

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL070124\  
 Data File : VL041379.D  
 Acq On : 1 Jul 2024 22:35  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024  
 Supervised By :Semsettin Yesilyurt 07/02/2024

Quant Time: Jul 01 23:35:04 2024

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

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

QLast Update : Mon Jul 01 23:27:24 2024

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.214  | 49   | 1004858  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.664  | 114  | 2692688  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.462 | 117  | 2590524m | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 1865102 9.606 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.100%

Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.780 | 85  | 1539936 | 8.981  | ppbv   | 97     |
| 3) Chlorodifluoromethane      | 2.726 | 51  | 1538140 | 8.877  | ppbv   | 99     |
| 4) Chloromethane              | 2.864 | 50  | 594914  | 8.984  | ppbv   | 98     |
| 5) Vinyl Chloride             | 2.967 | 62  | 629186  | 8.793  | ppbv   | 100    |
| 6) Bromomethane               | 3.163 | 94  | 153470  | 6.780  | ppbv   | 98     |
| 7) Chloroethane               | 3.240 | 64  | 221538  | 9.371  | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane  | 2.906 | 85  | 1551856 | 9.311  | ppbv   | 99     |
| 9) Propene                    | 2.745 | 41  | 533678  | 8.901  | ppbv   | 99     |
| 10) Heptane                   | 7.587 | 43  | 1318564 | 9.363  | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.600 | 101 | 1553347 | 9.307  | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 4.095 | 101 | 1061490 | 9.075  | ppbv   | 99     |
| 13) Ethanol                   | 3.285 | 45  | 145733  | 10.957 | ppbv   | 96     |
| 14) Bromoethene               | 3.407 | 108 | 445295  | 9.490  | ppbv   | 97     |
| 15) Acetone                   | 3.510 | 43  | 1111693 | 8.377  | ppbv   | 97     |
| 16) 1,3-Butadiene             | 3.031 | 39  | 610089  | 9.659  | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 3.915 | 59  | 1095693 | 10.702 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 3.915 | 96  | 473351  | 9.205  | ppbv   | 99     |
| 19) Isopropyl Alcohol         | 3.616 | 45  | 839960  | 11.529 | ppbv   | 99     |
| 20) Methylene Chloride        | 3.970 | 84  | 391178  | 8.123  | ppbv   | 95     |
| 21) Allyl Chloride            | 4.028 | 41  | 684509  | 8.551  | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 4.472 | 96  | 467230  | 9.148  | ppbv   | 99     |
| 23) Vinyl Acetate             | 4.655 | 43  | 1239610 | 9.475  | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 4.591 | 63  | 1043543 | 9.201  | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.227 | 43  | 2210142 | 9.044  | ppbv   | 99     |
| 26) Hexane                    | 5.234 | 57  | 975819  | 9.018  | ppbv   | 98     |
| 27) Carbon Disulfide          | 4.156 | 76  | 1236801 | 9.394  | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 4.613 | 73  | 731628  | 9.116  | ppbv   | 98     |
| 29) Chloroform                | 5.298 | 83  | 1527803 | 9.151  | ppbv   | 100    |
| 30) Cyclohexane               | 6.613 | 84  | 810337  | 9.400  | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 5.102 | 61  | 959563  | 9.250  | ppbv   | 100    |
| 32) 1,1,1-Trichloroethane     | 6.018 | 97  | 1506617 | 8.598  | ppbv   | 99     |
| 34) 2-Butanone                | 4.812 | 43  | 1330831 | 9.366  | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 6.507 | 117 | 1564349 | 8.797  | ppbv   | 98     |
| 36) Benzene                   | 6.385 | 78  | 2058963 | 9.239  | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 5.825 | 62  | 1175987 | 9.197  | ppbv   | 100    |
| 38) Trichloroethene           | 7.301 | 130 | 821822  | 8.466  | ppbv   | 98     |
| 39) 1,2-Dichloropropane       | 7.086 | 63  | 791232  | 9.188  | ppbv   | 96     |
| 40) 1,4-Dioxane               | 7.295 | 88  | 325196  | 11.778 | ppbv # | 16     |
| 41) Tetrahydrofuran           | 5.578 | 42  | 825071  | 9.374  | ppbv   | 99     |
| 42) Bromodichloromethane      | 7.259 | 83  | 1678836 | 9.384  | ppbv   | 99     |
| 43) Methyl Methacrylate       | 7.481 | 69  | 831330  | 9.929  | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 7.336 | 57  | 3438881 | 9.080  | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 8.713 | 75  | 379250  | 7.157  | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL070124\  
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 Acq On : 1 Jul 2024 22:35  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024  
 Supervised By :Semsettin Yesilyurt 07/02/2024

Quant Time: Jul 01 23:35:04 2024

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

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

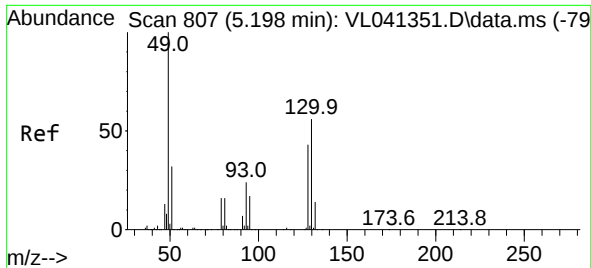
QLast Update : Mon Jul 01 23:27:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.147  | 75   | 547148   | 7.679  | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 8.902  | 97   | 847928   | 9.180  | ppbv   | 98       |
| 48) Dibromochloromethane      | 9.709  | 129  | 1432589  | 9.658  | ppbv   | 99       |
| 49) Bromoform                 | 12.400 | 173  | 1145007  | 9.693  | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 8.188  | 43   | 2102612  | 9.215  | ppbv   | 99       |
| 51) 2-Hexanone                | 9.552  | 43   | 1461591  | 9.011  | ppbv # | 100      |
| 52) Tetrachloroethene         | 10.613 | 164  | 738085   | 8.248  | ppbv   | 97       |
| 53) Toluene                   | 9.221  | 91   | 2387321  | 9.498  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.008 | 107  | 1021670  | 8.938  | ppbv   | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 11.503 | 131  | 1058568  | 9.081  | ppbv   | 99       |
| 57) Chlorobenzene             | 11.520 | 112  | 1822824  | 8.970  | ppbv   | 97       |
| 58) Ethyl Benzene             | 12.082 | 91   | 3243092  | 9.357  | ppbv   | 100      |
| 59) m/p-Xylene                | 12.365 | 91   | 5508547m | 18.365 | ppbv   |          |
| 60) o-Xylene                  | 13.053 | 91   | 2608092  | 9.213  | ppbv   | 100      |
| 61) Styrene                   | 12.889 | 104  | 1333785  | 9.702  | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.021 | 105  | 3976294  | 9.098  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.040 | 83   | 1856179  | 8.323  | ppbv   | 99       |
| 64) n-propylbenzene           | 14.905 | 120  | 1027435  | 9.006  | ppbv   | 94       |
| 65) tert-Butylbenzene         | 16.082 | 119  | 3543079  | 9.105  | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.323 | 91   | 160376m  | 6.272  | ppbv   |          |
| 67) sec-Butylbenzene          | 16.625 | 105  | 5019193  | 9.120  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 16.986 | 119  | 4225702  | 9.296  | ppbv   | 100      |
| 70) n-Butylbenzene            | 17.876 | 91   | 4381330  | 9.430  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 14.789 | 91   | 2953569  | 9.097  | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.182 | 105  | 3192041  | 9.467  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.339 | 105  | 2799793  | 9.701  | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 16.098 | 105  | 3077907  | 9.464  | ppbv   | 99       |
| 75) 1,3-Dichlorobenzene       | 16.320 | 146  | 1774399  | 9.198  | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 16.461 | 146  | 1739685  | 9.051  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.133 | 146  | 1766967  | 8.984  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.619 | 225  | 444996   | 3.111  | ppbv   | 100      |
| 79) Naphthalene               | 21.384 | 128  | 419568   | 2.399  | ppbv   | 97       |
| 80) Naphthalene,2-methyl-     | 24.419 | 142  | 34       | 0.074  | ppbv # | 1        |
| 81) 1,2,4-Trichlorobenzene    | 21.140 | 180  | 338040   | 3.127  | ppbv   | 99       |

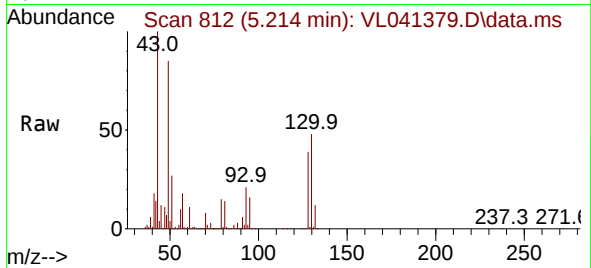
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.214 min Scan# 81  
Delta R.T. -0.004 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

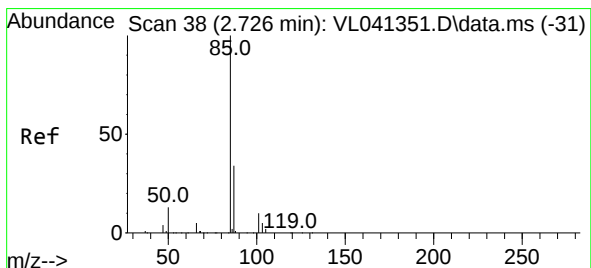
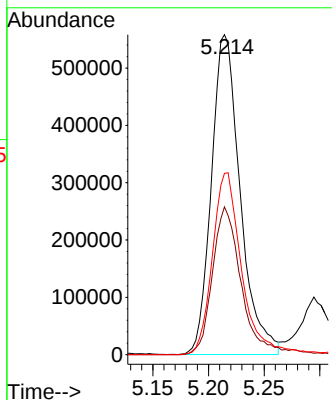
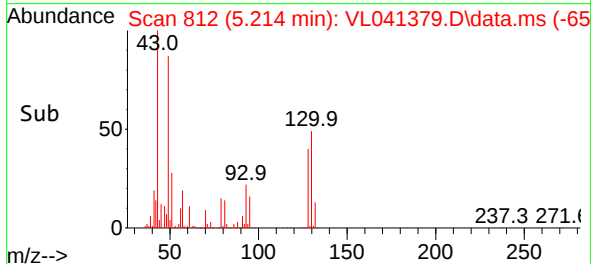
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 49 Resp: 1004858  
Ion Ratio Lower Upper  
49 100  
128 47.2 22.8 68.3  
130 59.0 28.9 86.7

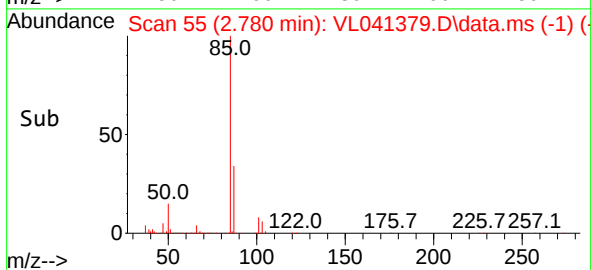
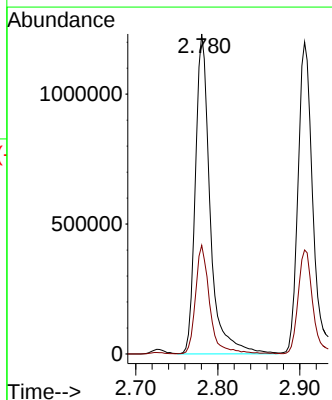
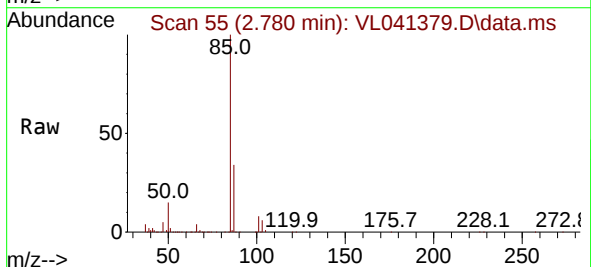
Manual Integrations  
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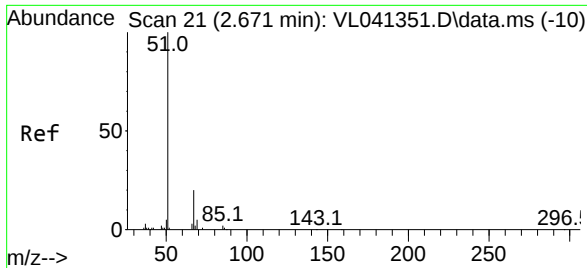
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#2  
Dichlorodifluoromethane  
Concen: 8.981 ppbv  
RT: 2.780 min Scan# 55  
Delta R.T. 0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

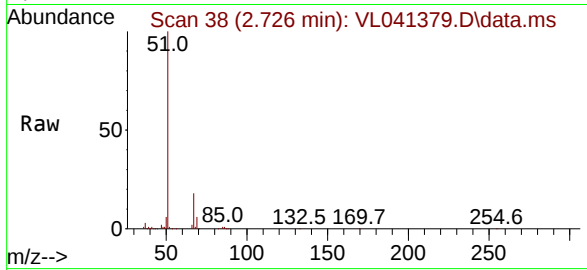
Tgt Ion: 85 Resp: 1539936  
Ion Ratio Lower Upper  
85 100  
87 33.9 25.9 38.9





#3  
Chlorodifluoromethane  
Concen: 8.877 ppbv  
RT: 2.726 min Scan# 30  
Delta R.T. 0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

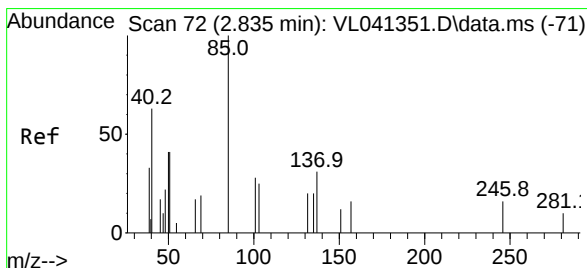
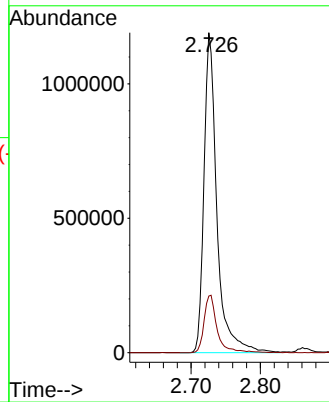
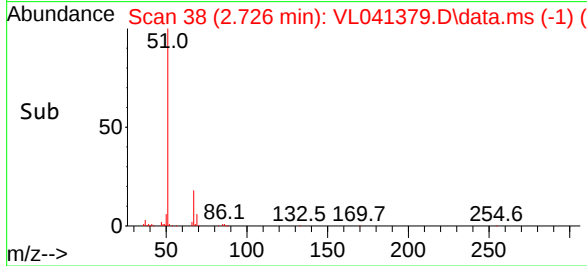
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 51 Resp: 1538140  
Ion Ratio Lower Upper  
51 100  
67 18.3 14.3 21.5

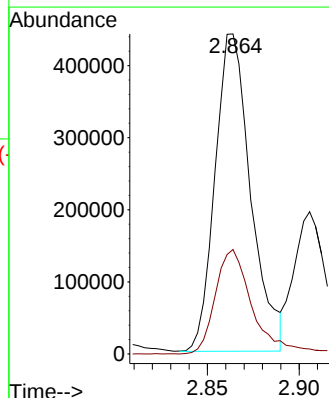
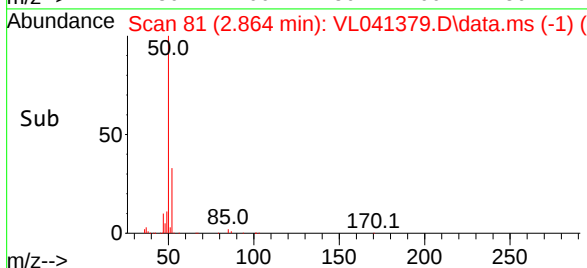
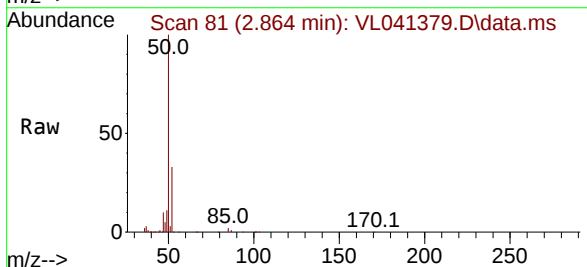
Manual Integrations  
APPROVED

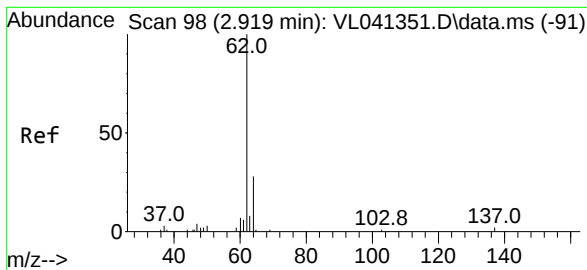
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#4  
Chloromethane  
Concen: 8.984 ppbv  
RT: 2.864 min Scan# 81  
Delta R.T. 0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

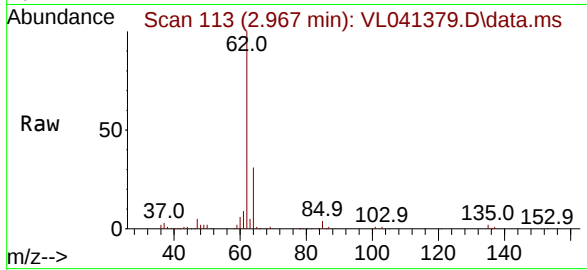
Tgt Ion: 50 Resp: 594914  
Ion Ratio Lower Upper  
50 100  
52 33.0 25.6 38.4





#5  
Vinyl Chloride  
Concen: 8.793 ppbv  
RT: 2.967 min Scan# 113  
Delta R.T. 0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

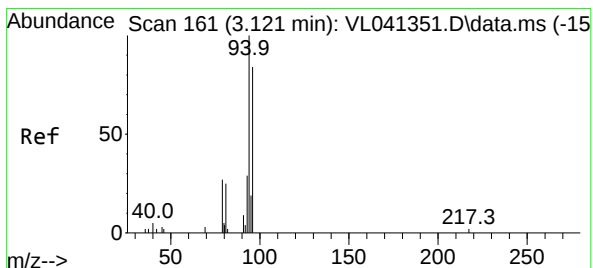
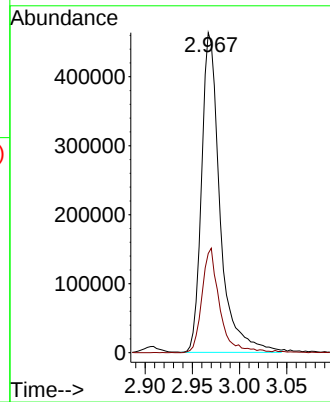
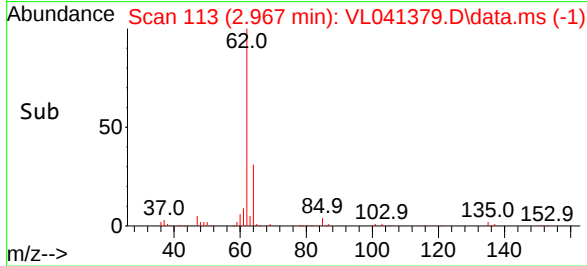
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 62 Resp: 629180  
Ion Ratio Lower Upper  
62 100  
64 31.1 25.0 37.6

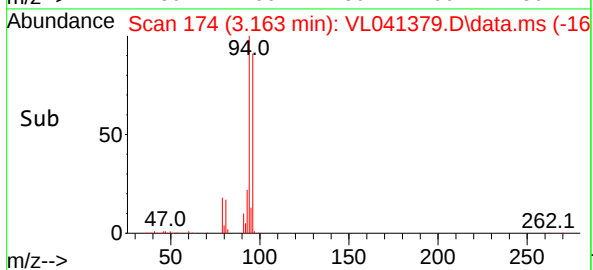
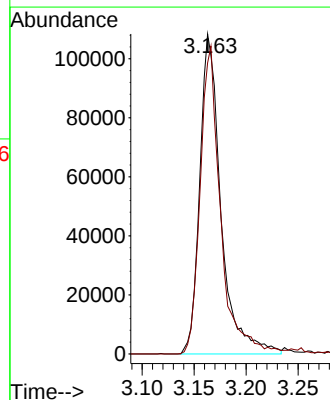
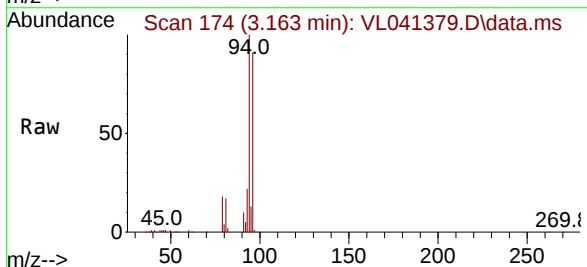
Manual Integrations  
APPROVED

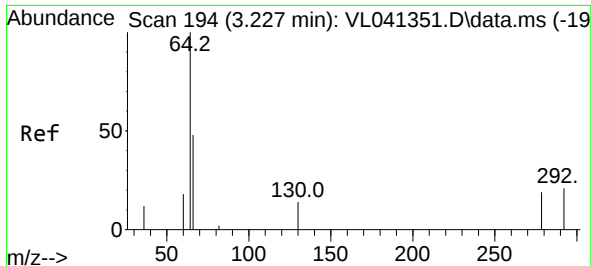
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#6  
Bromomethane  
Concen: 6.780 ppbv  
RT: 3.163 min Scan# 174  
Delta R.T. 0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

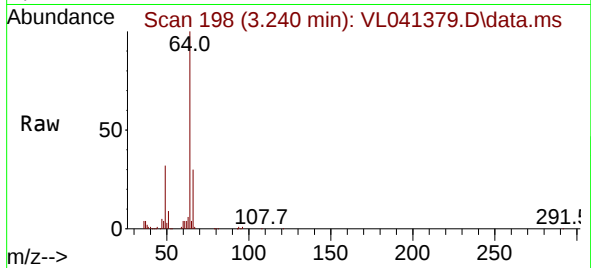
Tgt Ion: 94 Resp: 153470  
Ion Ratio Lower Upper  
94 100  
96 90.8 71.0 106.4





#7  
Chloroethane  
Concen: 9.371 ppbv  
RT: 3.240 min Scan# 194  
Delta R.T. 0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

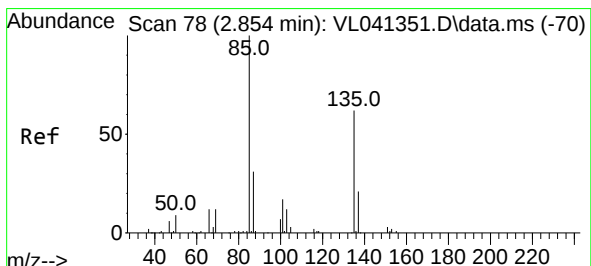
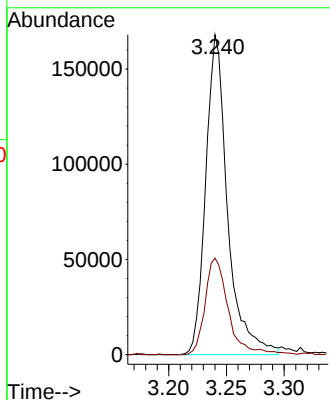
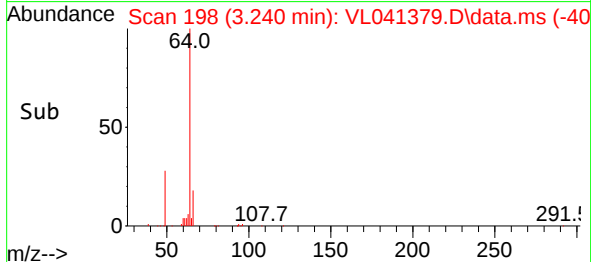
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 64 Resp: 221538  
Ion Ratio Lower Upper  
64 100  
66 30.1 24.6 36.8

