

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050224\  
 Data File : VL041198.D  
 Acq On : 2 May 2024 16:35  
 Operator : SY/MD  
 Sample : P2334-03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 BA-20-SS03-20240425

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024  
 Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 03 03:41:33 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL042924AIR.M

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

QLast Update : Fri May 03 03:34:47 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 5.192  | 49    | 855331   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 6.655  | 114   | 2182210  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 11.468 | 117   | 2018660  | 10.000   | ppbv   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 13.780 | 95    | 1548566  | 10.161   | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 101.600% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.729  | 85    | 42307    | 0.366    | ppbv   | 100      |
| 4) Chloromethane              | 2.812  | 50    | 81189    | 1.593    | ppbv   | 91       |
| 5) Vinyl Chloride             | 2.922  | 62    | 1932m    | 0.038    | ppbv   |          |
| 9) Propene                    | 2.697  | 41    | 73085    | 1.438    | ppbv # | 80       |
| 10) Heptane                   | 7.581  | 43    | 33344    | 0.271    | ppbv   | 100      |
| 11) Trichlorofluoromethane    | 3.562  | 101   | 31054    | 0.264    | ppbv   | 91       |
| 12) 1,1,2-Trichlorotrifluo... | 4.063  | 101   | 7199m    | 0.083    | ppbv   |          |
| 13) Ethanol                   | 3.234  | 45    | 202447   | 17.764   | ppbv   | 99       |
| 15) Acetone                   | 3.465  | 43    | 1052289  | 10.424   | ppbv   | 100      |
| 19) Isopropyl Alcohol         | 3.578  | 45    | 59454m   | 0.898    | ppbv   |          |
| 20) Methylene Chloride        | 3.931  | 84    | 1180829  | 33.639   | ppbv   | 96       |
| 26) Hexane                    | 5.214  | 57    | 1105812  | 12.298   | ppbv # | 41       |
| 27) Carbon Disulfide          | 4.121  | 76    | 37073    | 0.348    | ppbv # | 78       |
| 29) Chloroform                | 5.275  | 83    | 67289    | 0.542    | ppbv   | 92       |
| 31) cis-1,2-Dichloroethene    | 5.076  | 61    | 3645m    | 0.043    | ppbv   |          |
| 32) 1,1,1-Trichloroethane     | 6.005  | 97    | 111101   | 0.898    | ppbv   | 97       |
| 34) 2-Butanone                | 4.790  | 43    | 181818   | 1.637    | ppbv   | 99       |
| 35) Carbon Tetrachloride      | 6.494  | 117   | 40350    | 0.329    | ppbv   | 98       |
| 36) Benzene                   | 6.372  | 78    | 38545m   | 0.210    | ppbv   |          |
| 37) 1,2-Dichloroethane        | 5.812  | 62    | 11567m   | 0.121    | ppbv   |          |
| 38) Trichloroethene           | 7.295  | 130   | 2585900  | 37.892   | ppbv   | 99       |
| 41) Tetrahydrofuran           | 5.571  | 42    | 25593m   | 0.318    | ppbv   |          |
| 50) 4-Methyl-2-Pentanone      | 8.192  | 43    | 52886    | 0.265    | ppbv   | 95       |
| 52) Tetrachloroethene         | 10.616 | 164   | 42786m   | 0.665    | ppbv   |          |
| 53) Toluene                   | 9.221  | 91    | 184247   | 0.868    | ppbv   | 100      |
| 58) Ethyl Benzene             | 12.089 | 91    | 42719m   | 0.154    | ppbv   |          |
| 59) m/p-Xylene                | 12.343 | 91    | 84207m   | 0.362    | ppbv   |          |
| 60) o-Xylene                  | 13.066 | 91    | 37827m   | 0.173    | ppbv   |          |
| 69) p-Isopropyltoluene        | 17.005 | 119   | 27004m   | 0.080    | ppbv   |          |
| 73) 1,3,5-Trimethylbenzene    | 15.362 | 105   | 49776m   | 0.223    | ppbv   |          |
| 74) 1,2,4-Trimethylbenzene    | 16.108 | 105   | 88651    | 0.363    | ppbv # | 66       |
| 79) Naphthalene               | 21.387 | 128   | 533928   | 2.297    | ppbv   | 98       |
| -----                         |        |       |          |          |        |          |

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

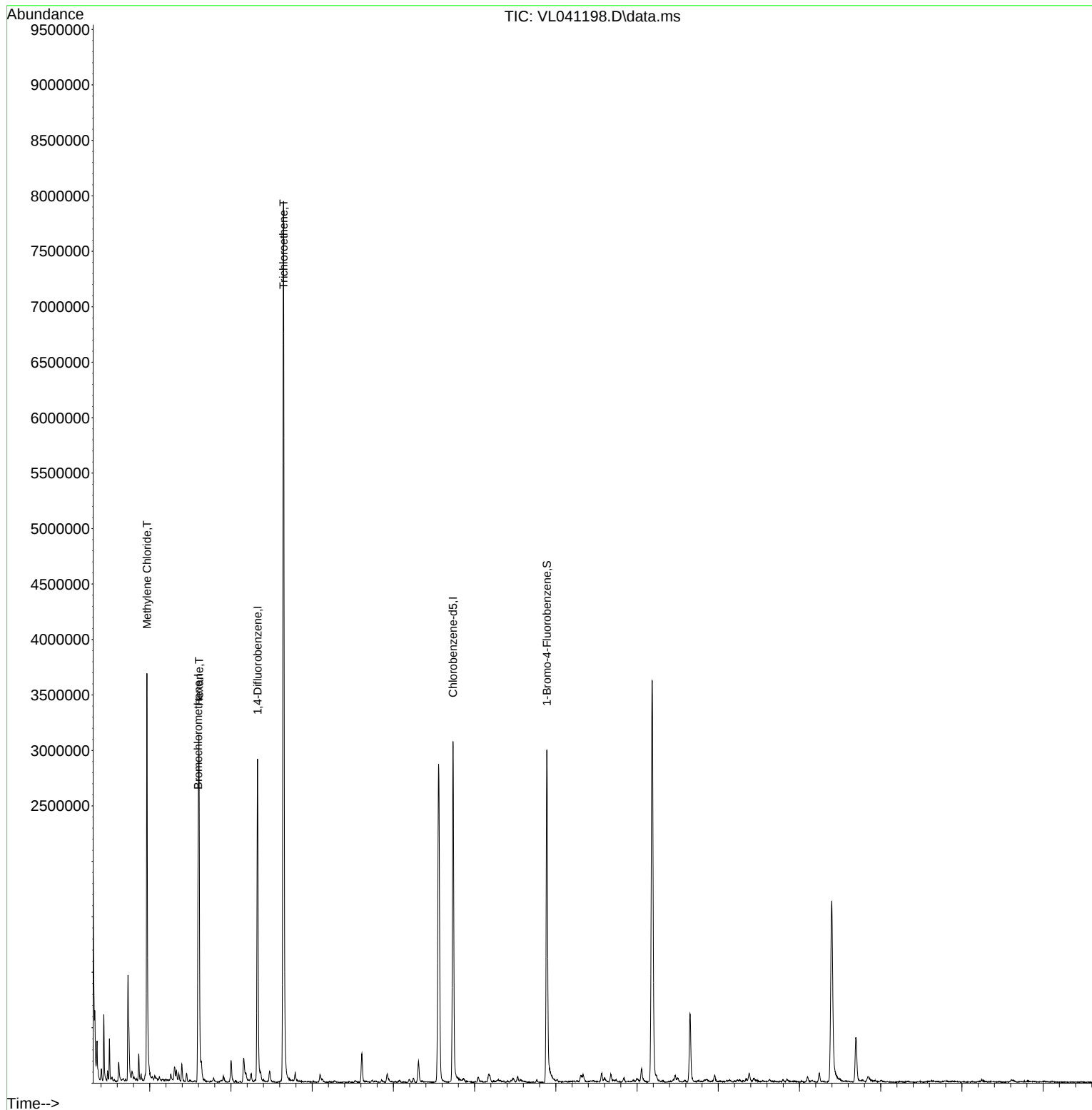
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050224\  
Data File : VL041198.D  
Acq On : 2 May 2024 16:35  
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Instrument :  
MSVOA\_L  
ClientSampleId :  
BA-20-SS03-20240425

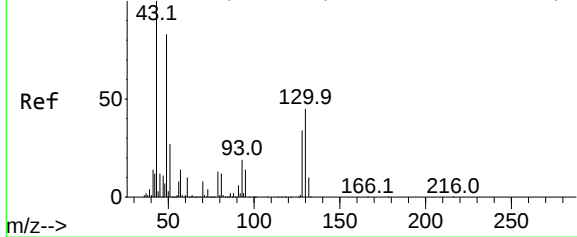
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024  
Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 03 03:41:33 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL042924AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Fri May 03 03:34:47 2024  
Response via : Initial Calibration



Abundance Scan 804 (5.189 min): VL041179.D\data.ms (-79



#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.192 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

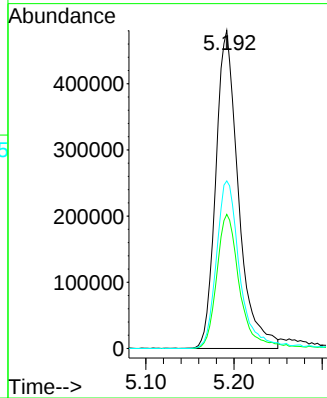
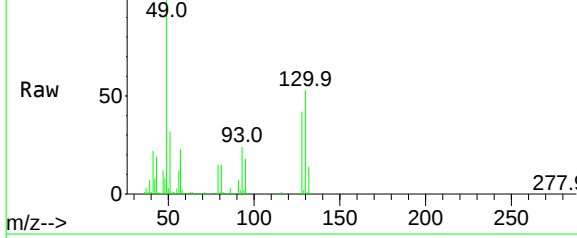
Instrument :  
MSVOA\_L  
ClientSampleId :  
BA-20-SS03-20240425

| Tgt Ion: | 49    | Resp: | 855331 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 128      | 43.9  | 21.5  | 64.5   |
| 130      | 55.6  | 27.2  | 81.6   |

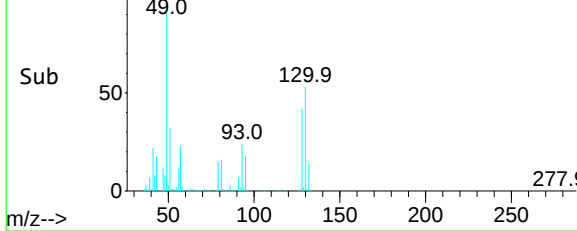
Manual Integrations  
APPROVED

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Supervised By :Mahesh Dadoda 05/07/2024

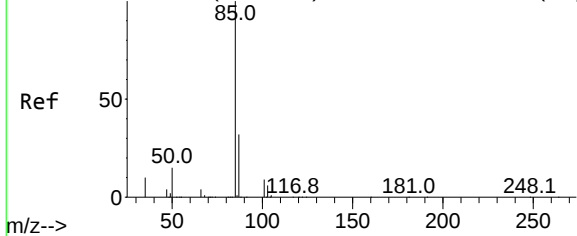
Abundance Scan 805 (5.192 min): VL041198.D\data.ms



Abundance Scan 805 (5.192 min): VL041198.D\data.ms (-65



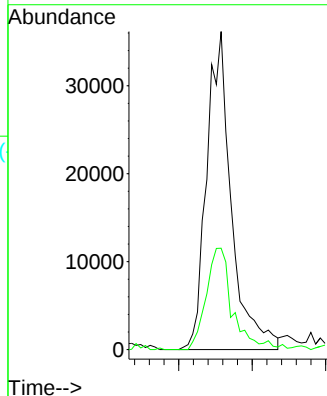
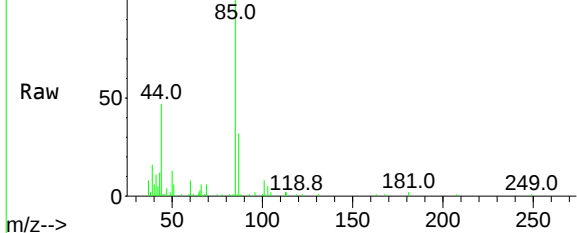
Abundance Scan 38 (2.726 min): VL041179.D\data.ms (-28)



