

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL011425\  
 Data File : VL041909.D  
 Acq On : 15 Jan 2025 00:52  
 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: Jan 15 04:23:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Tue Jan 14 23:15:42 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/15/2025  
 Supervised By : Mahesh Dadoda 01/15/2025

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.790 | 49   | 128860   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 383295   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.888 | 117  | 333507   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 264151   | 10.056   | ppbv       | 0.00 |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | = 100.600% |      |

| Target Compounds              |       |     |       |       |        | Qvalue |
|-------------------------------|-------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 8120  | 0.463 | ppbv   | 94     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 7777  | 0.423 | ppbv # | 90     |
| 4) Chloromethane              | 1.534 | 50  | 3403  | 0.516 | ppbv   | 93     |
| 5) Vinyl Chloride             | 1.580 | 62  | 2912  | 0.436 | ppbv   | 97     |
| 6) Bromomethane               | 1.667 | 94  | 1485  | 0.466 | ppbv   | 93     |
| 7) Chloroethane               | 1.706 | 64  | 1188  | 0.457 | ppbv   | 100    |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 7096  | 0.463 | ppbv   | 96     |
| 9) Propene                    | 1.482 | 41  | 3762  | 0.497 | ppbv   | 97     |
| 10) Heptane                   | 4.985 | 43  | 7527  | 0.372 | ppbv   | 94     |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 8237  | 0.451 | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluo... | 2.143 | 101 | 7095  | 0.496 | ppbv   | 93     |
| 13) Ethanol                   | 1.722 | 45  | 201m  | 0.362 | ppbv   |        |
| 14) Bromoethene               | 1.784 | 108 | 2298  | 0.439 | ppbv # | 93     |
| 15) Acetone                   | 1.839 | 43  | 8191  | 0.529 | ppbv   | 96     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 3484  | 0.502 | ppbv   | 91     |
| 17) tert-Butyl alcohol        | 2.046 | 59  | 8947  | 0.470 | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 3189  | 0.494 | ppbv   | 93     |
| 19) Isopropyl Alcohol         | 1.890 | 45  | 4628  | 0.504 | ppbv # | 32     |
| 20) Methylene Chloride        | 2.062 | 84  | 3288  | 0.538 | ppbv # | 93     |
| 21) Allyl Chloride            | 2.097 | 41  | 5012  | 0.468 | ppbv   | 94     |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 3387m | 0.465 | ppbv   |        |
| 23) Vinyl Acetate             | 2.466 | 43  | 2655  | 0.346 | ppbv # | 82     |
| 24) 1,1-Dichloroethane        | 2.411 | 63  | 7024  | 0.499 | ppbv # | 96     |
| 25) Ethyl Acetate             | 2.842 | 43  | 17135 | 0.411 | ppbv   | 99     |
| 26) Hexane                    | 2.829 | 57  | 6946  | 0.421 | ppbv   | 97     |
| 27) Carbon Disulfide          | 2.152 | 76  | 6747  | 0.413 | ppbv # | 9      |
| 28) Methyl tert-Butyl Ether   | 2.447 | 73  | 4186m | 0.332 | ppbv   |        |
| 29) Chloroform                | 2.852 | 83  | 11730 | 0.450 | ppbv   | 89     |
| 30) Cyclohexane               | 3.868 | 84  | 5075m | 0.354 | ppbv   |        |
| 31) cis-1,2-Dichloroethene    | 2.725 | 61  | 7392  | 0.425 | ppbv # | 78     |
| 32) 1,1,1-Trichloroethane     | 3.373 | 97  | 10701 | 0.429 | ppbv   | 95     |
| 34) 2-Butanone                | 2.564 | 43  | 10801 | 0.443 | ppbv   | 91     |
| 35) Carbon Tetrachloride      | 3.764 | 117 | 9944m | 0.413 | ppbv   |        |
| 36) Benzene                   | 3.661 | 78  | 14900 | 0.424 | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 3.227 | 62  | 9306  | 0.471 | ppbv   | 99     |
| 38) Trichloroethene           | 4.551 | 130 | 5808m | 0.416 | ppbv   |        |
| 39) 1,2-Dichloropropane       | 4.321 | 63  | 5275m | 0.428 | ppbv   |        |
| 40) 1,4-Dioxane               | 4.609 | 88  | 2777m | 0.446 | ppbv   |        |
| 41) Tetrahydrofuran           | 3.072 | 42  | 5497m | 0.415 | ppbv   |        |
| 42) Bromodichloromethane      | 4.493 | 83  | 10678 | 0.403 | ppbv # | 77     |
| 43) Methyl Methacrylate       | 4.887 | 69  | 4723  | 0.362 | ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane    | 4.645 | 57  | 21097 | 0.371 | ppbv   | 92     |
| 45) t-1,3-Dichloropropene     | 6.418 | 75  | 4439m | 0.363 | ppbv   |        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL011425\  
 Data File : VL041909.D  
 Acq On : 15 Jan 2025 00:52  
 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 01/15/2025  
 Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 04:23:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

| Compound                        | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|---------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene     | 5.616  | 75   | 5456m    | 0.340 | ppbv   |          |
| 47) 1,1,2-Trichloroethane       | 6.600  | 97   | 5738m    | 0.439 | ppbv   |          |
| 48) Dibromochloromethane        | 7.396  | 129  | 6582     | 0.326 | ppbv   | 85       |
| 49) Bromoform                   | 9.487  | 173  | 5519     | 0.333 | ppbv   | 94       |
| 50) 4-Methyl-2-Pentanone        | 5.781  | 43   | 12845m   | 0.386 | ppbv   |          |
| 51) 2-Hexanone                  | 7.454  | 43   | 8806m    | 0.344 | ppbv   |          |
| 52) Tetrachloroethene           | 8.234  | 164  | 4855     | 0.398 | ppbv   | 86       |
| 53) Toluene                     | 6.943  | 91   | 13991m   | 0.365 | ppbv   |          |
| 54) 1,2-Dibromoethane           | 7.655  | 107  | 8183m    | 0.455 | ppbv   |          |
| 56) 1,1,1,2-Tetrachloroethane   | 8.930  | 131  | 6956     | 0.418 | ppbv # | 1        |
| 57) Chlorobenzene               | 8.924  | 112  | 13810    | 0.449 | ppbv # | 84       |
| 58) Ethyl Benzene               | 9.360  | 91   | 17715    | 0.340 | ppbv   | 95       |
| 59) m/p-Xylene                  | 9.555  | 91   | 30237m   | 0.724 | ppbv   |          |
| 60) o-Xylene                    | 9.969  | 91   | 14413    | 0.348 | ppbv   | 92       |
| 61) Styrene                     | 9.872  | 104  | 6314     | 0.339 | ppbv   | 95       |
| 62) Isopropylbenzene            | 10.542 | 105  | 23571    | 0.367 | ppbv   | 100      |
| 63) 1,1,1,2,2-Tetrachloroethane | 9.969  | 83   | 11828    | 0.446 | ppbv   | 99       |
| 64) n-propylbenzene             | 10.989 | 120  | 5869m    | 0.362 | ppbv   |          |
| 65) tert-Butylbenzene           | 11.535 | 119  | 20807    | 0.356 | ppbv   | 97       |
| 66) Benzyl Chloride             | 11.620 | 91   | 957      | 0.264 | ppbv # | 89       |
| 67) sec-Butylbenzene            | 11.775 | 105  | 30791    | 0.382 | ppbv   | 99       |
| 69) p-Isopropyltoluene          | 11.930 | 119  | 22247    | 0.336 | ppbv   | 96       |
| 70) n-Butylbenzene              | 12.286 | 91   | 21785    | 0.331 | ppbv   | 99       |
| 71) 2-Chlorotoluene             | 10.908 | 91   | 17558    | 0.370 | ppbv   | 99       |
| 72) 4-Ethyltoluene              | 11.128 | 105  | 16480    | 0.332 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene      | 11.209 | 105  | 14915    | 0.341 | ppbv   | 93       |
| 74) 1,2,4-Trimethylbenzene      | 11.542 | 105  | 17372    | 0.366 | ppbv   | 95       |
| 75) 1,3-Dichlorobenzene         | 11.613 | 146  | 12970    | 0.461 | ppbv   | 95       |
| 76) 1,4-Dichlorobenzene         | 11.675 | 146  | 11879    | 0.432 | ppbv   | 96       |
| 77) 1,2-Dichlorobenzene         | 11.953 | 146  | 12185    | 0.437 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene    | 13.889 | 225  | 9510     | 0.416 | ppbv   | 97       |
| 79) Naphthalene                 | 13.520 | 128  | 15877    | 0.332 | ppbv # | 92       |
| 80) Naphthalene,2-methyl-       | 14.468 | 142  | 6349     | 0.280 | ppbv   | 88       |
| 81) 1,2,4-Trichlorobenzene      | 13.445 | 180  | 8539     | 0.366 | ppbv   | 96       |

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

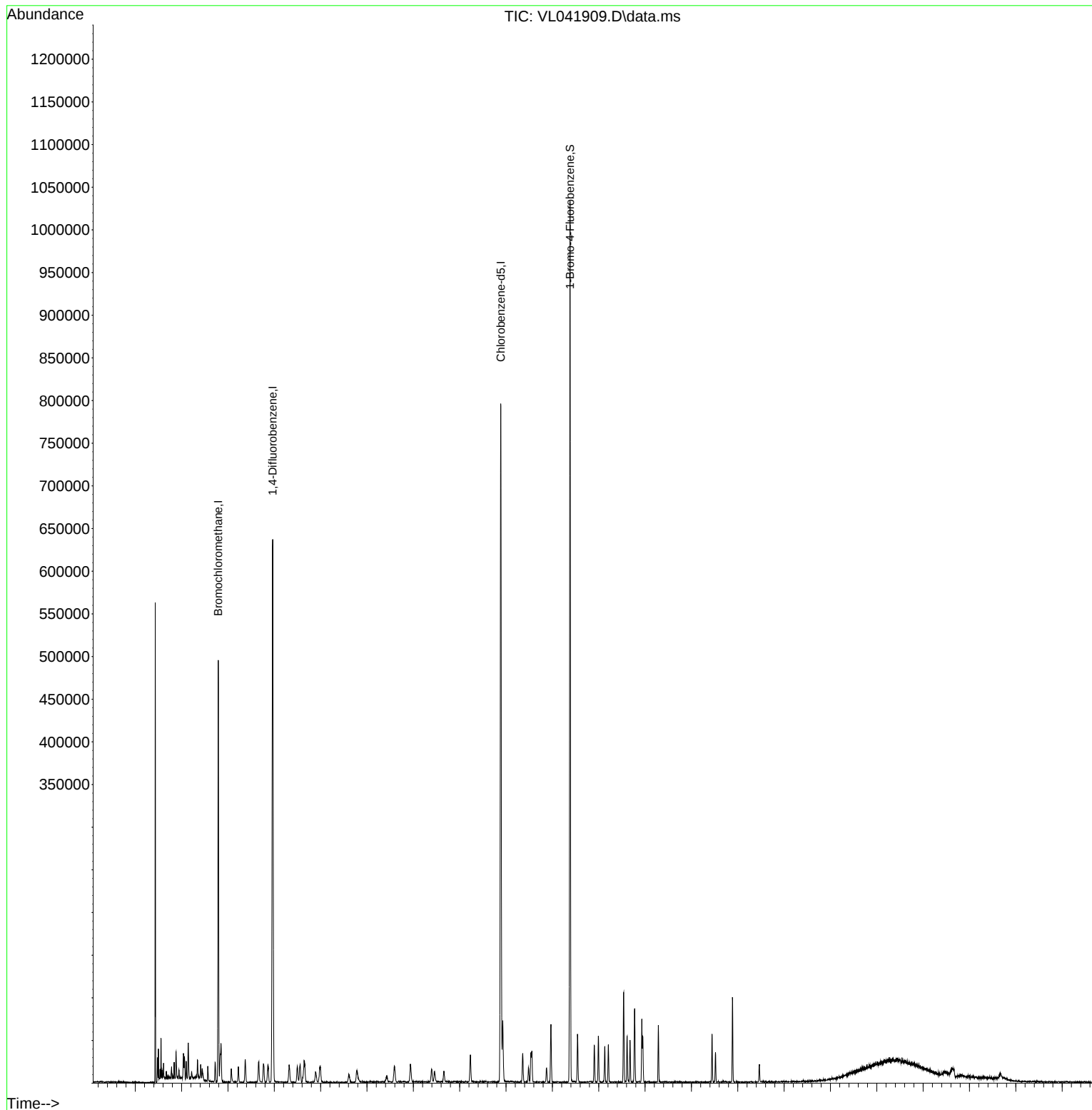
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Data File : VL041909.D  
Acq On : 15 Jan 2025 00:52  
Operator : SY/MD  
Sample : MDL 0.4  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

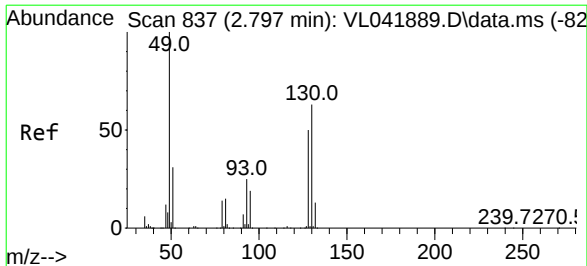
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Quant Time: Jan 15 04:23:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Tue Jan 14 23:15:42 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

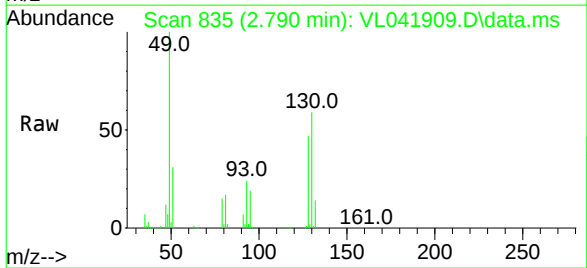
Reviewed By : Semsettin Yesilyurt 01/15/2025  
Supervised By : Mahesh Dadoda 01/15/2025





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.790 min Scan# 837  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

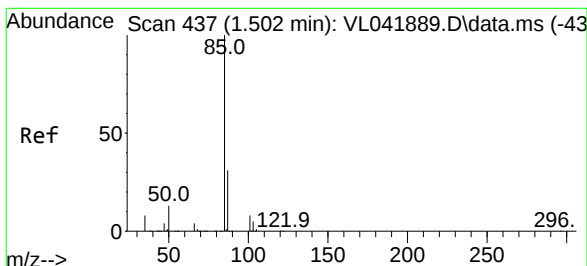
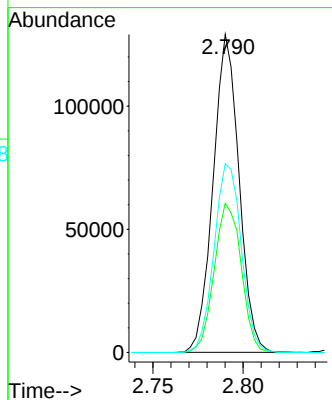
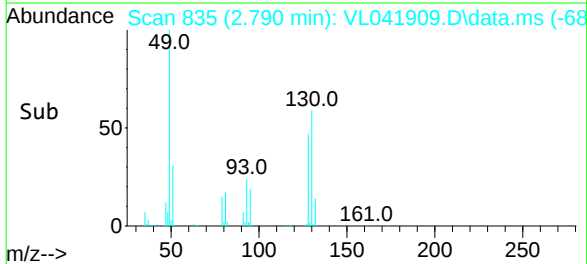
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



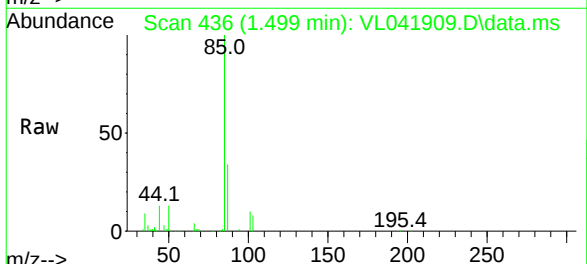
Tgt Ion: 49 Resp: 128860  
Ion Ratio Lower Upper  
49 100  
128 48.9 24.3 73.0  
130 62.5 31.1 93.2

Manual Integrations  
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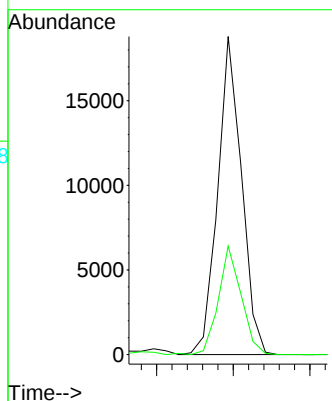
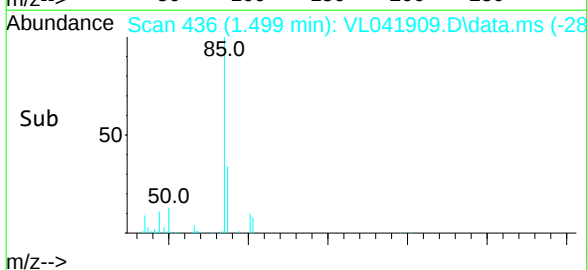
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025

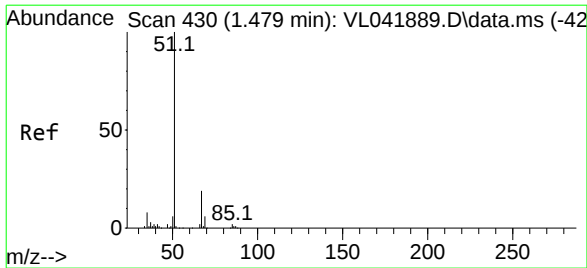


#2  
Dichlorodifluoromethane  
Concen: 0.463 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52



Tgt Ion: 85 Resp: 8120  
Ion Ratio Lower Upper  
85 100  
87 34.1 24.9 37.3





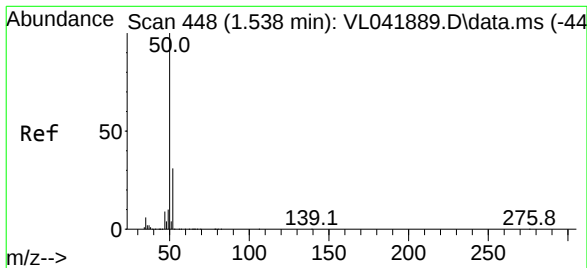
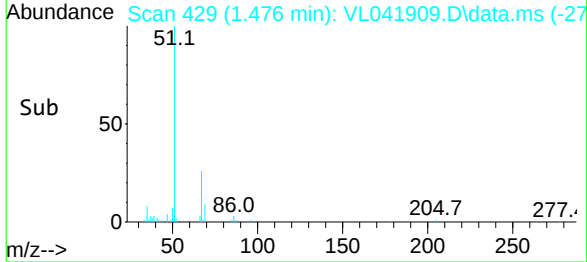
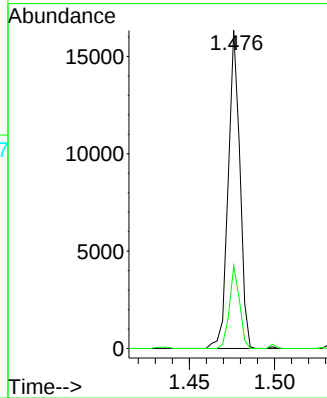
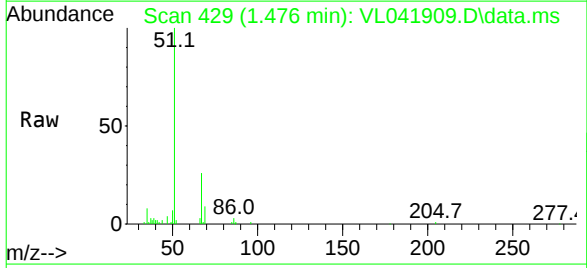
#3  
Chlorodifluoromethane  
Concen: 0.423 ppbv  
RT: 1.476 min Scan# 42  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion: 51 Resp: 7777  
Ion Ratio Lower Upper  
51 100  
67 23.2 15.0 22.4#

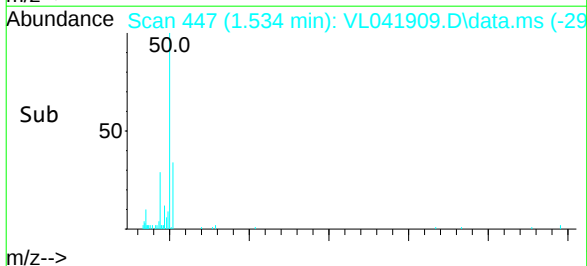
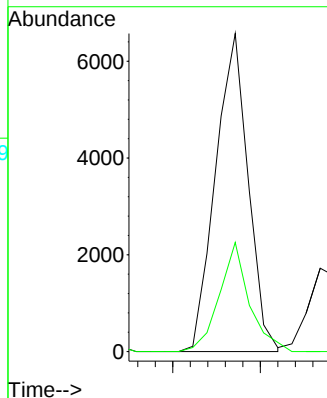
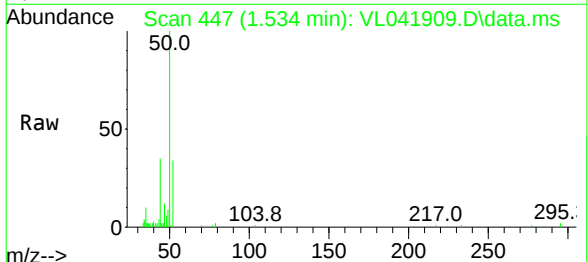
Manual Integrations  
APPROVED

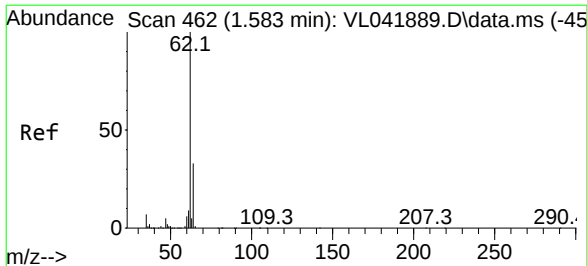
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#4  
Chloromethane  
Concen: 0.516 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

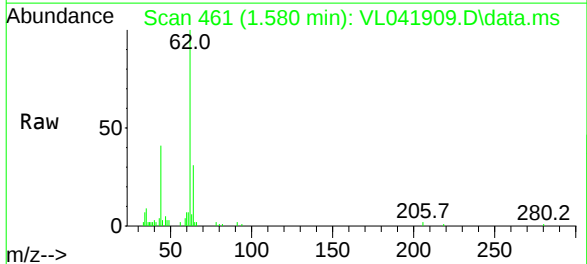
Tgt Ion: 50 Resp: 3403  
Ion Ratio Lower Upper  
50 100  
52 34.3 24.6 36.8





#5  
 Vinyl Chloride  
 Concen: 0.436 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. -0.003 min  
 Lab File: VL041909.D  
 Acq: 15 Jan 2025 00:52

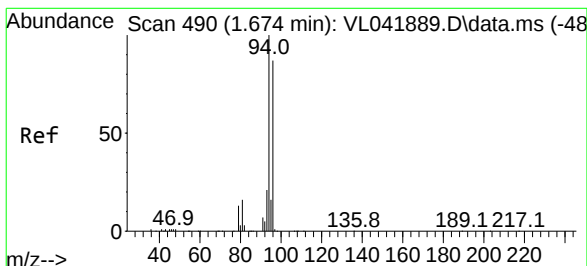
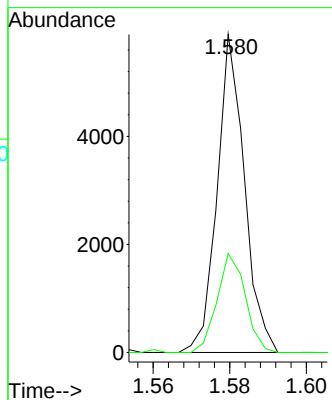
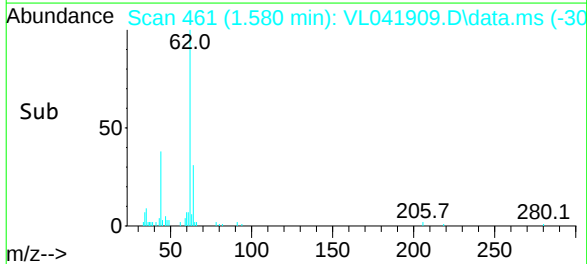
Instrument : MSVOA\_L  
 ClientSampleId :  
 MDL 0.4