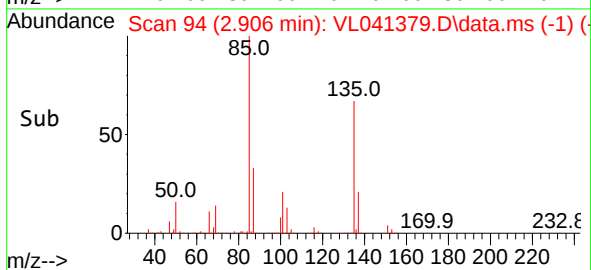
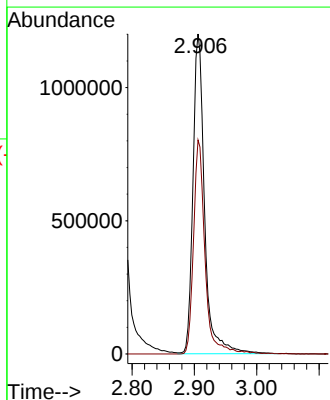
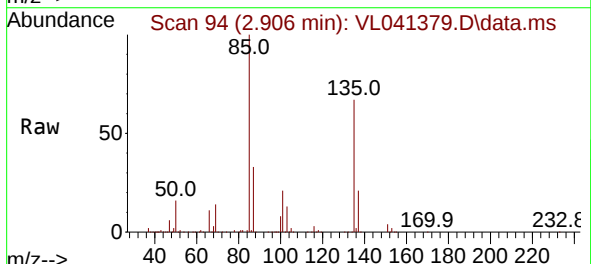
Manual Integrations  
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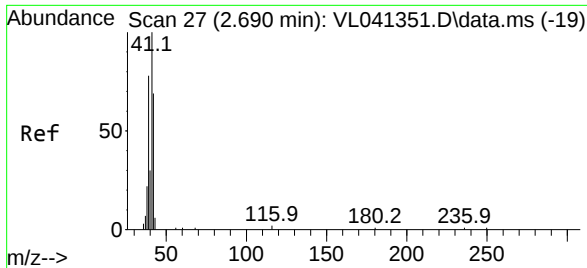
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#8  
Dichlorotetrafluoroethane  
Concen: 9.311 ppbv  
RT: 2.906 min Scan# 94  
Delta R.T. 0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

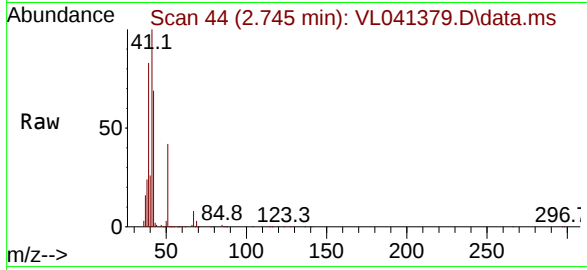
Tgt Ion: 85 Resp: 1551856  
Ion Ratio Lower Upper  
85 100  
135 66.5 53.7 80.5





#9  
Propene  
Concen: 8.901 ppbv  
RT: 2.745 min Scan# 44  
Delta R.T. 0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

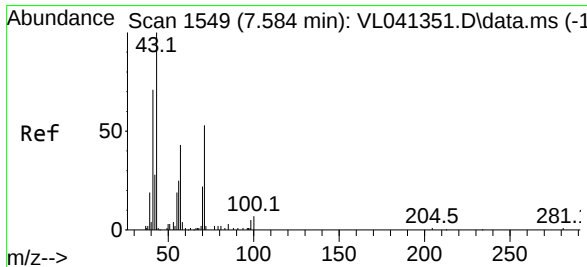
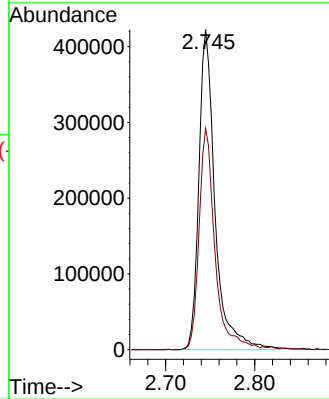
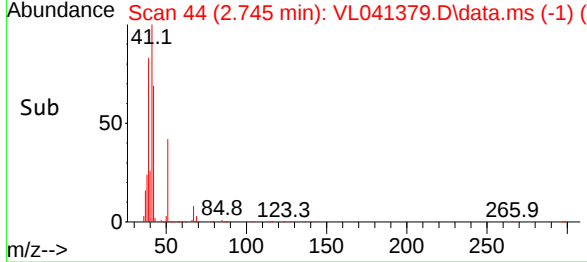
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



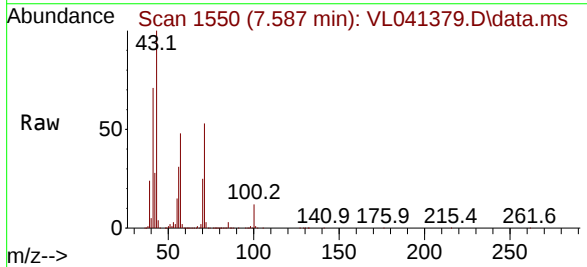
Tgt Ion: 41 Resp: 533678  
Ion Ratio Lower Upper  
41 100  
42 69.1 55.8 83.8

Manual Integrations  
APPROVED

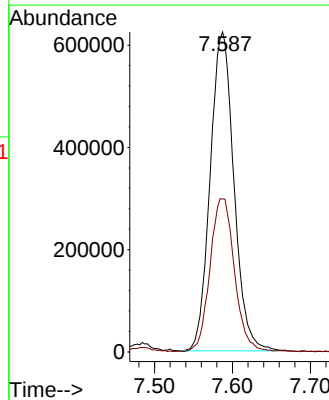
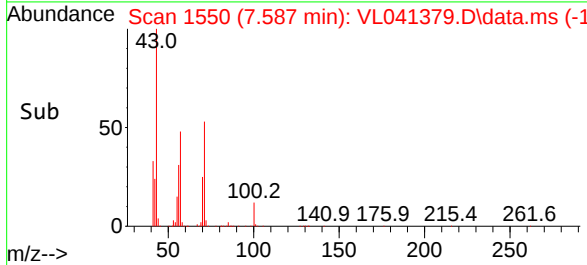
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024

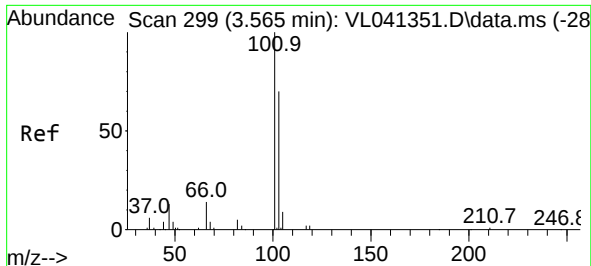


#10  
Heptane  
Concen: 9.363 ppbv  
RT: 7.587 min Scan# 1550  
Delta R.T. -0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35



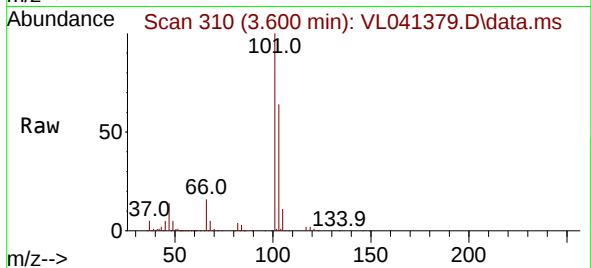
Tgt Ion: 43 Resp: 1318564  
Ion Ratio Lower Upper  
43 100  
57 49.9 40.3 60.5





#11  
Trichlorofluoromethane  
Concen: 9.307 ppbv  
RT: 3.600 min Scan# 310  
Delta R.T. 0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

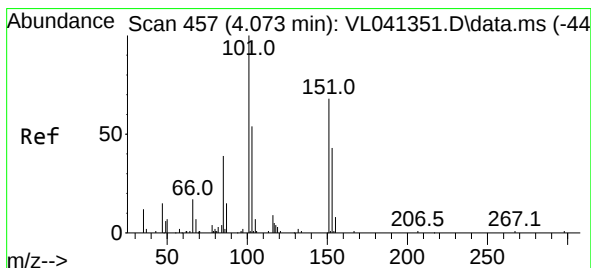
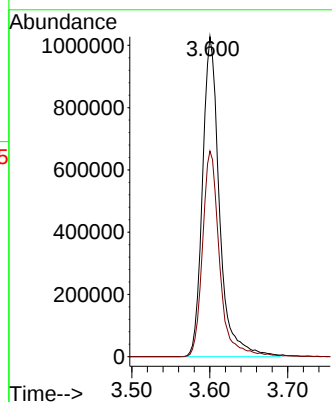
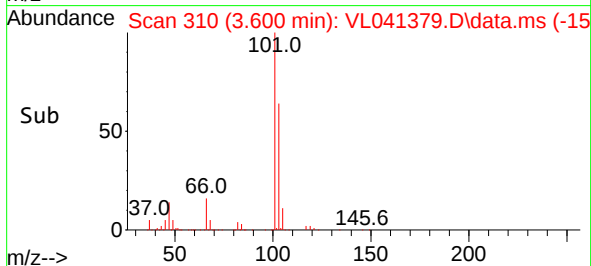
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:101 Resp: 155334  
Ion Ratio Lower Upper  
101 100  
103 64.2 50.5 75.7

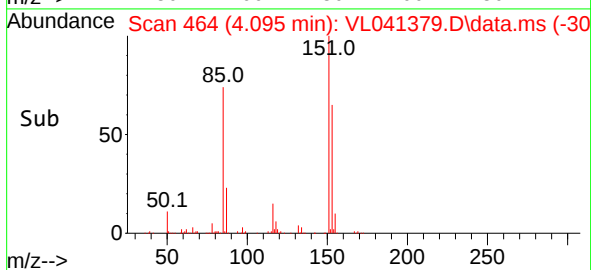
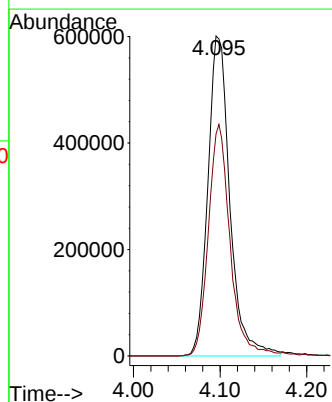
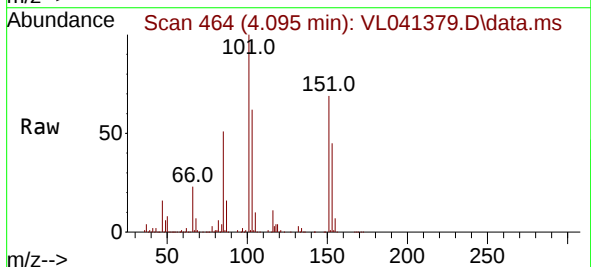
Manual Integrations  
APPROVED

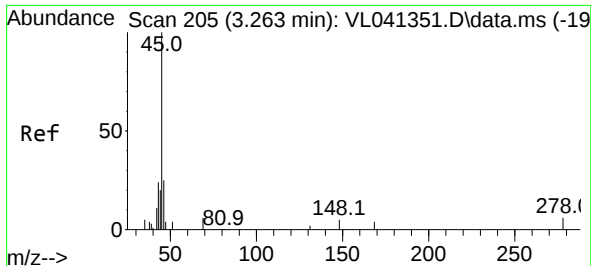
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.075 ppbv  
RT: 4.095 min Scan# 464  
Delta R.T. 0.000 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

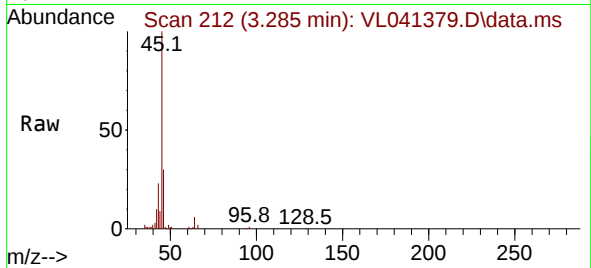
Tgt Ion:101 Resp: 1061490  
Ion Ratio Lower Upper  
101 100  
151 71.9 57.0 85.6





#13  
Ethanol  
Concen: 10.957 ppbv  
RT: 3.285 min Scan# 212  
Delta R.T. 0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

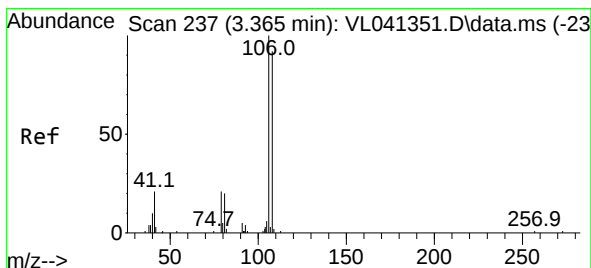
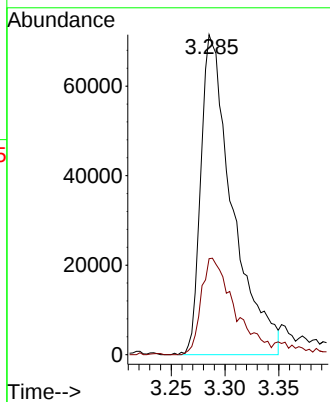
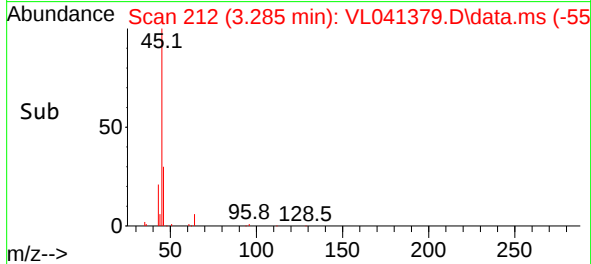
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



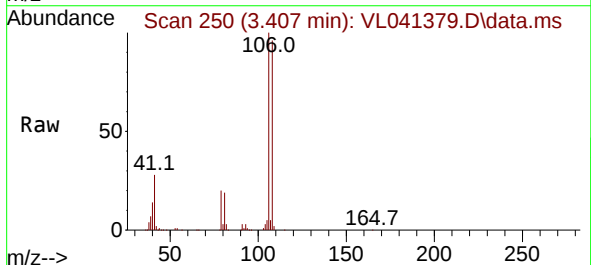
Tgt Ion: 45 Resp: 145733  
Ion Ratio Lower Upper  
45 100  
46 35.3 13.3 53.3

Manual Integrations  
APPROVED

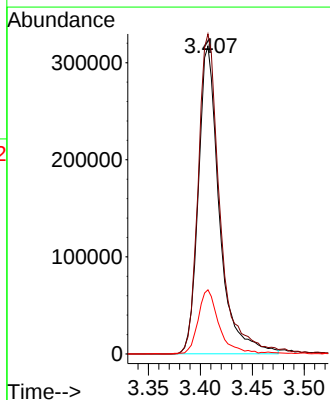
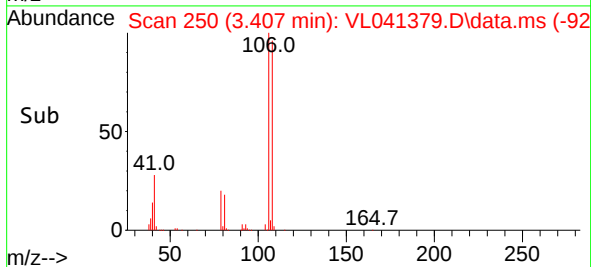
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024

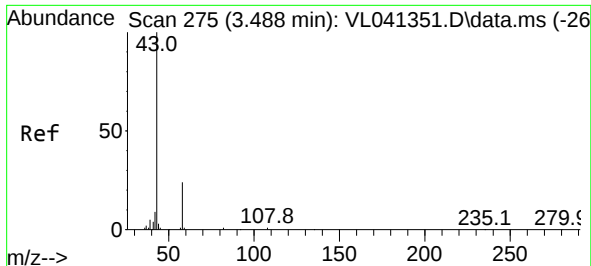


#14  
Bromoethene  
Concen: 9.490 ppbv  
RT: 3.407 min Scan# 250  
Delta R.T. 0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35



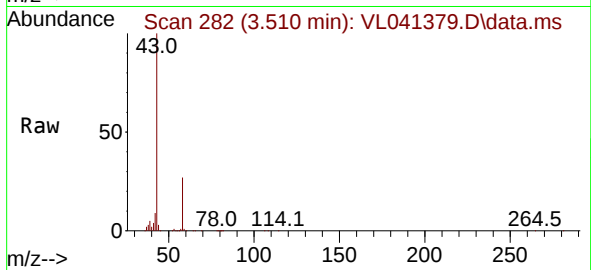
Tgt Ion:108 Resp: 445295  
Ion Ratio Lower Upper  
108 100  
106 109.5 85.5 128.3  
79 21.5 16.3 24.5





#15  
Acetone  
Concen: 8.377 ppbv  
RT: 3.510 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

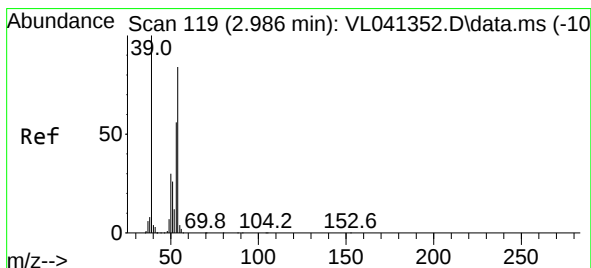
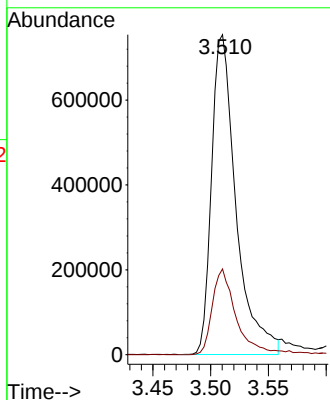
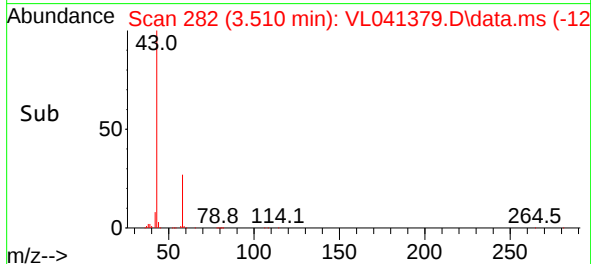
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 43 Resp: 111169  
Ion Ratio Lower Upper  
43 100  
58 27.0 20.3 30.5

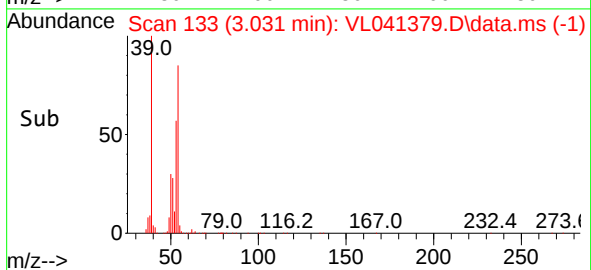
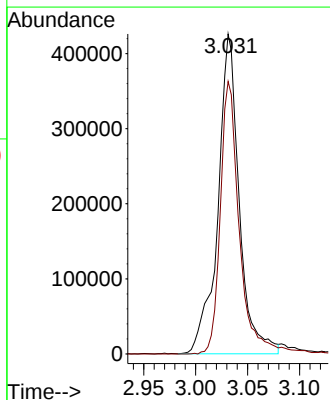
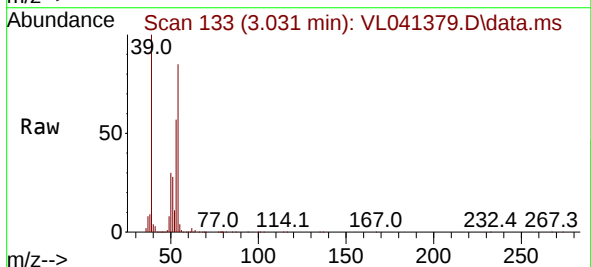
Manual Integrations  
APPROVED

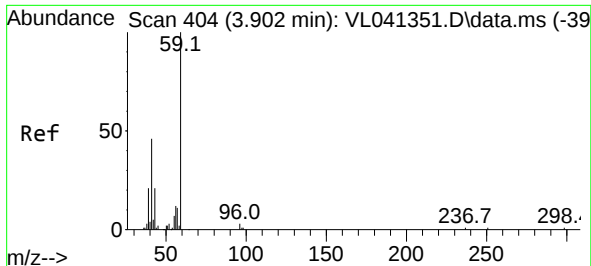
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#16  
1,3-Butadiene  
Concen: 9.659 ppbv  
RT: 3.031 min Scan# 133  
Delta R.T. 0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Tgt Ion: 39 Resp: 610089  
Ion Ratio Lower Upper  
39 100  
54 77.0 60.5 90.7





#17

tert-Butyl alcohol

Concen: 10.702 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.000 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 109569

Ion Ratio Lower Upper

59 100

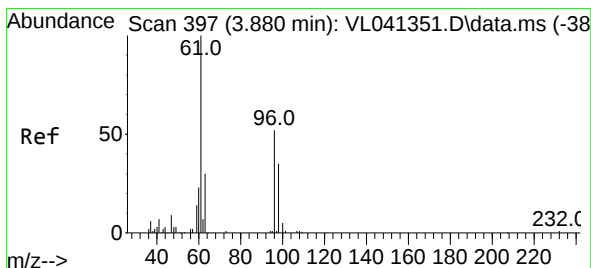
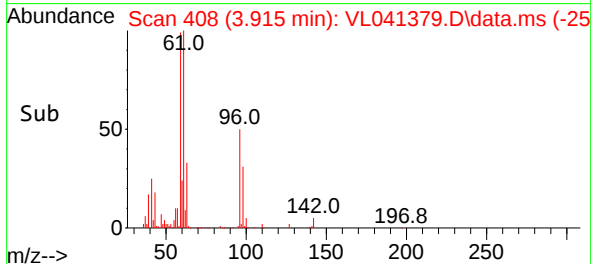
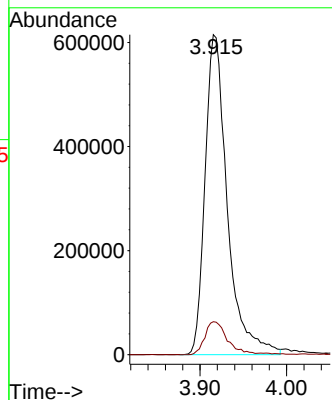
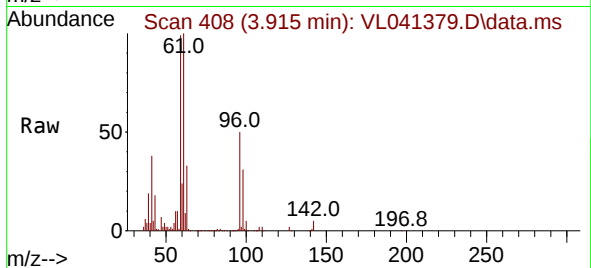
57 10.8 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024

Supervised By :Semsettin Yesilyurt 07/02/2024



#18

1,1-Dichloroethene

Concen: 9.205 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.003 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

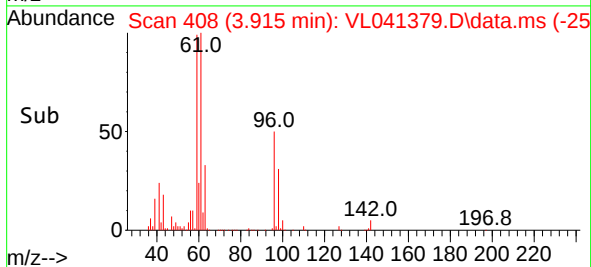
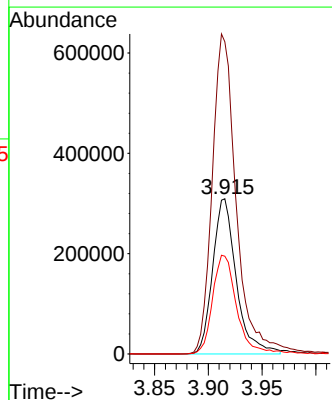
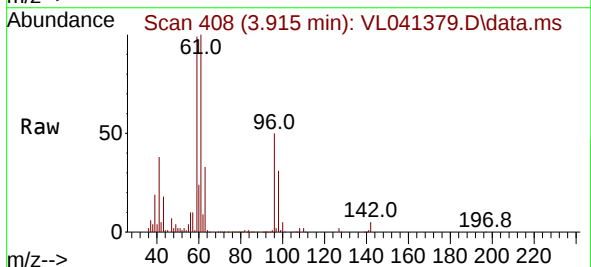
Tgt Ion: 96 Resp: 473351

