

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042372.D  
 Acq On : 17 Apr 2025 23:26  
 Operator : SY/MD  
 Sample : Q1726-07  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-B2-4-03312025

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025  
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 02:46:43 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.787  | 49    | 110448   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.956  | 114   | 317011   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.879  | 117   | 275197   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.374 | 95    | 229240   | 10.137   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 101.400% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane  | 1.496  | 85    | 9928     | 0.509    | ppbv   | 92       |
| 3) Chlorodifluoromethane    | 1.473  | 51    | 4119m    | 0.222    | ppbv   |          |
| 4) Chloromethane            | 1.531  | 50    | 4664     | 0.604    | ppbv   | 95       |
| 9) Propene                  | 1.486  | 41    | 24901m   | 2.943    | ppbv   |          |
| 10) Heptane                 | 4.978  | 43    | 98760    | 4.154    | ppbv   | 99       |
| 11) Trichlorofluoromethane  | 1.875  | 101   | 5086     | 0.274    | ppbv   | 100      |
| 13) Ethanol                 | 1.719  | 45    | 434403   | 322.963  | ppbv   | 75       |
| 15) Acetone                 | 1.832  | 43    | 3068967  | 169.738  | ppbv # | 45       |
| 17) tert-Butyl alcohol      | 2.043  | 59    | 16507m   | 0.737    | ppbv   |          |
| 19) Isopropyl Alcohol       | 1.884  | 45    | 344907   | 34.339   | ppbv # | 33       |
| 20) Methylene Chloride      | 2.062  | 84    | 19413    | 2.742    | ppbv   | 97       |
| 26) Hexane                  | 2.823  | 57    | 68262    | 3.784    | ppbv # | 38       |
| 29) Chloroform              | 2.846  | 83    | 2771m    | 0.109    | ppbv   |          |
| 30) Cyclohexane             | 3.855  | 84    | 18963    | 1.300    | ppbv   | 93       |
| 34) 2-Butanone              | 2.557  | 43    | 29844    | 1.190    | ppbv   | 96       |
| 35) Carbon Tetrachloride    | 3.758  | 117   | 2428m    | 0.085    | ppbv   |          |
| 36) Benzene                 | 3.651  | 78    | 38575    | 1.128    | ppbv   | 95       |
| 37) 1,2-Dichloroethane      | 3.218  | 62    | 4357     | 0.212    | ppbv # | 93       |
| 44) 2,2,4-Trimethylpentane  | 4.639  | 57    | 623779   | 10.563   | ppbv   | 95       |
| 50) 4-Methyl-2-Pentanone    | 5.762  | 43    | 17333m   | 0.416    | ppbv   |          |
| 52) Tetrachloroethene       | 8.222  | 164   | 1704m    | 0.129    | ppbv   |          |
| 53) Toluene                 | 6.933  | 91    | 1085281  | 26.450   | ppbv   | 99       |
| 58) Ethyl Benzene           | 9.351  | 91    | 277437   | 5.088    | ppbv   | 100      |
| 59) m/p-Xylene              | 9.529  | 91    | 770401   | 17.539   | ppbv   | 99       |
| 60) o-Xylene                | 9.963  | 91    | 305451   | 6.906    | ppbv   | 98       |
| 61) Styrene                 | 9.872  | 104   | 7737     | 0.366    | ppbv   | 91       |
| 62) Isopropylbenzene        | 10.536 | 105   | 32373    | 0.499    | ppbv   | 99       |
| 64) n-propylbenzene         | 10.986 | 120   | 27039    | 1.657    | ppbv   | 87       |
| 67) sec-Butylbenzene        | 11.766 | 105   | 10233    | 0.123    | ppbv # | 60       |
| 69) p-Isopropyltoluene      | 11.924 | 119   | 39473    | 0.547    | ppbv   | 95       |
| 70) n-Butylbenzene          | 12.280 | 91    | 40596m   | 0.540    | ppbv   |          |
| 71) 2-Chlorotoluene         | 10.902 | 91    | 70326    | 1.381    | ppbv   | 100      |
| 72) 4-Ethyltoluene          | 11.122 | 105   | 146733   | 2.714    | ppbv # | 56       |
| 73) 1,3,5-Trimethylbenzene  | 11.203 | 105   | 156177   | 3.271    | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene  | 11.536 | 105   | 502862   | 9.018    | ppbv # | 64       |
| 76) 1,4-Dichlorobenzene     | 11.669 | 146   | 10548    | 0.362    | ppbv # | 80       |
| 79) Naphthalene             | 13.513 | 128   | 38387    | 0.576    | ppbv   | 96       |
| 80) Naphthalene,2-methyl-   | 14.459 | 142   | 7927     | 0.209    | ppbv # | 89       |

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

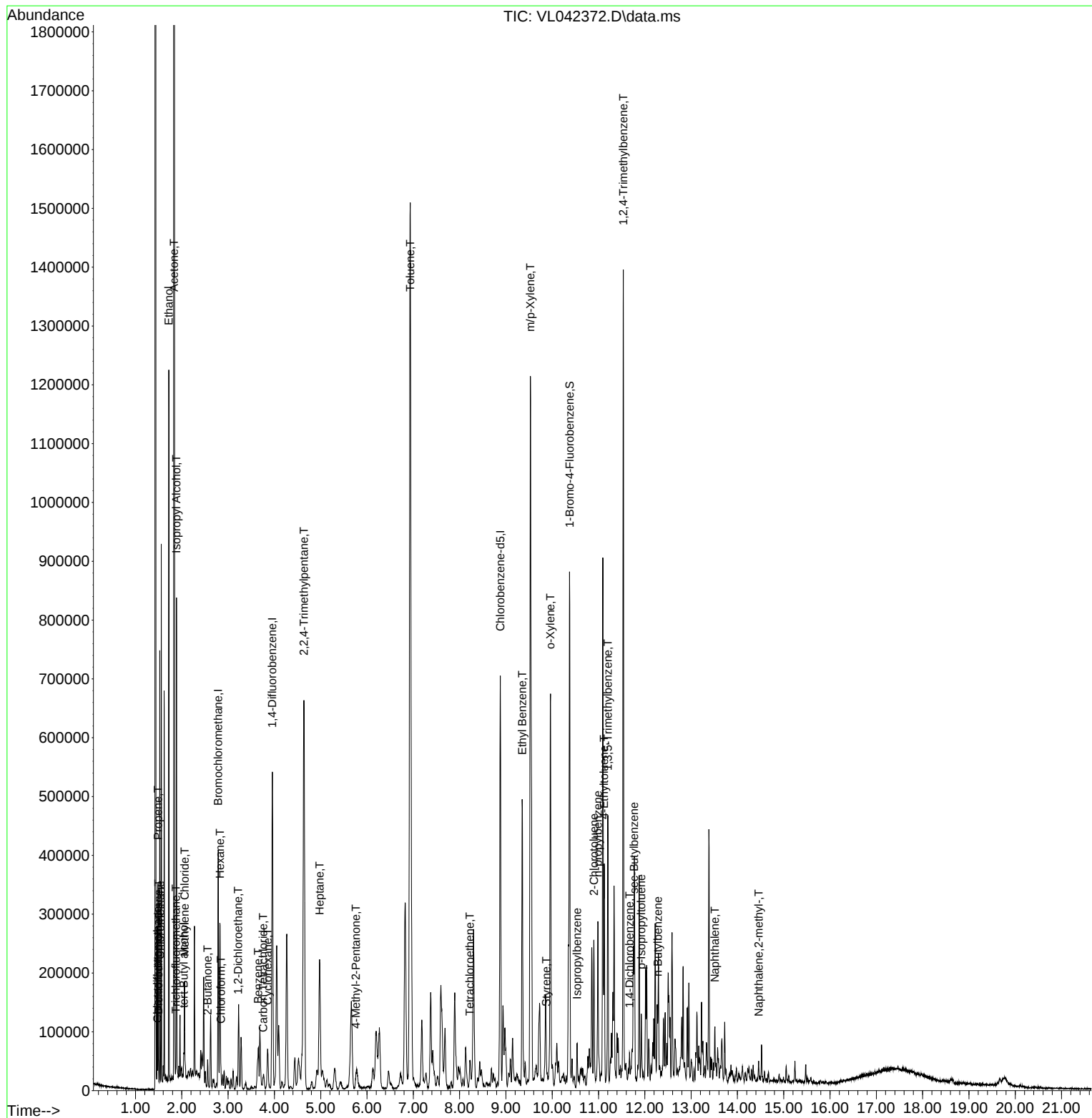
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
Data File : VL042372.D  
Acq On : 17 Apr 2025 23:26  
Operator : SY/MD  
Sample : Q1726-07  
Misc : 400mL/MSVOA\_L  
ALS Vial : 6 Sample Multiplier: 1

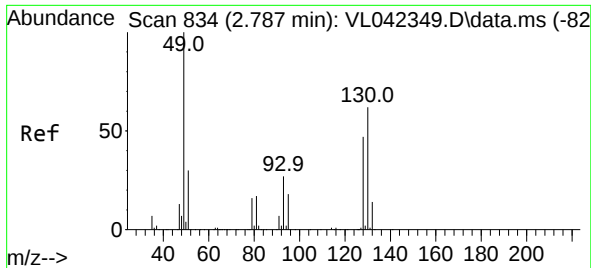
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B2-4-03312025

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025

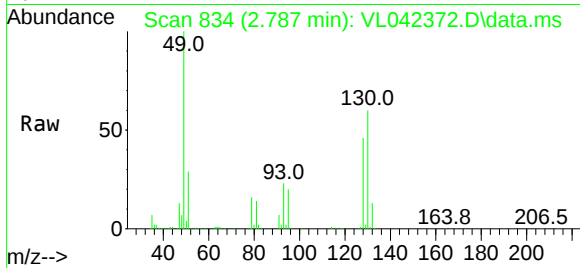
Quant Time: Apr 18 02:46:43 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Fri Apr 18 02:14:00 2025  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 834  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

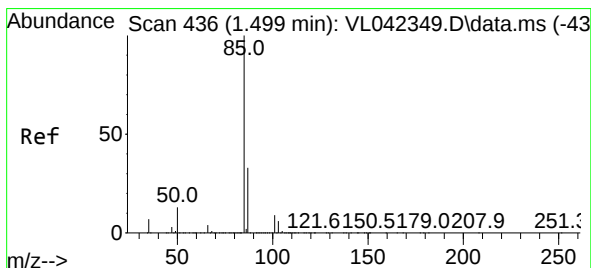
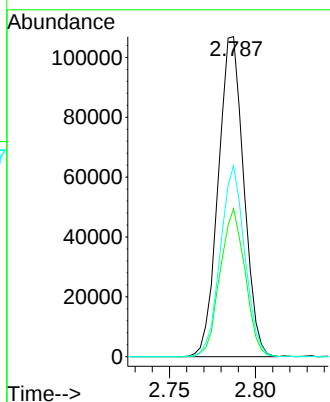
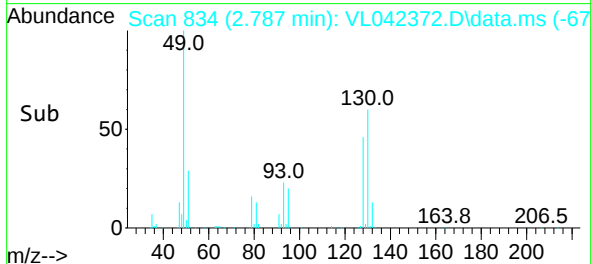
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B2-4-03312025



Tgt Ion: 49 Resp: 110448  
Ion Ratio Lower Upper  
49 100  
128 45.3 22.8 68.4  
130 57.0 29.3 88.0

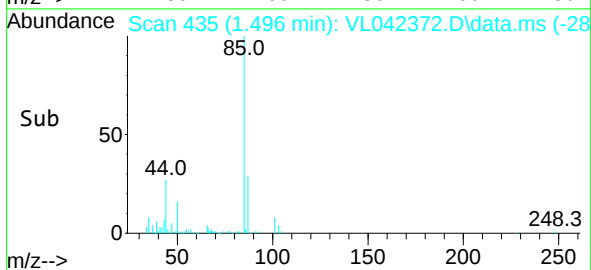
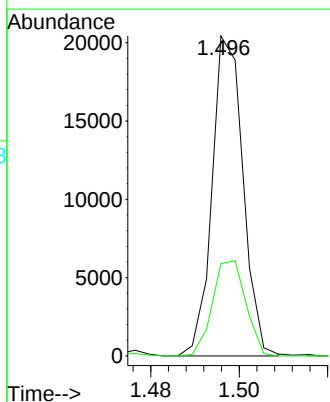
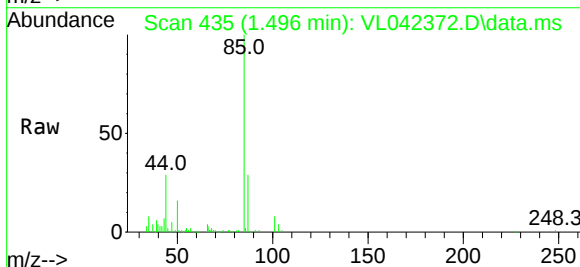
Manual Integrations  
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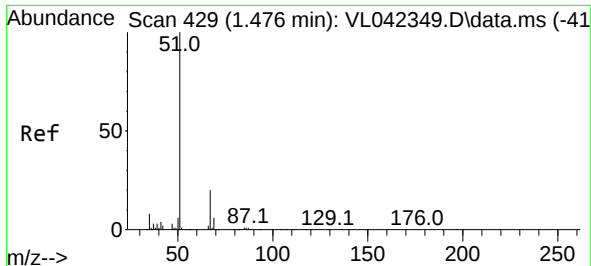
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#2  
Dichlorodifluoromethane  
Concen: 0.509 ppbv  
RT: 1.496 min Scan# 435  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

