

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL080124\  
 Data File : VL041483.D  
 Acq On : 1 Aug 2024 18:26  
 Operator : SY/MD  
 Sample : P3445-03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 BASEMENT

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/02/2024  
 Supervised By :Mahesh Dadoda 08/03/2024

Quant Time: Aug 02 04:13:31 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M

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

QLast Update : Fri Aug 02 03:13:29 2024

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.195  | 49   | 888794   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.655  | 114  | 2361592  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.471 | 117  | 2229211  | 10.000 | ppbv  | # 0.00   |

System Monitoring Compounds

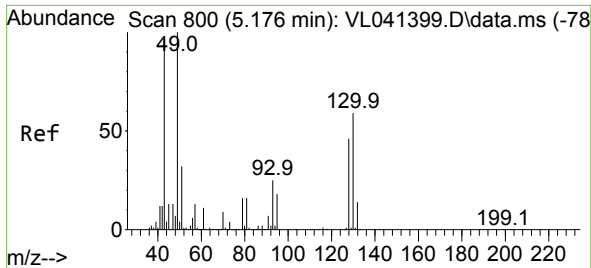
68) 1-Bromo-4-Fluorobenzene 13.780 95 1751218 10.208 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.100%

Target Compounds

|                            |        |     |         |          | Qvalue |      |
|----------------------------|--------|-----|---------|----------|--------|------|
| 2) Dichlorodifluoromethane | 2.735  | 85  | 32063m  | 0.210    | ppbv   |      |
| 3) Chlorodifluoromethane   | 2.678  | 51  | 1685241 | 15.928   | ppbv   | 96   |
| 4) Chloromethane           | 2.816  | 50  | 47187   | 0.838    | ppbv   | 92   |
| 9) Propene                 | 2.710  | 41  | 358337m | 7.372    | ppbv   |      |
| 10) Heptane                | 7.584  | 43  | 90091   | 0.825    | ppbv   | 92   |
| 11) Trichlorofluoromethane | 3.568  | 101 | 33352   | 0.246    | ppbv   | 99   |
| 13) Ethanol                | 3.247  | 45  | 5142541 | 1183.763 | ppbv   | 95   |
| 15) Acetone                | 3.465  | 43  | 5454976 | 54.017   | ppbv   | 100  |
| 17) tert-Butyl alcohol     | 3.896  | 59  | 56177m  | 0.610    | ppbv   |      |
| 19) Isopropyl Alcohol      | 3.584  | 45  | 5120793 | 86.736   | ppbv   | # 99 |
| 20) Methylene Chloride     | 3.935  | 84  | 228724  | 6.074    | ppbv   | 97   |
| 25) Ethyl Acetate          | 5.208  | 43  | 446133  | 2.224    | ppbv   | 98   |
| 26) Hexane                 | 5.214  | 57  | 160770m | 1.932    | ppbv   |      |
| 27) Carbon Disulfide       | 4.128  | 76  | 9544    | 0.098    | ppbv   | # 39 |
| 29) Chloroform             | 5.275  | 83  | 115126  | 0.848    | ppbv   | 99   |
| 30) Cyclohexane            | 6.607  | 84  | 12869m  | 0.190    | ppbv   |      |
| 34) 2-Butanone             | 4.787  | 43  | 192429  | 1.684    | ppbv   | 99   |
| 35) Carbon Tetrachloride   | 6.488  | 117 | 10040m  | 0.077    | ppbv   |      |
| 36) Benzene                | 6.372  | 78  | 60819m  | 0.352    | ppbv   |      |
| 37) 1,2-Dichloroethane     | 5.812  | 62  | 10119m  | 0.105    | ppbv   |      |
| 38) Trichloroethene        | 7.298  | 130 | 5316m   | 0.067    | ppbv   |      |
| 41) Tetrahydrofuran        | 5.542  | 42  | 22377m  | 0.342    | ppbv   |      |
| 44) 2,2,4-Trimethylpentane | 7.330  | 57  | 373723  | 1.297    | ppbv   | 89   |
| 52) Tetrachloroethene      | 10.619 | 164 | 10197m  | 0.153    | ppbv   |      |
| 53) Toluene                | 9.221  | 91  | 932632  | 4.852    | ppbv   | 100  |
| 58) Ethyl Benzene          | 12.095 | 91  | 76990m  | 0.300    | ppbv   |      |
| 59) m/p-Xylene             | 12.346 | 91  | 144761m | 0.653    | ppbv   |      |
| 60) o-Xylene               | 13.060 | 91  | 63970m  | 0.305    | ppbv   |      |
| 61) Styrene                | 12.899 | 104 | 31243m  | 0.330    | ppbv   |      |
| 69) p-Isopropyltoluene     | 17.002 | 119 | 205782  | 0.625    | ppbv   | 96   |
| 72) 4-Ethyltoluene         | 15.191 | 105 | 49667m  | 0.201    | ppbv   |      |
| 73) 1,3,5-Trimethylbenzene | 15.352 | 105 | 44131m  | 0.207    | ppbv   |      |
| 74) 1,2,4-Trimethylbenzene | 16.105 | 105 | 130102m | 0.526    | ppbv   |      |
| 76) 1,4-Dichlorobenzene    | 16.478 | 146 | 28081m  | 0.186    | ppbv   |      |
| 79) Naphthalene            | 21.381 | 128 | 38221m  | 0.175    | ppbv   |      |

