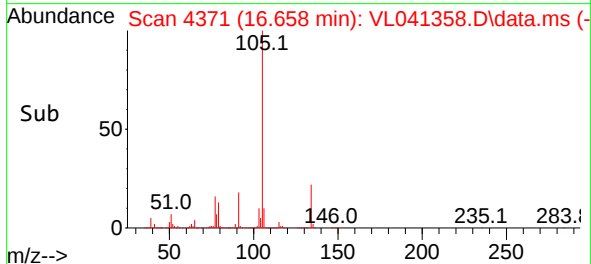
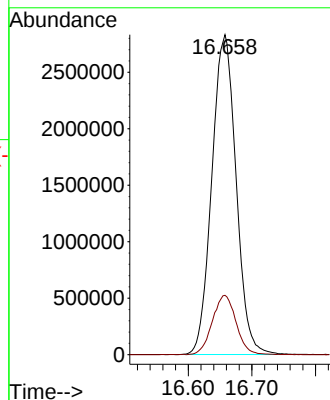
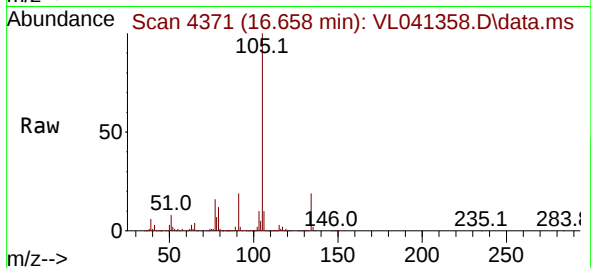
134 18.3 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024

Supervised By :Mahesh Dadoda 06/27/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.604 ppbv

RT: 13.796 min Scan# 3481

Delta R.T. 0.003 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

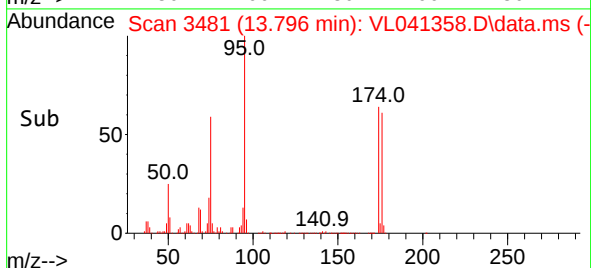
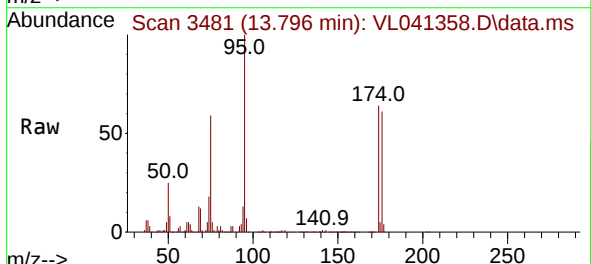
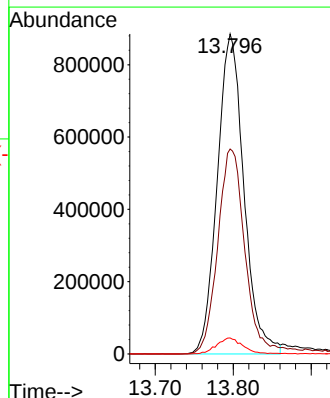
Tgt Ion: 95 Resp: 2103568

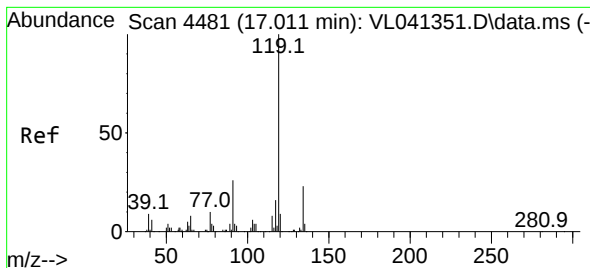
Ion Ratio Lower Upper

95 100

174 67.2 53.1 79.7

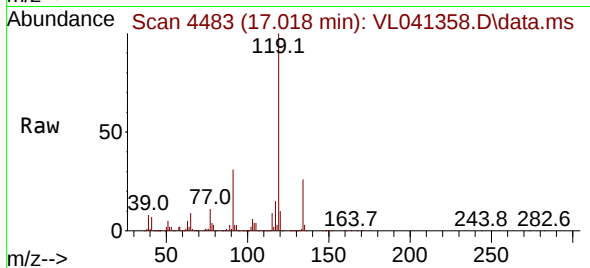
175 5.1 4.0 6.0





#69  
p-Isopropyltoluene  
Concen: 13.620 ppbv  
RT: 17.018 min Scan# 4481  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