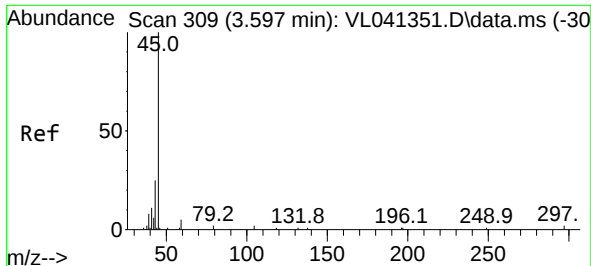
Ion Ratio Lower Upper

96 100

61 201.1 160.3 240.5

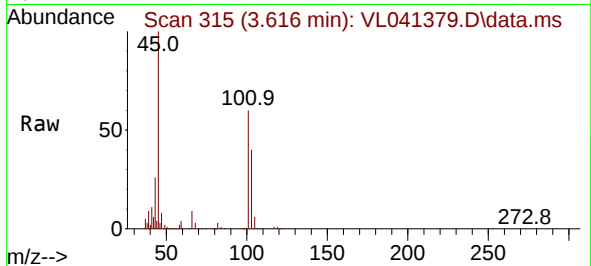
98 63.0 51.6 77.4





#19  
Isopropyl Alcohol  
Concen: 11.529 ppbv  
RT: 3.616 min Scan# 315  
Delta R.T. 0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

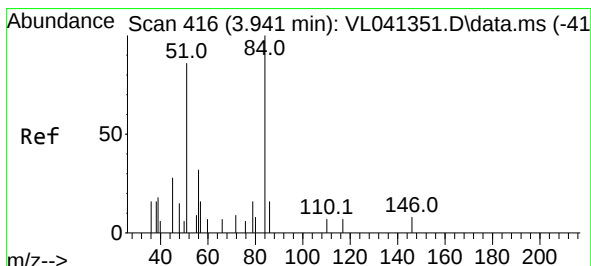
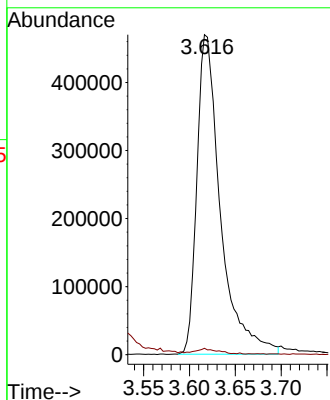
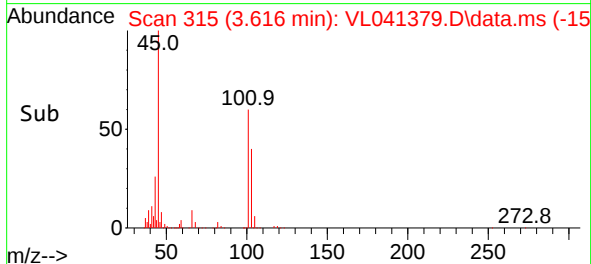
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 45 Resp: 839960  
Ion Ratio Lower Upper  
45 100  
58 1.8 1.6 2.4

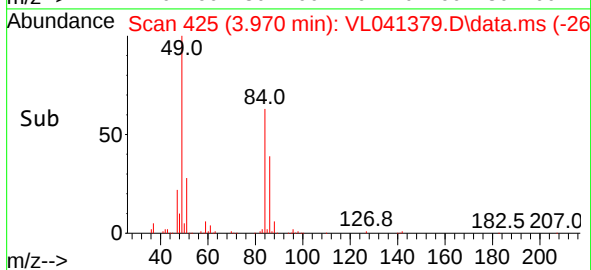
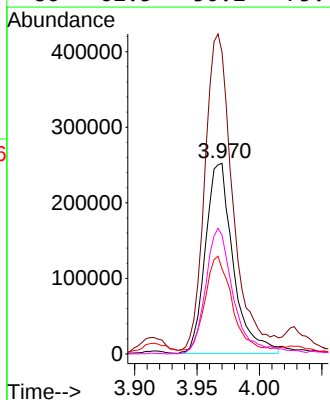
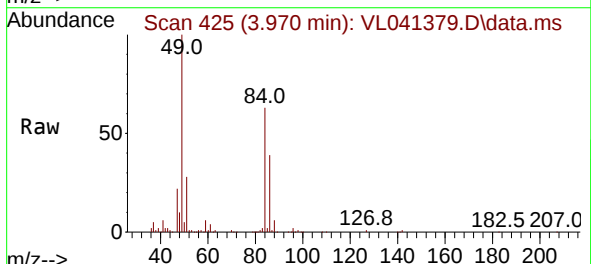
Manual Integrations  
APPROVED

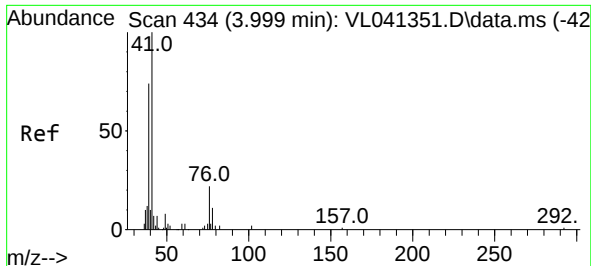
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#20  
Methylene Chloride  
Concen: 8.123 ppbv  
RT: 3.970 min Scan# 425  
Delta R.T. 0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Tgt Ion: 84 Resp: 391178  
Ion Ratio Lower Upper  
84 100  
49 156.9 131.8 197.6  
51 42.8 39.6 59.4  
86 62.5 50.2 75.4





#21

Allyl Chloride

Concen: 8.551 ppbv

RT: 4.028 min Scan# 44

Delta R.T. 0.003 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

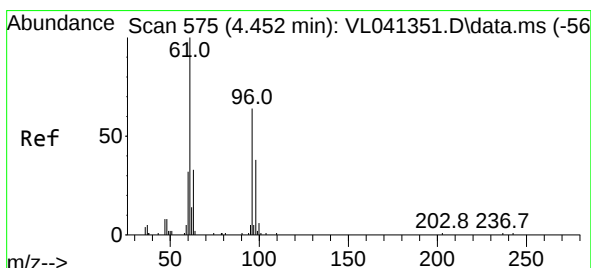
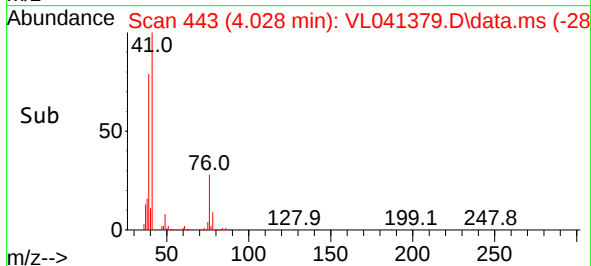
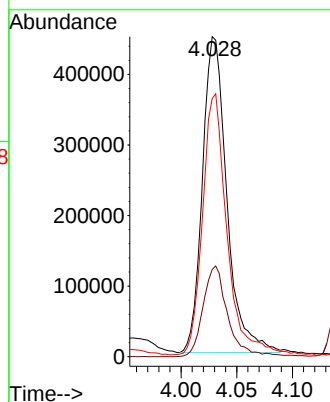
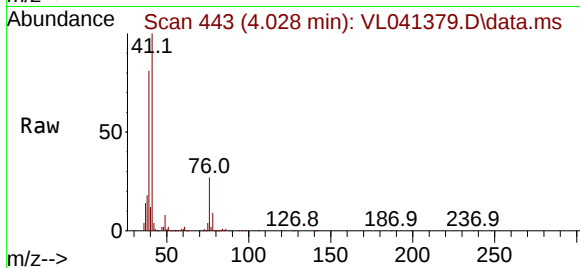
VSTDCCC010EC

Tgt Ion: 41 Resp: 684509  
Ion Ratio Lower Upper  
41 100  
76 29.0 23.3 34.9  
39 83.2 66.0 99.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#22

trans-1,2-Dichloroethene

Concen: 9.148 ppbv

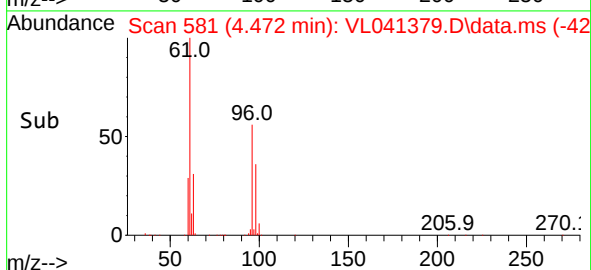
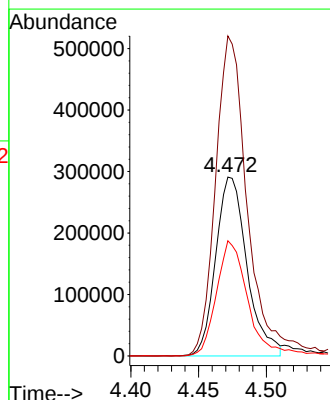
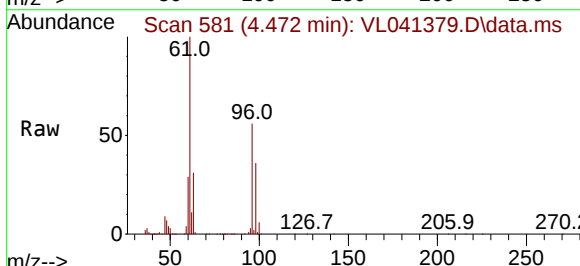
RT: 4.472 min Scan# 581

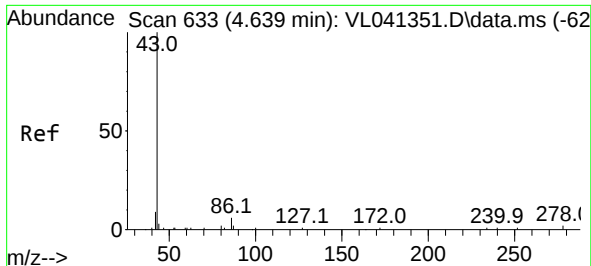
Delta R.T. 0.000 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

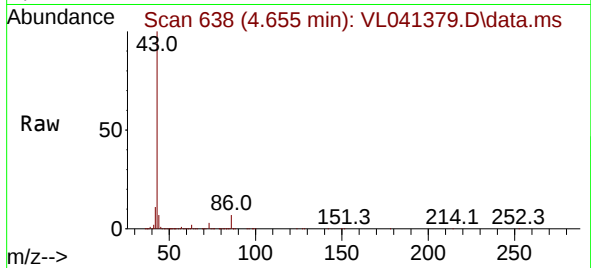
Tgt Ion: 96 Resp: 467230  
Ion Ratio Lower Upper  
96 100  
61 178.7 142.0 213.0  
98 64.4 52.2 78.2





#23  
Vinyl Acetate  
Concen: 9.475 ppbv  
RT: 4.655 min Scan# 618  
Delta R.T. 0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

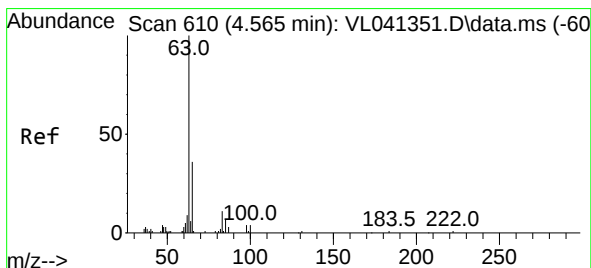
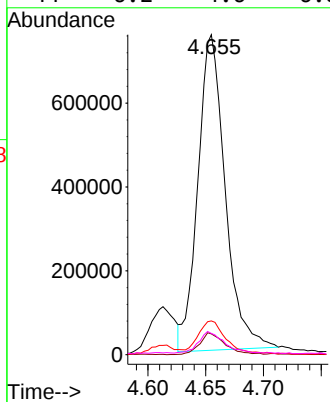
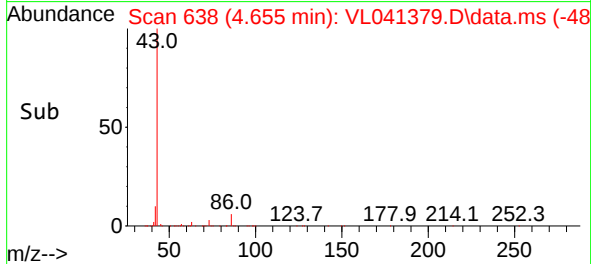
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 43 Resp: 1239610  
Ion Ratio Lower Upper  
43 100  
86 6.5 5.0 7.4  
42 10.6 7.9 11.9  
44 6.2 4.6 6.8

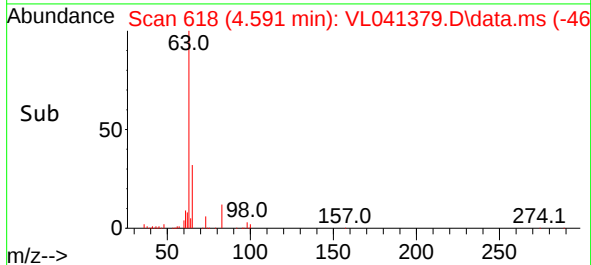
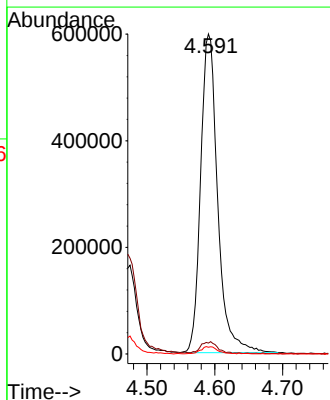
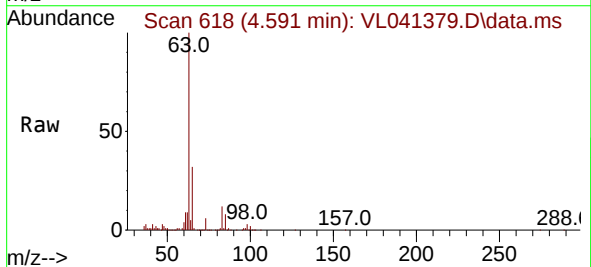
Manual Integrations  
APPROVED

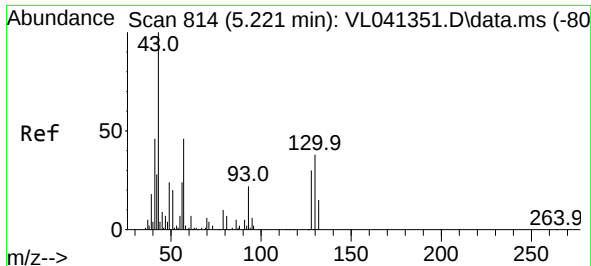
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#24  
1,1-Dichloroethane  
Concen: 9.201 ppbv  
RT: 4.591 min Scan# 618  
Delta R.T. 0.000 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

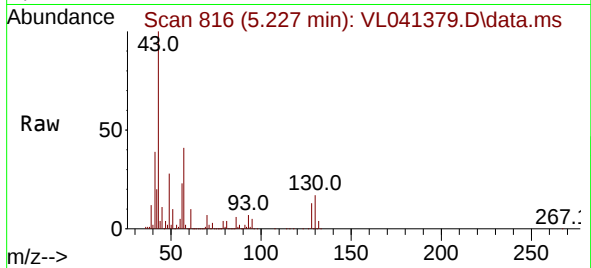
Tgt Ion: 63 Resp: 1043543  
Ion Ratio Lower Upper  
63 100  
98 3.4 1.8 5.4  
100 2.0 1.1 3.3





#25  
Ethyl Acetate  
Concen: 9.044 ppbv  
RT: 5.227 min Scan# 814  
Delta R.T. 0.000 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

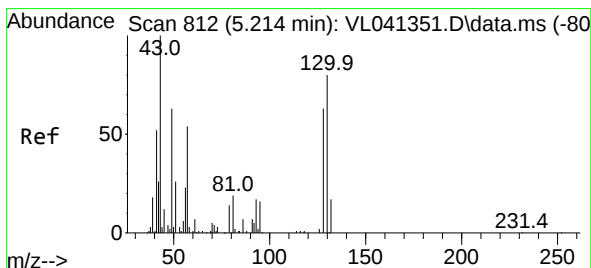
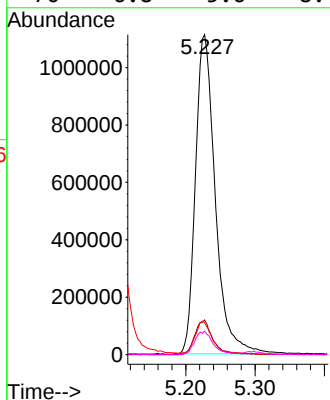
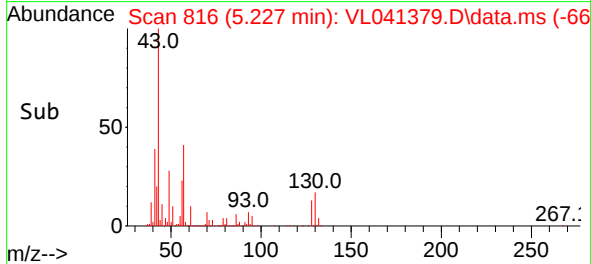
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 43 Resp: 221014  
Ion Ratio Lower Upper  
43 100  
45 10.0 8.3 12.5  
61 9.5 7.7 11.5  
70 6.8 5.6 8.4

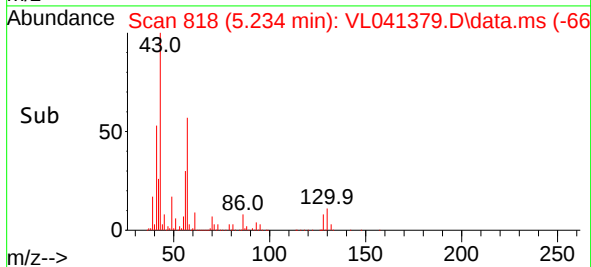
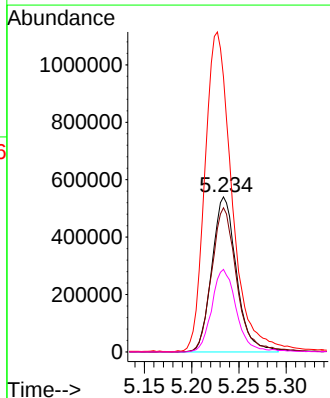
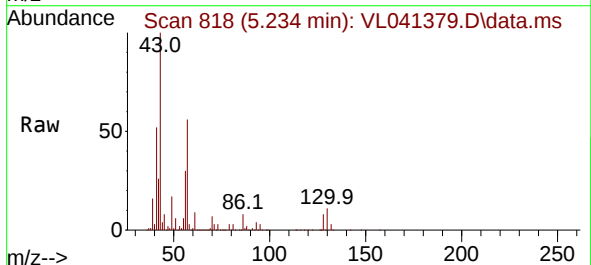
Manual Integrations  
APPROVED

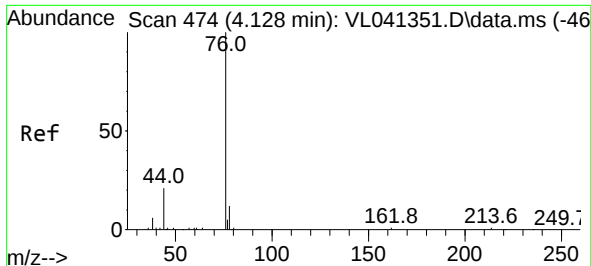
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#26  
Hexane  
Concen: 9.018 ppbv  
RT: 5.234 min Scan# 818  
Delta R.T. 0.000 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

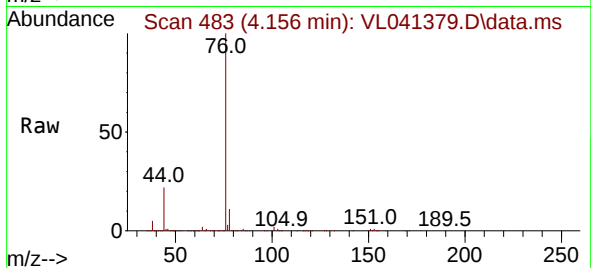
Tgt Ion: 57 Resp: 975819  
Ion Ratio Lower Upper  
57 100  
41 95.8 73.7 110.5  
43 229.7 182.2 273.2  
56 54.0 41.8 62.6





#27  
Carbon Disulfide  
Concen: 9.394 ppbv  
RT: 4.156 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

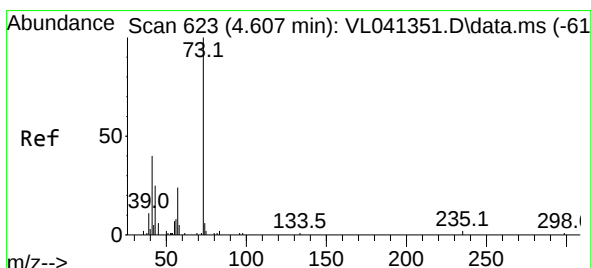
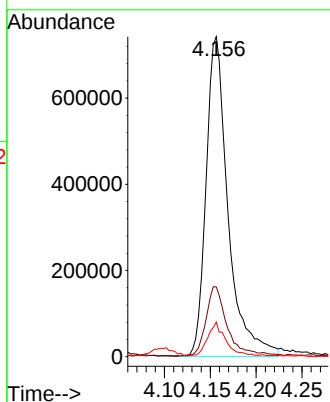
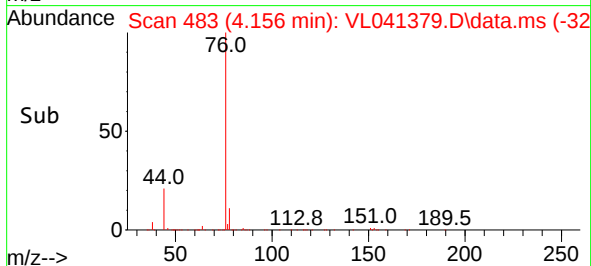
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



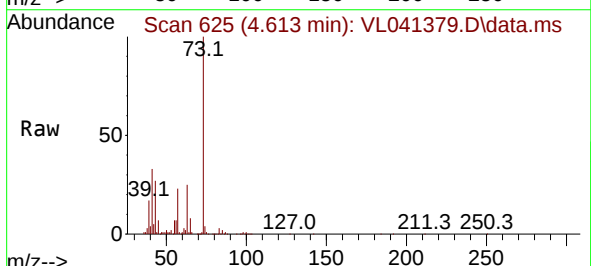
Tgt Ion: 76 Resp: 123680  
Ion Ratio Lower Upper  
76 100  
44 20.8 17.4 26.2  
78 9.7 7.3 10.9

Manual Integrations  
APPROVED

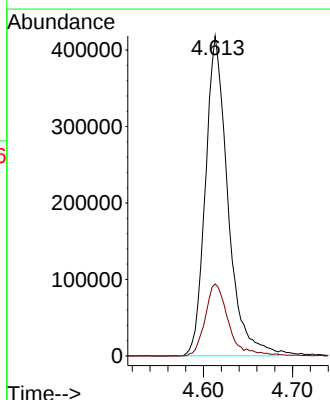
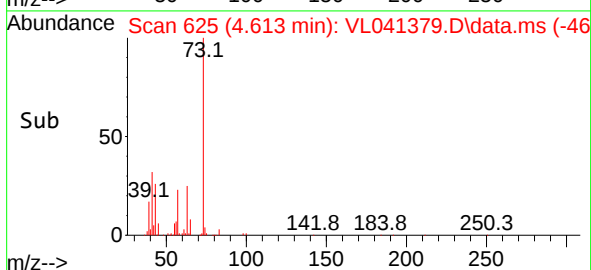
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024

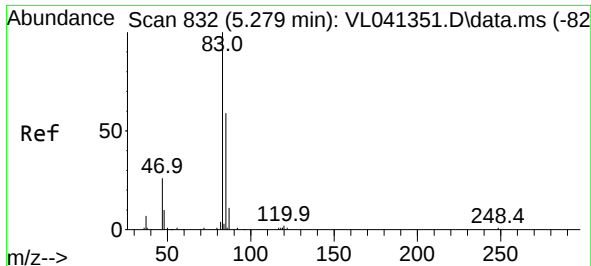


#28  
Methyl tert-Butyl Ether  
Concen: 9.116 ppbv  
RT: 4.613 min Scan# 625  
Delta R.T. 0.000 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35