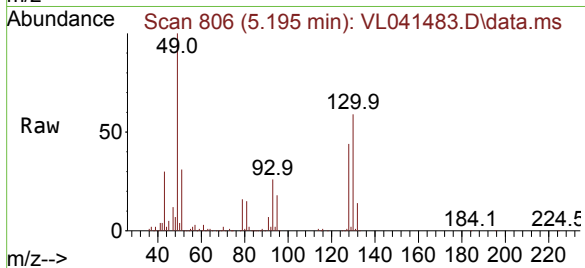
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.195 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

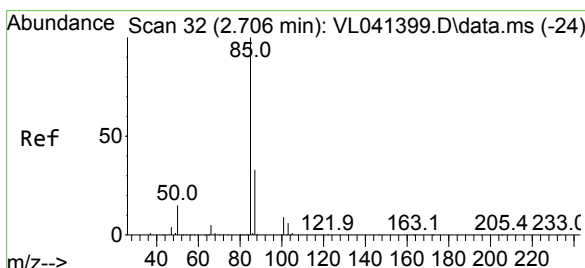
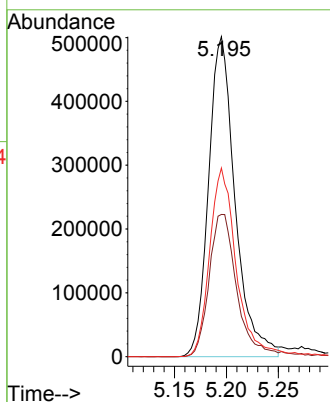
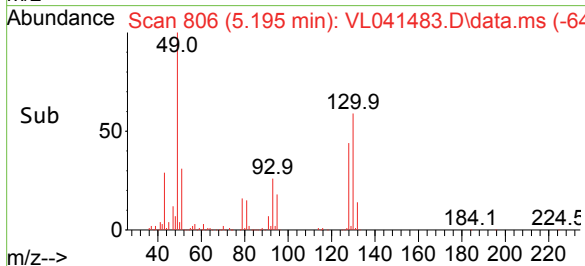
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



Tgt Ion: 49 Resp: 888794  
Ion Ratio Lower Upper  
49 100  
128 47.7 23.8 71.4  
130 60.6 30.8 92.4

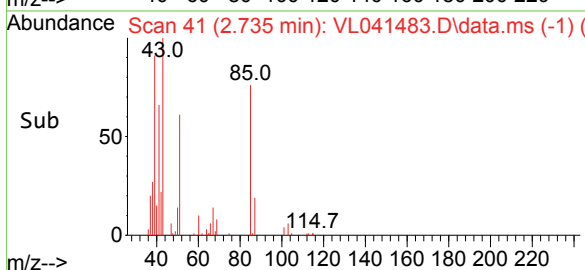
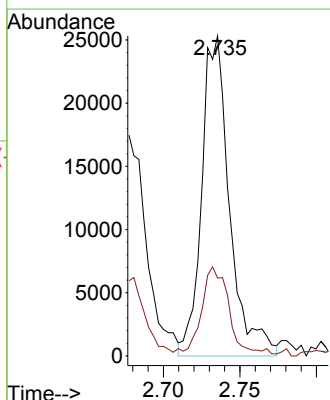
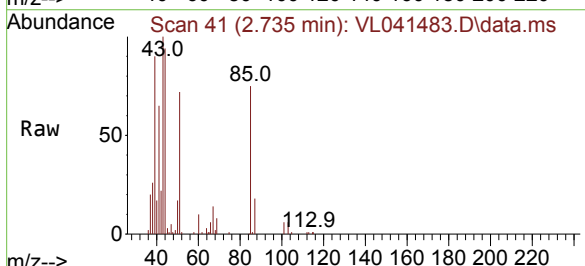
Manual Integrations  
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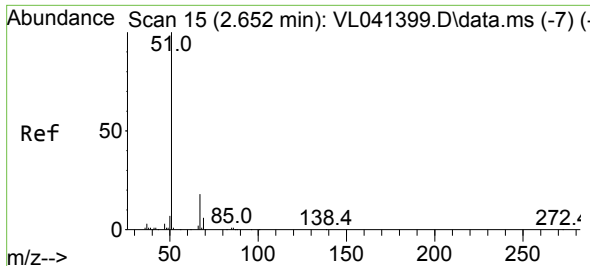
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024



#2  
Dichlorodifluoromethane  
Concen: 0.210 ppbv m  
RT: 2.735 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