Tgt Ion: 62 Resp: 2912  
 Ion Ratio Lower Upper  
 62 100  
 64 31.1 26.1 39.1

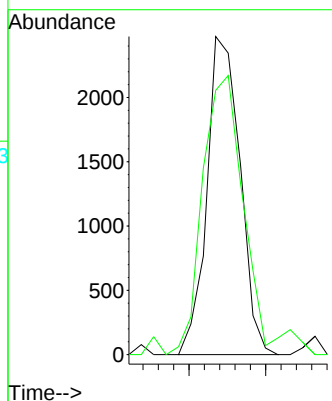
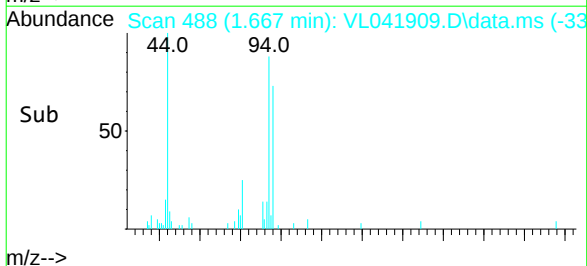
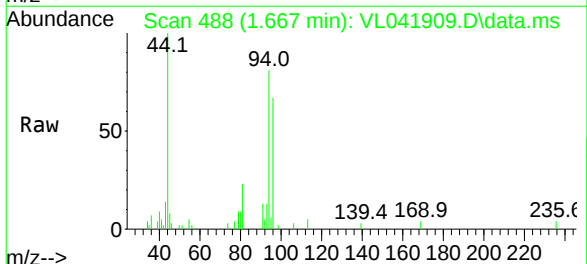
Manual Integrations  
 APPROVED

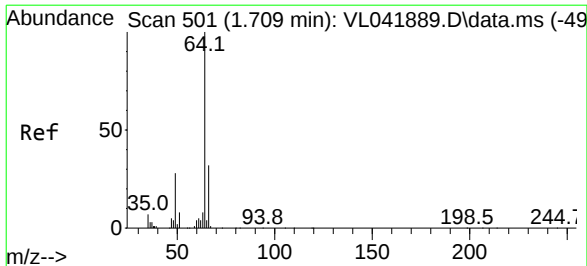
Reviewed By :Semsettin Yesilyurt 01/15/2025  
 Supervised By :Mahesh Dadoda 01/15/2025



#6  
 Bromomethane  
 Concen: 0.466 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. -0.007 min  
 Lab File: VL041909.D  
 Acq: 15 Jan 2025 00:52

Tgt Ion: 94 Resp: 1485  
 Ion Ratio Lower Upper  
 94 100  
 96 80.6 69.5 104.3





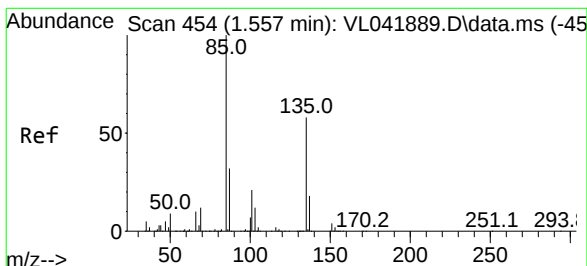
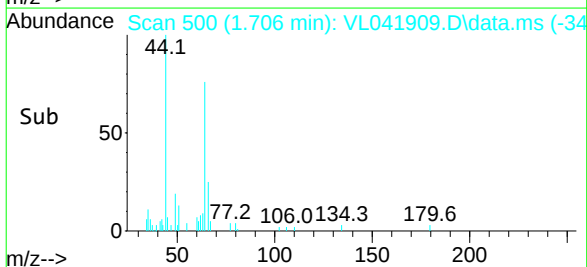
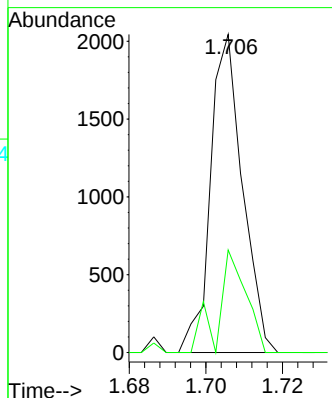
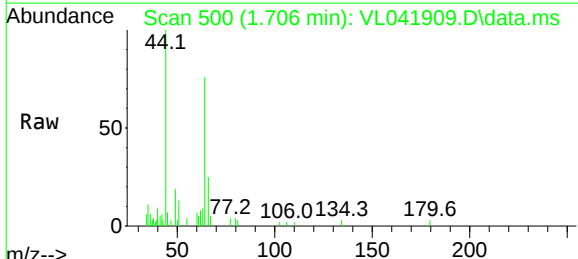
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Chloroethane  
Concen: 0.457 ppbv  
RT: 1.706 min Scan# 501  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4

Tgt Ion: 64 Resp: 1188  
Ion Ratio Lower Upper  
64 100  
66 32.2 25.7 38.5

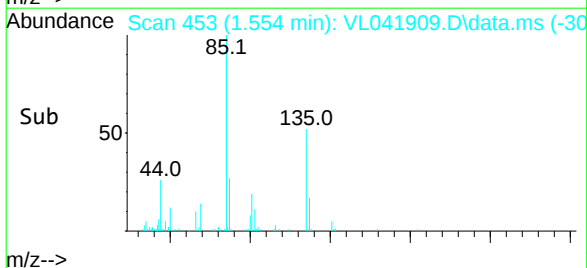
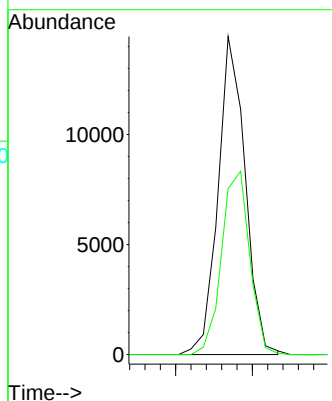
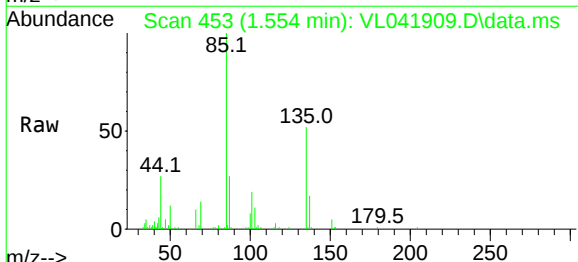
Manual Integrations  
APPROVED

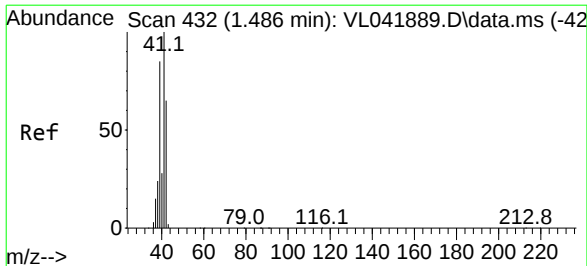
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#8  
Dichlorotetrafluoroethane  
Concen: 0.463 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

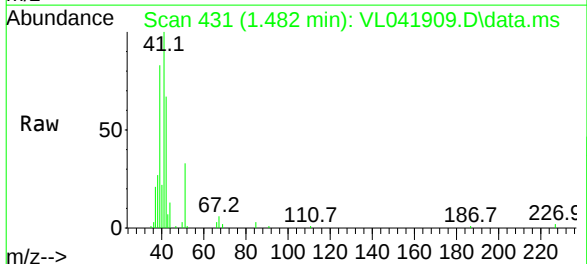
Tgt Ion: 85 Resp: 7096  
Ion Ratio Lower Upper  
85 100  
135 59.7 50.0 75.0





#9  
 Propene  
 Concen: 0.497 ppbv  
 RT: 1.482 min Scan# 431  
 Delta R.T. -0.003 min  
 Lab File: VL041909.D  
 Acq: 15 Jan 2025 00:52

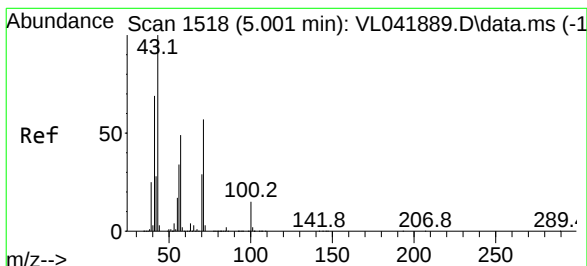
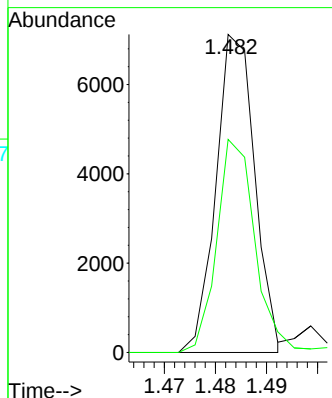
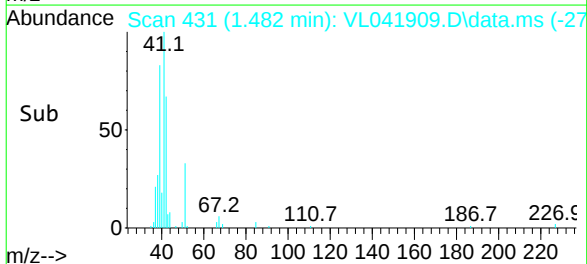
Instrument : MSVOA\_L  
 ClientSampleId : MDL 0.4



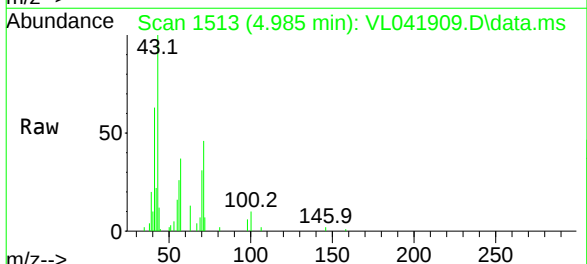
Tgt Ion: 41 Resp: 3762  
 Ion Ratio Lower Upper  
 41 100  
 42 67.7 52.0 78.0

Manual Integrations  
 APPROVED

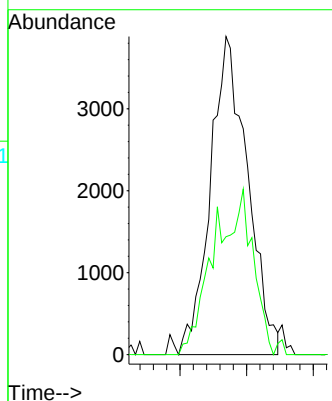
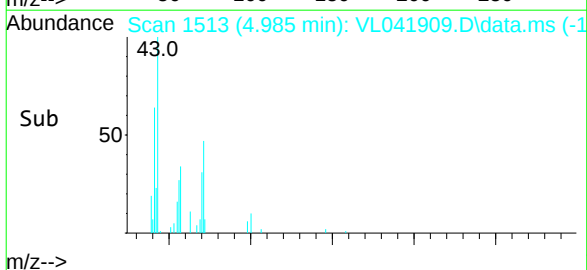
Reviewed By :Semsettin Yesilyurt 01/15/2025  
 Supervised By :Mahesh Dadoda 01/15/2025

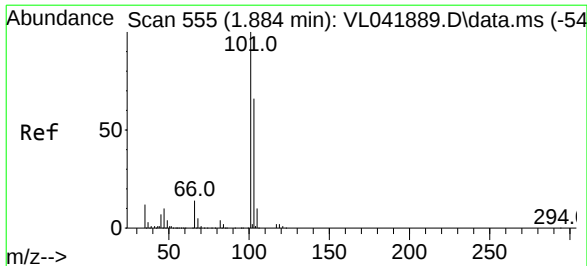


#10  
 Heptane  
 Concen: 0.372 ppbv  
 RT: 4.985 min Scan# 1513  
 Delta R.T. -0.016 min  
 Lab File: VL041909.D  
 Acq: 15 Jan 2025 00:52



Tgt Ion: 43 Resp: 7527  
 Ion Ratio Lower Upper  
 43 100  
 57 55.3 41.0 61.4





#11

Trichlorofluoromethane

Concen: 0.451 ppbv

RT: 1.881 min Scan# 555

Delta R.T. -0.003 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

Tgt Ion:101 Resp: 8237

Ion Ratio Lower Upper

101 100

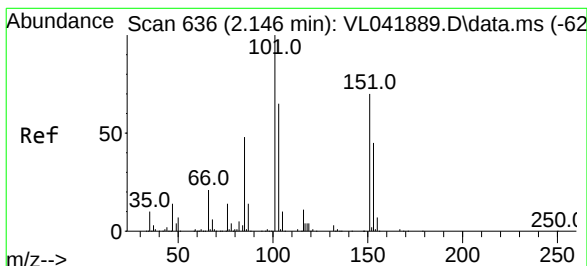
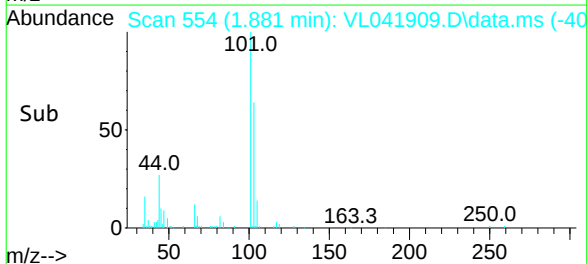
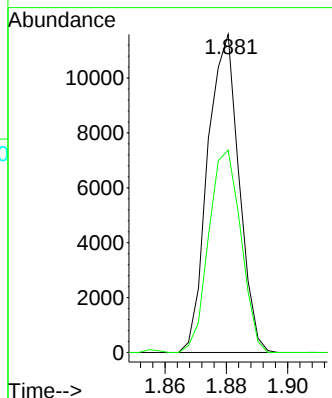
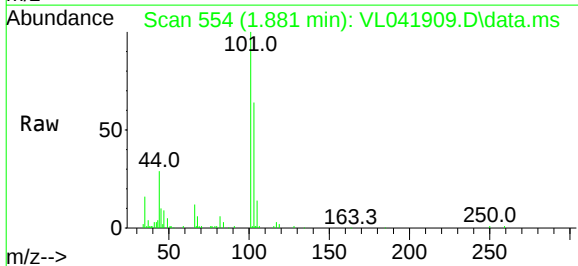
103 63.6 53.1 79.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.496 ppbv

RT: 2.143 min Scan# 635

Delta R.T. -0.003 min

Lab File: VL041909.D

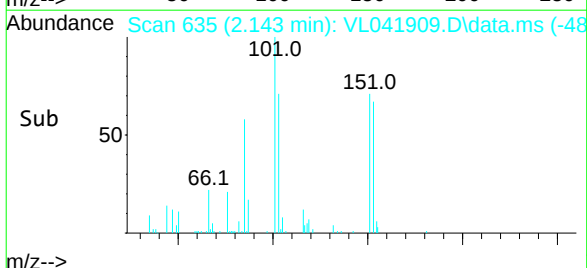
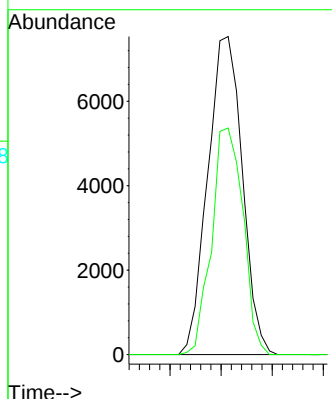
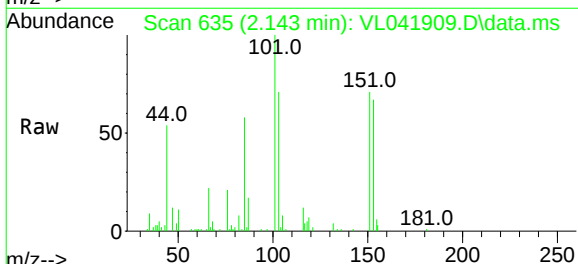
Acq: 15 Jan 2025 00:52

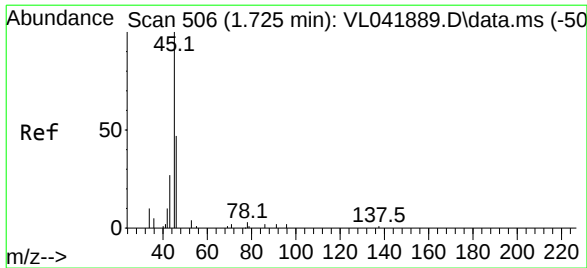
Tgt Ion:101 Resp: 7095

Ion Ratio Lower Upper

101 100

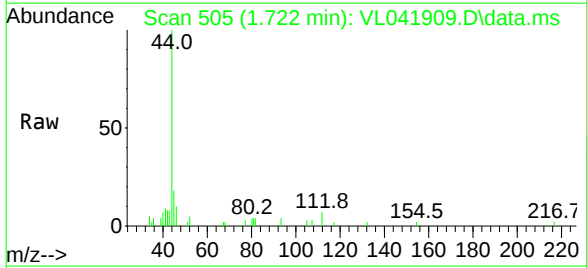
151 64.6 56.1 84.1





#13  
Ethanol  
Concen: 0.362 ppbv m  
RT: 1.722 min Scan# 506  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

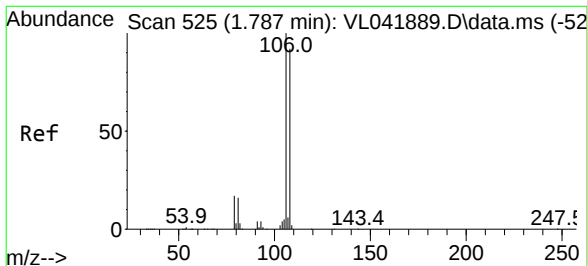
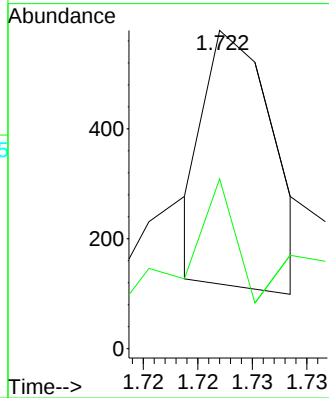
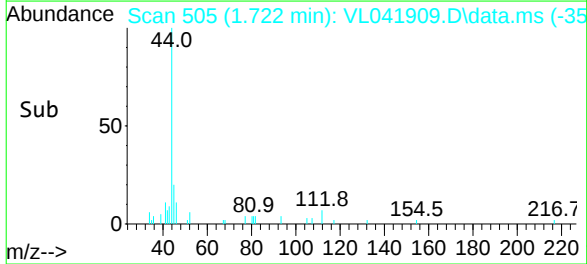
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



Tgt Ion: 45 Resp: 201  
Ion Ratio Lower Upper  
45 100  
46 102.5 18.1 72.5#

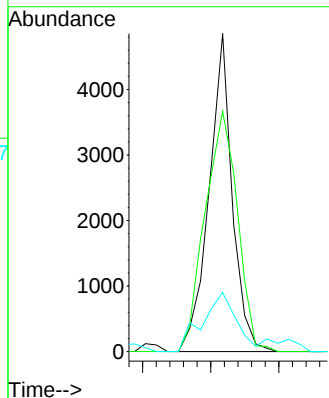
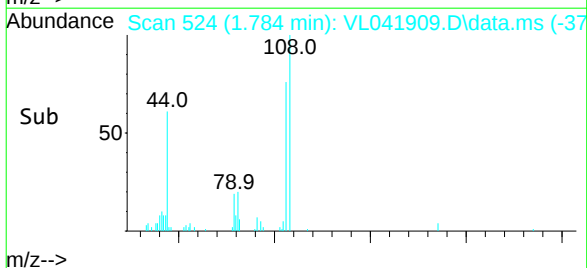
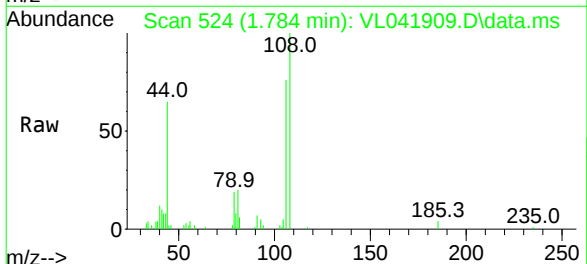
Manual Integrations  
APPROVED

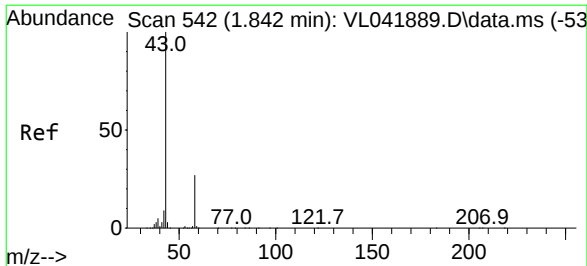
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#14  
Bromoethene  
Concen: 0.439 ppbv  
RT: 1.784 min Scan# 524  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Tgt Ion:108 Resp: 2298  
Ion Ratio Lower Upper  
108 100  
106 105.3 85.5 128.3  
79 34.9 15.3 22.9#





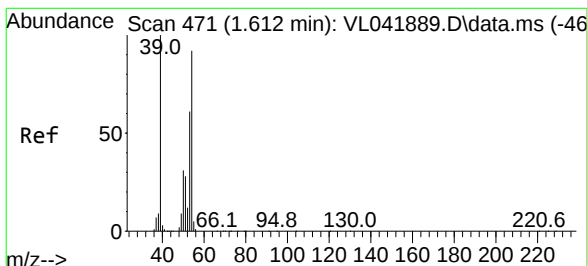
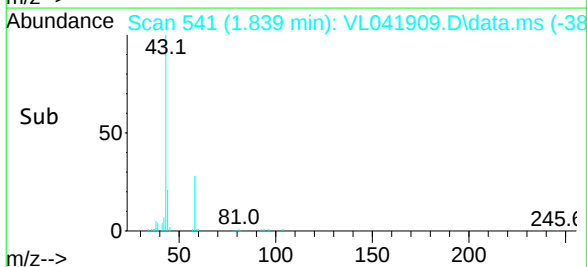
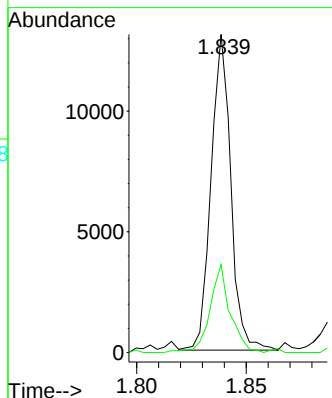
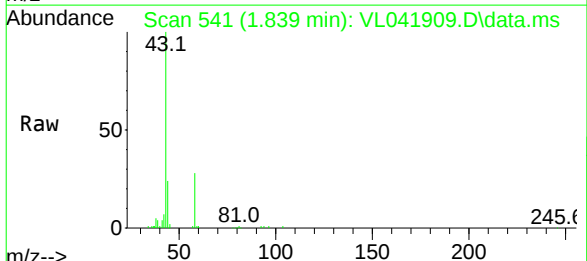
#15  
Acetone  
Concen: 0.529 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4

Tgt Ion: 43 Resp: 8191  
Ion Ratio Lower Upper  
43 100  
58 29.2 21.9 32.9

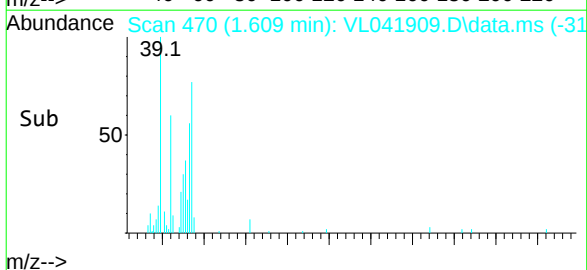
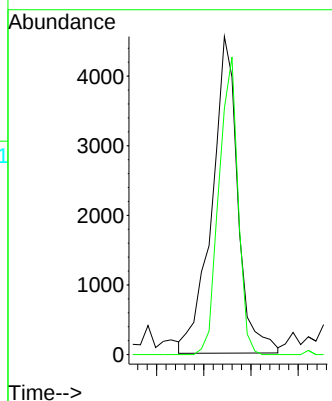
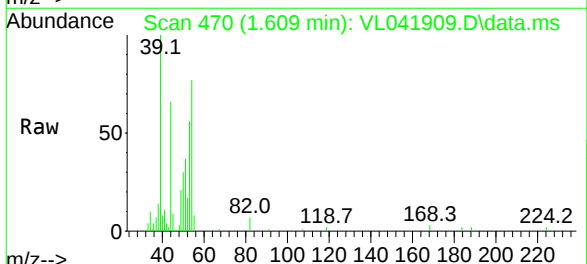
Manual Integrations  
APPROVED

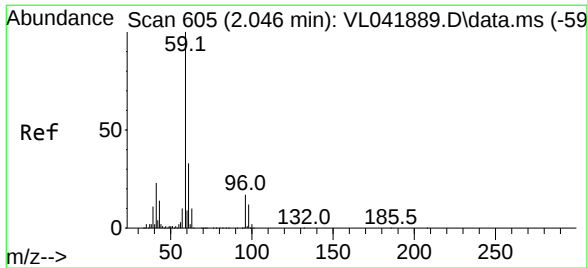
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#16  
1,3-Butadiene  
Concen: 0.502 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Tgt Ion: 39 Resp: 3484  
Ion Ratio Lower Upper  
39 100  
54 69.0 61.6 92.4