Tgt Ion: 73 Resp: 731628  
Ion Ratio Lower Upper  
73 100  
57 23.8 19.9 29.9





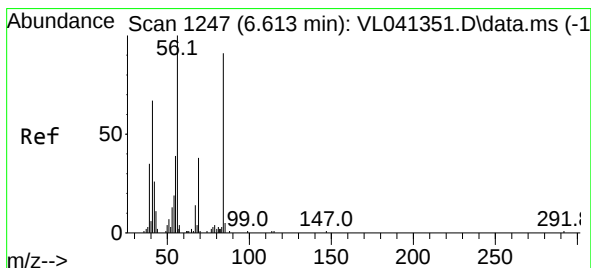
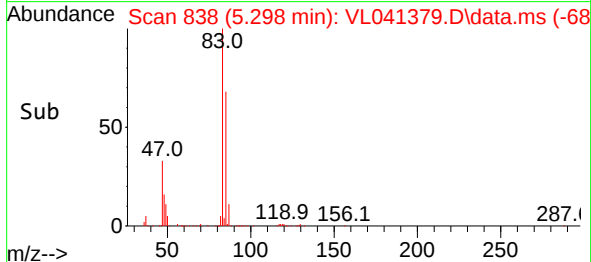
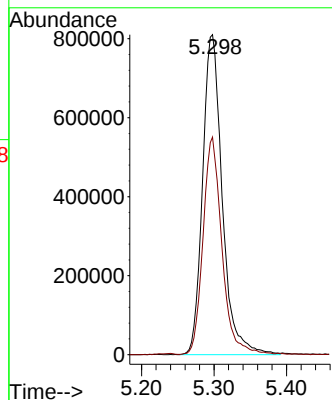
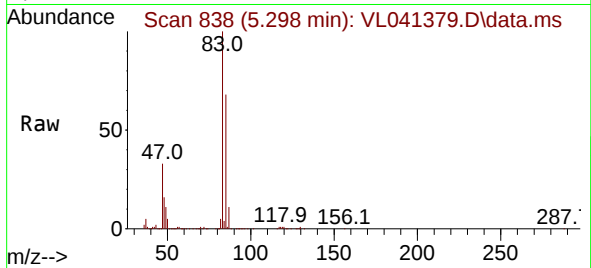
#29  
Chloroform  
Concen: 9.151 ppbv  
RT: 5.298 min Scan# 832  
Delta R.T. 0.000 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 83 Resp: 152780  
Ion Ratio Lower Upper  
83 100  
85 67.9 54.2 81.4

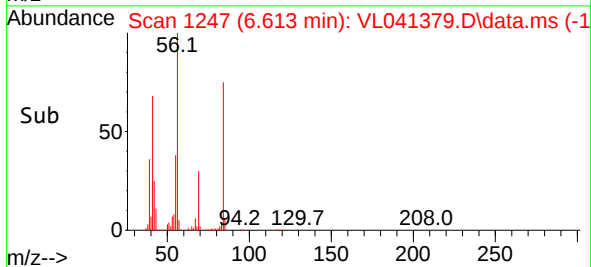
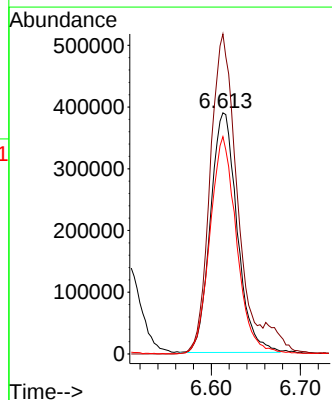
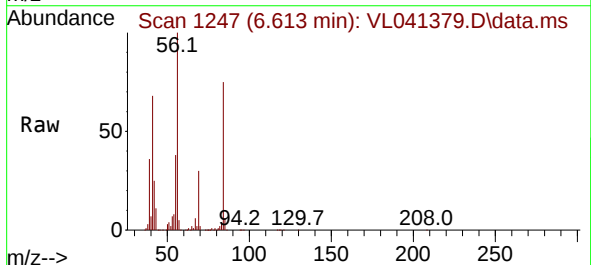
Manual Integrations  
APPROVED

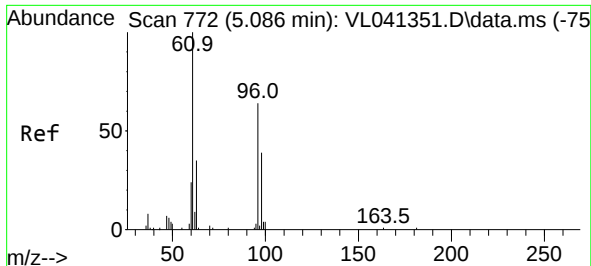
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#30  
Cyclohexane  
Concen: 9.400 ppbv  
RT: 6.613 min Scan# 1247  
Delta R.T. -0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

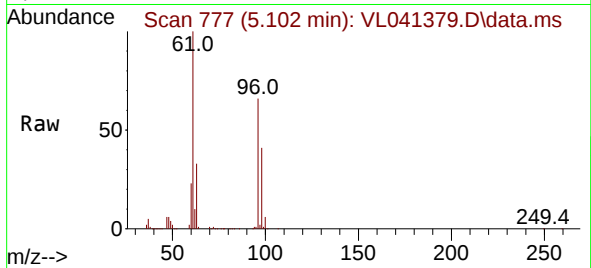
Tgt Ion: 84 Resp: 810337  
Ion Ratio Lower Upper  
84 100  
56 141.4 112.4 168.6  
41 90.3 72.7 109.1





#31  
cis-1,2-Dichloroethene  
Concen: 9.250 ppbv  
RT: 5.102 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

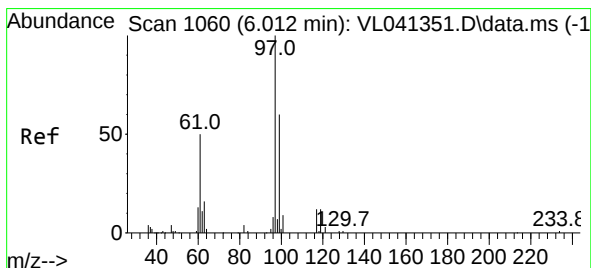
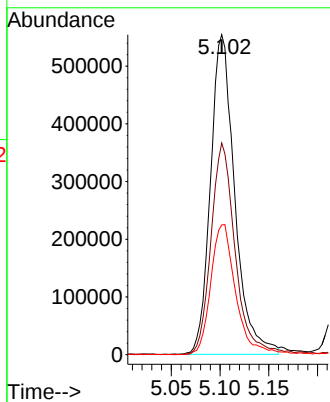
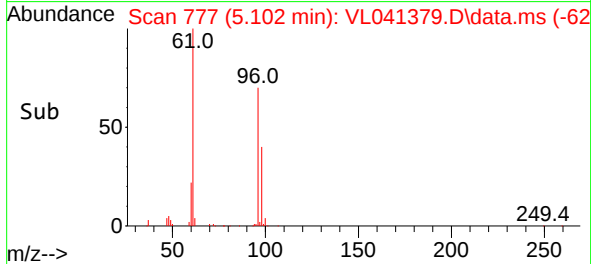
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 61 Resp: 95956  
Ion Ratio Lower Upper  
61 100  
96 66.1 52.6 79.0  
98 40.6 32.3 48.5

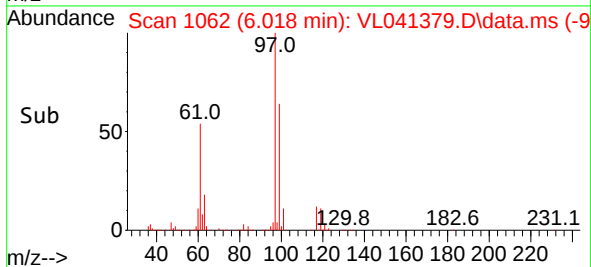
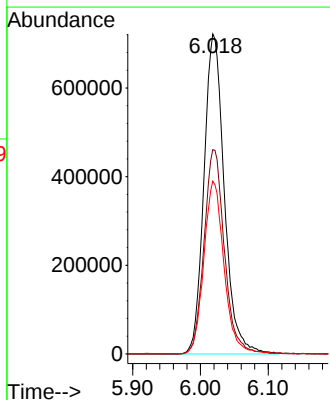
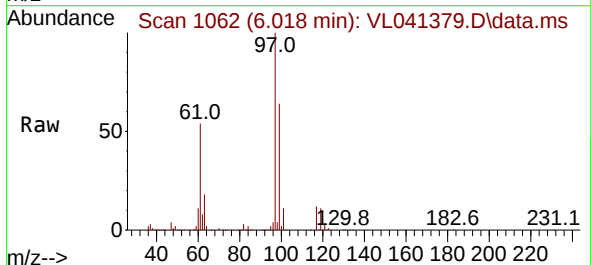
Manual Integrations  
APPROVED

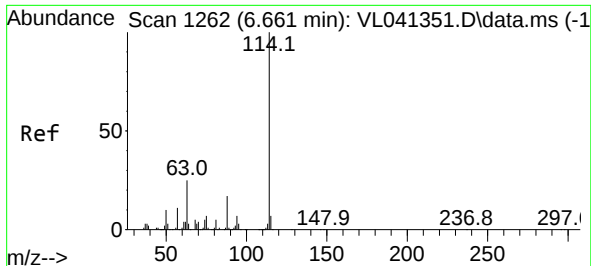
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#32  
1,1,1-Trichloroethane  
Concen: 8.598 ppbv  
RT: 6.018 min Scan# 1062  
Delta R.T. -0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Tgt Ion: 97 Resp: 1506617  
Ion Ratio Lower Upper  
97 100  
99 64.1 52.0 78.0  
61 54.0 43.0 64.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL041379.D

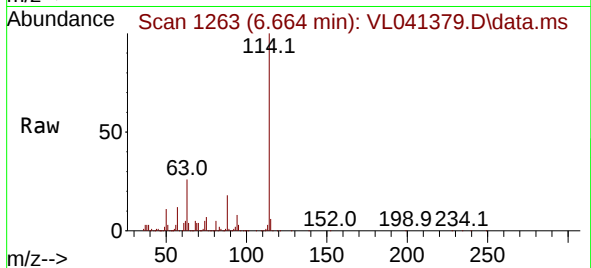
Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:114 Resp: 269268

Ion Ratio Lower Upper

114 100

63 25.4 20.6 31.0

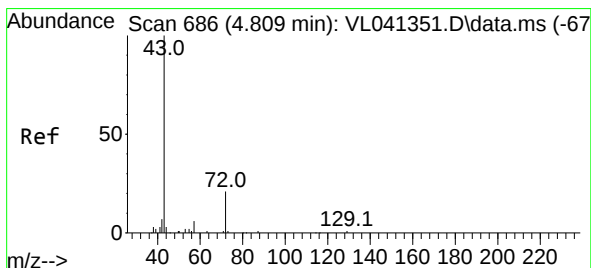
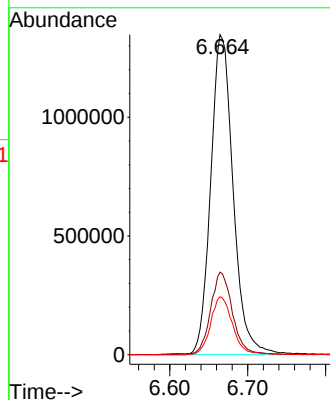
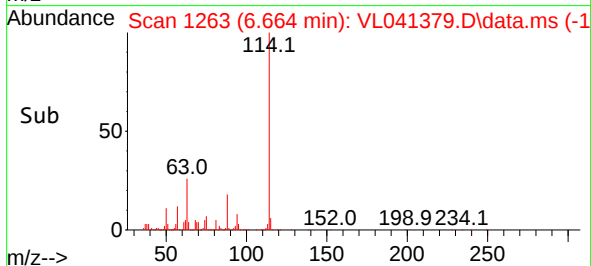
88 17.7 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024

Supervised By :Semsettin Yesilyurt 07/02/2024



#34

2-Butanone

Concen: 9.366 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.000 min

Lab File: VL041379.D

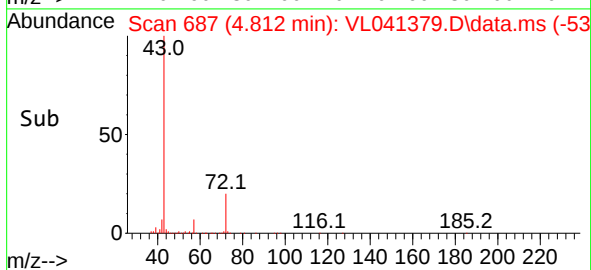
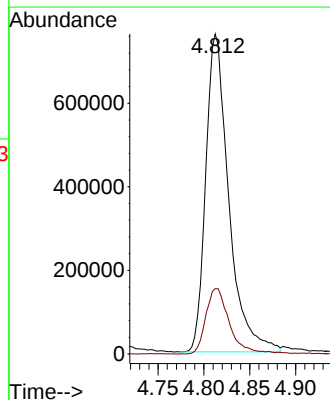
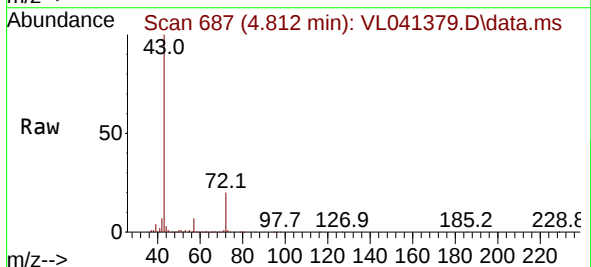
Acq: 1 Jul 2024 22:35

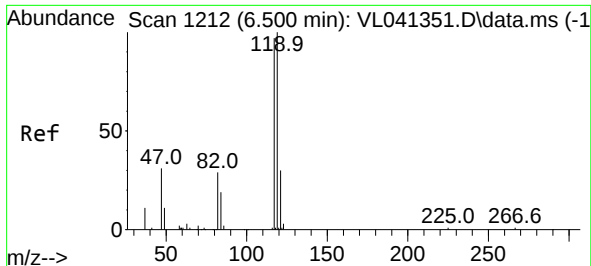
Tgt Ion: 43 Resp: 1330831

Ion Ratio Lower Upper

43 100

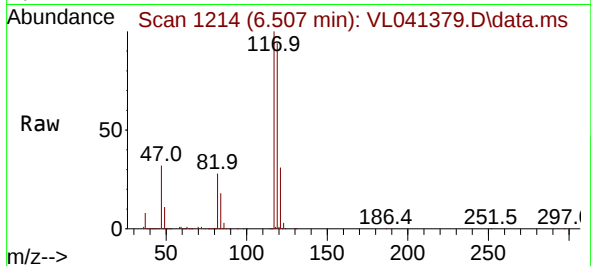
72 21.5 17.2 25.8





#35  
Carbon Tetrachloride  
Concen: 8.797 ppbv  
RT: 6.507 min Scan# 117  
Delta R.T. -0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

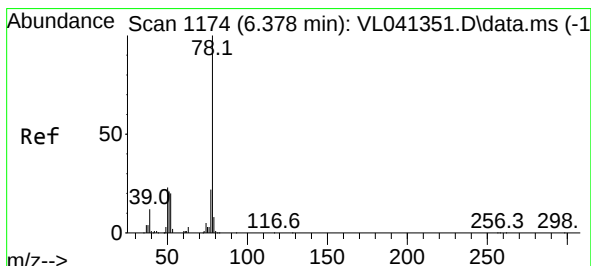
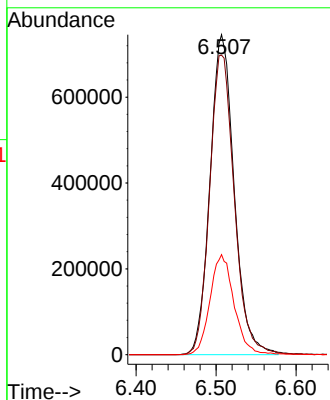
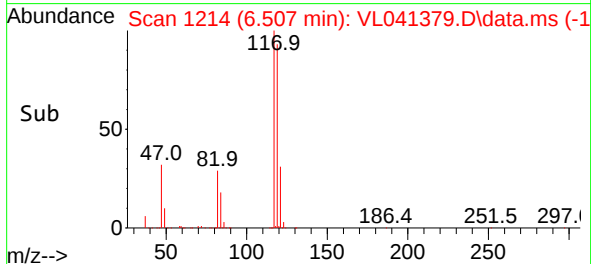
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 117 Resp: 1564349  
Ion Ratio Lower Upper  
117 100  
119 93.5 77.2 115.8  
121 31.2 25.2 37.8

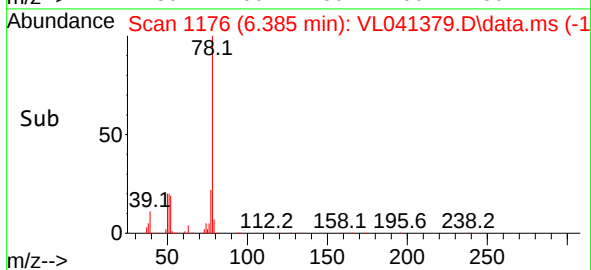
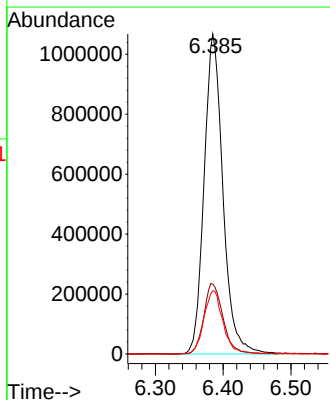
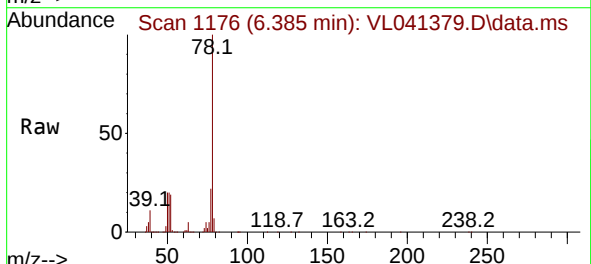
Manual Integrations  
APPROVED

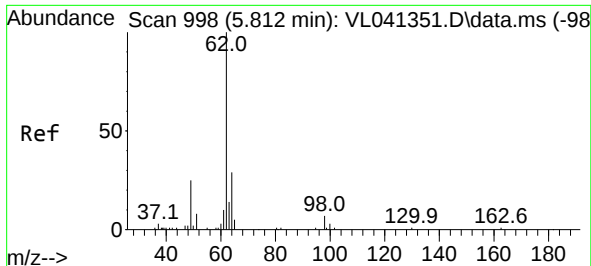
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#36  
Benzene  
Concen: 9.239 ppbv  
RT: 6.385 min Scan# 1176  
Delta R.T. -0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Tgt Ion: 78 Resp: 2058963  
Ion Ratio Lower Upper  
78 100  
77 21.8 17.9 26.9  
50 19.7 15.5 23.3





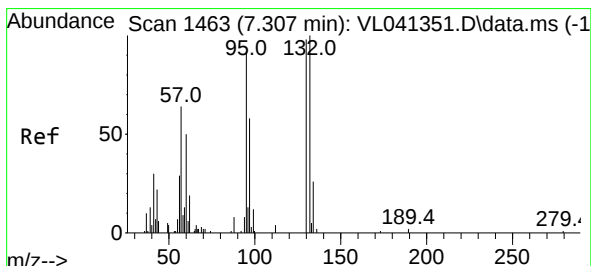
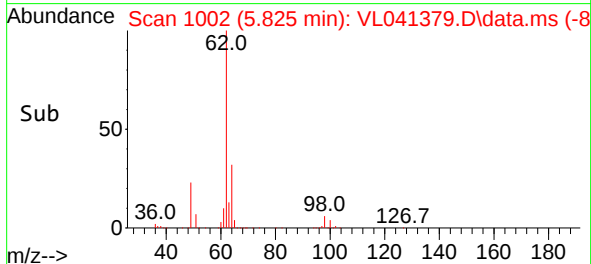
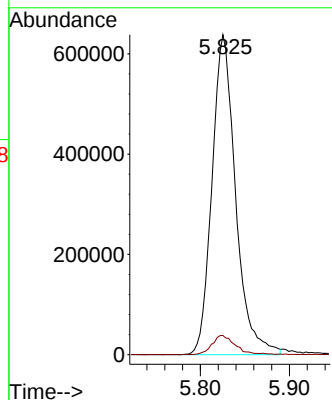
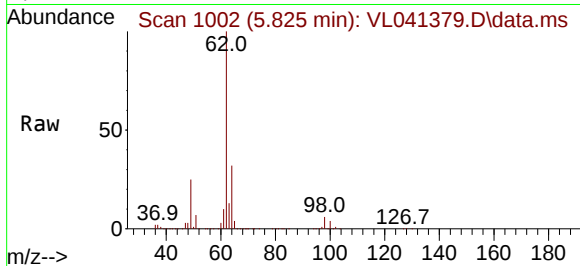
#37  
1,2-Dichloroethane  
Concen: 9.197 ppbv  
RT: 5.825 min Scan# 1002  
Delta R.T. 0.000 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 62 Resp: 117598  
Ion Ratio Lower Upper  
62 100  
98 6.1 4.8 7.2

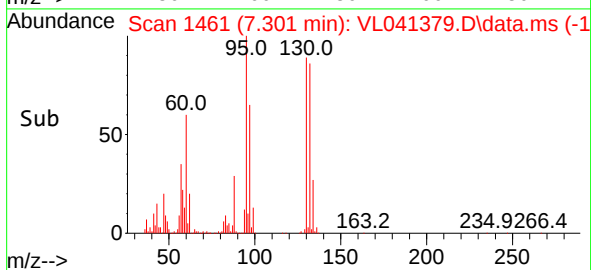
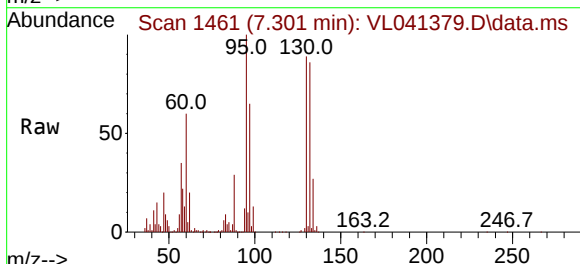
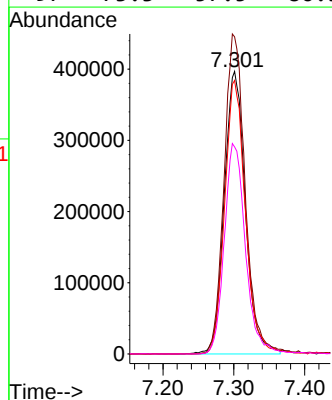
Manual Integrations  
APPROVED

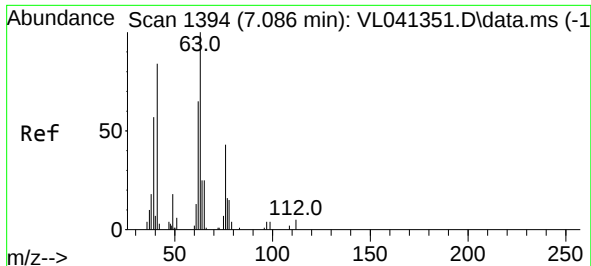
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#38  
Trichloroethene  
Concen: 8.466 ppbv  
RT: 7.301 min Scan# 1461  
Delta R.T. -0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Tgt Ion:130 Resp: 821822  
Ion Ratio Lower Upper  
130 100  
95 112.2 90.0 135.0  
132 96.7 74.8 112.2  
97 73.3 57.5 86.3





#39

1,2-Dichloropropane

Concen: 9.188 ppbv

RT: 7.086 min Scan# 1459

Delta R.T. -0.003 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 63 Resp: 79123

Ion Ratio Lower Upper

63 100

41 75.0 64.0 96.0

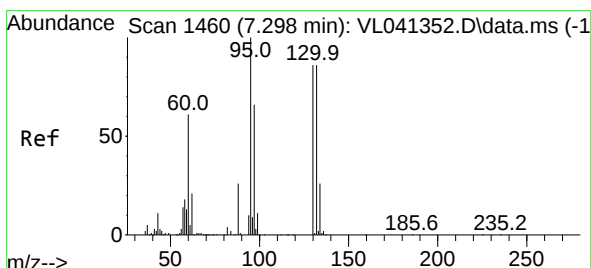
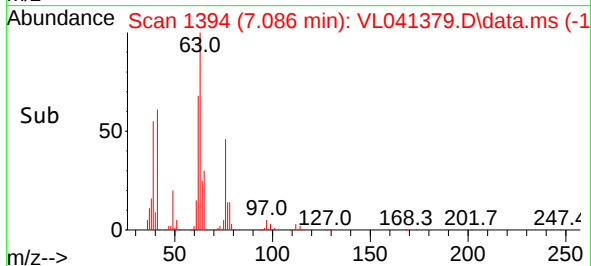
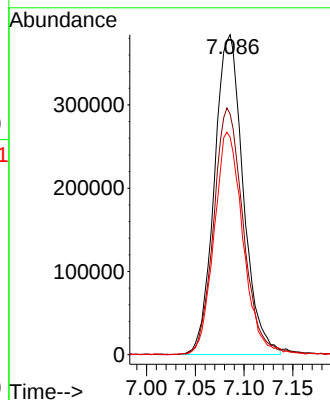
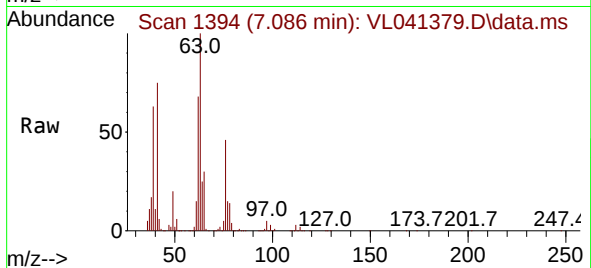
62 67.7 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024