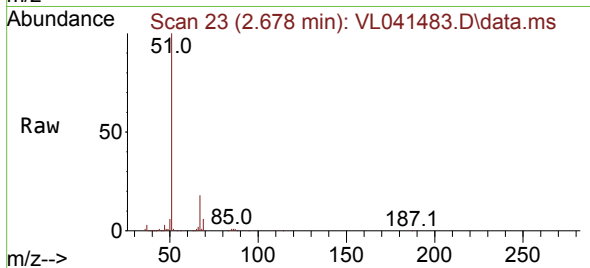
Tgt Ion: 85 Resp: 32063  
Ion Ratio Lower Upper  
85 100  
87 24.3 26.0 39.0





#3  
Chlorodifluoromethane  
Concen: 15.928 ppbv  
RT: 2.678 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

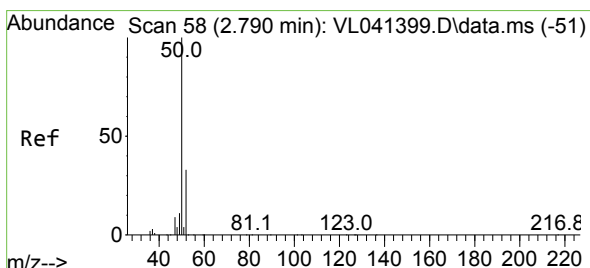
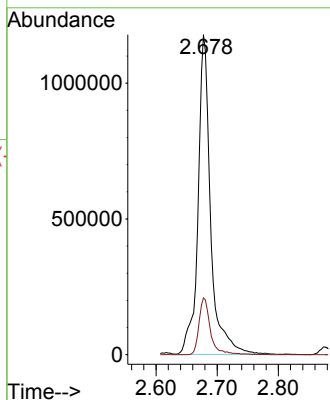
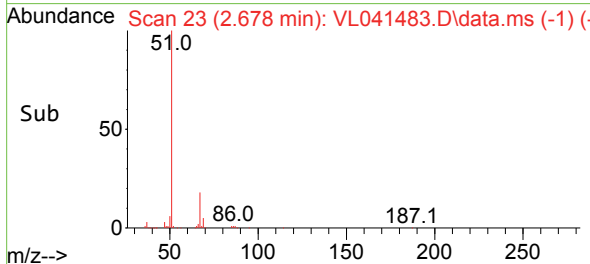
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



Tgt Ion: 51 Resp: 168524  
Ion Ratio Lower Upper  
51 100  
67 16.2 14.5 21.7

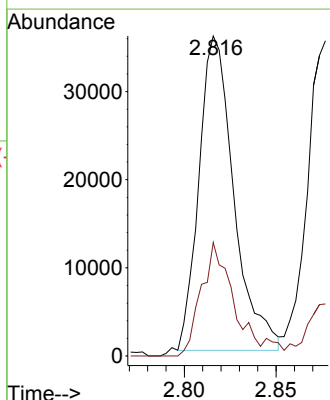
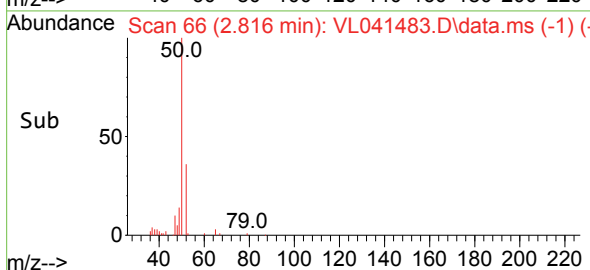
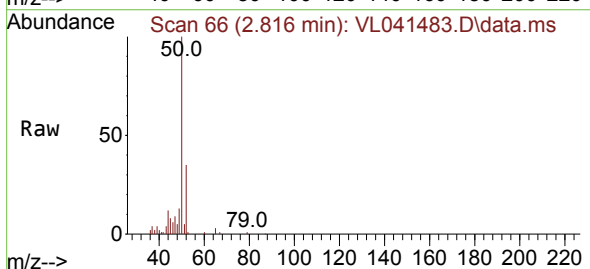
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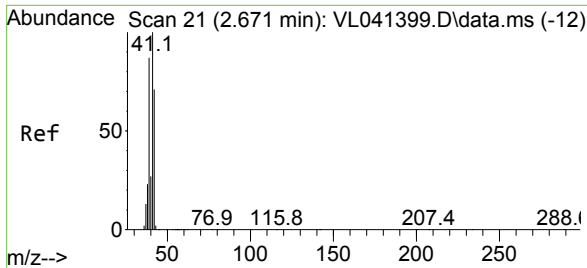
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024



#4  
Chloromethane  
Concen: 0.838 ppbv  
RT: 2.816 min Scan# 66  
Delta R.T. 0.003 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

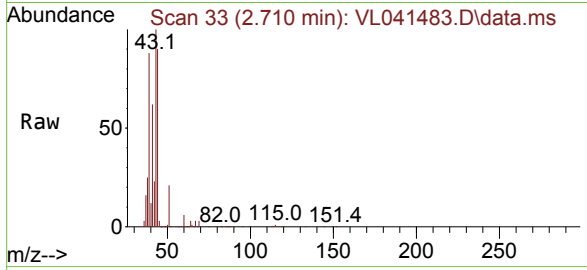
Tgt Ion: 50 Resp: 47187  
Ion Ratio Lower Upper  
50 100  
52 37.1 26.1 39.1