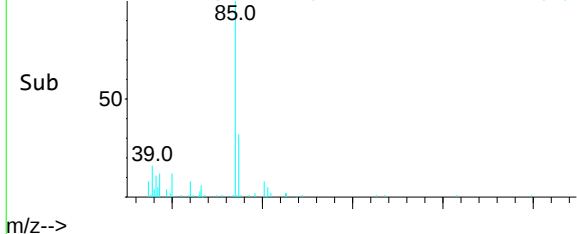
#2  
Dichlorodifluoromethane  
Concen: 0.366 ppbv  
RT: 2.729 min Scan# 39  
Delta R.T. 0.000 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

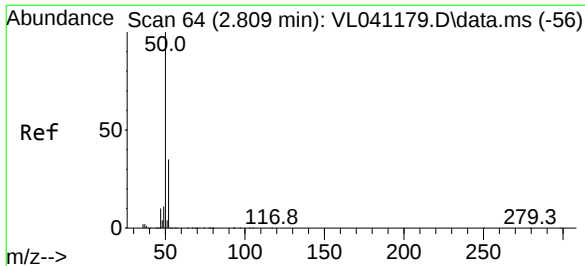
| Tgt Ion: | 85    | Resp: | 42307 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 31.9  | 25.7  | 38.5  |

Abundance Scan 39 (2.729 min): VL041198.D\data.ms



Abundance Scan 39 (2.729 min): VL041198.D\data.ms (-1)





#4

Chloromethane

Concen: 1.593 ppbv

RT: 2.812 min Scan# 65

Delta R.T. 0.000 min

Lab File: VL041198.D

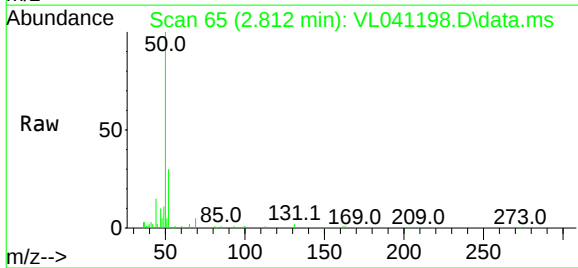
Acq: 2 May 2024 16:35

Instrument :

MSVOA\_L

ClientSampleId :

BA-20-SS03-20240425



Tgt Ion: 50 Resp: 81189

Ion Ratio Lower Upper

50 100

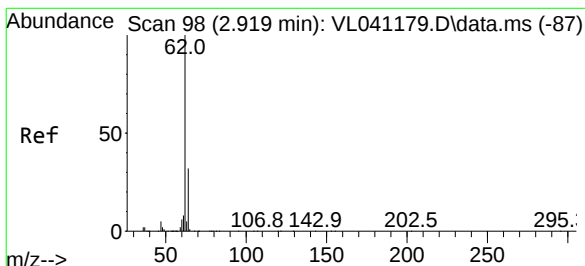
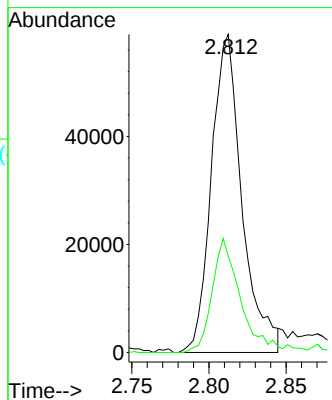
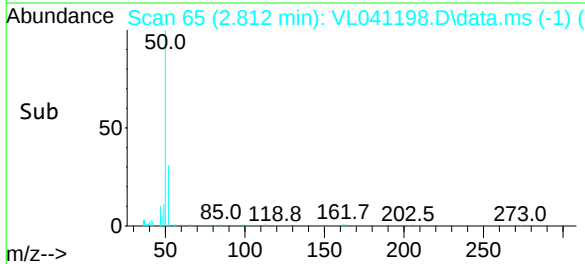
52 30.3 28.3 42.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#5

Vinyl Chloride

Concen: 0.038 ppbv m

RT: 2.922 min Scan# 99

Delta R.T. 0.003 min

Lab File: VL041198.D

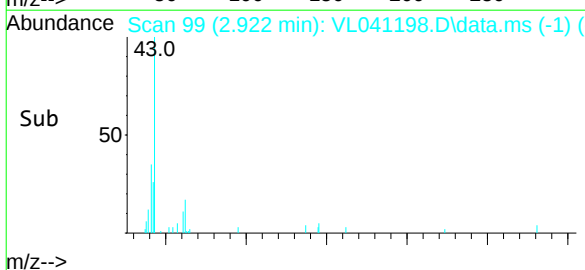
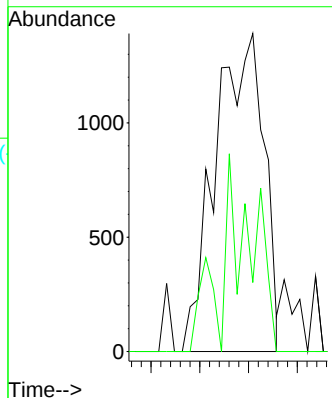
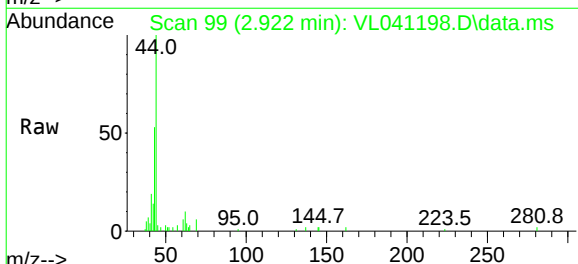
Acq: 2 May 2024 16:35

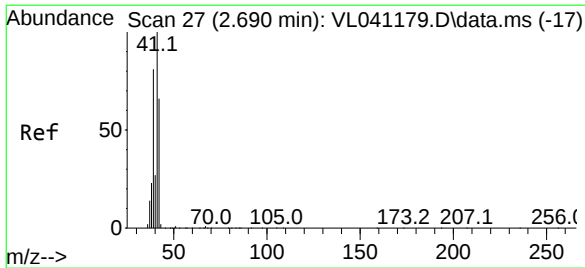
Tgt Ion: 62 Resp: 1932

Ion Ratio Lower Upper

62 100

64 21.7 25.7 38.5#





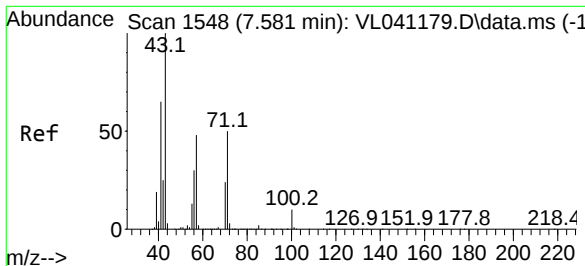
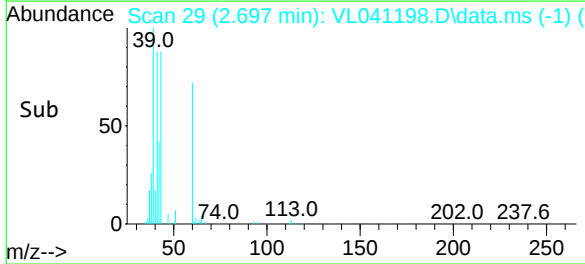
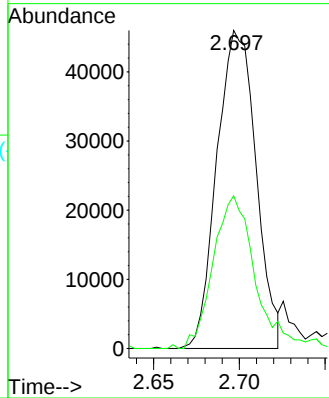
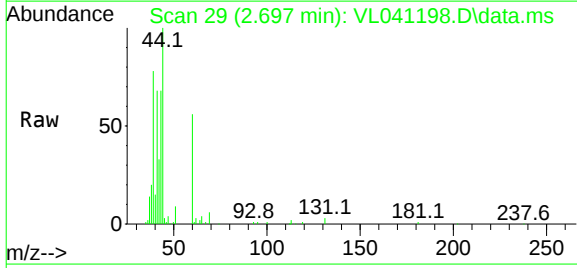
#9  
Propene  
Concen: 1.438 ppbv  
RT: 2.697 min Scan# 29  
Delta R.T. 0.003 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
BA-20-SS03-20240425

Tgt Ion: 41 Resp: 73085  
Ion Ratio Lower Upper  
41 100  
42 52.7 55.3 82.9

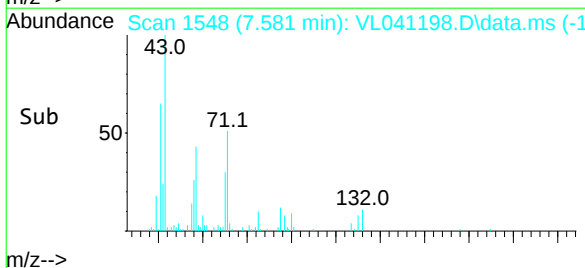
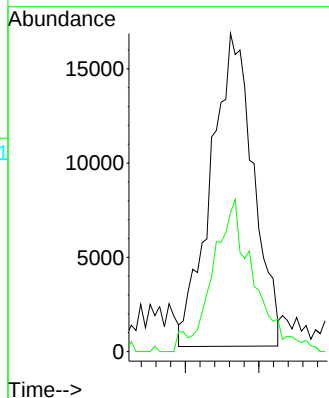
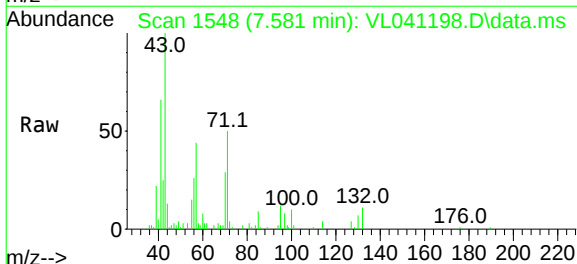
Manual Integrations  
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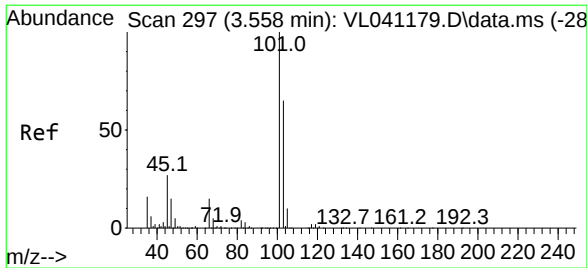
Reviewed By :Semsettin Yesilyurt 05/06/2024  
Supervised By :Mahesh Dadoda 05/07/2024



#10  
Heptane  
Concen: 0.271 ppbv  
RT: 7.581 min Scan# 1548  
Delta R.T. 0.000 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

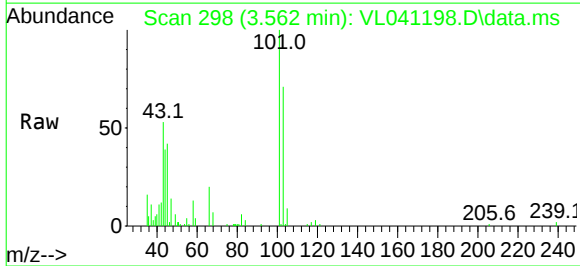
Tgt Ion: 43 Resp: 33344  
Ion Ratio Lower Upper  
43 100  
57 48.1 38.7 58.1