Supervised By :Semsettin Yesilyurt 07/02/2024



#40

1,4-Dioxane

Concen: 11.778 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. -0.010 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Tgt Ion: 88 Resp: 325196

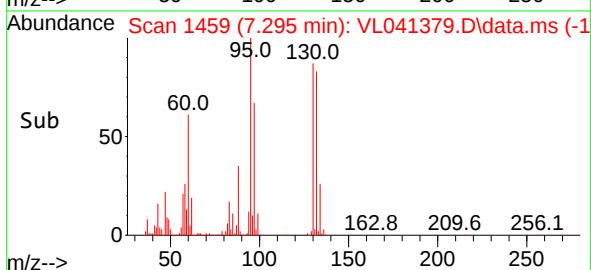
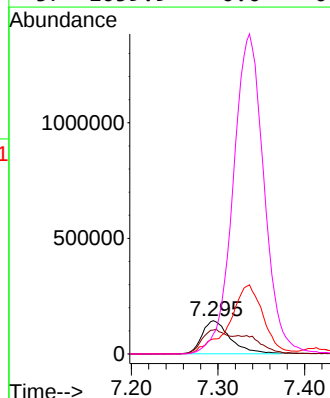
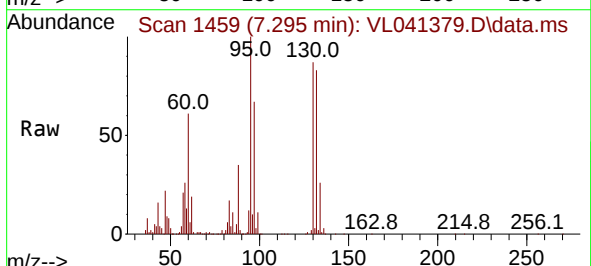
Ion Ratio Lower Upper

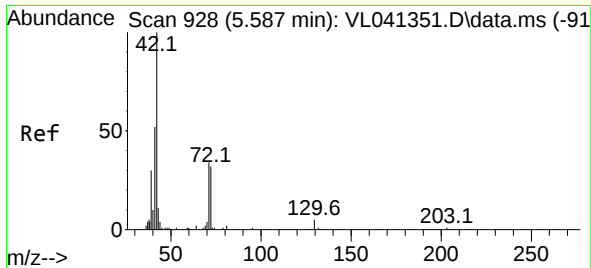
88 100

58 123.2 47.9 71.9#

43 250.1 0.0 0.0#

57 1059.9 0.0 0.0#





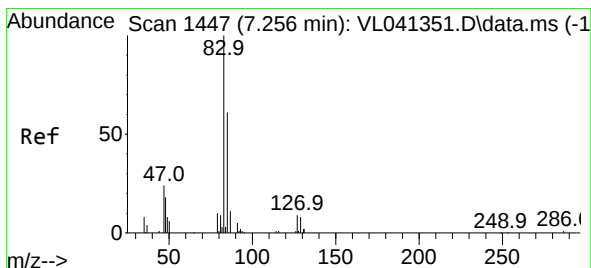
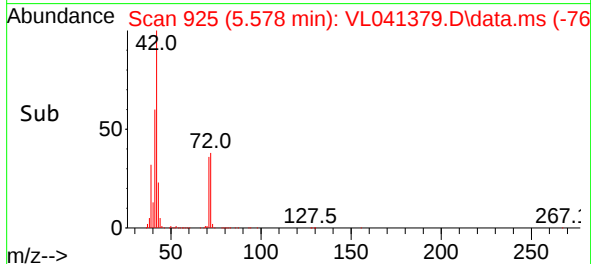
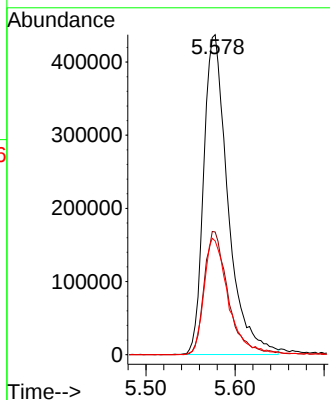
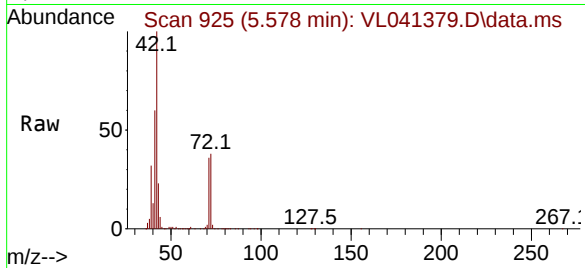
#41  
Tetrahydrofuran  
Concen: 9.374 ppbv  
RT: 5.578 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 42 Resp: 82507  
Ion Ratio Lower Upper  
42 100  
72 38.7 30.3 45.5  
71 37.2 29.7 44.5

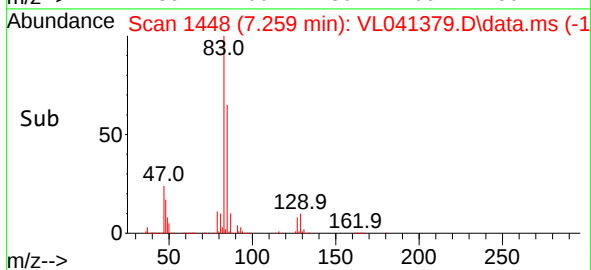
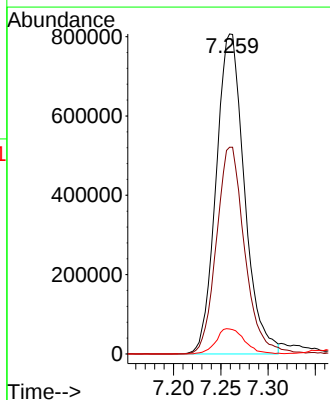
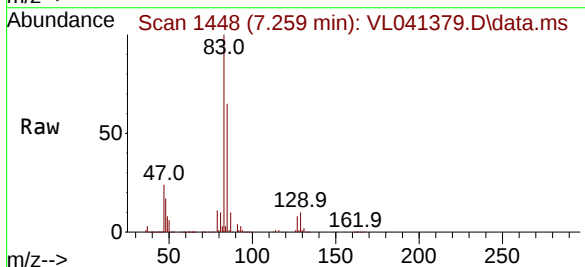
Manual Integrations  
APPROVED

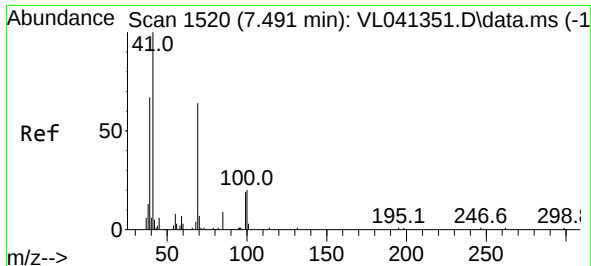
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#42  
Bromodichloromethane  
Concen: 9.384 ppbv  
RT: 7.259 min Scan# 1448  
Delta R.T. -0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Tgt Ion: 83 Resp: 1678836  
Ion Ratio Lower Upper  
83 100  
85 64.6 52.0 78.0  
127 7.8 6.0 9.0





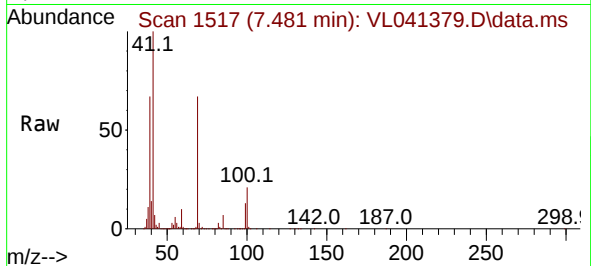
#43  
Methyl Methacrylate  
Concen: 9.929 ppbv  
RT: 7.481 min Scan# 1520  
Delta R.T. -0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

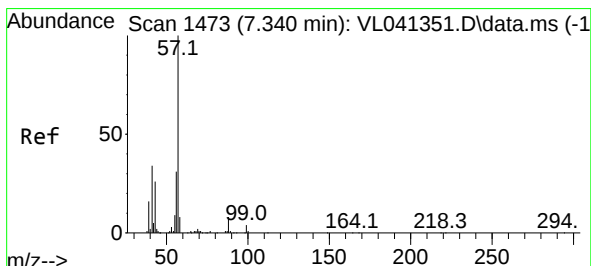
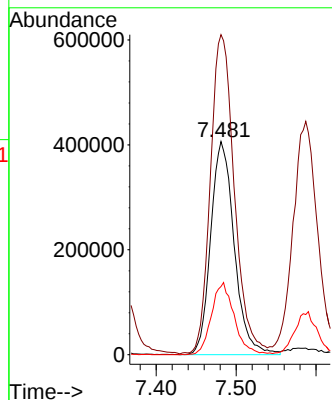
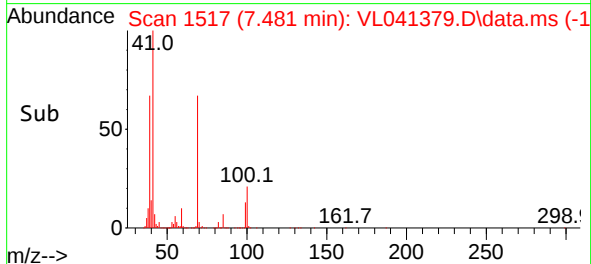


Tgt Ion: 69 Resp: 831330  
Ion Ratio Lower Upper  
69 100  
41 152.5 125.0 187.6  
100 32.7 26.8 40.2

Manual Integrations

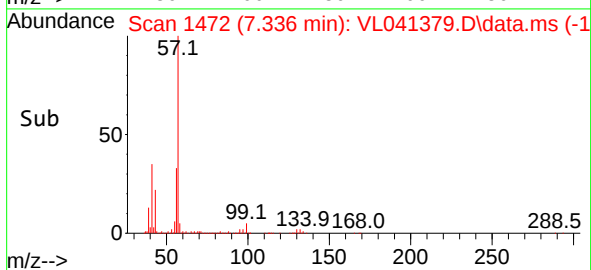
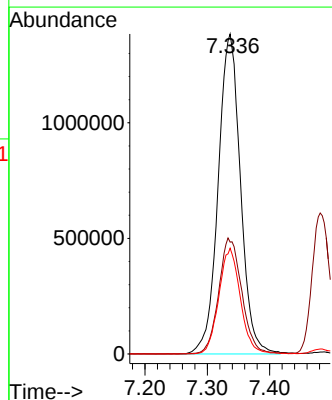
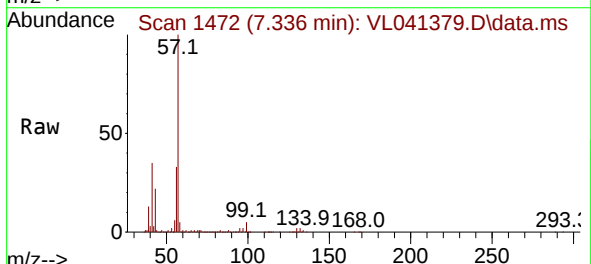
APPROVED

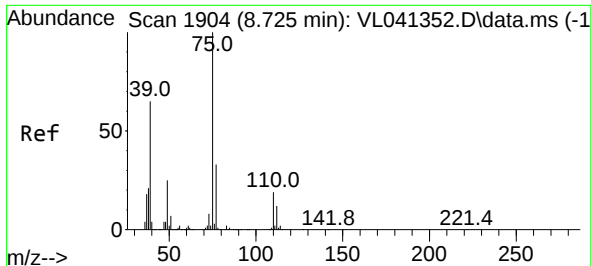
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#44  
2,2,4-Trimethylpentane  
Concen: 9.080 ppbv  
RT: 7.336 min Scan# 1472  
Delta R.T. -0.003 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Tgt Ion: 57 Resp: 3438881  
Ion Ratio Lower Upper  
57 100  
41 37.5 29.6 44.4  
56 31.9 25.7 38.5





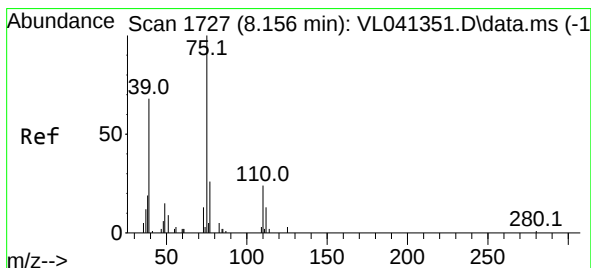
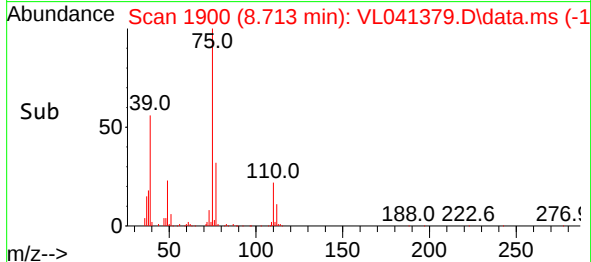
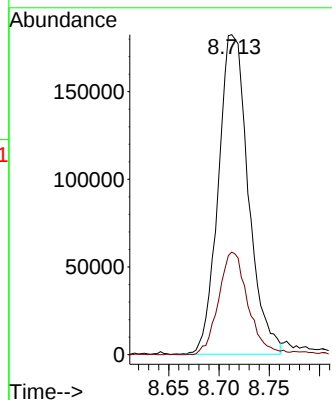
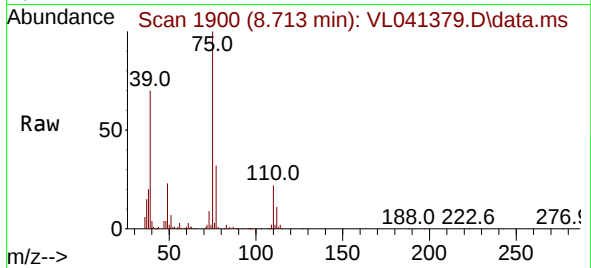
#45  
t-1,3-Dichloropropene  
Concen: 7.157 ppbv  
RT: 8.713 min Scan# 1904  
Delta R.T. -0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 75 Resp: 379250  
Ion Ratio Lower Upper  
75 100  
77 32.1 26.2 39.2

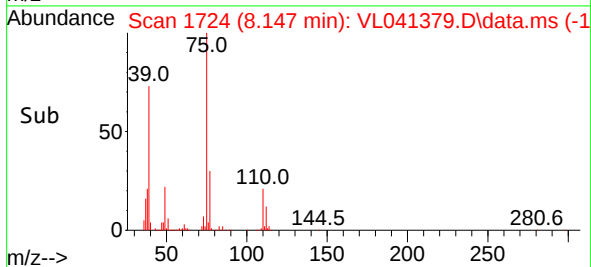
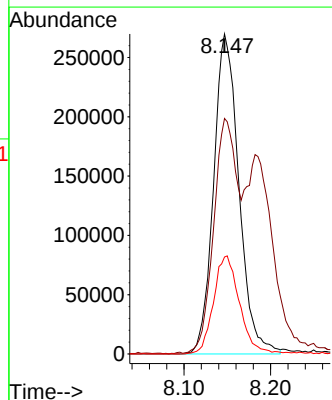
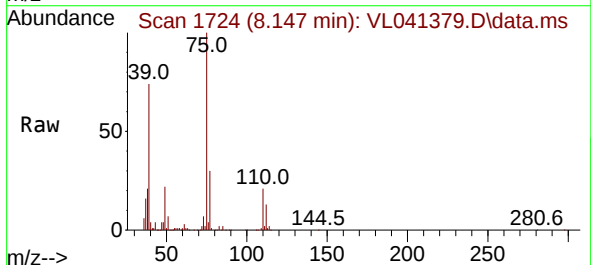
Manual Integrations  
APPROVED

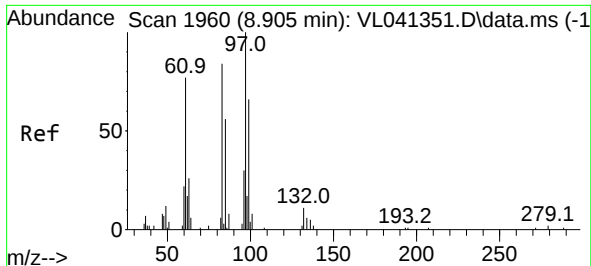
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#46  
cis-1,3-Dichloropropene  
Concen: 7.679 ppbv  
RT: 8.147 min Scan# 1724  
Delta R.T. -0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Tgt Ion: 75 Resp: 547148  
Ion Ratio Lower Upper  
75 100  
39 73.0 56.6 85.0  
77 30.3 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 9.180 ppbv

RT: 8.902 min Scan# 1960

Delta R.T. -0.006 min

Lab File: VL041379.D

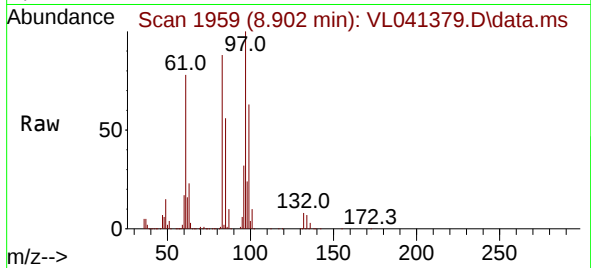
Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion: 97 Resp: 847928

Ion Ratio Lower Upper

97 100

83 88.3 72.4 108.6

85 55.7 42.6 64.0

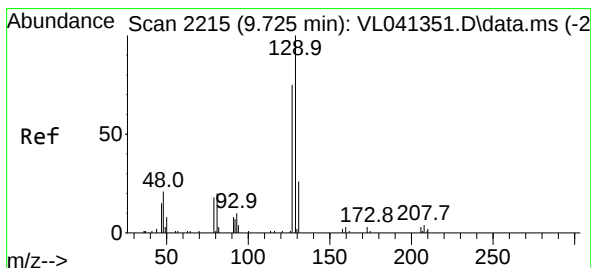
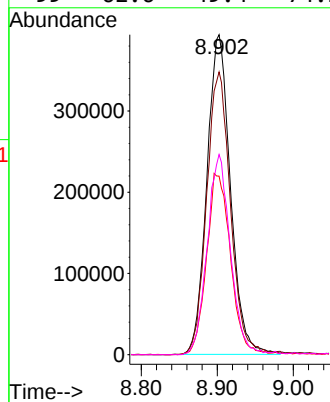
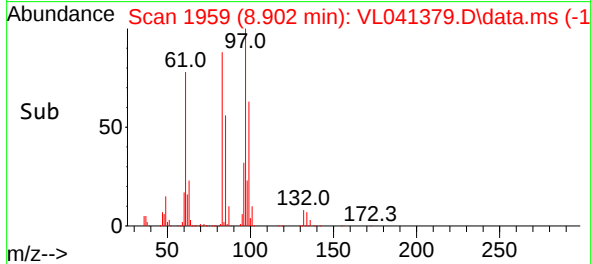
99 62.6 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024

Supervised By :Semsettin Yesilyurt 07/02/2024



#48

Dibromochloromethane

Concen: 9.658 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.006 min

Lab File: VL041379.D

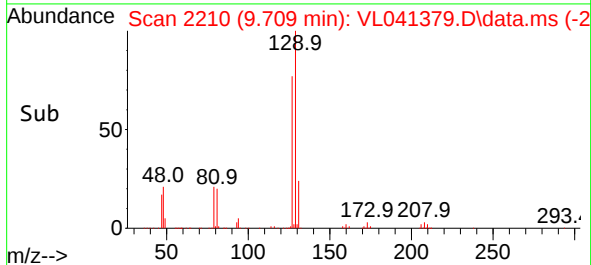
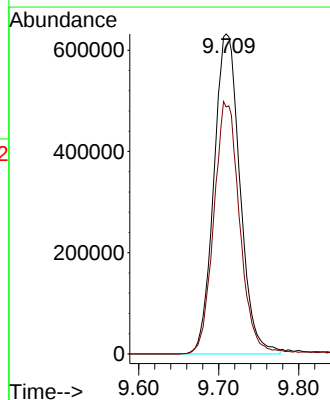
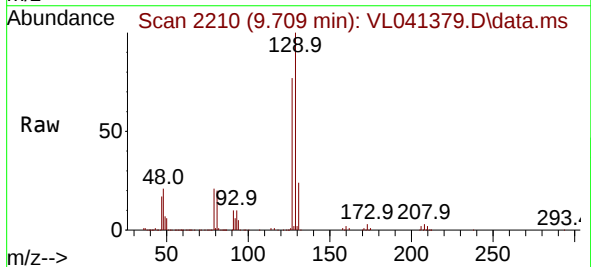
Acq: 1 Jul 2024 22:35

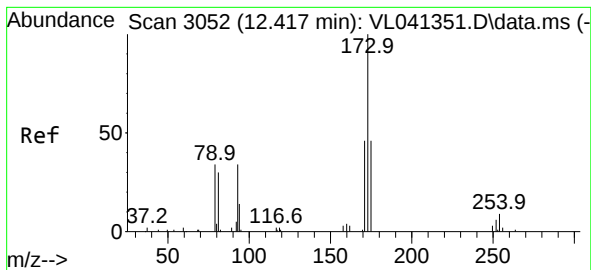
Tgt Ion:129 Resp: 1432589

Ion Ratio Lower Upper

129 100

127 79.4 39.9 119.7





#49

Bromoform

Concen: 9.693 ppbv

RT: 12.400 min Scan# 3052

Delta R.T. -0.010 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:173 Resp: 114500

Ion Ratio Lower Upper

173 100

175 52.6 40.3 60.5

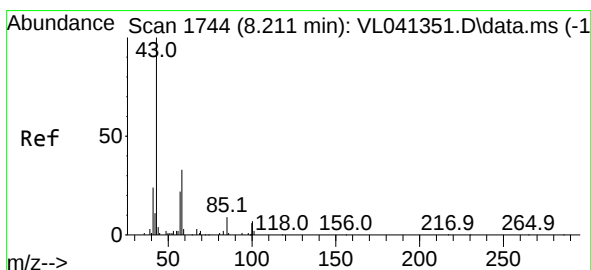
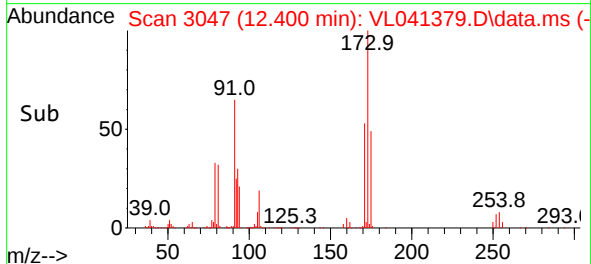
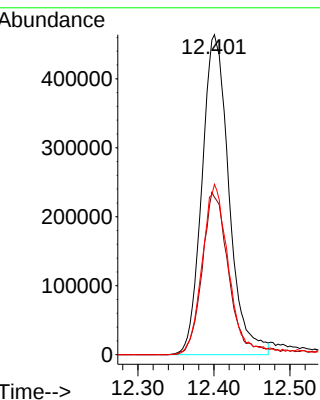
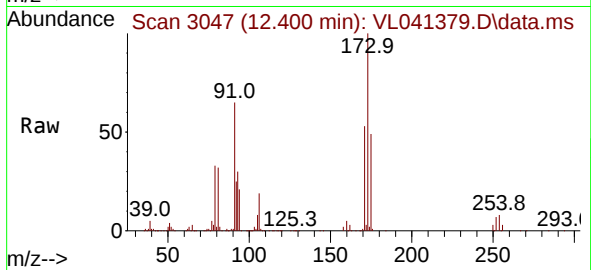
171 55.2 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024

