

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121824\  
 Data File : VL041791.D  
 Acq On : 18 Dec 2024 12:59  
 Operator : SY/MD  
 Sample : MDL 0.4  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

Quant Time: Dec 19 07:53:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Thu Dec 19 07:32:09 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/23/2024  
 Supervised By : Mahesh Dadoda 12/23/2024

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Bromochloromethane         | 2.790  | 49    | 68824    | 10.000   | ppbv       | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.965  | 114   | 176743   | 10.000   | ppbv       | 0.00     |
| 55) Chlorobenzene-d5          | 8.888  | 117   | 149550   | 10.000   | ppbv       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.383 | 95    | 130797   | 10.495   | ppbv       | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | = 105.000% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.557  | 85    | 4488     | 0.366    | ppbv       | 92       |
| 3) Chlorodifluoromethane      | 1.476  | 51    | 4423     | 0.394    | ppbv       | 94       |
| 4) Chloromethane              | 1.534  | 50    | 2126     | 0.444    | ppbv #     | 77       |
| 5) Vinyl Chloride             | 1.583  | 62    | 2003     | 0.415    | ppbv       | 90       |
| 6) Bromomethane               | 1.670  | 94    | 967      | 0.424    | ppbv       | 92       |
| 7) Chloroethane               | 1.706  | 64    | 881      | 0.470    | ppbv       | 98       |
| 8) Dichlorotetrafluoroethane  | 1.557  | 85    | 4488     | 0.409    | ppbv       | 100      |
| 9) Propene                    | 1.483  | 41    | 1669     | 0.343    | ppbv       | 84       |
| 10) Heptane                   | 4.988  | 43    | 1910     | 0.153    | ppbv #     | 29       |
| 11) Trichlorofluoromethane    | 1.881  | 101   | 5717     | 0.440    | ppbv       | 89       |
| 12) 1,1,2-Trichlorotrifluo... | 2.143  | 101   | 4016     | 0.406    | ppbv       | 99       |
| 13) Ethanol                   | 1.725  | 45    | 318      | 0.789    | ppbv       | 97       |
| 14) Bromoethene               | 1.784  | 108   | 1111     | 0.333    | ppbv #     | 81       |
| 15) Acetone                   | 1.839  | 43    | 7438     | 0.555    | ppbv       | 97       |
| 16) 1,3-Butadiene             | 1.612  | 39    | 2316     | 0.439    | ppbv       | 94       |
| 17) tert-Butyl alcohol        | 2.046  | 59    | 5093     | 0.383    | ppbv       | 98       |
| 18) 1,1-Dichloroethene        | 2.036  | 96    | 1706     | 0.411    | ppbv       | 95       |
| 19) Isopropyl Alcohol         | 1.891  | 45    | 3900     | 0.485    | ppbv #     | 38       |
| 20) Methylene Chloride        | 2.065  | 84    | 2219     | 0.581    | ppbv       | 96       |
| 21) Allyl Chloride            | 2.101  | 41    | 2695     | 0.371    | ppbv #     | 75       |
| 22) trans-1,2-Dichloroethene  | 2.344  | 96    | 1966     | 0.414    | ppbv       | 83       |
| 23) Vinyl Acetate             | 2.463  | 43    | 1347     | 0.217    | ppbv #     | 62       |
| 24) 1,1-Dichloroethane        | 2.412  | 63    | 3836     | 0.399    | ppbv       | 98       |
| 25) Ethyl Acetate             | 2.845  | 43    | 7073     | 0.284    | ppbv       | 98       |
| 26) Hexane                    | 2.832  | 57    | 2507     | 0.265    | ppbv #     | 81       |
| 27) Carbon Disulfide          | 2.153  | 76    | 2092     | 0.246    | ppbv #     | 1        |
| 28) Methyl tert-Butyl Ether   | 2.444  | 73    | 2603     | 0.339    | ppbv #     | 85       |
| 29) Chloroform                | 2.855  | 83    | 5796     | 0.402    | ppbv       | 89       |
| 30) Cyclohexane               | 3.868  | 84    | 981      | 0.122    | ppbv #     | 1        |
| 31) cis-1,2-Dichloroethene    | 2.344  | 61    | 3423     | 0.350    | ppbv       | 98       |
| 32) 1,1,1-Trichloroethane     | 3.373  | 97    | 4971     | 0.339    | ppbv       | 94       |
| 34) 2-Butanone                | 2.564  | 43    | 5055     | 0.356    | ppbv       | 100      |
| 35) Carbon Tetrachloride      | 3.768  | 117   | 2637     | 0.210    | ppbv       | 91       |
| 36) Benzene                   | 3.664  | 78    | 5832     | 0.319    | ppbv #     | 92       |
| 37) 1,2-Dichloroethane        | 3.221  | 62    | 4480     | 0.394    | ppbv       | 98       |
| 38) Trichloroethene           | 4.554  | 130   | 2151     | 0.277    | ppbv #     | 72       |
| 39) 1,2-Dichloropropane       | 4.315  | 63    | 879      | 0.133    | ppbv #     | 91       |
| 40) 1,4-Dioxane               | 4.613  | 88    | 238      | 0.074    | ppbv #     | 20       |
| 41) Tetrahydrofuran           | 3.072  | 42    | 1748     | 0.219    | ppbv #     | 87       |
| 42) Bromodichloromethane      | 4.496  | 83    | 2314     | 0.177    | ppbv       | 87       |
| 43) Methyl Methacrylate       | 4.894  | 69    | 1268     | 0.182    | ppbv #     | 77       |
| 44) 2,2,4-Trimethylpentane    | 4.651  | 57    | 5064     | 0.162    | ppbv #     | 42       |
| 45) t-1,3-Dichloropropene     | 6.428  | 75    | 874      | 0.121    | ppbv       | 92       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121824\  
 Data File : VL041791.D  
 Acq On : 18 Dec 2024 12:59  
 Operator : SY/MD  
 Sample : MDL 0.4  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024  
 Supervised By :Mahesh Dadoda 12/23/2024

Quant Time: Dec 19 07:53:04 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|-------|-------|----------|-----|
| 46) cis-1,3-Dichloropropene   | 5.609  | 75   | 1116     | 0.122 | ppbv  | #        | 84  |
| 47) 1,1,2-Trichloroethane     | 6.593  | 97   | 745      | 0.108 | ppbv  | #        | 39  |
| 48) Dibromochloromethane      | 7.396  | 129  | 2502     | 0.265 | ppbv  |          | 92  |
| 49) Bromoform                 | 9.487  | 173  | 1896     | 0.246 | ppbv  |          | 88  |
| 51) 2-Hexanone                | 7.461  | 43   | 3210     | 0.205 | ppbv  | #        | 97  |
| 52) Tetrachloroethene         | 8.238  | 164  | 1144     | 0.168 | ppbv  | #        | 80  |
| 53) Toluene                   | 6.946  | 91   | 2057     | 0.099 | ppbv  | #        | 1   |
| 56) 1,1,1,2-Tetrachloroethane | 8.937  | 131  | 1297     | 0.164 | ppbv  | #        | 1   |
| 57) Chlorobenzene             | 8.927  | 112  | 6147     | 0.402 | ppbv  |          | 95  |
| 58) Ethyl Benzene             | 9.361  | 91   | 6214     | 0.231 | ppbv  |          | 96  |
| 59) m/p-Xylene                | 9.555  | 91   | 4768     | 0.220 | ppbv  | #        | 100 |
| 60) o-Xylene                  | 9.972  | 91   | 4872     | 0.224 | ppbv  |          | 99  |
| 61) Styrene                   | 9.879  | 104  | 2011     | 0.214 | ppbv  |          | 92  |
| 62) Isopropylbenzene          | 10.542 | 105  | 9065     | 0.278 | ppbv  |          | 98  |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83   | 5357     | 0.394 | ppbv  |          | 97  |
| 64) n-propylbenzene           | 10.995 | 120  | 2010     | 0.244 | ppbv  |          | 94  |
| 65) tert-Butylbenzene         | 11.539 | 119  | 6064     | 0.206 | ppbv  |          | 92  |
| 66) Benzyl Chloride           | 11.626 | 91   | 166      | 0.064 | ppbv  | #        | 66  |
| 67) sec-Butylbenzene          | 11.775 | 105  | 9538     | 0.234 | ppbv  |          | 99  |
| 69) p-Isopropyltoluene        | 11.931 | 119  | 7005     | 0.209 | ppbv  |          | 97  |
| 70) n-Butylbenzene            | 12.287 | 91   | 6332     | 0.195 | ppbv  |          | 96  |
| 71) 2-Chlorotoluene           | 10.908 | 91   | 6411     | 0.258 | ppbv  |          | 100 |
| 72) 4-Ethyltoluene            | 11.128 | 105  | 5226     | 0.204 | ppbv  | #        | 96  |
| 73) 1,3,5-Trimethylbenzene    | 11.212 | 105  | 4135     | 0.194 | ppbv  |          | 89  |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 4748     | 0.208 | ppbv  | #        | 95  |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 5507     | 0.378 | ppbv  |          | 98  |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 4576     | 0.318 | ppbv  |          | 97  |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 4756     | 0.339 | ppbv  |          | 98  |
| 78) Hexachloro-1,3-Butadiene  | 13.886 | 225  | 3702     | 0.356 | ppbv  |          | 95  |
| 79) Naphthalene               | 13.517 | 128  | 2048     | 0.129 | ppbv  | #        | 92  |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 1725     | 0.198 | ppbv  |          | 95  |

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

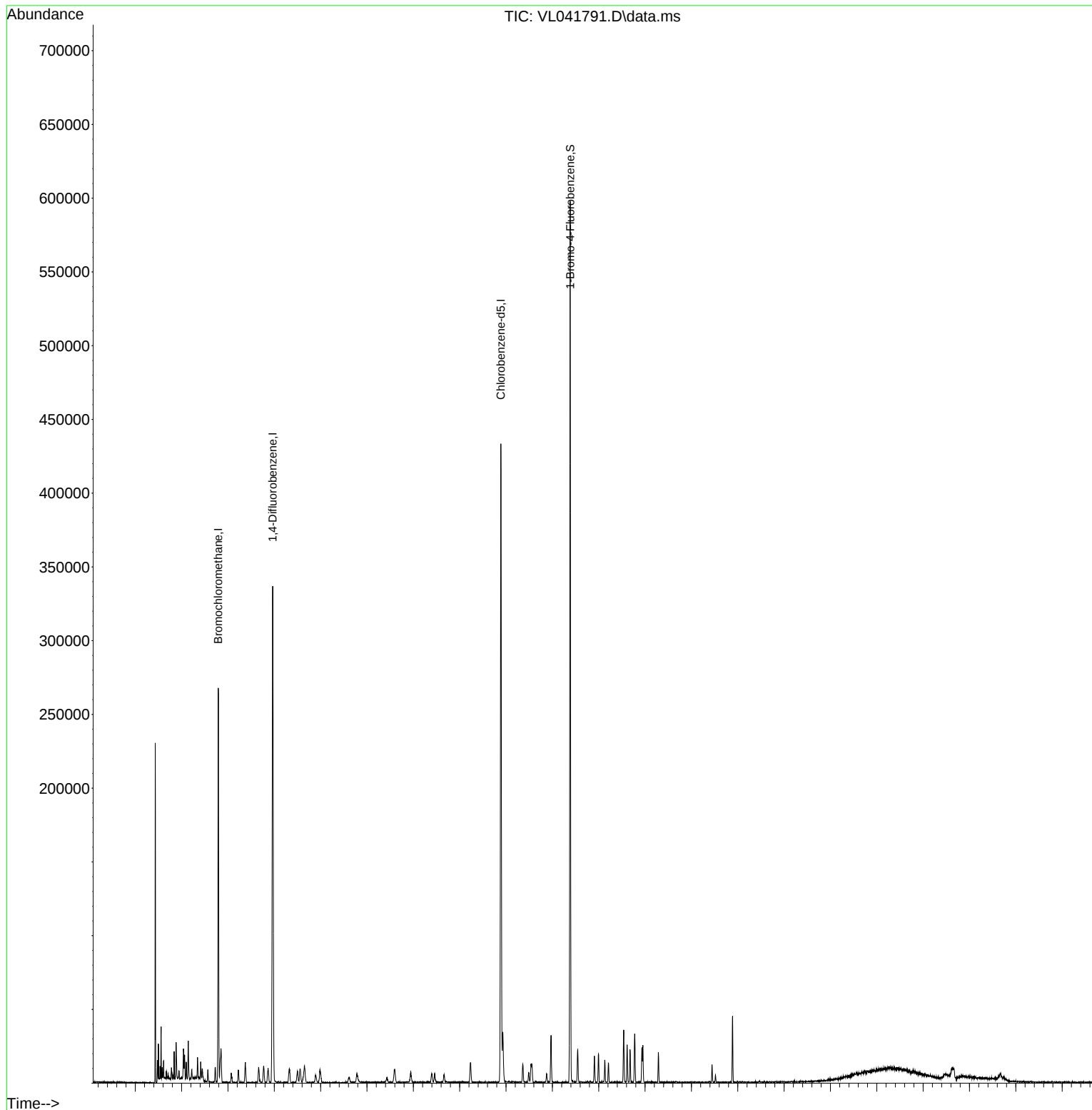
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Data File : VL041791.D  
Acq On : 18 Dec 2024 12:59  
Operator : SY/MD  
Sample : MDL 0.4  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

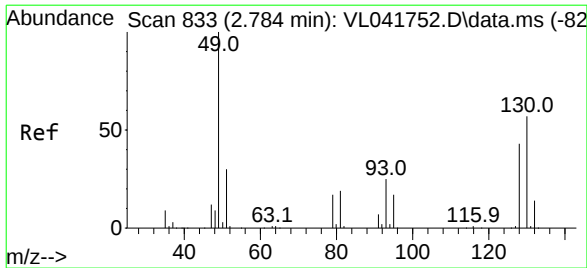
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Quant Time: Dec 19 07:53:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Thu Dec 19 07:32:09 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By : Semsettin Yesilyurt 12/23/2024  
Supervised By : Mahesh Dadoda 12/23/2024





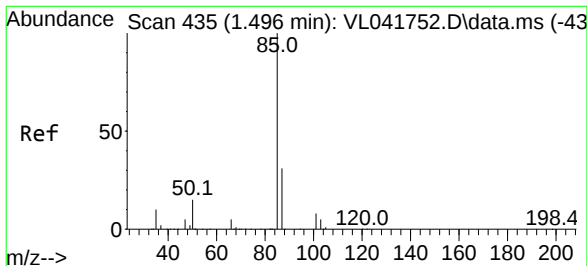
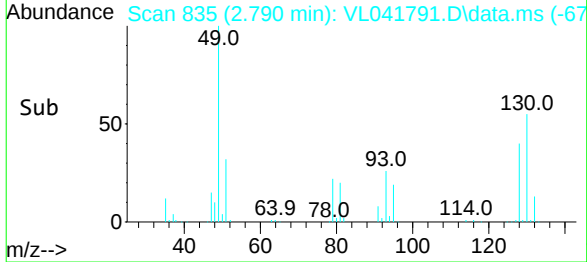
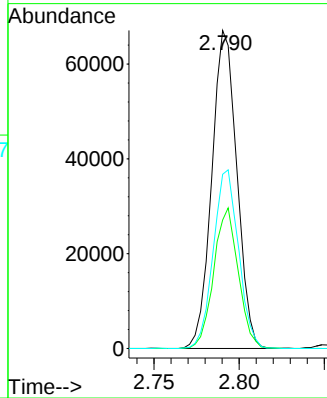
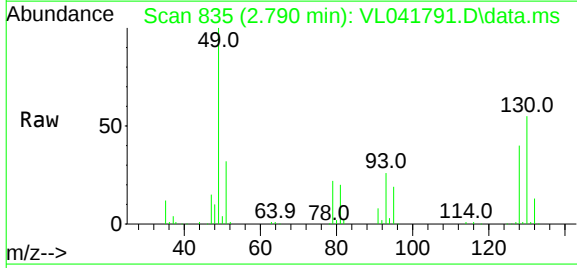
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.790 min Scan# 833  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion: 49 Resp: 68824  
Ion Ratio Lower Upper  
49 100  
128 43.2 21.6 64.6  
130 56.5 28.3 85.0

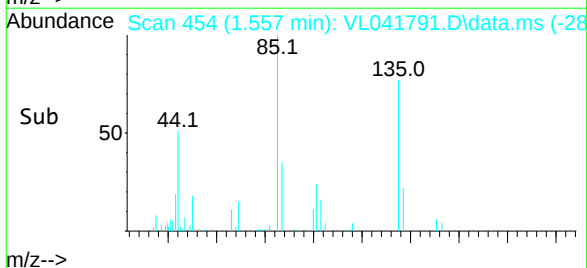
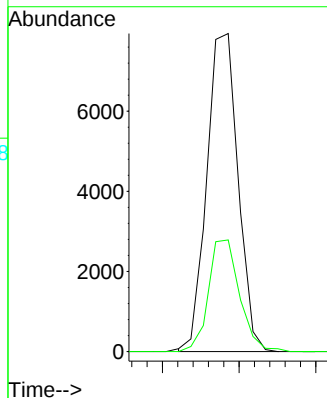
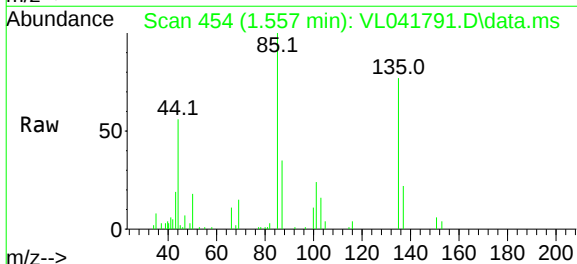
Manual Integrations  
APPROVED

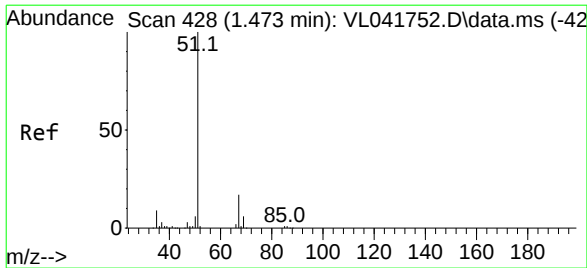
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#2  
Dichlorodifluoromethane  
Concen: 0.366 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. 0.061 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Tgt Ion: 85 Resp: 4488  
Ion Ratio Lower Upper  
85 100  
87 35.1 24.5 36.7





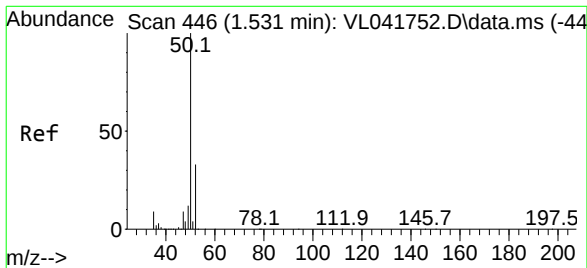
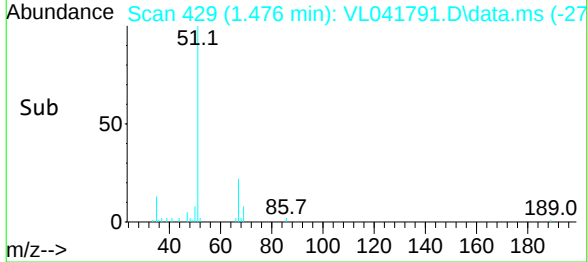
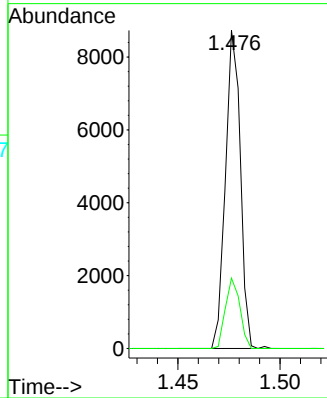
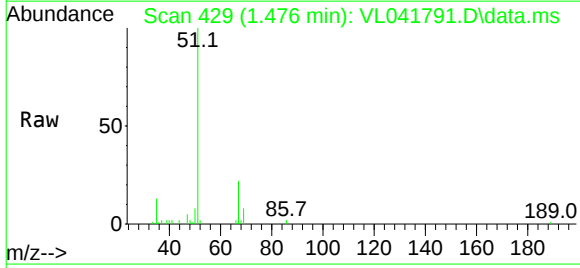
#3  
Chlorodifluoromethane  
Concen: 0.394 ppbv  
RT: 1.476 min Scan# 428  
Delta R.T. 0.003 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion: 51 Resp: 4423  
Ion Ratio Lower Upper  
51 100  
67 21.3 15.0 22.4

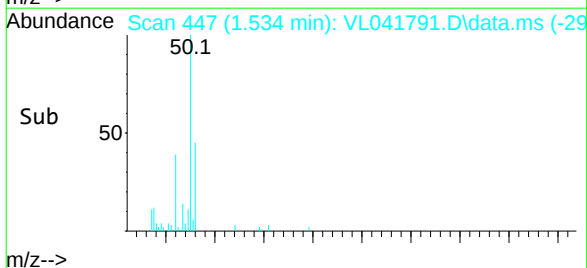
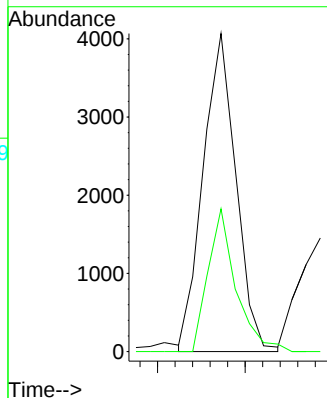
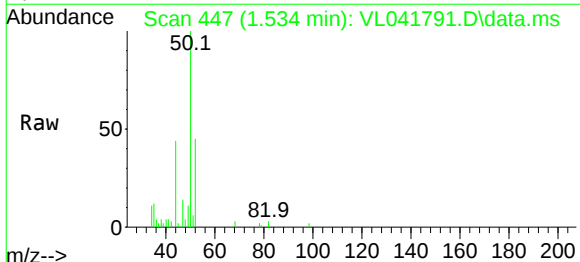
Manual Integrations  
APPROVED

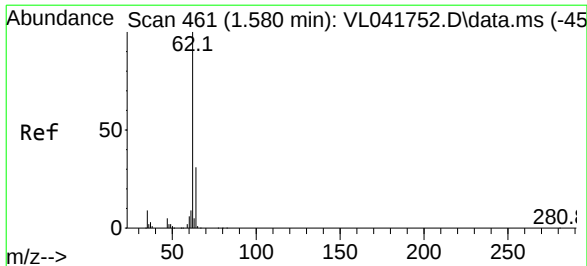
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#4  
Chloromethane  
Concen: 0.444 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. 0.003 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

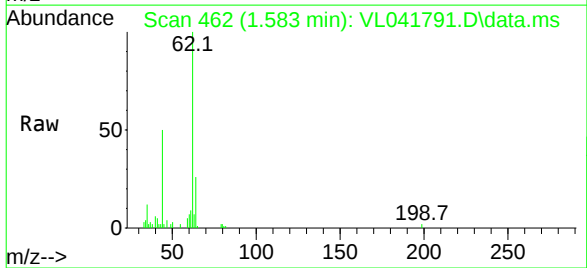
Tgt Ion: 50 Resp: 2126  
Ion Ratio Lower Upper  
50 100  
52 45.5 26.2 39.2#





#5  
 Vinyl Chloride  
 Concen: 0.415 ppbv  
 RT: 1.583 min Scan# 461  
 Delta R.T. 0.003 min  
 Lab File: VL041791.D  
 Acq: 18 Dec 2024 12:59