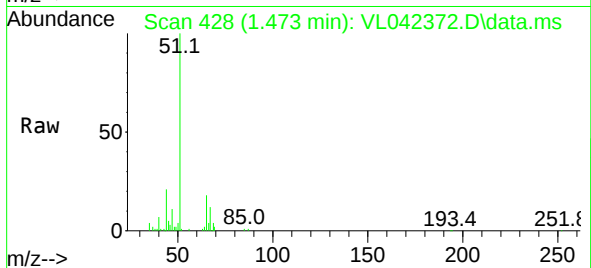
Tgt Ion: 85 Resp: 9928  
Ion Ratio Lower Upper  
85 100  
87 28.9 26.6 39.8





#3  
Chlorodifluoromethane  
Concen: 0.222 ppbv m  
RT: 1.473 min Scan# 411  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

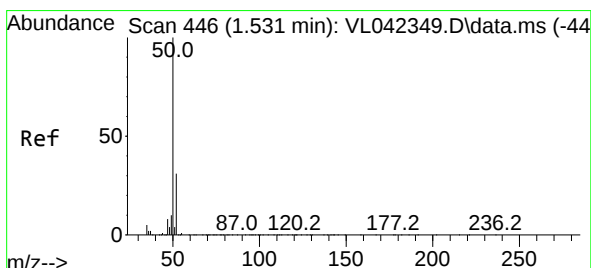
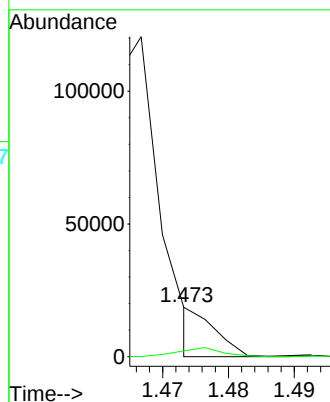
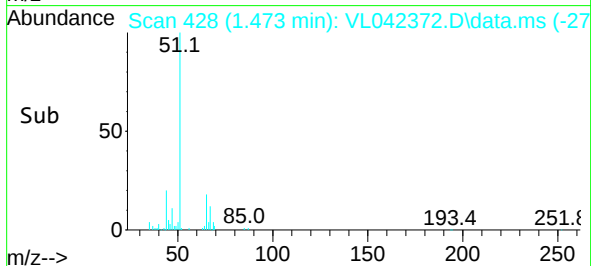
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B2-4-03312025



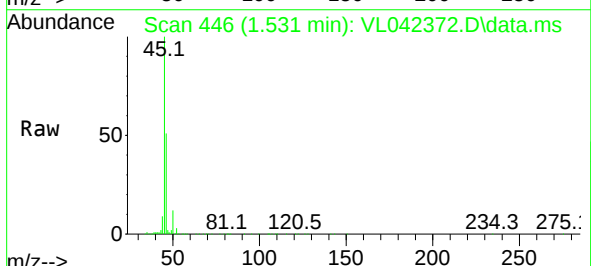
Tgt Ion: 51 Resp: 4119  
Ion Ratio Lower Upper  
51 100  
67 44.6 16.2 24.4

Manual Integrations  
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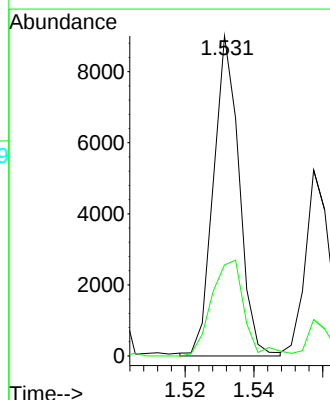
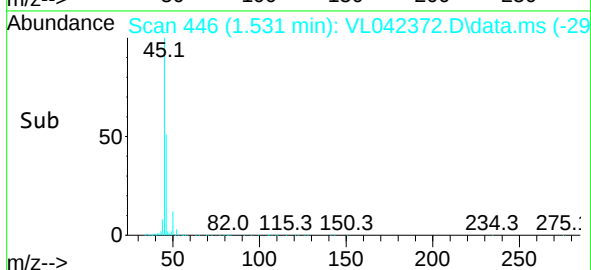
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025

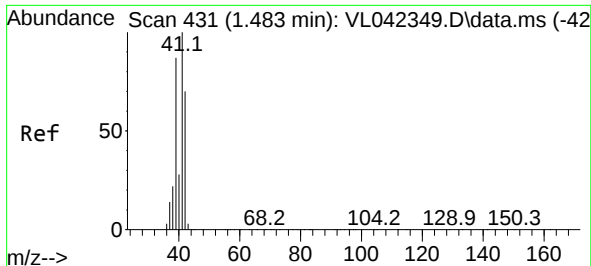


#4  
Chloromethane  
Concen: 0.604 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26



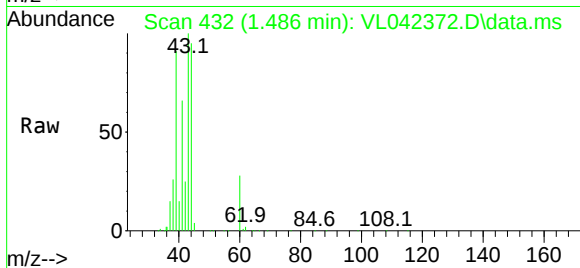
Tgt Ion: 50 Resp: 4664  
Ion Ratio Lower Upper  
50 100  
52 27.9 24.7 37.1





#9  
Propene  
Concen: 2.943 ppbv m  
RT: 1.486 min Scan# 41  
Delta R.T. 0.004 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

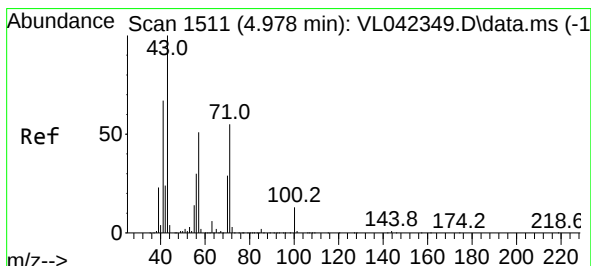
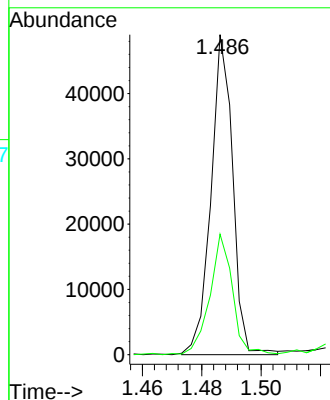
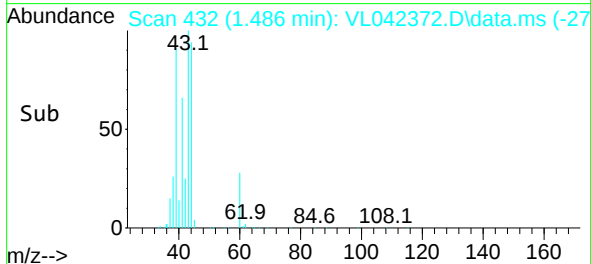
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B2-4-03312025



Tgt Ion: 41 Resp: 2490  
Ion Ratio Lower Upper  
41 100  
42 260.6 56.2 84.4

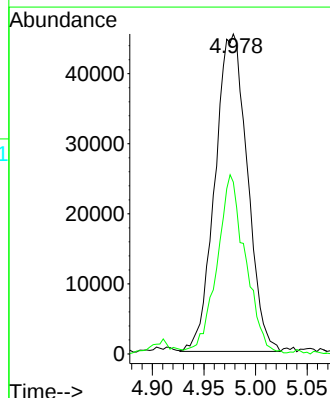
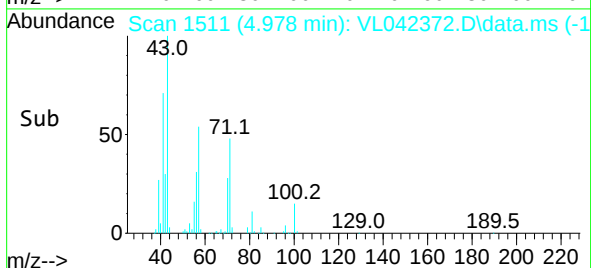
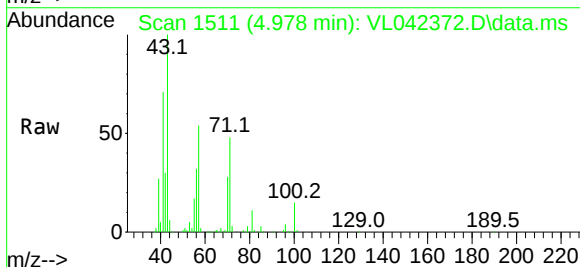
Manual Integrations  
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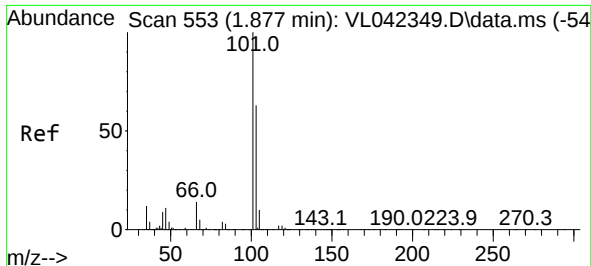
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#10  
Heptane  
Concen: 4.154 ppbv  
RT: 4.978 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

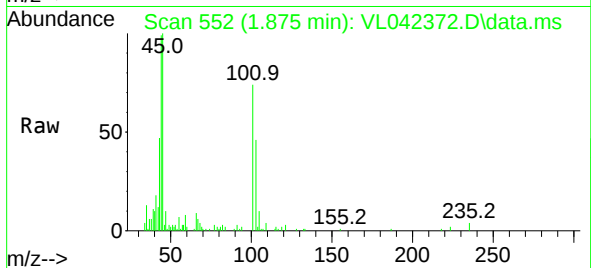
Tgt Ion: 43 Resp: 98760  
Ion Ratio Lower Upper  
43 100  
57 50.3 39.9 59.9





#11  
Trichlorofluoromethane  
Concen: 0.274 ppbv  
RT: 1.875 min Scan# 511  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

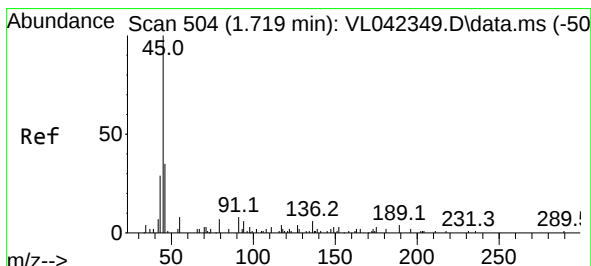
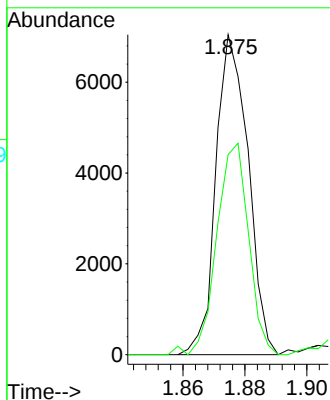
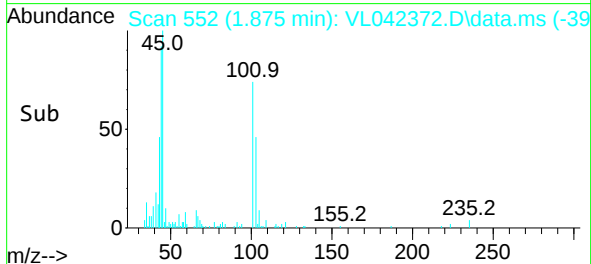
Instrument :  
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IA-B2-4-03312025



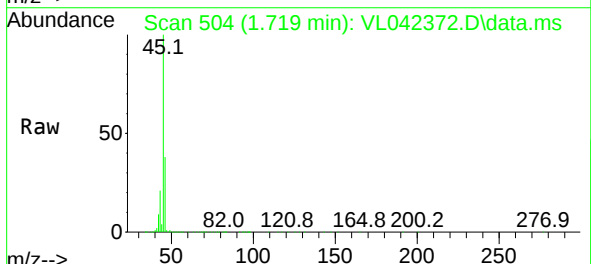
Tgt Ion:101 Resp: 5080  
Ion Ratio Lower Upper  
101 100  
103 62.5 50.1 75.1