#11  
Trichlorofluoromethane  
Concen: 0.264 ppbv  
RT: 3.562 min Scan# 297  
Delta R.T. 0.003 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

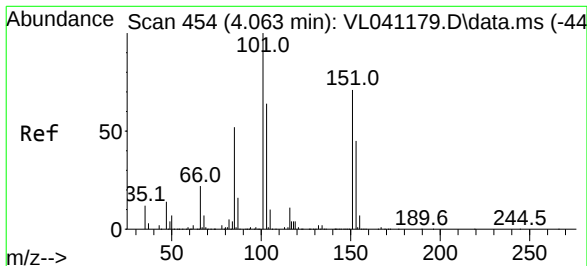
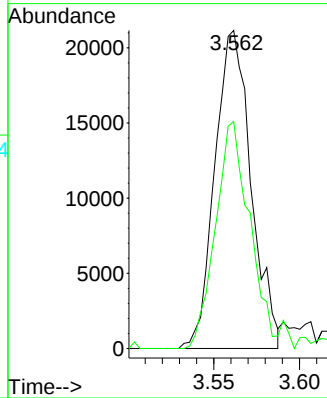
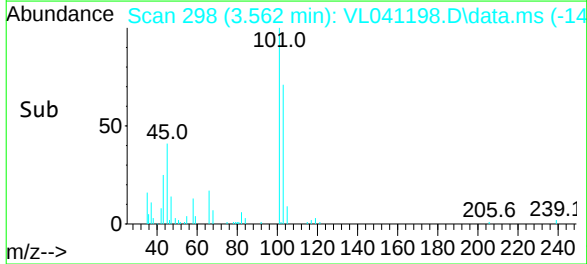
Instrument :  
MSVOA\_L  
ClientSampleId :  
BA-20-SS03-20240425



Tgt Ion:101 Resp: 31054  
Ion Ratio Lower Upper  
101 100  
103 71.3 51.6 77.4

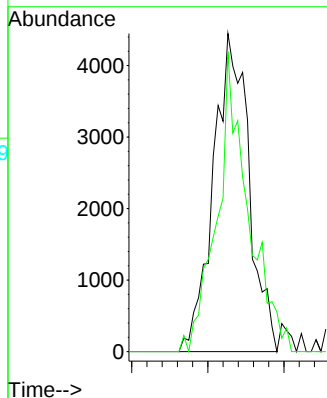
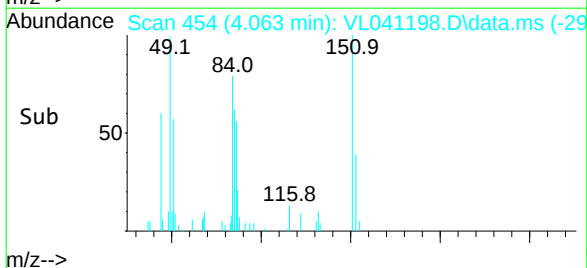
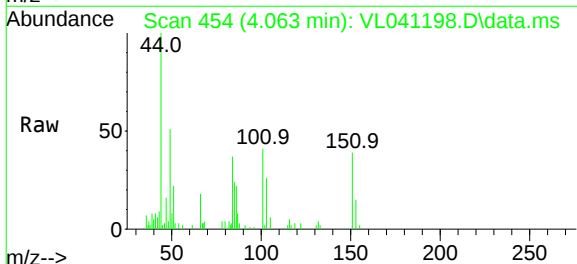
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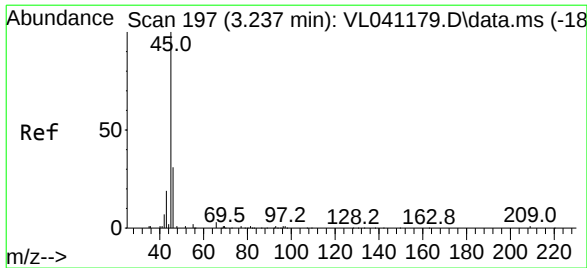
Reviewed By :Semsettin Yesilyurt 05/06/2024  
Supervised By :Mahesh Dadoda 05/07/2024



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.083 ppbv m  
RT: 4.063 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

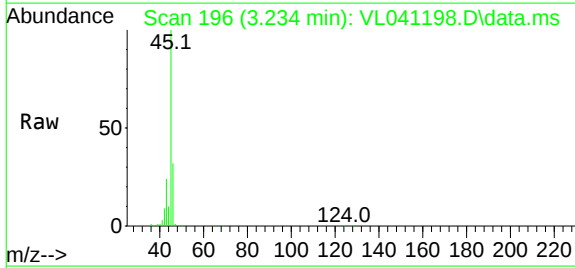
Tgt Ion:101 Resp: 7199  
Ion Ratio Lower Upper  
101 100  
151 82.5 56.8 85.2





#13  
Ethanol  
Concen: 17.764 ppbv  
RT: 3.234 min Scan# 197  
Delta R.T. -0.003 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

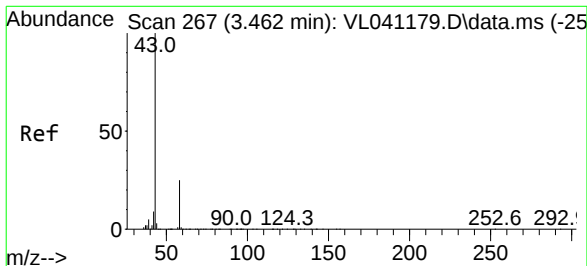
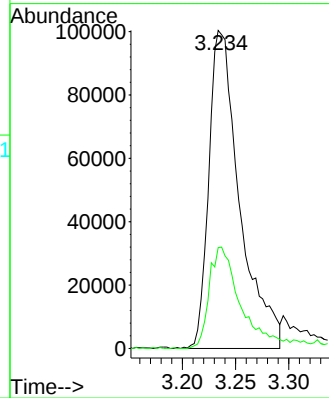
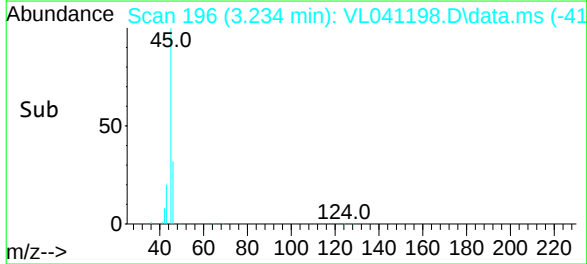
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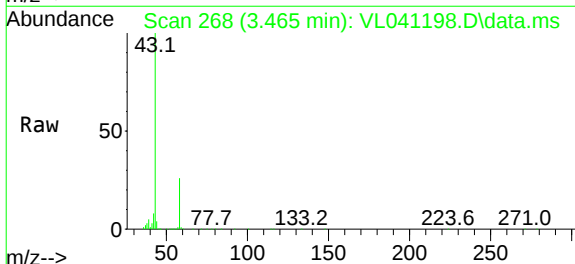
Tgt Ion: 45 Resp: 202447  
Ion Ratio Lower Upper  
45 100  
46 36.3 14.8 59.0

Manual Integrations  
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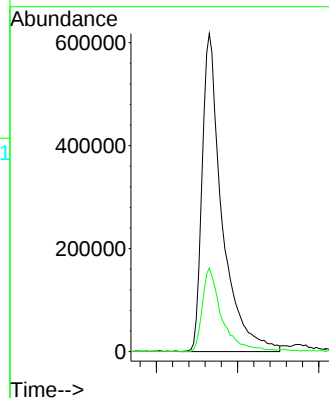
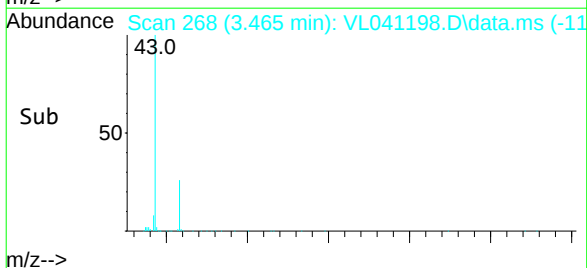
Reviewed By :Semsettin Yesilyurt 05/06/2024  
Supervised By :Mahesh Dadoda 05/07/2024

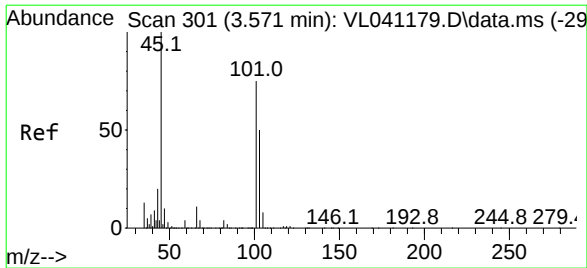


#15  
Acetone  
Concen: 10.424 ppbv  
RT: 3.465 min Scan# 268  
Delta R.T. 0.000 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35



Tgt Ion: 43 Resp: 1052289  
Ion Ratio Lower Upper  
43 100  
58 26.6 21.4 32.0





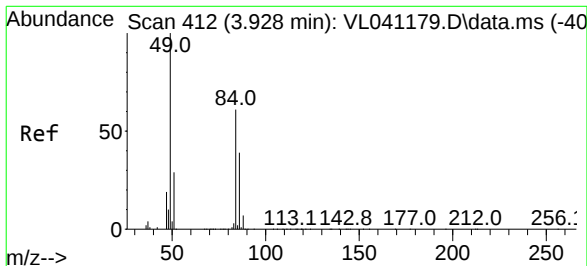
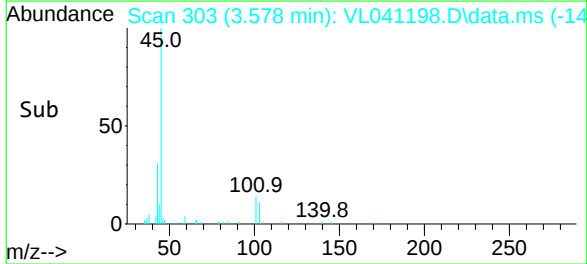
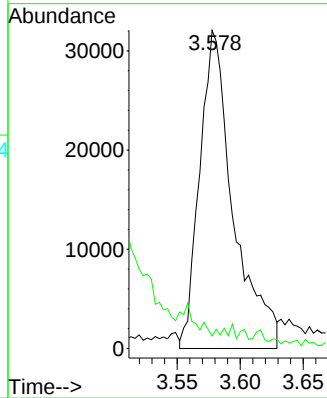
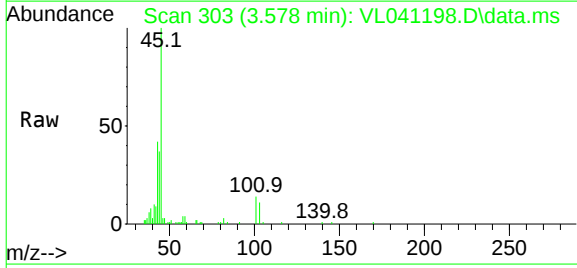
#19  
Isopropyl Alcohol  
Concen: 0.898 ppbv m  
RT: 3.578 min Scan# 301  
Delta R.T. 0.007 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