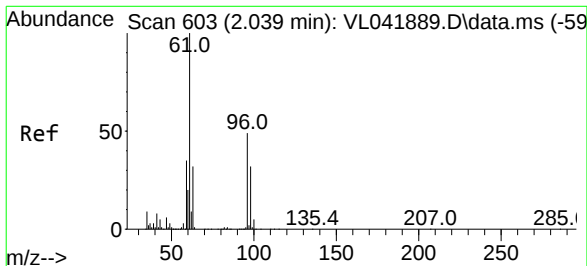
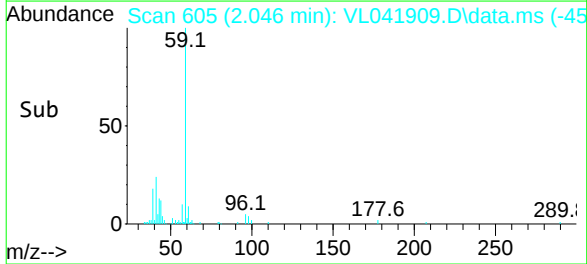
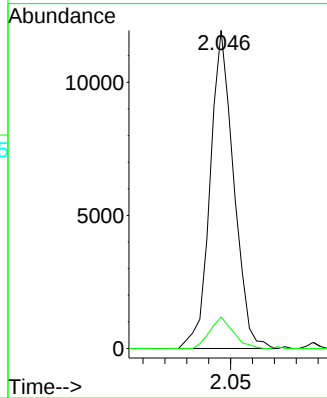
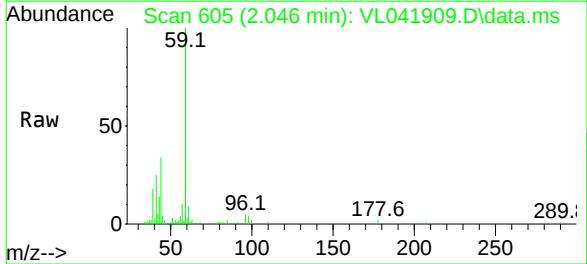
#17  
tert-Butyl alcohol  
Concen: 0.470 ppbv  
RT: 2.046 min Scan# 601  
Delta R.T. -0.000 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion: 59 Resp: 8947  
Ion Ratio Lower Upper  
59 100  
57 10.0 7.8 11.8

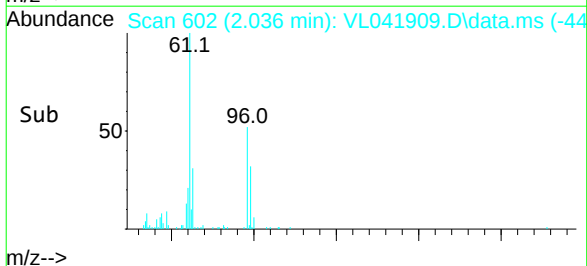
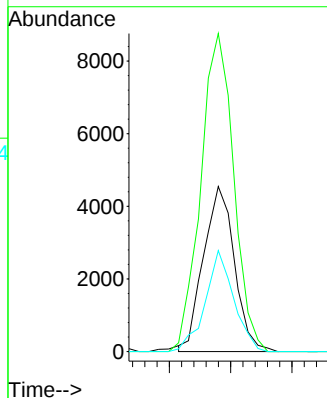
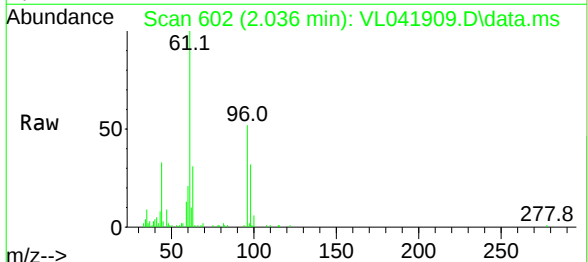
Manual Integrations  
APPROVED

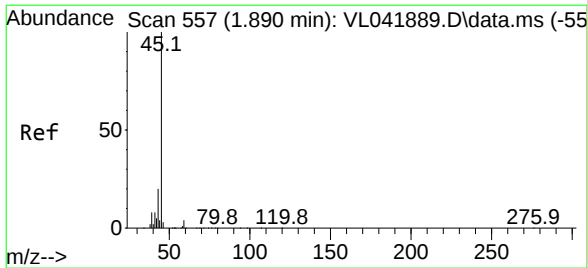
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#18  
1,1-Dichloroethene  
Concen: 0.494 ppbv  
RT: 2.036 min Scan# 602  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Tgt Ion: 96 Resp: 3189  
Ion Ratio Lower Upper  
96 100  
61 192.7 163.1 244.7  
98 61.2 52.7 79.1





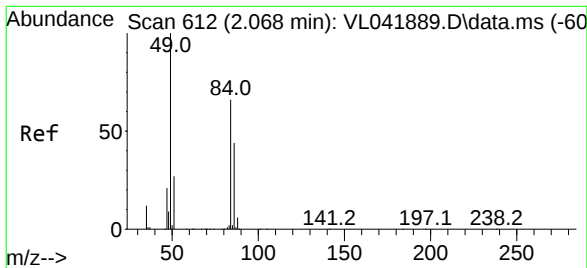
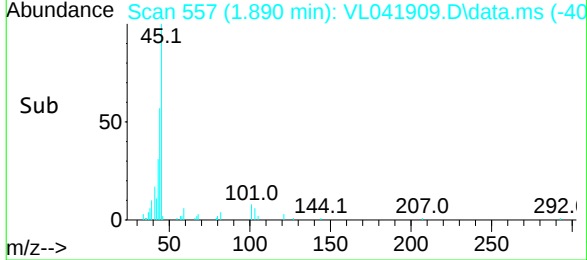
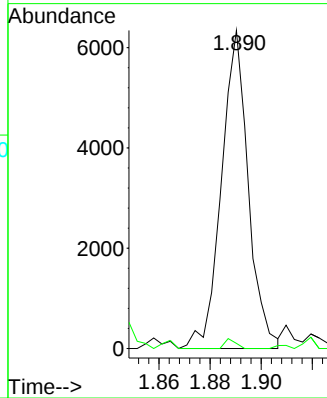
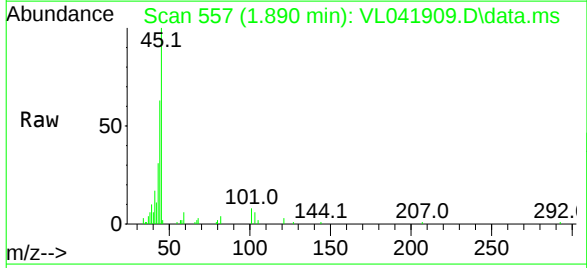
#19  
Isopropyl Alcohol  
Concen: 0.504 ppbv  
RT: 1.890 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion: 45 Resp: 4628  
Ion Ratio Lower Upper  
45 100  
58 0.0 35.0 52.6#

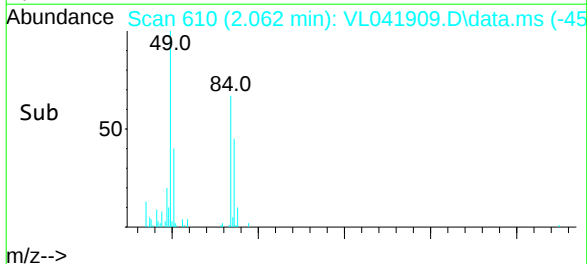
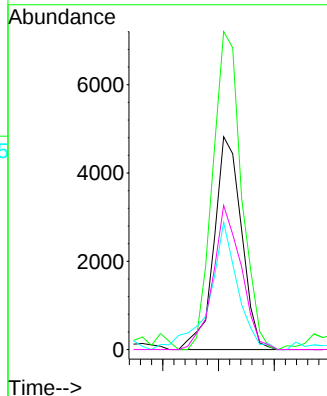
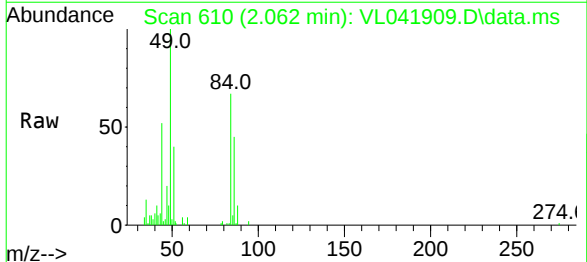
Manual Integrations  
APPROVED

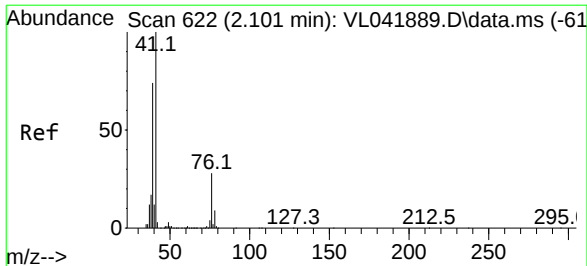
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#20  
Methylene Chloride  
Concen: 0.538 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Tgt Ion: 84 Resp: 3288  
Ion Ratio Lower Upper  
84 100  
49 149.4 123.1 184.7  
51 62.9 35.8 53.8#  
86 67.7 53.7 80.5





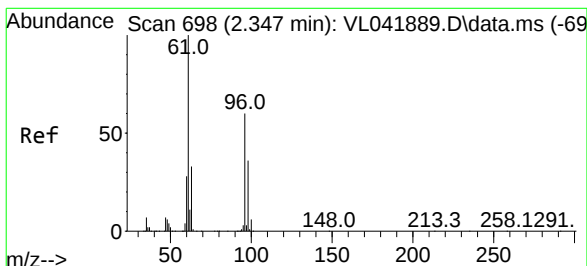
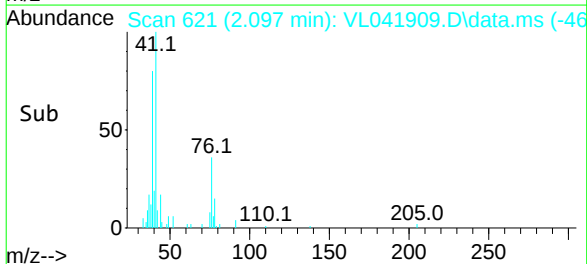
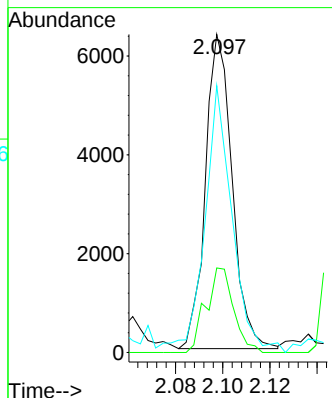
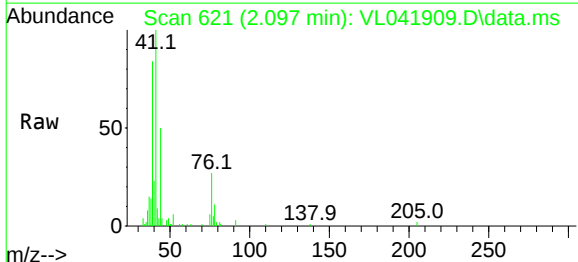
#21  
 Allyl Chloride  
 Concen: 0.468 ppbv  
 RT: 2.097 min Scan# 621  
 Delta R.T. -0.003 min  
 Lab File: VL041909.D  
 Acq: 15 Jan 2025 00:52

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 5012  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 76       | 27.8  | 24.2  | 36.4  |
| 39       | 81.4  | 60.6  | 91.0  |

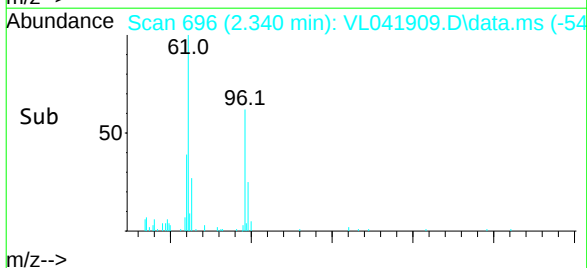
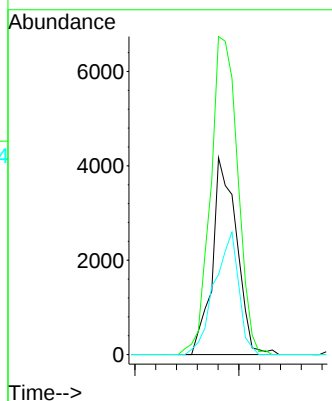
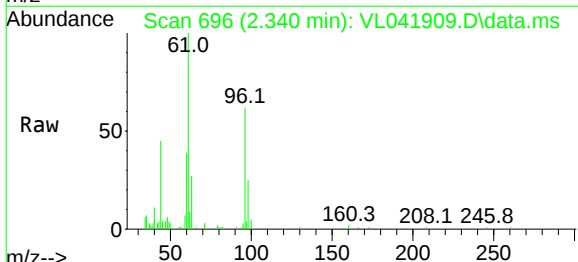
Manual Integrations  
 APPROVED

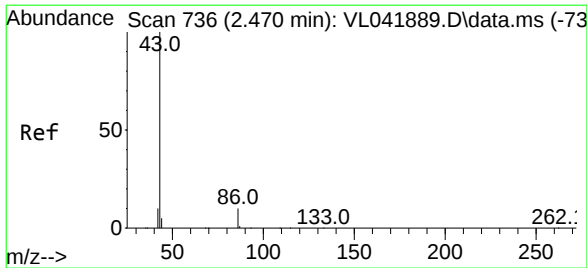
Reviewed By :Semsettin Yesilyurt 01/15/2025  
 Supervised By :Mahesh Dadoda 01/15/2025



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.465 ppbv m  
 RT: 2.340 min Scan# 696  
 Delta R.T. -0.007 min  
 Lab File: VL041909.D  
 Acq: 15 Jan 2025 00:52

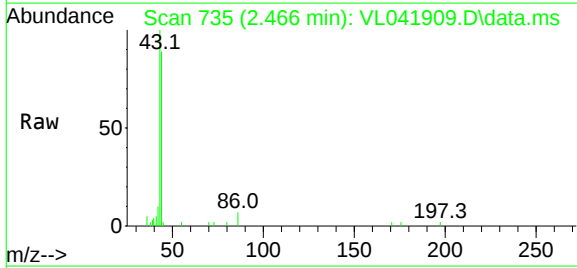
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 3387  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 161.5 | 134.5 | 201.7 |
| 98       | 40.5  | 48.9  | 73.3# |





#23  
 Vinyl Acetate  
 Concen: 0.346 ppbv  
 RT: 2.466 min Scan# 736  
 Delta R.T. -0.003 min  
 Lab File: VL041909.D  
 Acq: 15 Jan 2025 00:52

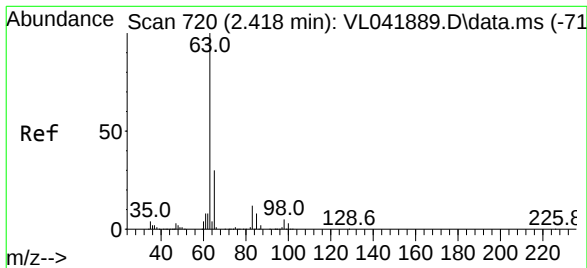
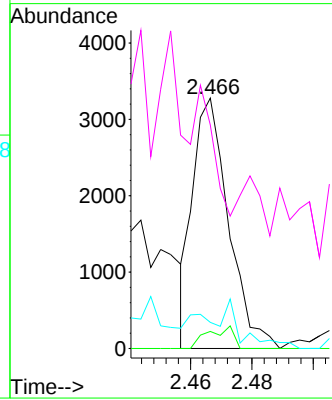
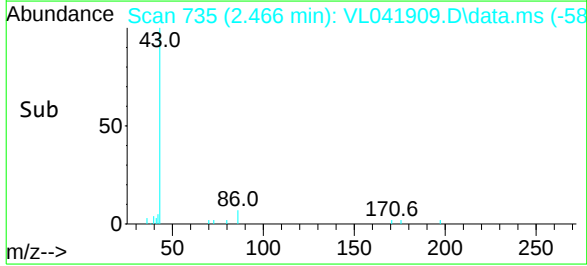
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4



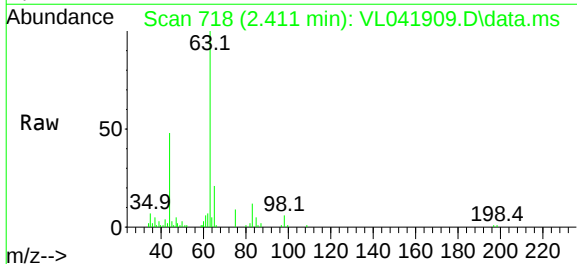
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 6.8   | 6.2   | 9.4   |
| 42      | 8.1   | 8.5   | 12.7# |
| 44      | 25.2  | 4.8   | 7.2#  |

Manual Integrations  
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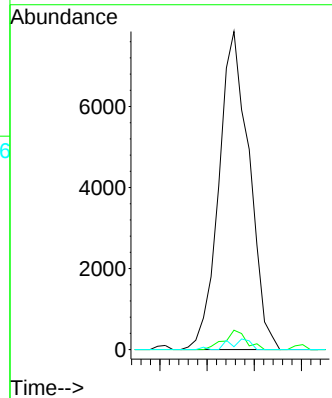
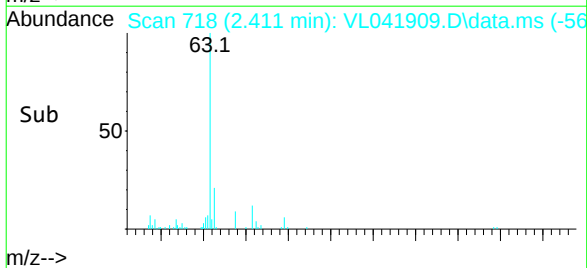
Reviewed By :Semsettin Yesilyurt 01/15/2025  
 Supervised By :Mahesh Dadoda 01/15/2025

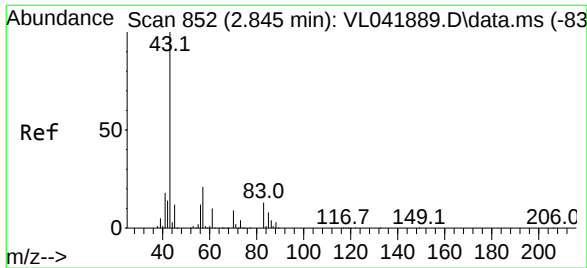


#24  
 1,1-Dichloroethane  
 Concen: 0.499 ppbv  
 RT: 2.411 min Scan# 718  
 Delta R.T. -0.007 min  
 Lab File: VL041909.D  
 Acq: 15 Jan 2025 00:52



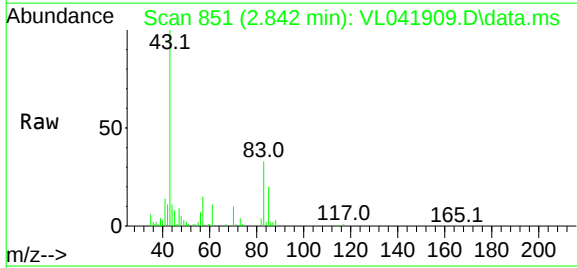
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 6.1   | 2.6   | 7.8   |
| 100     | 0.9   | 1.4   | 4.2#  |





#25  
Ethyl Acetate  
Concen: 0.411 ppbv  
RT: 2.842 min Scan# 851  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

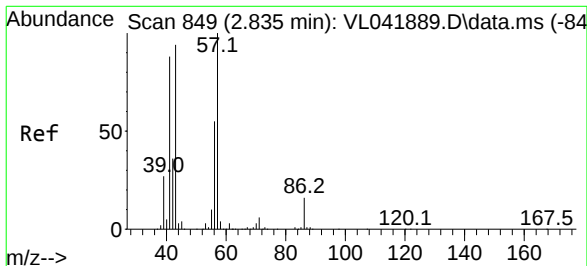
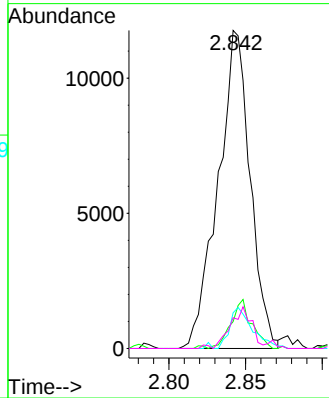
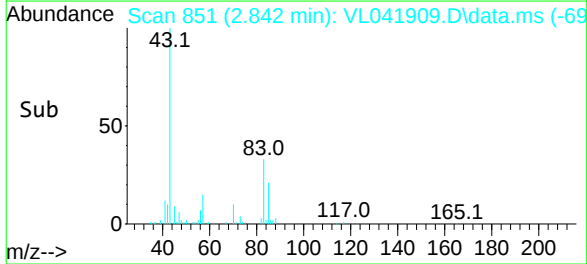
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



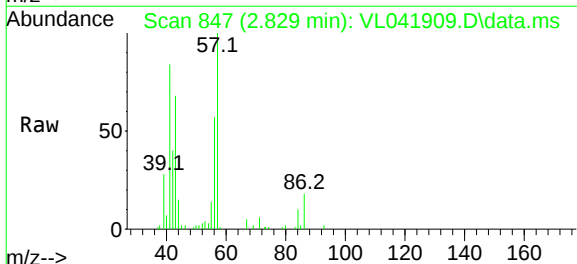
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 45      | 10.2  | 8.2   | 12.2  |
| 61      | 9.4   | 7.4   | 11.0  |
| 70      | 9.5   | 7.0   | 10.4  |

Manual Integrations  
APPROVED

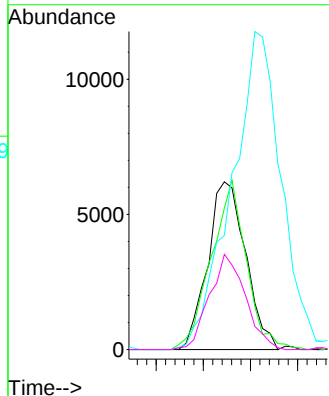
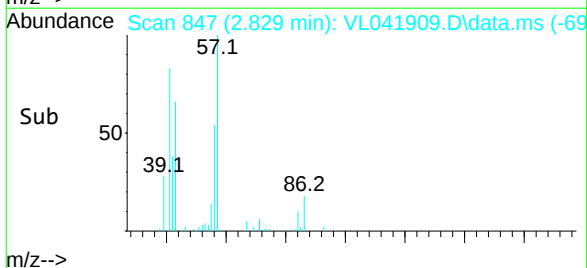
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025

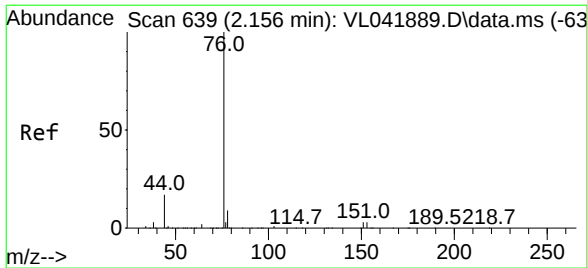


#26  
Hexane  
Concen: 0.421 ppbv  
RT: 2.829 min Scan# 847  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52



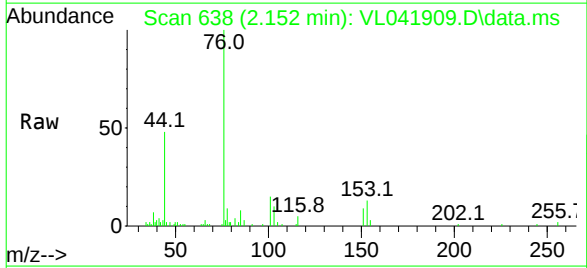
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 57      | 100   |       |       |
| 41      | 94.4  | 73.8  | 110.8 |
| 43      | 253.8 | 197.3 | 295.9 |
| 56      | 53.6  | 42.7  | 64.1  |





#27  
Carbon Disulfide  
Concen: 0.413 ppbv  
RT: 2.152 min Scan# 639  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