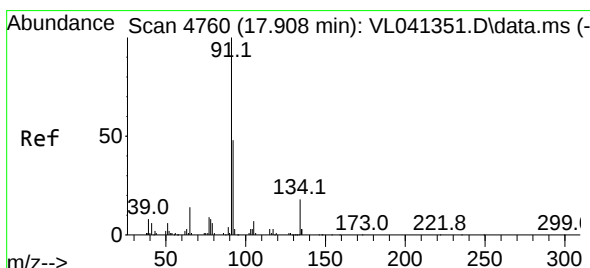
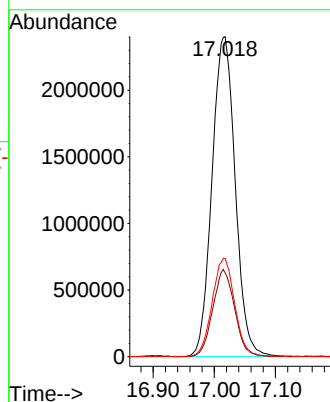
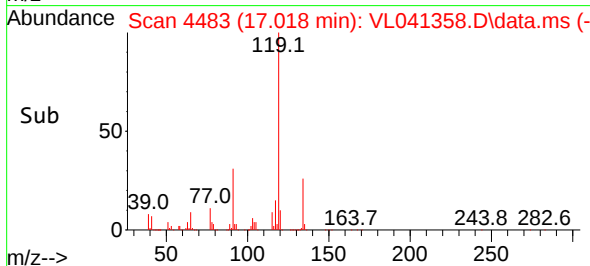
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



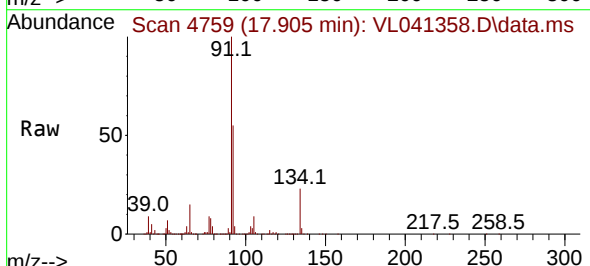
Tgt Ion:119 Resp: 633214  
Ion Ratio Lower Upper  
119 100  
134 25.7 20.0 30.0  
91 29.8 23.7 35.5

Manual Integrations  
APPROVED

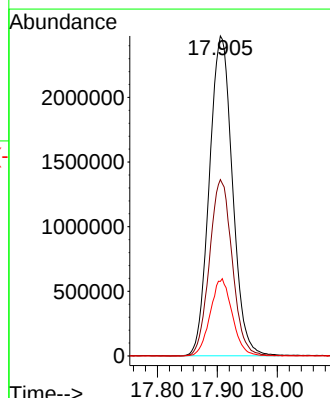
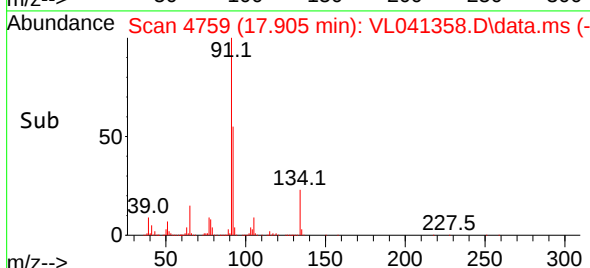
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024

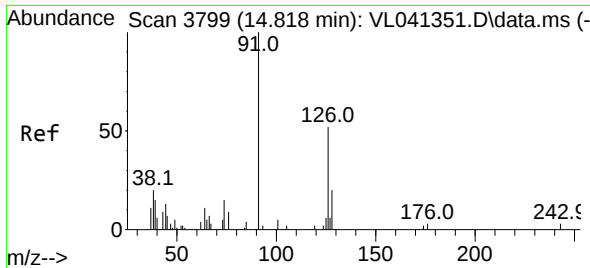


#70  
n-Butylbenzene  
Concen: 13.730 ppbv  
RT: 17.905 min Scan# 4759  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54