Manual Integrations  
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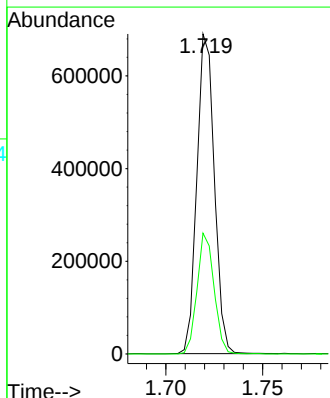
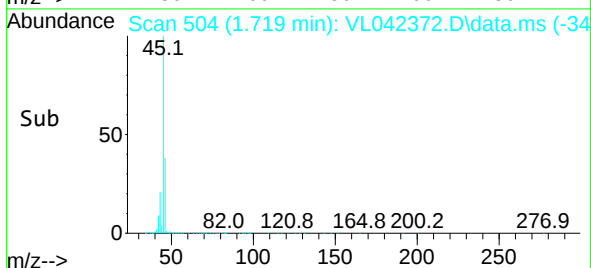
Reviewed By :Semsettin Yesilyurt 04/18/2025  
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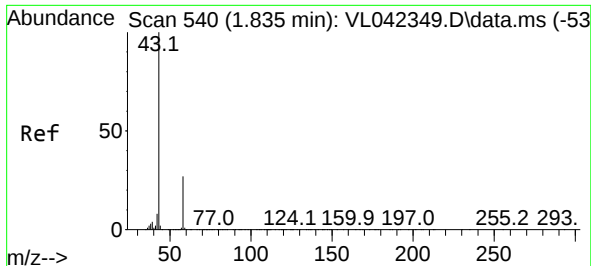


#13  
Ethanol  
Concen: 322.963 ppbv  
RT: 1.719 min Scan# 504  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26



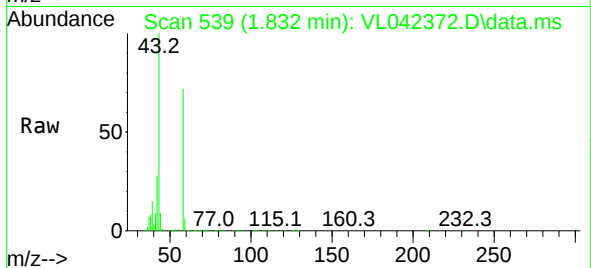
Tgt Ion: 45 Resp: 434403  
Ion Ratio Lower Upper  
45 100  
46 36.8 21.9 87.7





#15  
Acetone  
Concen: 169.738 ppbv  
RT: 1.832 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

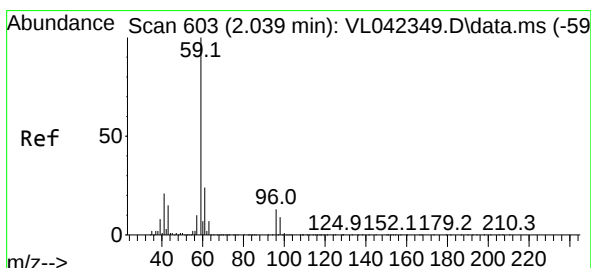
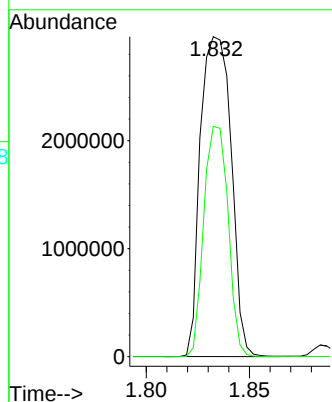
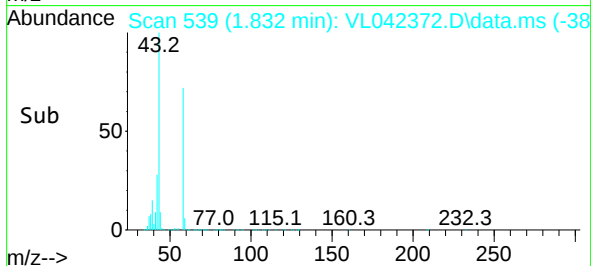
Instrument :  
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ClientSampleId :  
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Tgt Ion: 43 Resp: 306896  
Ion Ratio Lower Upper  
43 100  
58 56.8 22.4 33.6

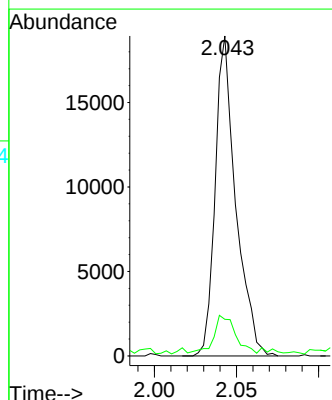
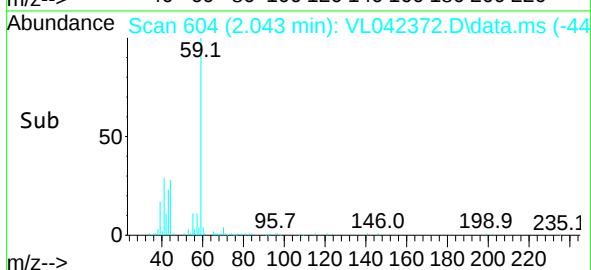
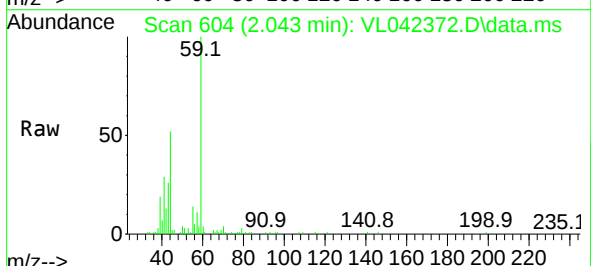
Manual Integrations  
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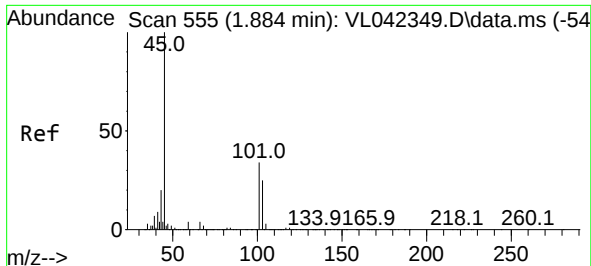
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#17  
tert-Butyl alcohol  
Concen: 0.737 ppbv m  
RT: 2.043 min Scan# 604  
Delta R.T. 0.004 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

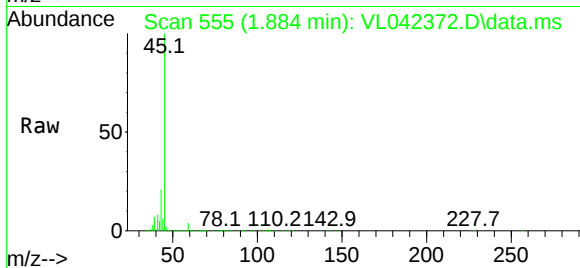
Tgt Ion: 59 Resp: 16507  
Ion Ratio Lower Upper  
59 100  
57 27.4 8.7 13.1#





#19  
Isopropyl Alcohol  
Concen: 34.339 ppbv  
RT: 1.884 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

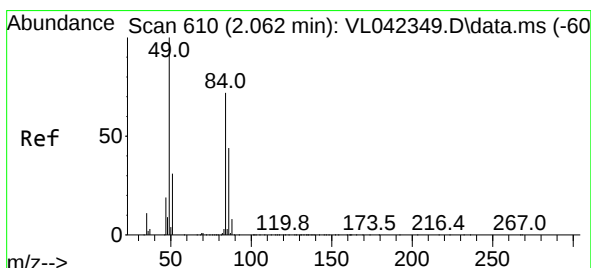
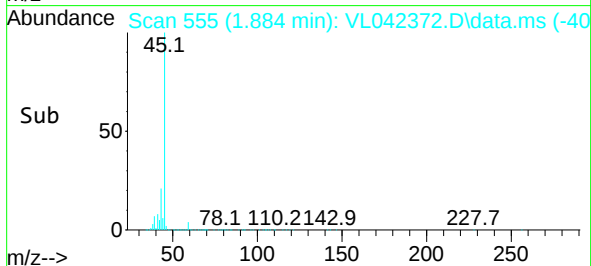
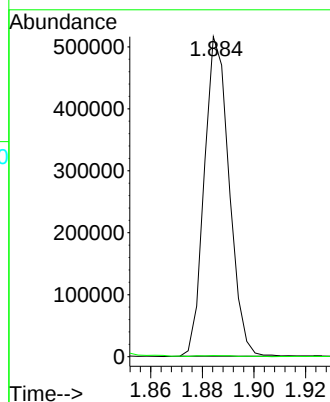
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B2-4-03312025



Tgt Ion: 45 Resp: 344907  
Ion Ratio Lower Upper  
45 100  
58 0.0 34.5 51.7

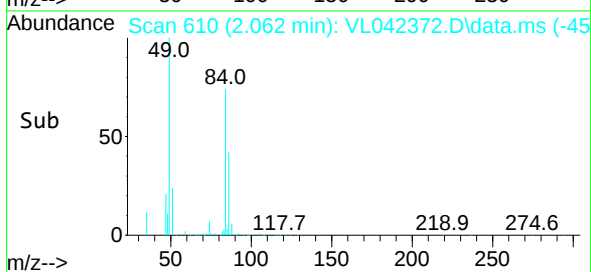
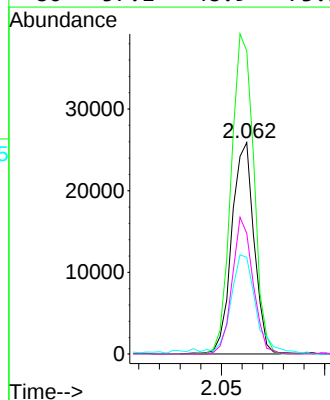
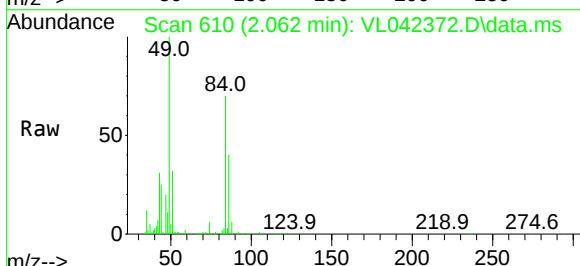
Manual Integrations  
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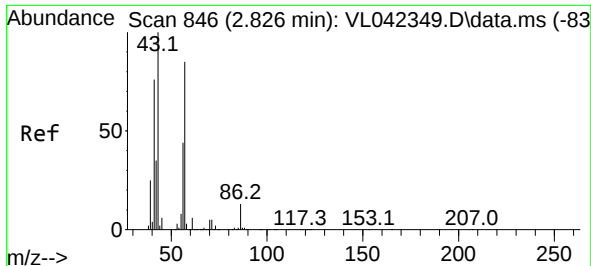
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#20  
Methylene Chloride  
Concen: 2.742 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

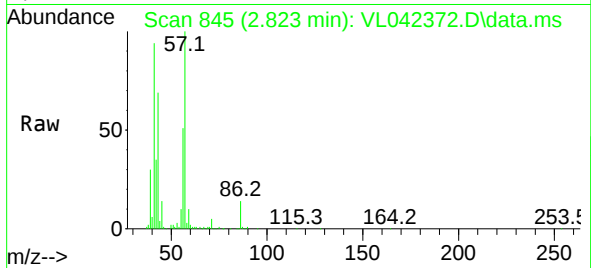
Tgt Ion: 84 Resp: 19413  
Ion Ratio Lower Upper  
84 100  
49 143.4 111.6 167.4  
51 44.2 35.1 52.7  
86 57.1 48.9 73.3





#26  
Hexane  
Concen: 3.784 ppbv  
RT: 2.823 min Scan# 846  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

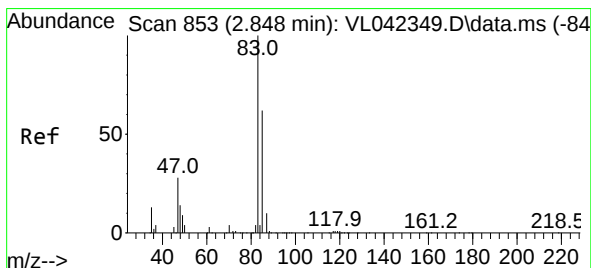
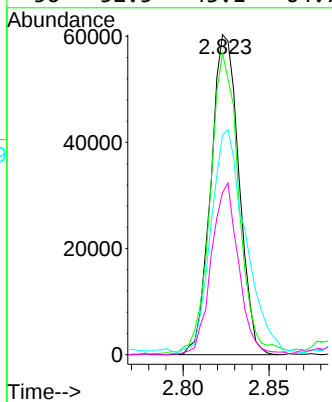
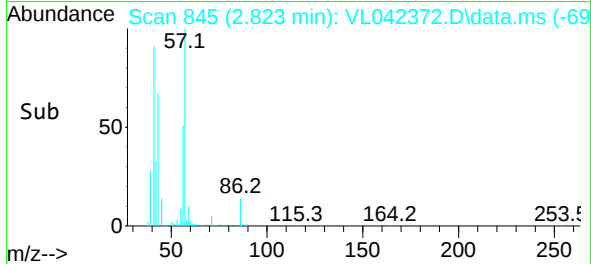
Instrument : MSVOA\_L  
ClientSampleId : IA-B2-4-03312025



Tgt Ion: 57 Resp: 6826  
Ion Ratio Lower Upper  
57 100  
41 96.5 77.9 116.9  
43 86.0 208.4 312.6  
56 52.5 43.1 64.7