#9  
 Propene  
 Concen: 7.372 ppbv m  
 RT: 2.710 min Scan# 31  
 Delta R.T. 0.016 min  
 Lab File: VL041483.D  
 Acq: 1 Aug 2024 18:26

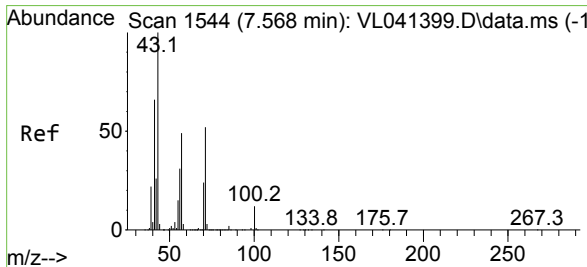
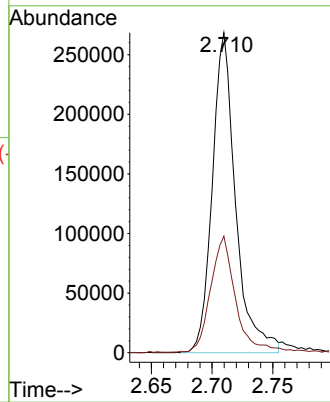
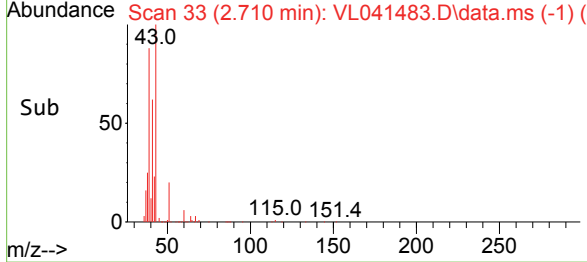
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 BASEMENT



Tgt Ion: 41 Resp: 35833  
 Ion Ratio Lower Upper  
 41 100  
 42 328.2 55.9 83.9

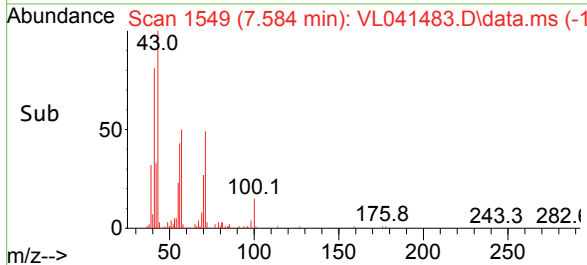
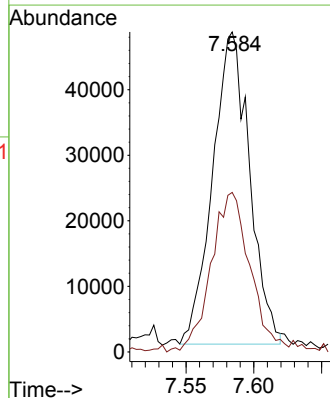
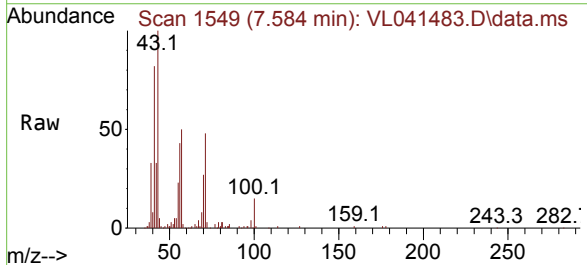
Manual Integrations  
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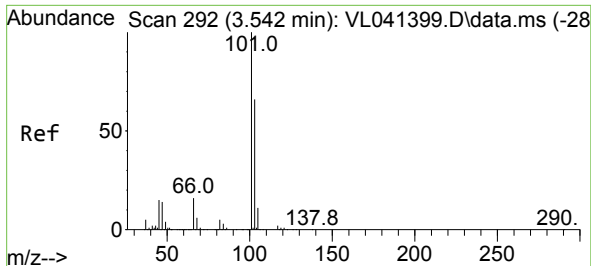
Reviewed By :Semsettin Yesilyurt 08/02/2024  
 Supervised By :Mahesh Dadoda 08/03/2024



#10  
 Heptane  
 Concen: 0.825 ppbv  
 RT: 7.584 min Scan# 1549  
 Delta R.T. 0.006 min  
 Lab File: VL041483.D  
 Acq: 1 Aug 2024 18:26

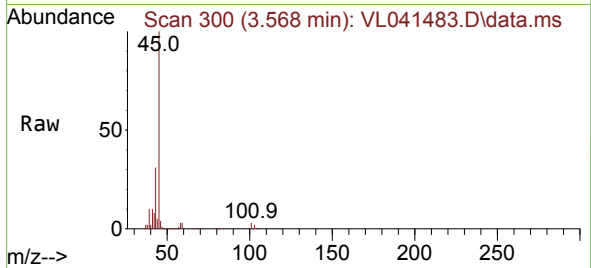
Tgt Ion: 43 Resp: 90091  
 Ion Ratio Lower Upper  
 43 100  
 57 55.9 40.5 60.7