Tgt Ion: 91 Resp: 6622429  
Ion Ratio Lower Upper  
91 100  
92 54.5 43.0 64.6  
134 23.1 18.0 27.0





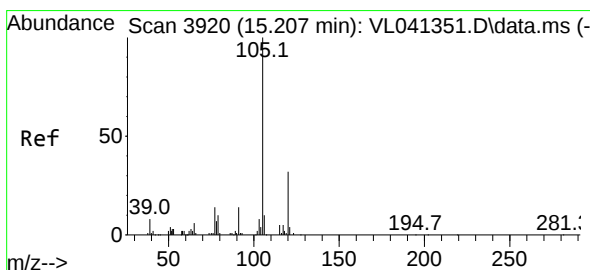
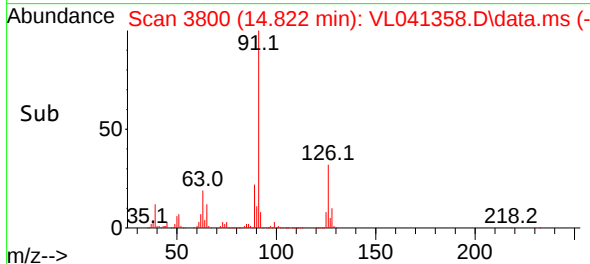
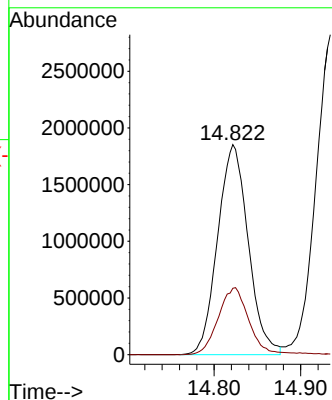
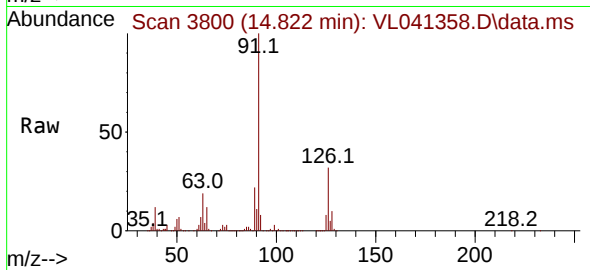
#71  
2-Chlorotoluene  
Concen: 13.225 ppbv  
RT: 14.822 min Scan# 3799  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015

Tgt Ion: 91 Resp: 454660  
Ion Ratio Lower Upper  
91 100  
126 32.6 12.9 51.7

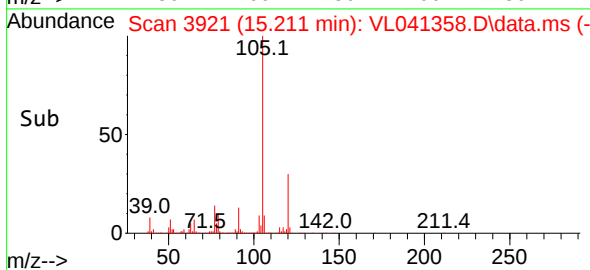
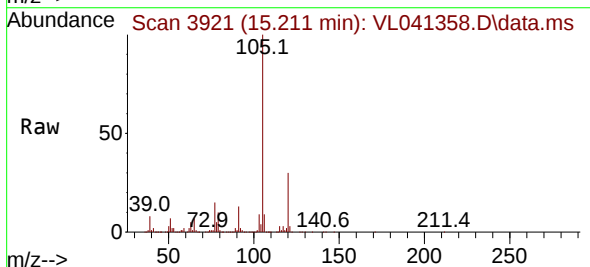
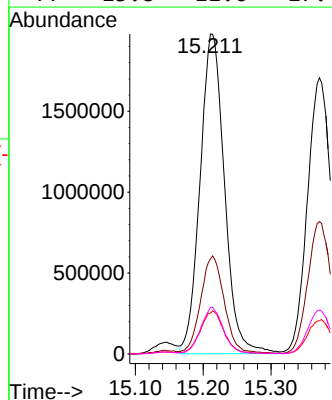
Manual Integrations  
APPROVED