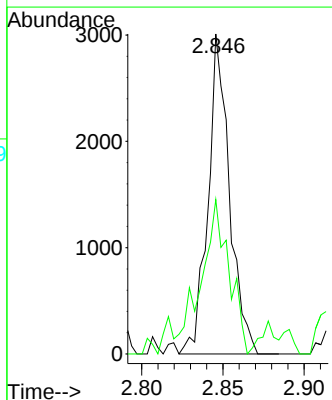
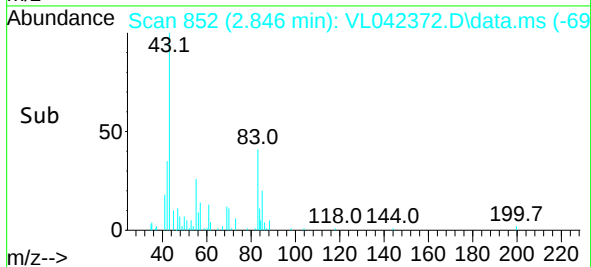
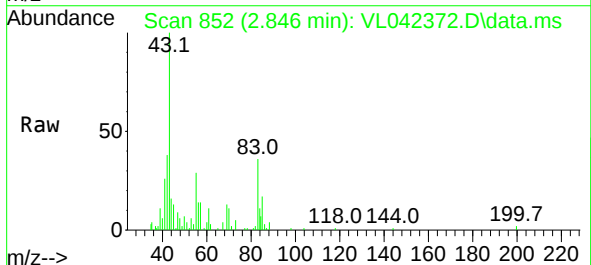
Manual Integrations  
APPROVED

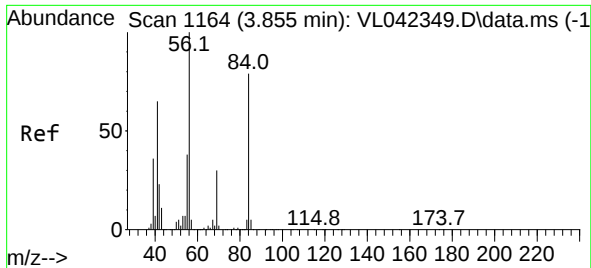
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#29  
Chloroform  
Concen: 0.109 ppbv m  
RT: 2.846 min Scan# 852  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

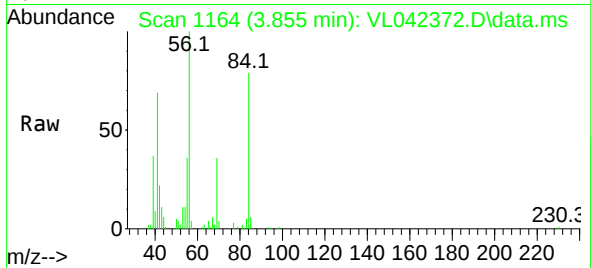
Tgt Ion: 83 Resp: 2771  
Ion Ratio Lower Upper  
83 100  
85 48.2 50.0 75.0#





#30  
Cyclohexane  
Concen: 1.300 ppbv  
RT: 3.855 min Scan# 1164  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

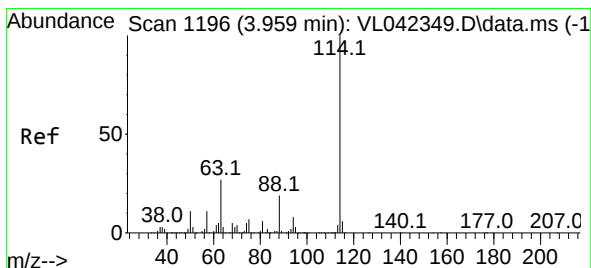
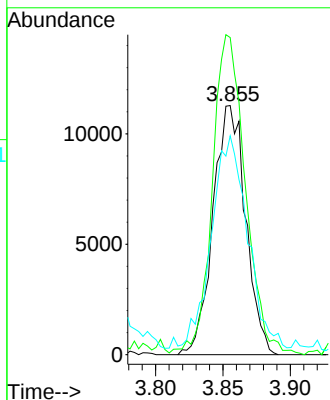
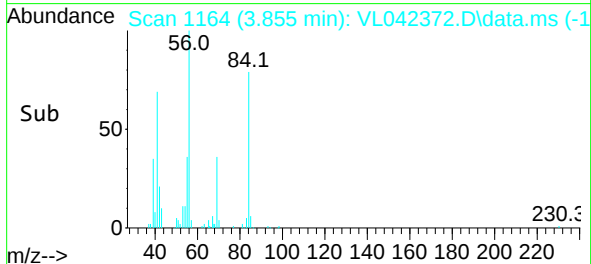
Instrument : MSVOA\_L  
ClientSampleId : IA-B2-4-03312025



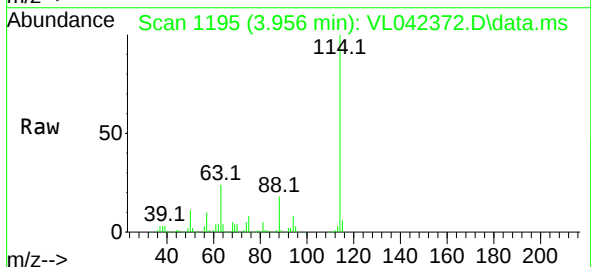
Tgt Ion: 84 Resp: 1896  
Ion Ratio Lower Upper  
84 100  
56 131.9 101.0 151.4  
41 93.9 67.4 101.0

Manual Integrations  
APPROVED

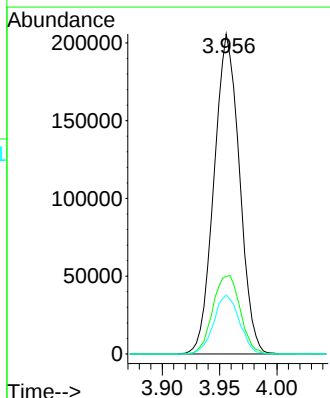
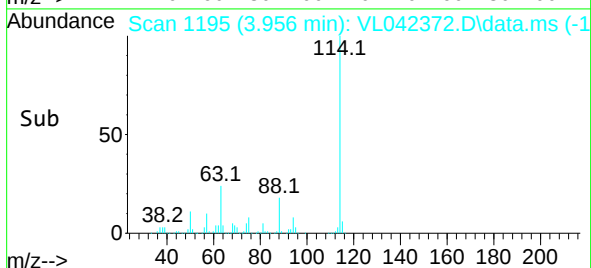
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025

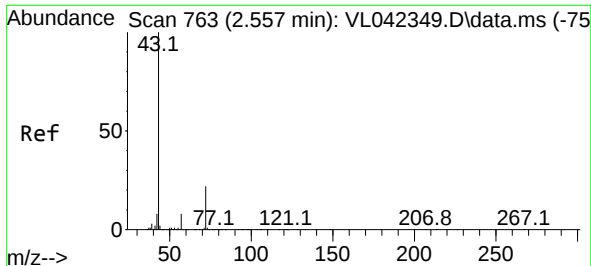


#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.956 min Scan# 1195  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26



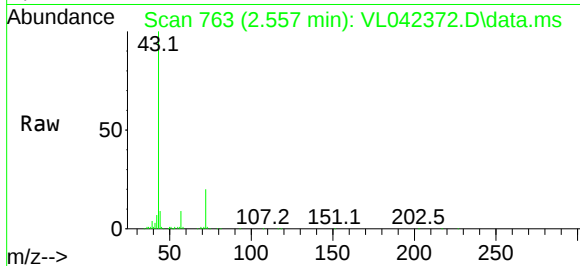
Tgt Ion:114 Resp: 317011  
Ion Ratio Lower Upper  
114 100  
63 26.5 21.8 32.6  
88 18.5 15.5 23.3





#34  
2-Butanone  
Concen: 1.190 ppbv  
RT: 2.557 min Scan# 763  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

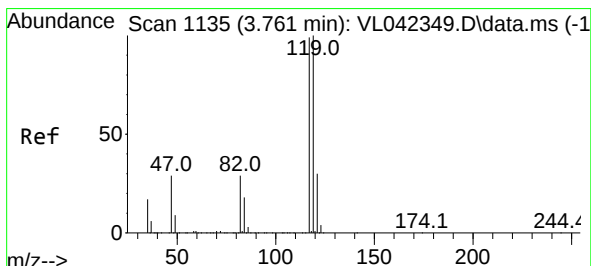
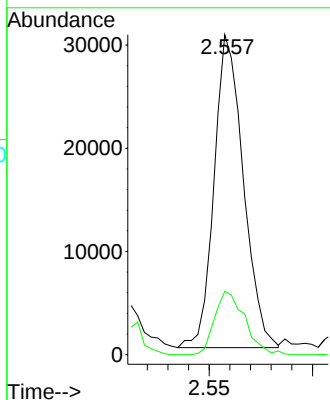
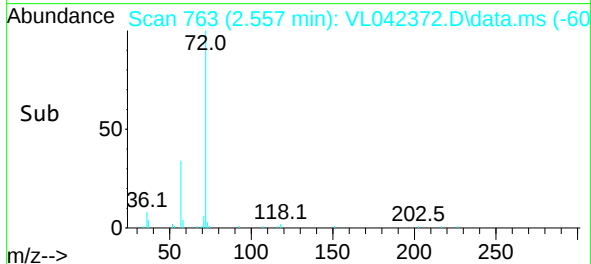
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B2-4-03312025



Tgt Ion: 43 Resp: 29844  
Ion Ratio Lower Upper  
43 100  
72 20.9 18.2 27.2

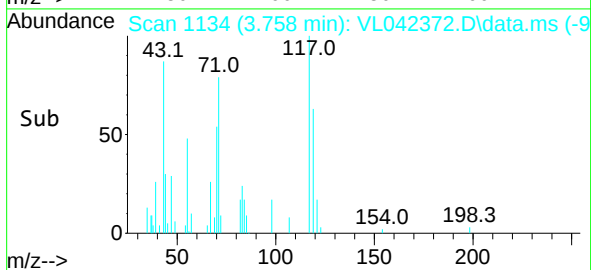
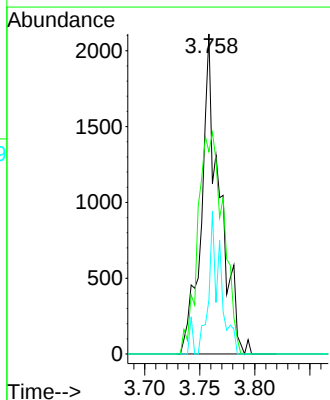
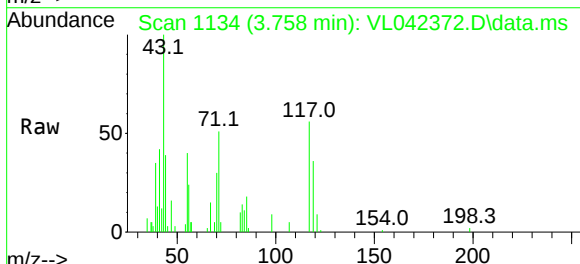
Manual Integrations  
APPROVED

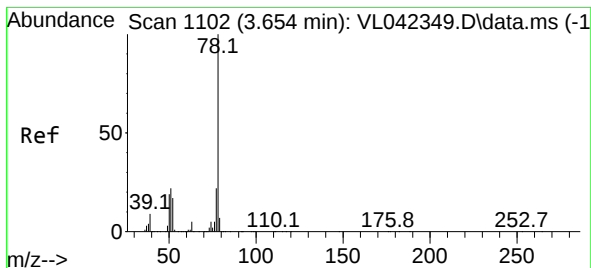
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#35  
Carbon Tetrachloride  
Concen: 0.085 ppbv m  
RT: 3.758 min Scan# 1134  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

Tgt Ion:117 Resp: 2428  
Ion Ratio Lower Upper  
117 100  
119 63.2 80.5 120.7#  
121 16.9 24.2 36.2#





#36

Benzene

Concen: 1.128 ppbv

RT: 3.651 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Instrument :

MSVOA\_L

ClientSampleId :

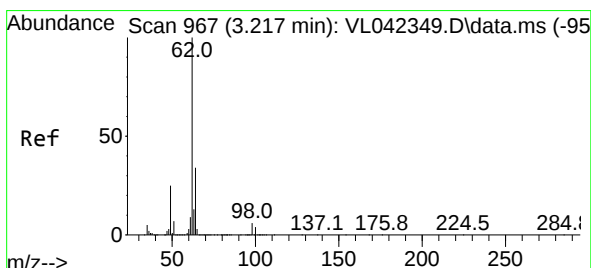
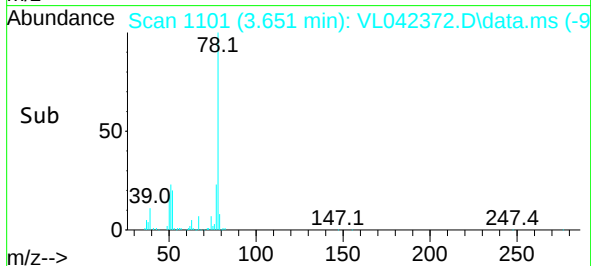
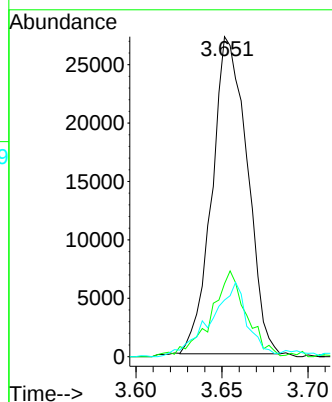
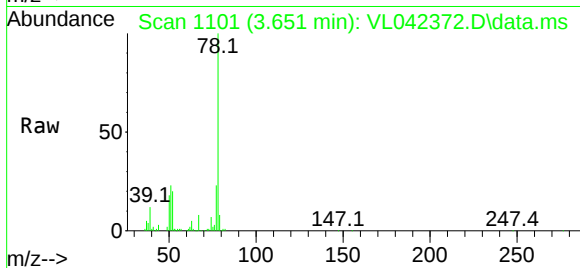
IA-B2-4-03312025

|             |             |
|-------------|-------------|
| Tgt Ion: 78 | Resp: 3857  |
| Ion Ratio   | Lower Upper |
| 78 100      |             |
| 77 22.7     | 17.4 26.0   |
| 50 15.8     | 15.5 23.3   |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#37