#11  
Trichlorofluoromethane  
Concen: 0.246 ppbv  
RT: 3.568 min Scan# 30  
Delta R.T. 0.006 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

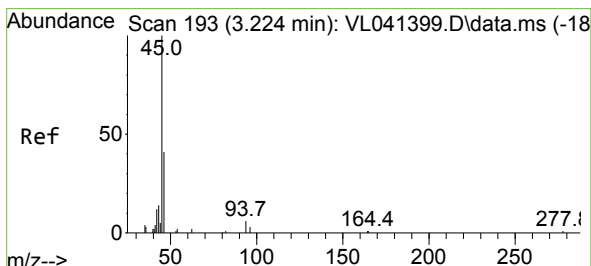
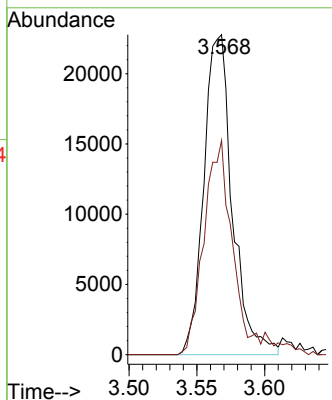
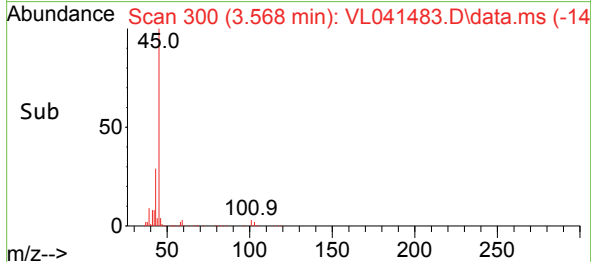
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



Tgt Ion:101 Resp: 33352  
Ion Ratio Lower Upper  
101 100  
103 66.9 52.6 79.0

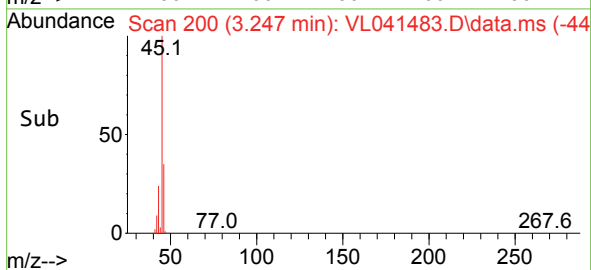
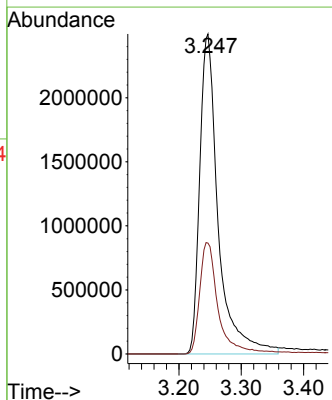
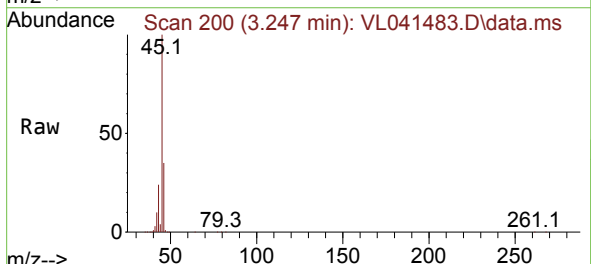
Manual Integrations  
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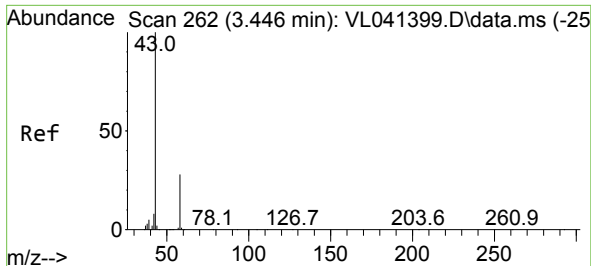
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024



#13  
Ethanol  
Concen: 1183.763 ppbv  
RT: 3.247 min Scan# 200  
Delta R.T. 0.000 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

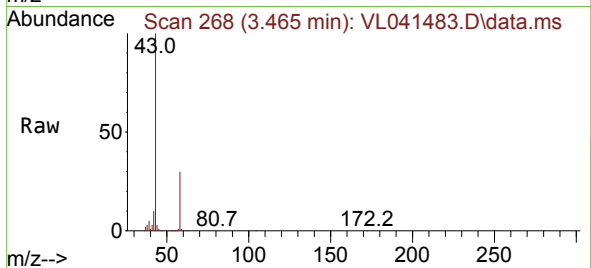
Tgt Ion: 45 Resp: 5142541  
Ion Ratio Lower Upper  
45 100  
46 36.5 13.4 53.4





#15  
Acetone  
Concen: 54.017 ppbv  
RT: 3.465 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