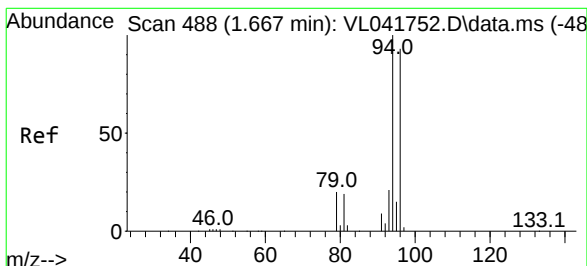
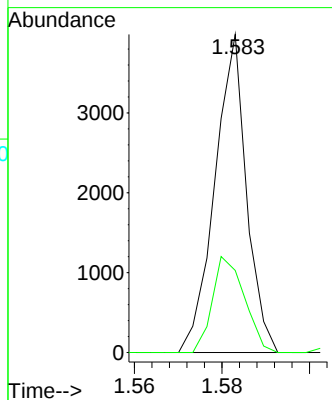
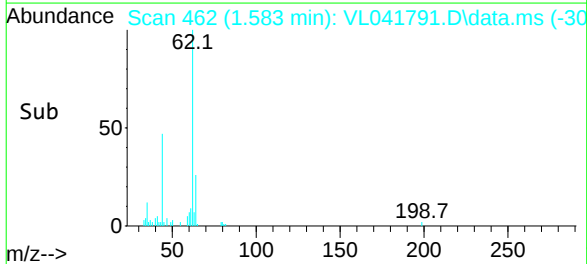
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4



Tgt Ion: 62 Resp: 2003  
 Ion Ratio Lower Upper  
 62 100  
 64 25.8 25.1 37.7

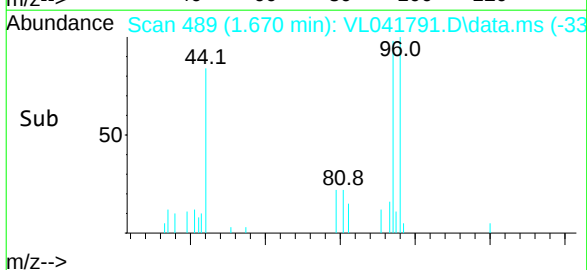
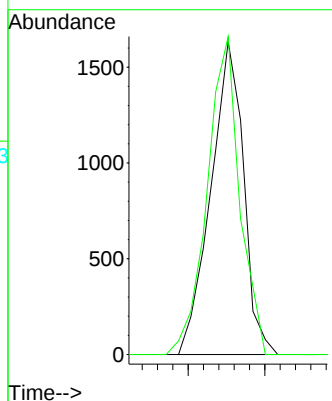
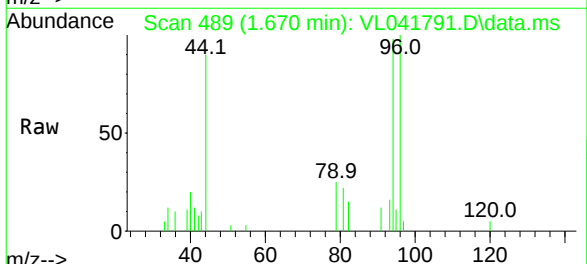
Manual Integrations  
 APPROVED

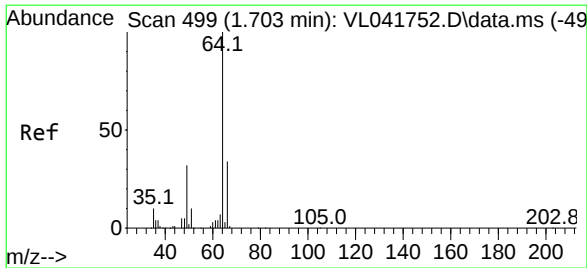
Reviewed By :Semsettin Yesilyurt 12/23/2024  
 Supervised By :Mahesh Dadoda 12/23/2024



#6  
 Bromomethane  
 Concen: 0.424 ppbv  
 RT: 1.670 min Scan# 489  
 Delta R.T. 0.003 min  
 Lab File: VL041791.D  
 Acq: 18 Dec 2024 12:59

Tgt Ion: 94 Resp: 967  
 Ion Ratio Lower Upper  
 94 100  
 96 101.5 74.7 112.1





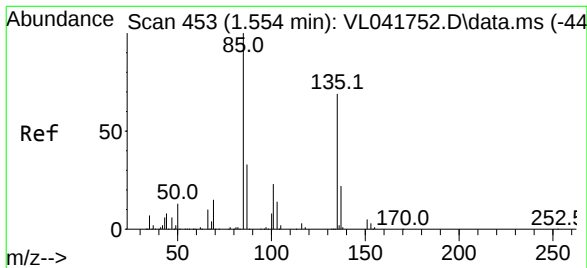
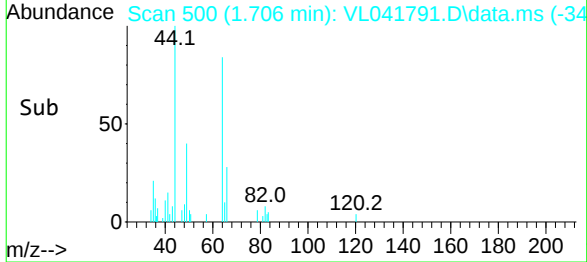
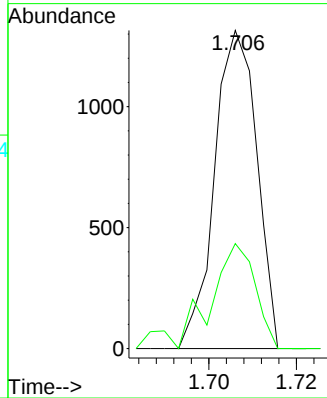
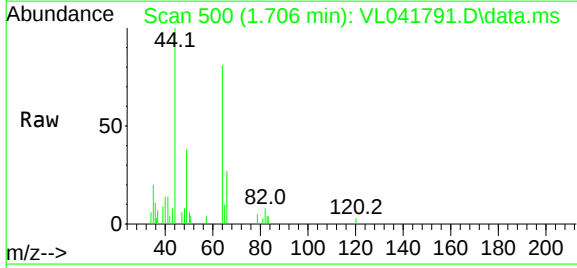
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Chloroethane  
Concen: 0.470 ppbv  
RT: 1.706 min Scan# 501  
Delta R.T. 0.003 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 64      | 100   |       |       |
| 66      | 33.0  | 27.5  | 41.3  |

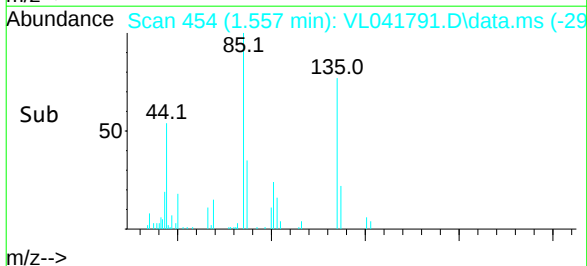
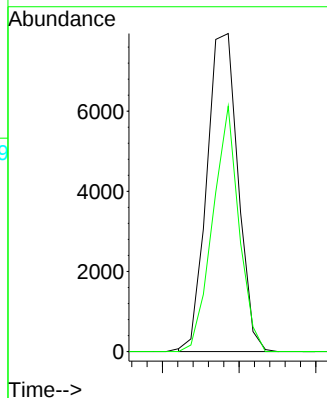
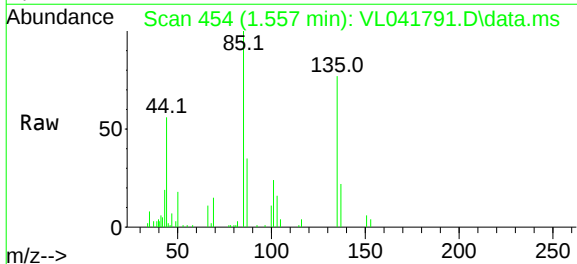
Manual Integrations  
**APPROVED**

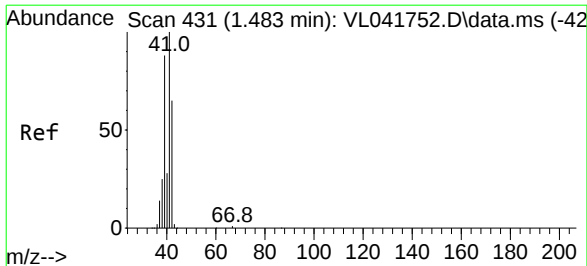
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#8  
Dichlorotetrafluoroethane  
Concen: 0.409 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. 0.003 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

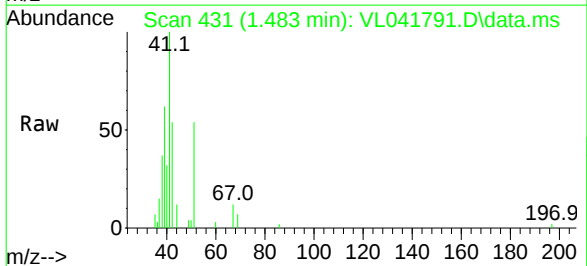
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 135     | 65.0  | 51.9  | 77.9  |





#9  
 Propene  
 Concen: 0.343 ppbv  
 RT: 1.483 min Scan# 431  
 Delta R.T. -0.000 min  
 Lab File: VL041791.D  
 Acq: 18 Dec 2024 12:59

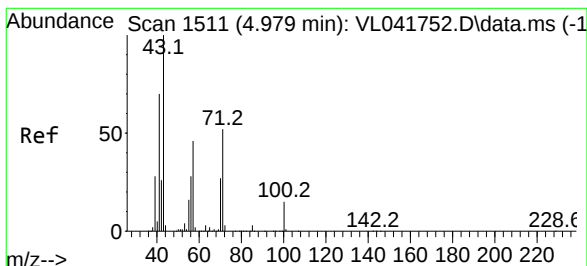
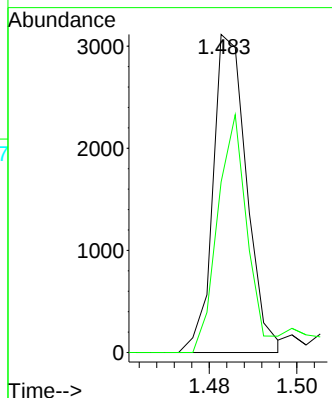
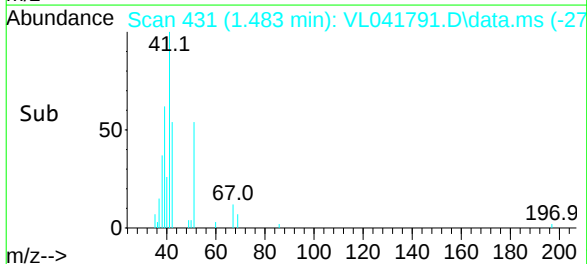
Instrument : MSVOA\_L  
 ClientSampleId : MDL 0.4



Tgt Ion: 41 Resp: 1669  
 Ion Ratio Lower Upper  
 41 100  
 42 77.9 52.4 78.6

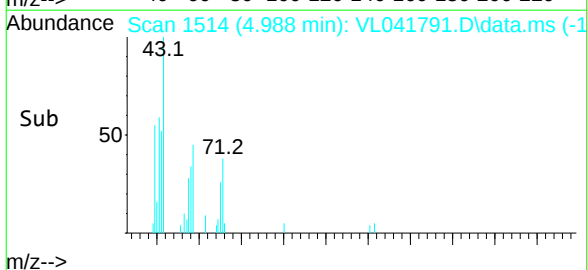
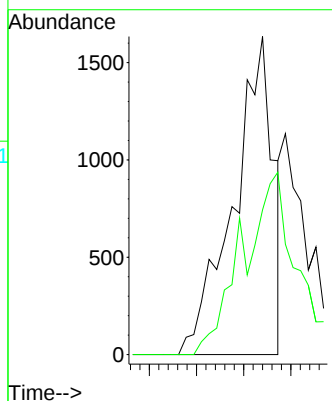
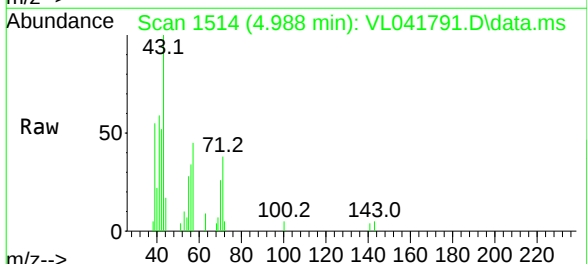
Manual Integrations  
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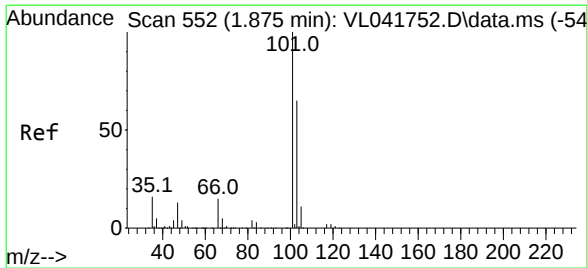
Reviewed By :Semsettin Yesilyurt 12/23/2024  
 Supervised By :Mahesh Dadoda 12/23/2024



#10  
 Heptane  
 Concen: 0.153 ppbv  
 RT: 4.988 min Scan# 1514  
 Delta R.T. 0.009 min  
 Lab File: VL041791.D  
 Acq: 18 Dec 2024 12:59

Tgt Ion: 43 Resp: 1910  
 Ion Ratio Lower Upper  
 43 100  
 57 0.0 38.5 57.7#





#11

Trichlorofluoromethane

Concen: 0.440 ppbv

RT: 1.881 min Scan# 55

Delta R.T. 0.006 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

Tgt Ion:101 Resp: 5717

Ion Ratio Lower Upper

101 100

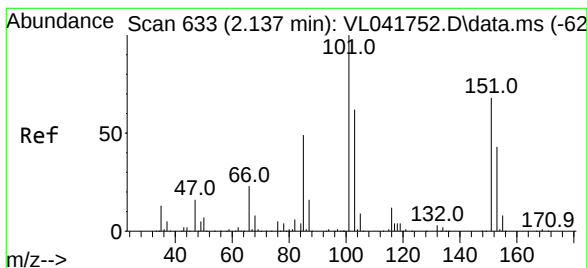
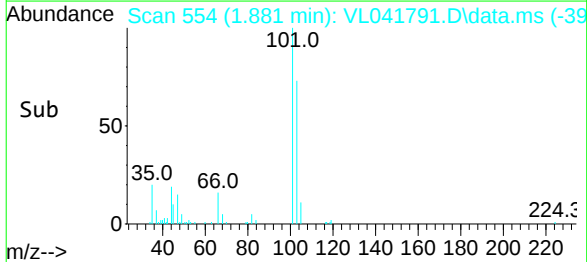
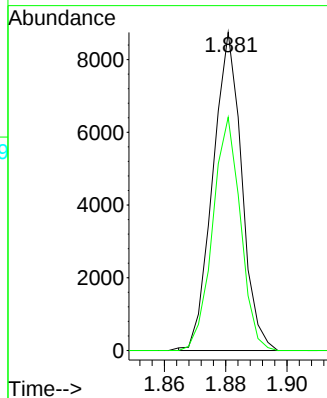
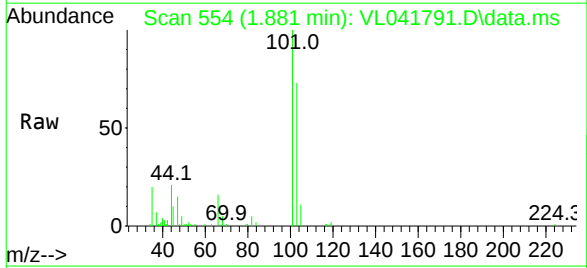
103 73.3 51.8 77.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/23/2024

Supervised By :Mahesh Dadoda 12/23/2024



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.406 ppbv

RT: 2.143 min Scan# 635

Delta R.T. 0.006 min

Lab File: VL041791.D

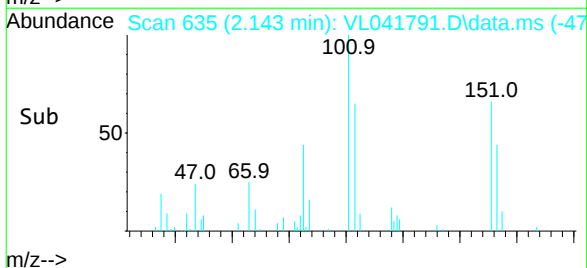
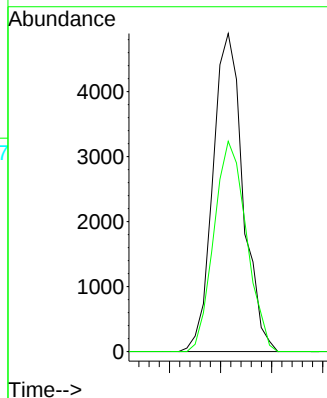
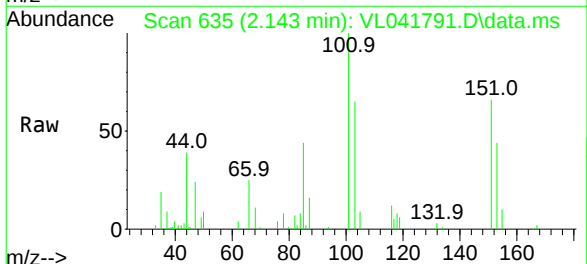
Acq: 18 Dec 2024 12:59

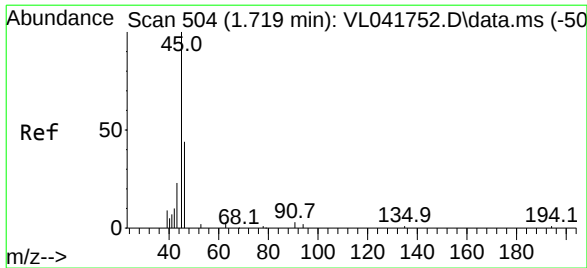
Tgt Ion:101 Resp: 4016

Ion Ratio Lower Upper

101 100

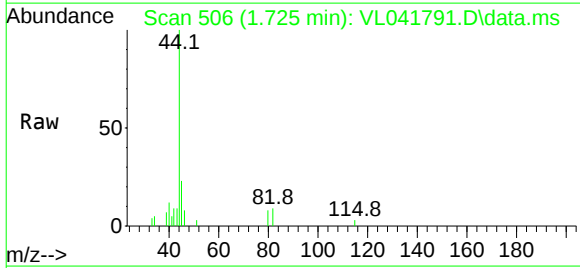
151 71.4 56.8 85.2





#13  
Ethanol  
Concen: 0.789 ppbv  
RT: 1.725 min Scan# 504  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

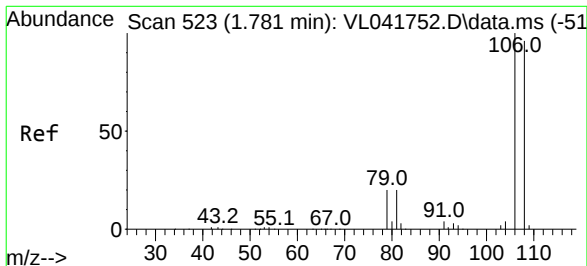
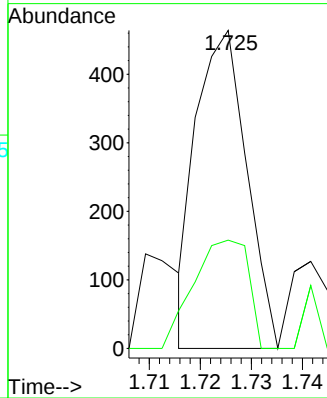
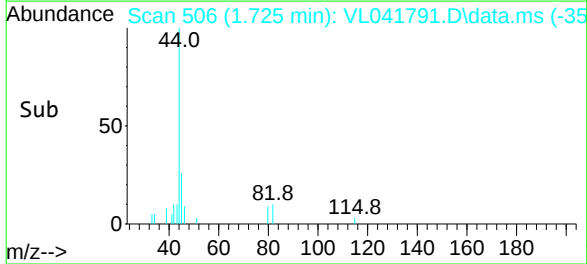
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



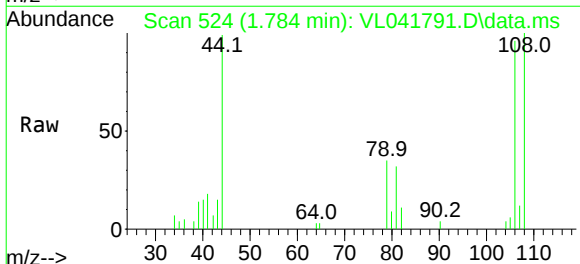
Tgt Ion: 45 Resp: 318  
Ion Ratio Lower Upper  
45 100  
46 42.8 16.4 65.8

Manual Integrations  
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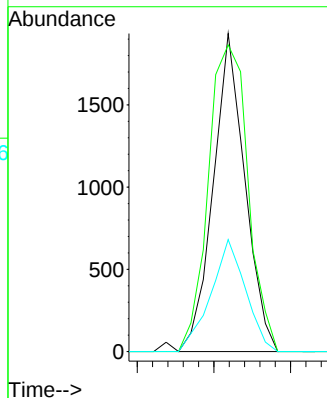
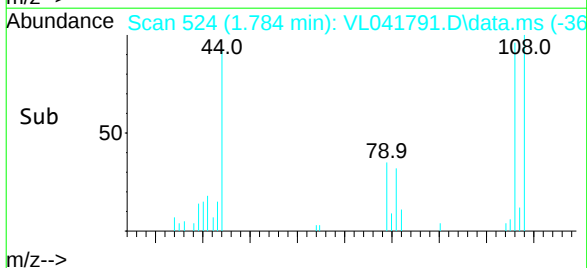
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024

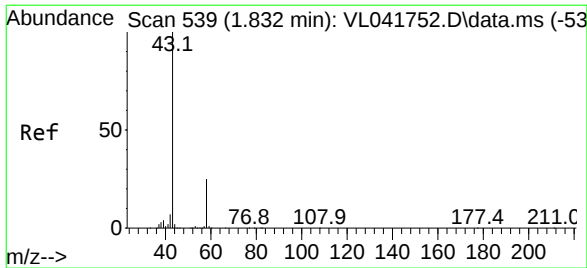


#14  
Bromoethene  
Concen: 0.333 ppbv  
RT: 1.784 min Scan# 524  
Delta R.T. 0.003 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59



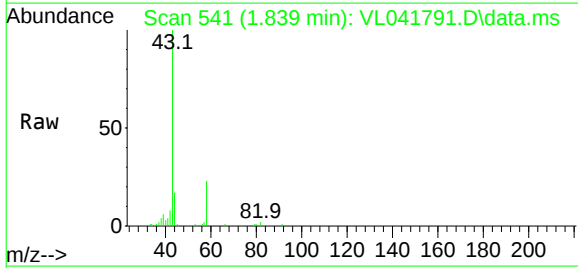
Tgt Ion:108 Resp: 1111  
Ion Ratio Lower Upper  
108 100  
106 120.6 84.1 126.1  
79 39.8 17.4 26.0#





#15  
Acetone  
Concen: 0.555 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

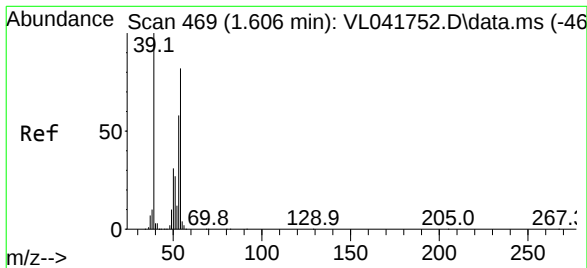
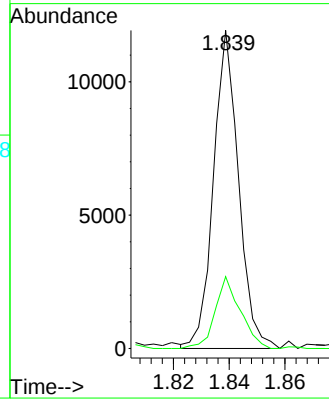
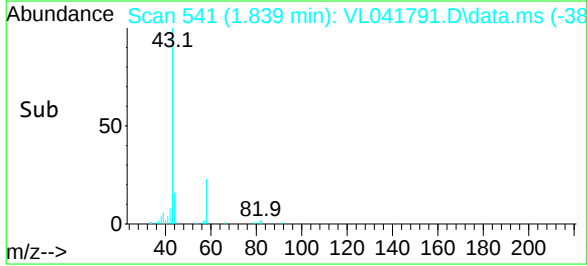
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