1,2-Dichloroethane

Concen: 0.212 ppbv

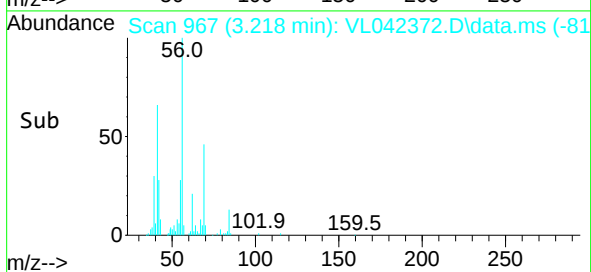
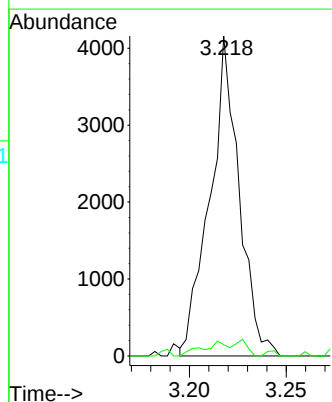
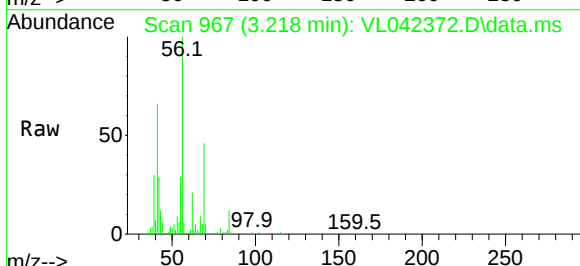
RT: 3.218 min Scan# 967

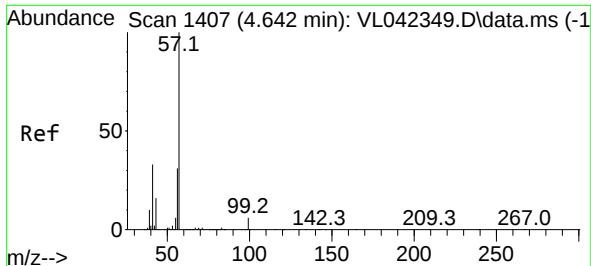
Delta R.T. 0.000 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 4357  |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 8.8      | 5.1 7.7#    |





#44

2,2,4-Trimethylpentane

Concen: 10.563 ppbv

RT: 4.639 min Scan# 1406

Delta R.T. -0.003 min

Lab File: VL042372.D

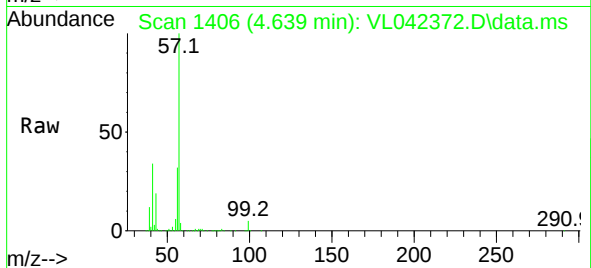
Acq: 17 Apr 2025 23:26

Instrument :

MSVOA\_L

ClientSampleId :

IA-B2-4-03312025

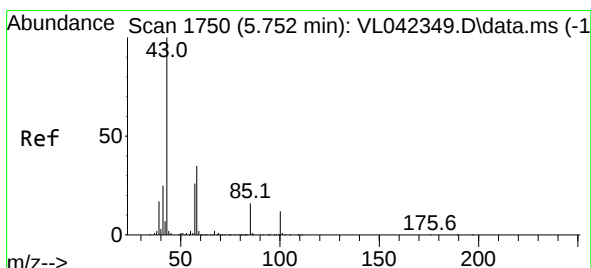
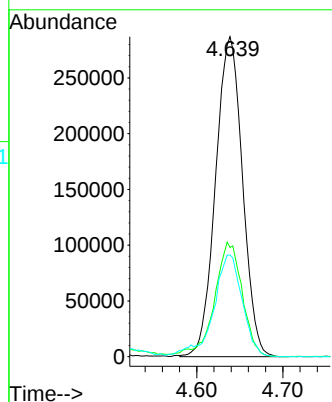
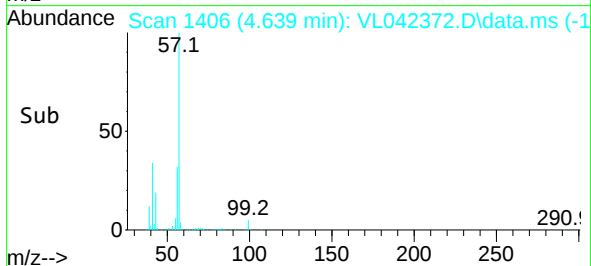


| Tgt Ion:  | 57   | Resp: | 623779 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 100  |       |        |
| 41        | 37.2 | 27.2  | 40.8   |
| 56        | 34.0 | 25.7  | 38.5   |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#50

4-Methyl-2-Pentanone

Concen: 0.416 ppbv m

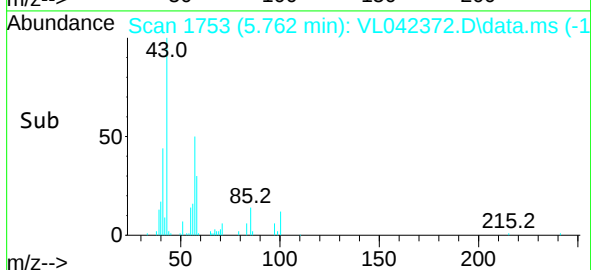
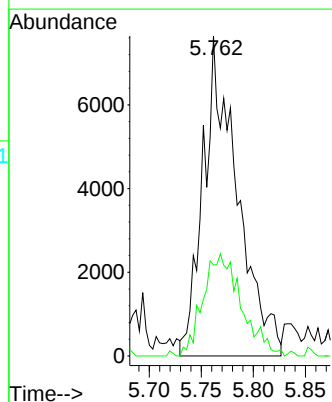
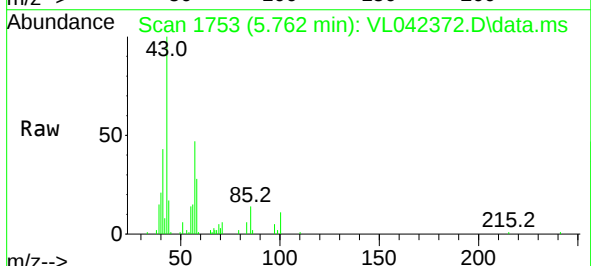
RT: 5.762 min Scan# 1753

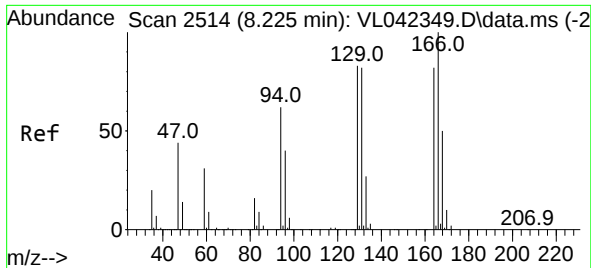
Delta R.T. 0.010 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

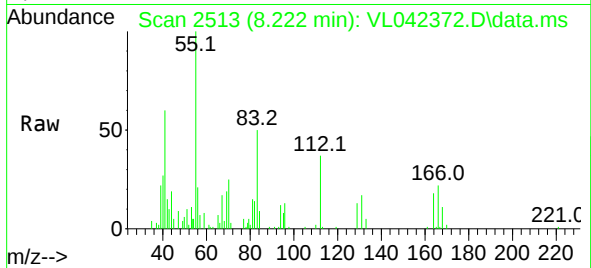
| Tgt Ion:  | 43  | Resp: | 17333 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 43        | 100 |       |       |
| 58        | 0.0 | 28.6  | 43.0# |





#52  
Tetrachloroethene  
Concen: 0.129 ppbv m  
RT: 8.222 min Scan# 2113  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

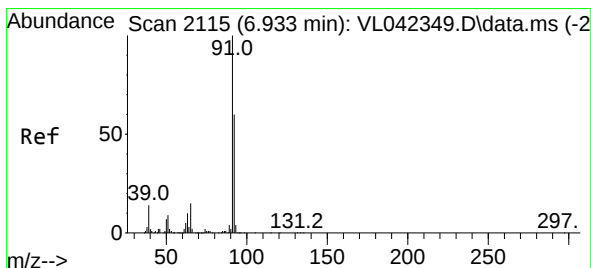
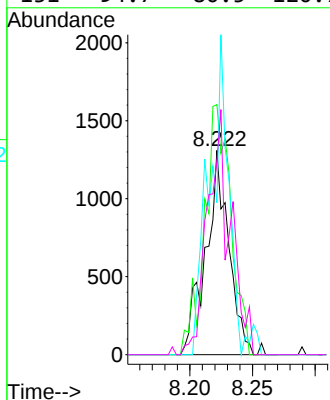
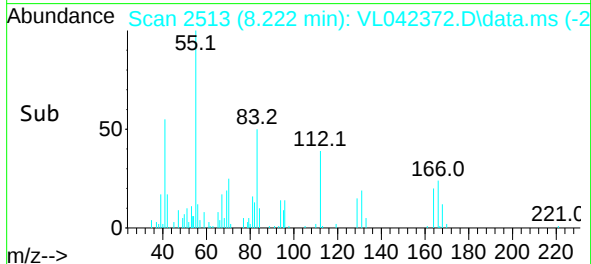
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B2-4-03312025



Tgt Ion:164 Resp: 1704  
Ion Ratio Lower Upper  
164 100  
166 122.4 98.2 147.2  
129 74.4 81.8 122.8  
131 94.7 80.5 120.7

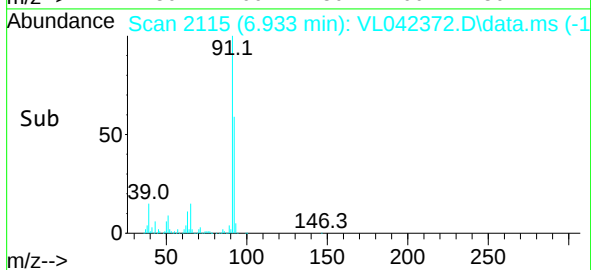
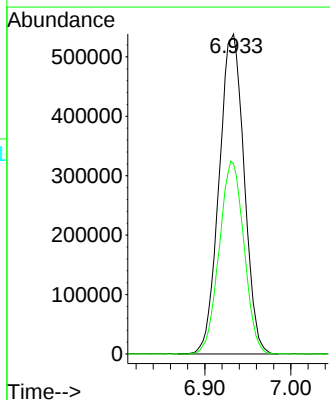
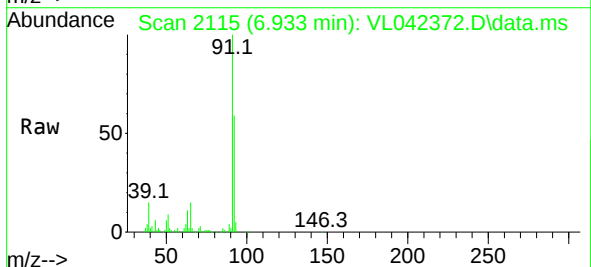
Manual Integrations  
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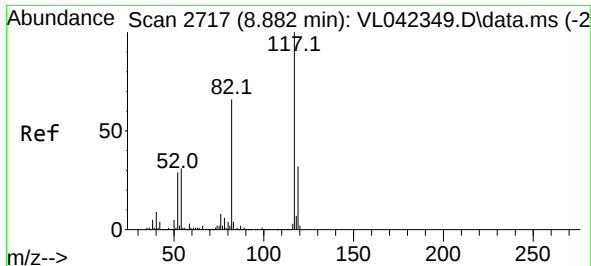
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#53  
Toluene  
Concen: 26.450 ppbv  
RT: 6.933 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

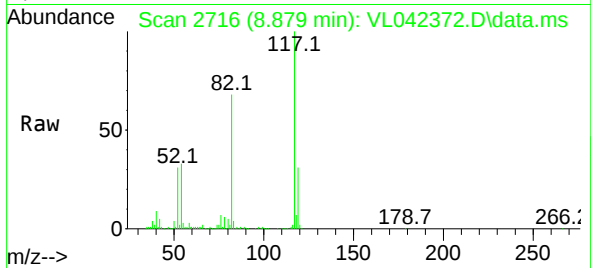
Tgt Ion: 91 Resp: 1085281  
Ion Ratio Lower Upper  
91 100  
92 59.7 48.2 72.4





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.879 min Scan# 2716  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