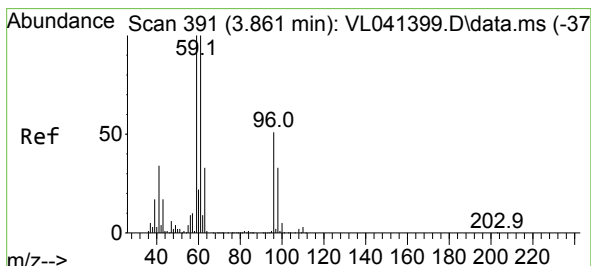
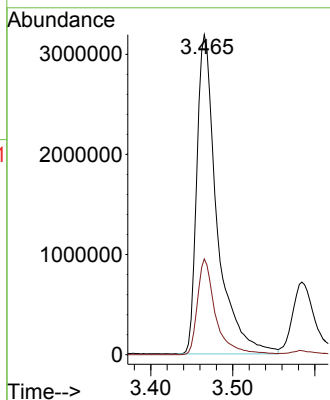
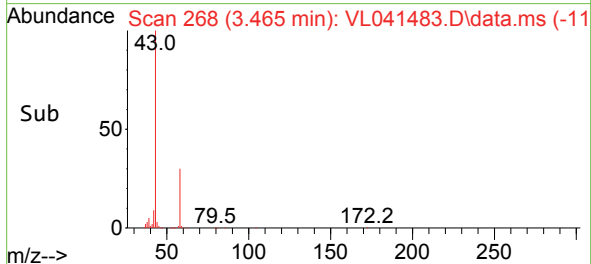
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



Tgt Ion: 43 Resp: 5454970  
Ion Ratio Lower Upper  
43 100  
58 27.0 21.4 32.2

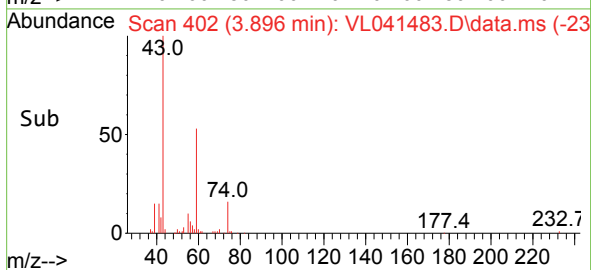
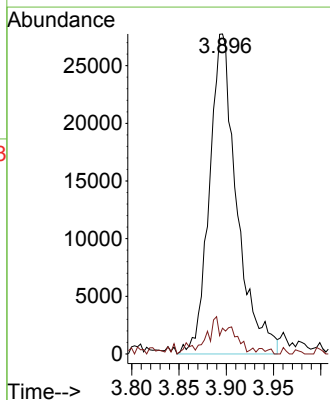
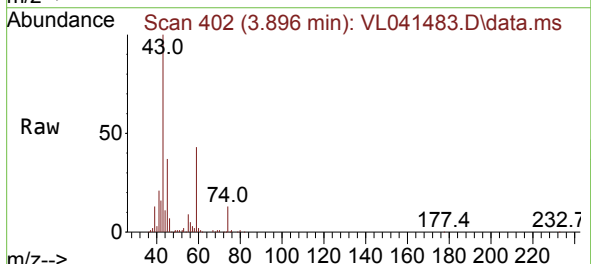
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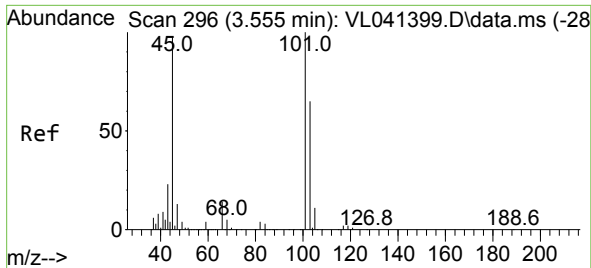
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024



#17  
tert-Butyl alcohol  
Concen: 0.610 ppbv m  
RT: 3.896 min Scan# 402  
Delta R.T. 0.023 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

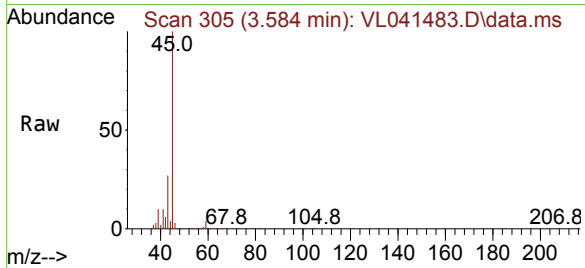
Tgt Ion: 59 Resp: 56177  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#





#19  
Isopropyl Alcohol  
Concen: 86.736 ppbv  
RT: 3.584 min Scan# 305  
Delta R.T. 0.010 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