Instrument : MSVOA\_L  
ClientSampleId : BA-20-SS03-20240425

Tgt Ion: 45 Resp: 59454  
Ion Ratio Lower Upper  
45 100  
58 0.0 26.8 40.2#

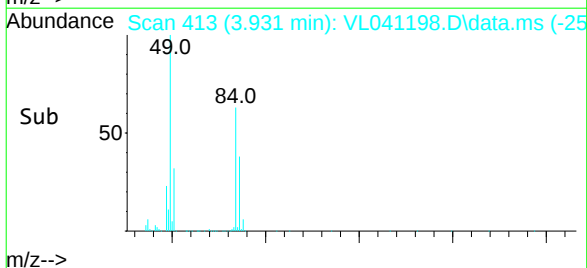
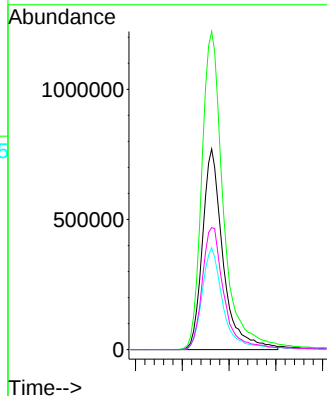
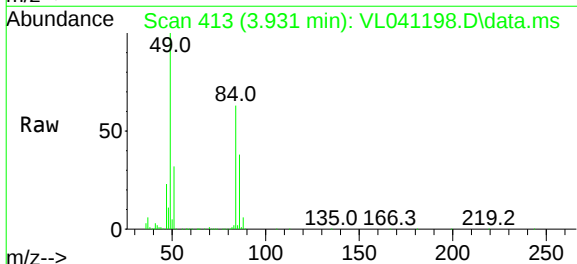
Manual Integrations  
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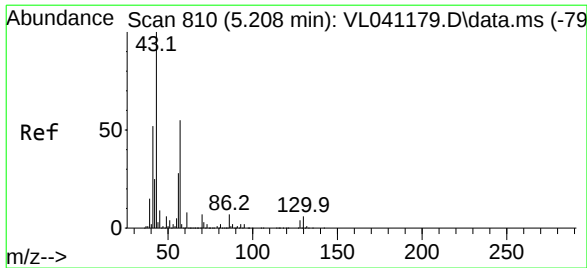
Reviewed By :Semsettin Yesilyurt 05/06/2024  
Supervised By :Mahesh Dadoda 05/07/2024



#20  
Methylene Chloride  
Concen: 33.639 ppbv  
RT: 3.931 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

Tgt Ion: 84 Resp: 1180829  
Ion Ratio Lower Upper  
84 100  
49 158.4 130.4 195.6  
51 50.7 38.0 57.0  
86 60.8 50.3 75.5





#26

Hexane

Concen: 12.298 ppbv

RT: 5.214 min Scan# 810

Delta R.T. 0.003 min

Lab File: VL041198.D

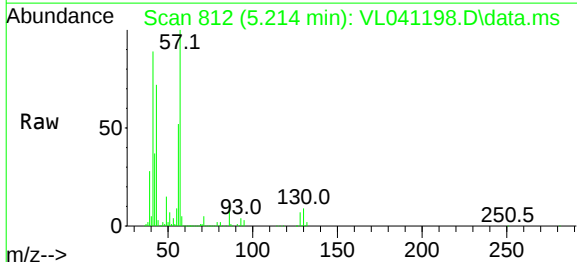
Acq: 2 May 2024 16:35

Instrument :

MSVOA\_L

ClientSampleId :

BA-20-SS03-20240425



Tgt Ion: 57 Resp: 1105812

Ion Ratio Lower Upper

57 100

41 93.1 75.8 113.8

43 75.0 187.0 280.4#

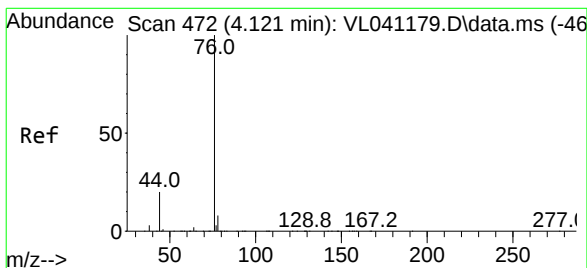
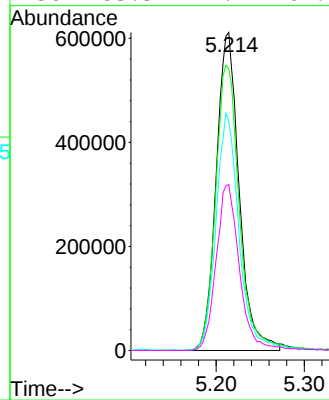
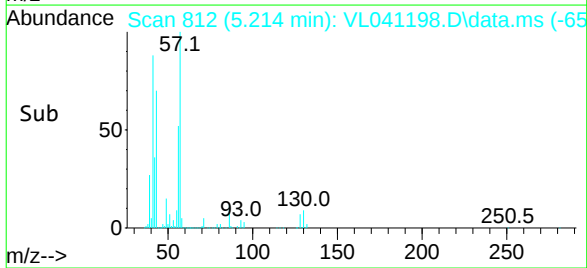
56 53.3 42.7 64.1

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#27

Carbon Disulfide

Concen: 0.348 ppbv

RT: 4.121 min Scan# 472

Delta R.T. 0.000 min

Lab File: VL041198.D

Acq: 2 May 2024 16:35

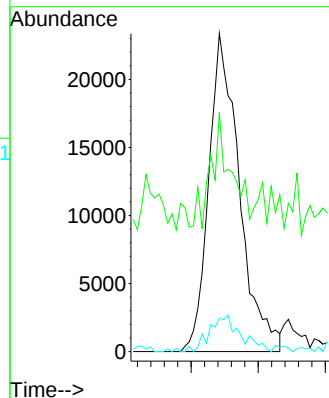
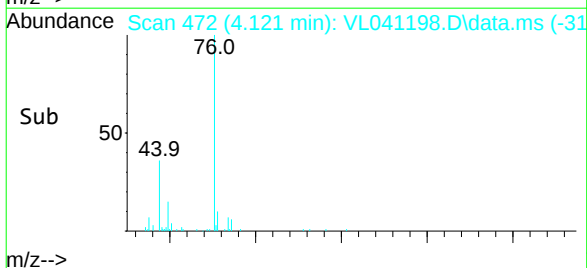
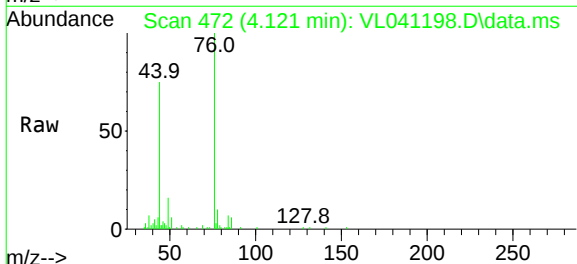
Tgt Ion: 76 Resp: 37073

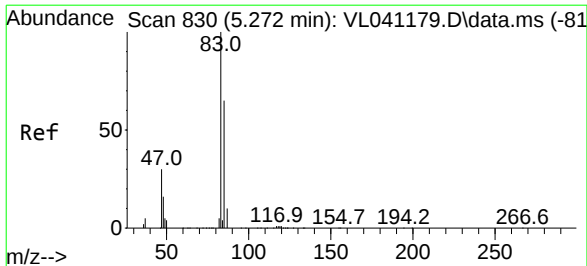
Ion Ratio Lower Upper

76 100

44 33.8 16.3 24.5#

78 11.5 7.3 10.9#





#29

Chloroform

Concen: 0.542 ppbv

RT: 5.275 min Scan# 831

Delta R.T. 0.003 min

Lab File: VL041198.D

Acq: 2 May 2024 16:35

Instrument :

MSVOA\_L

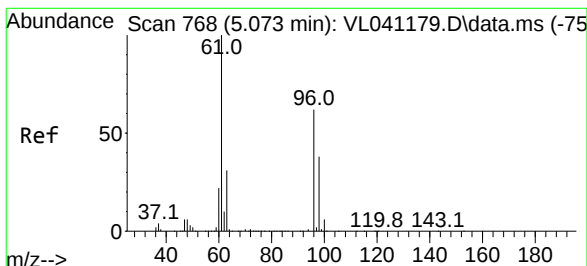
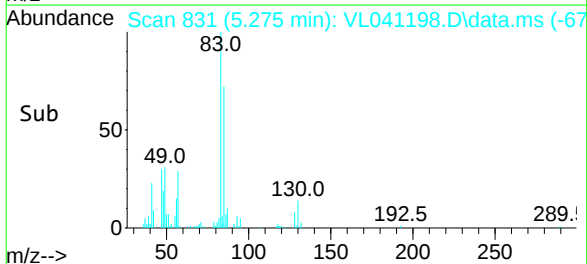
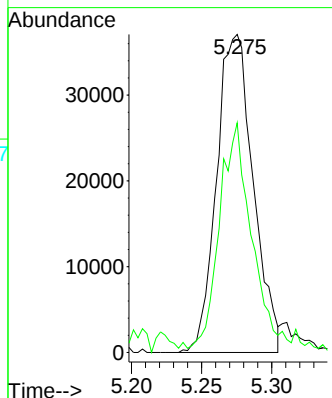
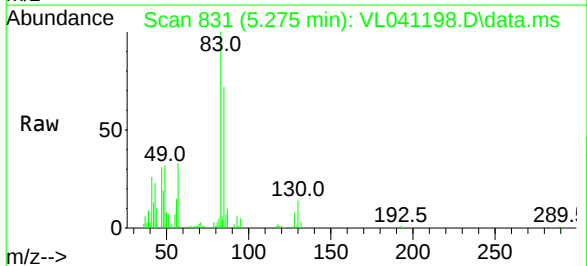
ClientSampleId :

BA-20-SS03-20240425

Tgt Ion: 83 Resp: 67289  
 Ion Ratio Lower Upper  
 83 100  
 85 70.9 51.7 77.5

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Reviewed By :Semsettin Yesilyurt 05/06/2024  
 Supervised By :Mahesh Dadoda 05/07/2024



#31

cis-1,2-Dichloroethene

Concen: 0.043 ppbv m

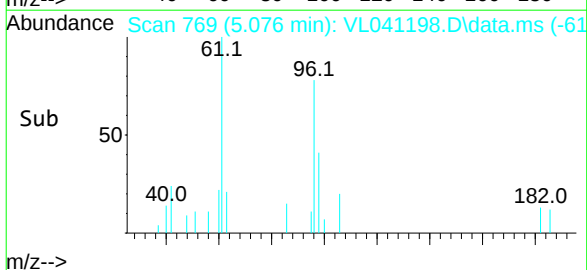
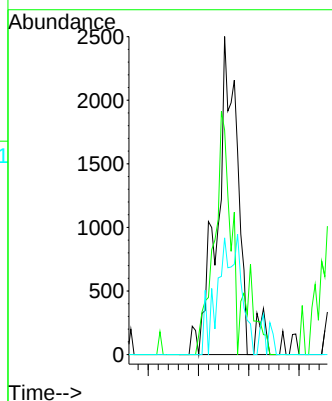
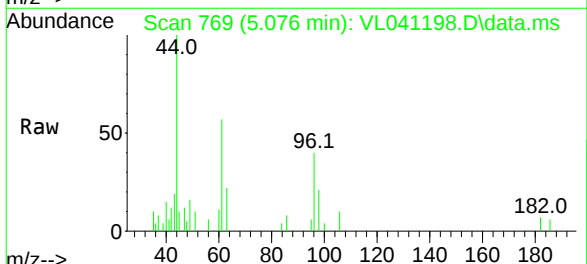
RT: 5.076 min Scan# 769

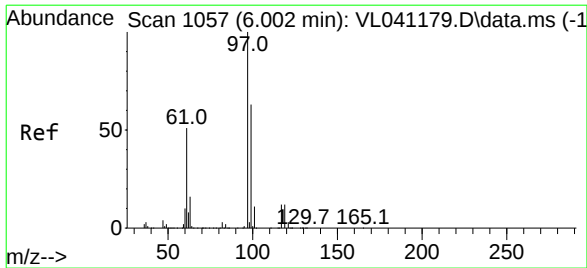
Delta R.T. 0.000 min

Lab File: VL041198.D

Acq: 2 May 2024 16:35

Tgt Ion: 61 Resp: 3645  
 Ion Ratio Lower Upper  
 61 100  
 96 70.6 49.8 74.6  
 98 36.7 30.0 45.0