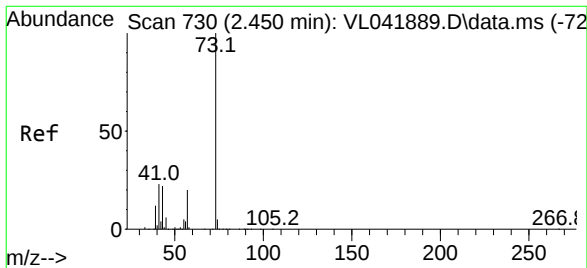
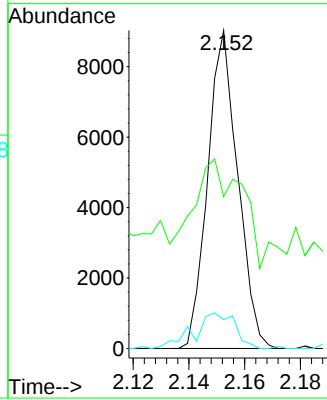
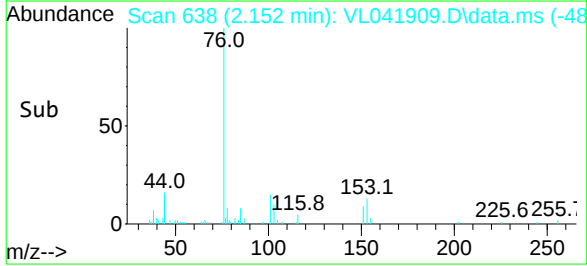
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



Tgt Ion: 76 Resp: 6747  
Ion Ratio Lower Upper  
76 100  
44 82.9 15.4 23.0#  
78 15.4 9.3 13.9#

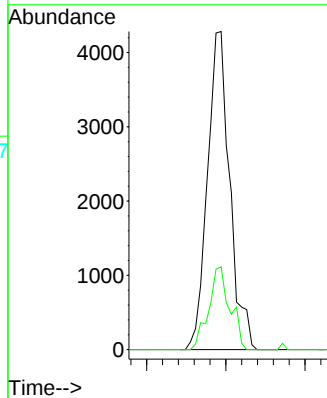
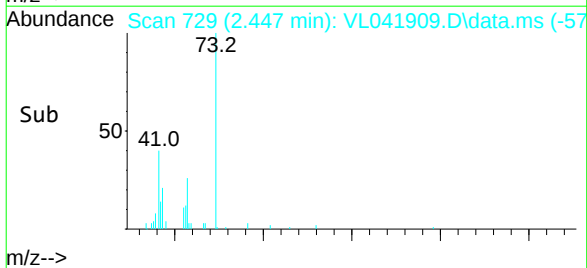
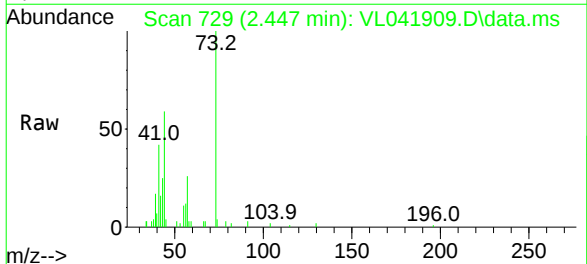
Manual Integrations  
APPROVED

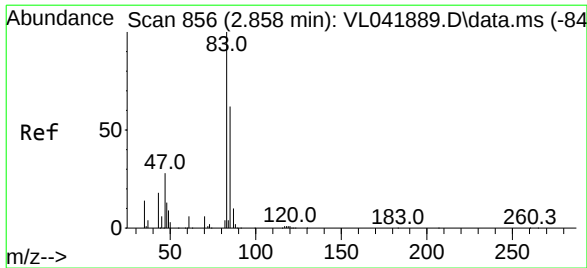
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#28  
Methyl tert-Butyl Ether  
Concen: 0.332 ppbv m  
RT: 2.447 min Scan# 729  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Tgt Ion: 73 Resp: 4186  
Ion Ratio Lower Upper  
73 100  
57 25.0 18.1 27.1





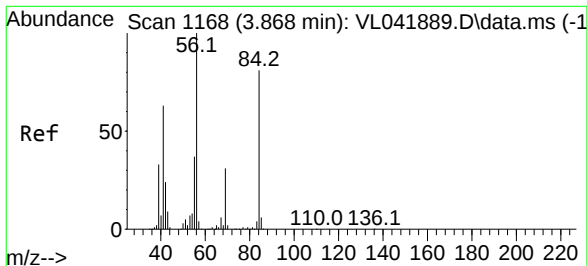
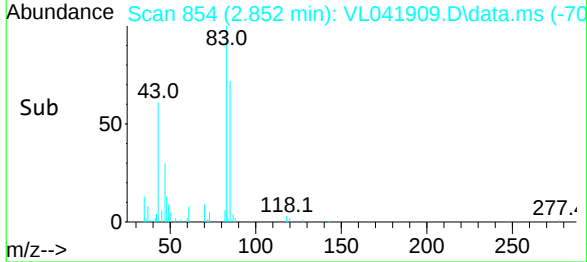
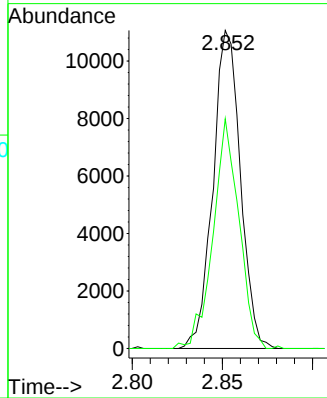
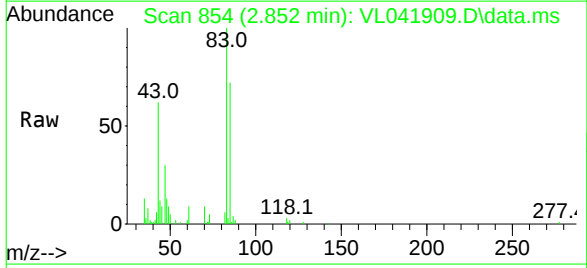
#29  
Chloroform  
Concen: 0.450 ppbv  
RT: 2.852 min Scan# 856  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4

Tgt Ion: 83 Resp: 11730  
Ion Ratio Lower Upper  
83 100  
85 71.4 50.1 75.1

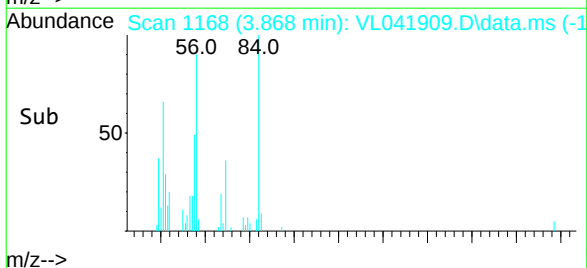
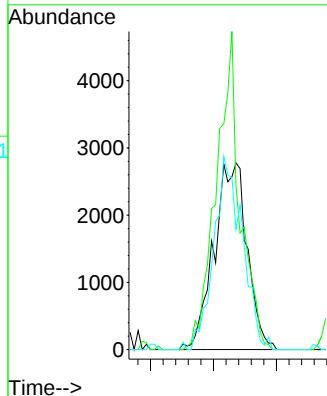
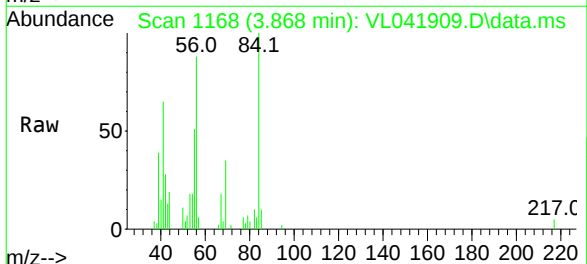
Manual Integrations  
APPROVED

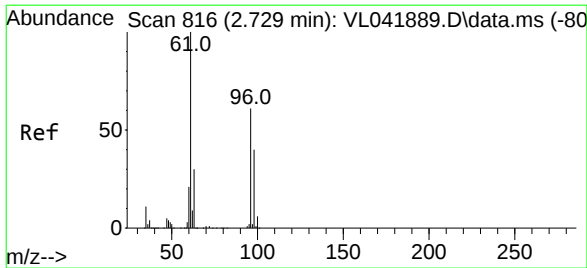
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#30  
Cyclohexane  
Concen: 0.354 ppbv m  
RT: 3.868 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Tgt Ion: 84 Resp: 5075  
Ion Ratio Lower Upper  
84 100  
56 0.0 99.3 148.9#  
41 89.3 64.3 96.5





#31

cis-1,2-Dichloroethene

Concen: 0.425 ppbv

RT: 2.725 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

Instrument :

MSVOA\_L

ClientSampleId :

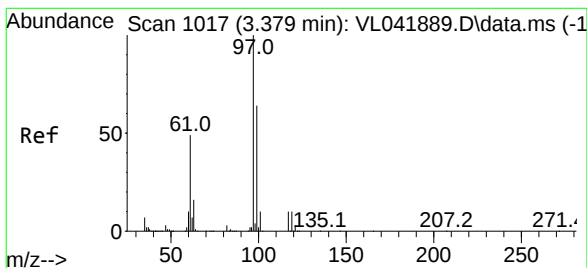
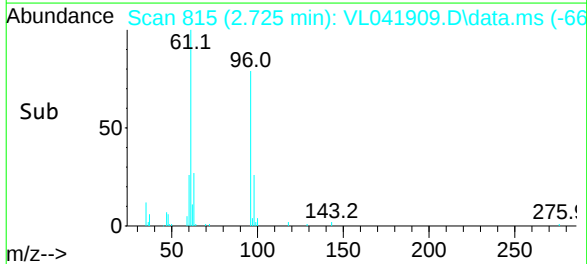
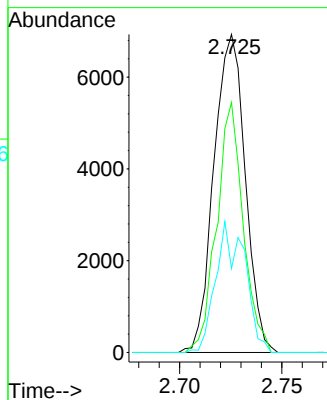
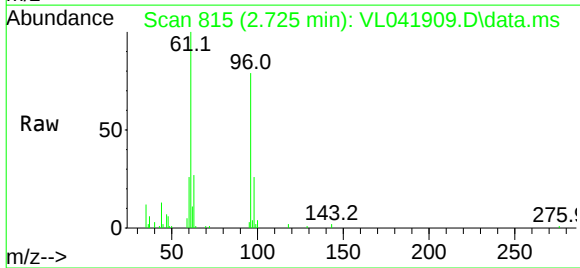
MDL 0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 61    | Resp: | 7392  |
| Ion      | Ratio | Lower | Upper |
| 61       | 100   |       |       |
| 96       | 78.6  | 48.7  | 73.1# |
| 98       | 26.4  | 31.6  | 47.4# |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#32

1,1,1-Trichloroethane

Concen: 0.429 ppbv

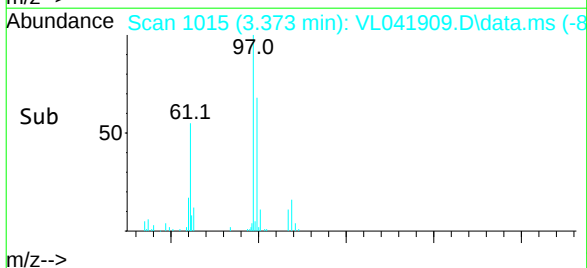
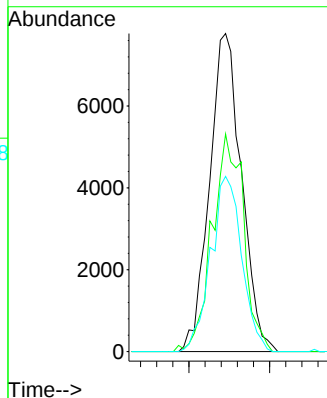
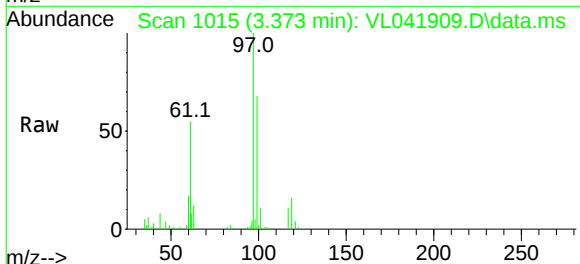
RT: 3.373 min Scan# 1015

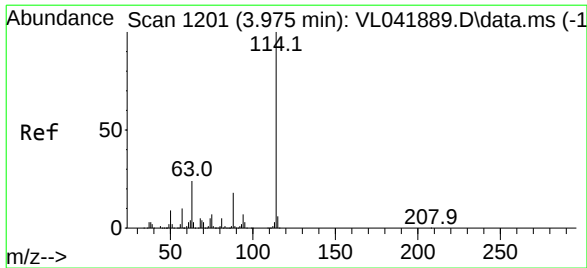
Delta R.T. -0.007 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

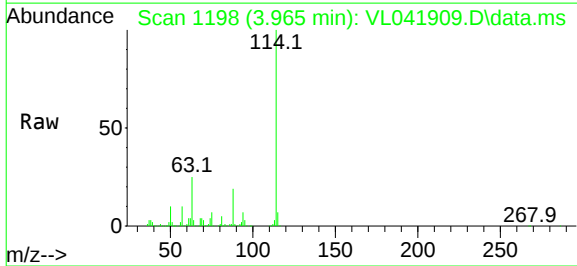
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 10701 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 66.9  | 51.1  | 76.7  |
| 61       | 53.3  | 39.0  | 58.6  |





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.965 min Scan# 111  
Delta R.T. -0.010 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

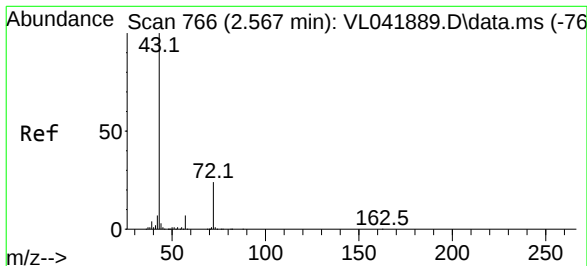
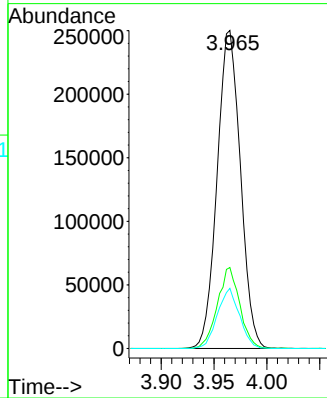
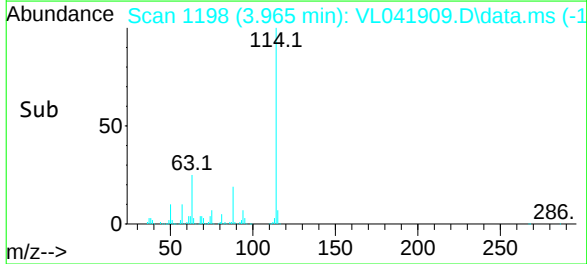
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



Tgt Ion: 114 Resp: 383295  
Ion Ratio Lower Upper  
114 100  
63 24.4 19.8 29.6  
88 17.9 14.4 21.6

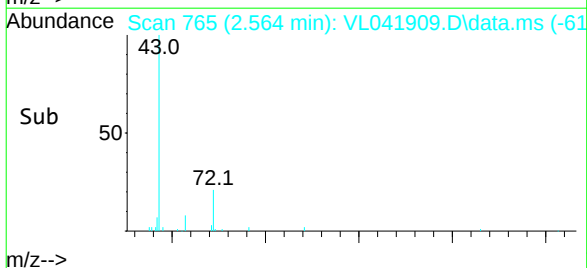
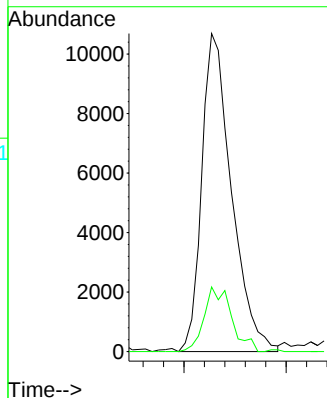
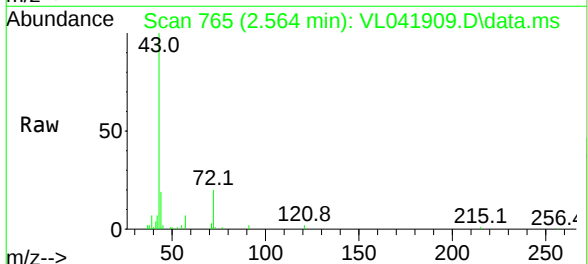
Manual Integrations  
APPROVED

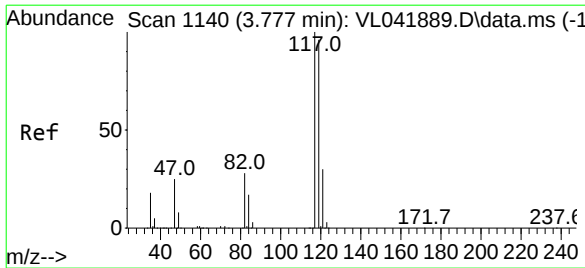
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#34  
2-Butanone  
Concen: 0.443 ppbv  
RT: 2.564 min Scan# 765  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Tgt Ion: 43 Resp: 10801  
Ion Ratio Lower Upper  
43 100  
72 18.9 18.6 28.0





#35

Carbon Tetrachloride

Concen: 0.413 ppbv m

RT: 3.764 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

Instrument :

MSVOA\_L

ClientSampleId :

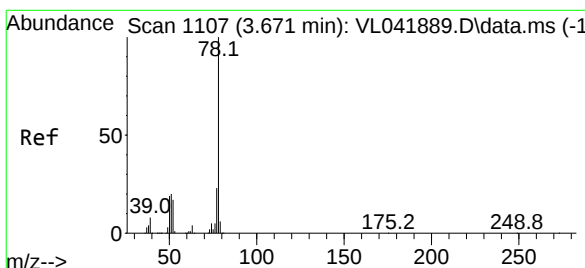
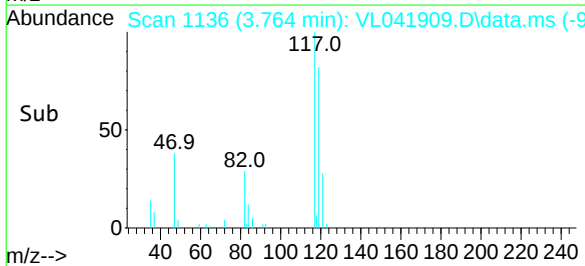
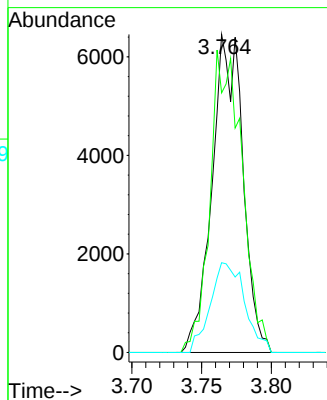
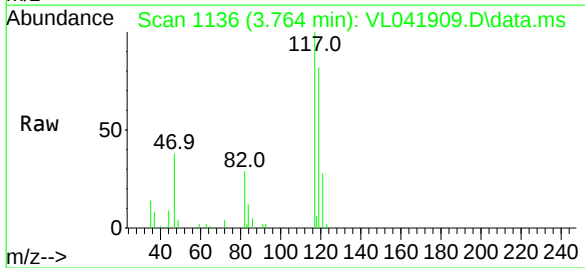
MDL 0.4

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:117 | Resp: | 9944  |
| Ion | Ratio   | Lower | Upper |
| 117 | 100     |       |       |
| 119 | 81.6    | 76.9  | 115.3 |
| 121 | 28.2    | 23.8  | 35.6  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#36

Benzene

Concen: 0.424 ppbv

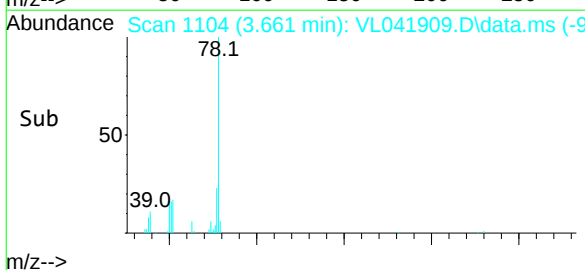
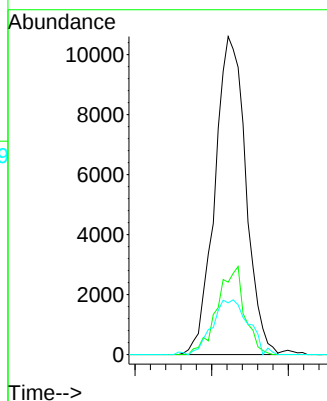
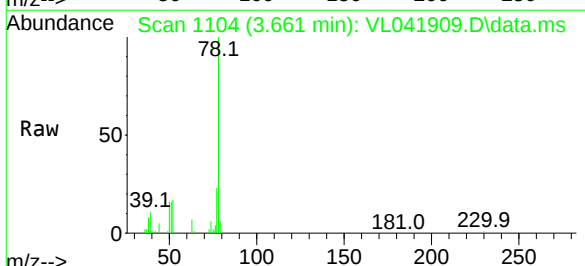
RT: 3.661 min Scan# 1104

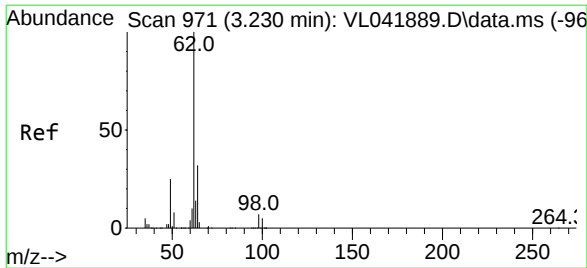
Delta R.T. -0.010 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion: 78 | Resp: | 14900 |
| Ion | Ratio   | Lower | Upper |
| 78  | 100     |       |       |
| 77  | 22.8    | 18.1  | 27.1  |
| 50  | 16.3    | 15.2  | 22.8  |





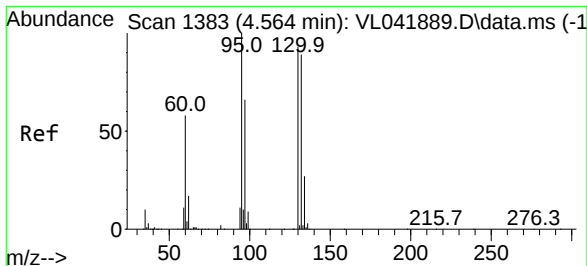
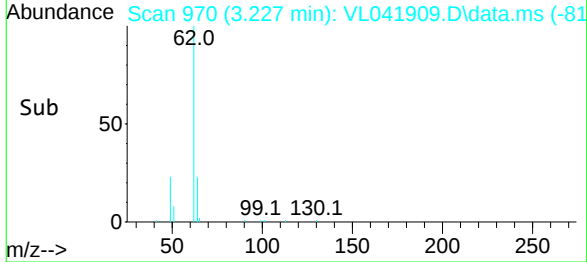
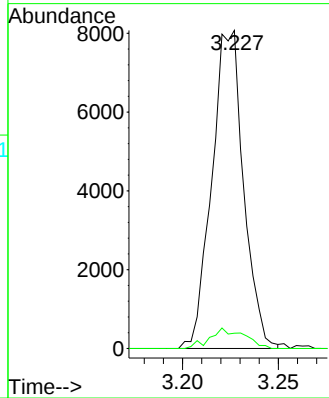
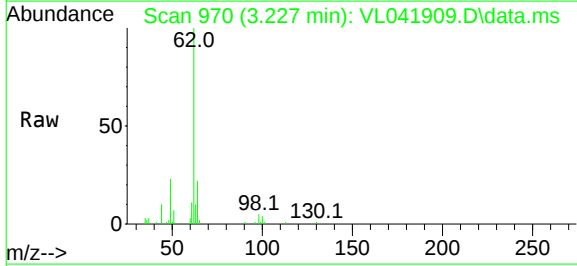
#37  
1,2-Dichloroethane  
Concen: 0.471 ppbv  
RT: 3.227 min Scan# 971  
Delta R.T. -0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion: 62 Resp: 9306  
Ion Ratio Lower Upper  
62 100  
98 6.9 5.4 8.0