Supervised By :Semsettin Yesilyurt 07/02/2024



#50

4-Methyl-2-Pentanone

Concen: 9.215 ppbv

RT: 8.188 min Scan# 1737

Delta R.T. -0.003 min

Lab File: VL041379.D

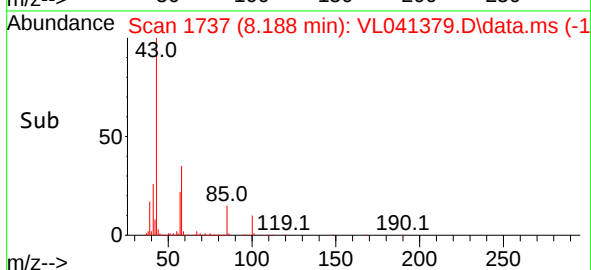
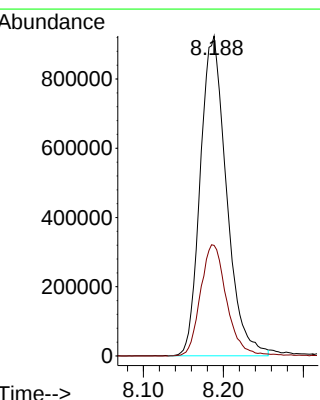
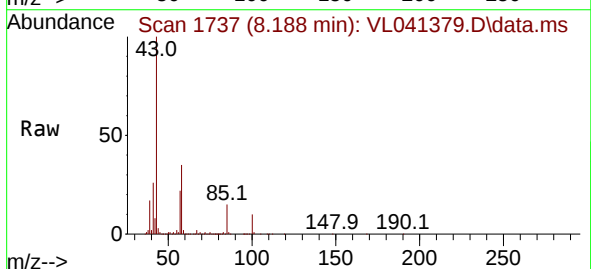
Acq: 1 Jul 2024 22:35

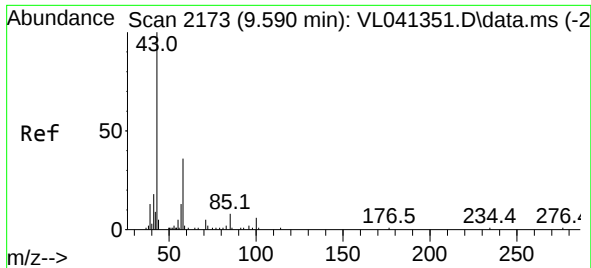
Tgt Ion: 43 Resp: 2102612

Ion Ratio Lower Upper

43 100

58 35.2 27.8 41.8





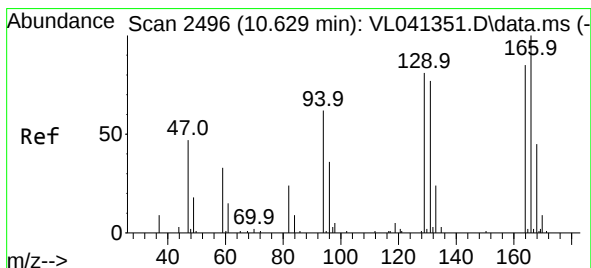
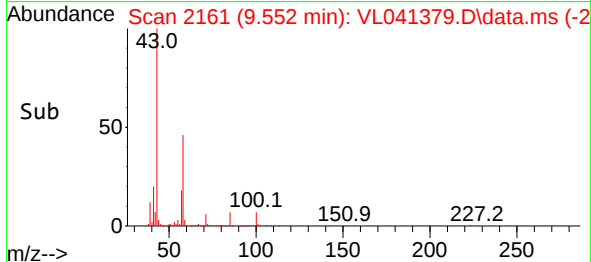
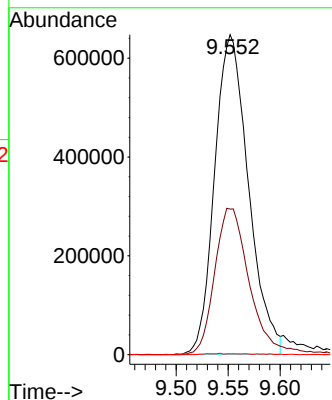
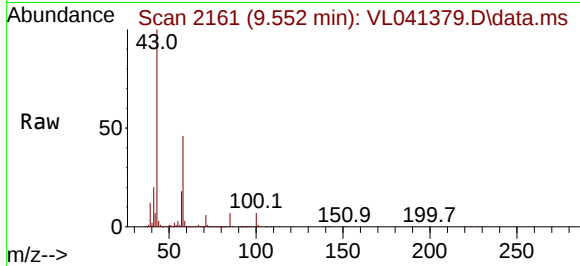
#51  
2-Hexanone  
Concen: 9.011 ppbv  
RT: 9.552 min Scan# 2173  
Delta R.T. -0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 146159  
Ion Ratio Lower Upper  
43 100  
58 47.8 38.0 57.0  
98 0.4 0.2 0.2

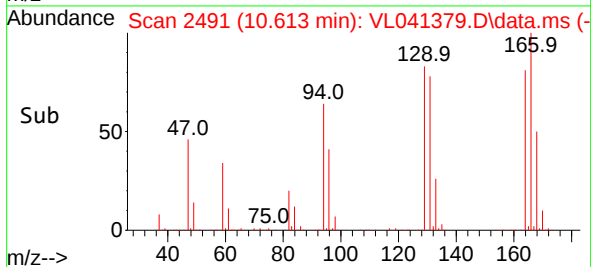
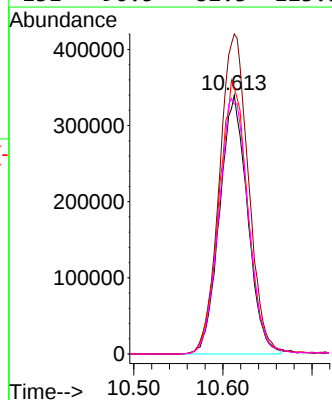
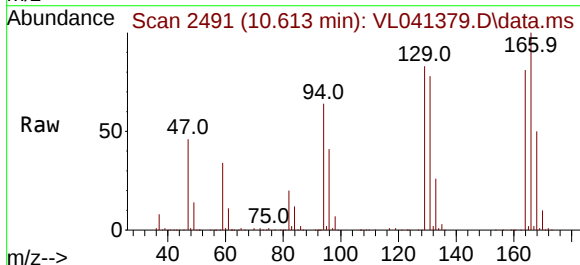
Manual Integrations  
APPROVED

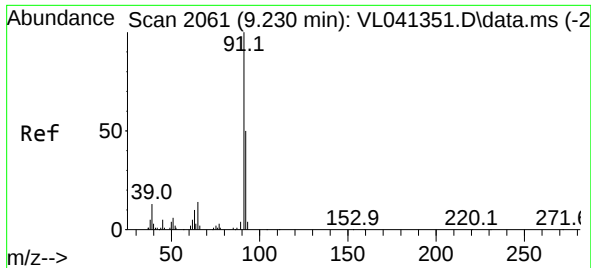
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#52  
Tetrachloroethene  
Concen: 8.248 ppbv  
RT: 10.613 min Scan# 2491  
Delta R.T. -0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Tgt Ion:164 Resp: 738085  
Ion Ratio Lower Upper  
164 100  
166 123.6 99.8 149.8  
129 102.7 83.8 125.6  
131 96.5 82.3 123.5





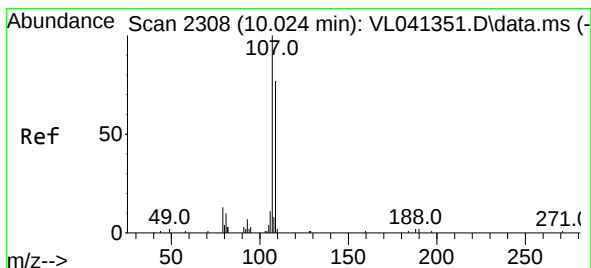
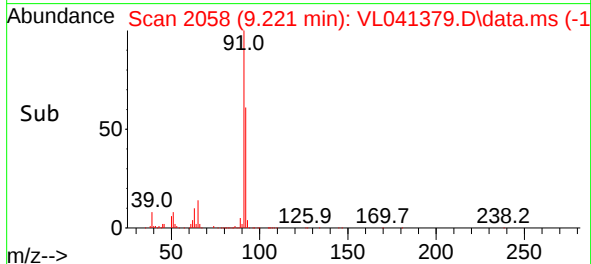
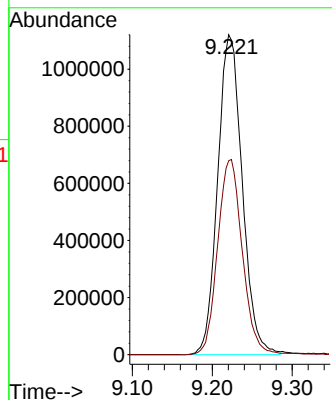
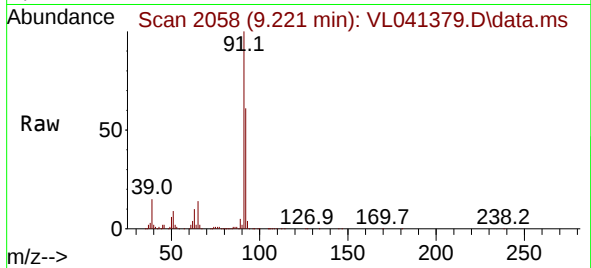
#53  
Toluene  
Concen: 9.498 ppbv  
RT: 9.221 min Scan# 2061  
Delta R.T. -0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 91 Resp: 238732  
Ion Ratio Lower Upper  
91 100  
92 61.6 48.5 72.7

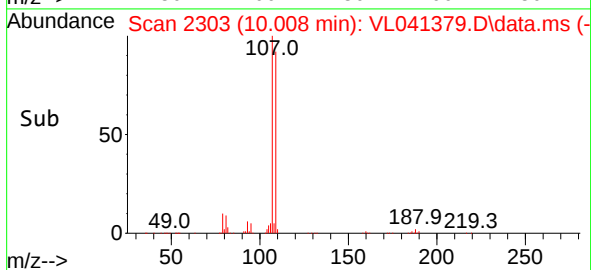
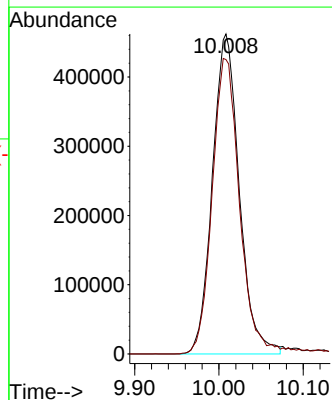
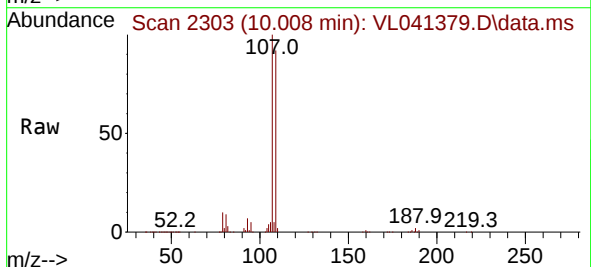
Manual Integrations  
APPROVED

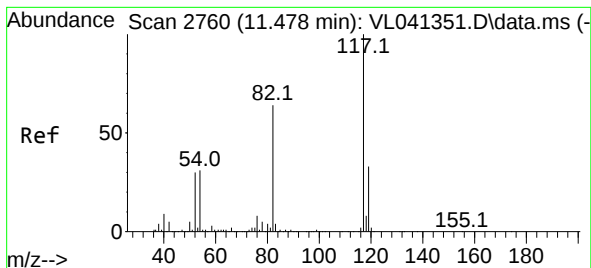
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#54  
1,2-Dibromoethane  
Concen: 8.938 ppbv  
RT: 10.008 min Scan# 2303  
Delta R.T. -0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

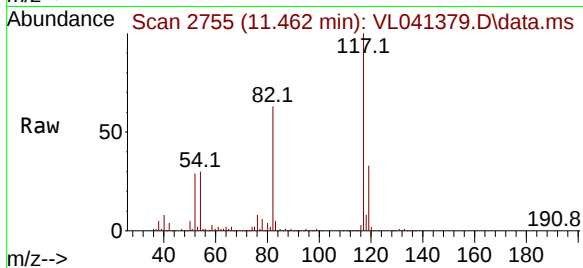
Tgt Ion:107 Resp: 1021670  
Ion Ratio Lower Upper  
107 100  
109 92.0 75.8 113.6





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 11.462 min Scan# 2755  
Delta R.T. -0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

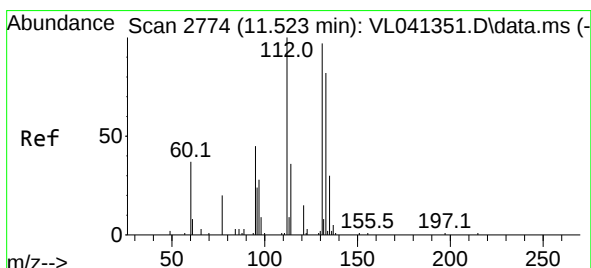
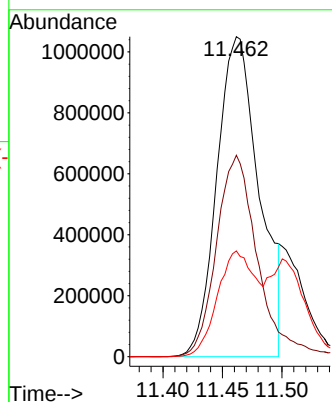
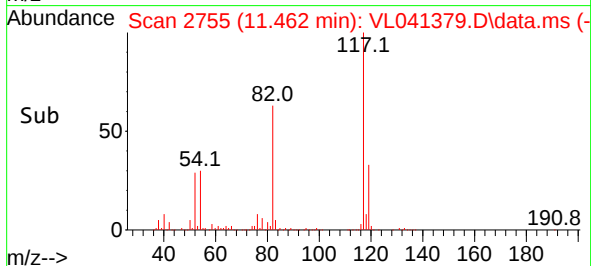
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:117 Resp: 2590524  
Ion Ratio Lower Upper  
117 100  
82 63.1 50.6 75.8  
119 28.9 24.7 37.1

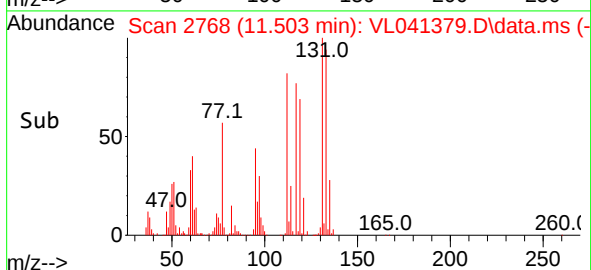
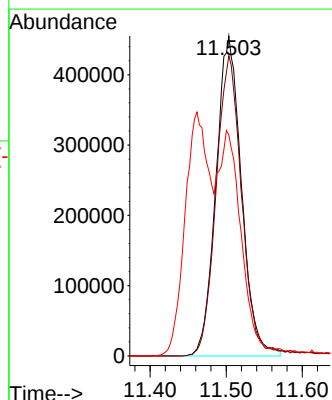
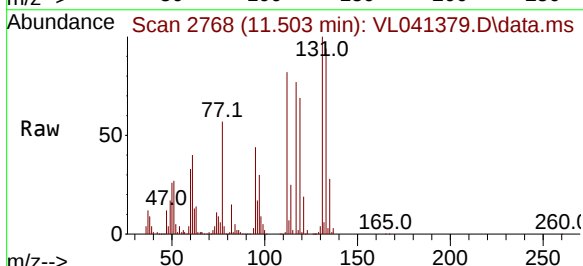
Manual Integrations  
APPROVED

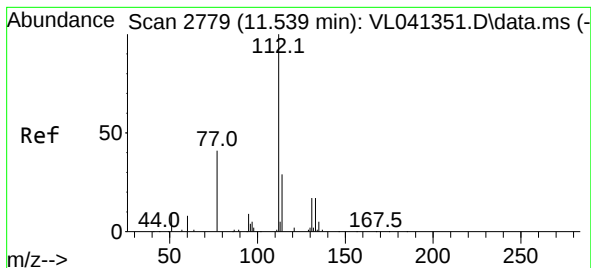
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.081 ppbv  
RT: 11.503 min Scan# 2768  
Delta R.T. -0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

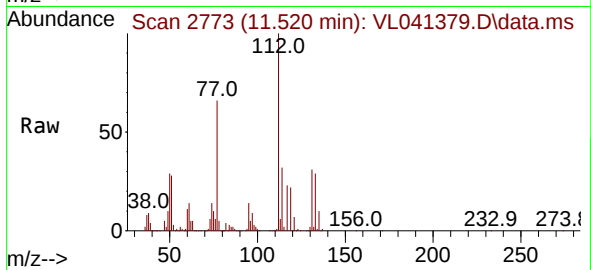
Tgt Ion:131 Resp: 1058568  
Ion Ratio Lower Upper  
131 100  
133 97.0 76.8 115.2  
119 60.8 49.4 74.0





#57  
Chlorobenzene  
Concen: 8.970 ppbv  
RT: 11.520 min Scan# 211  
Delta R.T. -0.013 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

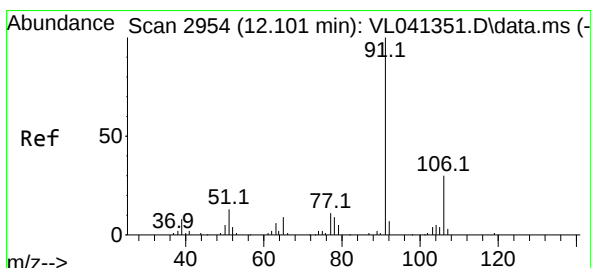
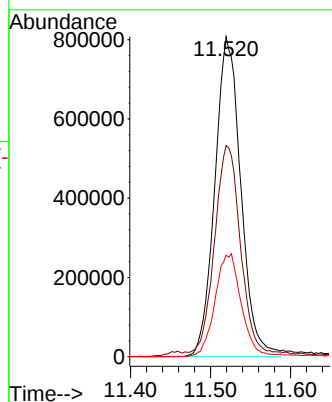
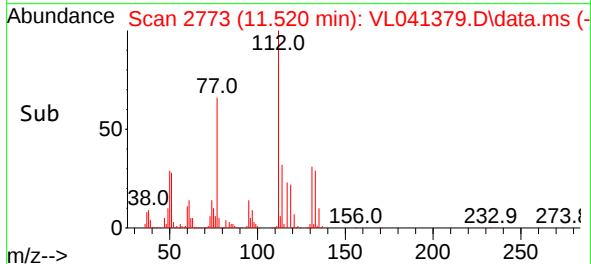
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 112 Resp: 1822824  
Ion Ratio Lower Upper  
112 100  
77 64.6 53.2 79.8  
114 31.6 30.1 36.7

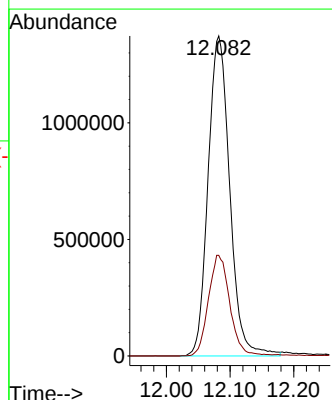
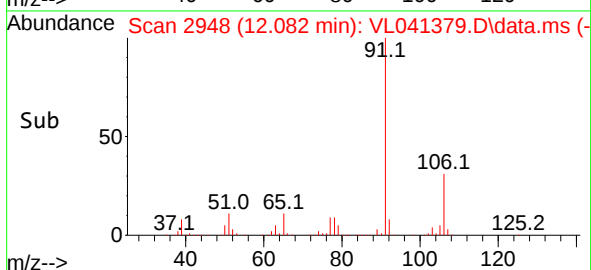
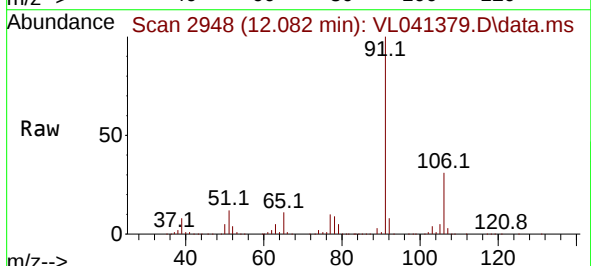
Manual Integrations  
APPROVED

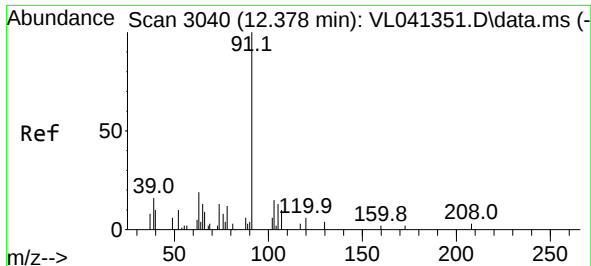
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#58  
Ethyl Benzene  
Concen: 9.357 ppbv  
RT: 12.082 min Scan# 2948  
Delta R.T. -0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Tgt Ion: 91 Resp: 3243092  
Ion Ratio Lower Upper  
91 100  
106 31.4 25.4 38.0





#59

m/p-Xylene

Concen: 18.365 ppbv m

RT: 12.365 min Scan# 3040

Delta R.T. -0.010 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 550854

Ion Ratio Lower Upper

91 100

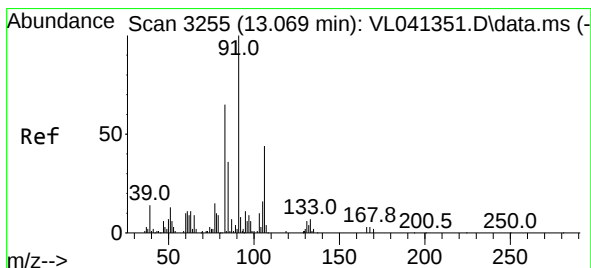
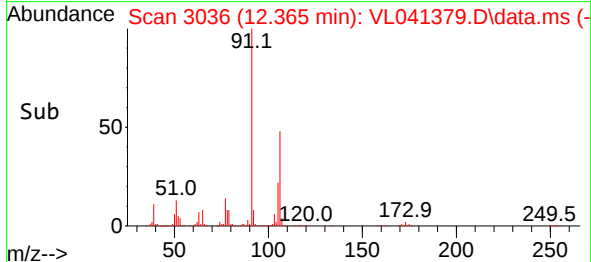
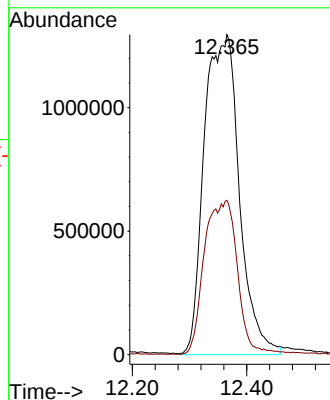
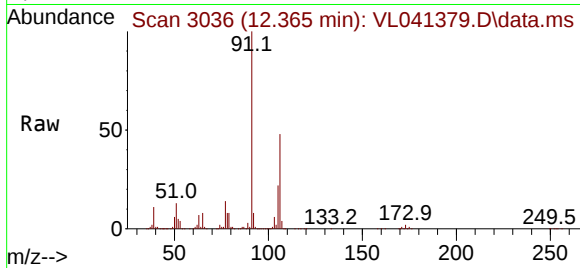
106 46.2 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024

Supervised By :Semsettin Yesilyurt 07/02/2024



#60

o-Xylene

Concen: 9.213 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.010 min

Lab File: VL041379.D

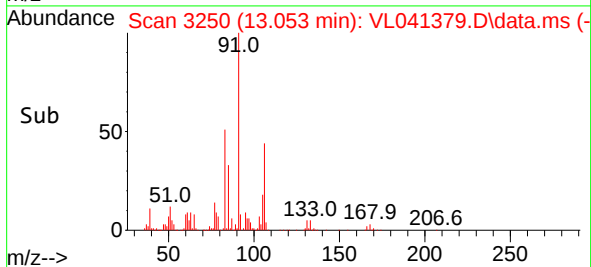
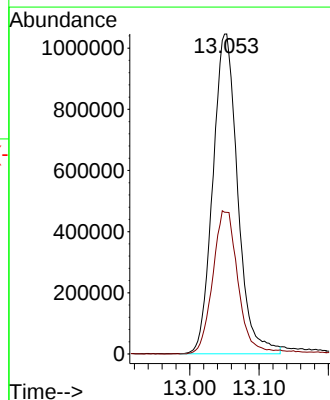
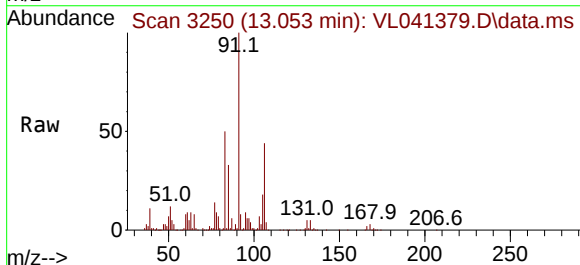
Acq: 1 Jul 2024 22:35