Tgt Ion: 43 Resp: 7438  
Ion Ratio Lower Upper  
43 100  
58 23.0 19.7 29.5

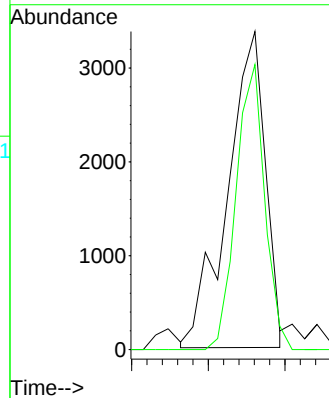
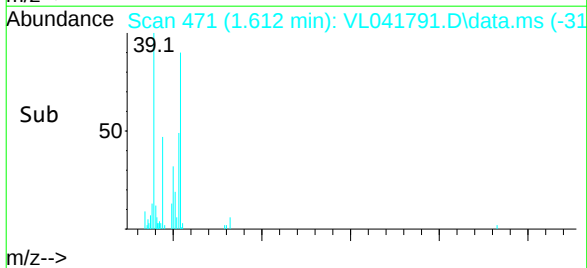
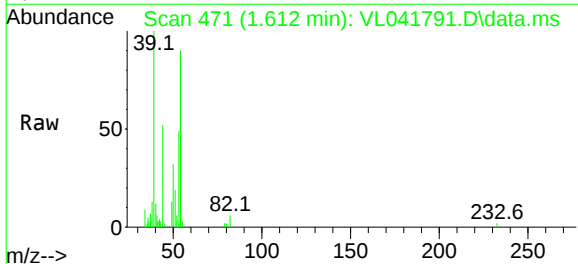
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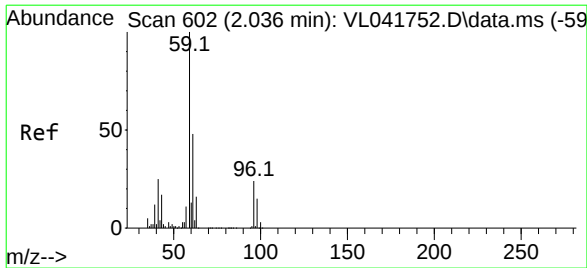
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#16  
1,3-Butadiene  
Concen: 0.439 ppbv  
RT: 1.612 min Scan# 471  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Tgt Ion: 39 Resp: 2316  
Ion Ratio Lower Upper  
39 100  
54 67.8 58.4 87.6





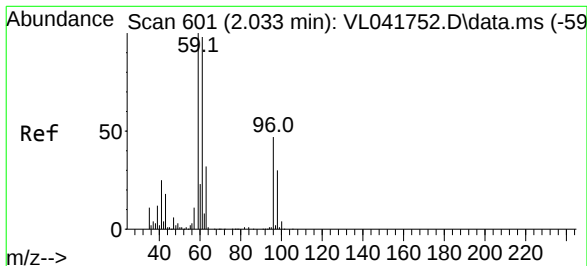
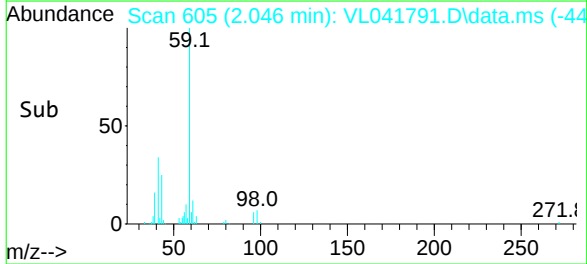
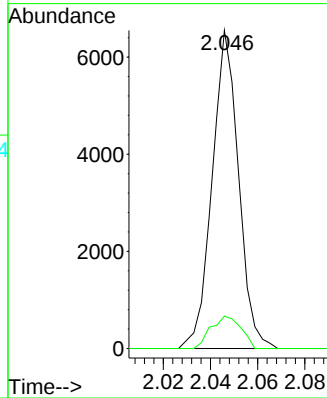
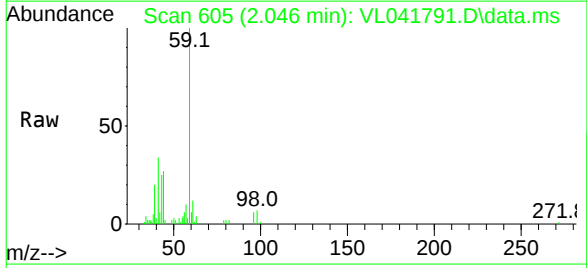
#17  
tert-Butyl alcohol  
Concen: 0.383 ppbv  
RT: 2.046 min Scan# 602  
Delta R.T. 0.010 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.6  | 8.6   | 13.0  |

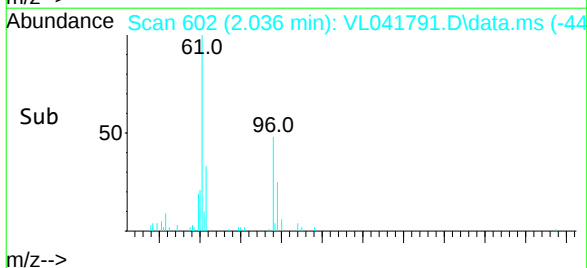
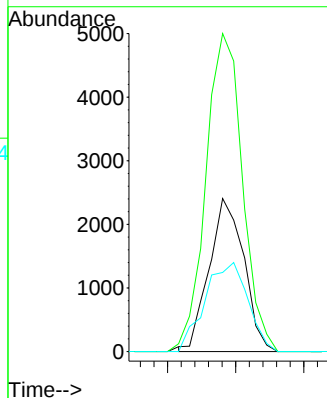
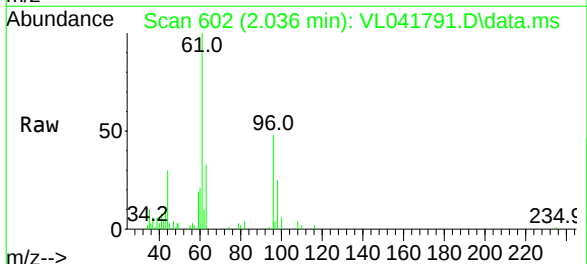
Manual Integrations  
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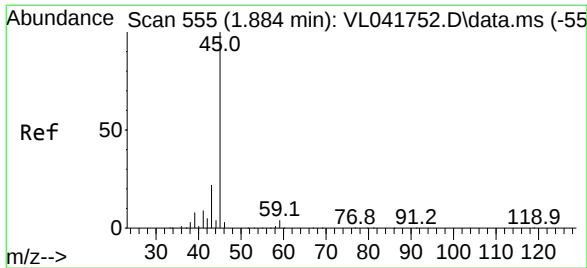
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#18  
1,1-Dichloroethene  
Concen: 0.411 ppbv  
RT: 2.036 min Scan# 602  
Delta R.T. 0.003 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

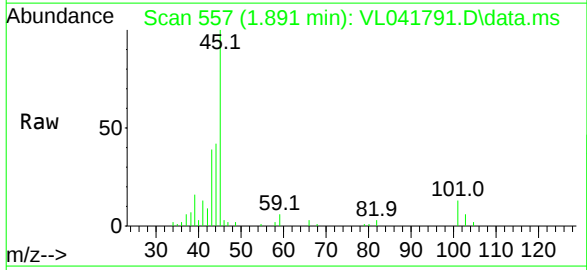
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 207.8 | 167.7 | 251.5 |
| 98      | 51.7  | 51.1  | 76.7  |





#19  
Isopropyl Alcohol  
Concen: 0.485 ppbv  
RT: 1.891 min Scan# 555  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

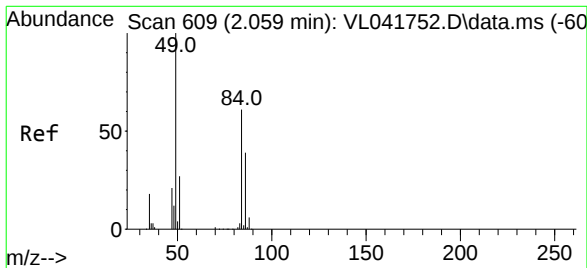
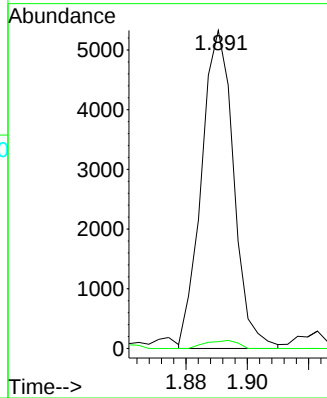
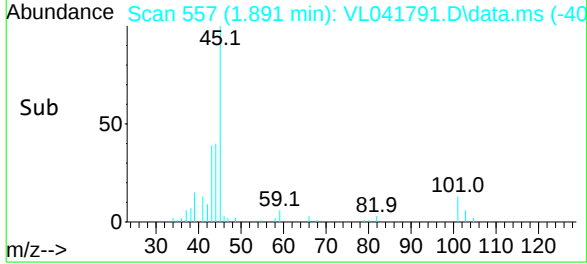
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



Tgt Ion: 45 Resp: 3900  
Ion Ratio Lower Upper  
45 100  
58 2.5 33.3 49.9

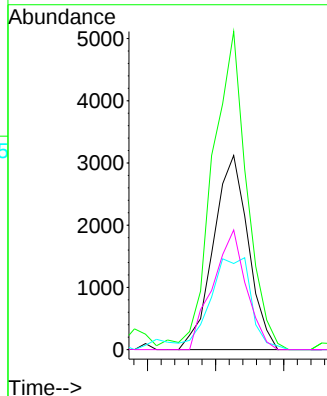
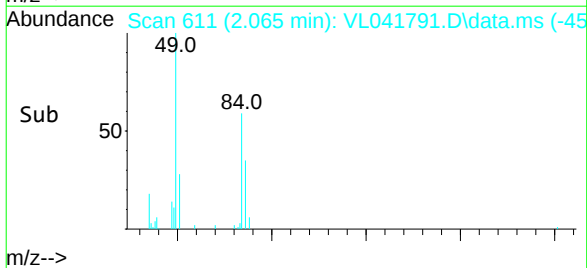
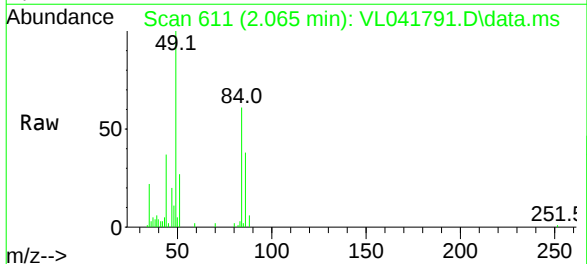
Manual Integrations  
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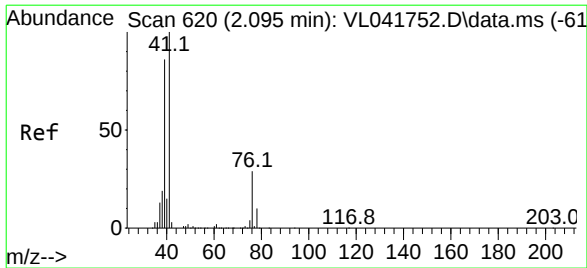
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#20  
Methylene Chloride  
Concen: 0.581 ppbv  
RT: 2.065 min Scan# 611  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

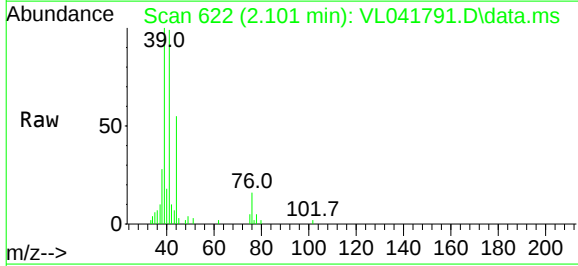
Tgt Ion: 84 Resp: 2219  
Ion Ratio Lower Upper  
84 100  
49 160.7 132.6 198.8  
51 42.4 37.6 56.4  
86 61.6 51.4 77.0





#21  
 Allyl Chloride  
 Concen: 0.371 ppbv  
 RT: 2.101 min Scan# 621  
 Delta R.T. 0.006 min  
 Lab File: VL041791.D  
 Acq: 18 Dec 2024 12:59

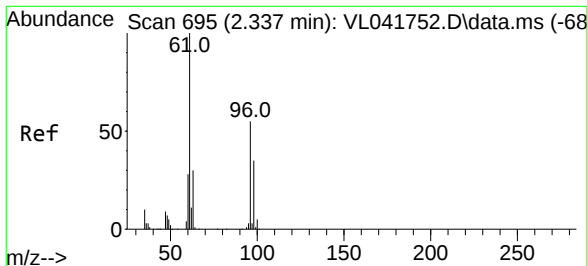
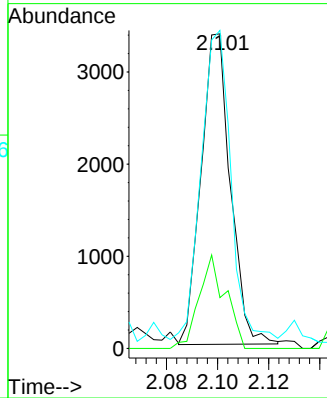
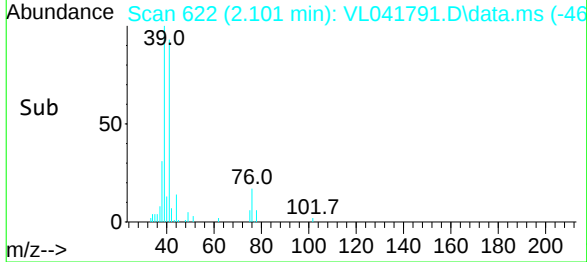
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4



Tgt Ion: 41 Resp: 2695  
 Ion Ratio Lower Upper  
 41 100  
 76 27.0 22.3 33.5  
 39 116.7 69.2 103.8#

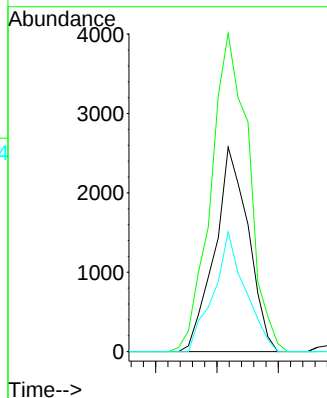
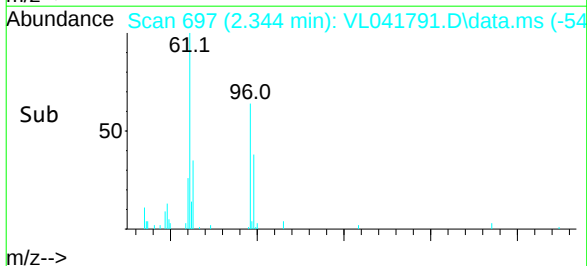
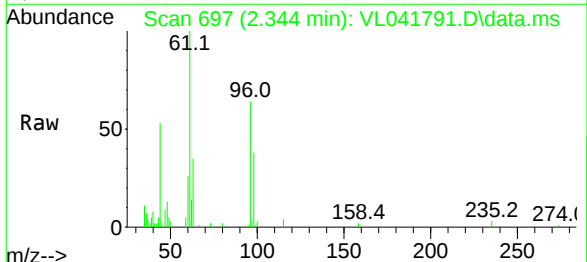
Manual Integrations  
 APPROVED

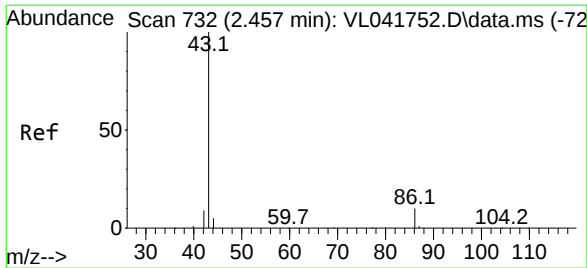
Reviewed By :Semsettin Yesilyurt 12/23/2024  
 Supervised By :Mahesh Dadoda 12/23/2024



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.414 ppbv  
 RT: 2.344 min Scan# 697  
 Delta R.T. 0.006 min  
 Lab File: VL041791.D  
 Acq: 18 Dec 2024 12:59

Tgt Ion: 96 Resp: 1966  
 Ion Ratio Lower Upper  
 96 100  
 61 153.5 146.3 219.5  
 98 58.5 50.8 76.2





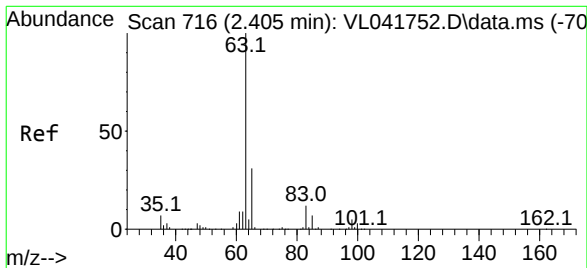
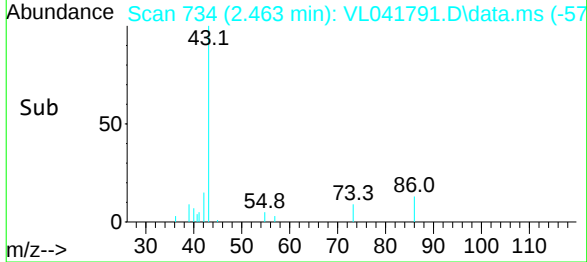
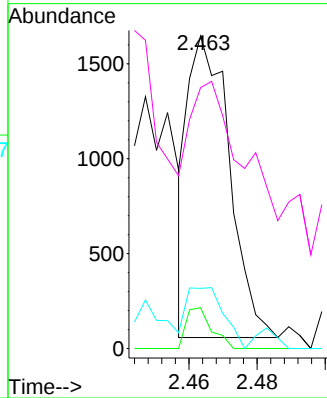
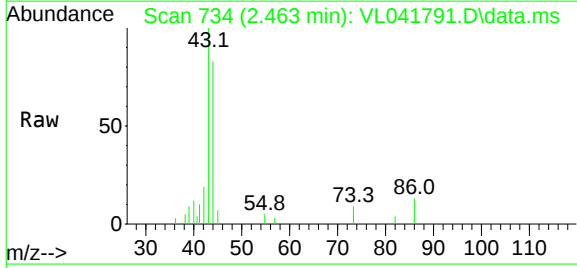
#23  
 Vinyl Acetate  
 Concen: 0.217 ppbv  
 RT: 2.463 min Scan# 732  
 Delta R.T. 0.006 min  
 Lab File: VL041791.D  
 Acq: 18 Dec 2024 12:59

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 13.5  | 6.6   | 10.0# |
| 42      | 14.7  | 8.2   | 12.2# |
| 44      | 44.1  | 5.0   | 7.4#  |

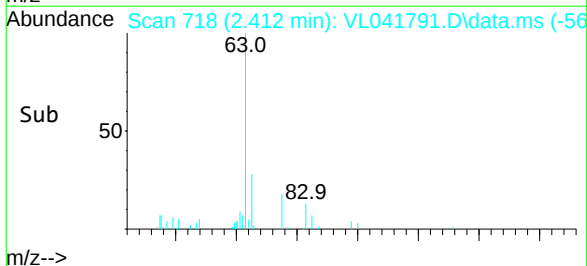
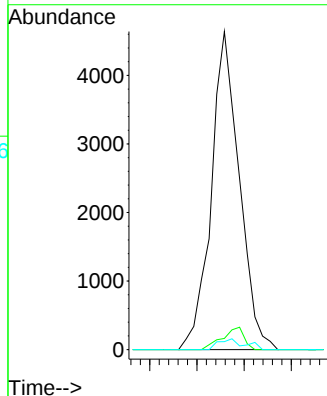
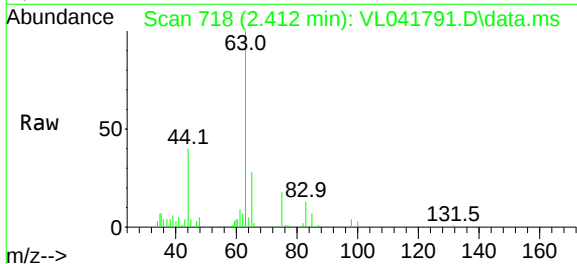
Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024  
 Supervised By :Mahesh Dadoda 12/23/2024

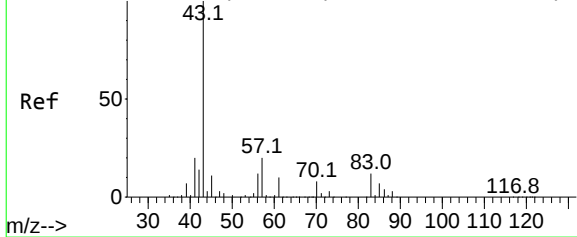


#24  
 1,1-Dichloroethane  
 Concen: 0.399 ppbv  
 RT: 2.412 min Scan# 718  
 Delta R.T. 0.006 min  
 Lab File: VL041791.D  
 Acq: 18 Dec 2024 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 3.5   | 2.3   | 6.8   |
| 100     | 2.5   | 1.4   | 4.2   |



Abundance Scan 848 (2.833 min): VL041752.D\data.ms (-83



#25

Ethyl Acetate

Concen: 0.284 ppbv

RT: 2.845 min Scan# 852

Delta R.T. 0.013 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

Tgt Ion: 43 Resp: 7073

Ion Ratio Lower Upper

43 100

45 11.7 8.1 12.1

61 9.1 7.0 10.6

70 8.6 6.5 9.7

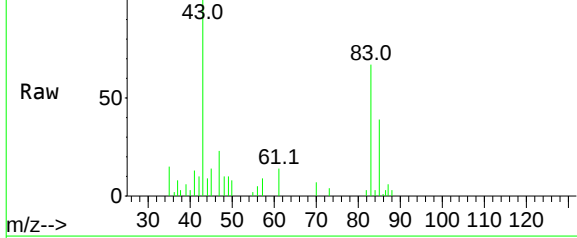
Manual Integrations

APPROVED

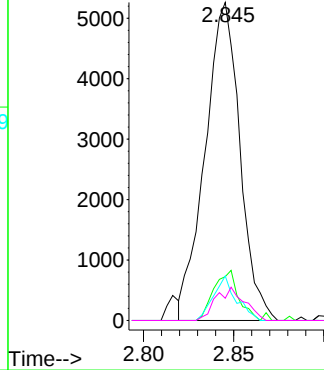
Reviewed By :Semsettin Yesilyurt 12/23/2024

Supervised By :Mahesh Dadoda 12/23/2024

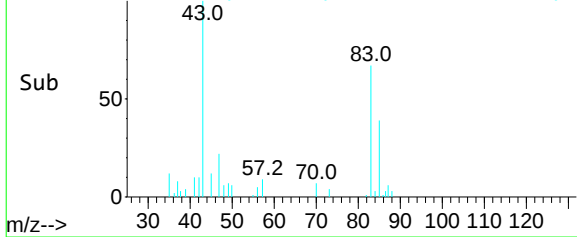
Abundance Scan 852 (2.845 min): VL041791.D\data.ms



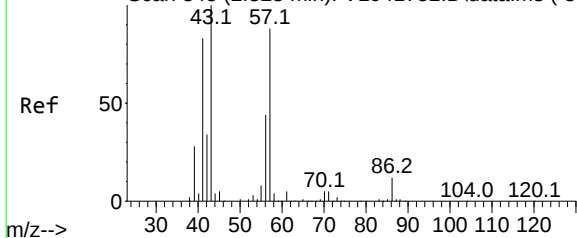
Abundance



Abundance Scan 852 (2.845 min): VL041791.D\data.ms (-69



Abundance Scan 845 (2.823 min): VL041752.D\data.ms (-83



#26

Hexane

Concen: 0.265 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.009 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