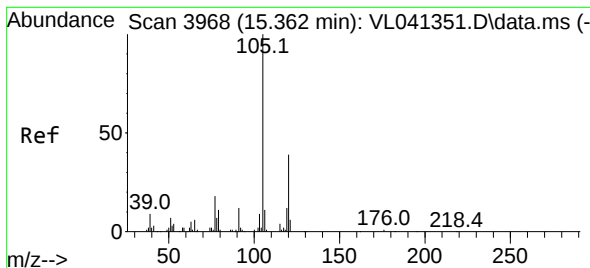
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#72  
4-Ethyltoluene  
Concen: 14.330 ppbv  
RT: 15.211 min Scan# 3921  
Delta R.T. -0.000 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Tgt Ion:105 Resp: 4958199  
Ion Ratio Lower Upper  
105 100  
120 30.1 24.2 36.4  
91 12.8 10.2 15.2  
77 13.8 11.6 17.4





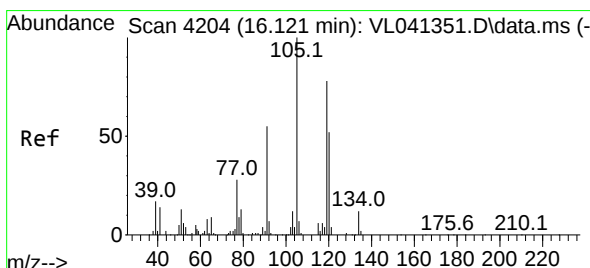
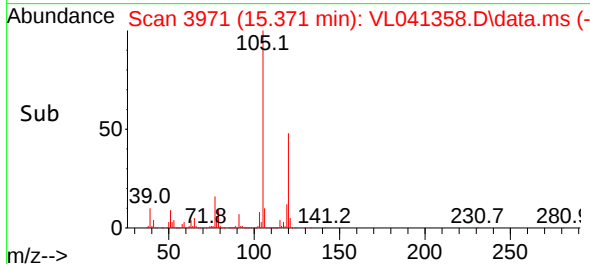
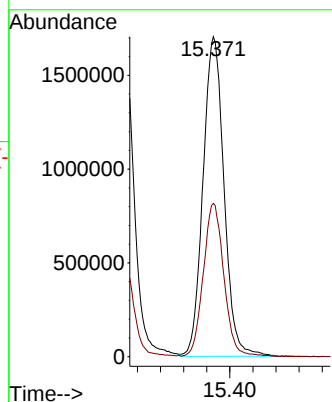
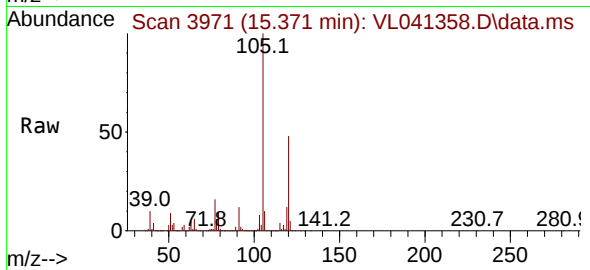
#73  
1,3,5-Trimethylbenzene  
Concen: 14.330 ppbv  
RT: 15.371 min Scan# 3968  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015

Tgt Ion:105 Resp: 430353  
Ion Ratio Lower Upper  
105 100  
120 47.9 37.3 55.9

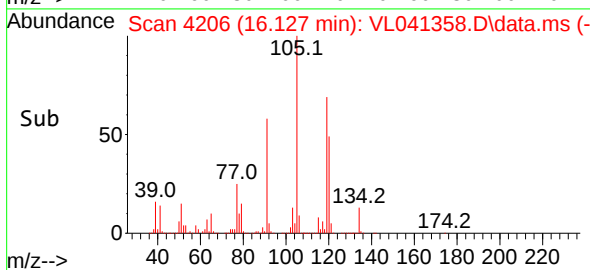
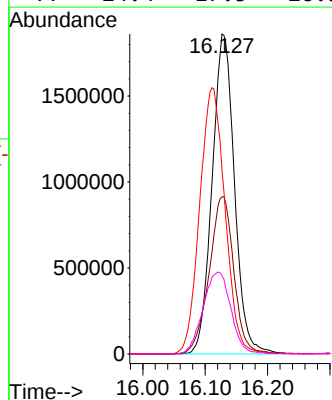
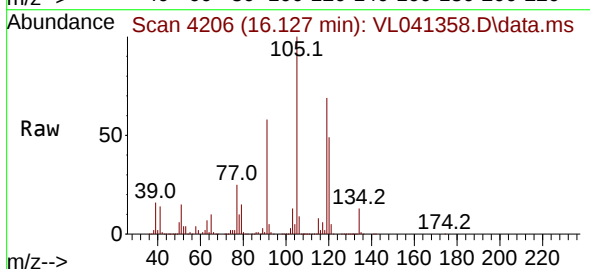
Manual Integrations  
APPROVED