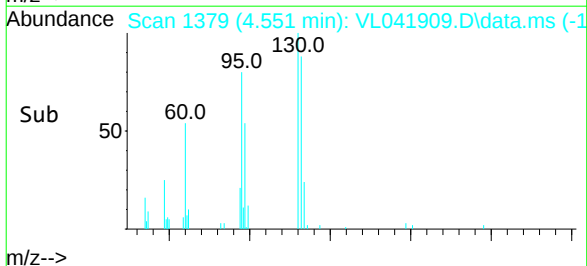
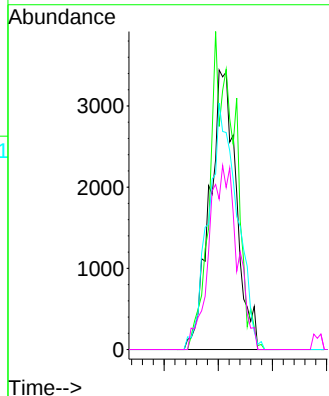
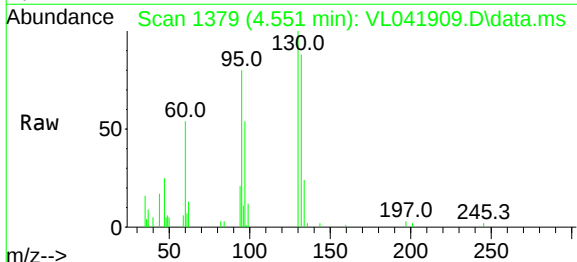
Manual Integrations  
APPROVED

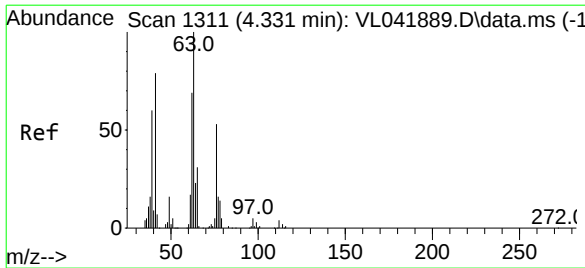
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#38  
Trichloroethene  
Concen: 0.416 ppbv m  
RT: 4.551 min Scan# 1379  
Delta R.T. -0.013 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

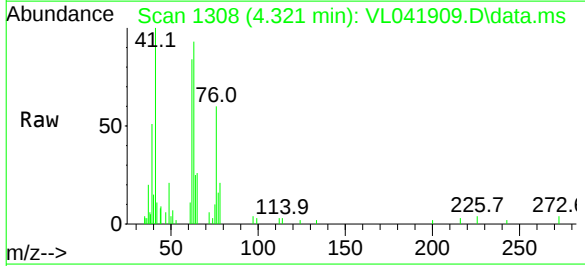
Tgt Ion:130 Resp: 5808  
Ion Ratio Lower Upper  
130 100  
95 79.8 85.8 128.8#  
132 88.2 76.5 114.7  
97 53.8 56.8 85.2#





#39  
1,2-Dichloropropane  
Concen: 0.428 ppbv m  
RT: 4.321 min Scan# 1311  
Delta R.T. -0.010 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

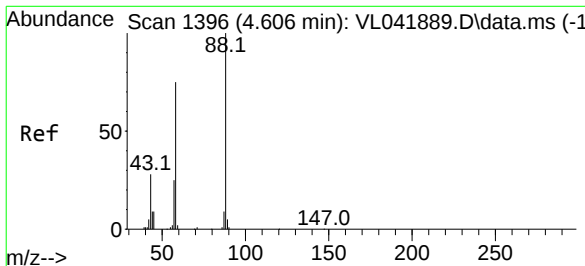
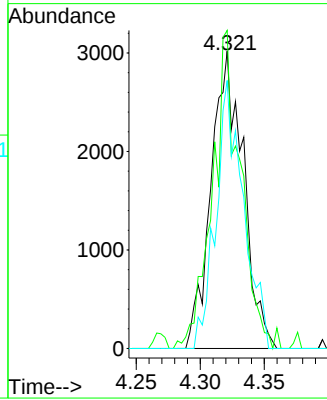
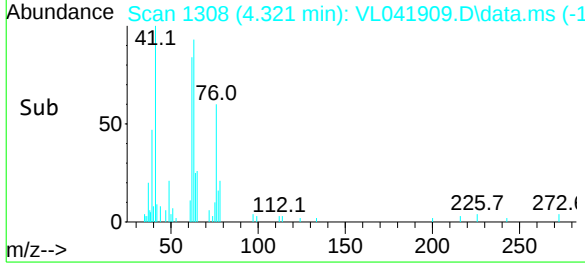
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



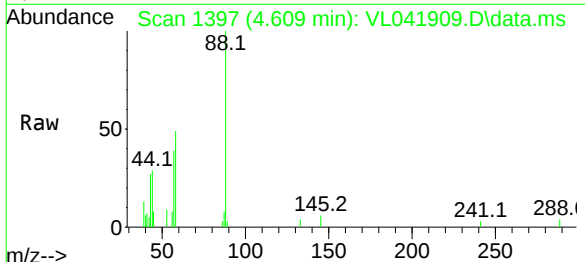
Tgt Ion: 63 Resp: 5275  
Ion Ratio Lower Upper  
63 100  
41 107.0 63.7 95.5#  
62 90.1 55.4 83.2#

Manual Integrations  
APPROVED

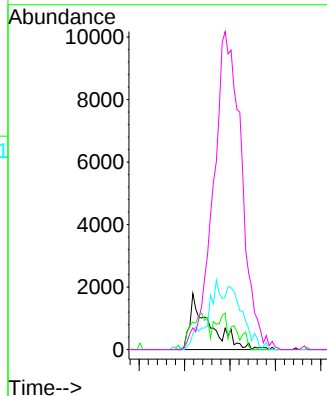
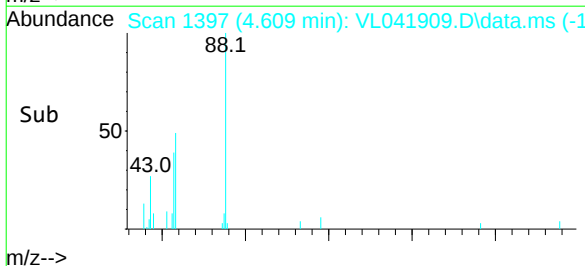
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025

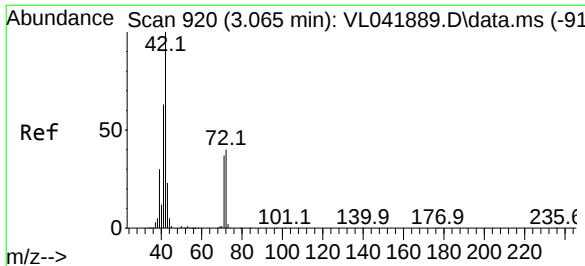


#40  
1,4-Dioxane  
Concen: 0.446 ppbv m  
RT: 4.609 min Scan# 1397  
Delta R.T. 0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52



Tgt Ion: 88 Resp: 2777  
Ion Ratio Lower Upper  
88 100  
58 0.0 62.1 93.1#  
43 0.0 0.0 0.0  
57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.415 ppbv m

RT: 3.072 min Scan# 92

Delta R.T. 0.006 min

Lab File: VL041909.D

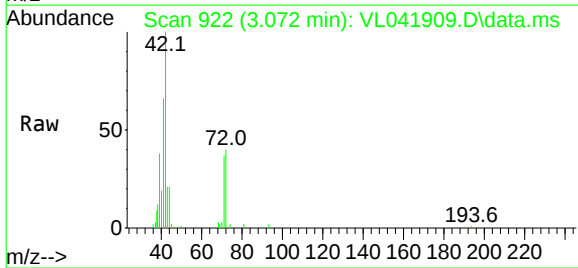
Acq: 15 Jan 2025 00:52

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

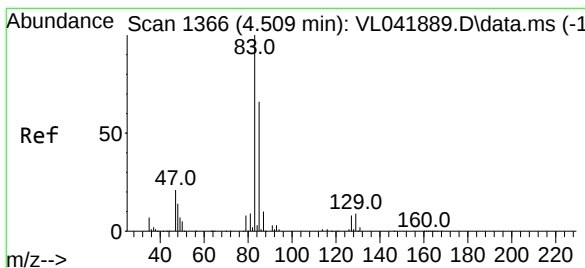
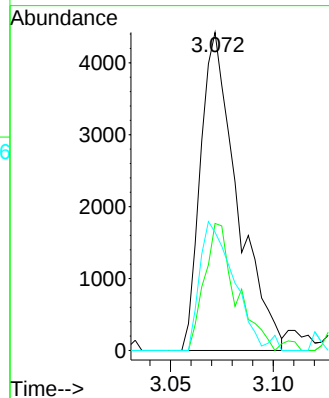
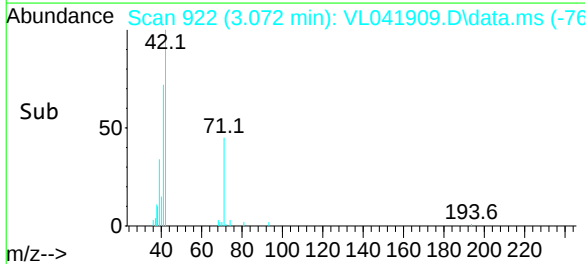


| Tgt Ion: | 42    | Resp: | 5497  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 36.7  | 32.3  | 48.5  |
| 71       | 38.0  | 29.9  | 44.9  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#42

Bromodichloromethane

Concen: 0.403 ppbv

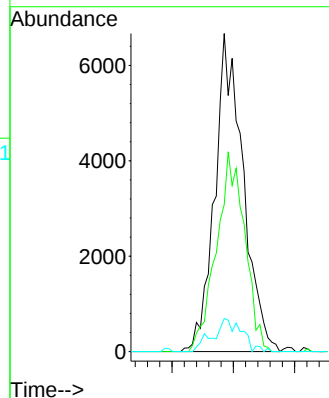
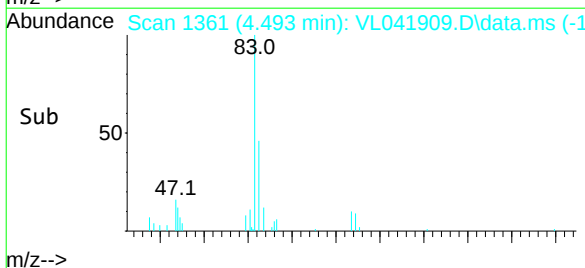
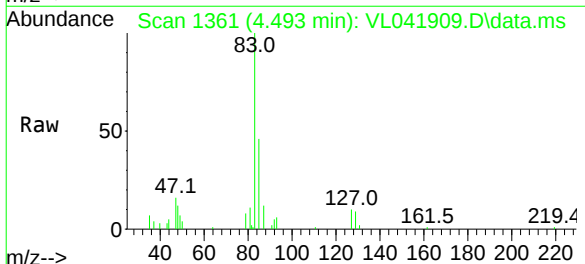
RT: 4.493 min Scan# 1361

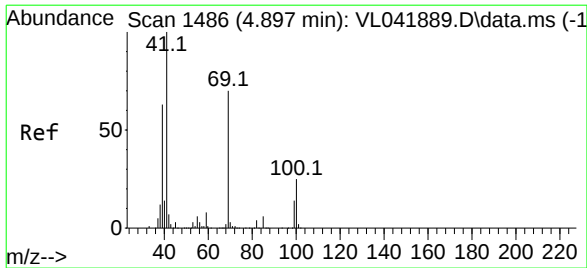
Delta R.T. -0.016 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

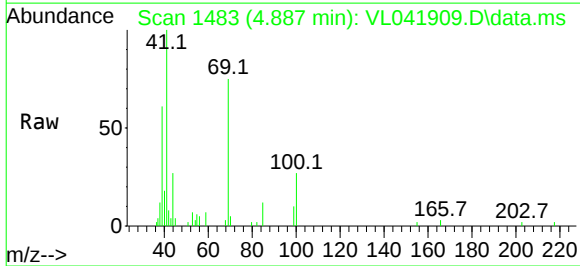
| Tgt Ion: | 83    | Resp: | 10678 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 46.2  | 52.6  | 78.8# |
| 127      | 10.4  | 6.4   | 9.6#  |





#43  
Methyl Methacrylate  
Concen: 0.362 ppbv  
RT: 4.887 min Scan# 1483  
Delta R.T. -0.010 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

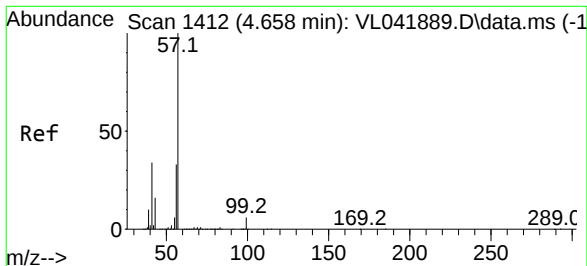
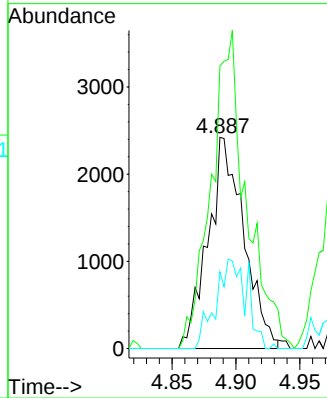
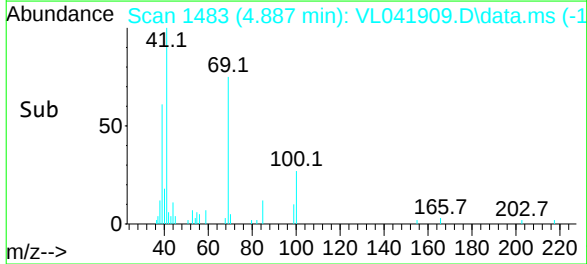
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



Tgt Ion: 69 Resp: 4723  
Ion Ratio Lower Upper  
69 100  
41 148.1 118.6 177.8  
100 36.9 29.3 43.9

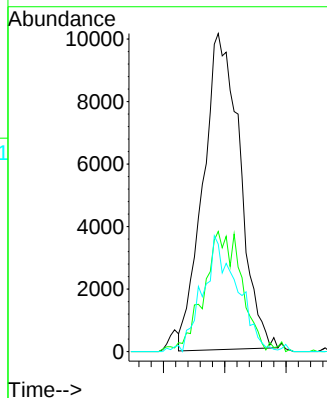
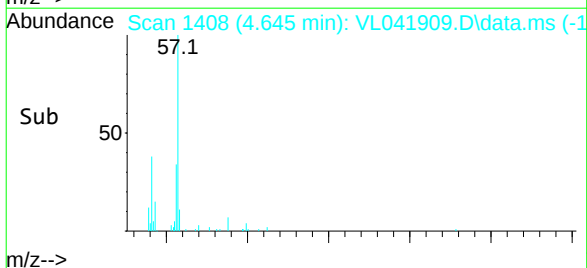
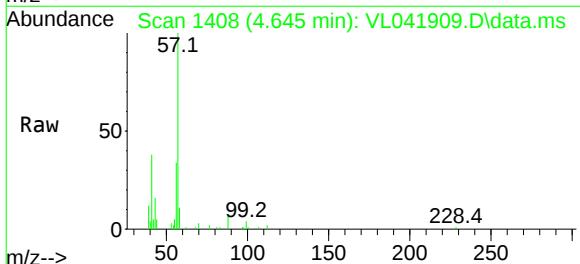
Manual Integrations  
APPROVED

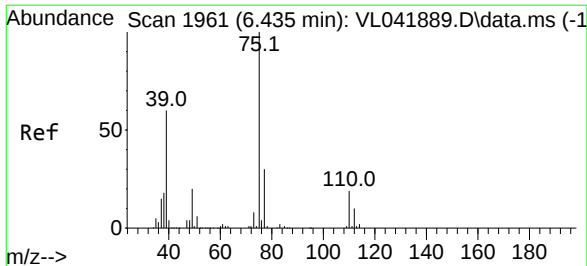
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#44  
2,2,4-Trimethylpentane  
Concen: 0.371 ppbv  
RT: 4.645 min Scan# 1408  
Delta R.T. -0.013 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Tgt Ion: 57 Resp: 21097  
Ion Ratio Lower Upper  
57 100  
41 39.5 26.6 40.0  
56 34.5 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 0.363 ppbv m

RT: 6.418 min Scan# 19

Delta R.T. -0.016 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

Tgt Ion: 75 Resp: 4439

Ion Ratio Lower Upper

75 100

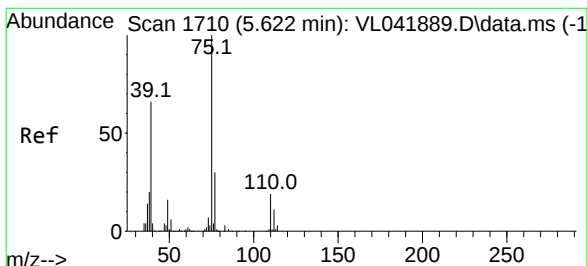
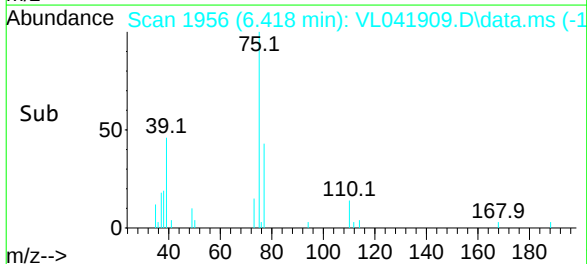
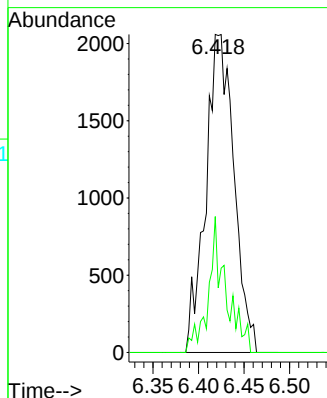
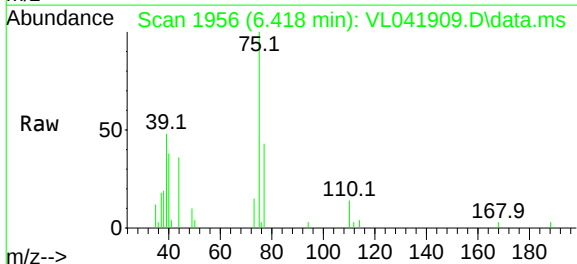
77 42.7 24.3 36.5#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#46

cis-1,3-Dichloropropene

Concen: 0.340 ppbv m

RT: 5.616 min Scan# 1708

Delta R.T. -0.007 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

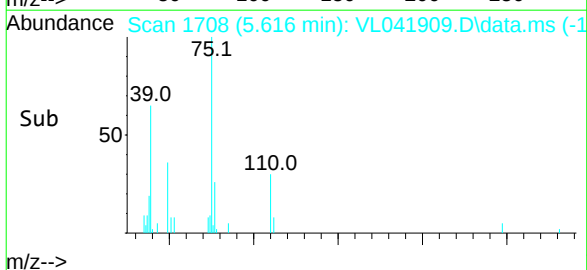
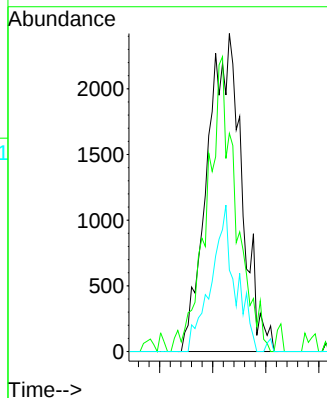
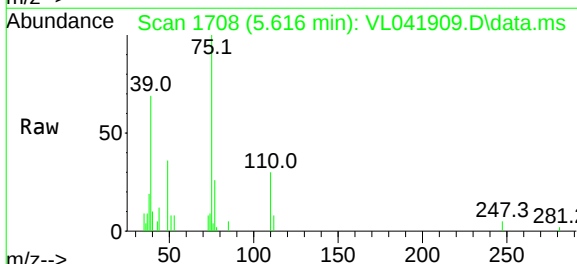
Tgt Ion: 75 Resp: 5456

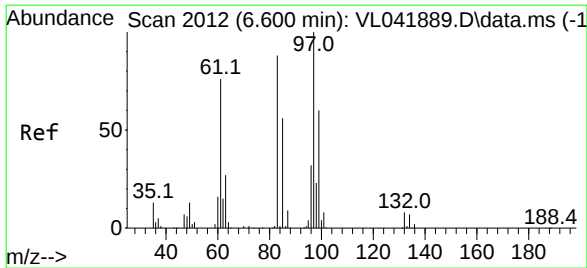
Ion Ratio Lower Upper

75 100

39 68.6 53.1 79.7

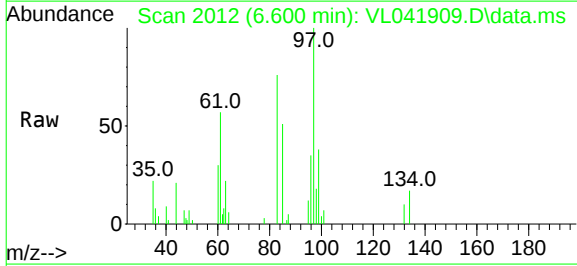
77 25.6 23.8 35.8





#47  
1,1,2-Trichloroethane  
Concen: 0.439 ppbv m  
RT: 6.600 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

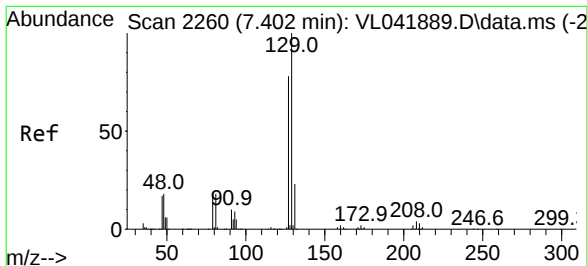
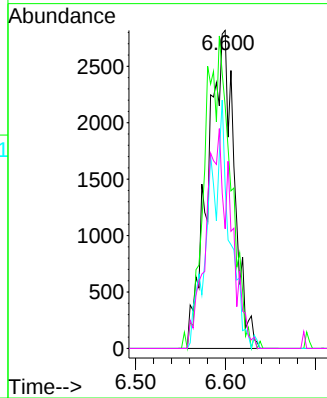
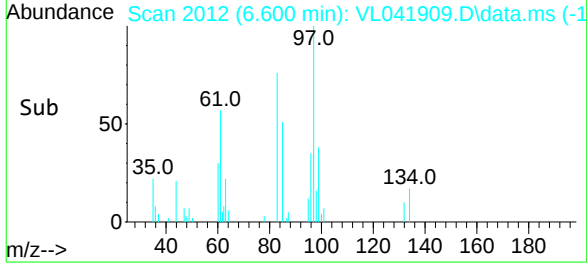
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



Tgt Ion: 97 Resp: 5738  
Ion Ratio Lower Upper  
97 100  
83 76.3 70.4 105.6  
85 51.0 45.0 67.4  
99 37.6 48.1 72.1#

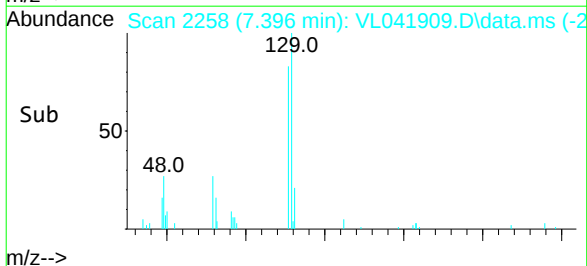
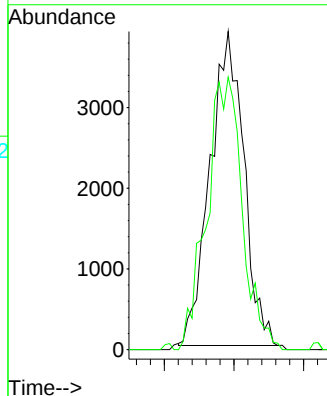
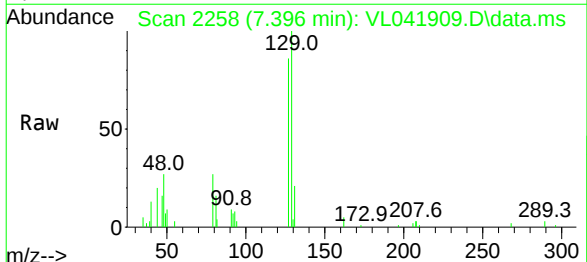
Manual Integrations  
APPROVED

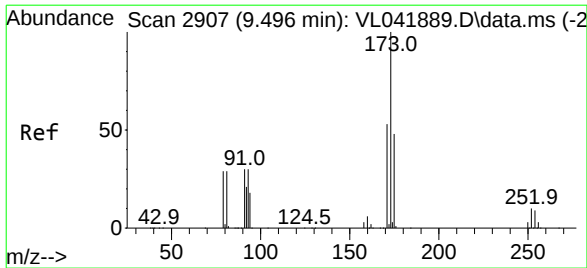
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#48  
Dibromochloromethane  
Concen: 0.326 ppbv  
RT: 7.396 min Scan# 2258  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Tgt Ion:129 Resp: 6582  
Ion Ratio Lower Upper  
129 100  
127 91.4 39.3 117.8