Tgt Ion: 57 Resp: 2507

Ion Ratio Lower Upper

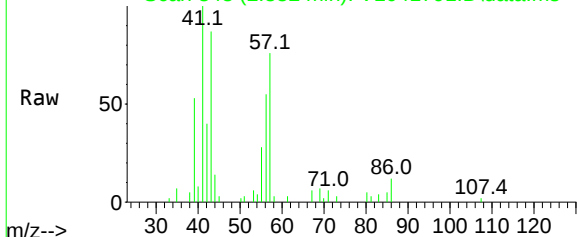
57 100

41 130.0 79.6 119.4#

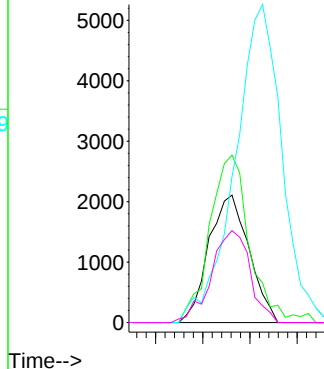
43 290.2 211.0 316.6

56 69.2 42.6 63.8#

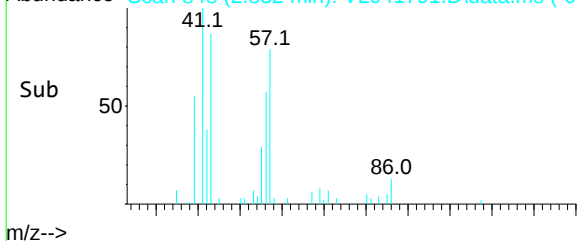
Abundance Scan 848 (2.832 min): VL041791.D\data.ms

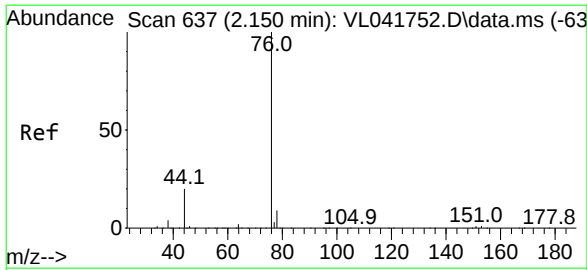


Abundance



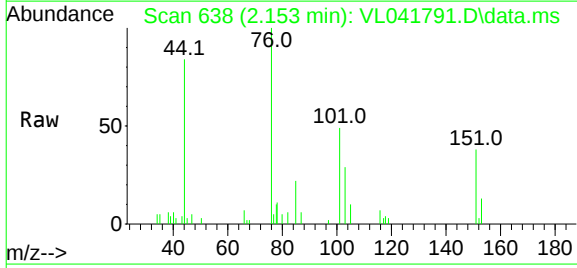
Abundance Scan 848 (2.832 min): VL041791.D\data.ms (-69





#27  
Carbon Disulfide  
Concen: 0.246 ppbv  
RT: 2.153 min Scan# 637  
Delta R.T. 0.003 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

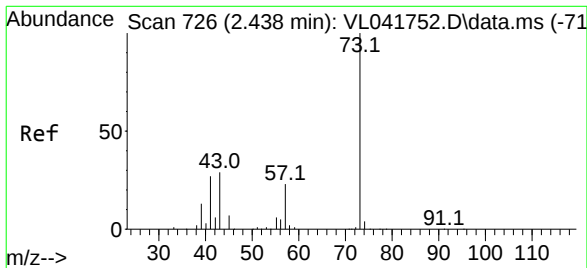
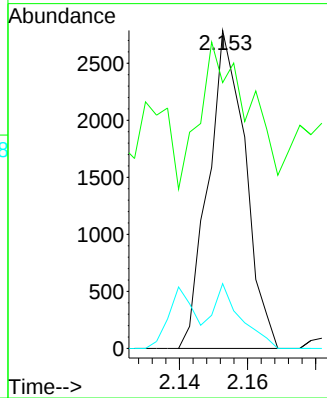
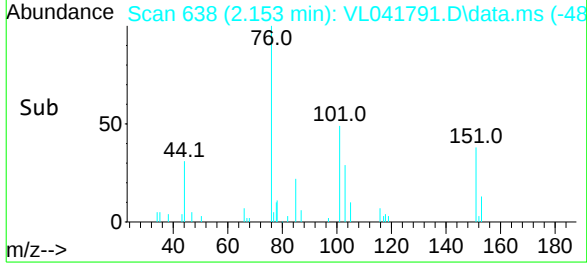
Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4



Tgt Ion: 76 Resp: 2092  
Ion Ratio Lower Upper  
76 100  
44 148.8 17.6 26.4#  
78 28.9 10.2 15.4#

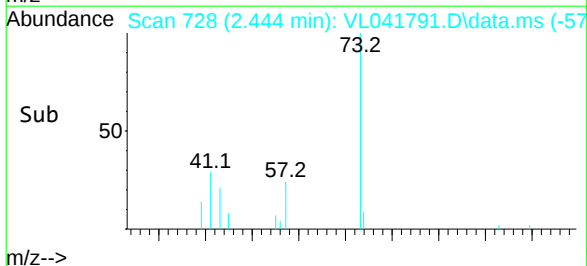
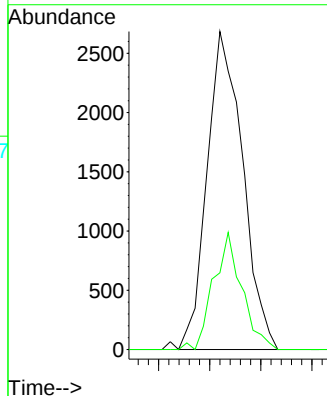
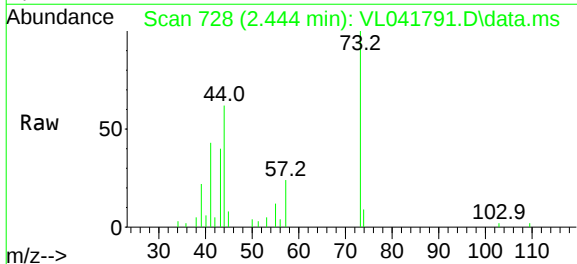
Manual Integrations  
APPROVED

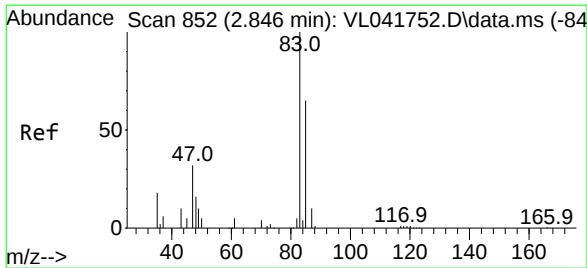
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#28  
Methyl tert-Butyl Ether  
Concen: 0.339 ppbv  
RT: 2.444 min Scan# 728  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Tgt Ion: 73 Resp: 2603  
Ion Ratio Lower Upper  
73 100  
57 29.2 17.6 26.4#





#29

Chloroform

Concen: 0.402 ppbv

RT: 2.855 min Scan# 85

Delta R.T. 0.009 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

Tgt Ion: 83 Resp: 5796

Ion Ratio Lower Upper

83 100

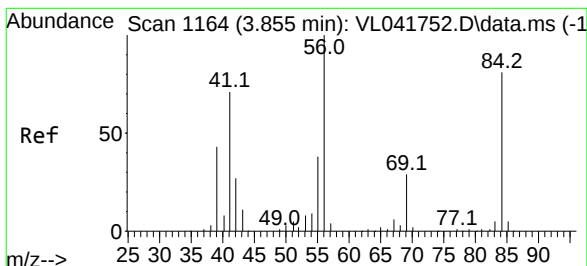
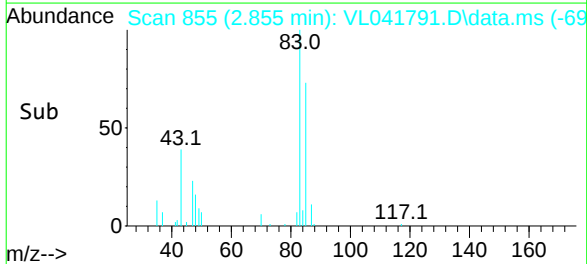
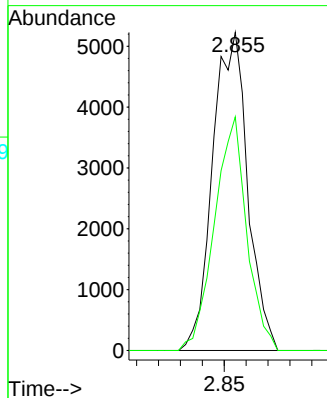
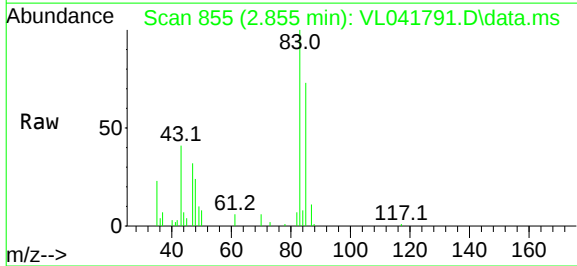
85 73.5 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024

Supervised By :Mahesh Dadoda 12/23/2024



#30

Cyclohexane

Concen: 0.122 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.013 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

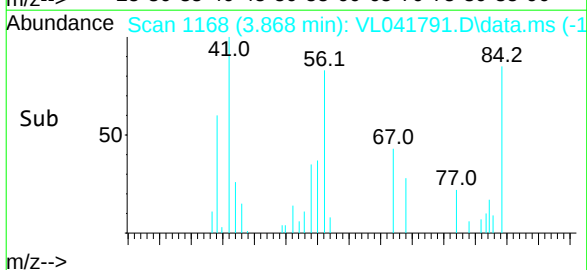
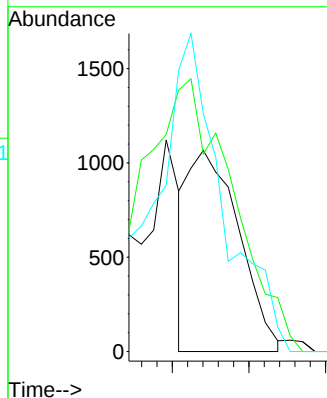
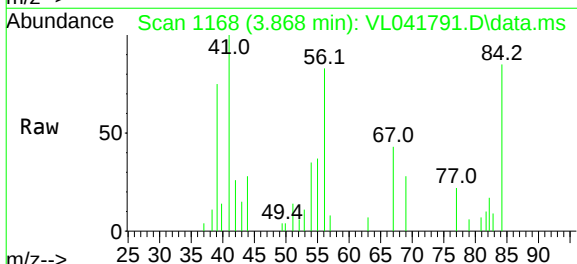
Tgt Ion: 84 Resp: 981

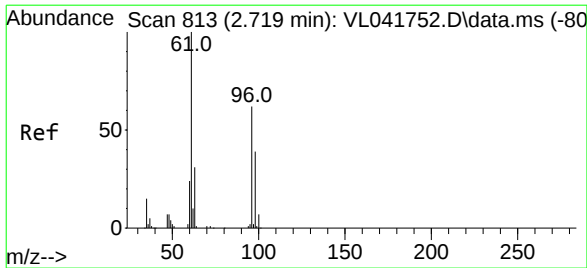
Ion Ratio Lower Upper

84 100

56 246.2 102.3 153.5#

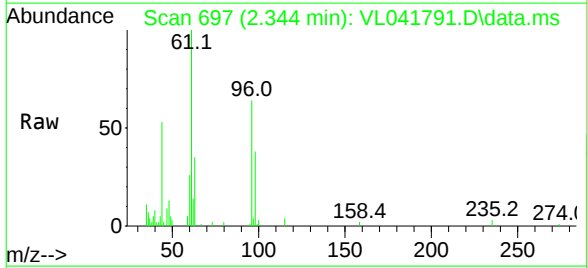
41 222.8 74.0 111.0#





#31  
cis-1,2-Dichloroethene  
Concen: 0.350 ppbv  
RT: 2.344 min Scan# 69  
Delta R.T. -0.376 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

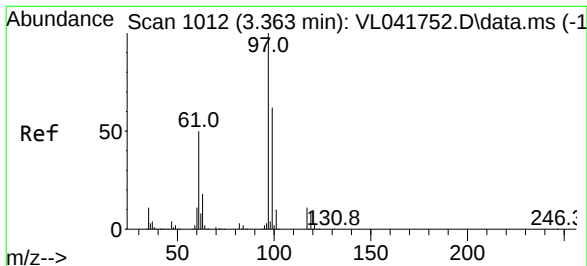
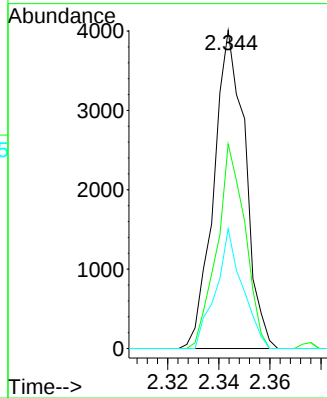
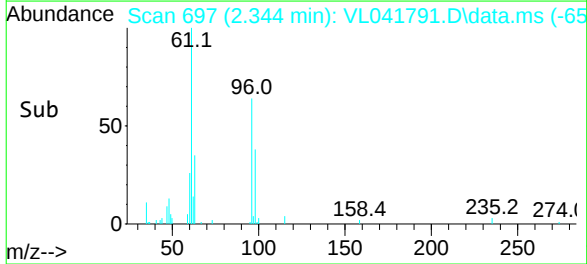
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



| Tgt Ion: | 61    | Resp: | 3423  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 61       | 100   |       |       |
| 96       | 64.3  | 49.7  | 74.5  |
| 98       | 37.6  | 30.8  | 46.2  |

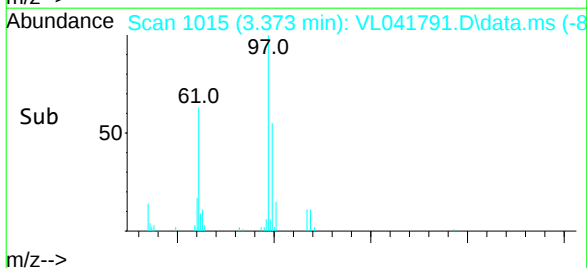
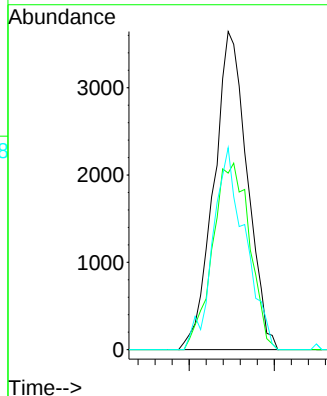
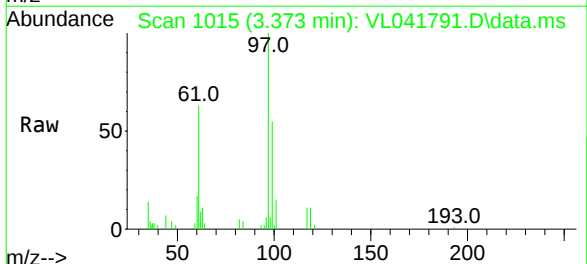
Manual Integrations  
APPROVED

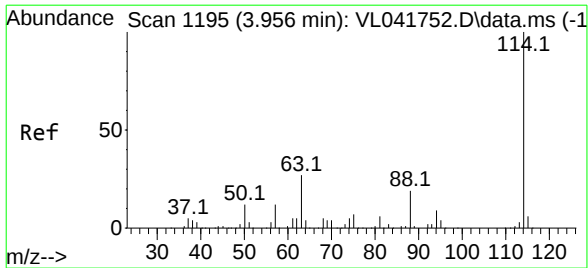
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#32  
1,1,1-Trichloroethane  
Concen: 0.339 ppbv  
RT: 3.373 min Scan# 1015  
Delta R.T. 0.009 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

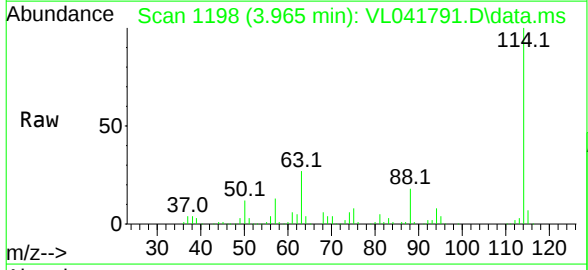
| Tgt Ion: | 97    | Resp: | 4971  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.1  | 51.0  | 76.4  |
| 61       | 61.3  | 42.2  | 63.2  |





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.965 min Scan# 1198  
Delta R.T. 0.009 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

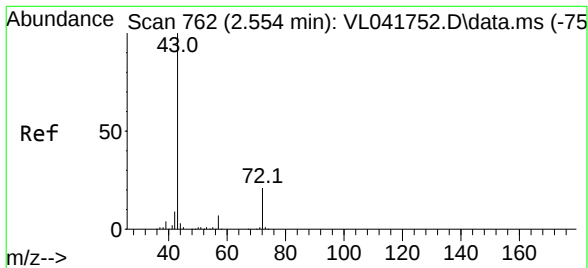
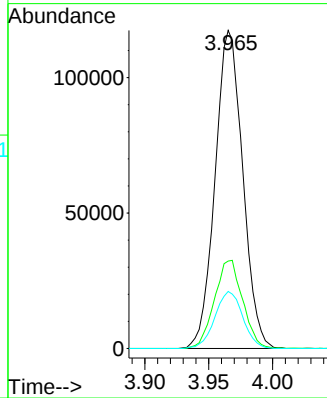
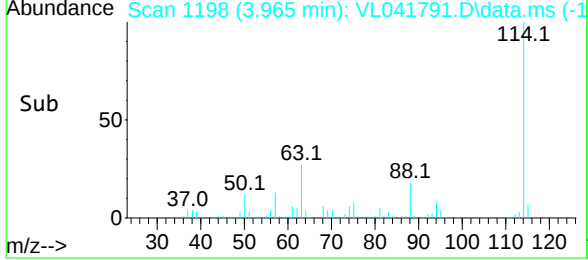
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



Tgt Ion: 114 Resp: 176743  
Ion Ratio Lower Upper  
114 100  
63 28.4 21.8 32.8  
88 18.0 14.8 22.2

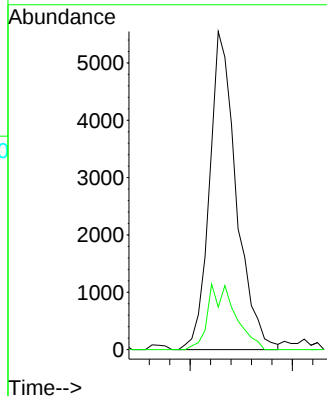
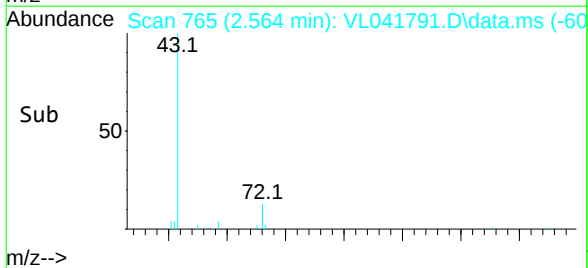
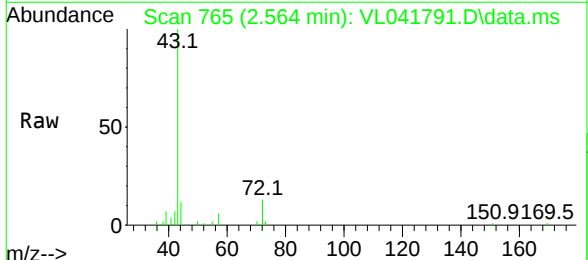
Manual Integrations  
APPROVED

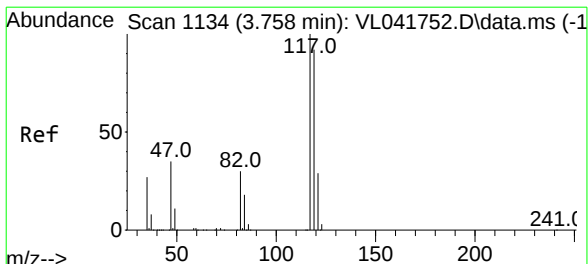
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#34  
2-Butanone  
Concen: 0.356 ppbv  
RT: 2.564 min Scan# 765  
Delta R.T. 0.009 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Tgt Ion: 43 Resp: 5055  
Ion Ratio Lower Upper  
43 100  
72 21.0 16.8 25.2





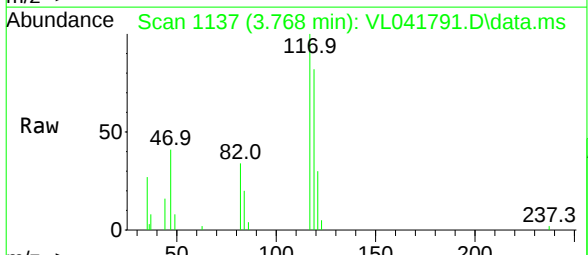
#35  
Carbon Tetrachloride  
Concen: 0.210 ppbv  
RT: 3.768 min Scan# 1117  
Delta R.T. 0.009 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

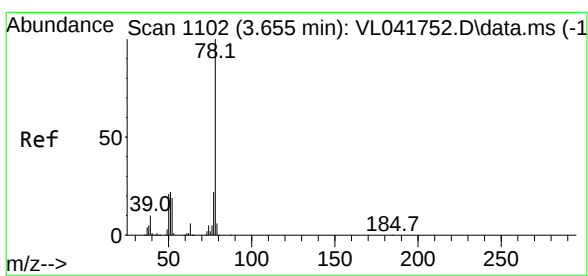
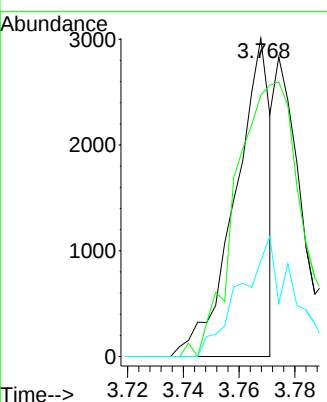
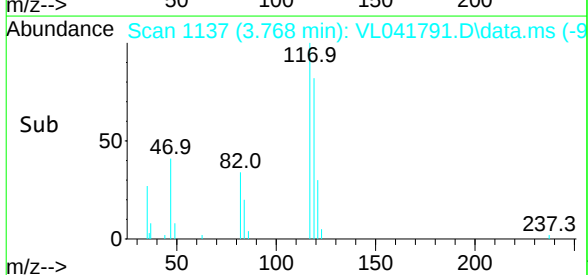


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 2637  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 82.1  | 73.7  | 110.5 |
| 121      | 30.0  | 23.0  | 34.4  |

Manual Integrations

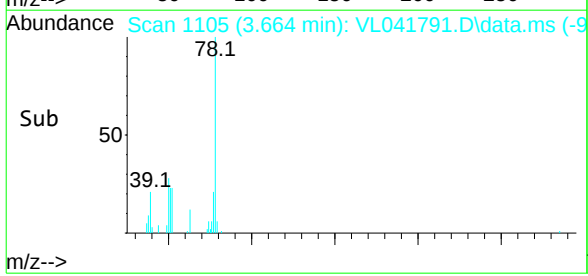
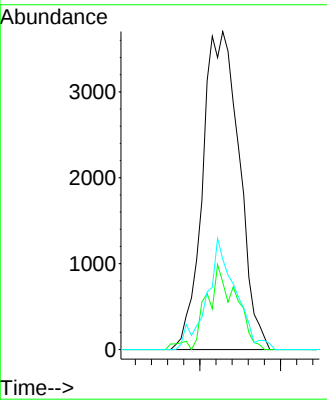
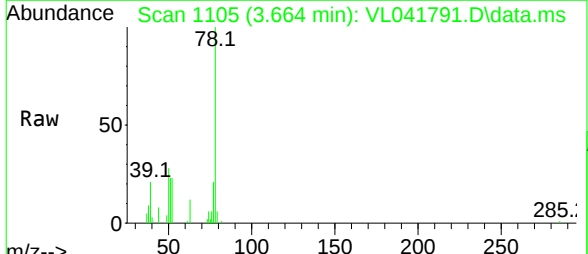
APPROVED