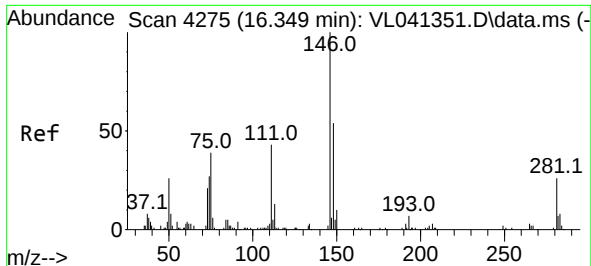
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#74  
1,2,4-Trimethylbenzene  
Concen: 13.638 ppbv  
RT: 16.127 min Scan# 4206  
Delta R.T. -0.000 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Tgt Ion:105 Resp: 4631774  
Ion Ratio Lower Upper  
105 100  
120 48.9 37.8 56.8  
91 57.6 38.0 57.0#  
77 24.4 17.5 26.3





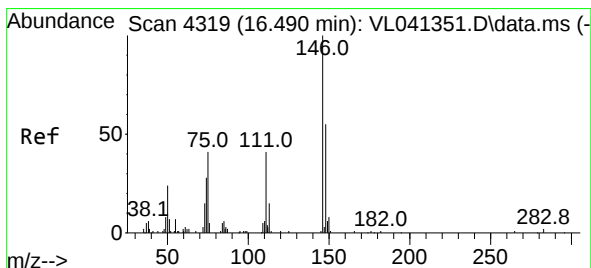
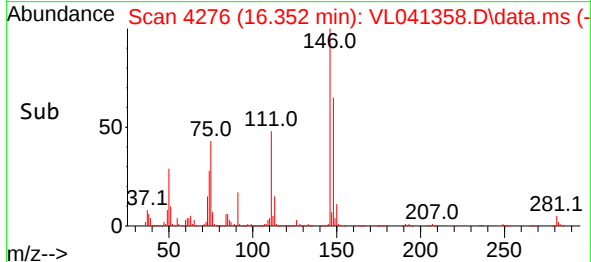
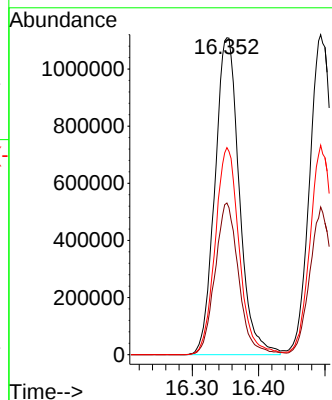
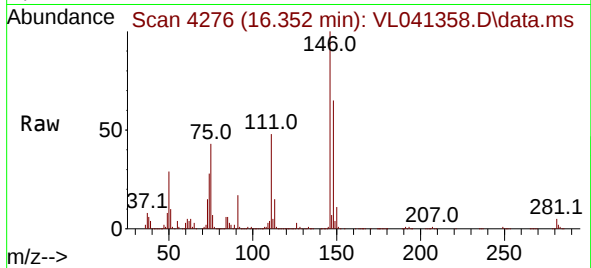
#75  
1,3-Dichlorobenzene  
Concen: 14.216 ppbv  
RT: 16.352 min Scan# 4320  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015

Tgt Ion:146 Resp: 283433  
Ion Ratio Lower Upper  
146 100  
111 46.5 23.5 70.5  
148 64.2 32.3 96.9