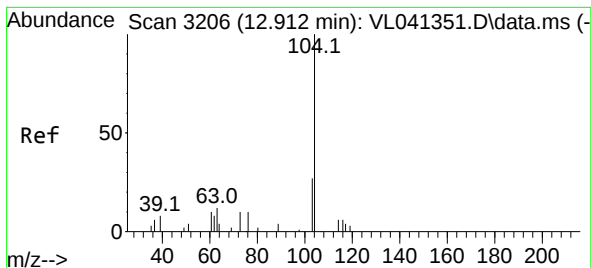
Tgt Ion: 91 Resp: 2608092

Ion Ratio Lower Upper

91 100

106 46.7 23.3 69.8





#61

Styrene

Concen: 9.702 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. -0.010 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 133378

Ion Ratio Lower Upper

104 100

78 51.5 40.6 61.0

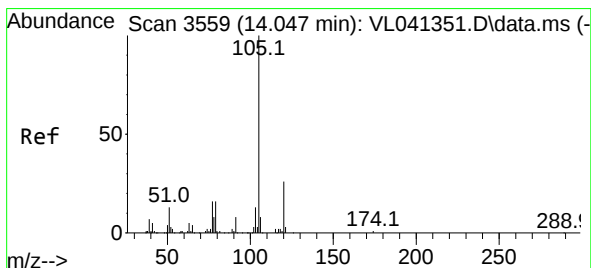
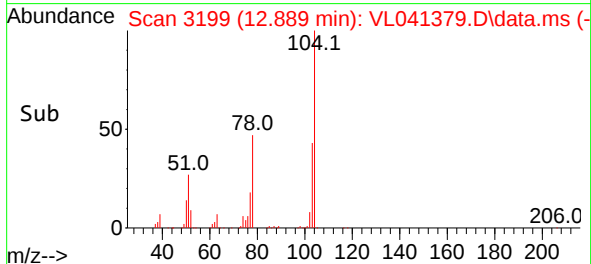
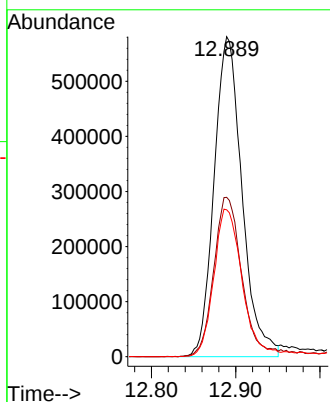
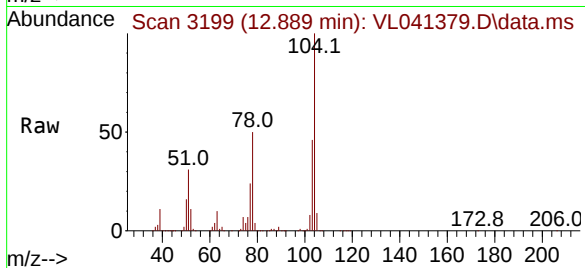
103 47.9 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024

Supervised By :Semsettin Yesilyurt 07/02/2024



#62

Isopropylbenzene

Concen: 9.098 ppbv

RT: 14.021 min Scan# 3551

Delta R.T. -0.013 min

Lab File: VL041379.D

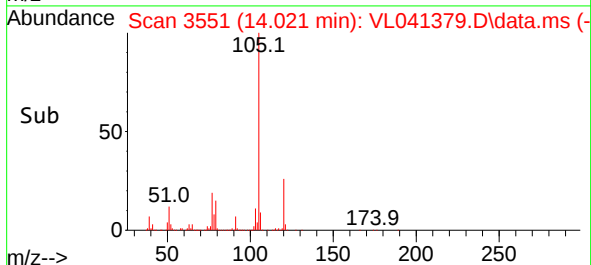
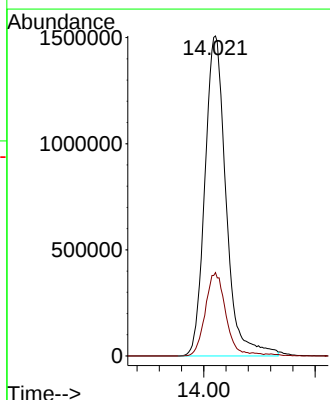
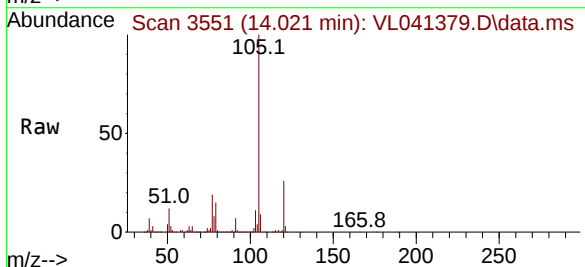
Acq: 1 Jul 2024 22:35

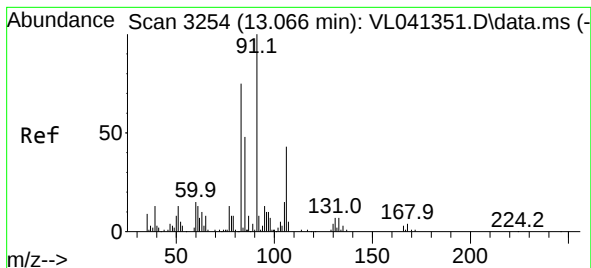
Tgt Ion:105 Resp: 3976294

Ion Ratio Lower Upper

105 100

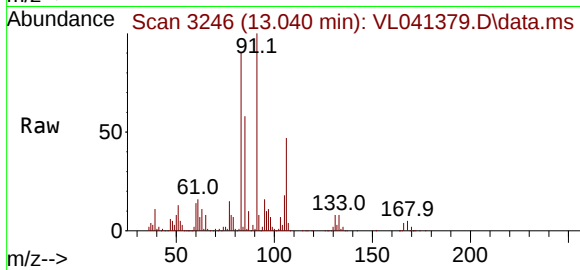
120 25.8 20.9 31.3





#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.323 ppbv  
RT: 13.040 min Scan# 31  
Delta R.T. -0.013 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

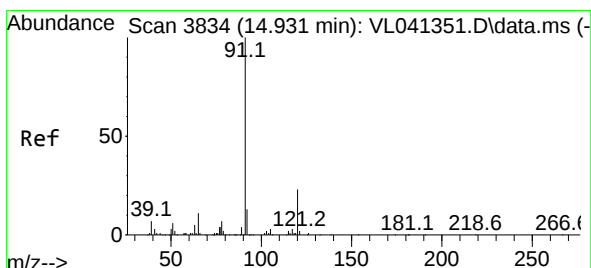
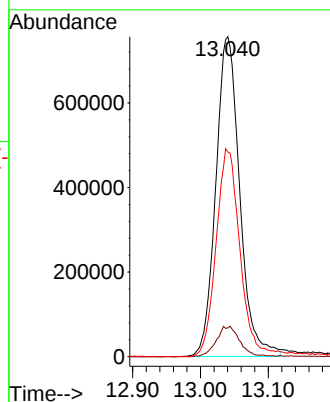
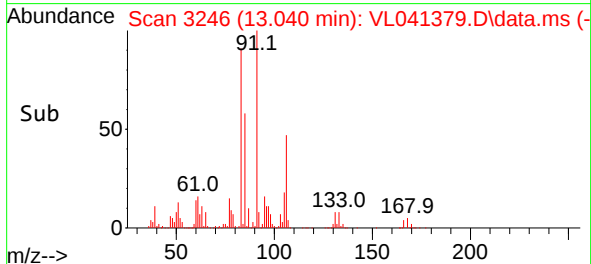
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



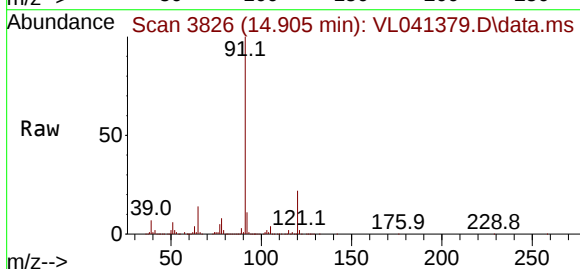
Tgt Ion: 83 Resp: 1856179  
Ion Ratio Lower Upper  
83 100  
131 9.8 4.8 14.4  
85 66.7 33.0 98.9

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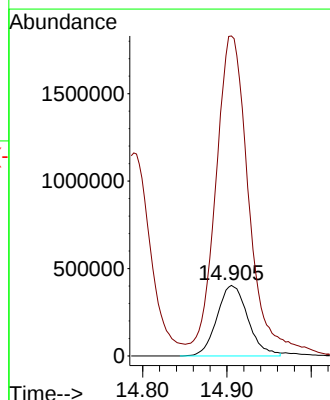
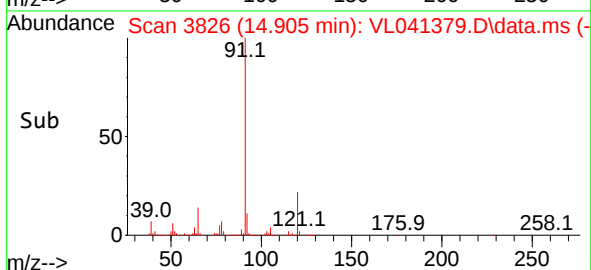
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024

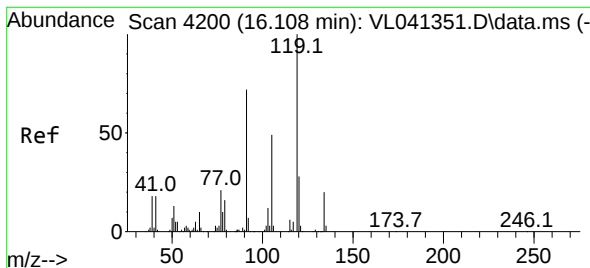


#64  
n-propylbenzene  
Concen: 9.006 ppbv  
RT: 14.905 min Scan# 3826  
Delta R.T. -0.016 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35



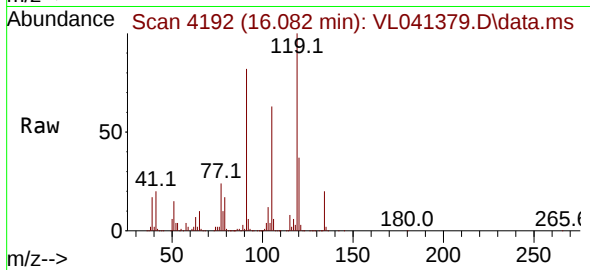
Tgt Ion:120 Resp: 1027435  
Ion Ratio Lower Upper  
120 100  
91 488.9 378.4 567.6





#65  
tert-Butylbenzene  
Concen: 9.105 ppbv  
RT: 16.082 min Scan# 4119  
Delta R.T. -0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

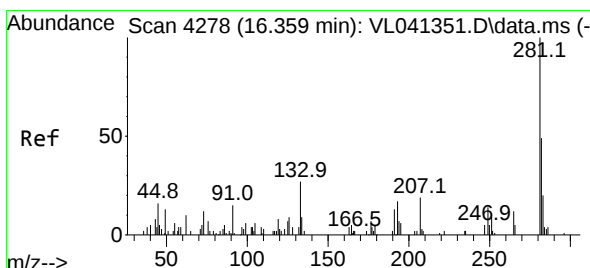
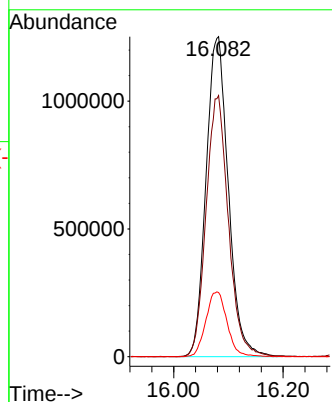
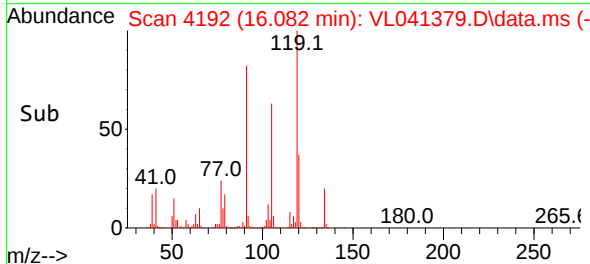
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



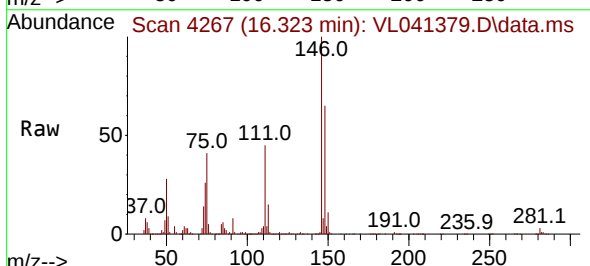
Tgt Ion:119 Resp: 3543079  
Ion Ratio Lower Upper  
119 100  
91 81.7 65.8 98.6  
134 19.3 15.7 23.5

Manual Integrations  
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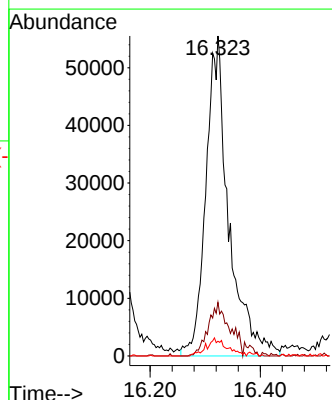
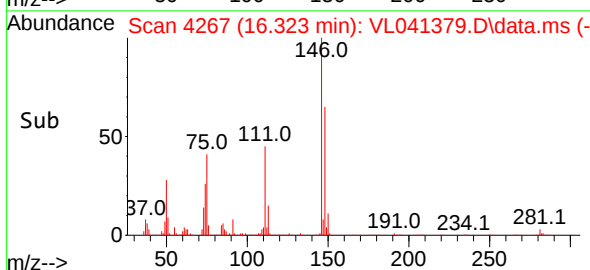
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024

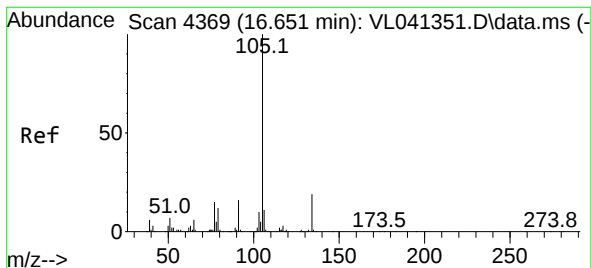


#66  
Benzyl Chloride  
Concen: 6.272 ppbv m  
RT: 16.323 min Scan# 4267  
Delta R.T. -0.006 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35



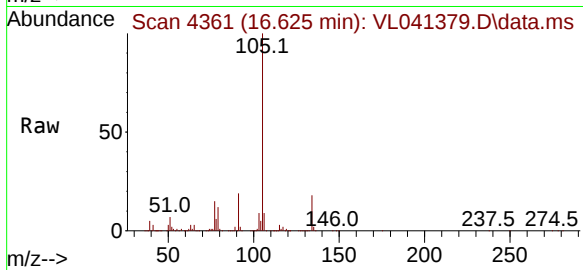
Tgt Ion: 91 Resp: 160376  
Ion Ratio Lower Upper  
91 100  
126 0.0 15.4 23.0#  
128 4.9 5.0 7.4#





#67  
 sec-Butylbenzene  
 Concen: 9.120 ppbv  
 RT: 16.625 min Scan# 41  
 Delta R.T. -0.010 min  
 Lab File: VL041379.D  
 Acq: 1 Jul 2024 22:35

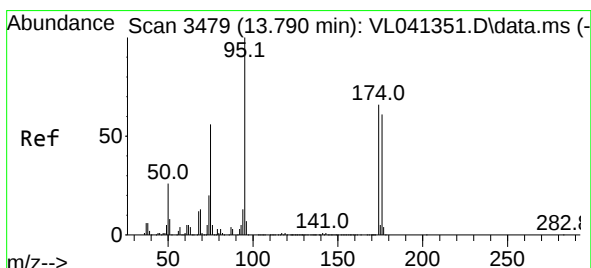
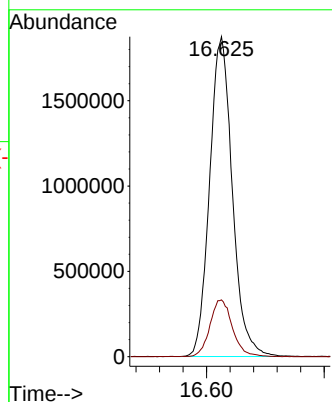
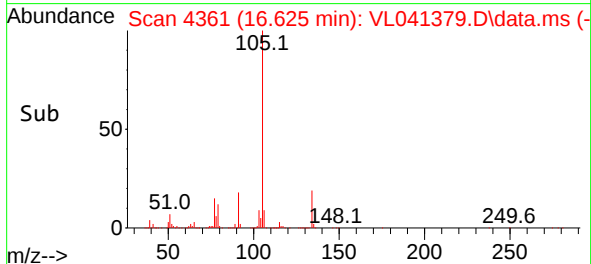
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



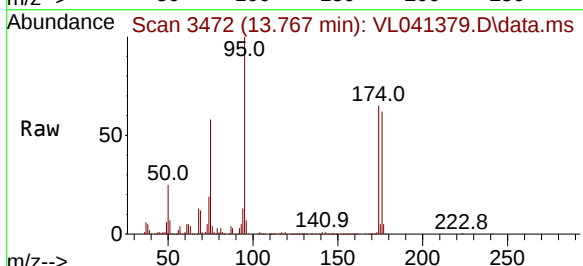
Tgt Ion:105 Resp: 501919  
 Ion Ratio Lower Upper  
 105 100  
 134 17.7 14.2 21.2

Manual Integrations  
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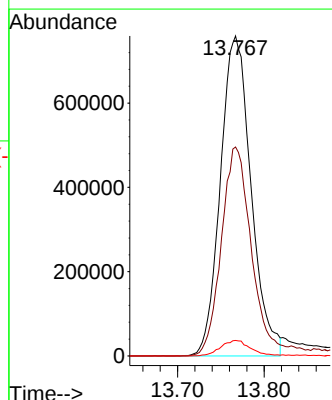
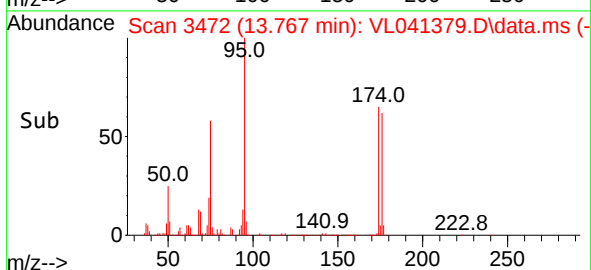
Reviewed By :Mahesh Dadoda 07/02/2024  
 Supervised By :Semsettin Yesilyurt 07/02/2024

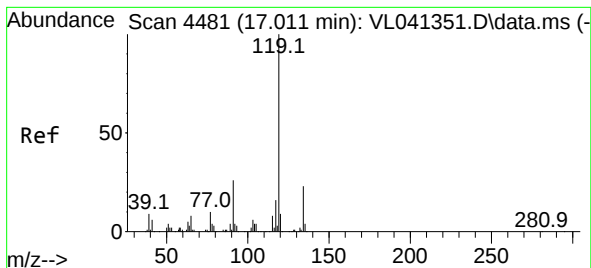


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.606 ppbv  
 RT: 13.767 min Scan# 3472  
 Delta R.T. -0.010 min  
 Lab File: VL041379.D  
 Acq: 1 Jul 2024 22:35



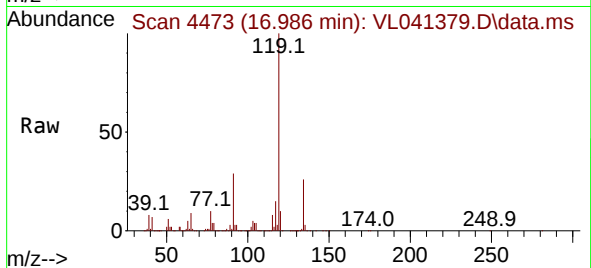
Tgt Ion: 95 Resp: 1865102  
 Ion Ratio Lower Upper  
 95 100  
 174 67.8 53.1 79.7  
 175 5.0 4.0 6.0





#69  
p-Isopropyltoluene  
Concen: 9.296 ppbv  
RT: 16.986 min Scan# 4481  
Delta R.T. -0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

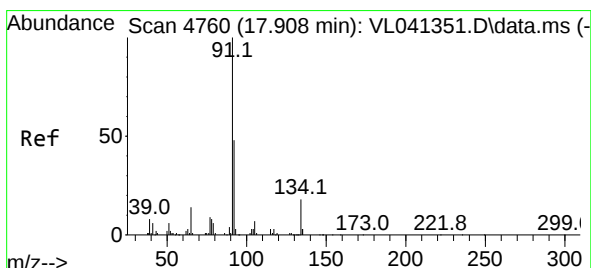
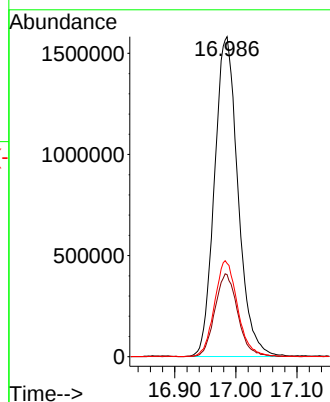
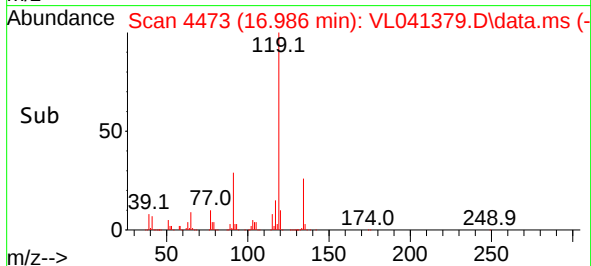
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



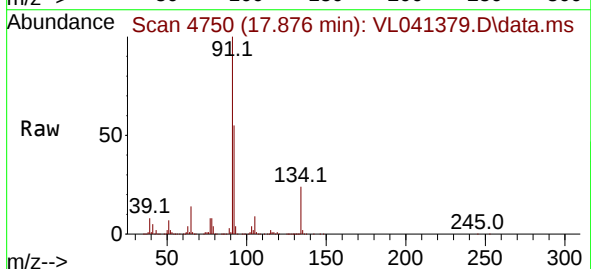
Tgt Ion:119 Resp: 422570  
Ion Ratio Lower Upper  
119 100  
134 25.2 20.0 30.0  
91 29.5 23.7 35.5

Manual Integrations  
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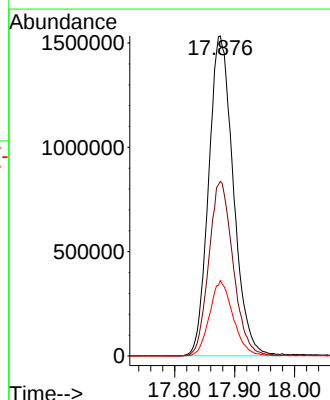
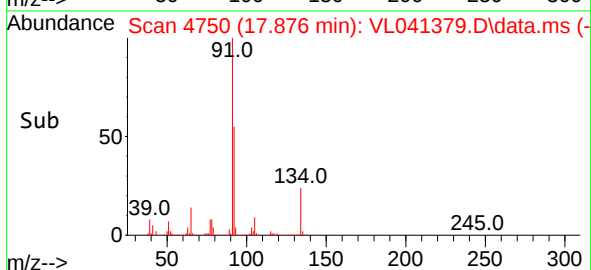
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024

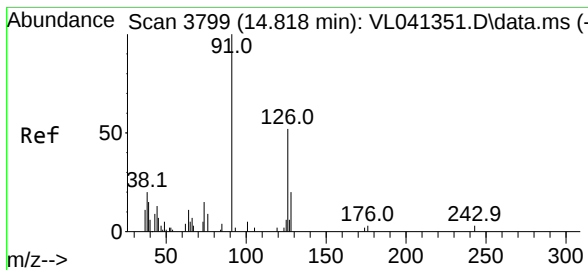


#70  
n-Butylbenzene  
Concen: 9.430 ppbv  
RT: 17.876 min Scan# 4750  
Delta R.T. -0.010 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35