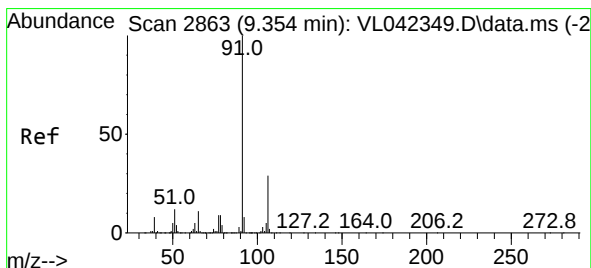
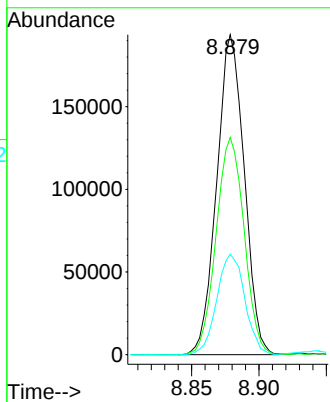
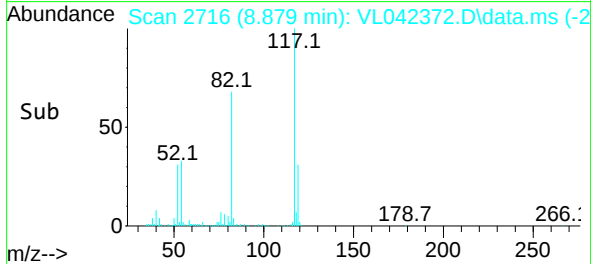
Instrument : MSVOA\_L  
ClientSampleId : IA-B2-4-03312025



Tgt Ion: 117 Resp: 27519  
Ion Ratio Lower Upper  
117 100  
82 69.1 57.8 86.6  
119 32.0 25.2 37.8

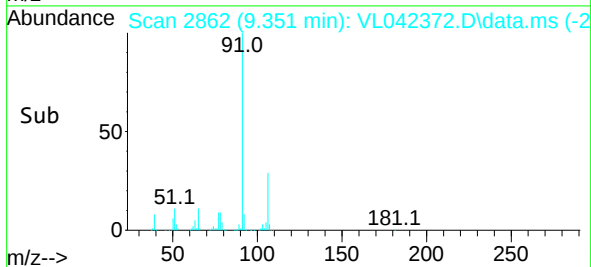
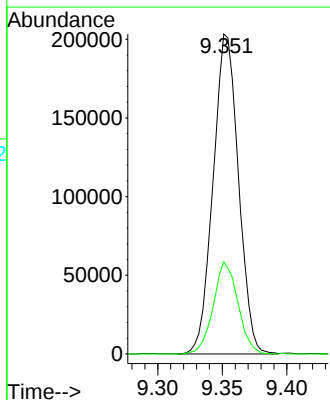
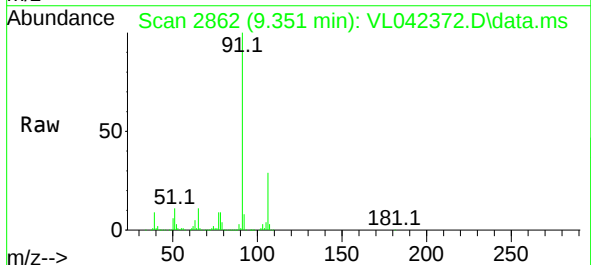
Manual Integrations  
APPROVED

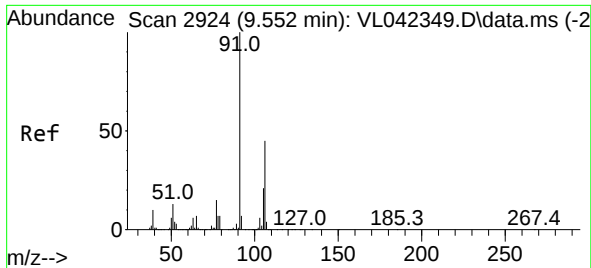
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#58  
Ethyl Benzene  
Concen: 5.088 ppbv  
RT: 9.351 min Scan# 2862  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

Tgt Ion: 91 Resp: 277437  
Ion Ratio Lower Upper  
91 100  
106 28.8 23.0 34.4





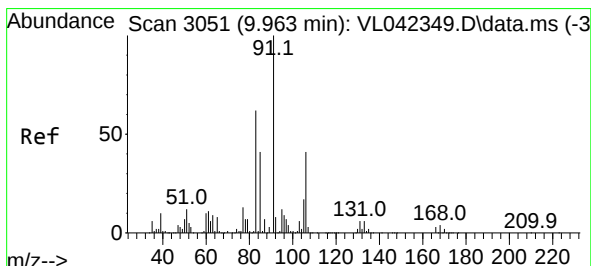
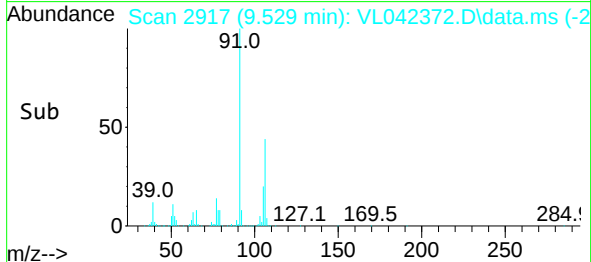
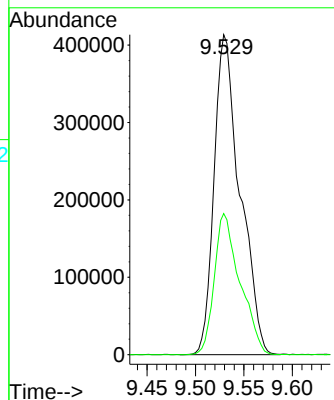
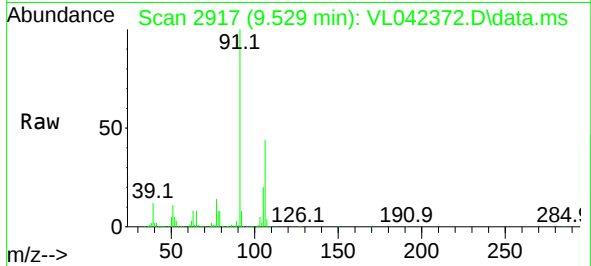
#59  
m/p-Xylene  
Concen: 17.539 ppbv  
RT: 9.529 min Scan# 2917  
Delta R.T. -0.022 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

Instrument : MSVOA\_L  
ClientSampleId : IA-B2-4-03312025

Tgt Ion: 91 Resp: 77040  
Ion Ratio Lower Upper  
91 100  
106 43.7 35.4 53.2

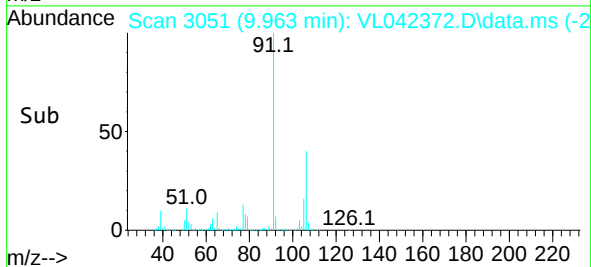
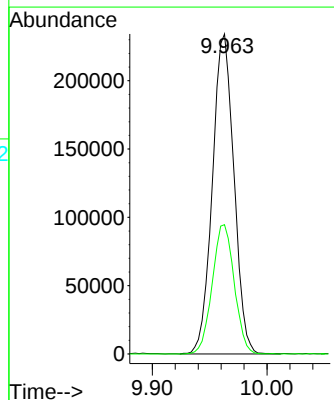
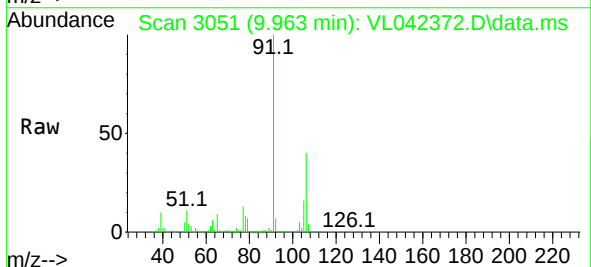
Manual Integrations  
APPROVED

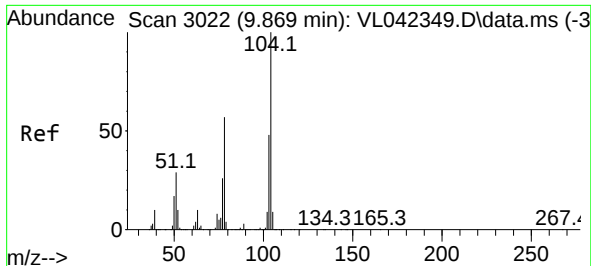
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#60  
o-Xylene  
Concen: 6.906 ppbv  
RT: 9.963 min Scan# 3051  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

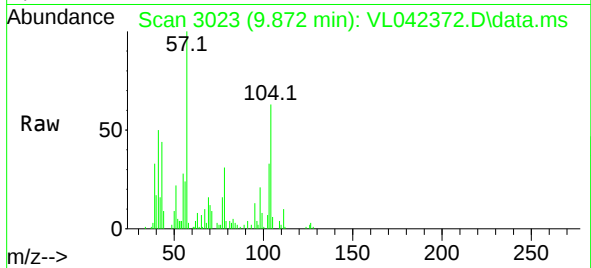
Tgt Ion: 91 Resp: 305451  
Ion Ratio Lower Upper  
91 100  
106 41.3 21.1 63.4





#61  
Styrene  
Concen: 0.366 ppbv  
RT: 9.872 min Scan# 3022  
Delta R.T. 0.004 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

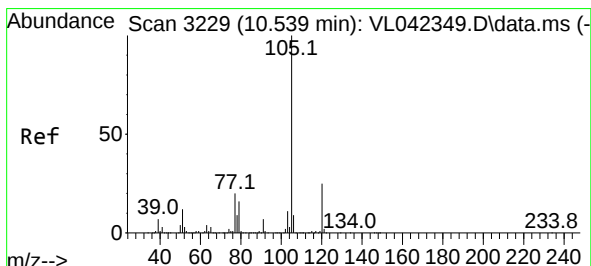
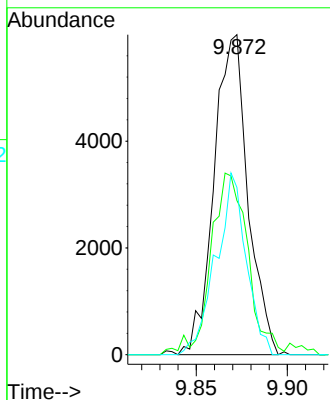
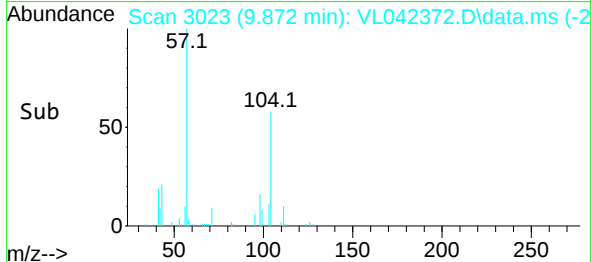
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B2-4-03312025



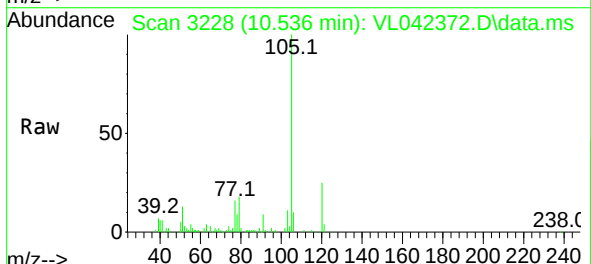
Tgt Ion:104 Resp: 773  
Ion Ratio Lower Upper  
104 100  
78 63.5 44.6 66.8  
103 50.7 37.4 56.0

Manual Integrations  
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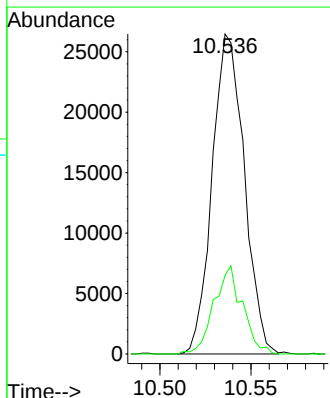
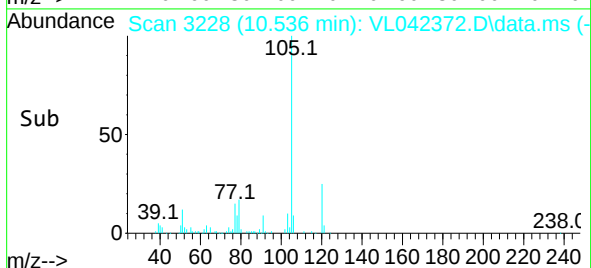
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025

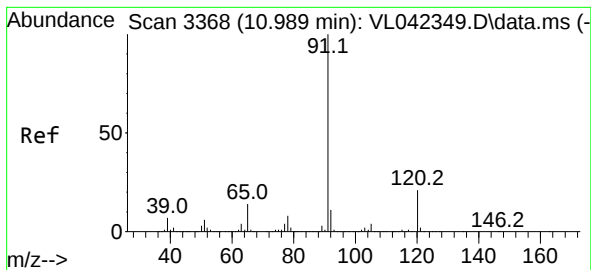


#62  
Isopropylbenzene  
Concen: 0.499 ppbv  
RT: 10.536 min Scan# 3228  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26