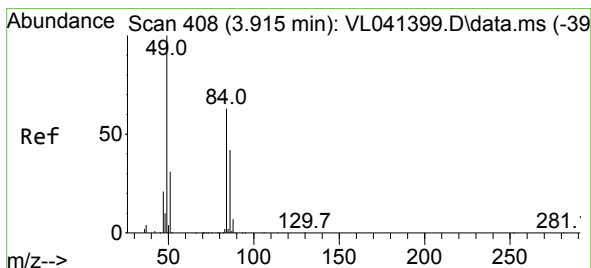
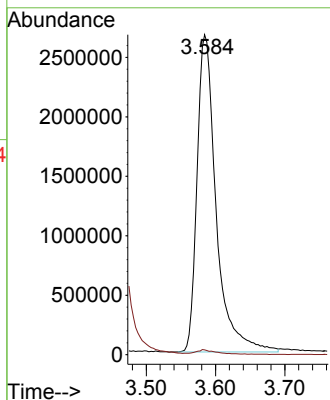
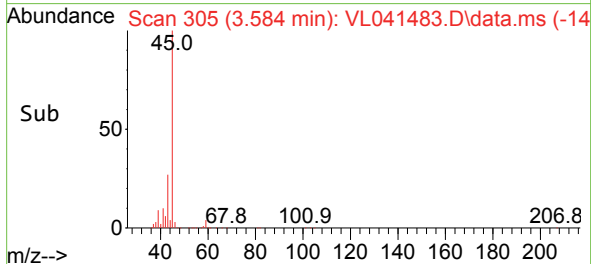
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



Tgt Ion: 45 Resp: 512079  
Ion Ratio Lower Upper  
45 100  
58 1.9 1.9 2.9

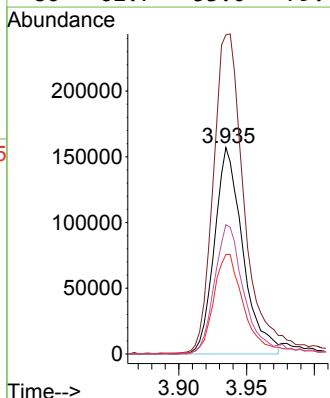
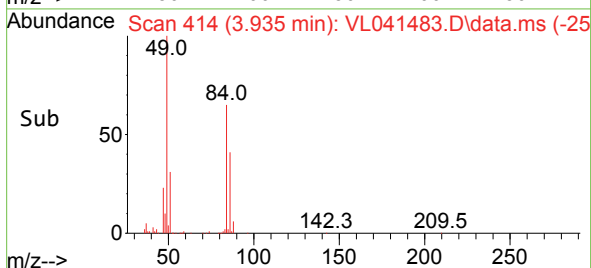
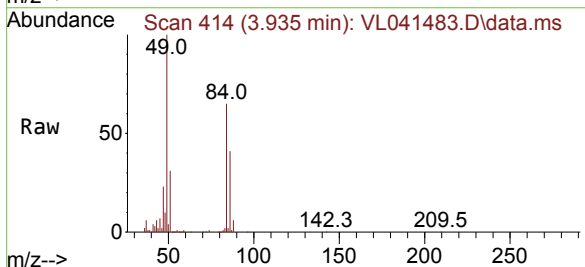
Manual Integrations  
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Supervised By :Mahesh Dadoda 08/03/2024

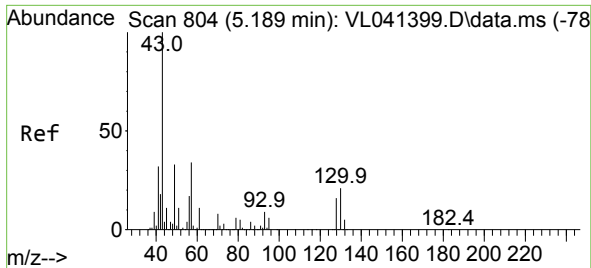


#20  
Methylene Chloride  
Concen: 6.074 ppbv  
RT: 3.935 min Scan# 414  
Delta R.T. 0.003 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

Tgt Ion: 84 Resp: 228724  
Ion Ratio Lower Upper  
84 100  
49 154.4 126.6 190.0  
51 47.6 38.6 58.0  
86 62.7 53.0 79.4