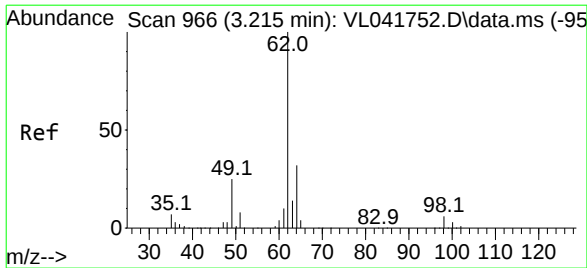
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#36  
Benzene  
Concen: 0.319 ppbv  
RT: 3.664 min Scan# 1105  
Delta R.T. 0.009 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 5832  |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 21.2  | 17.8  | 26.6  |
| 50       | 28.4  | 17.2  | 25.8  |





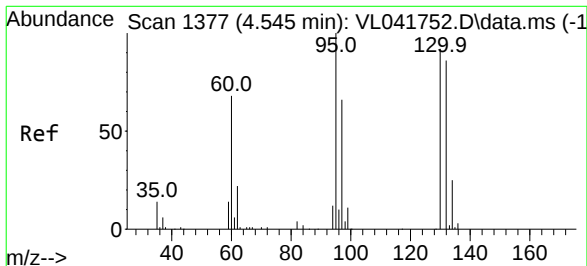
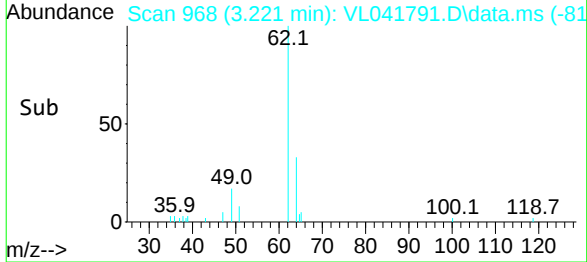
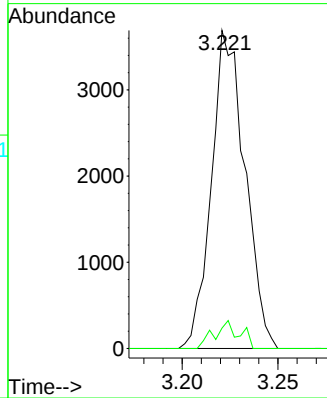
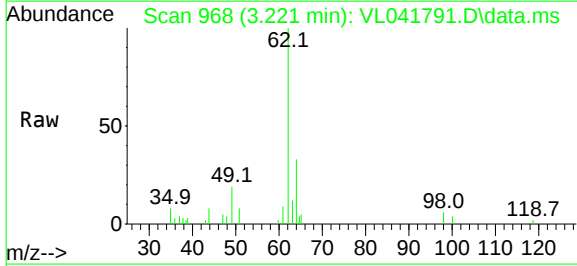
#37  
1,2-Dichloroethane  
Concen: 0.394 ppbv  
RT: 3.221 min Scan# 966  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion: 62 Resp: 4480  
Ion Ratio Lower Upper  
62 100  
98 6.4 4.7 7.1

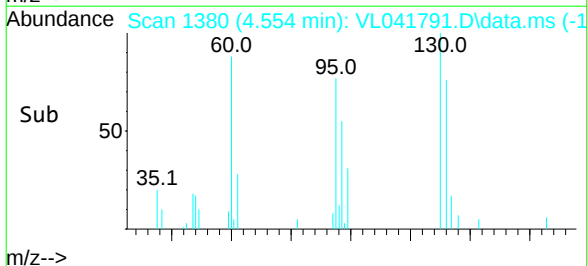
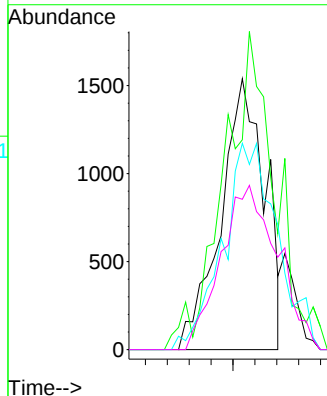
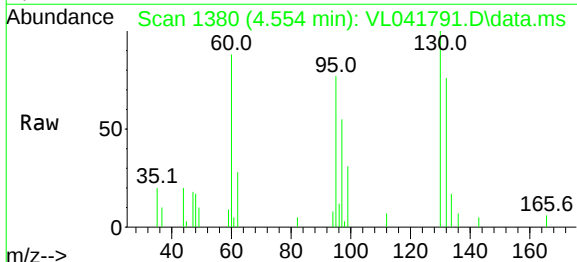
Manual Integrations  
APPROVED

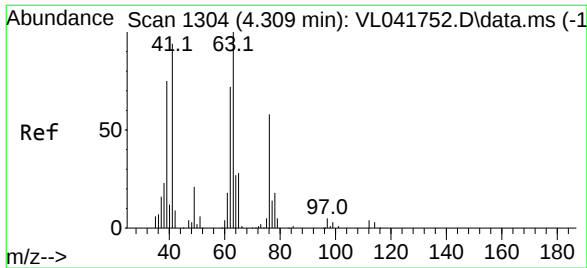
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#38  
Trichloroethene  
Concen: 0.277 ppbv  
RT: 4.554 min Scan# 1380  
Delta R.T. 0.009 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

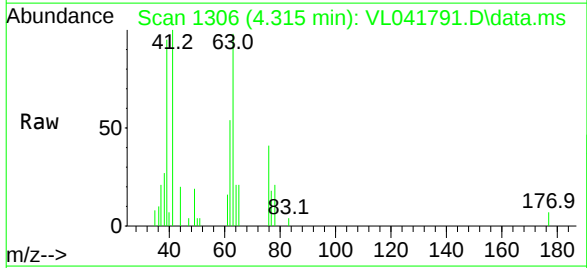
Tgt Ion:130 Resp: 2151  
Ion Ratio Lower Upper  
130 100  
95 69.3 87.0 130.6#  
132 71.2 75.0 112.6#  
97 55.5 57.2 85.8#





#39  
1,2-Dichloropropane  
Concen: 0.133 ppbv  
RT: 4.315 min Scan# 1304  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

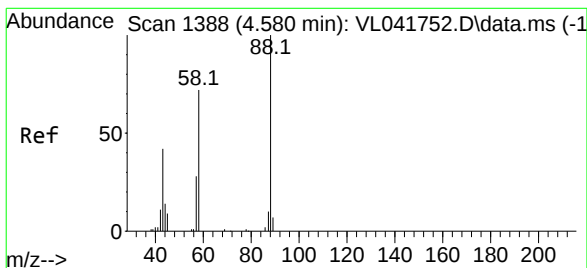
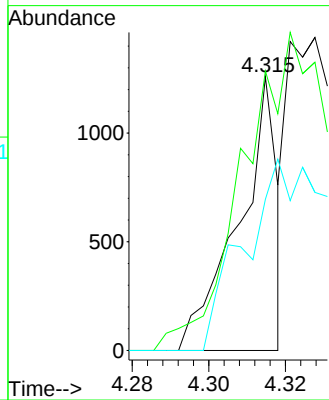
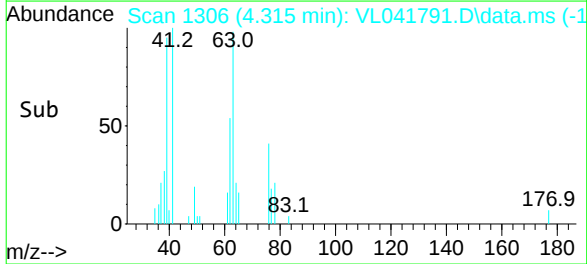
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



Tgt Ion: 63 Resp: 879  
Ion Ratio Lower Upper  
63 100  
41 94.1 75.3 112.9  
62 55.2 57.3 85.9#

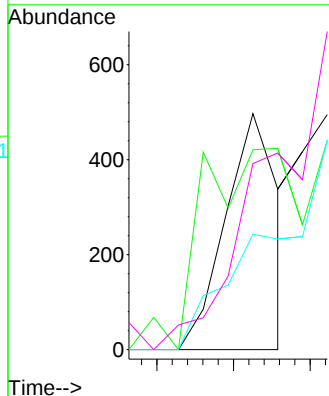
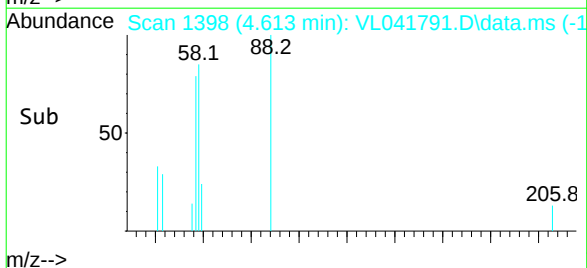
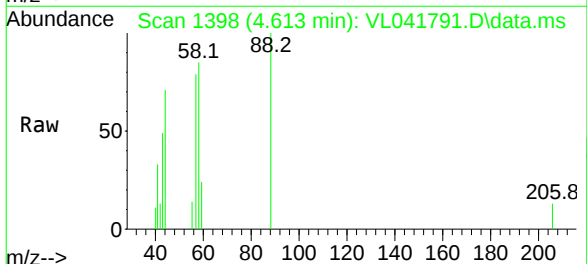
Manual Integrations  
APPROVED

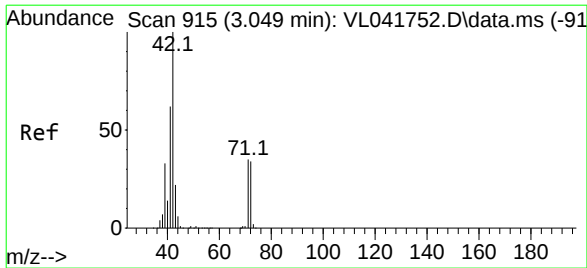
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#40  
1,4-Dioxane  
Concen: 0.074 ppbv  
RT: 4.613 min Scan# 1398  
Delta R.T. 0.032 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Tgt Ion: 88 Resp: 238  
Ion Ratio Lower Upper  
88 100  
58 0.0 61.0 91.6#  
43 0.0 29.4 44.0#  
57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.219 ppbv

RT: 3.072 min Scan# 92

Delta R.T. 0.022 min

Lab File: VL041791.D

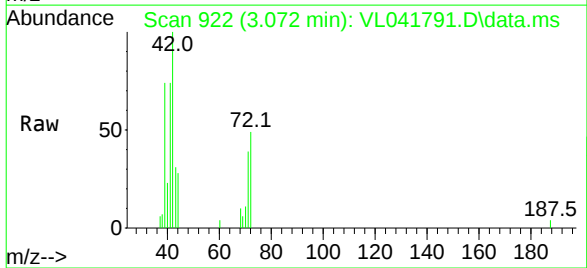
Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

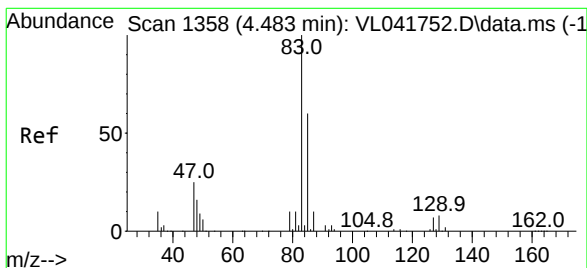
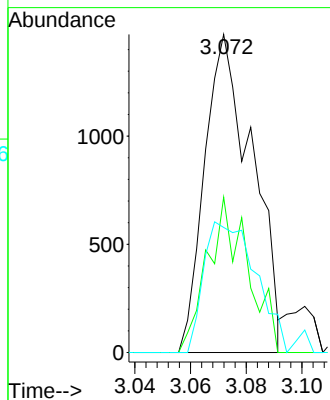
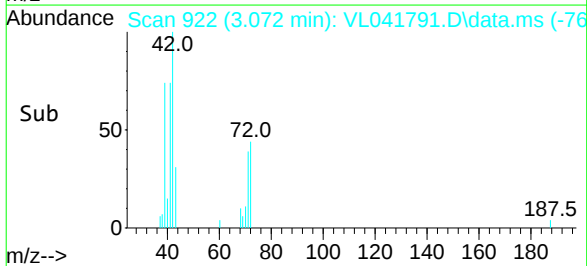
MDL 0.4



| Tgt Ion: | 42    | Resp: | 1748  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 41.2  | 29.1  | 43.7  |
| 71       | 46.3  | 28.4  | 42.6  |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#42

Bromodichloromethane

Concen: 0.177 ppbv

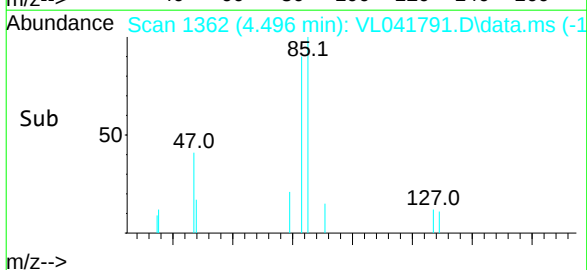
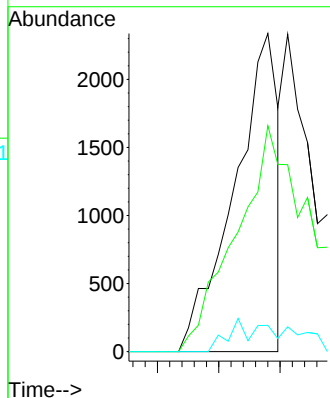
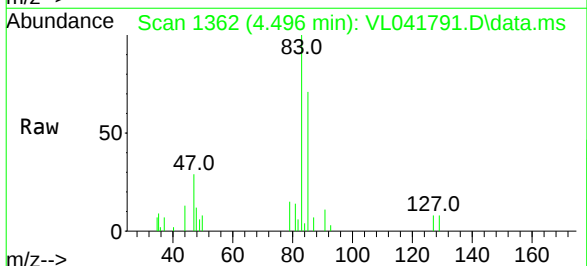
RT: 4.496 min Scan# 1362

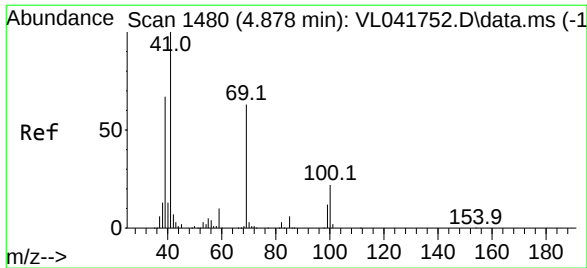
Delta R.T. 0.013 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

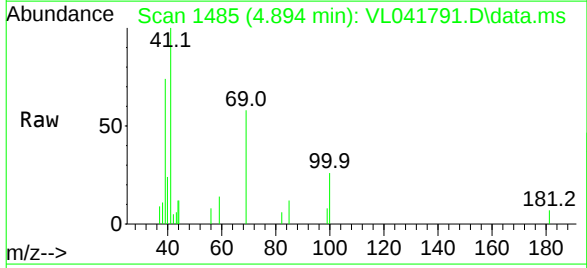
| Tgt Ion: | 83    | Resp: | 2314  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 71.0  | 48.0  | 72.0  |
| 127      | 8.3   | 5.8   | 8.8   |





#43  
Methyl Methacrylate  
Concen: 0.182 ppbv  
RT: 4.894 min Scan# 1410  
Delta R.T. 0.016 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

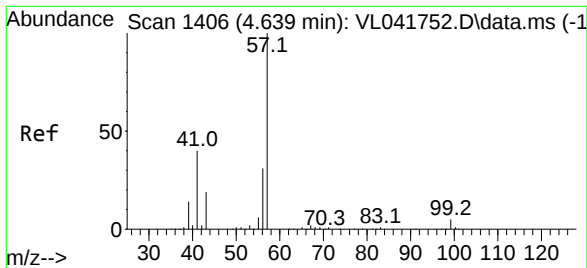
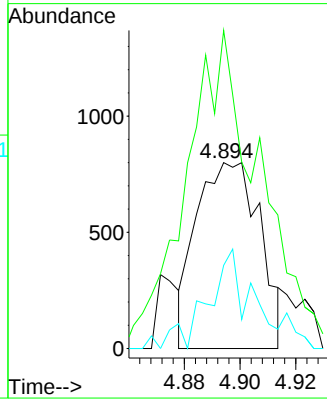
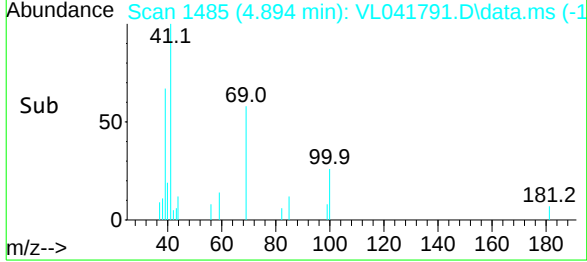
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



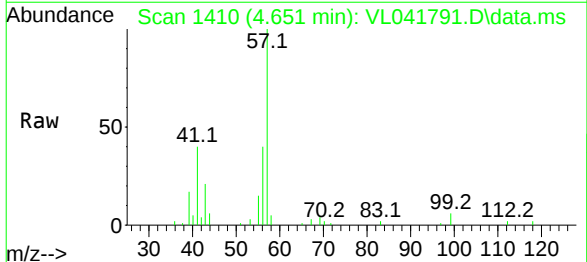
Tgt Ion: 69 Resp: 1268  
Ion Ratio Lower Upper  
69 100  
41 198.1 130.3 195.5#  
100 40.9 28.3 42.5

Manual Integrations  
APPROVED

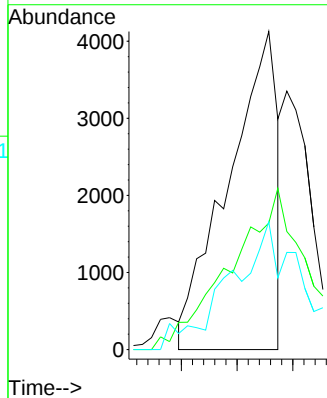
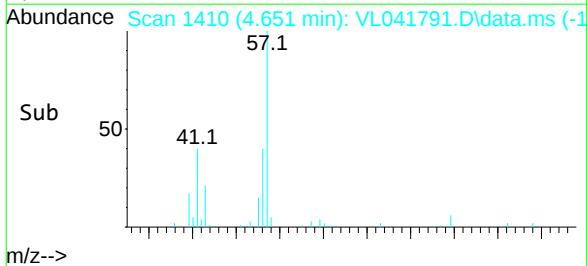
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024

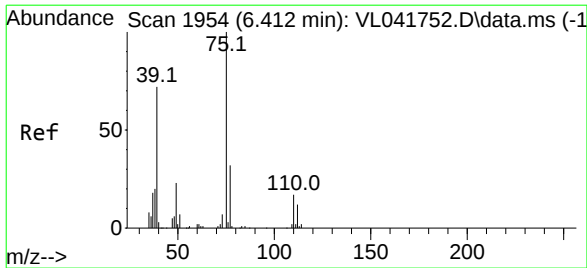


#44  
2,2,4-Trimethylpentane  
Concen: 0.162 ppbv  
RT: 4.651 min Scan# 1410  
Delta R.T. 0.013 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59



Tgt Ion: 57 Resp: 5064  
Ion Ratio Lower Upper  
57 100  
41 79.3 30.7 46.1#  
56 57.6 25.4 38.0#





#45

t-1,3-Dichloropropene

Concen: 0.121 ppbv

RT: 6.428 min Scan# 19

Delta R.T. 0.016 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

Tgt Ion: 75 Resp: 874

Ion Ratio Lower Upper

75 100

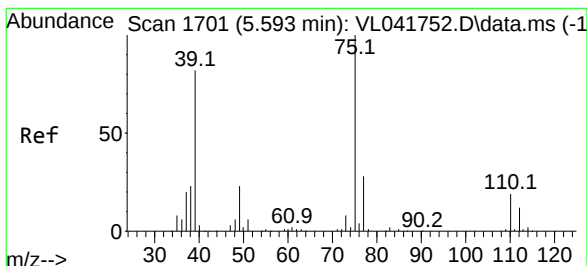
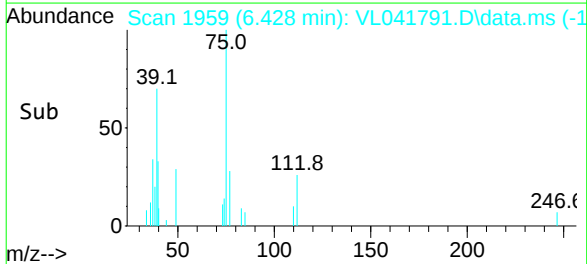
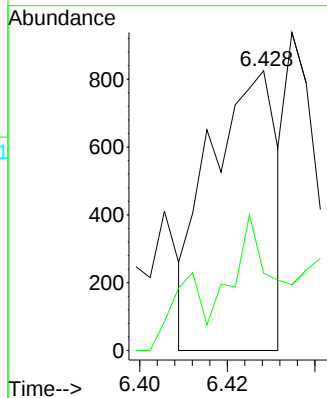
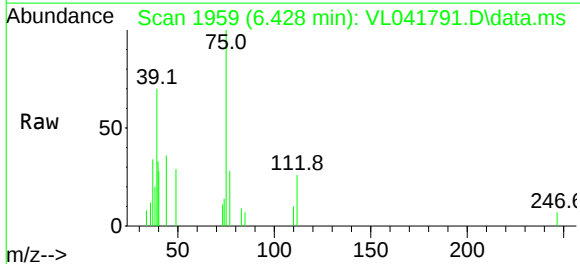
77 27.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024

Supervised By :Mahesh Dadoda 12/23/2024



#46

cis-1,3-Dichloropropene

Concen: 0.122 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. 0.016 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

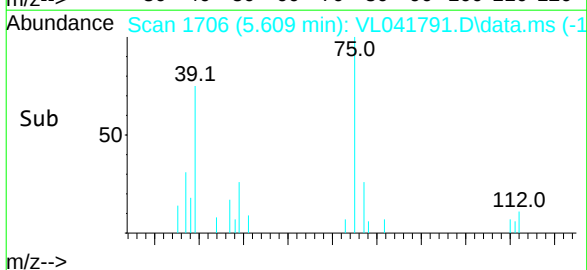
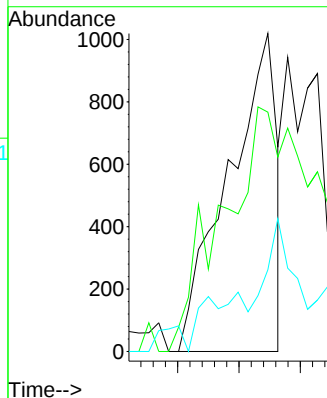
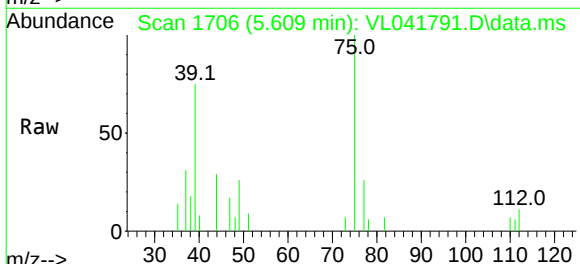
Tgt Ion: 75 Resp: 1116