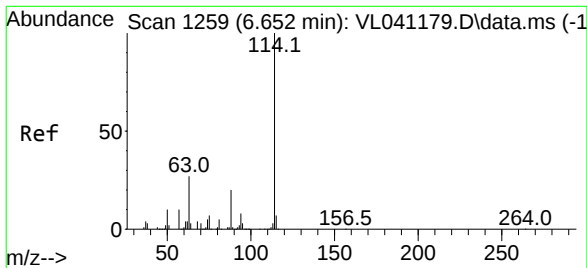
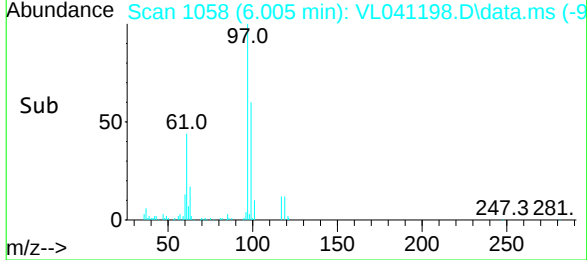
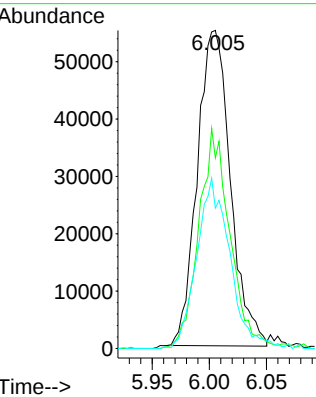
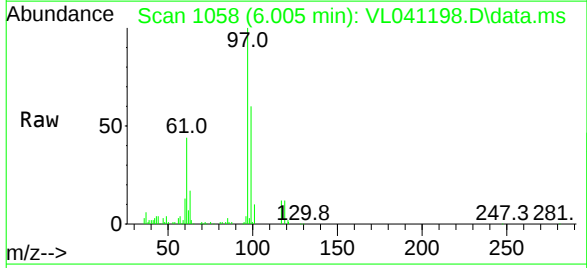
#32  
 1,1,1-Trichloroethane  
 Concen: 0.898 ppbv  
 RT: 6.005 min Scan# 1057  
 Delta R.T. 0.003 min  
 Lab File: VL041198.D  
 Acq: 2 May 2024 16:35

Instrument : MSVOA\_L  
 ClientSampleId : BA-20-SS03-20240425

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 111101 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 66.2  | 51.7  | 77.5   |
| 61       | 54.1  | 41.1  | 61.7   |

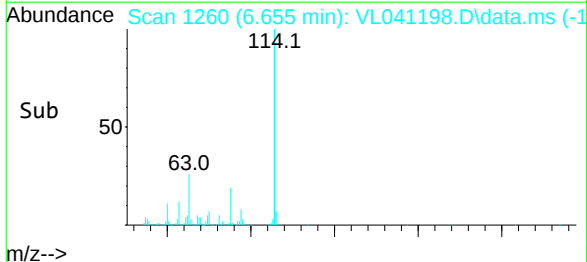
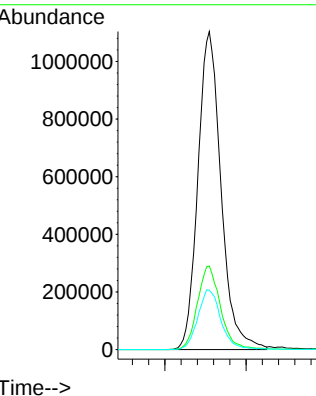
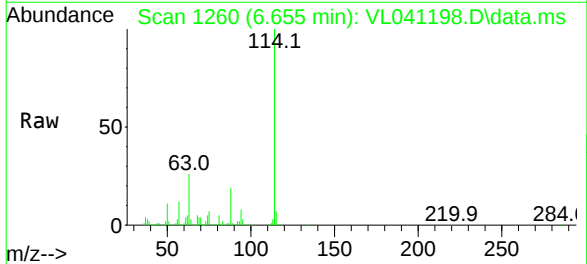
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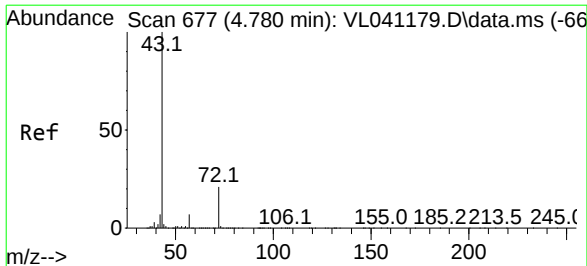
Reviewed By :Semsettin Yesilyurt 05/06/2024  
 Supervised By :Mahesh Dadoda 05/07/2024



#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 6.655 min Scan# 1260  
 Delta R.T. 0.003 min  
 Lab File: VL041198.D  
 Acq: 2 May 2024 16:35

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 114   | Resp: | 2182210 |
| Ion      | Ratio | Lower | Upper   |
| 114      | 100   |       |         |
| 63       | 26.3  | 21.8  | 32.6    |
| 88       | 19.0  | 15.2  | 22.8    |





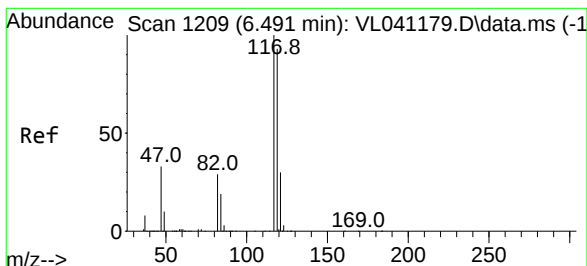
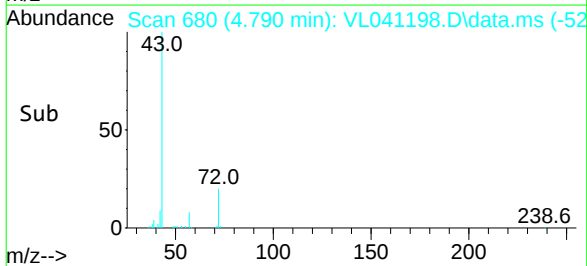
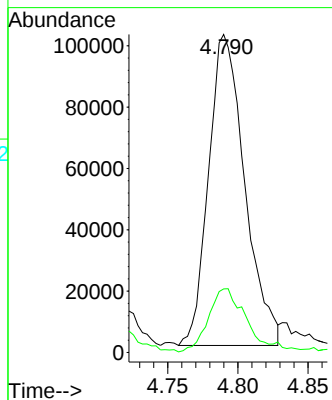
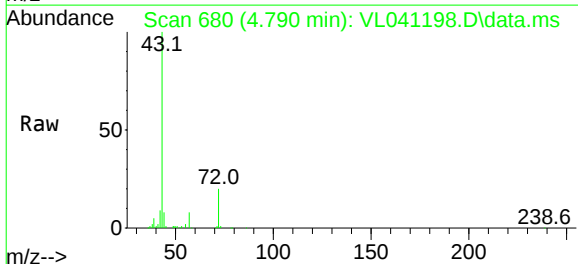
#34  
2-Butanone  
Concen: 1.637 ppbv  
RT: 4.790 min Scan# 68  
Delta R.T. 0.006 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
BA-20-SS03-20240425

Tgt Ion: 43 Resp: 181818  
Ion Ratio Lower Upper  
43 100  
72 22.0 17.3 25.9

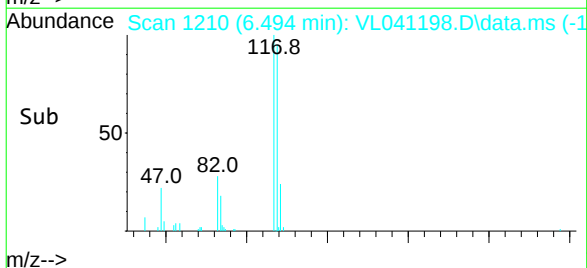
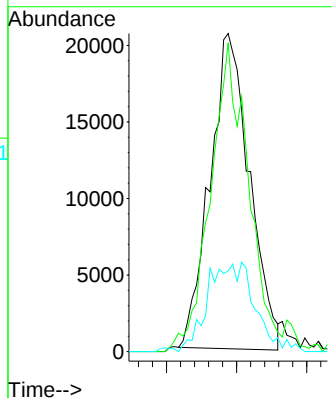
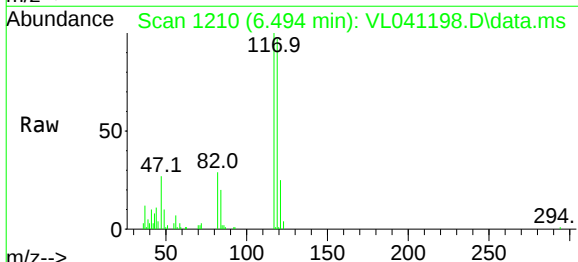
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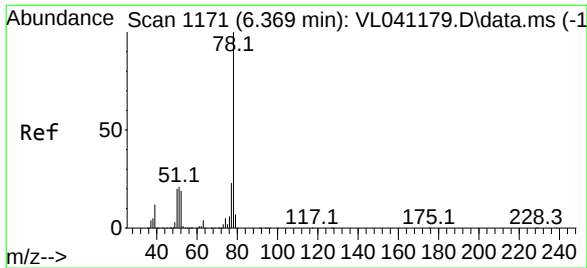
Reviewed By :Semsettin Yesilyurt 05/06/2024  
Supervised By :Mahesh Dadoda 05/07/2024



#35  
Carbon Tetrachloride  
Concen: 0.329 ppbv  
RT: 6.494 min Scan# 1210  
Delta R.T. 0.003 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

Tgt Ion:117 Resp: 40350  
Ion Ratio Lower Upper  
117 100  
119 92.5 74.3 111.5  
121 25.7 23.8 35.8





#36

Benzene

Concen: 0.210 ppbv m

RT: 6.372 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041198.D

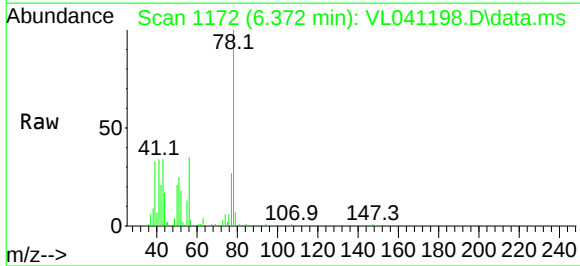
Acq: 2 May 2024 16:35

Instrument :

MSVOA\_L

ClientSampleId :

BA-20-SS03-20240425



Tgt Ion: 78 Resp: 38545

Ion Ratio Lower Upper

78 100

77 27.4 18.3 27.5

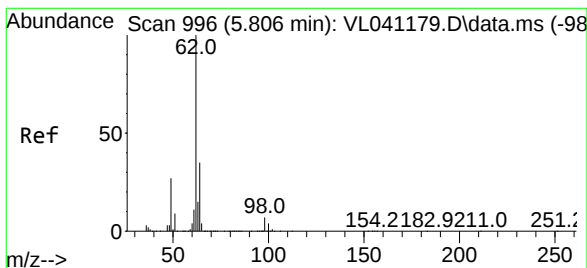
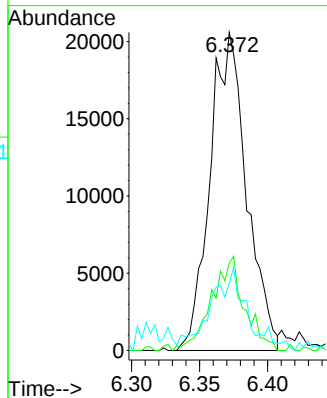
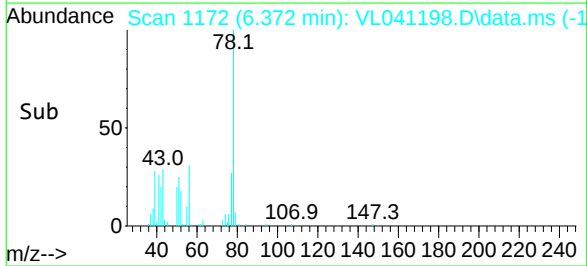
50 21.1 15.9 23.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#37