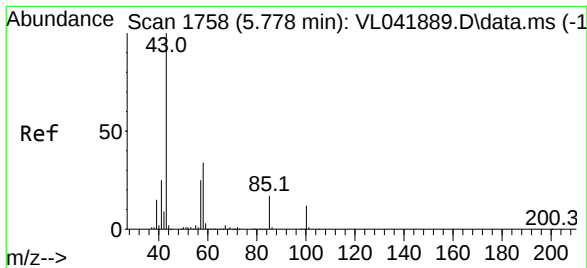
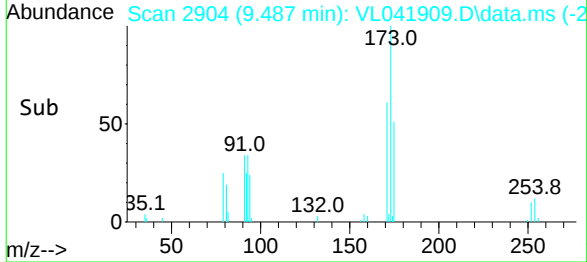
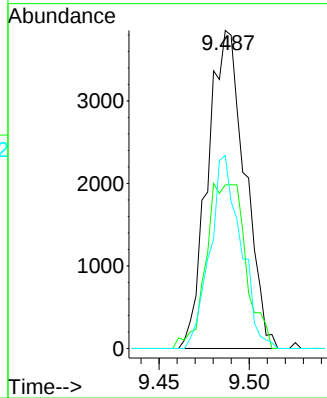
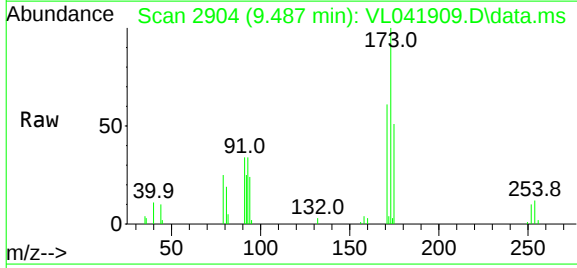
#49  
Bromoform  
Concen: 0.333 ppbv  
RT: 9.487 min Scan# 2907  
Delta R.T. -0.010 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 5519  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 55.3  | 38.4  | 57.6  |
| 171      | 50.2  | 41.4  | 62.2  |

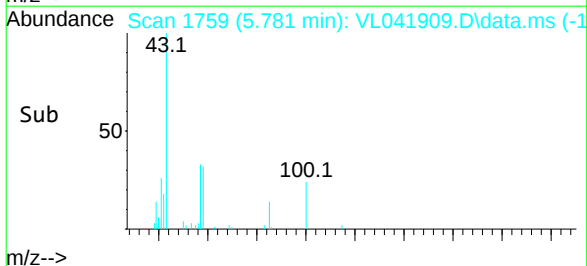
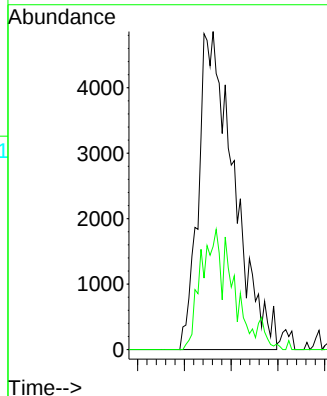
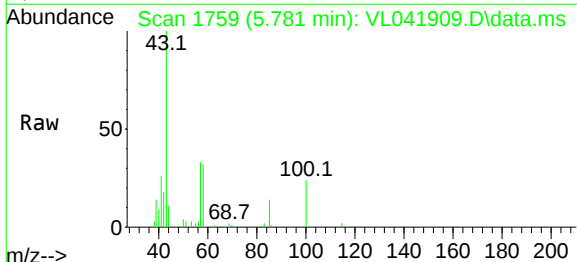
Manual Integrations  
APPROVED

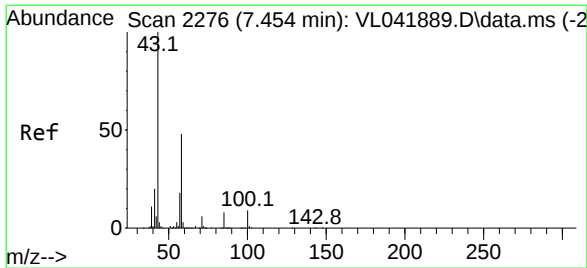
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#50  
4-Methyl-2-Pentanone  
Concen: 0.386 ppbv m  
RT: 5.781 min Scan# 1759  
Delta R.T. 0.003 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

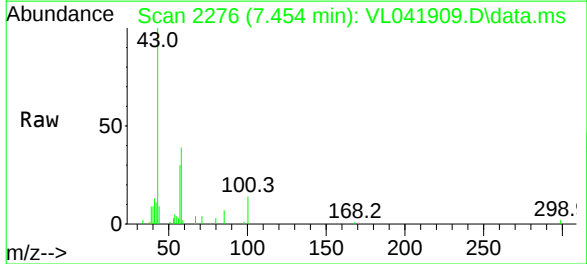
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 12845 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 0.0   | 29.0  | 43.6# |





#51  
2-Hexanone  
Concen: 0.344 ppbv m  
RT: 7.454 min Scan# 2276  
Delta R.T. -0.000 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

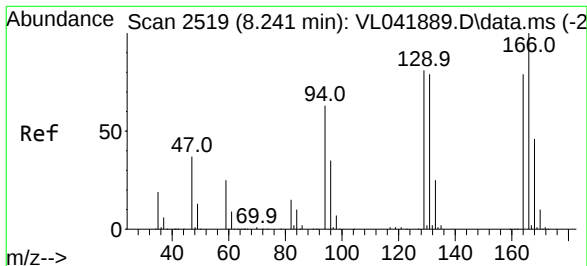
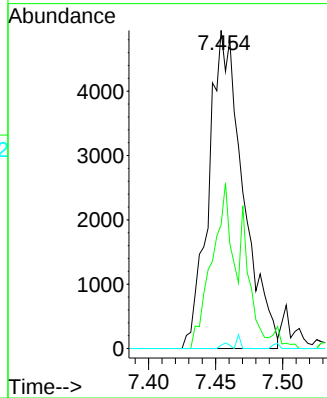
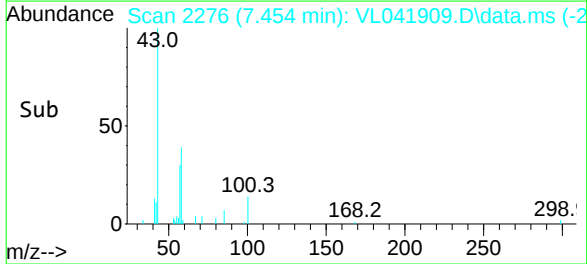
Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4



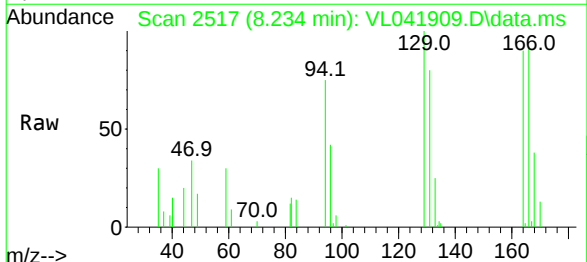
Tgt Ion: 43 Resp: 8806  
Ion Ratio Lower Upper  
43 100  
58 45.4 40.4 60.6  
98 0.9 0.2 0.2

Manual Integrations  
APPROVED

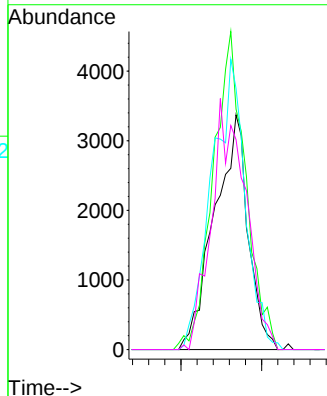
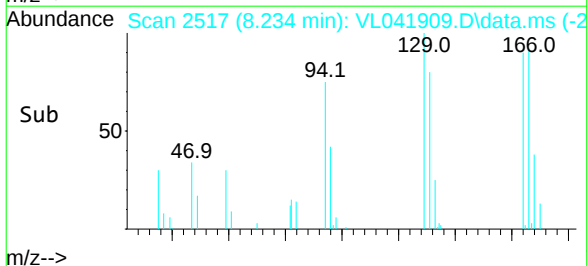
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025

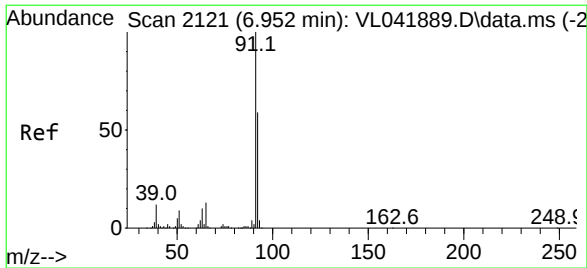


#52  
Tetrachloroethene  
Concen: 0.398 ppbv  
RT: 8.234 min Scan# 2517  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52



Tgt Ion:164 Resp: 4855  
Ion Ratio Lower Upper  
164 100  
166 102.4 100.8 151.2  
129 111.2 82.0 123.0  
131 89.4 80.2 120.2





#53

Toluene

Concen: 0.365 ppbv m

RT: 6.943 min Scan# 2118

Delta R.T. -0.010 min

Lab File: VL041909.D

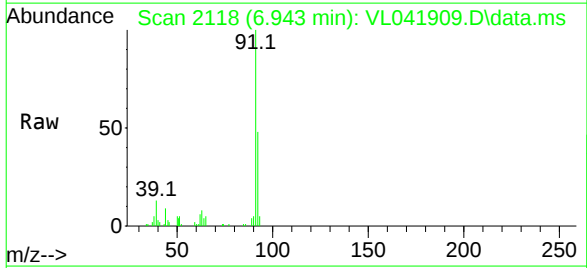
Acq: 15 Jan 2025 00:52

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4



Tgt Ion: 91 Resp: 13991

Ion Ratio Lower Upper

91 100

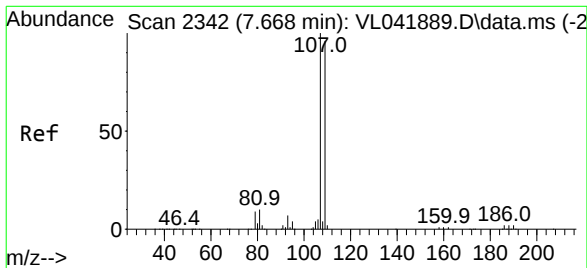
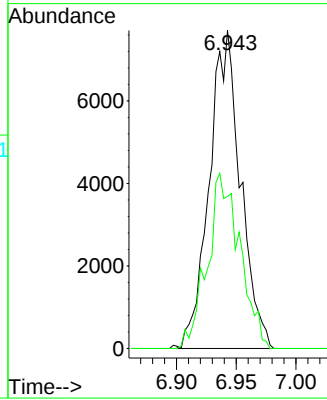
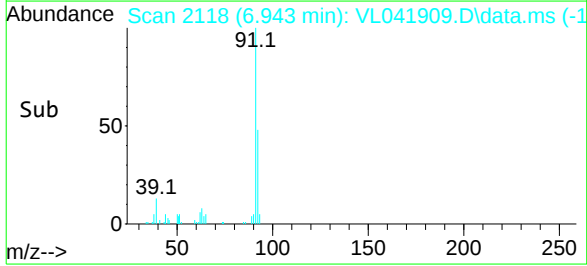
92 57.5 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#54

1,2-Dibromoethane

Concen: 0.455 ppbv m

RT: 7.655 min Scan# 2338

Delta R.T. -0.013 min

Lab File: VL041909.D

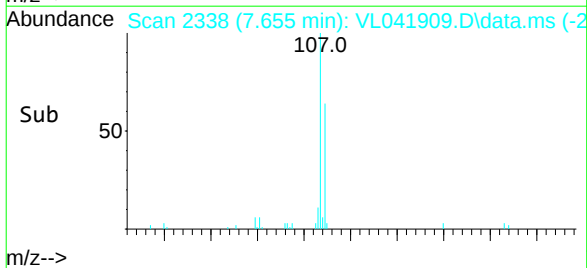
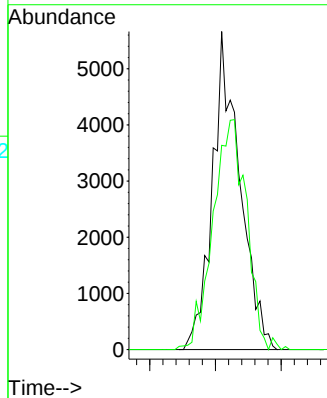
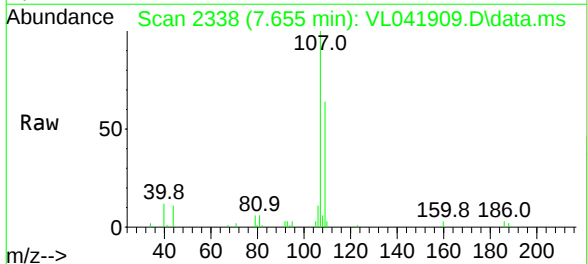
Acq: 15 Jan 2025 00:52

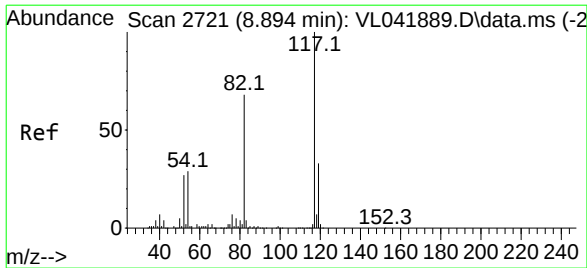
Tgt Ion:107 Resp: 8183

Ion Ratio Lower Upper

107 100

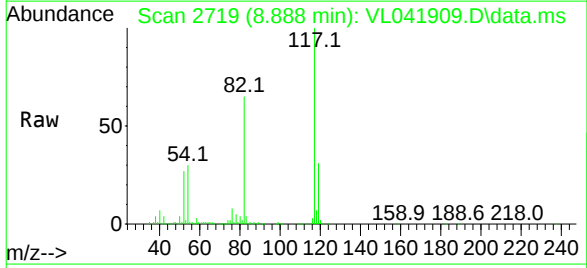
109 64.2 76.7 115.1#





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.888 min Scan# 2719  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

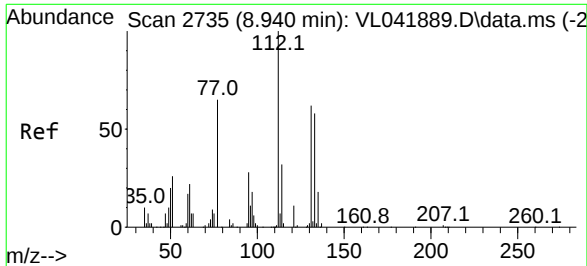
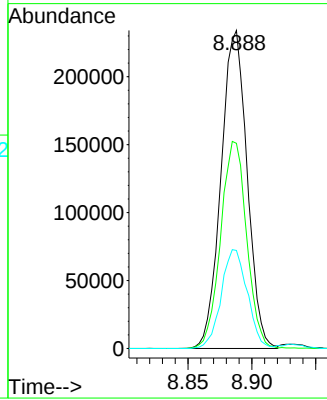
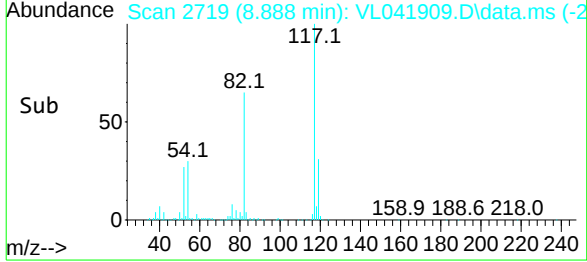
Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4



Tgt Ion:117 Resp: 333507  
Ion Ratio Lower Upper  
117 100  
82 64.8 54.2 81.4  
119 32.2 25.0 37.6

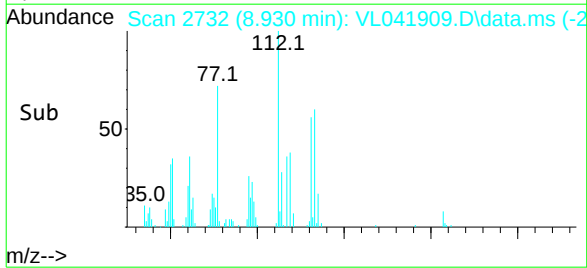
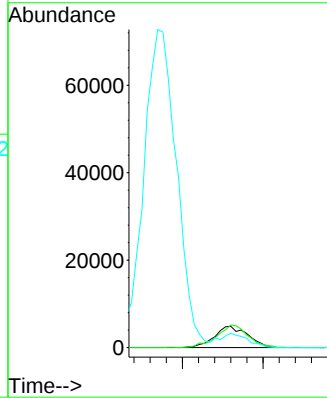
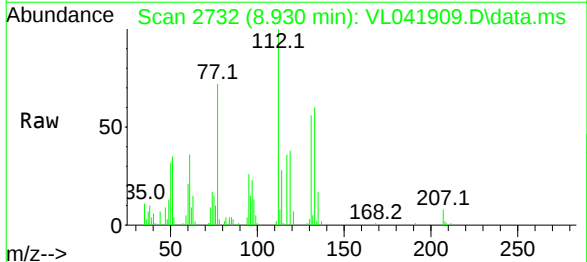
Manual Integrations  
APPROVED

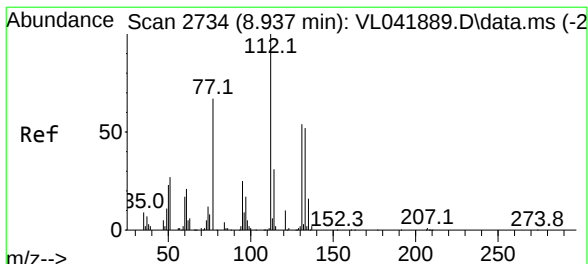
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.418 ppbv  
RT: 8.930 min Scan# 2732  
Delta R.T. -0.010 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Tgt Ion:131 Resp: 6956  
Ion Ratio Lower Upper  
131 100  
133 100.6 76.0 114.0  
119 1544.3 49.7 74.5#





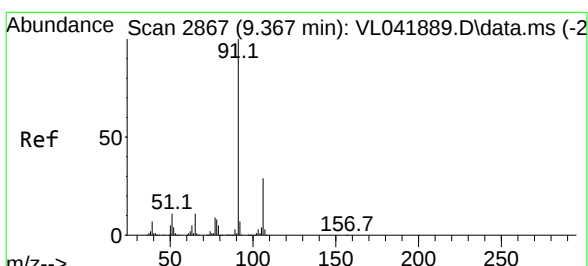
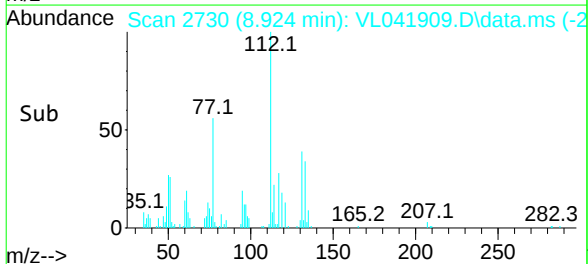
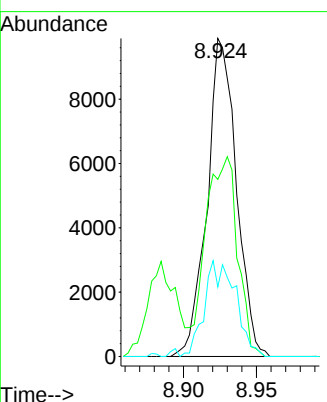
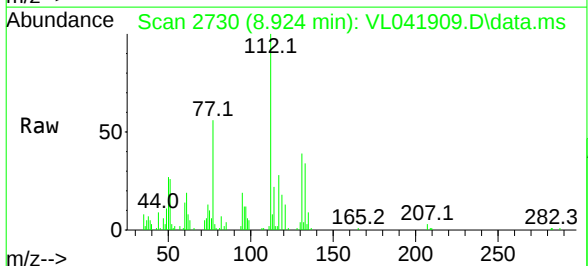
#57  
 Chlorobenzene  
 Concen: 0.449 ppbv  
 RT: 8.924 min Scan# 2730  
 Delta R.T. -0.013 min  
 Lab File: VL041909.D  
 Acq: 15 Jan 2025 00:52

Instrument : MSVOA\_L  
 ClientSampleId : MDL 0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 13810 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 77        | 55.7  | 54.6  | 82.0  |
| 114       | 21.9  | 28.2  | 34.4  |

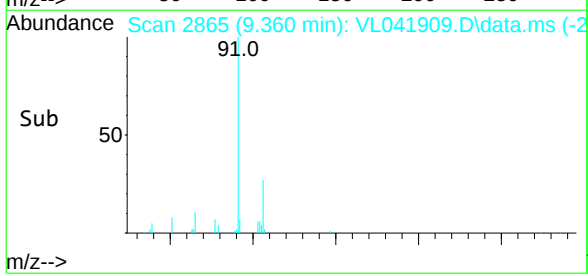
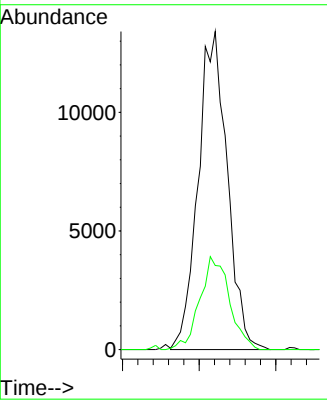
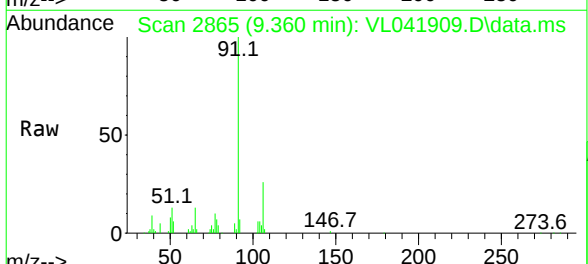
Manual Integrations  
 APPROVED

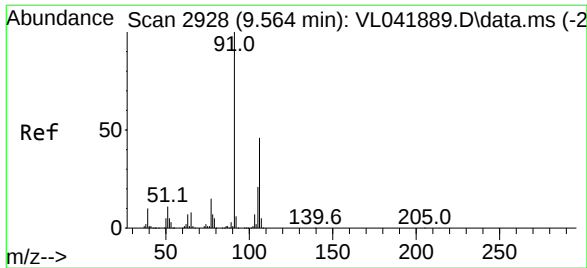
Reviewed By :Semsettin Yesilyurt 01/15/2025  
 Supervised By :Mahesh Dadoda 01/15/2025



#58  
 Ethyl Benzene  
 Concen: 0.340 ppbv  
 RT: 9.360 min Scan# 2865  
 Delta R.T. -0.007 min  
 Lab File: VL041909.D  
 Acq: 15 Jan 2025 00:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 17715 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 106       | 26.4  | 23.1  | 34.7  |





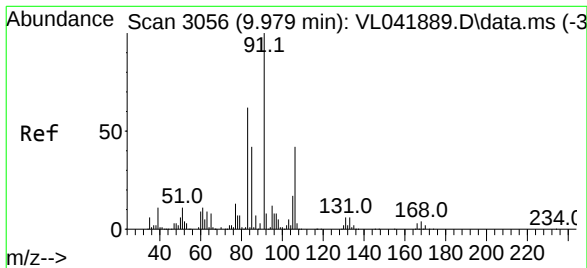
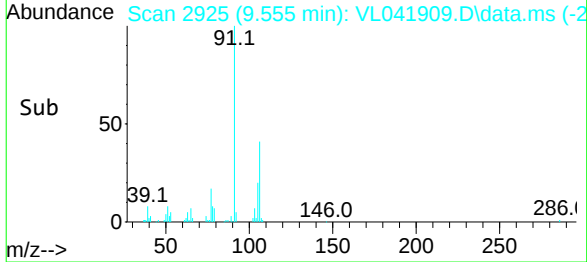
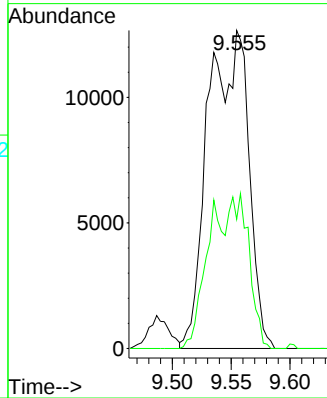
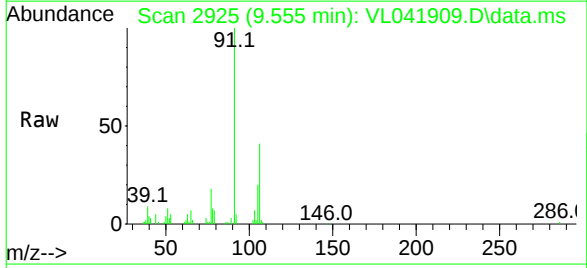
#59  
m/p-Xylene  
Concen: 0.724 ppbv m  
RT: 9.555 min Scan# 29  
Delta R.T. -0.010 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion: 91 Resp: 30237  
Ion Ratio Lower Upper  
91 100  
106 47.0 36.0 54.0