Tgt Ion:105 Resp: 32373  
Ion Ratio Lower Upper  
105 100  
120 24.4 19.8 29.8





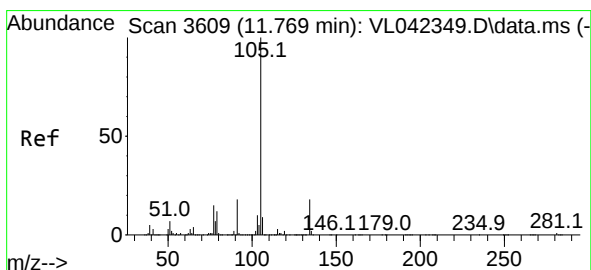
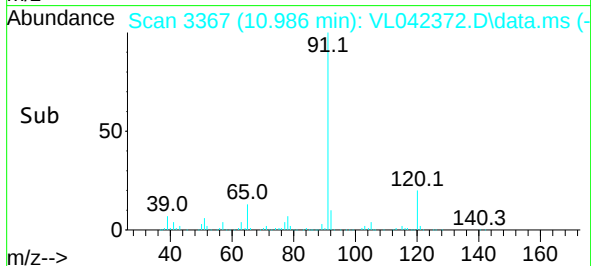
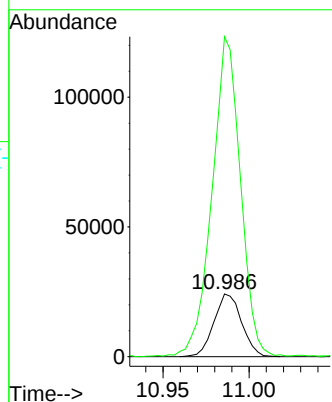
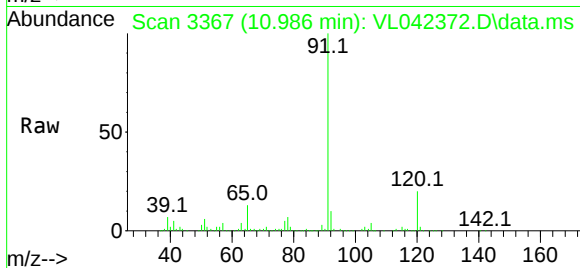
#64  
n-propylbenzene  
Concen: 1.657 ppbv  
RT: 10.986 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B2-4-03312025

Tgt Ion:120 Resp: 27039  
Ion Ratio Lower Upper  
120 100  
91 526.4 392.4 588.6

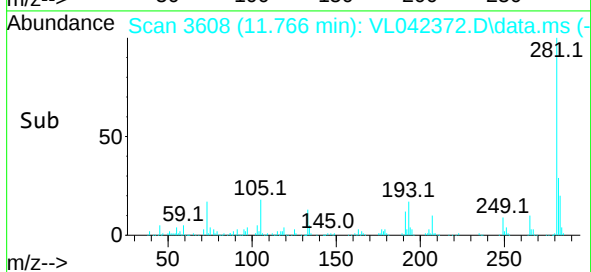
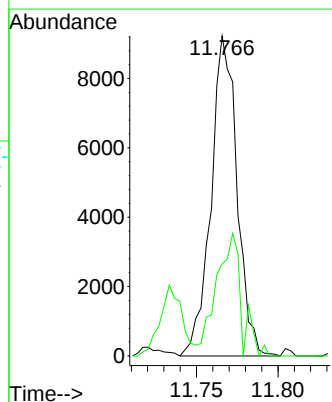
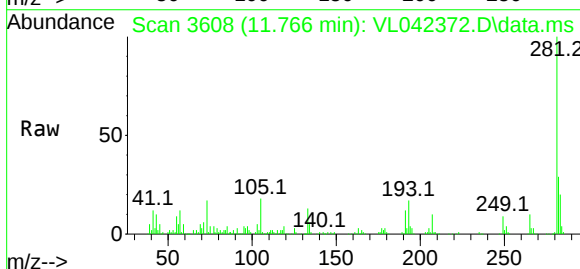
Manual Integrations  
APPROVED

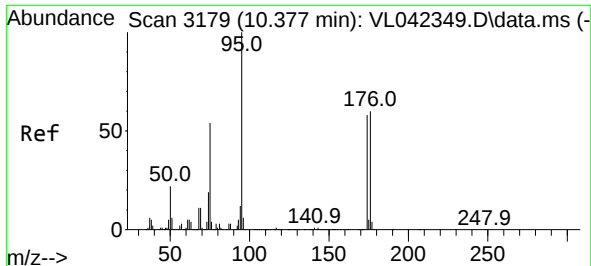
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#67  
sec-Butylbenzene  
Concen: 0.123 ppbv  
RT: 11.766 min Scan# 3608  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

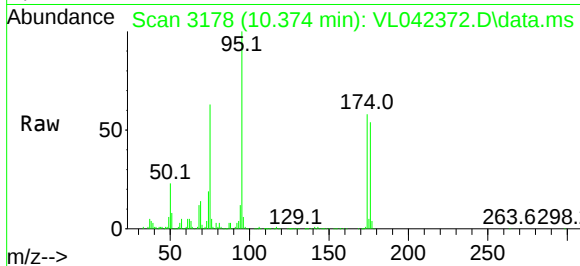
Tgt Ion:105 Resp: 10233  
Ion Ratio Lower Upper  
105 100  
134 36.2 14.6 21.8#





#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.137 ppbv  
RT: 10.374 min Scan# 3179  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

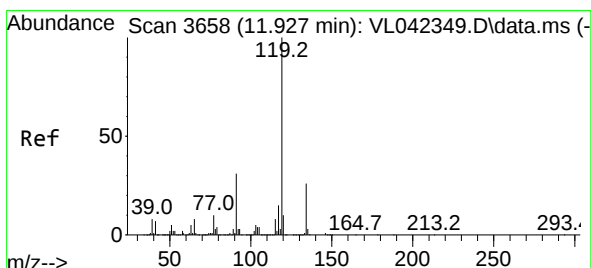
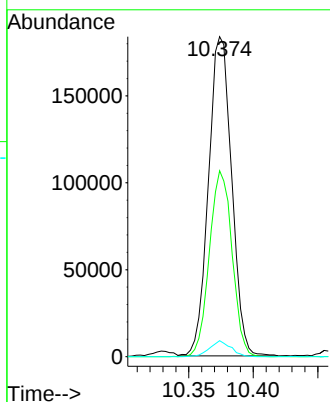
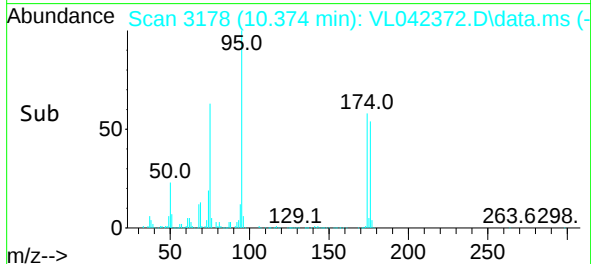
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B2-4-03312025



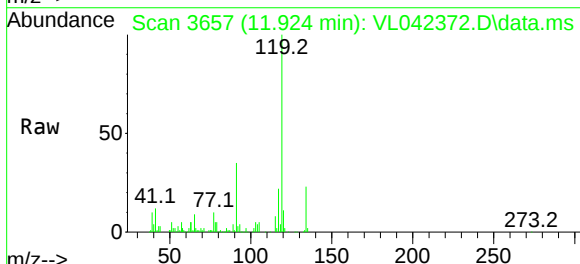
Tgt Ion: 95 Resp: 229240  
Ion Ratio Lower Upper  
95 100  
174 57.0 48.5 72.7  
175 4.6 3.7 5.5

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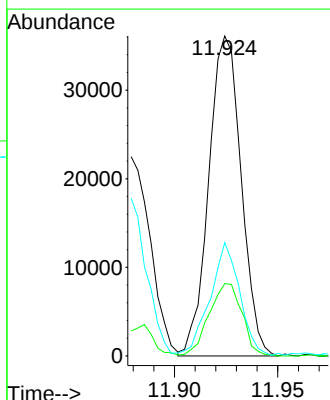
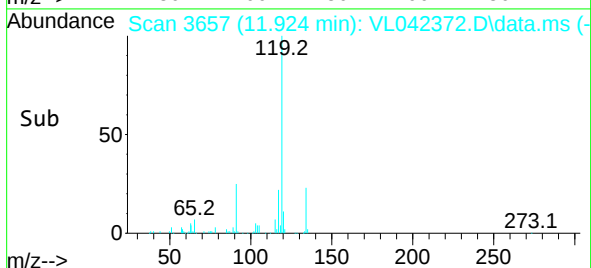
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025

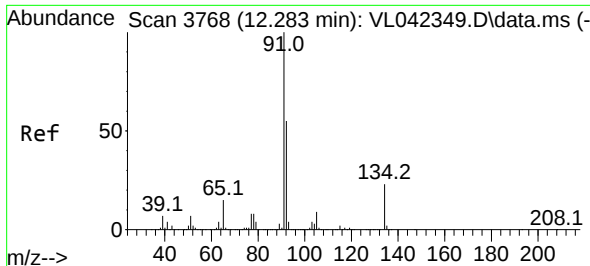


#69  
p-Isopropyltoluene  
Concen: 0.547 ppbv  
RT: 11.924 min Scan# 3657  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26



Tgt Ion:119 Resp: 39473  
Ion Ratio Lower Upper  
119 100  
134 23.0 20.0 30.0  
91 33.9 24.4 36.6





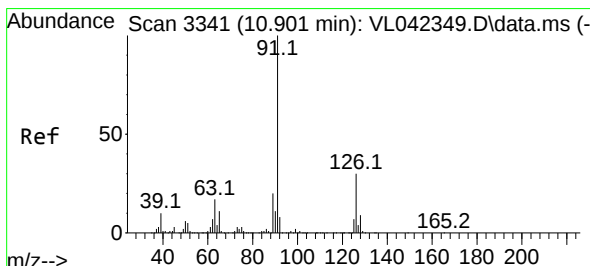
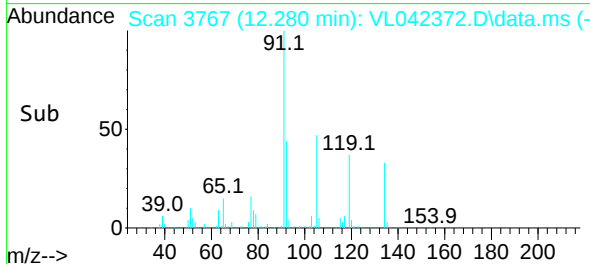
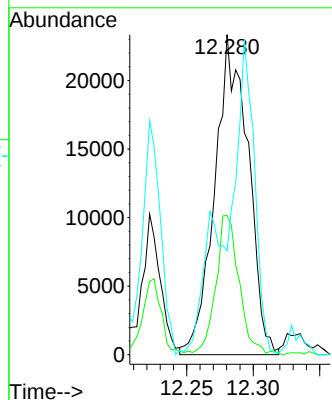
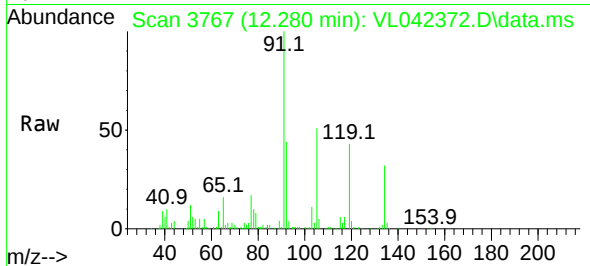
#70  
n-Butylbenzene  
Concen: 0.540 ppbv m  
RT: 12.280 min Scan# 3768  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

Instrument : MSVOA\_L  
ClientSampleId : IA-B2-4-03312025

Tgt Ion: 91 Resp: 40590  
Ion Ratio Lower Upper  
91 100  
92 30.5 44.2 66.4  
134 0.0 18.2 27.4

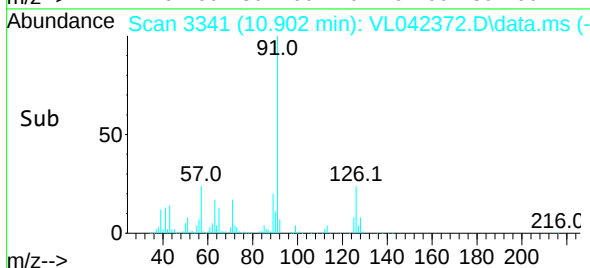
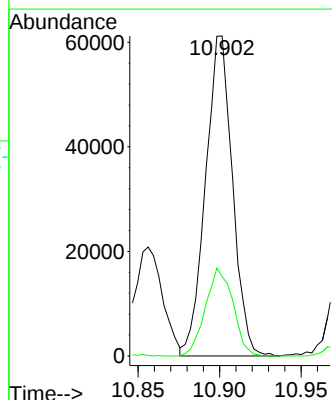
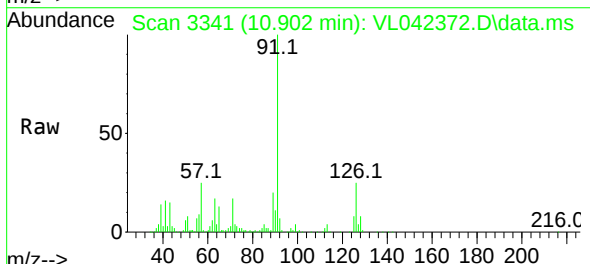
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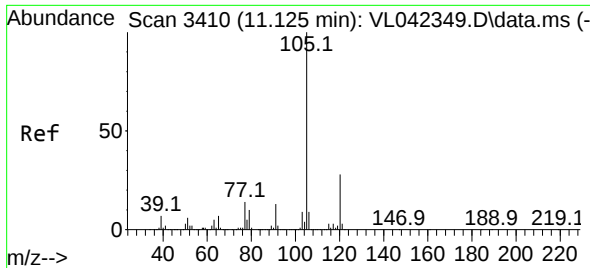
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#71  
2-Chlorotoluene  
Concen: 1.381 ppbv  
RT: 10.902 min Scan# 3341  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