1,2-Dichloroethane

Concen: 0.121 ppbv m

RT: 5.812 min Scan# 998

Delta R.T. 0.006 min

Lab File: VL041198.D

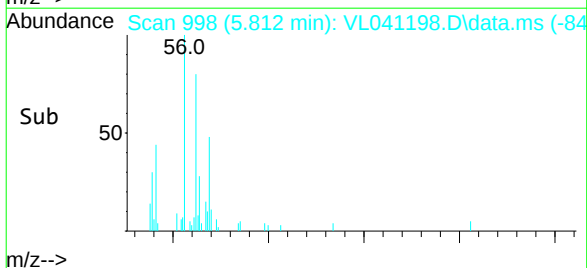
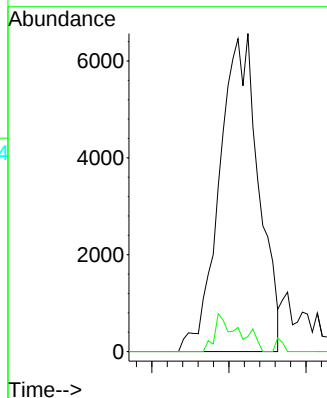
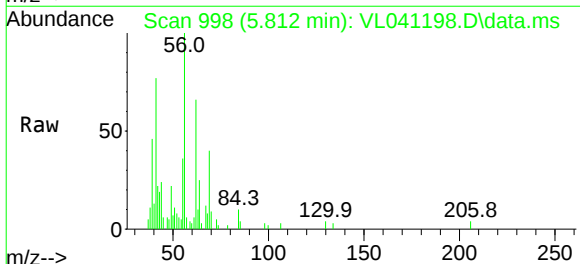
Acq: 2 May 2024 16:35

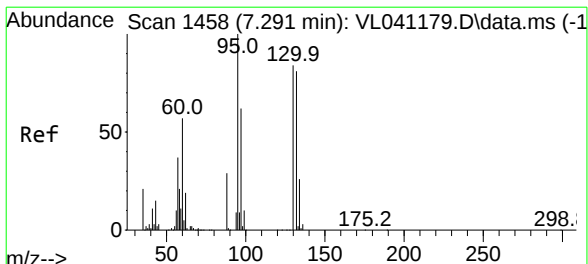
Tgt Ion: 62 Resp: 11567

Ion Ratio Lower Upper

62 100

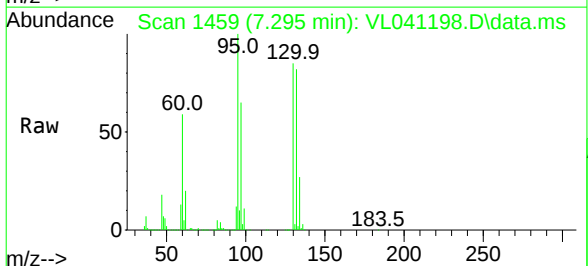
98 0.0 5.0 7.4#





#38  
 Trichloroethene  
 Concen: 37.892 ppbv  
 RT: 7.295 min Scan# 1458  
 Delta R.T. 0.006 min  
 Lab File: VL041198.D  
 Acq: 2 May 2024 16:35

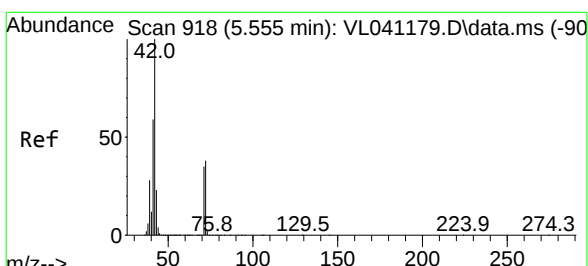
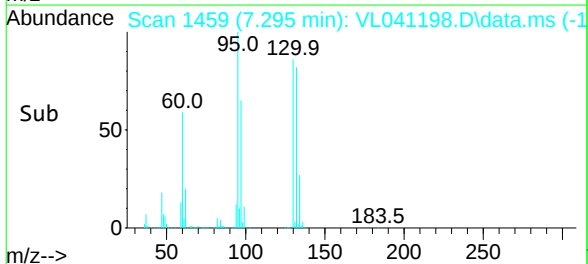
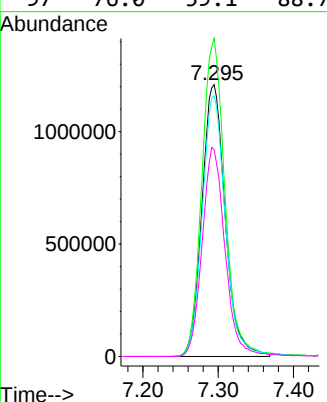
Instrument : MSVOA\_L  
 ClientSampleId : BA-20-SS03-20240425



Tgt Ion: 130 Resp: 2585900

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 117.0 | 95.0  | 142.6 |
| 132 | 95.9  | 77.0  | 115.4 |
| 97  | 76.0  | 59.1  | 88.7  |

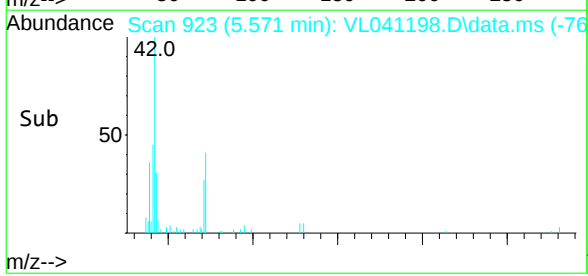
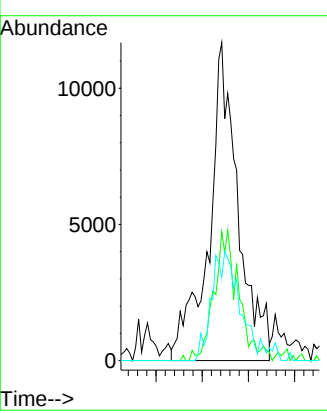
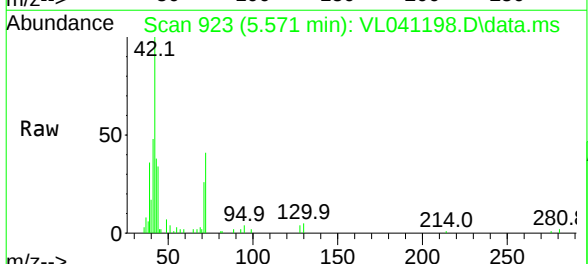
Manual Integrations  
**APPROVED**  
 Reviewed By :Semsettin Yesilyurt 05/06/2024  
 Supervised By :Mahesh Dadoda 05/07/2024

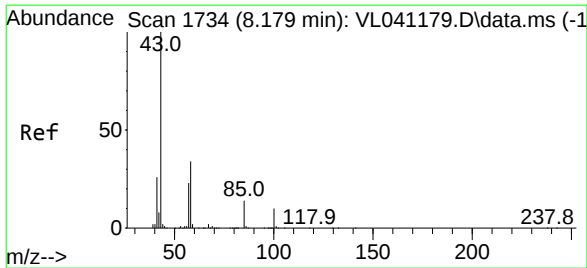


#41  
 Tetrahydrofuran  
 Concen: 0.318 ppbv m  
 RT: 5.571 min Scan# 923  
 Delta R.T. 0.019 min  
 Lab File: VL041198.D  
 Acq: 2 May 2024 16:35

Tgt Ion: 42 Resp: 25593

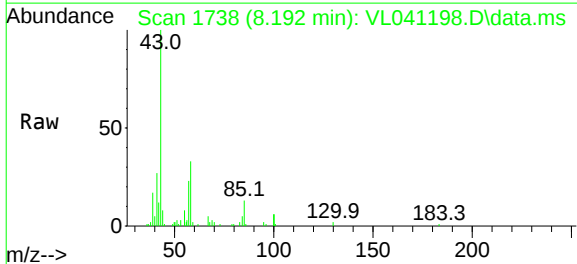
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 0.0   | 29.4  | 44.0# |
| 71  | 0.0   | 29.1  | 43.7# |





#50  
4-Methyl-2-Pentanone  
Concen: 0.265 ppbv  
RT: 8.192 min Scan# 1734  
Delta R.T. 0.013 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

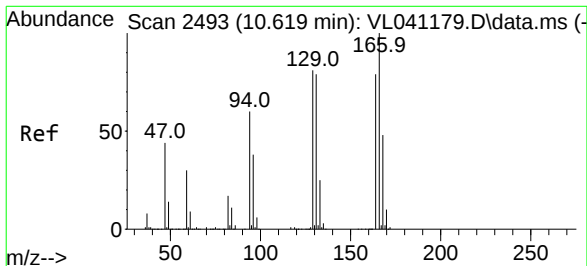
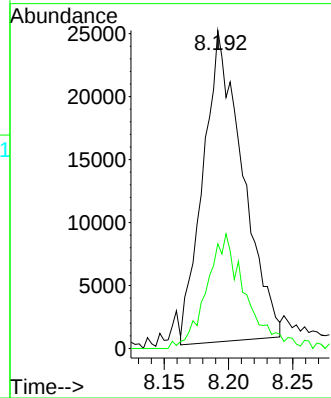
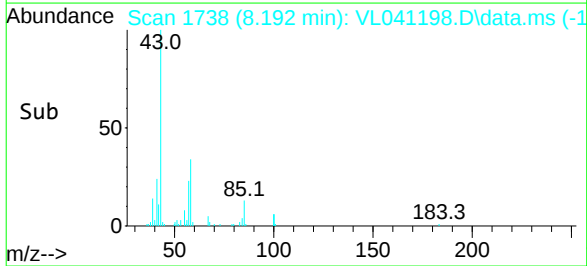
Instrument :  
MSVOA\_L  
ClientSampleId :  
BA-20-SS03-20240425



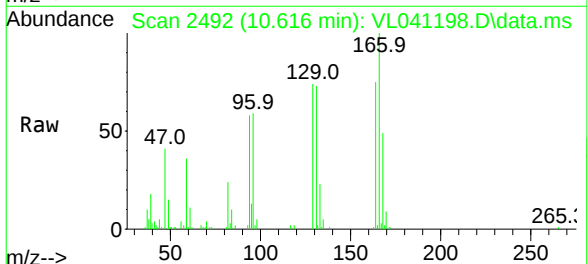
Tgt Ion: 43 Resp: 52886  
Ion Ratio Lower Upper  
43 100  
58 37.2 27.7 41.5

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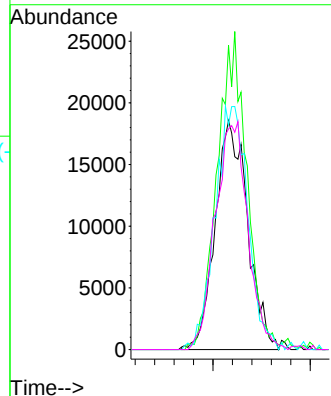
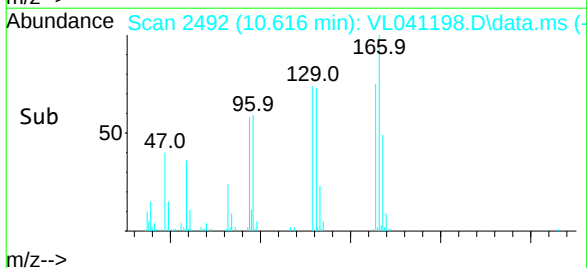
Reviewed By :Semsettin Yesilyurt 05/06/2024  
Supervised By :Mahesh Dadoda 05/07/2024