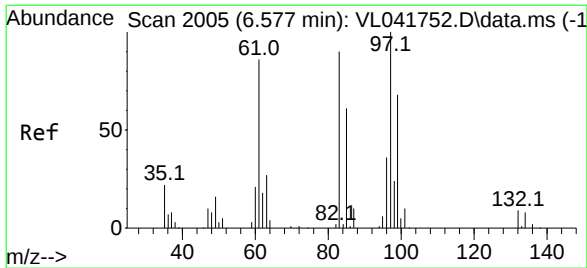
Ion Ratio Lower Upper

75 100

39 67.6 65.2 97.8

77 17.7 22.0 33.0#





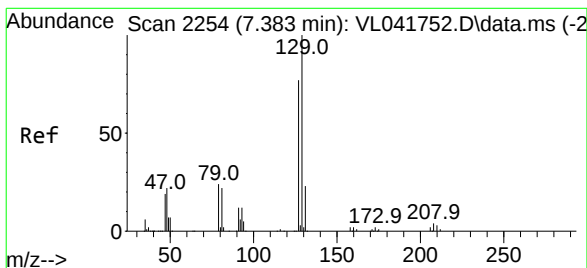
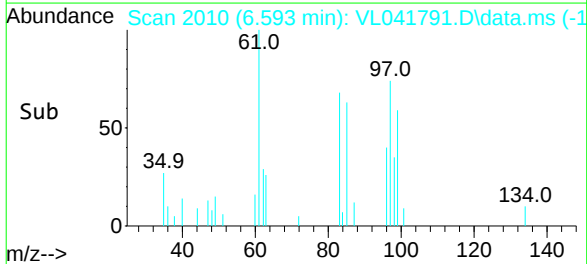
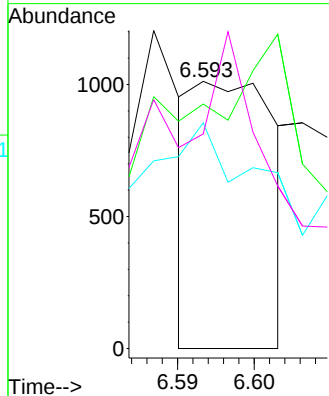
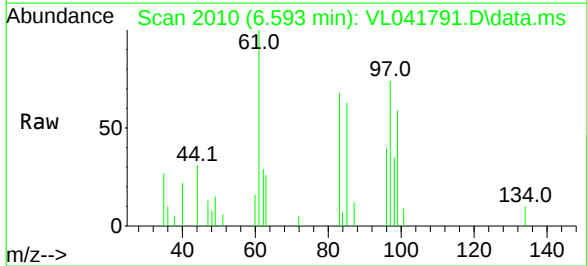
#47  
1,1,2-Trichloroethane  
Concen: 0.108 ppbv  
RT: 6.593 min Scan# 2005  
Delta R.T. 0.016 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 97      | 100   |       |        |
| 83      | 38.7  | 72.3  | 108.5# |
| 85      | 112.5 | 48.5  | 72.7#  |
| 99      | 117.3 | 54.0  | 81.0#  |

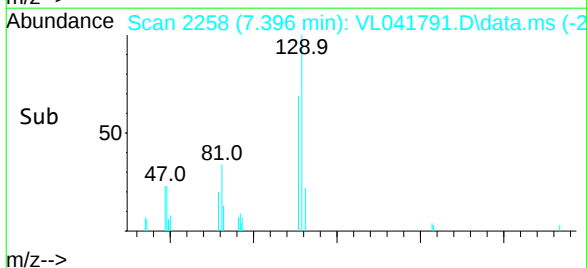
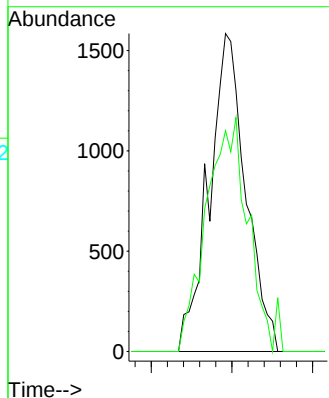
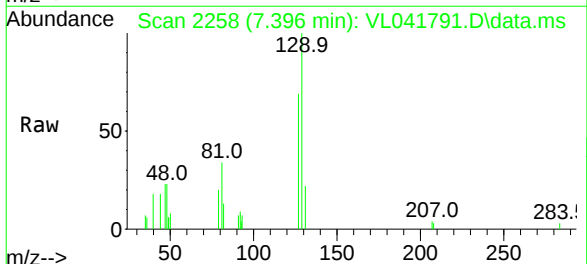
Manual Integrations  
APPROVED

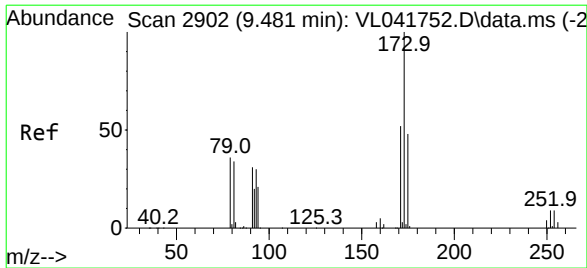
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#48  
Dibromochloromethane  
Concen: 0.265 ppbv  
RT: 7.396 min Scan# 2258  
Delta R.T. 0.013 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 84.2  | 38.8  | 116.3 |





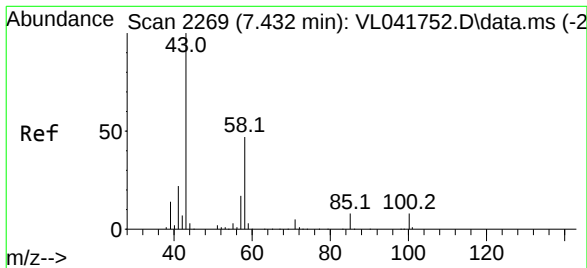
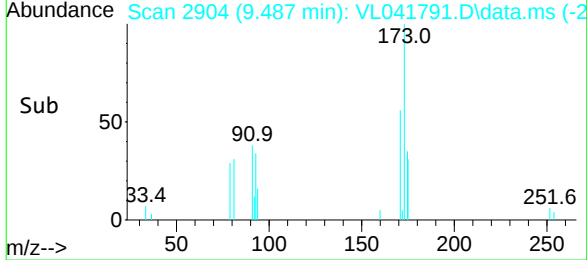
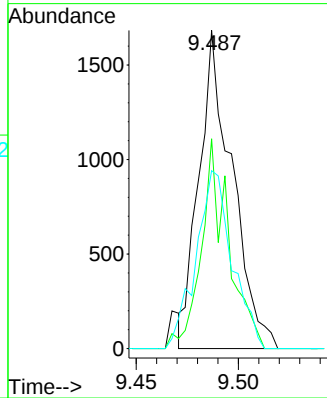
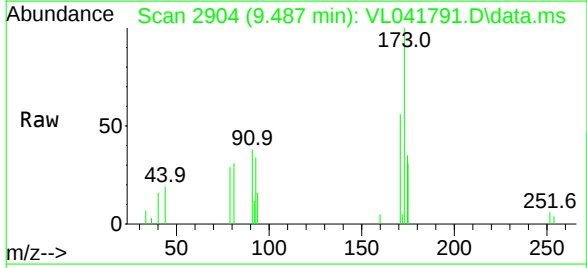
#49  
Bromoform  
Concen: 0.246 ppbv  
RT: 9.487 min Scan# 2902  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 54.3  | 38.2  | 57.2  |
| 171     | 61.0  | 41.1  | 61.7  |

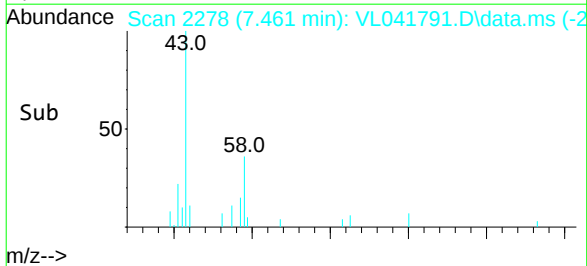
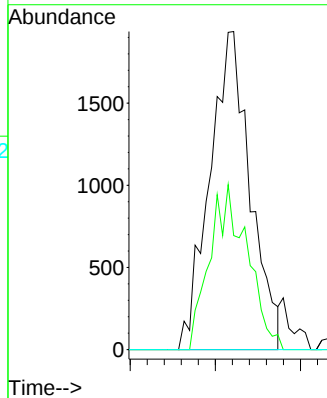
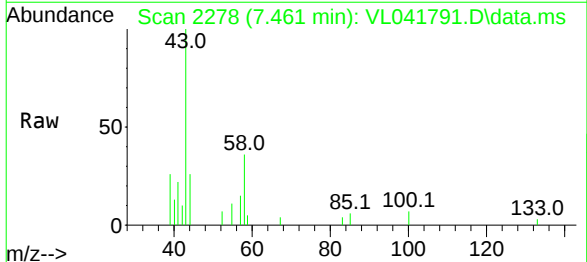
Manual Integrations  
APPROVED

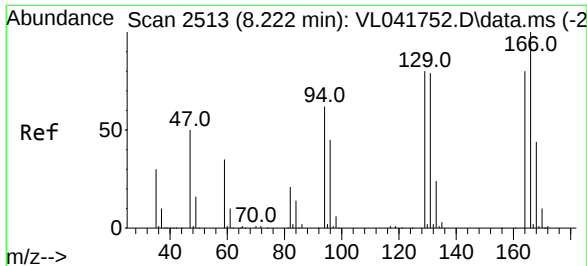
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#51  
2-Hexanone  
Concen: 0.205 ppbv  
RT: 7.461 min Scan# 2278  
Delta R.T. 0.029 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

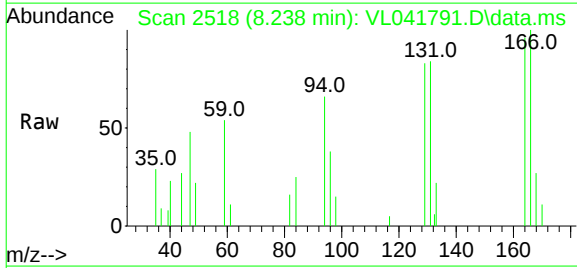
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 47.9  | 36.6  | 55.0  |
| 98      | 0.0   | 0.1   | 0.1   |





#52  
Tetrachloroethene  
Concen: 0.168 ppbv  
RT: 8.238 min Scan# 2513  
Delta R.T. 0.016 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

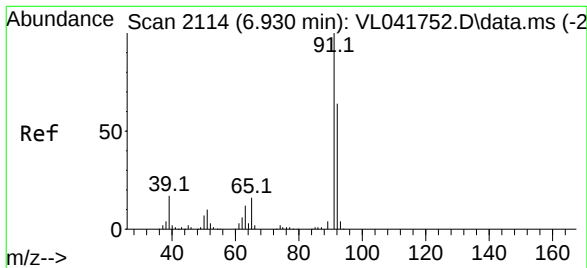
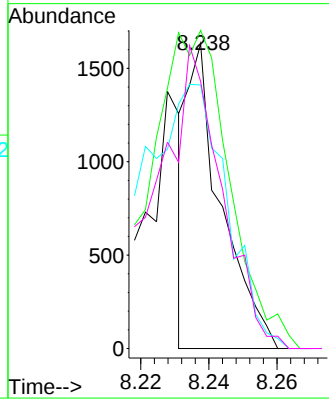
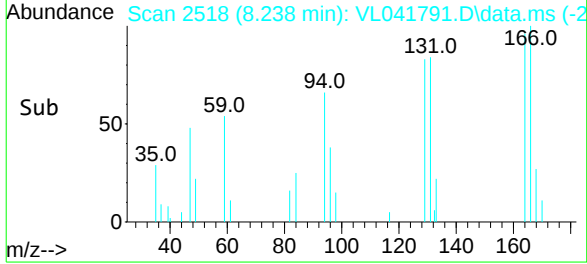
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



Tgt Ion: 164 Resp: 1144  
Ion Ratio Lower Upper  
164 100  
166 93.0 99.8 149.6#  
129 83.1 79.6 119.4  
131 83.6 78.6 117.8

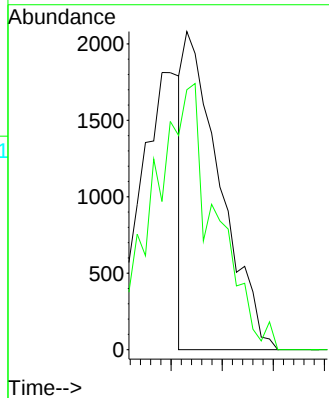
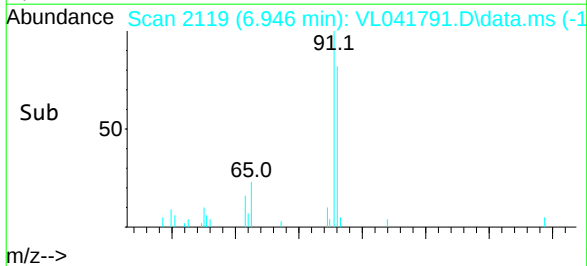
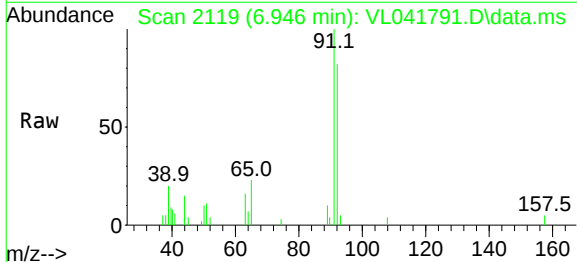
Manual Integrations  
APPROVED

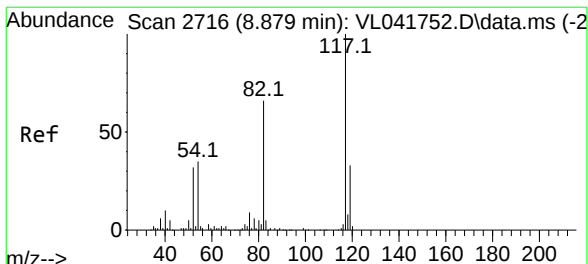
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#53  
Toluene  
Concen: 0.099 ppbv  
RT: 6.946 min Scan# 2119  
Delta R.T. 0.016 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

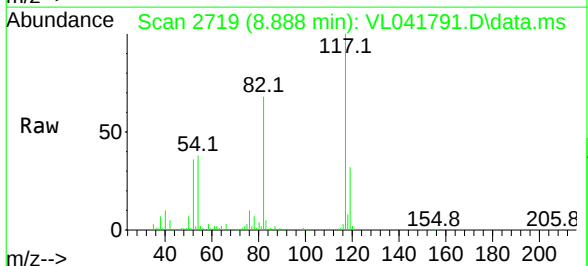
Tgt Ion: 91 Resp: 2057  
Ion Ratio Lower Upper  
91 100  
92 149.3 47.9 71.9#





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.888 min Scan# 2716  
Delta R.T. 0.009 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

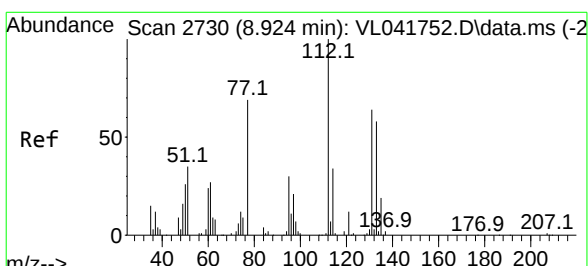
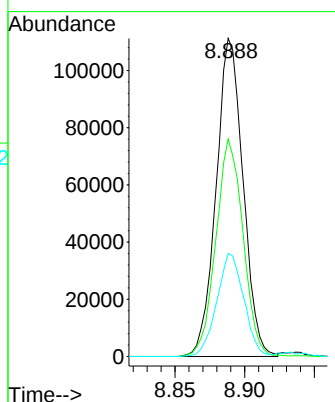
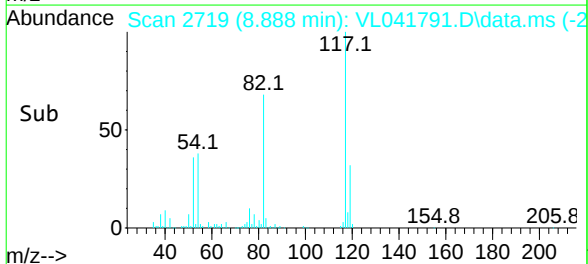
Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 149550 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 68.9  | 53.8  | 80.8   |
| 119      | 33.7  | 26.7  | 40.1   |

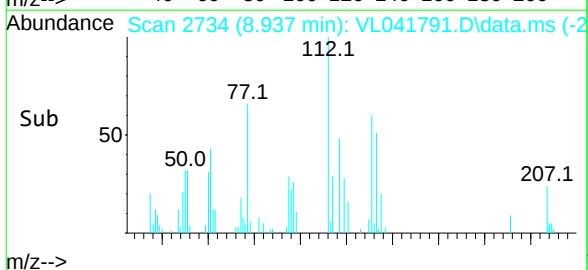
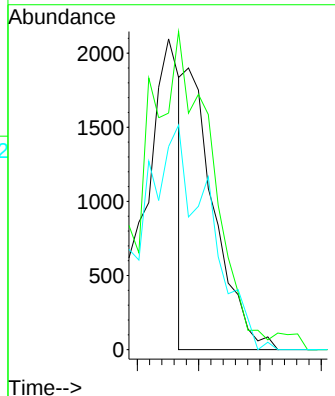
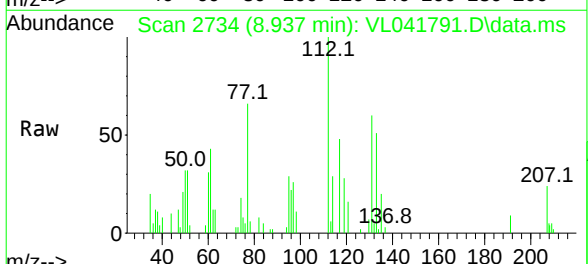
Manual Integrations  
APPROVED

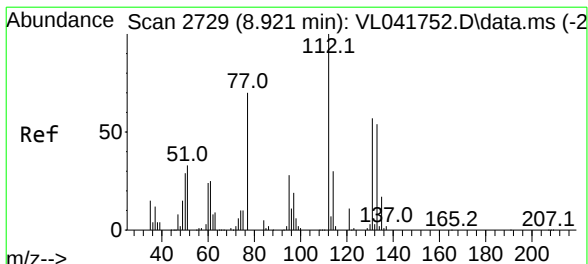
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.164 ppbv  
RT: 8.937 min Scan# 2734  
Delta R.T. 0.013 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

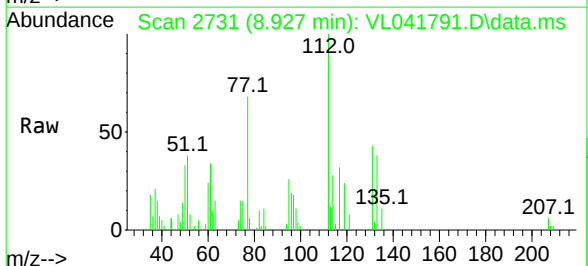
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 131   | Resp: | 1297   |
| Ion      | Ratio | Lower | Upper  |
| 131      | 100   |       |        |
| 133      | 248.8 | 76.8  | 115.2# |
| 119      | 0.0   | 49.0  | 73.6#  |





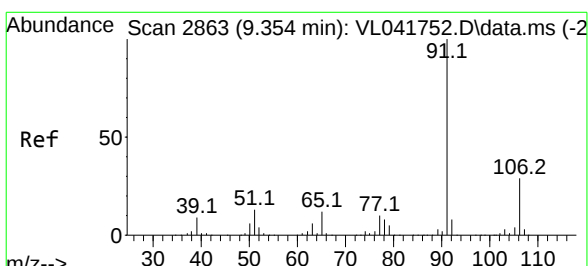
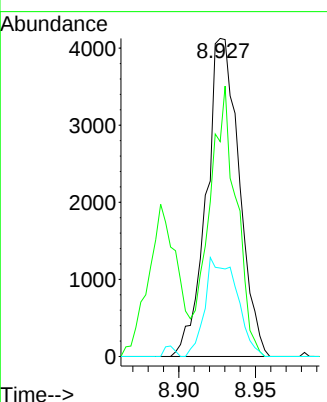
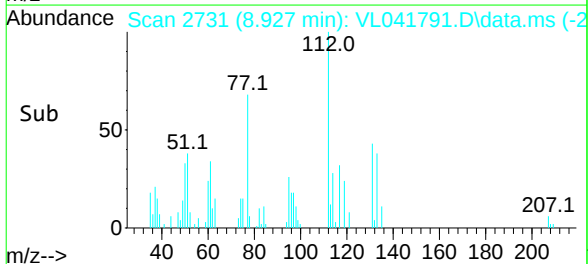
#57  
 Chlorobenzene  
 Concen: 0.402 ppbv  
 RT: 8.927 min Scan# 2729  
 Delta R.T. 0.006 min  
 Lab File: VL041791.D  
 Acq: 18 Dec 2024 12:59

Instrument : MSVOA\_1  
 ClientSampleId : MDL 0.4

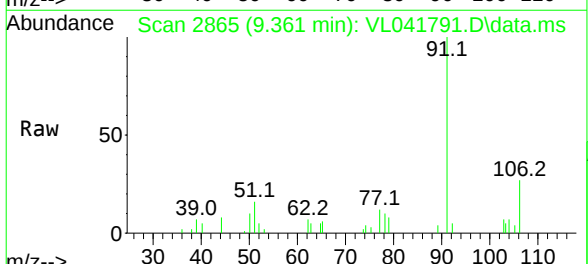


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 6147  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 77       | 67.5  | 57.4  | 86.0  |
| 114      | 27.8  | 27.4  | 33.4  |

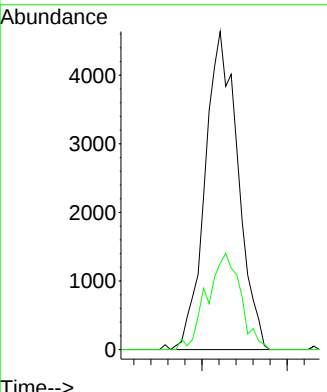
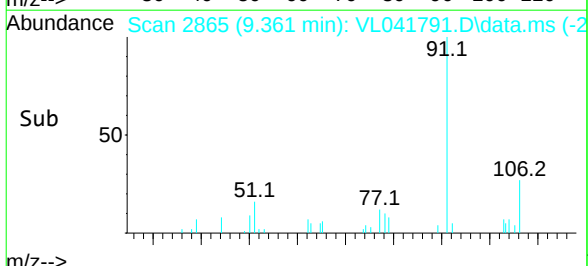
Manual Integrations  
**APPROVED**  
 Reviewed By :Semsettin Yesilyurt 12/23/2024  
 Supervised By :Mahesh Dadoda 12/23/2024

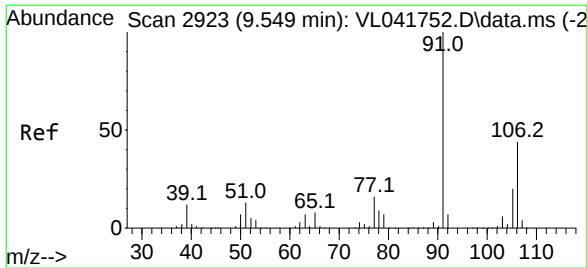


#58  
 Ethyl Benzene  
 Concen: 0.231 ppbv  
 RT: 9.361 min Scan# 2865  
 Delta R.T. 0.006 min  
 Lab File: VL041791.D  
 Acq: 18 Dec 2024 12:59



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 6214  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 106      | 27.1  | 23.5  | 35.3  |





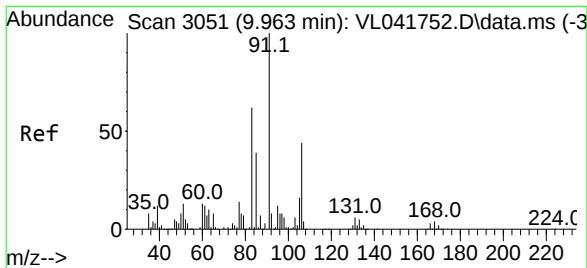
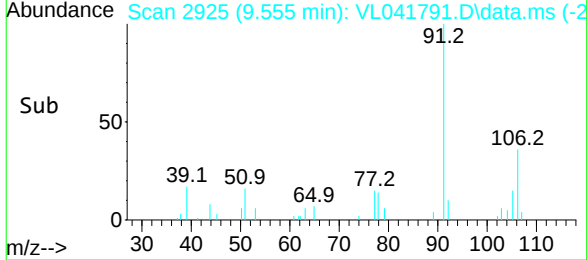
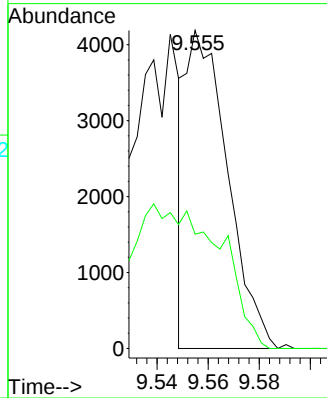
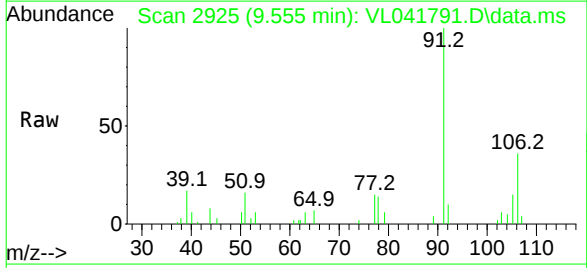
#59  
m/p-Xylene  
Concen: 0.220 ppbv  
RT: 9.555 min Scan# 2923  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4