Tgt Ion: 91 Resp: 4381330  
Ion Ratio Lower Upper  
91 100  
92 54.1 43.0 64.6  
134 22.6 18.0 27.0





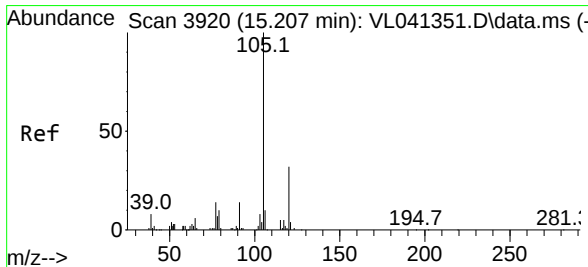
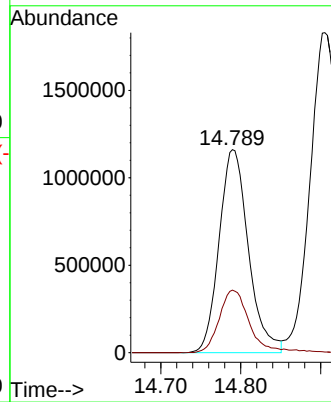
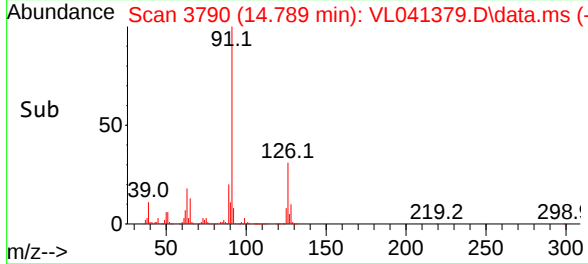
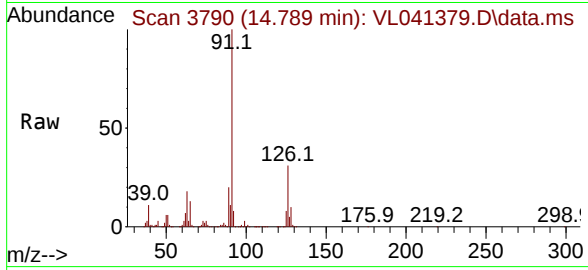
#71  
2-Chlorotoluene  
Concen: 9.097 ppbv  
RT: 14.789 min Scan# 31  
Delta R.T. -0.013 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 91 Resp: 295356  
Ion Ratio Lower Upper  
91 100  
126 32.4 12.9 51.7

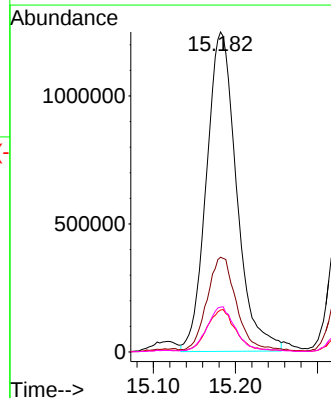
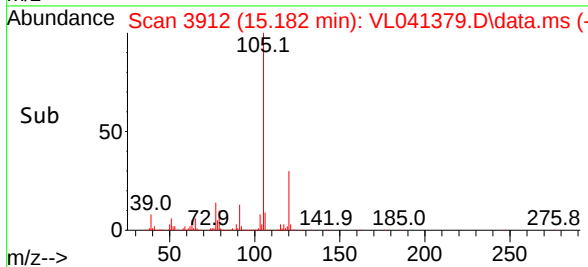
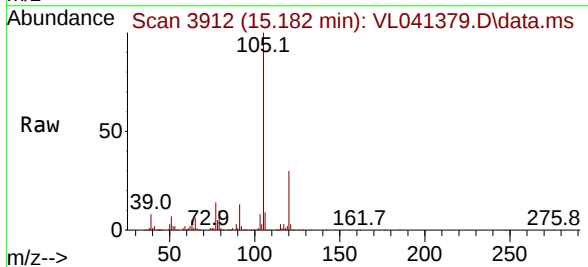
Manual Integrations  
APPROVED

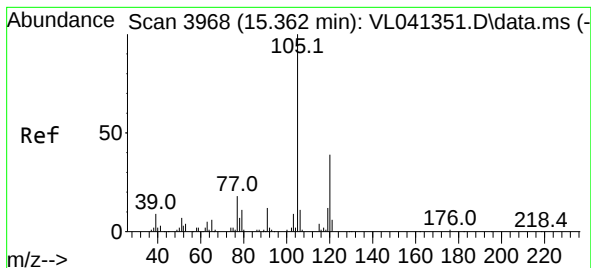
Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024



#72  
4-Ethyltoluene  
Concen: 9.467 ppbv  
RT: 15.182 min Scan# 3912  
Delta R.T. -0.013 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Tgt Ion:105 Resp: 3192041  
Ion Ratio Lower Upper  
105 100  
120 30.5 24.2 36.4  
91 14.1 10.2 15.2  
77 14.2 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.701 ppbv

RT: 15.339 min Scan# 3968

Delta R.T. -0.013 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 279979

Ion Ratio Lower Upper

105 100

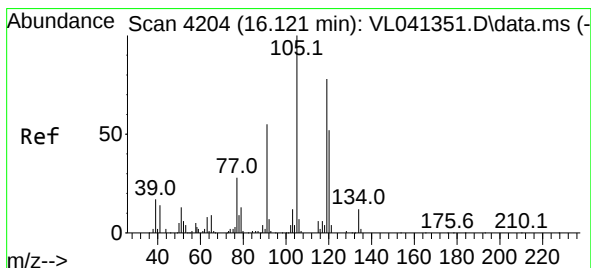
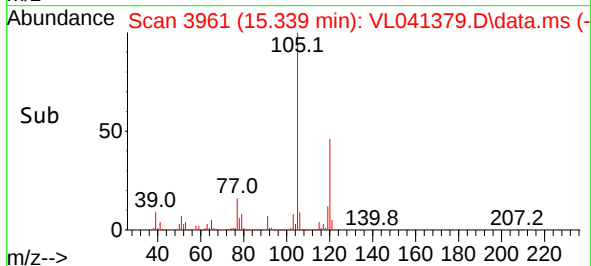
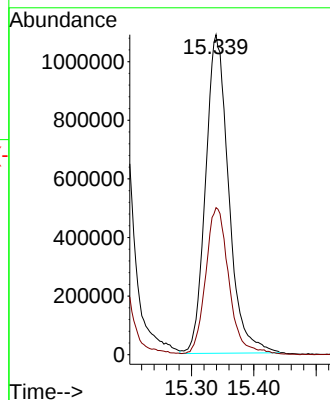
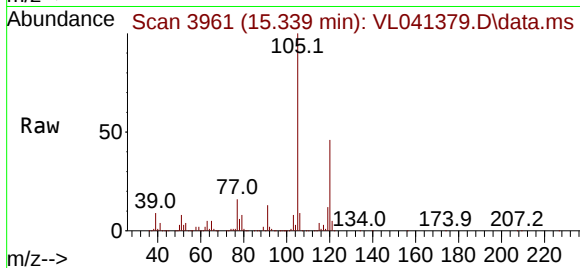
120 45.9 37.3 55.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024

Supervised By :Semsettin Yesilyurt 07/02/2024



#74

1,2,4-Trimethylbenzene

Concen: 9.464 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. -0.010 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Tgt Ion:105 Resp: 3077907

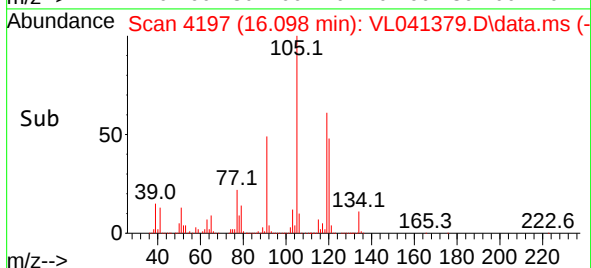
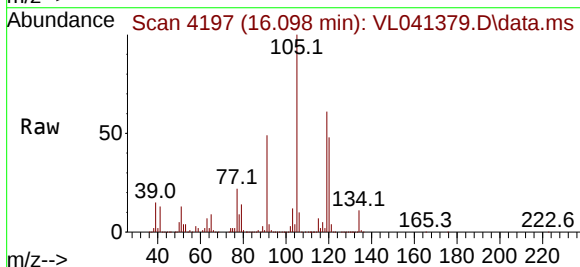
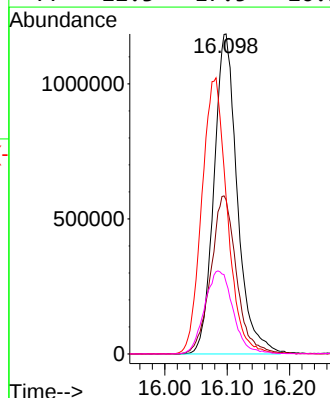
Ion Ratio Lower Upper

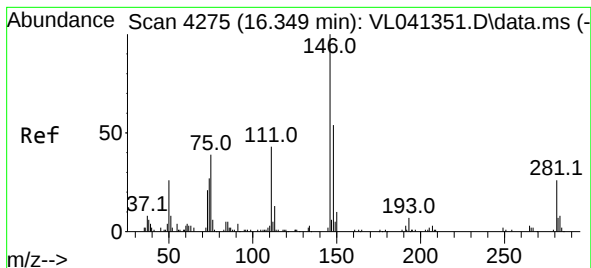
105 100

120 48.1 37.8 56.8

91 48.7 38.0 57.0

77 22.3 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 9.198 ppbv

RT: 16.320 min Scan# 4310

Delta R.T. -0.013 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 1774399

Ion Ratio Lower Upper

146 100

111 47.7 23.5 70.5

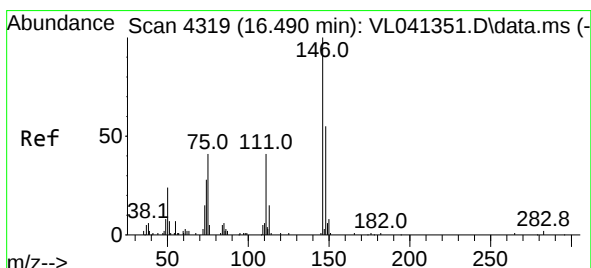
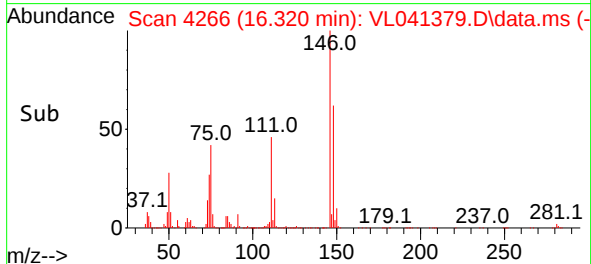
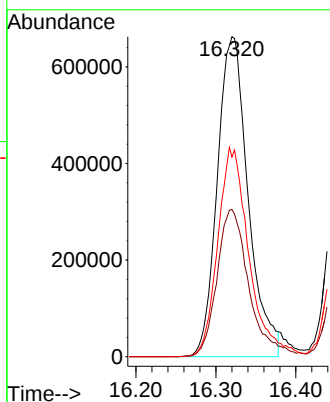
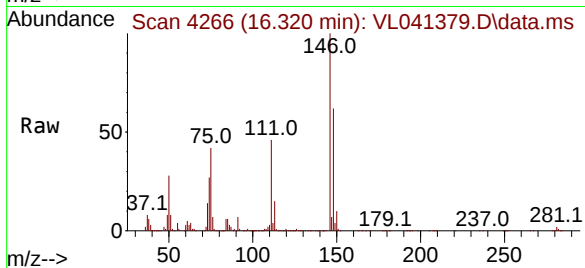
148 66.1 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024

Supervised By :Semsettin Yesilyurt 07/02/2024



#76

1,4-Dichlorobenzene

Concen: 9.051 ppbv

RT: 16.461 min Scan# 4310

Delta R.T. -0.013 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

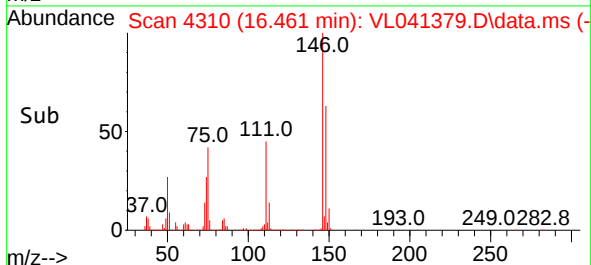
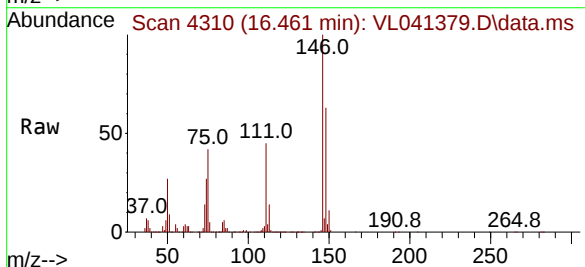
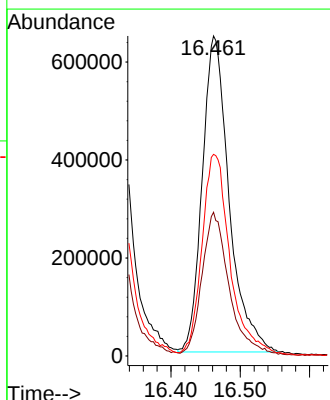
Tgt Ion:146 Resp: 1739685

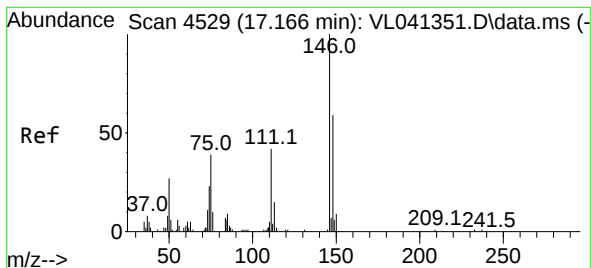
Ion Ratio Lower Upper

146 100

111 46.0 22.9 68.8

148 67.2 32.8 98.3





#77

1,2-Dichlorobenzene

Concen: 8.984 ppbv

RT: 17.133 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 176696

Ion Ratio Lower Upper

146 100

111 48.0 24.1 72.2

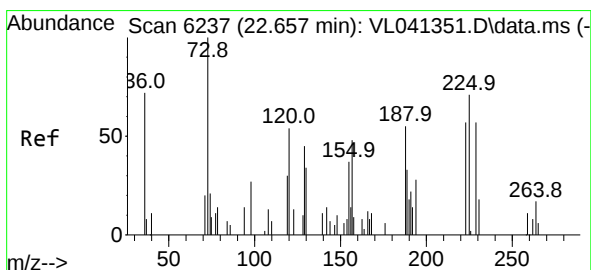
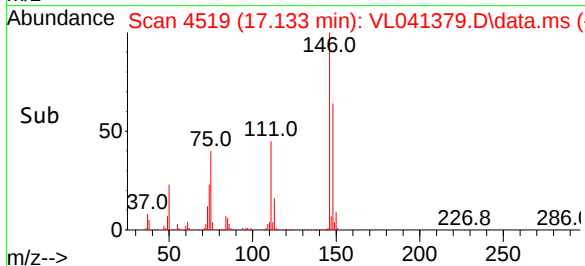
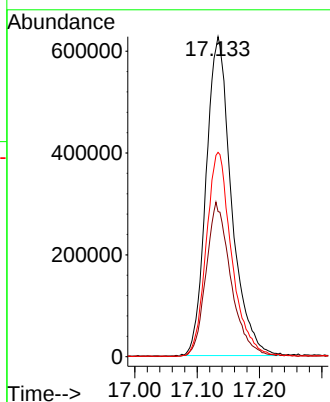
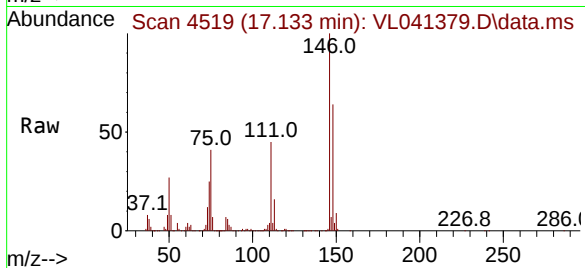
148 64.5 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024

Supervised By :Semsettin Yesilyurt 07/02/2024



#78

Hexachloro-1,3-Butadiene

Concen: 3.111 ppbv

RT: 22.619 min Scan# 6225

Delta R.T. -0.022 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

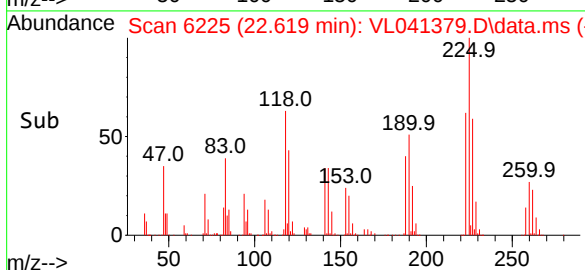
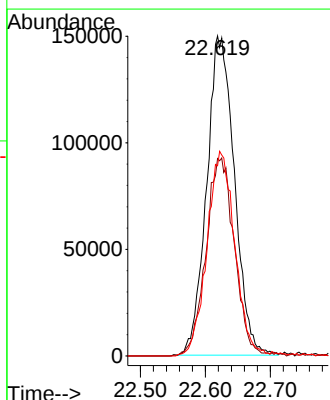
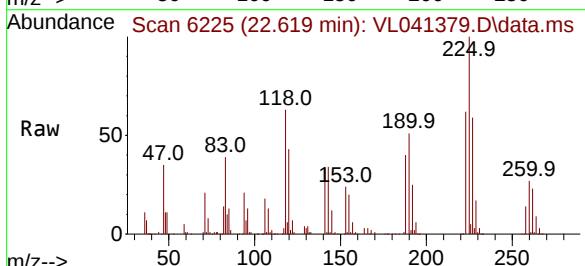
Tgt Ion:225 Resp: 444996

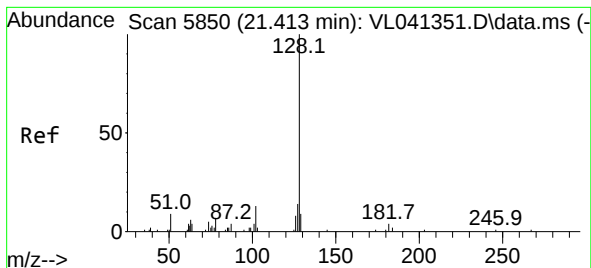
Ion Ratio Lower Upper

225 100

223 63.9 51.3 76.9

227 64.5 51.8 77.8





#79

Naphthalene

Concen: 2.399 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. -0.010 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:128 Resp: 41956

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

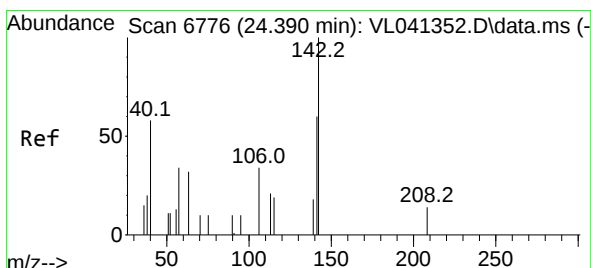
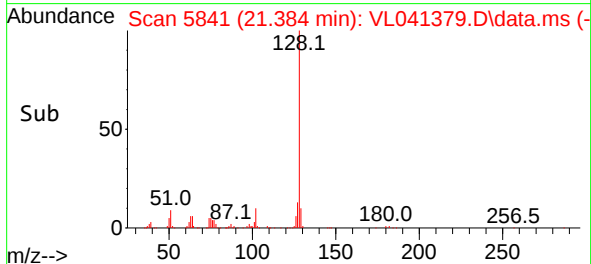
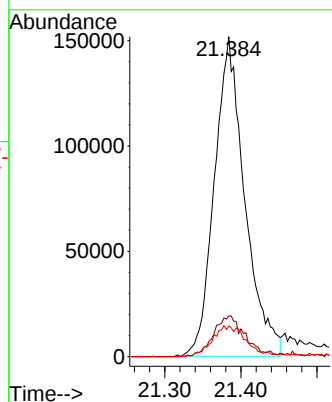
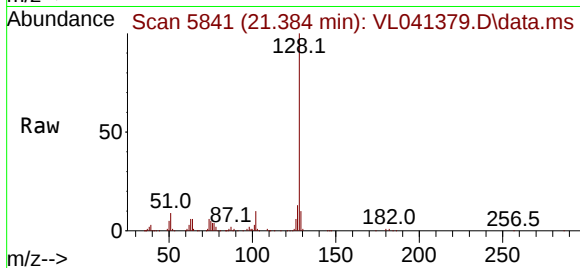
129 9.6 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024

Supervised By :Semsettin Yesilyurt 07/02/2024



#80

Naphthalene,2-methyl-

Concen: 0.074 ppbv

RT: 24.419 min Scan# 6785

Delta R.T. 0.048 min

Lab File: VL041379.D

Acq: 1 Jul 2024 22:35

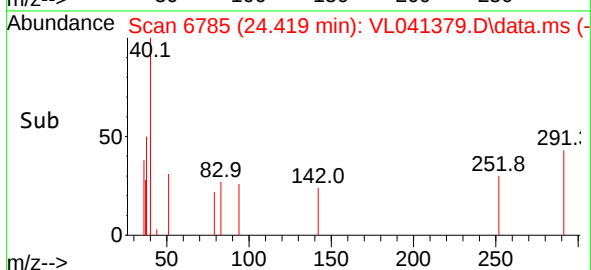
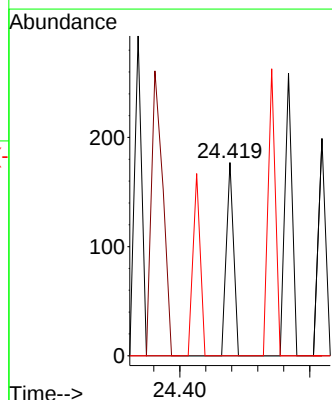
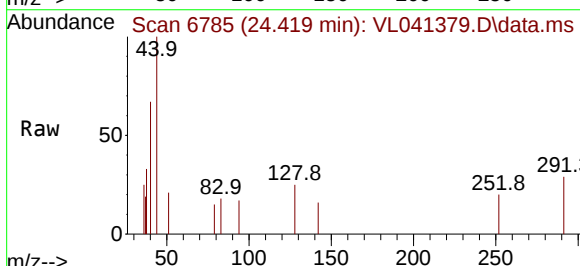
Tgt Ion:142 Resp: 34

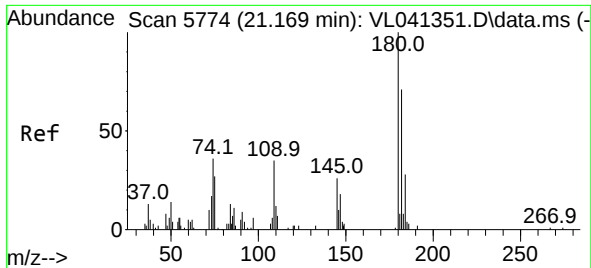
Ion Ratio Lower Upper

142 100

141 235.3 37.9 56.9#

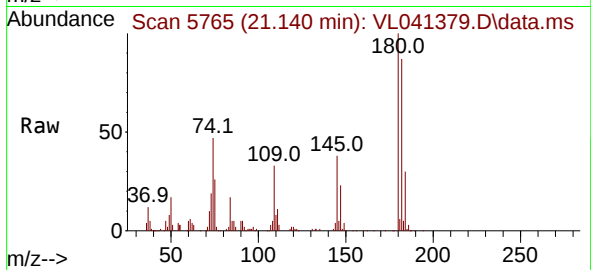
115 0.0 11.0 16.4#





#81  
1,2,4-Trichlorobenzene  
Concen: 3.127 ppbv  
RT: 21.140 min Scan# 51  
Delta R.T. -0.013 min  
Lab File: VL041379.D  
Acq: 1 Jul 2024 22:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:180 Resp: 338040  
Ion Ratio Lower Upper  
180 100  
182 99.0 78.1 117.1  
184 30.5 25.2 37.8

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024  
Supervised By :Semsettin Yesilyurt 07/02/2024