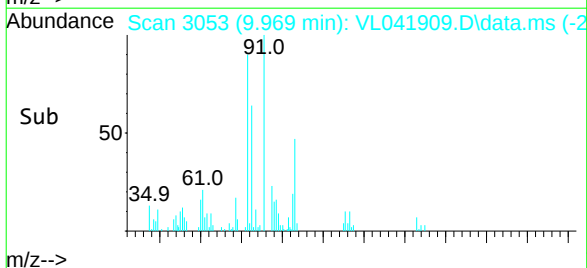
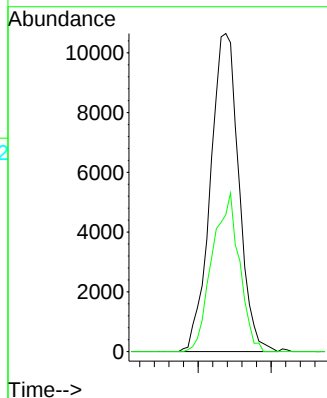
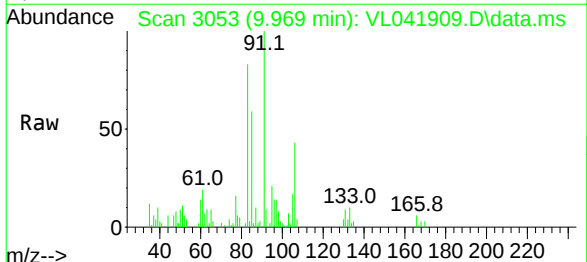
Manual Integrations  
APPROVED

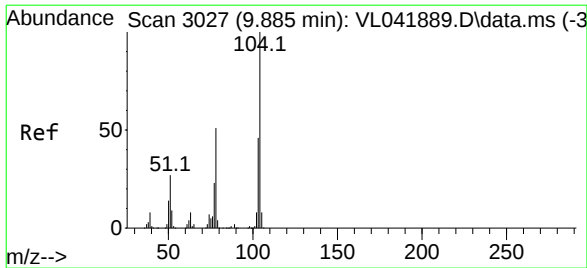
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#60  
o-Xylene  
Concen: 0.348 ppbv  
RT: 9.969 min Scan# 3053  
Delta R.T. -0.010 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Tgt Ion: 91 Resp: 14413  
Ion Ratio Lower Upper  
91 100  
106 47.5 21.3 63.9





#61

Styrene

Concen: 0.339 ppbv

RT: 9.872 min Scan# 3027

Delta R.T. -0.013 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

Instrument :

MSVOA\_L

ClientSampleId :

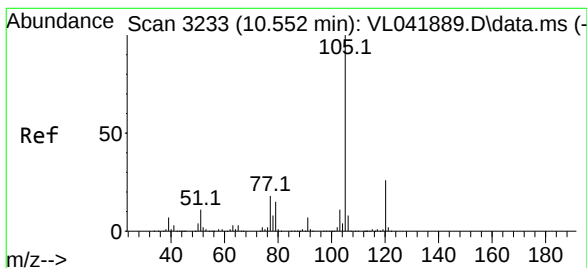
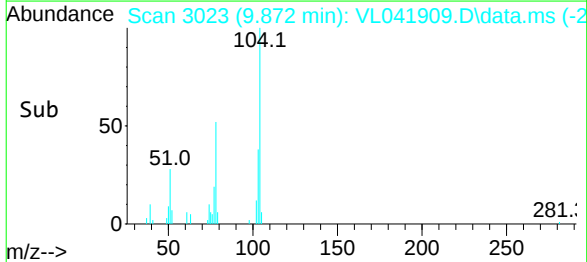
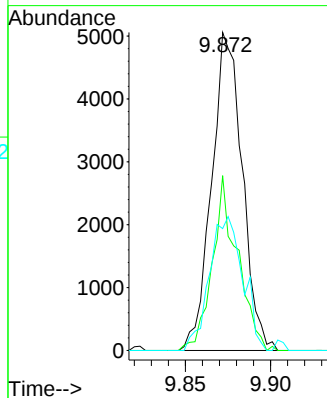
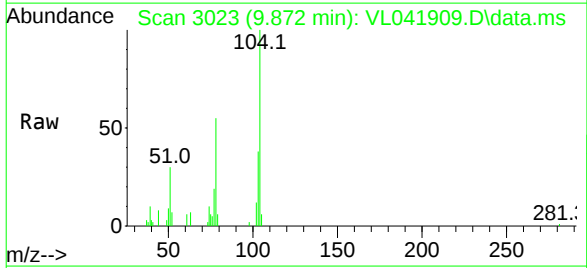
MDL 0.4

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 104   | Resp: | 6314 |
| Ion Ratio | Lower | Upper |      |
| 104       | 100   |       |      |
| 78        | 45.4  | 41.0  | 61.6 |
| 103       | 47.1  | 37.2  | 55.8 |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#62

Isopropylbenzene

Concen: 0.367 ppbv

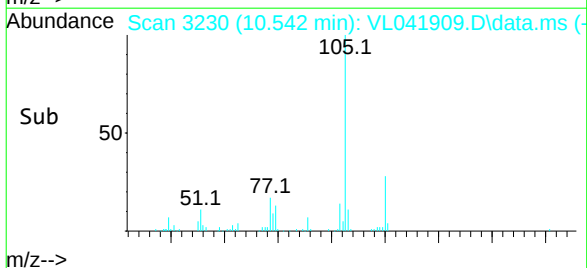
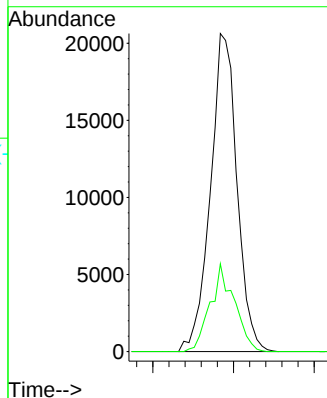
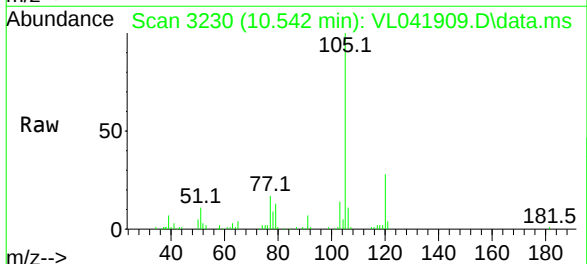
RT: 10.542 min Scan# 3230

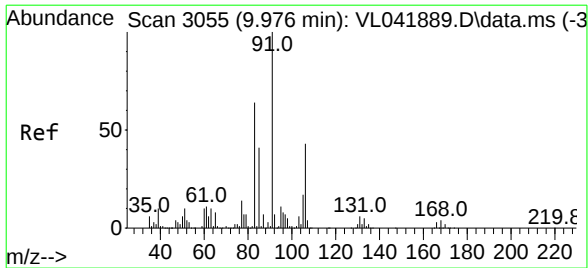
Delta R.T. -0.010 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

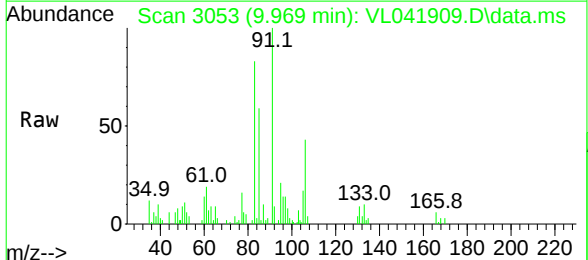
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 23571 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 25.2  | 20.3  | 30.5  |





#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.446 ppbv  
RT: 9.969 min Scan# 3053  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

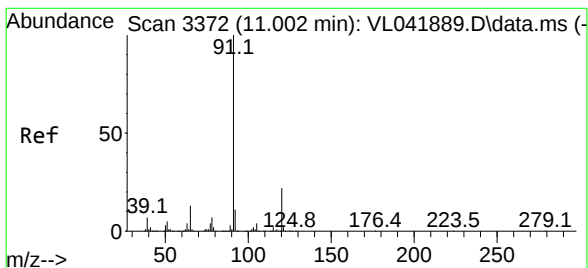
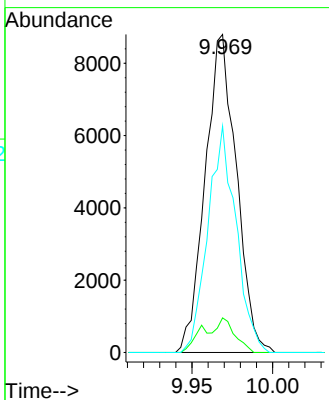
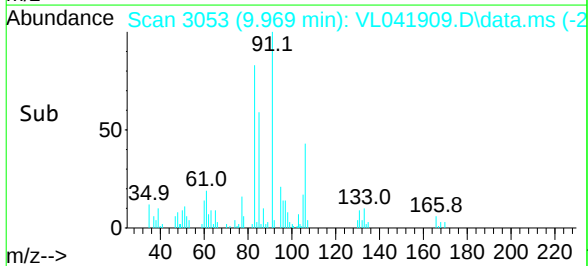
Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 11828 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.7  | 4.8   | 14.4  |
| 85       | 64.2  | 32.4  | 97.2  |

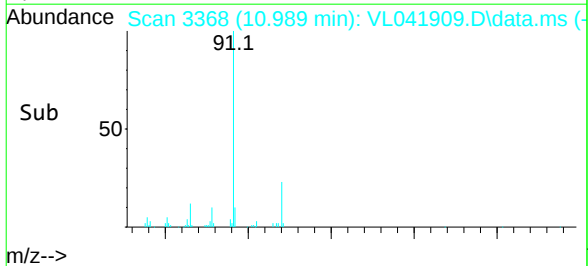
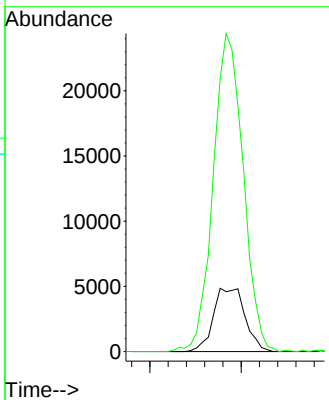
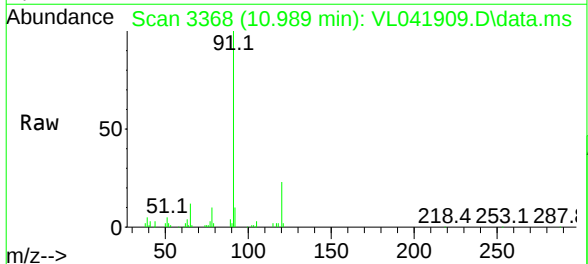
Manual Integrations  
APPROVED

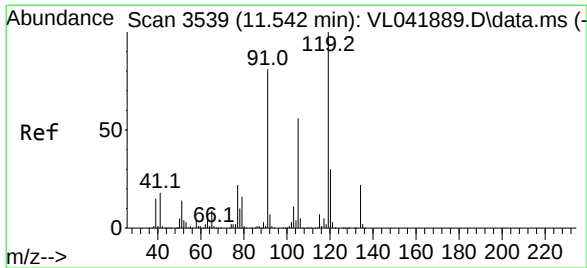
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#64  
n-propylbenzene  
Concen: 0.362 ppbv m  
RT: 10.989 min Scan# 3368  
Delta R.T. -0.013 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 120   | Resp: | 5869  |
| Ion      | Ratio | Lower | Upper |
| 120      | 100   |       |       |
| 91       | 475.1 | 374.1 | 561.1 |





#65

tert-Butylbenzene

Concen: 0.356 ppbv

RT: 11.535 min Scan# 3539

Delta R.T. -0.007 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

Instrument :

MSVOA\_L

ClientSampleId :

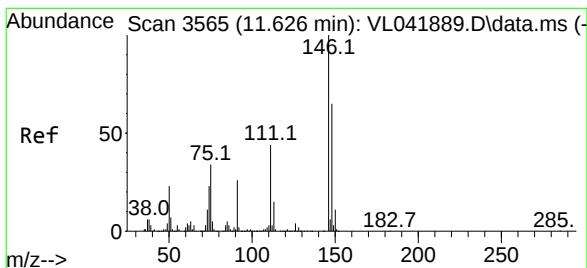
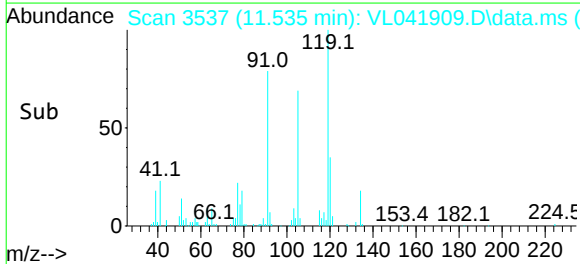
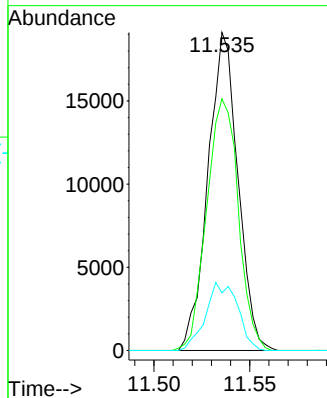
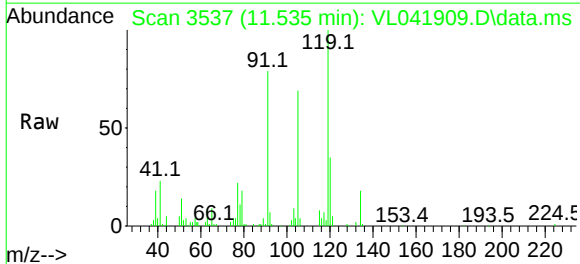
MDL 0.4

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:119 | Resp: | 20807 |
| Ion | Ratio   | Lower | Upper |
| 119 | 100     |       |       |
| 91  | 83.4    | 64.6  | 97.0  |
| 134 | 22.9    | 16.8  | 25.2  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#66

Benzyl Chloride

Concen: 0.264 ppbv

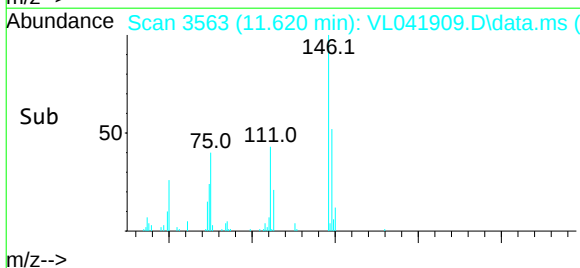
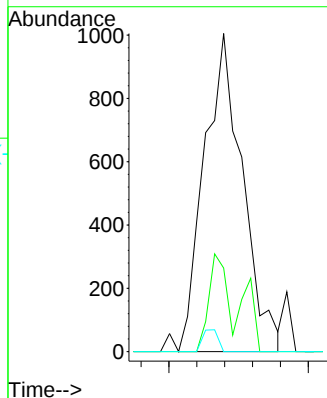
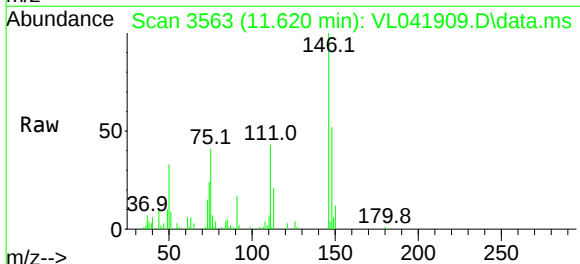
RT: 11.620 min Scan# 3563

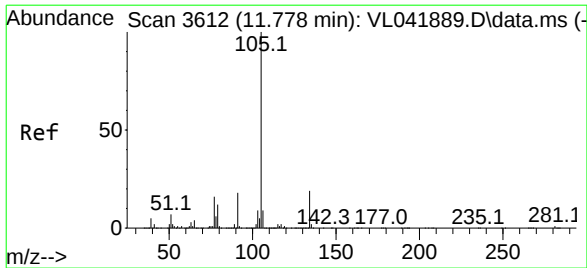
Delta R.T. -0.007 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion: 91 | Resp: | 957   |
| Ion | Ratio   | Lower | Upper |
| 91  | 100     |       |       |
| 126 | 22.7    | 14.1  | 21.1# |
| 128 | 2.8     | 4.3   | 6.5#  |





#67

sec-Butylbenzene

Concen: 0.382 ppbv

RT: 11.775 min Scan# 3612

Delta R.T. -0.003 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

Tgt Ion: 105 Resp: 30791

Ion Ratio Lower Upper

105 100

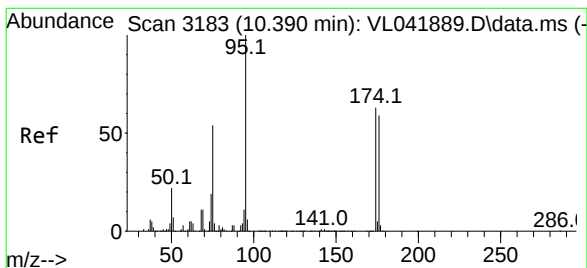
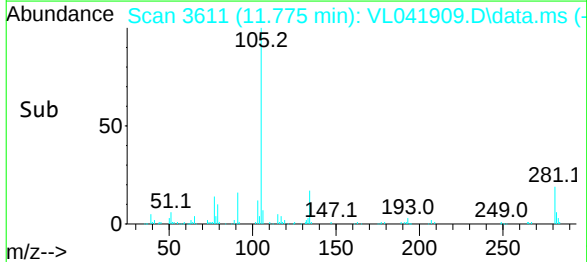
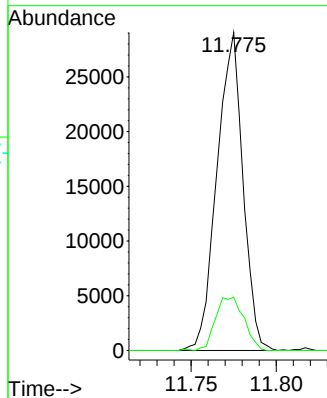
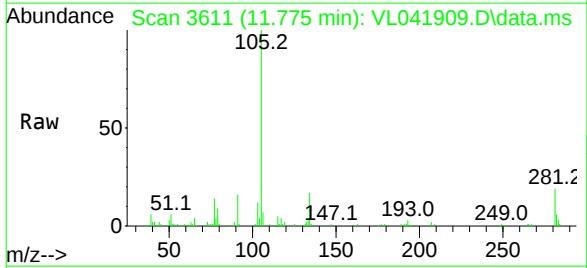
134 18.5 15.1 22.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.056 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. -0.010 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

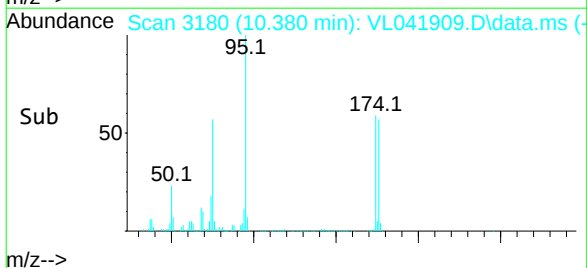
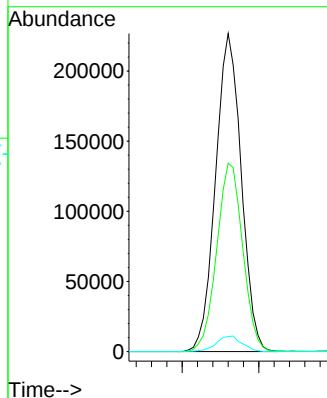
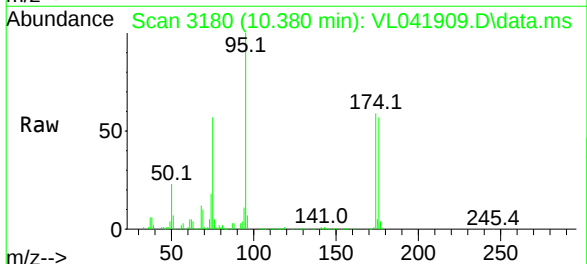
Tgt Ion: 95 Resp: 264151

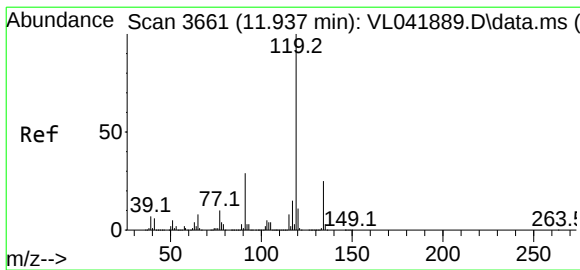
Ion Ratio Lower Upper

95 100

174 60.2 49.0 73.4

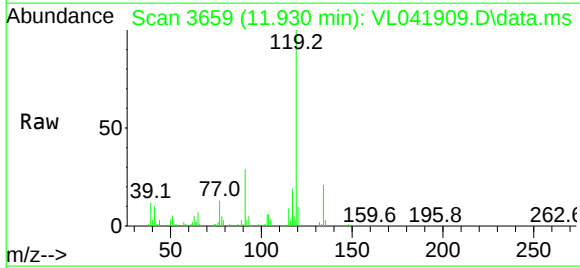
175 4.9 3.8 5.8





#69  
p-Isopropyltoluene  
Concen: 0.336 ppbv  
RT: 11.930 min Scan# 3661  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

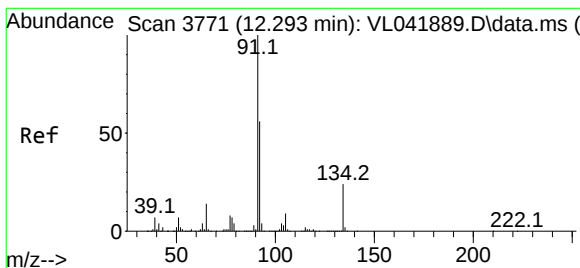
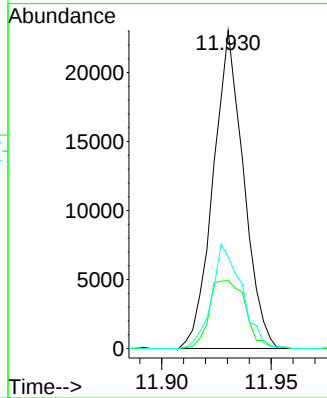
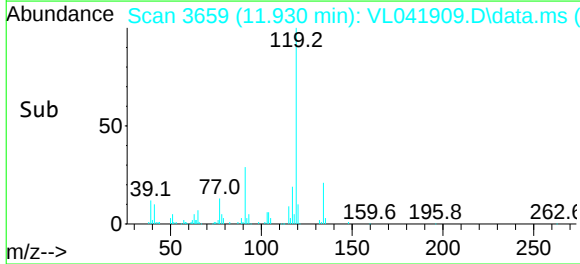
Instrument : MSVOA\_L  
ClientSampleId : MDL 0.4



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 22247 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 25.4  | 19.8  | 29.6  |
| 91       | 32.3  | 23.0  | 34.4  |

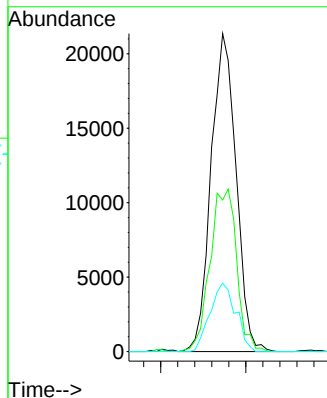
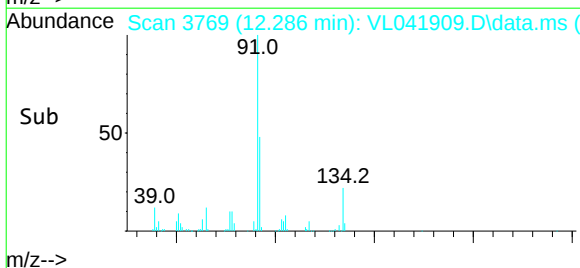
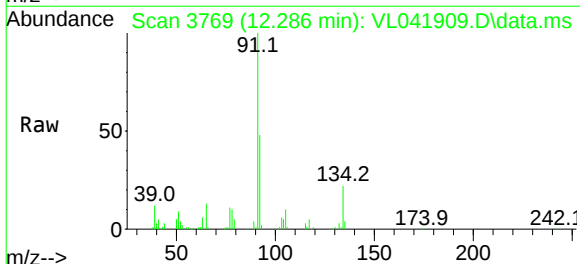
### Manual Integrations APPROVED