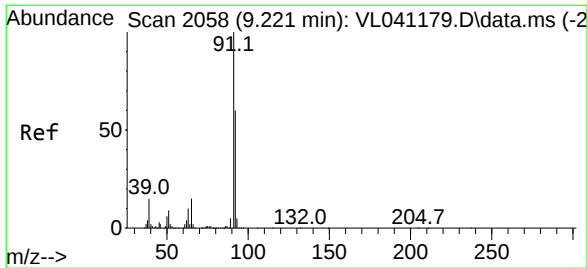


#52  
Tetrachloroethene  
Concen: 0.665 ppbv m  
RT: 10.616 min Scan# 2492  
Delta R.T. 0.003 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35



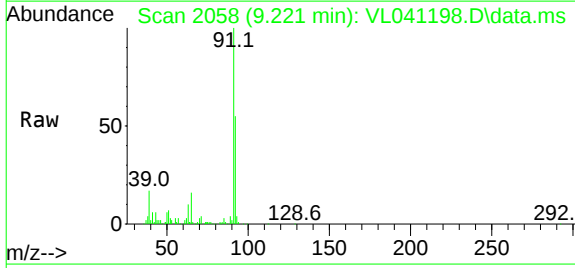
Tgt Ion:164 Resp: 42786  
Ion Ratio Lower Upper  
164 100  
166 132.8 101.1 151.7  
129 98.1 81.7 122.5  
131 96.3 80.4 120.6





#53  
Toluene  
Concen: 0.868 ppbv  
RT: 9.221 min Scan# 2058  
Delta R.T. 0.000 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35

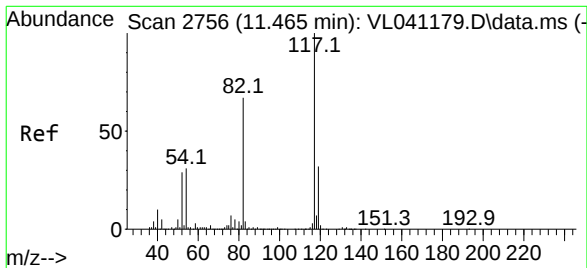
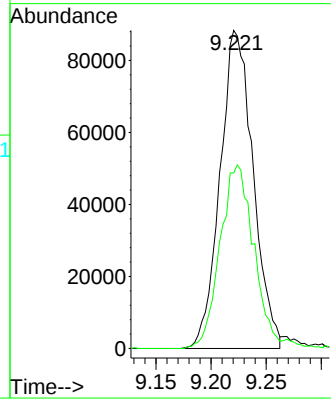
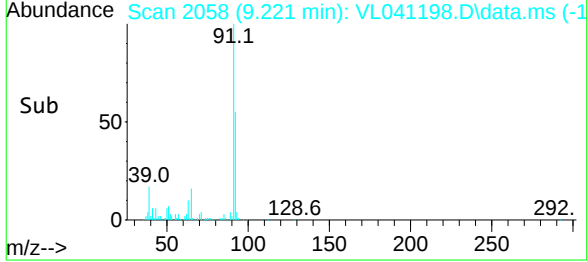
Instrument :  
MSVOA\_L  
ClientSampleId :  
BA-20-SS03-20240425



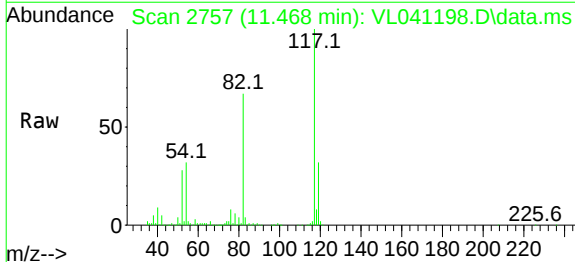
Tgt Ion: 91 Resp: 184247  
Ion Ratio Lower Upper  
91 100  
92 60.3 48.2 72.4

Manual Integrations  
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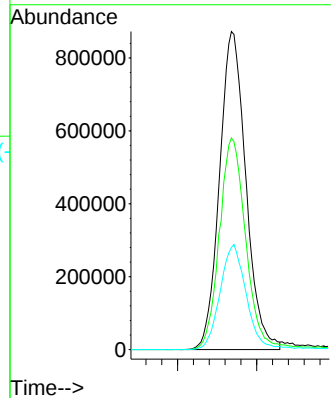
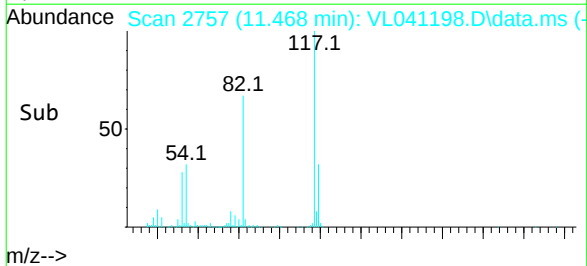
Reviewed By :Semsettin Yesilyurt 05/06/2024  
Supervised By :Mahesh Dadoda 05/07/2024

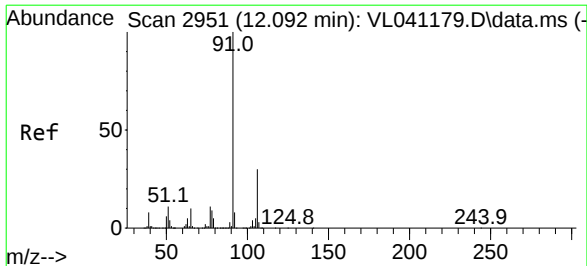


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.468 min Scan# 2757  
Delta R.T. 0.003 min  
Lab File: VL041198.D  
Acq: 2 May 2024 16:35



Tgt Ion:117 Resp: 2018660  
Ion Ratio Lower Upper  
117 100  
82 67.7 53.6 80.4  
119 33.0 27.2 40.8





#58

Ethyl Benzene

Concen: 0.154 ppbv m

RT: 12.089 min Scan# 29

Delta R.T. 0.003 min

Lab File: VL041198.D

Acq: 2 May 2024 16:35

Instrument :

MSVOA\_L

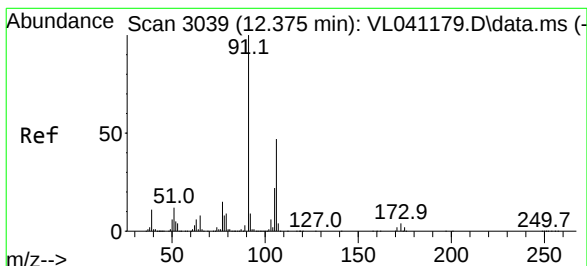
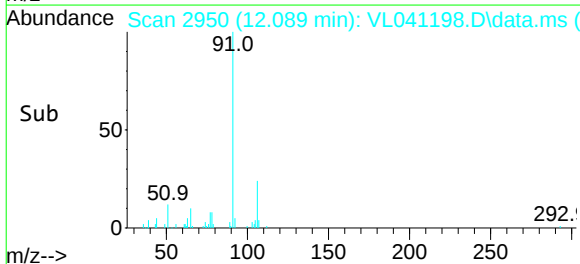
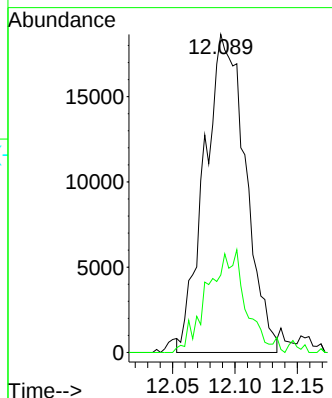
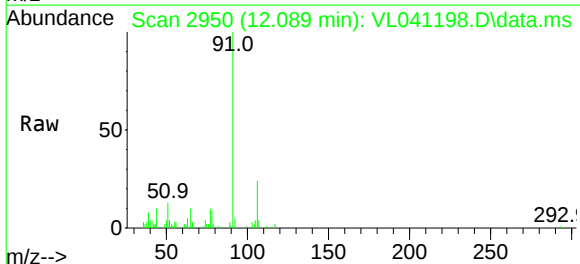
ClientSampleId :

BA-20-SS03-20240425

Tgt Ion: 91 Resp: 42719  
 Ion Ratio Lower Upper  
 91 100  
 106 24.4 24.3 36.5

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024  
 Supervised By :Mahesh Dadoda 05/07/2024



#59

m/p-Xylene

Concen: 0.362 ppbv m

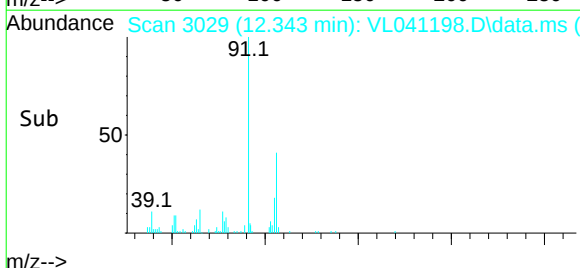
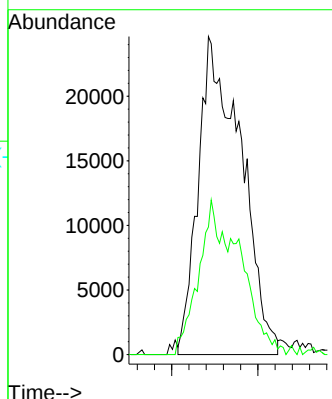
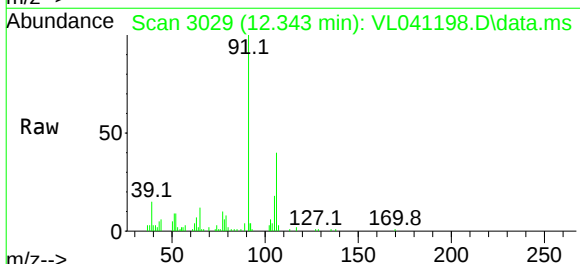
RT: 12.343 min Scan# 3029

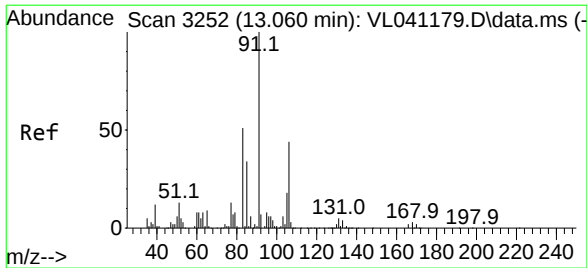
Delta R.T. -0.029 min

Lab File: VL041198.D

Acq: 2 May 2024 16:35

Tgt Ion: 91 Resp: 84207  
 Ion Ratio Lower Upper  
 91 100  
 106 0.0 35.7 53.5#





#60

o-Xylene

Concen: 0.173 ppbv m

RT: 13.066 min Scan# 3252

Delta R.T. 0.010 min

Lab File: VL041198.D

Acq: 2 May 2024 16:35

Instrument :

MSVOA\_L

ClientSampleId :