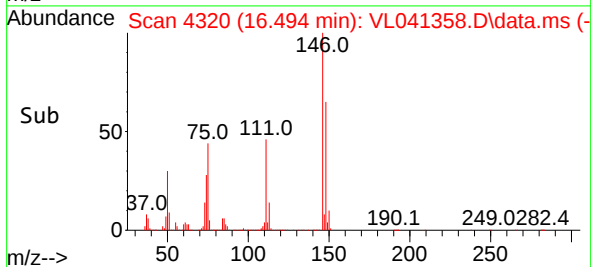
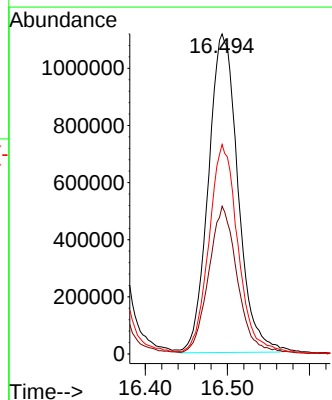
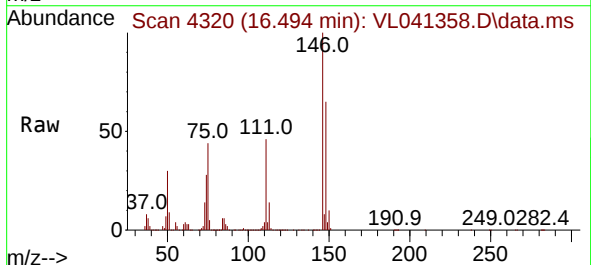
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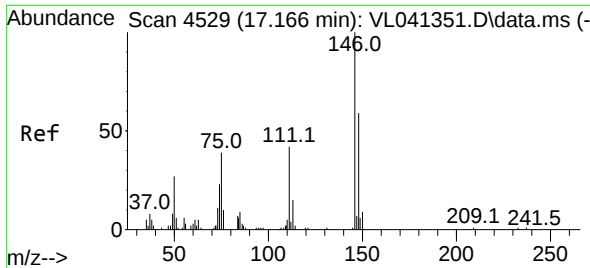
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024



#76  
1,4-Dichlorobenzene  
Concen: 14.033 ppbv  
RT: 16.494 min Scan# 4320  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

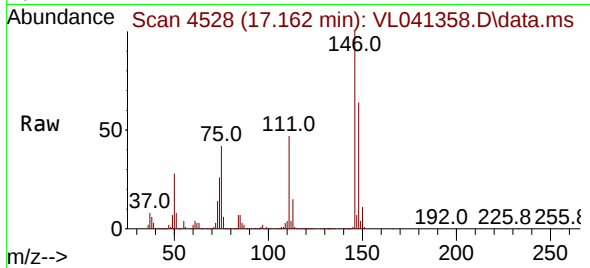
Tgt Ion:146 Resp: 2795725  
Ion Ratio Lower Upper  
146 100  
111 45.5 22.9 68.8  
148 65.4 32.8 98.3





#77  
1,2-Dichlorobenzene  
Concen: 13.851 ppbv  
RT: 17.162 min Scan# 4529  
Delta R.T. 0.003 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54

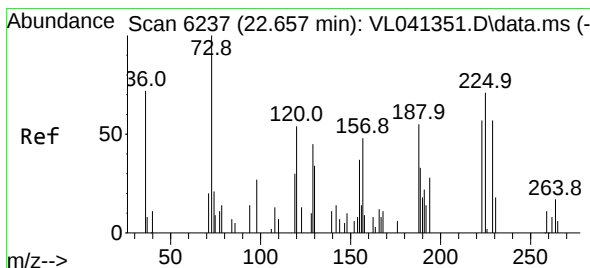
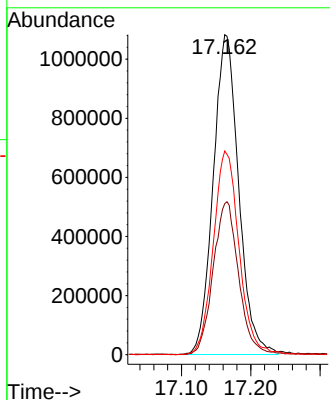
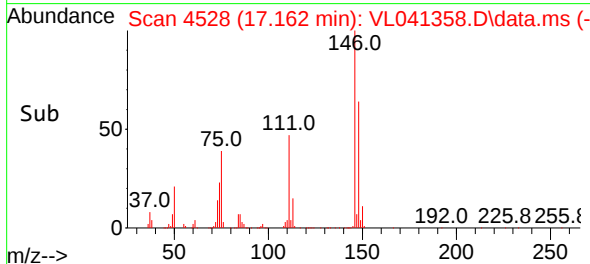
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