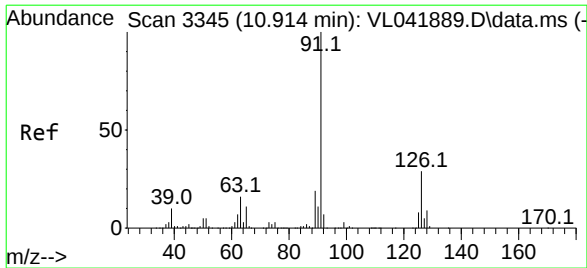
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#70  
n-Butylbenzene  
Concen: 0.331 ppbv  
RT: 12.286 min Scan# 3769  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

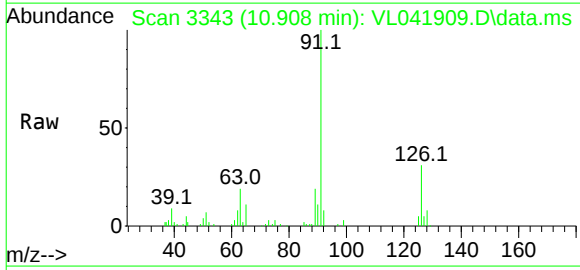
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 21785 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 54.7  | 43.8  | 65.6  |
| 134      | 22.2  | 19.0  | 28.6  |





#71  
2-Chlorotoluene  
Concen: 0.370 ppbv  
RT: 10.908 min Scan# 3345  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

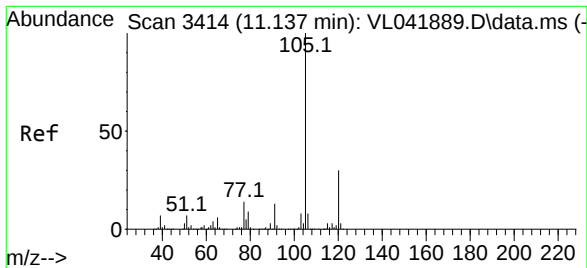
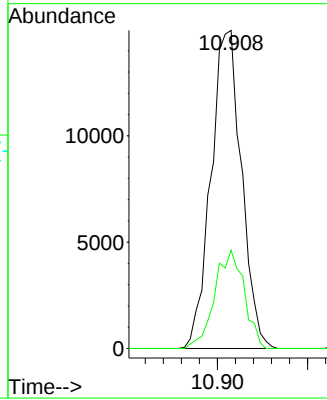
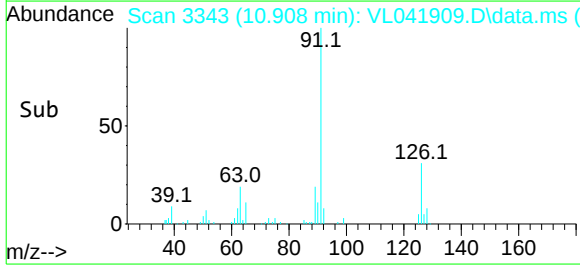
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



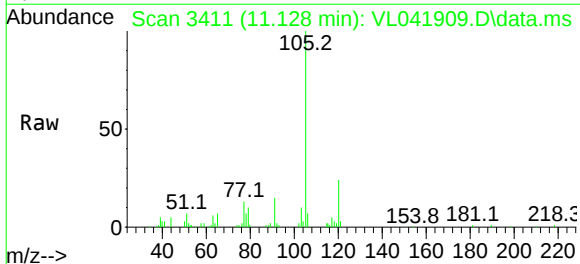
Tgt Ion: 91 Resp: 17558  
Ion Ratio Lower Upper  
91 100  
126 29.9 11.7 46.7

Manual Integrations  
APPROVED

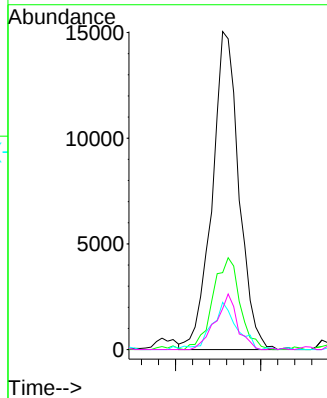
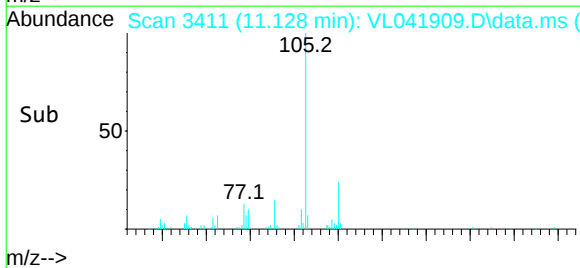
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025

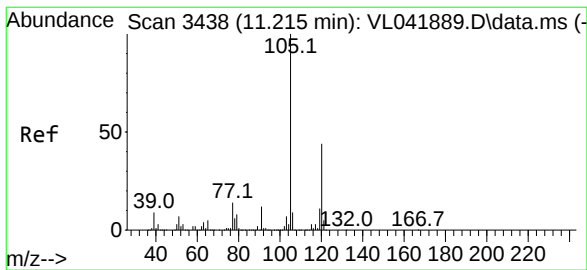


#72  
4-Ethyltoluene  
Concen: 0.332 ppbv  
RT: 11.128 min Scan# 3411  
Delta R.T. -0.010 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52



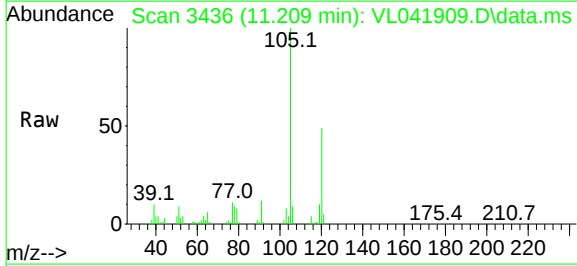
Tgt Ion:105 Resp: 16480  
Ion Ratio Lower Upper  
105 100  
120 29.8 23.7 35.5  
91 14.2 10.2 15.2  
77 14.3 10.7 16.1





#73  
1,3,5-Trimethylbenzene  
Concen: 0.341 ppbv  
RT: 11.209 min Scan# 3438  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

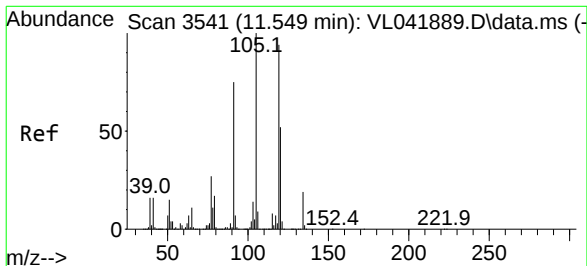
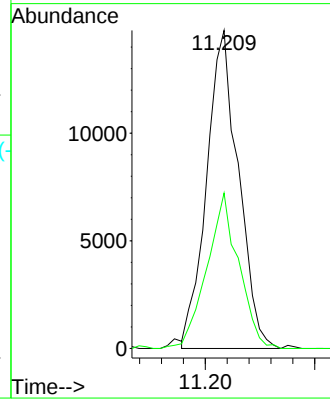
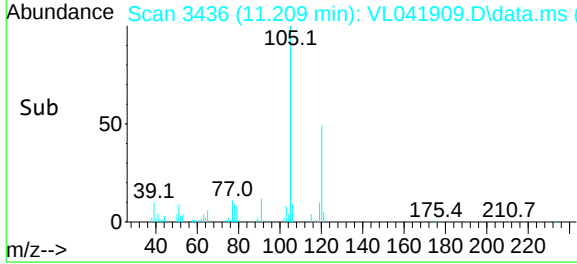
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



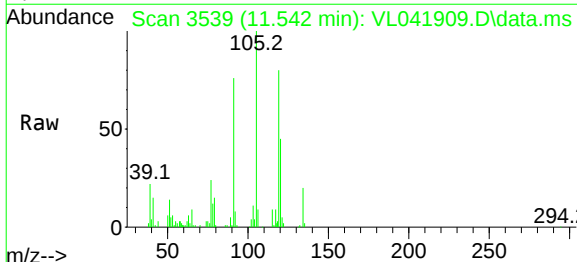
Tgt Ion:105 Resp: 14915  
Ion Ratio Lower Upper  
105 100  
120 48.9 35.4 53.2

Manual Integrations  
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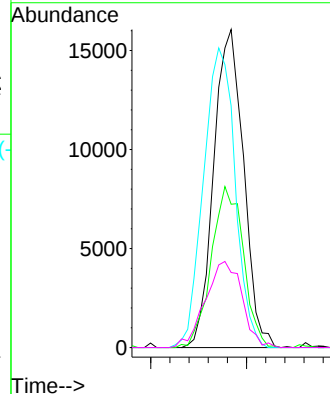
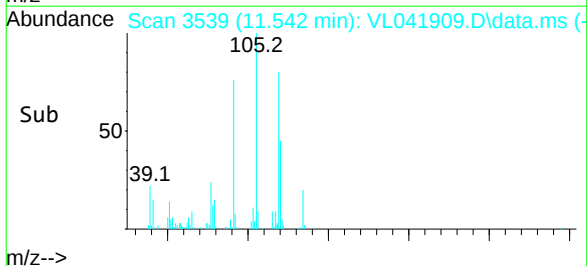
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025

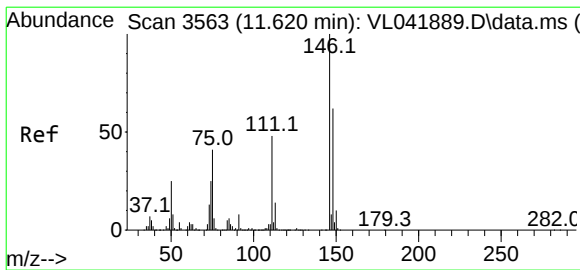


#74  
1,2,4-Trimethylbenzene  
Concen: 0.366 ppbv  
RT: 11.542 min Scan# 3539  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52



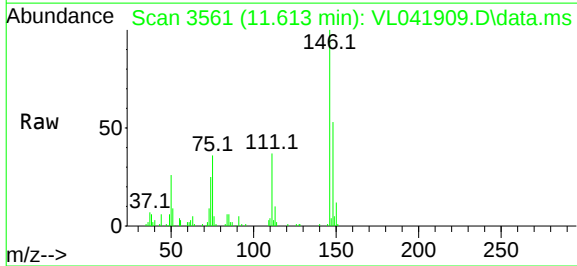
Tgt Ion:105 Resp: 17372  
Ion Ratio Lower Upper  
105 100  
120 45.1 41.4 62.2  
91 76.0 60.2 90.2  
77 23.6 22.0 33.0





#75  
1,3-Dichlorobenzene  
Concen: 0.461 ppbv  
RT: 11.613 min Scan# 3561  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

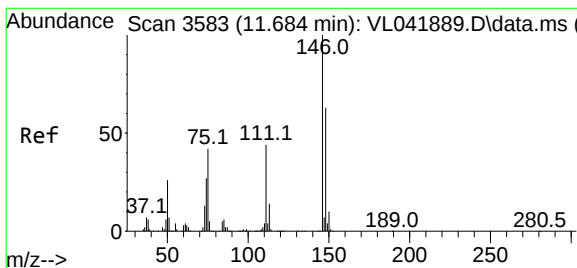
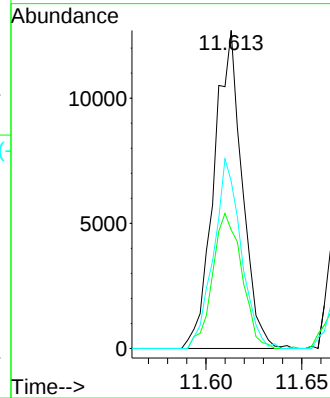
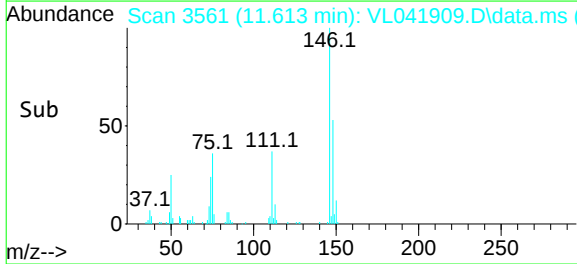
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



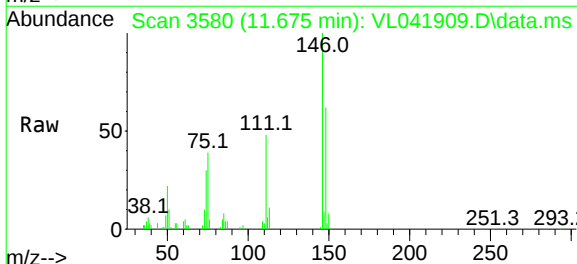
Tgt Ion:146 Resp: 12970  
Ion Ratio Lower Upper  
146 100  
111 44.3 23.6 70.8  
148 58.0 31.4 94.0

Manual Integrations  
APPROVED

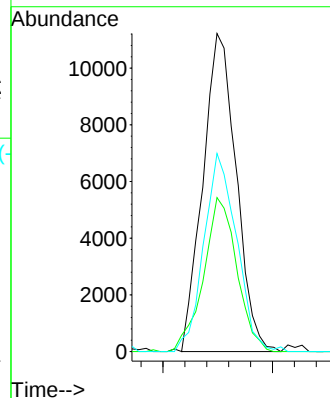
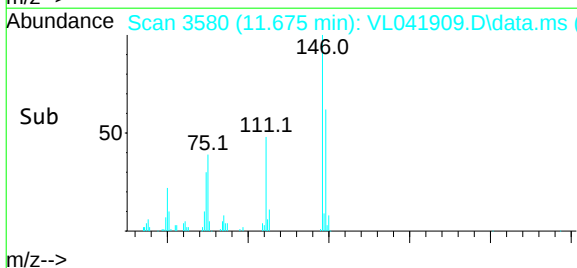
Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025

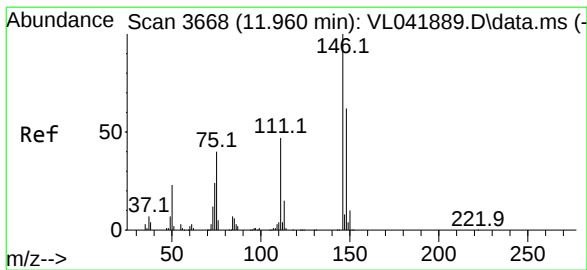


#76  
1,4-Dichlorobenzene  
Concen: 0.432 ppbv  
RT: 11.675 min Scan# 3580  
Delta R.T. -0.010 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52



Tgt Ion:146 Resp: 11879  
Ion Ratio Lower Upper  
146 100  
111 48.1 22.4 67.0  
148 61.1 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 0.437 ppbv

RT: 11.953 min Scan# 3668

Delta R.T. -0.007 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

Instrument :

MSVOA\_L

ClientSampleId :

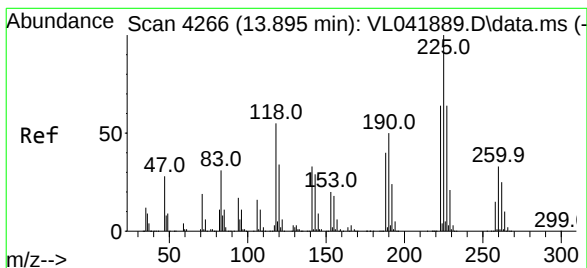
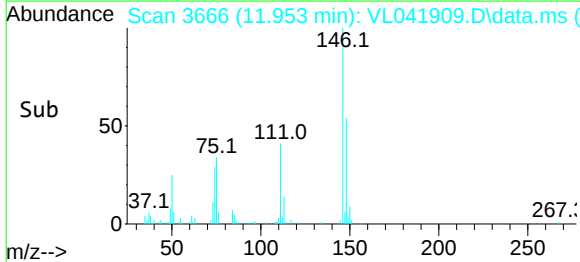
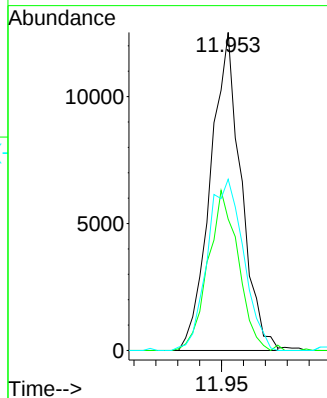
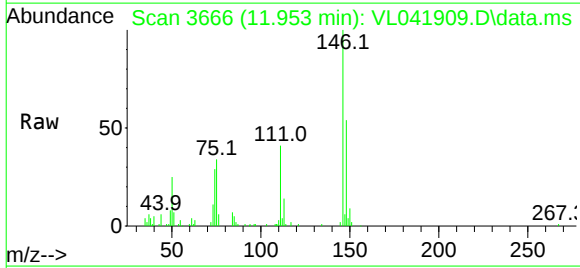
MDL 0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 12185 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 49.7  | 24.2  | 72.6  |
| 148       | 63.3  | 31.7  | 95.1  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.416 ppbv

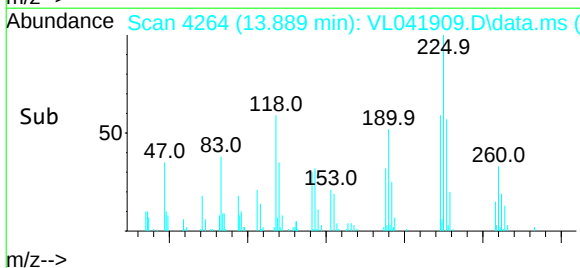
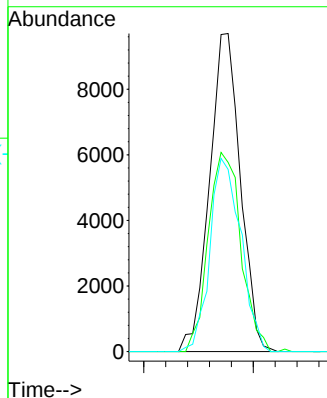
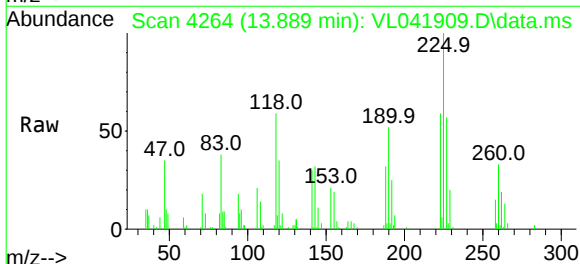
RT: 13.889 min Scan# 4264

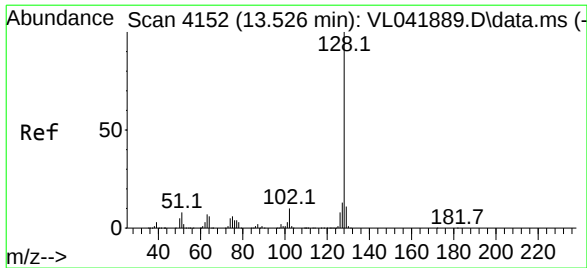
Delta R.T. -0.007 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 9510 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 66.4  | 50.8  | 76.2 |
| 227       | 60.9  | 50.3  | 75.5 |





#79

Naphthalene

Concen: 0.332 ppbv

RT: 13.520 min Scan# 4152

Delta R.T. -0.007 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

Instrument :

MSVOA\_L

ClientSampleId :

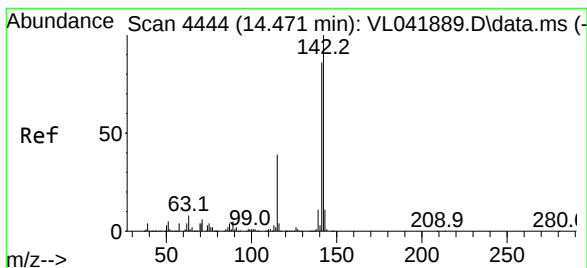
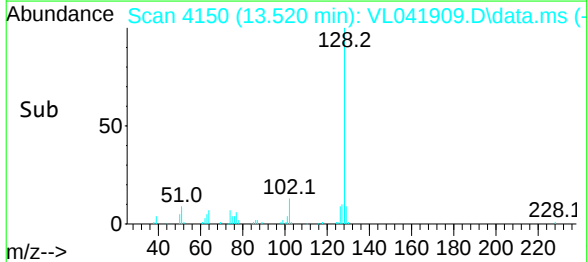
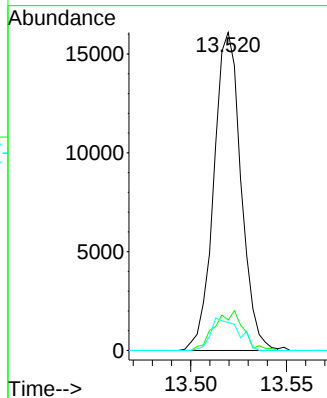
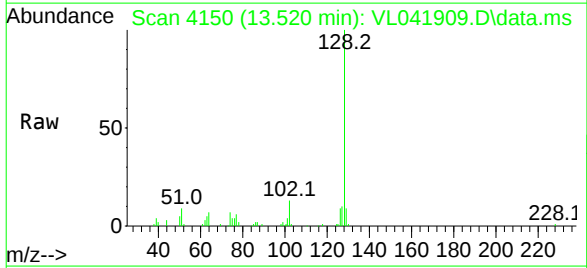
MDL 0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 15877 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 9.5   | 10.2  | 15.4  |
| 129       | 8.8   | 9.1   | 13.7  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025



#80

Naphthalene, 2-methyl-

Concen: 0.280 ppbv

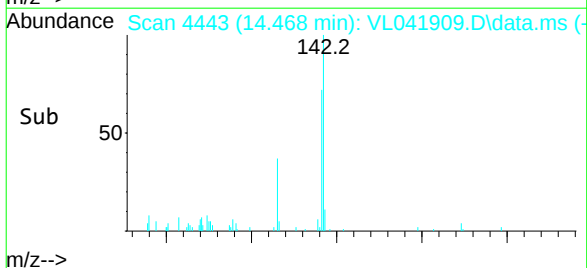
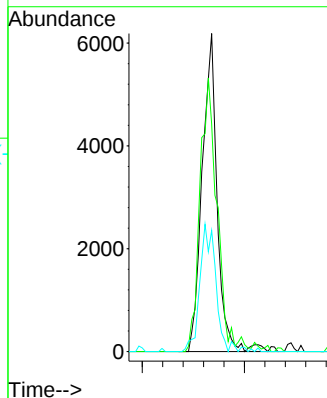
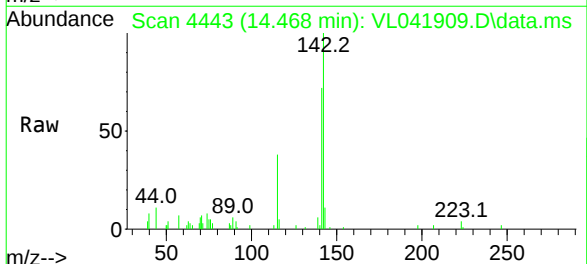
RT: 14.468 min Scan# 4443

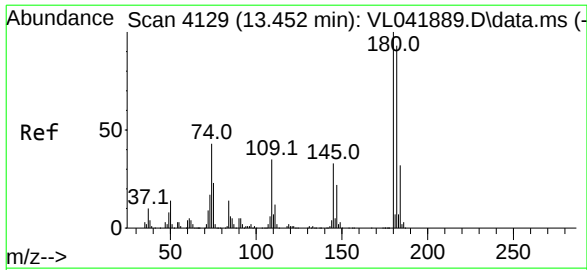
Delta R.T. -0.003 min

Lab File: VL041909.D

Acq: 15 Jan 2025 00:52

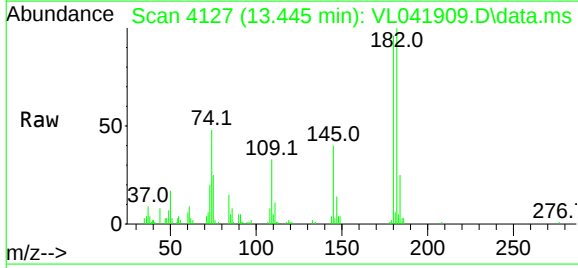
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 6349  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 99.6  | 68.1  | 102.1 |
| 115       | 41.9  | 31.7  | 47.5  |





#81  
1,2,4-Trichlorobenzene  
Concen: 0.366 ppbv  
RT: 13.445 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VL041909.D  
Acq: 15 Jan 2025 00:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 8539  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 100.5 | 77.0  | 115.6 |
| 184       | 29.2  | 24.9  | 37.3  |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025  
Supervised By :Mahesh Dadoda 01/15/2025