Tgt Ion: 91 Resp: 4768  
Ion Ratio Lower Upper  
91 100  
106 0.0 0.0 0.0

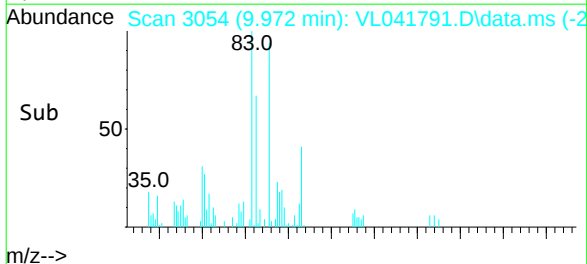
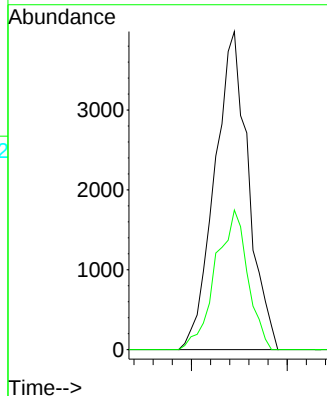
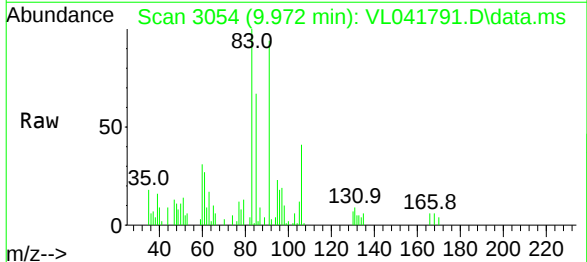
Manual Integrations  
APPROVED

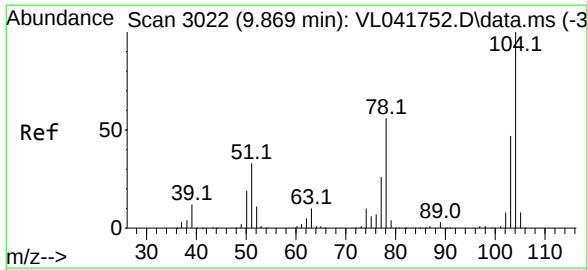
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#60  
o-Xylene  
Concen: 0.224 ppbv  
RT: 9.972 min Scan# 3054  
Delta R.T. 0.009 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Tgt Ion: 91 Resp: 4872  
Ion Ratio Lower Upper  
91 100  
106 41.8 21.1 63.4





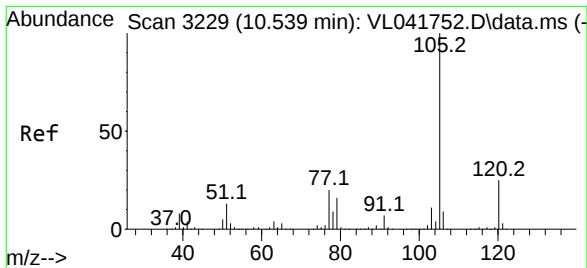
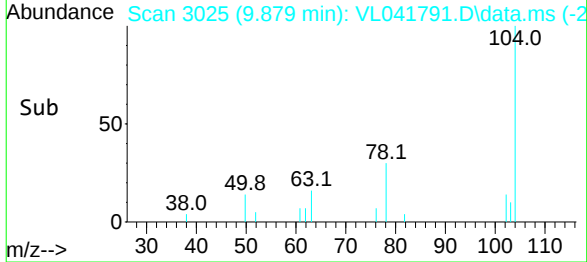
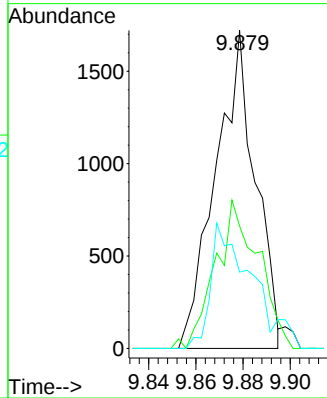
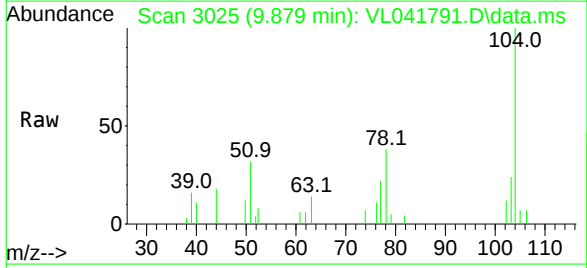
#61  
Styrene  
Concen: 0.214 ppbv  
RT: 9.879 min Scan# 3022  
Delta R.T. 0.009 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:104 | Resp: | 2011  |
| Ion Ratio   | Lower | Upper |
| 104 100     |       |       |
| 78 50.4     | 43.8  | 65.6  |
| 103 40.9    | 37.8  | 56.6  |

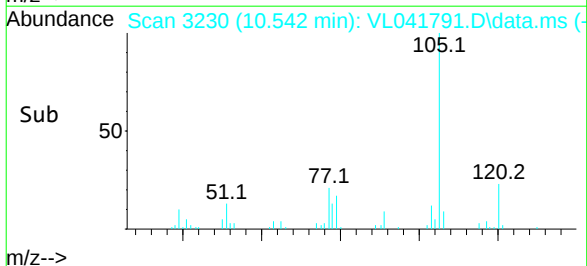
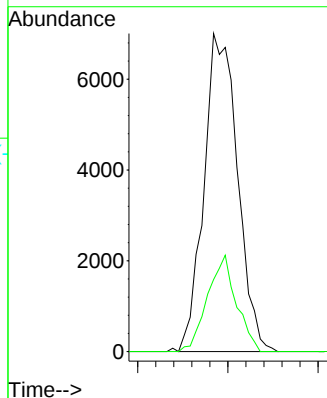
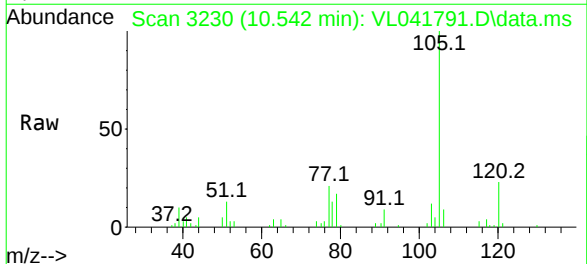
Manual Integrations  
APPROVED

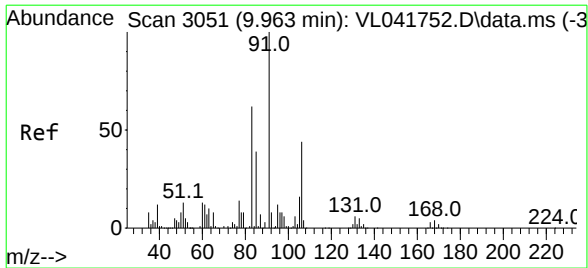
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#62  
Isopropylbenzene  
Concen: 0.278 ppbv  
RT: 10.542 min Scan# 3230  
Delta R.T. 0.003 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

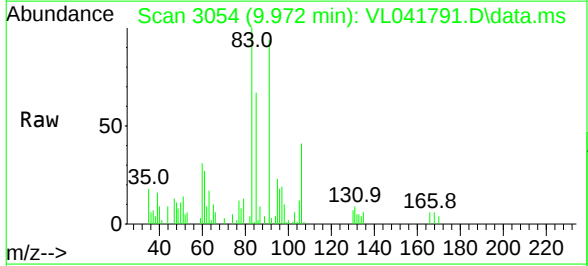
|             |       |       |
|-------------|-------|-------|
| Tgt Ion:105 | Resp: | 9065  |
| Ion Ratio   | Lower | Upper |
| 105 100     |       |       |
| 120 26.0    | 19.8  | 29.8  |





#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.394 ppbv  
RT: 9.972 min Scan# 3051  
Delta R.T. 0.009 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

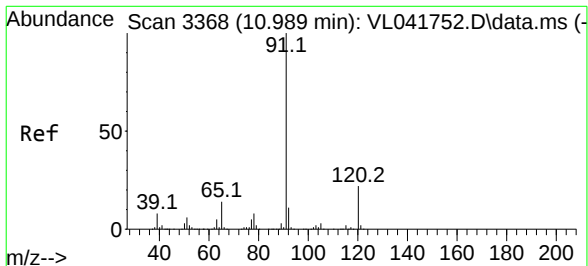
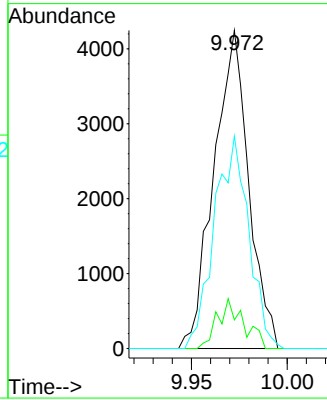
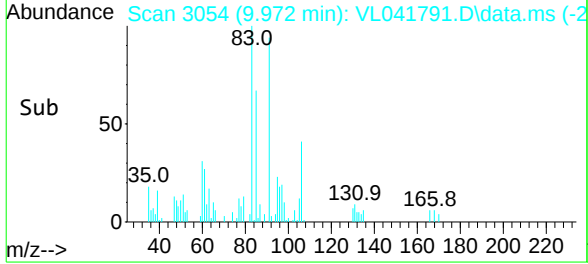
Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4



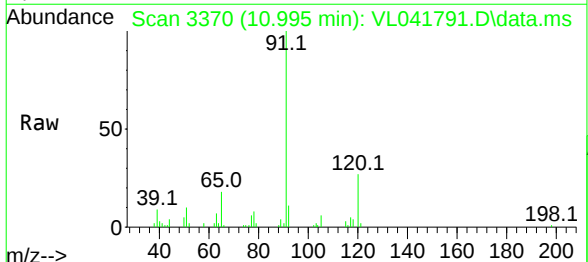
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 5357  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.8  | 4.9   | 14.7  |
| 85       | 65.9  | 32.0  | 96.2  |

Manual Integrations  
APPROVED

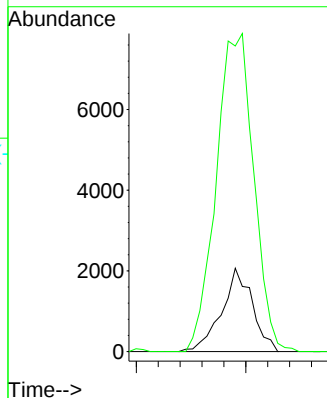
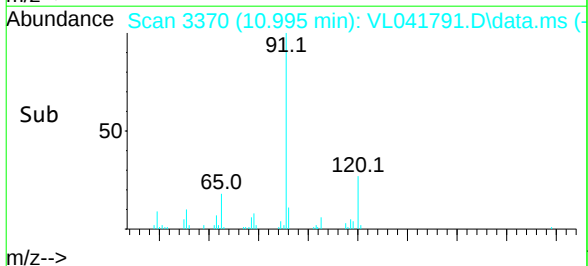
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024

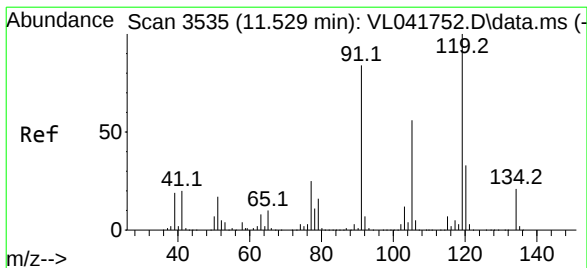


#64  
n-propylbenzene  
Concen: 0.244 ppbv  
RT: 10.995 min Scan# 3370  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 120   | Resp: | 2010  |
| Ion      | Ratio | Lower | Upper |
| 120      | 100   |       |       |
| 91       | 466.8 | 387.3 | 580.9 |





#65

tert-Butylbenzene

Concen: 0.206 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.009 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

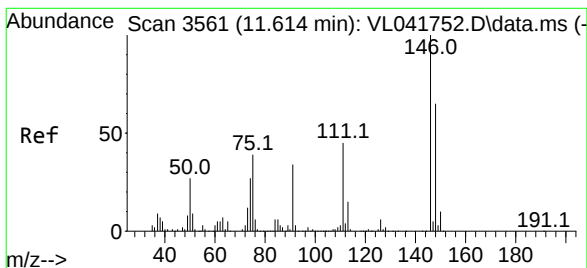
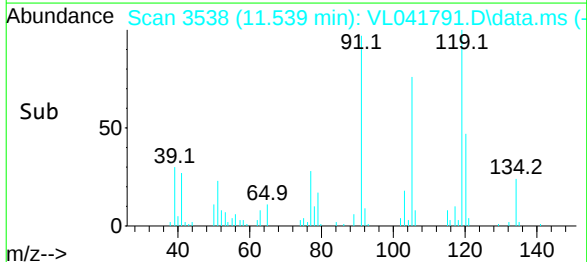
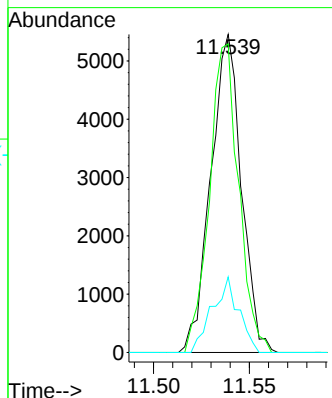
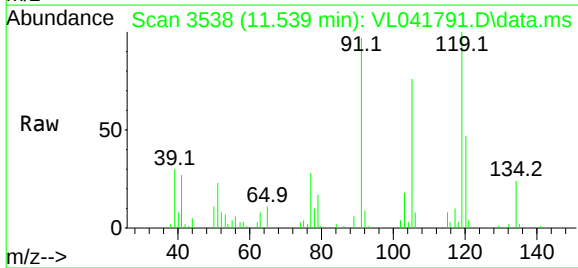
MDL 0.4

|     |       |       |       |      |
|-----|-------|-------|-------|------|
| Tgt | Ion:  | 119   | Resp: | 6064 |
| Ion | Ratio | Lower | Upper |      |
| 119 | 100   |       |       |      |
| 91  | 92.8  | 67.0  | 100.4 |      |
| 134 | 20.4  | 16.5  | 24.7  |      |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#66

Benzyl Chloride

Concen: 0.064 ppbv

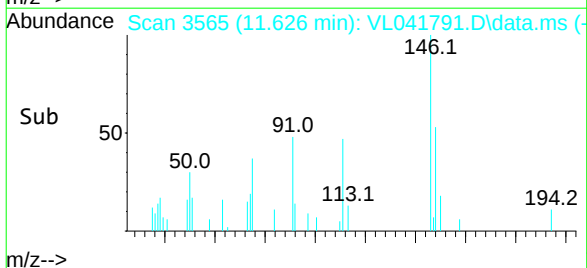
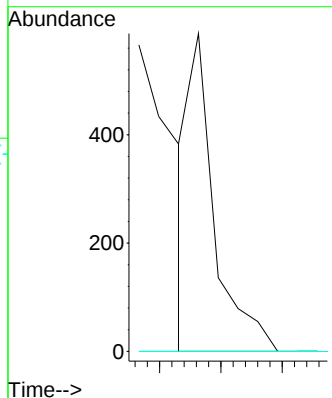
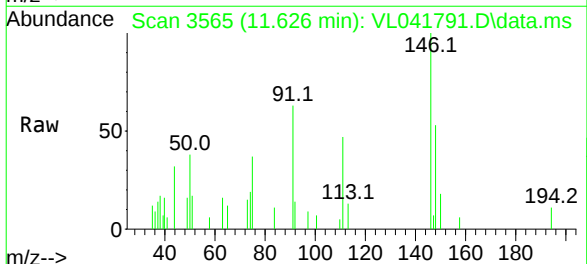
RT: 11.626 min Scan# 3565

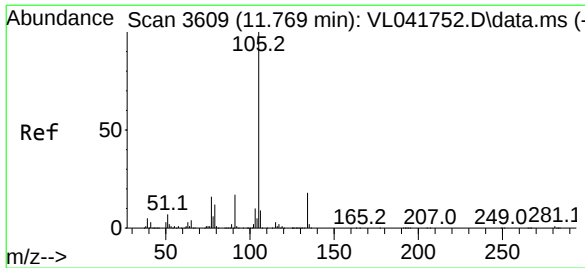
Delta R.T. 0.013 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

|     |       |       |       |     |
|-----|-------|-------|-------|-----|
| Tgt | Ion:  | 91    | Resp: | 166 |
| Ion | Ratio | Lower | Upper |     |
| 91  | 100   |       |       |     |
| 126 | 0.0   | 13.9  | 20.9# |     |
| 128 | 0.0   | 4.4   | 6.6#  |     |





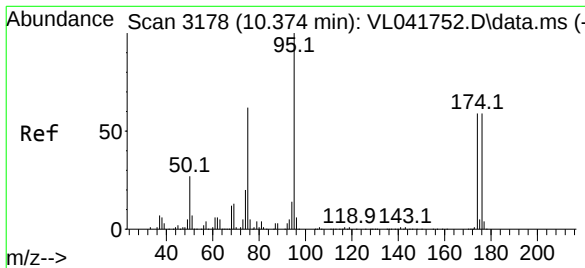
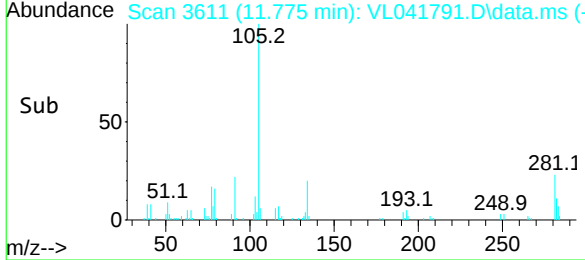
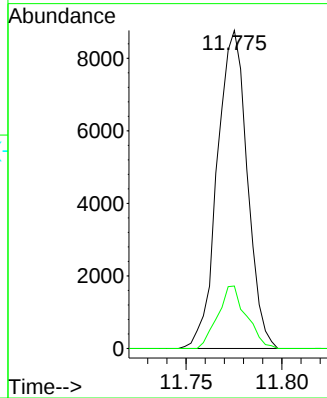
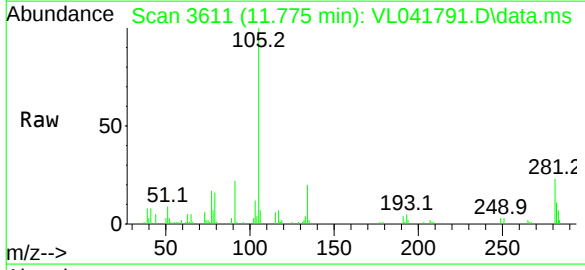
#67  
sec-Butylbenzene  
Concen: 0.234 ppbv  
RT: 11.775 min Scan# 3609  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion: 105 Resp: 9538  
Ion Ratio Lower Upper  
105 100  
134 18.7 14.5 21.7

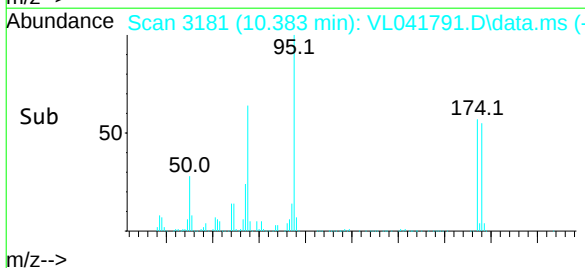
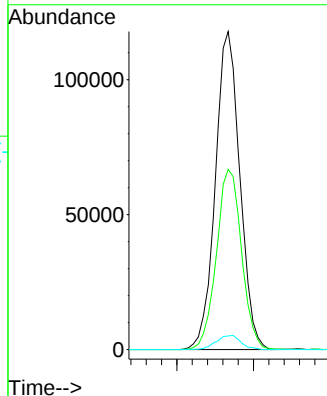
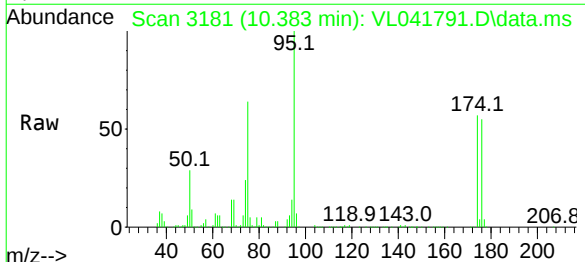
Manual Integrations  
APPROVED

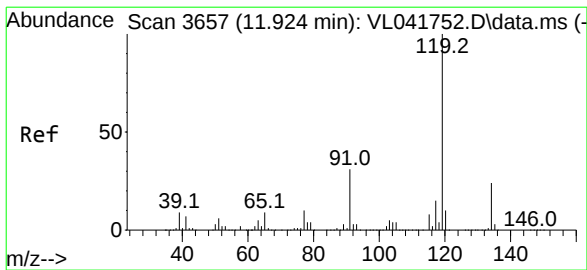
Reviewed By : Semsettin Yesilyurt 12/23/2024  
Supervised By : Mahesh Dadoda 12/23/2024



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.495 ppbv  
RT: 10.383 min Scan# 3181  
Delta R.T. 0.009 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Tgt Ion: 95 Resp: 130797  
Ion Ratio Lower Upper  
95 100  
174 58.3 47.6 71.4  
175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.209 ppbv

RT: 11.931 min Scan# 3657

Delta R.T. 0.006 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

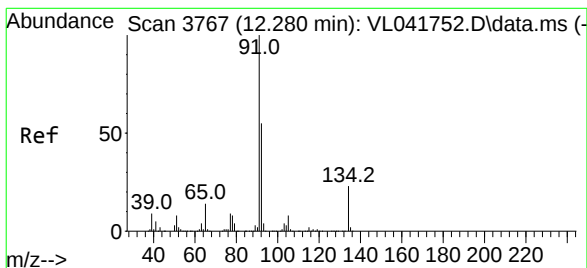
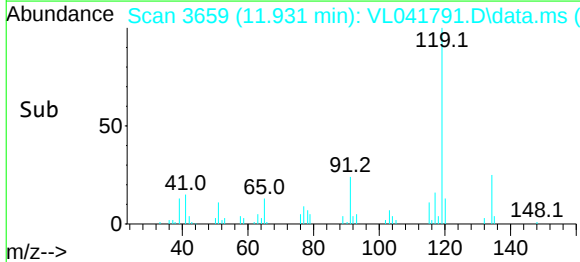
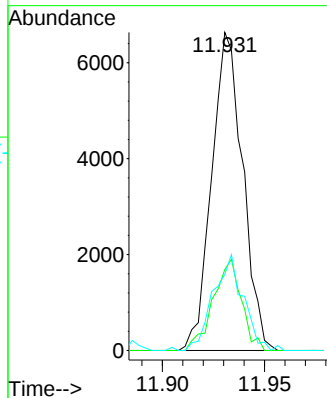
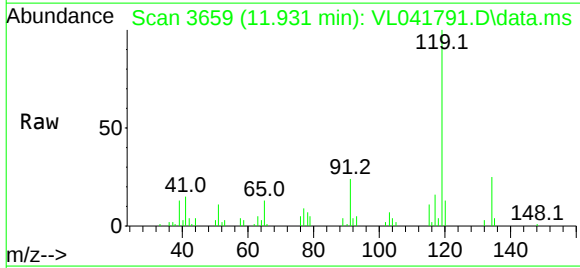
MDL 0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 7005  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 26.1  | 19.6  | 29.4  |
| 91       | 29.2  | 24.4  | 36.6  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#70

n-Butylbenzene

Concen: 0.195 ppbv

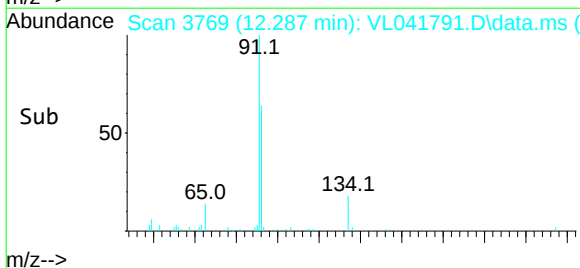
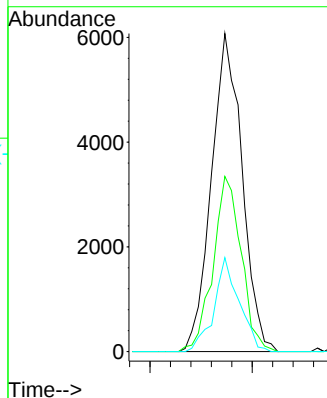
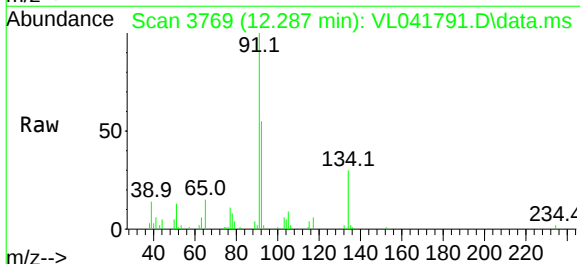
RT: 12.287 min Scan# 3769