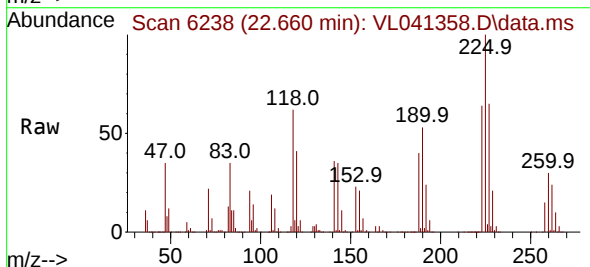
Tgt Ion:146 Resp: 2764428  
Ion Ratio Lower Upper  
146 100  
111 48.0 24.1 72.2  
148 64.4 31.9 95.9

Manual Integrations  
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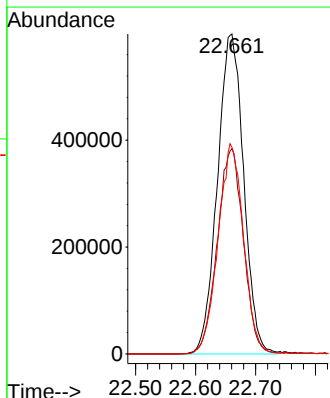
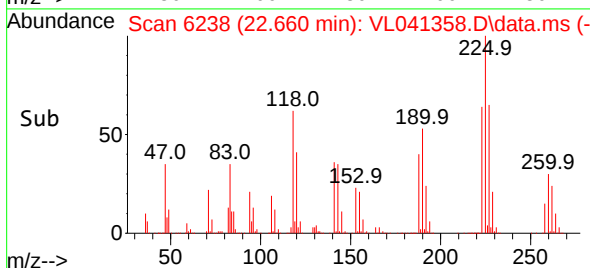
Reviewed By :Semsettin Yesilyurt 06/27/2024  
Supervised By :Mahesh Dadoda 06/27/2024

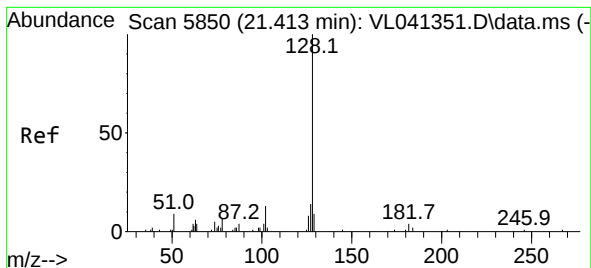


#78  
Hexachloro-1,3-Butadiene  
Concen: 11.105 ppbv  
RT: 22.660 min Scan# 6238  
Delta R.T. -0.000 min  
Lab File: VL041358.D  
Acq: 26 Jun 2024 12:54



Tgt Ion:225 Resp: 1816346  
Ion Ratio Lower Upper  
225 100  
223 64.1 51.3 76.9  
227 64.1 51.8 77.8





#79

Naphthalene

Concen: 11.670 ppbv

RT: 21.416 min Scan# 5850

Delta R.T. 0.003 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC015

Tgt Ion:128 Resp: 343913

Ion Ratio Lower Upper

128 100

127 12.7 10.8 16.2

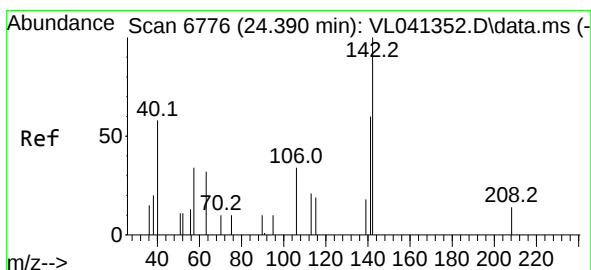
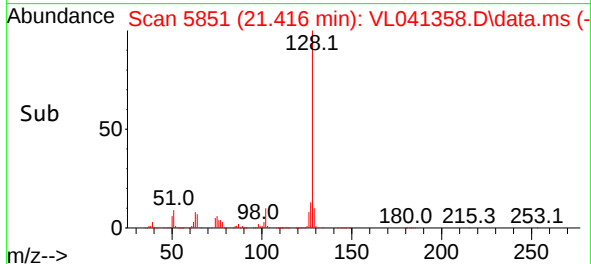
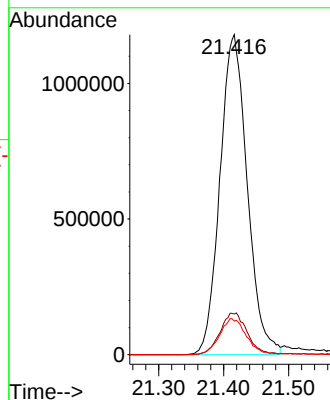
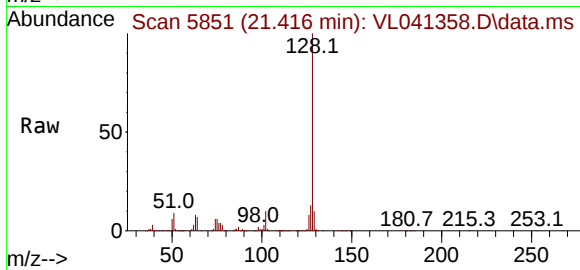
129 10.5 9.0 13.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/27/2024