BA-20-SS03-20240425

Tgt Ion: 91 Resp: 37827

Ion Ratio Lower Upper

91 100

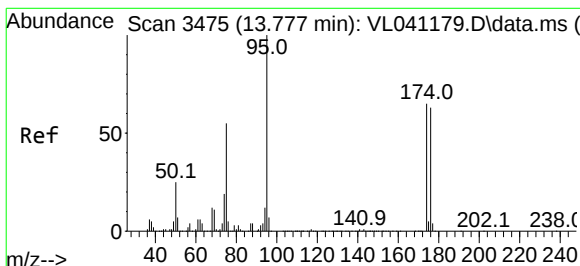
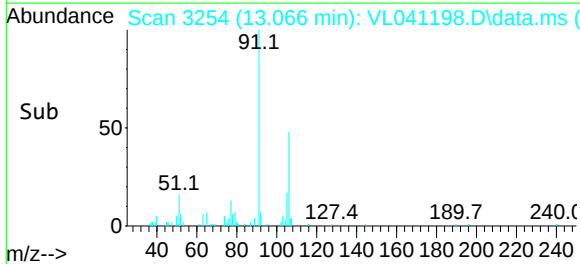
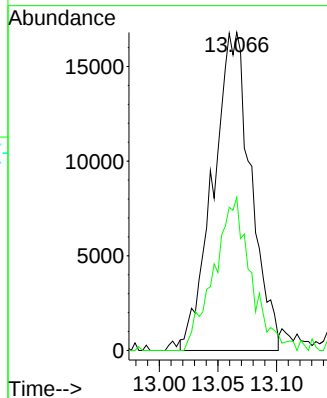
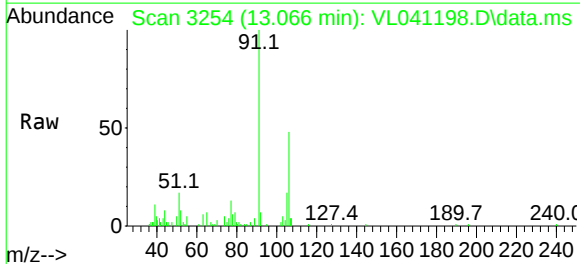
106 0.0 22.4 67.3#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.161 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.006 min

Lab File: VL041198.D

Acq: 2 May 2024 16:35

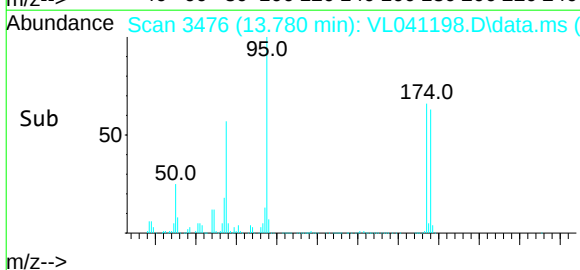
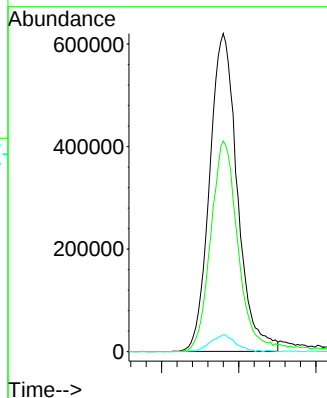
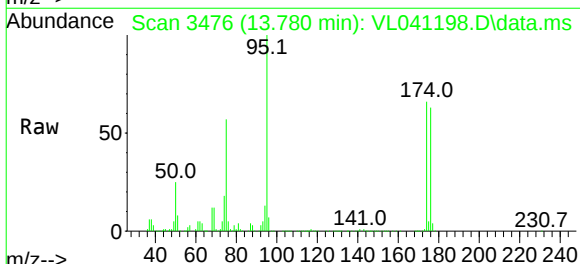
Tgt Ion: 95 Resp: 1548566

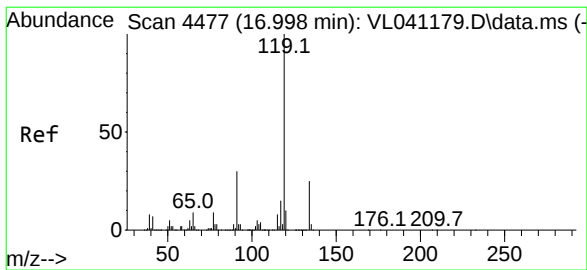
Ion Ratio Lower Upper

95 100

174 67.9 53.6 80.4

175 5.0 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.080 ppbv m

RT: 17.005 min Scan# 4477

Delta R.T. 0.013 min

Lab File: VL041198.D

Acq: 2 May 2024 16:35

Instrument :

MSVOA\_L

ClientSampleId :

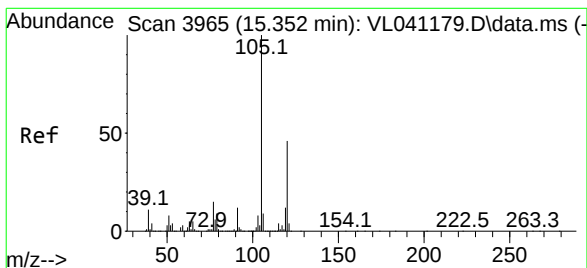
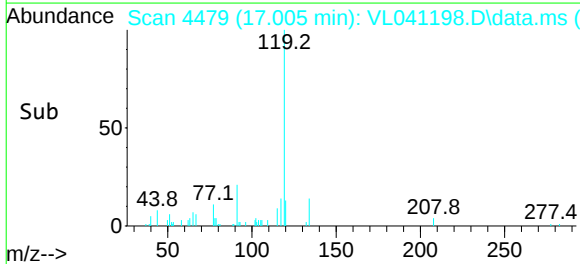
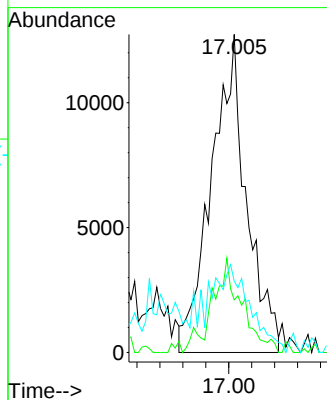
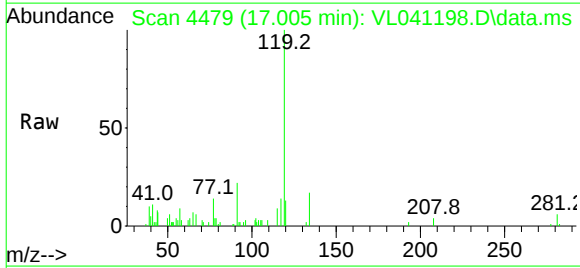
BA-20-SS03-20240425

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 27004 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 134       | 0.0   | 20.1  | 30.1# |
| 91        | 0.0   | 24.2  | 36.2# |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024  
Supervised By :Mahesh Dadoda 05/07/2024



#73

1,3,5-Trimethylbenzene

Concen: 0.223 ppbv m

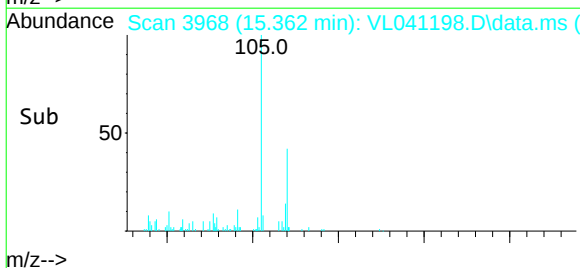
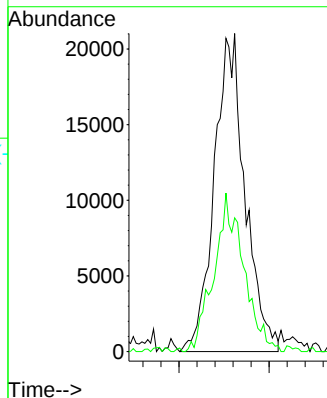
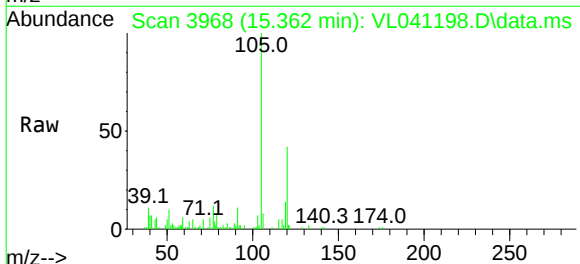
RT: 15.362 min Scan# 3968

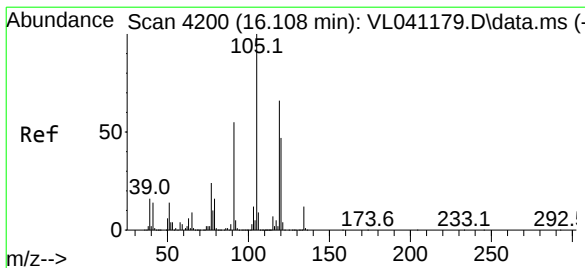
Delta R.T. 0.013 min

Lab File: VL041198.D

Acq: 2 May 2024 16:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 49776 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 42.0  | 37.0  | 55.4  |





#74

1,2,4-Trimethylbenzene

Concen: 0.363 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.003 min

Lab File: VL041198.D

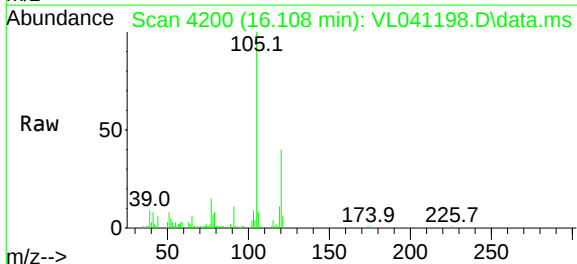
Acq: 2 May 2024 16:35

Instrument :

MSVOA\_L

ClientSampleId :

BA-20-SS03-20240425

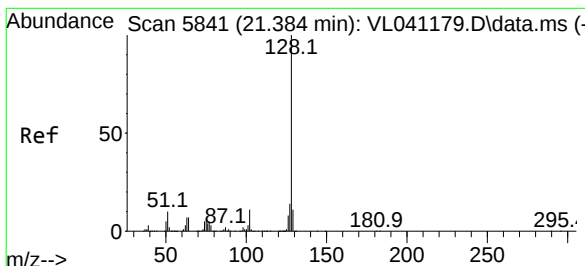
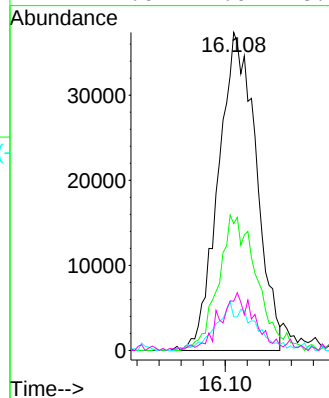
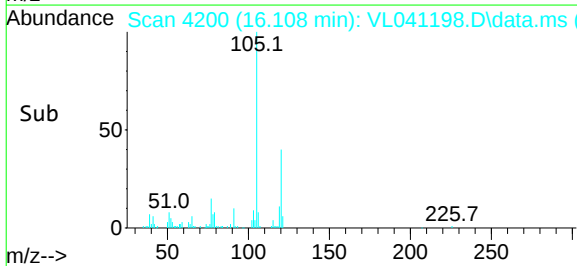


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 88651 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 39.9  | 37.8  | 56.6  |
| 91        | 11.5  | 44.3  | 66.5# |
| 77        | 14.6  | 19.0  | 28.4# |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024  
Supervised By :Mahesh Dadoda 05/07/2024



#79

Naphthalene

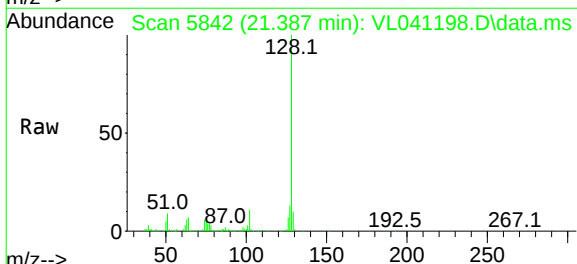
Concen: 2.297 ppbv

RT: 21.387 min Scan# 5842

Delta R.T. 0.003 min

Lab File: VL041198.D

Acq: 2 May 2024 16:35



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 533928 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.8  | 16.2   |
| 129       | 10.1  | 8.9   | 13.3   |