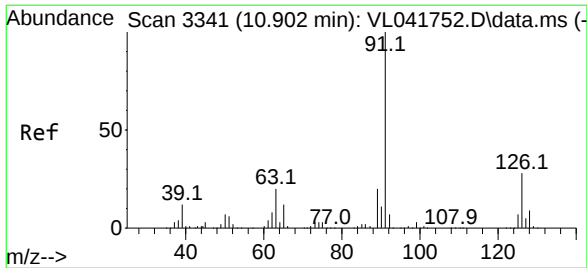
Delta R.T. 0.006 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

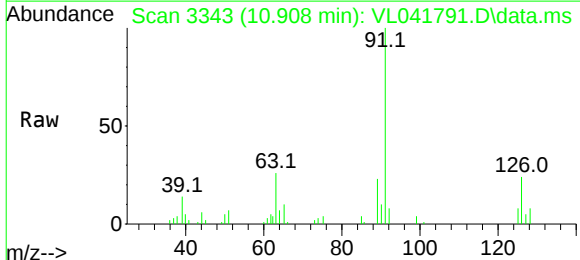
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 6332  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 50.6  | 43.2  | 64.8  |
| 134      | 24.2  | 18.2  | 27.4  |





#71  
2-Chlorotoluene  
Concen: 0.258 ppbv  
RT: 10.908 min Scan# 3341  
Delta R.T. 0.006 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

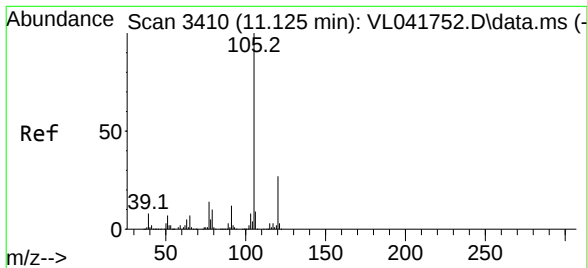
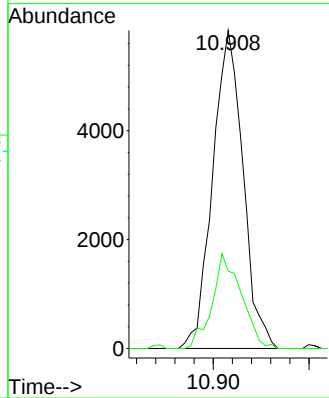
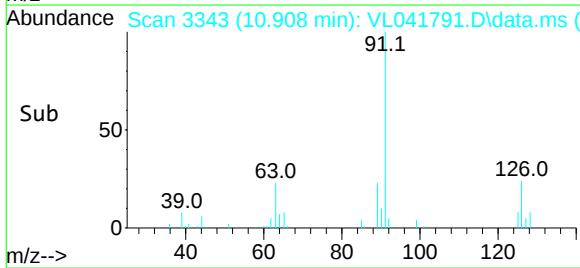
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



Tgt Ion: 91 Resp: 6411  
Ion Ratio Lower Upper  
91 100  
126 29.2 11.6 46.4

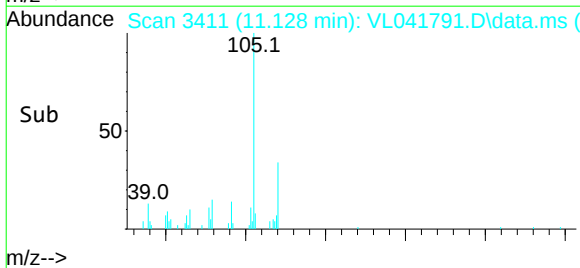
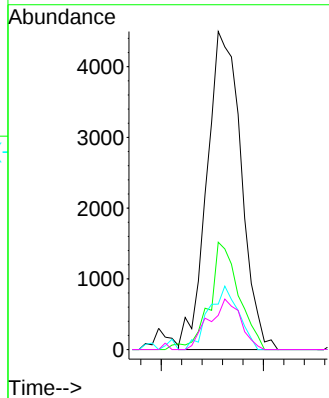
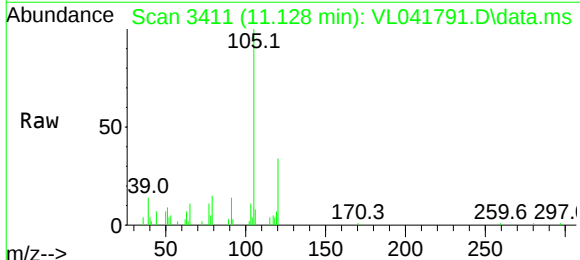
Manual Integrations  
APPROVED

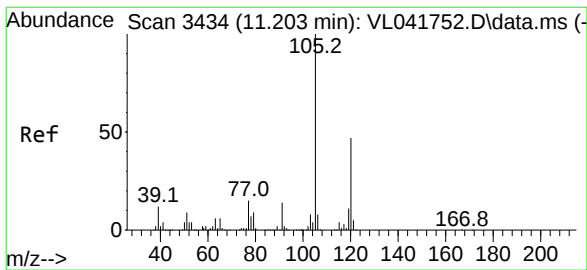
Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#72  
4-Ethyltoluene  
Concen: 0.204 ppbv  
RT: 11.128 min Scan# 3411  
Delta R.T. 0.003 min  
Lab File: VL041791.D  
Acq: 18 Dec 2024 12:59

Tgt Ion:105 Resp: 5226  
Ion Ratio Lower Upper  
105 100  
120 28.8 23.3 34.9  
91 18.7 10.9 16.3#  
77 15.0 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.194 ppbv

RT: 11.212 min Scan# 3434

Delta R.T. 0.009 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

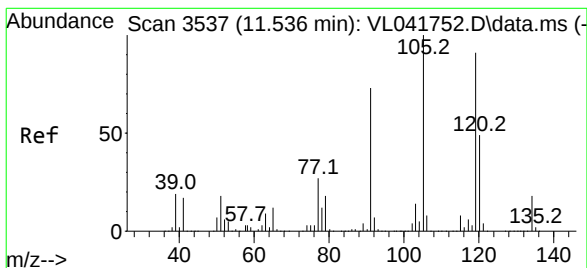
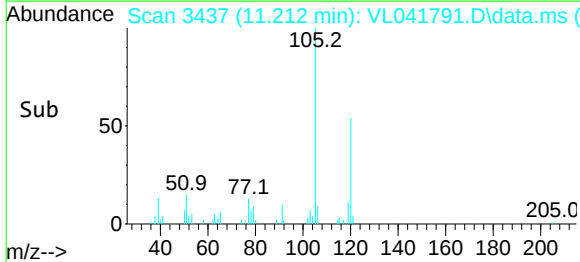
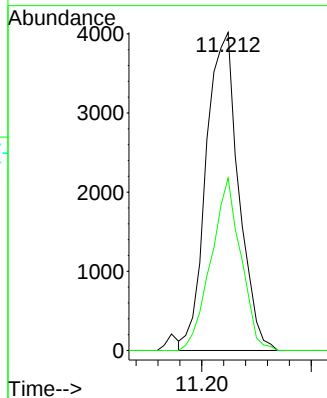
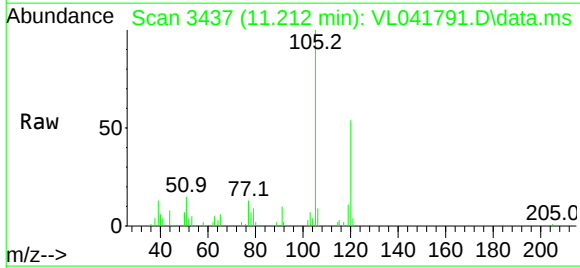
MDL 0.4

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 105   | Resp: | 4135 |
| Ion Ratio | Lower | Upper |      |
| 105       | 100   |       |      |
| 120       | 54.2  | 37.4  | 56.2 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.208 ppbv

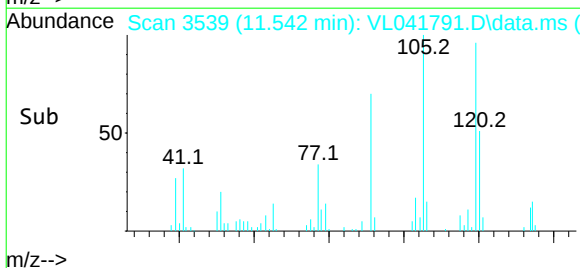
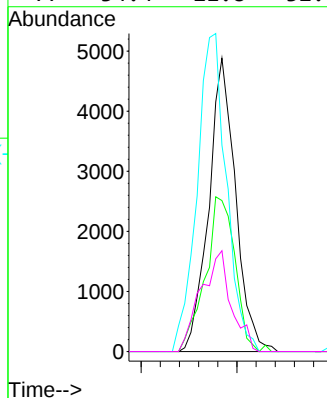
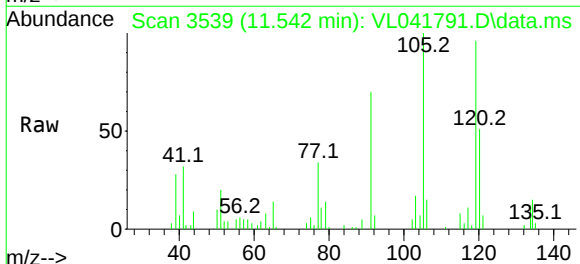
RT: 11.542 min Scan# 3539

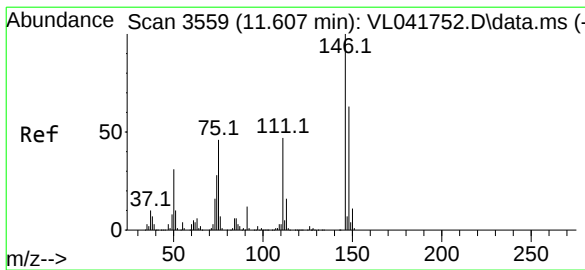
Delta R.T. 0.006 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 105   | Resp: | 4748 |
| Ion Ratio | Lower | Upper |      |
| 105       | 100   |       |      |
| 120       | 51.5  | 39.0  | 58.4 |
| 91        | 70.4  | 58.1  | 87.1 |
| 77        | 34.4  | 21.8  | 32.8 |





#75

1,3-Dichlorobenzene

Concen: 0.378 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

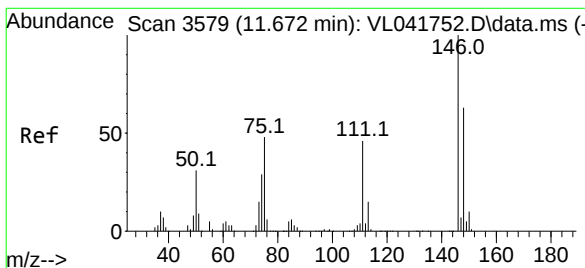
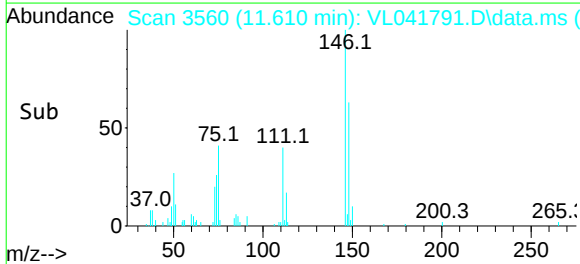
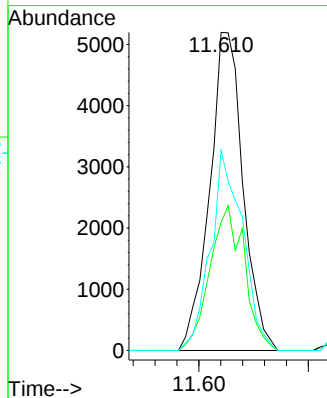
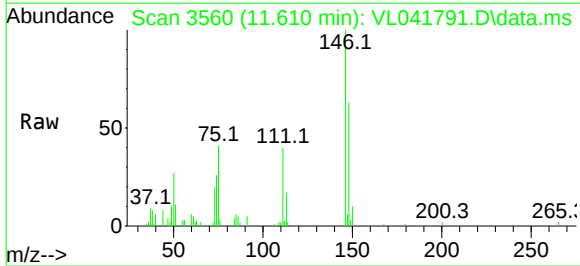
MDL 0.4

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:146 | Resp: | 5507  |
| Ion | Ratio   | Lower | Upper |
| 146 | 100     |       |       |
| 111 | 47.0    | 23.4  | 70.3  |
| 148 | 60.5    | 31.6  | 95.0  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#76

1,4-Dichlorobenzene

Concen: 0.318 ppbv

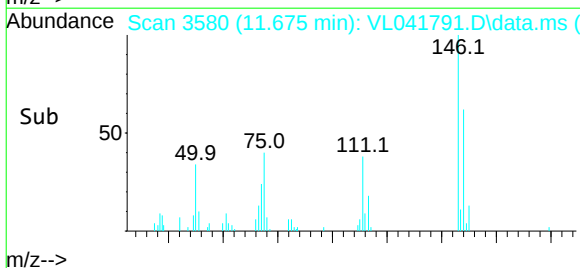
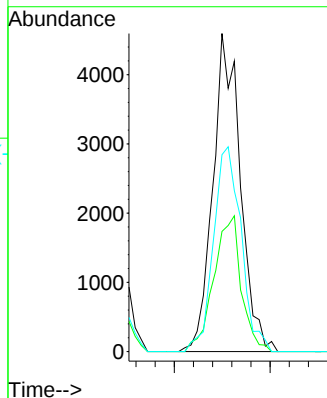
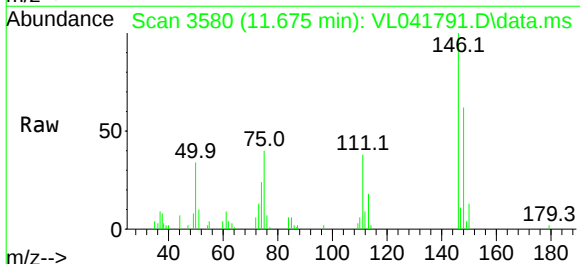
RT: 11.675 min Scan# 3580

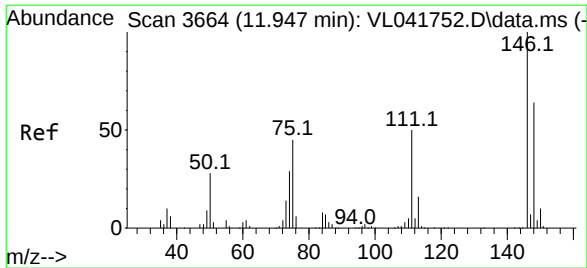
Delta R.T. 0.003 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:146 | Resp: | 4576  |
| Ion | Ratio   | Lower | Upper |
| 146 | 100     |       |       |
| 111 | 42.7    | 22.7  | 68.1  |
| 148 | 65.0    | 31.4  | 94.0  |





#77

1,2-Dichlorobenzene

Concen: 0.339 ppbv

RT: 11.953 min Scan# 3664

Delta R.T. 0.006 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

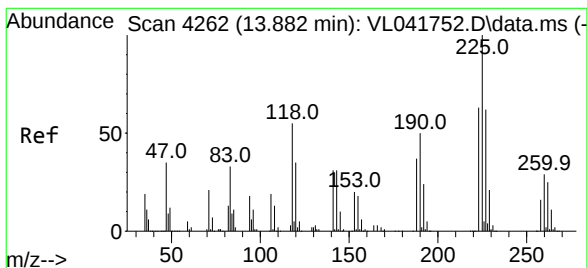
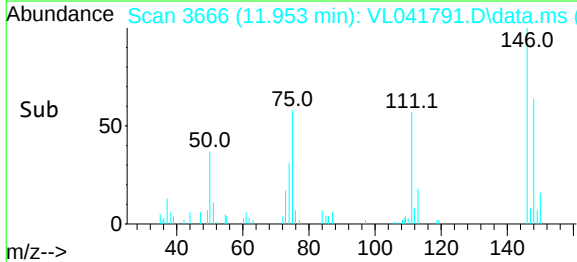
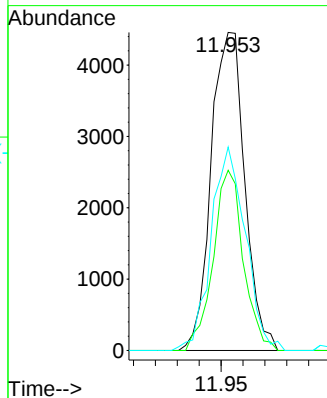
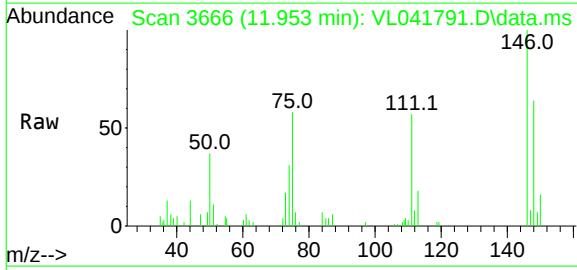
MDL 0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 4756  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 50.9  | 24.8  | 74.3  |
| 148      | 65.3  | 31.8  | 95.4  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#78

Hexachloro-1,3-Butadiene

Concen: 0.356 ppbv

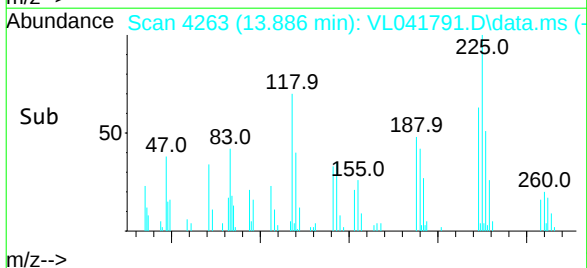
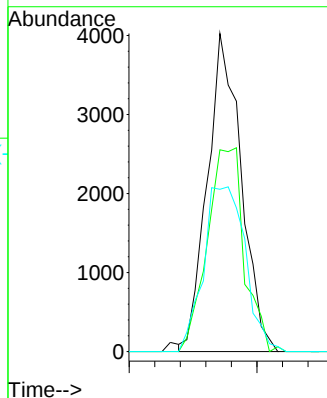
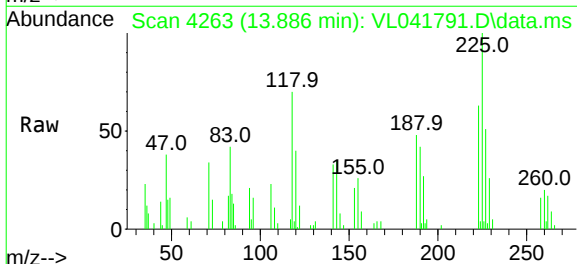
RT: 13.886 min Scan# 4263

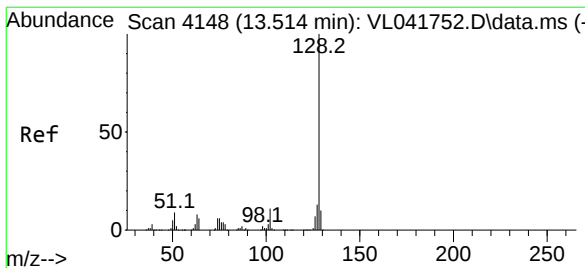
Delta R.T. 0.003 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 3702  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 69.9  | 50.5  | 75.7  |
| 227      | 64.1  | 50.3  | 75.5  |





#79

Naphthalene

Concen: 0.129 ppbv

RT: 13.517 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL041791.D

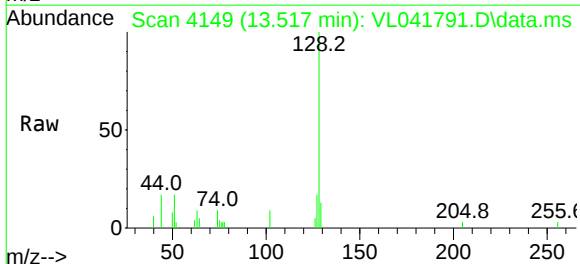
Acq: 18 Dec 2024 12:59

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

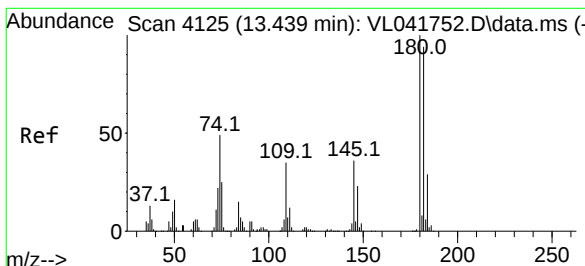
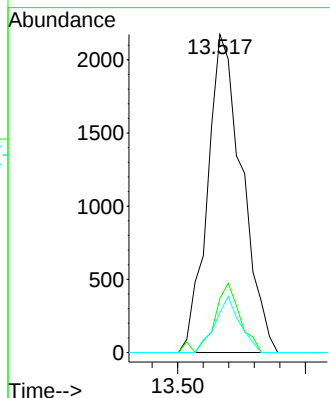
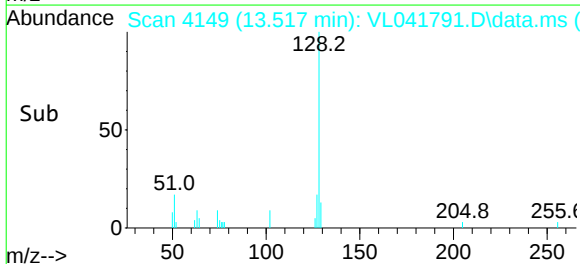


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 17.0  | 10.7  | 16.1  |
| 129     | 12.6  | 8.2   | 12.4  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024  
Supervised By :Mahesh Dadoda 12/23/2024



#81

1,2,4-Trichlorobenzene

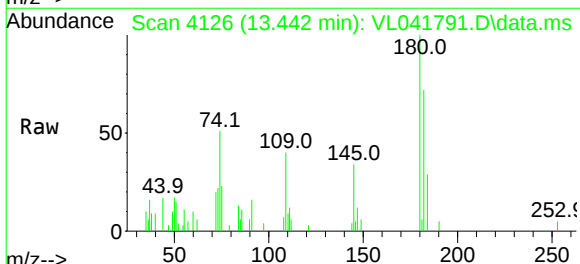
Concen: 0.198 ppbv

RT: 13.442 min Scan# 4126

Delta R.T. 0.003 min

Lab File: VL041791.D

Acq: 18 Dec 2024 12:59



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.9  | 77.0  | 115.6 |
| 184     | 34.8  | 23.8  | 35.8  |