Supervised By :Mahesh Dadoda 06/27/2024



#80

Naphthalene,2-methyl-

Concen: 0.193 ppbv m

RT: 24.390 min Scan# 6776

Delta R.T. -0.000 min

Lab File: VL041358.D

Acq: 26 Jun 2024 12:54

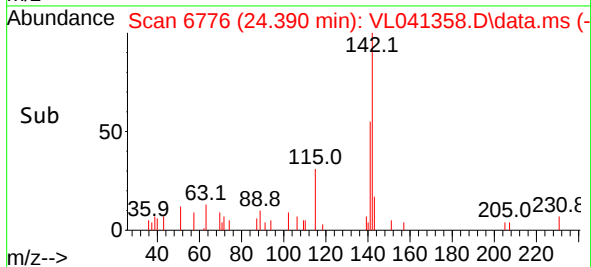
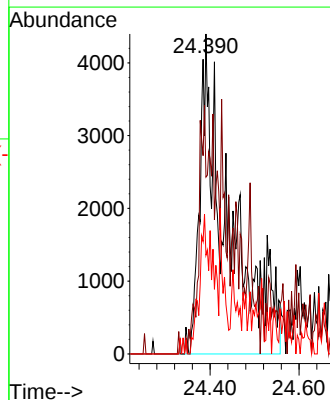
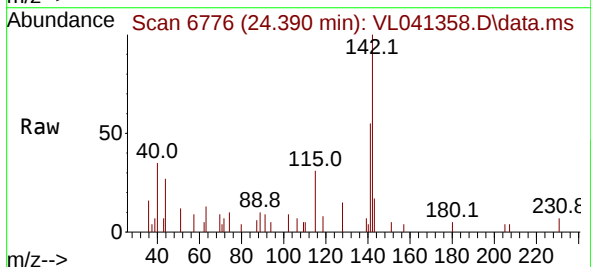
Tgt Ion:142 Resp: 19216

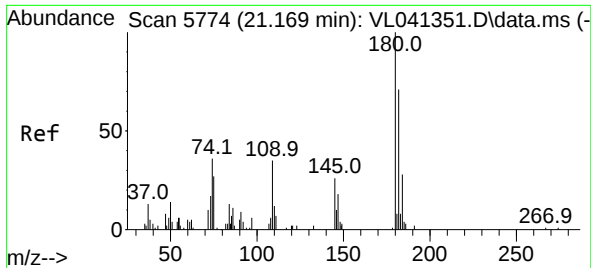
Ion Ratio Lower Upper

142 100

141 0.0 37.9 56.9#

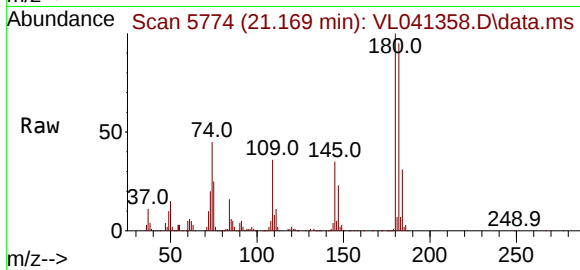
115 20.7 11.0 16.4#





#81  
 1,2,4-Trichlorobenzene  
 Concen: 11.327 ppbv  
 RT: 21.169 min Scan# 51  
 Delta R.T. -0.003 min  
 Lab File: VL041358.D  
 Acq: 26 Jun 2024 12:54

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015



Tgt Ion:180 Resp: 186148  
 Ion Ratio Lower Upper  
 180 100  
 182 95.9 78.1 117.1  
 184 31.4 25.2 37.8

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024  
 Supervised By :Mahesh Dadoda 06/27/2024