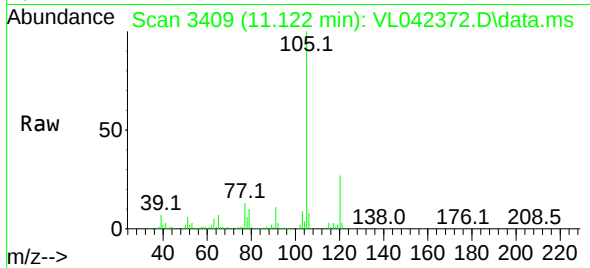
Tgt Ion: 91 Resp: 70326  
Ion Ratio Lower Upper  
91 100  
126 28.3 11.4 45.4





#72  
4-Ethyltoluene  
Concen: 2.714 ppbv  
RT: 11.122 min Scan# 3410  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

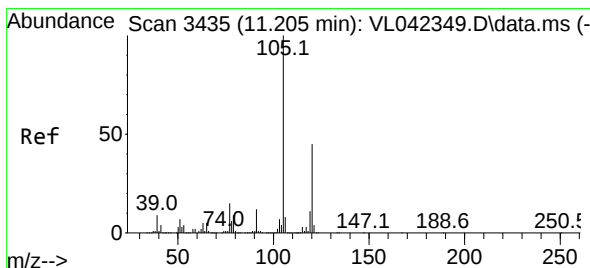
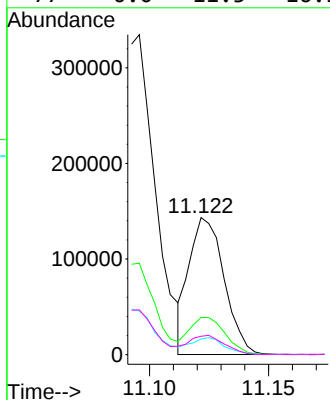
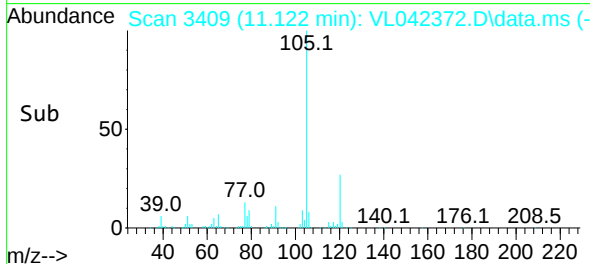
Instrument : MSVOA\_L  
ClientSampleId : IA-B2-4-03312025



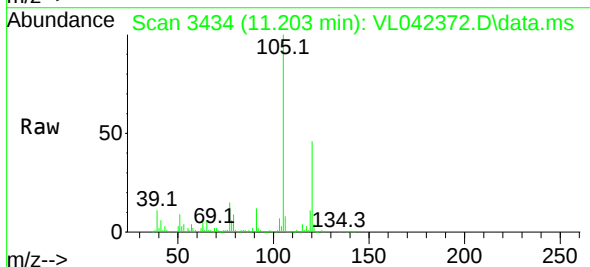
Tgt Ion:105 Resp: 146733  
Ion Ratio Lower Upper  
105 100  
120 0.0 23.2 34.8  
91 0.0 10.4 15.6  
77 0.0 11.3 16.9

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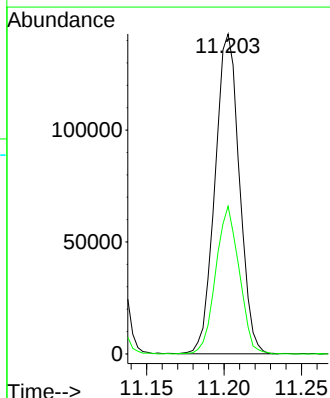
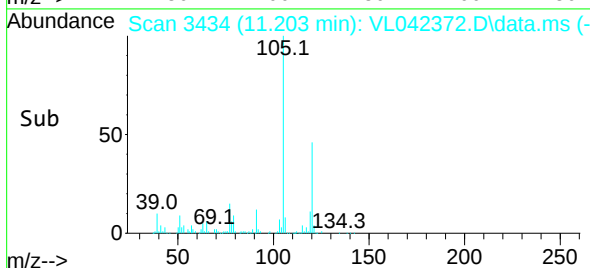
Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025

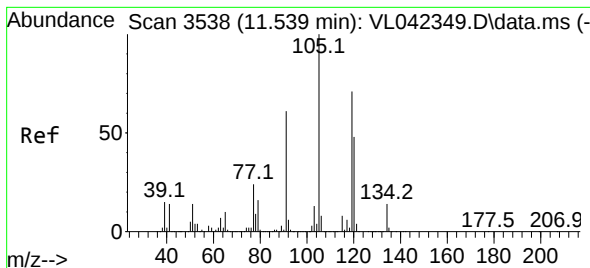


#73  
1,3,5-Trimethylbenzene  
Concen: 3.271 ppbv  
RT: 11.203 min Scan# 3434  
Delta R.T. -0.003 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26



Tgt Ion:105 Resp: 156177  
Ion Ratio Lower Upper  
105 100  
120 46.1 35.6 53.4





#74

1,2,4-Trimethylbenzene

Concen: 9.018 ppbv

RT: 11.536 min Scan# 3538

Delta R.T. -0.003 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Instrument :

MSVOA\_L

ClientSampleId :

IA-B2-4-03312025

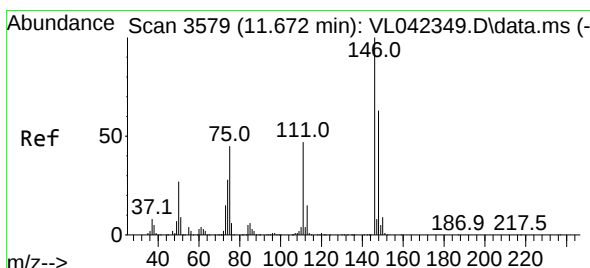
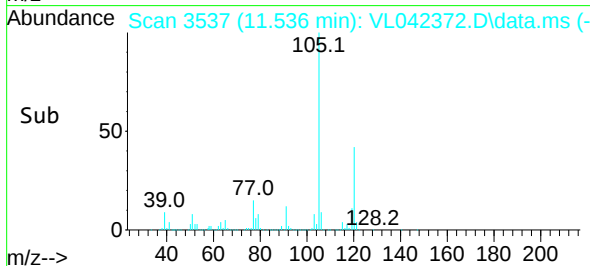
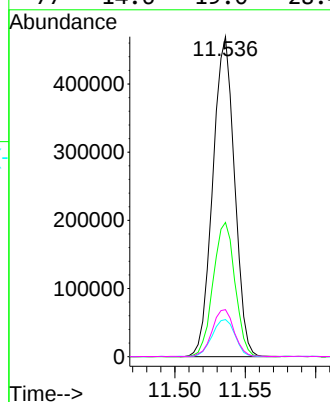
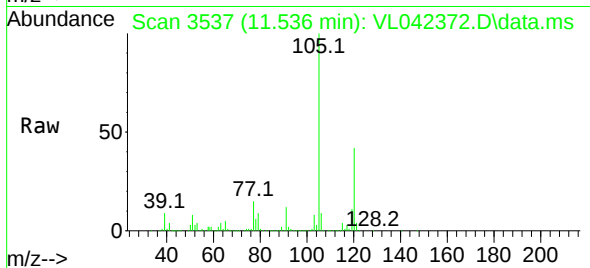
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 502862 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 42.0  | 38.1  | 57.1   |
| 91        | 11.6  | 48.8  | 73.2   |
| 77        | 14.6  | 19.0  | 28.4   |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#76

1,4-Dichlorobenzene

Concen: 0.362 ppbv

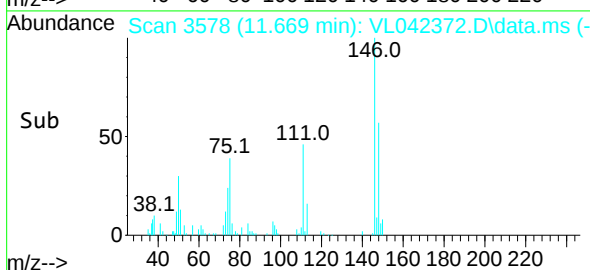
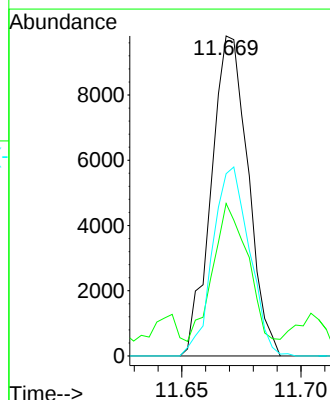
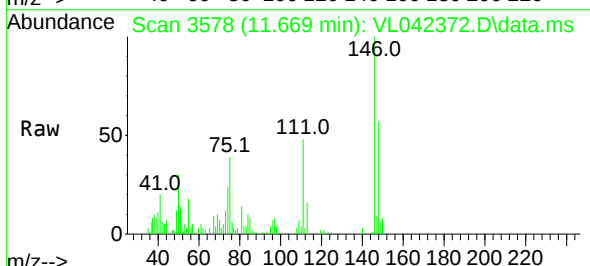
RT: 11.669 min Scan# 3578

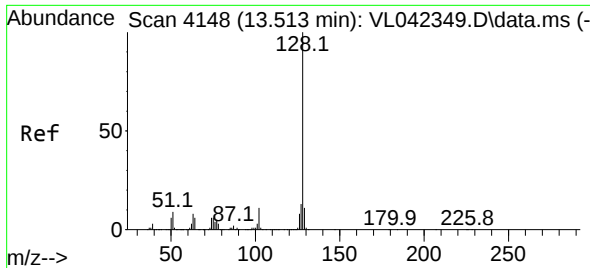
Delta R.T. -0.003 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

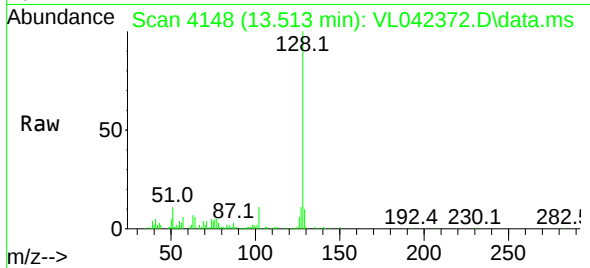
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 10548 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 73.6  | 24.2  | 72.6  |
| 148       | 58.9  | 32.1  | 96.5  |





#79  
Naphthalene  
Concen: 0.576 ppbv  
RT: 13.513 min Scan# 4148  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26

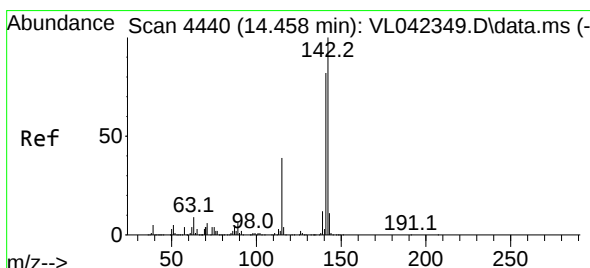
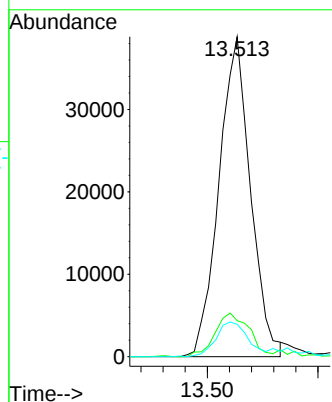
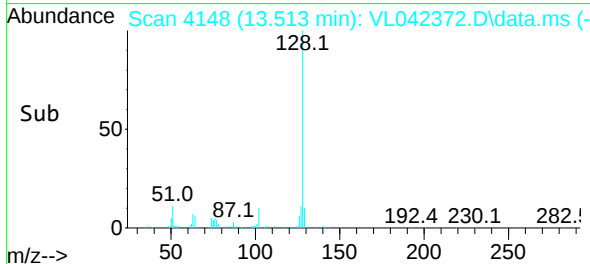
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-B2-4-03312025



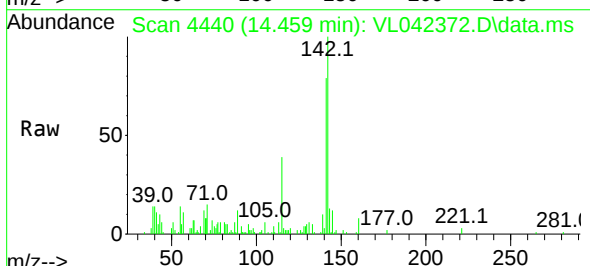
Tgt Ion:128 Resp: 3838  
Ion Ratio Lower Upper  
128 100  
127 11.3 10.6 15.8  
129 9.9 8.6 12.8

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



#80  
Naphthalene,2-methyl-  
Concen: 0.209 ppbv  
RT: 14.459 min Scan# 4440  
Delta R.T. 0.000 min  
Lab File: VL042372.D  
Acq: 17 Apr 2025 23:26



Tgt Ion:142 Resp: 7927  
Ion Ratio Lower Upper  
142 100  
141 82.5 66.8 100.2  
115 61.2 33.4 50.2#