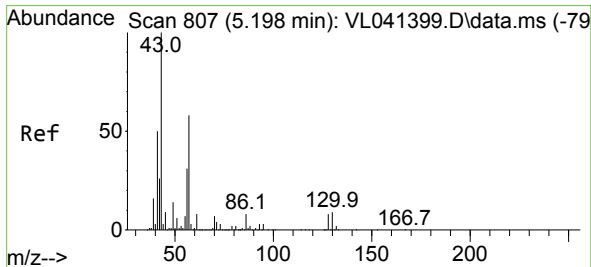
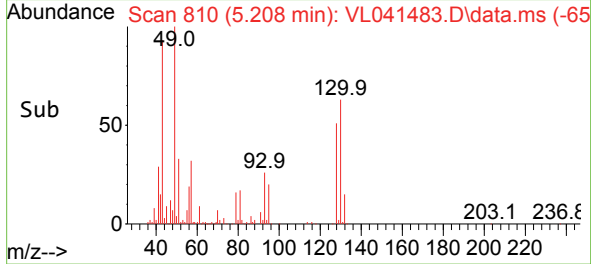
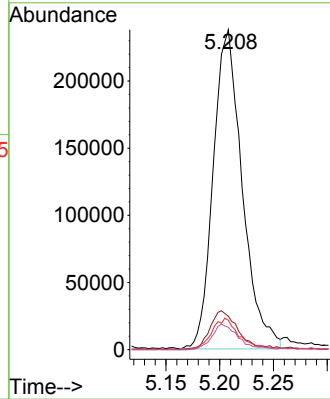
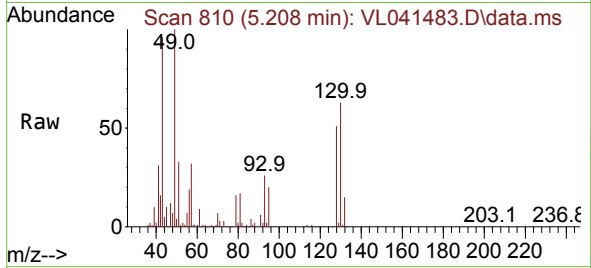
#25  
Ethyl Acetate  
Concen: 2.224 ppbv  
RT: 5.208 min Scan# 810  
Delta R.T. 0.006 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 44613 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 45 12.1     | 8.5 12.7    |
| 61 9.8      | 8.0 12.0    |
| 70 7.4      | 5.9 8.9     |

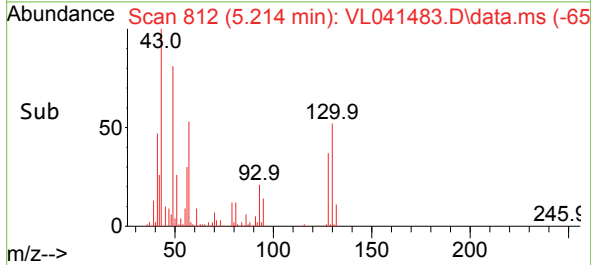
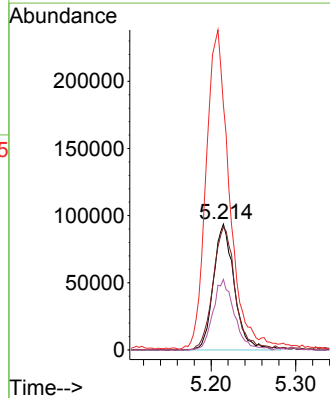
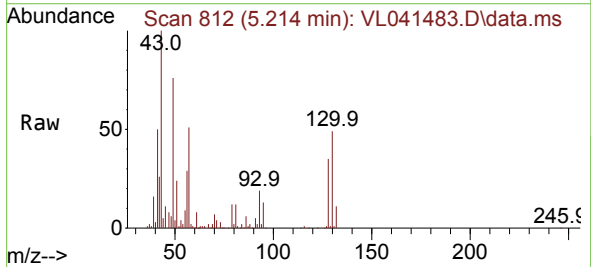
Manual Integrations  
APPROVED

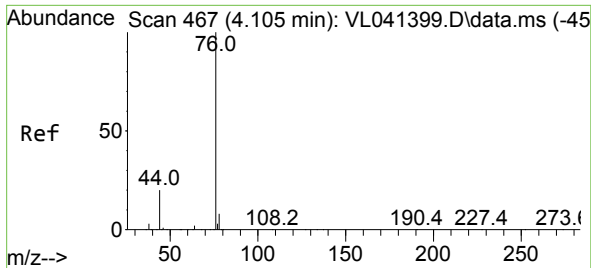
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024



#26  
Hexane  
Concen: 1.932 ppbv m  
RT: 5.214 min Scan# 812  
Delta R.T. 0.003 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

|             |              |
|-------------|--------------|
| Tgt Ion: 57 | Resp: 160770 |
| Ion Ratio   | Lower Upper  |
| 57 100      |              |
| 41 0.0      | 74.0 111.0#  |
| 43 0.0      | 193.6 290.4# |
| 56 0.0      | 43.1 64.7#   |





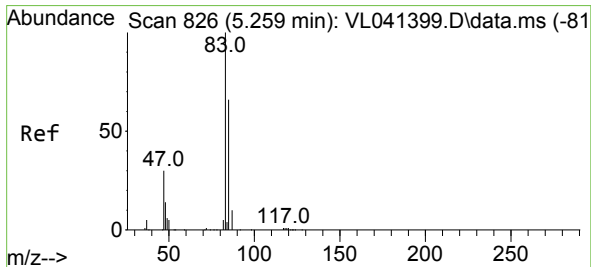
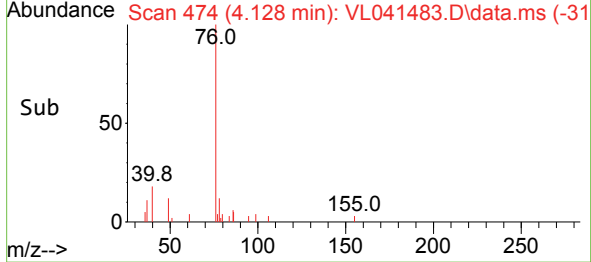
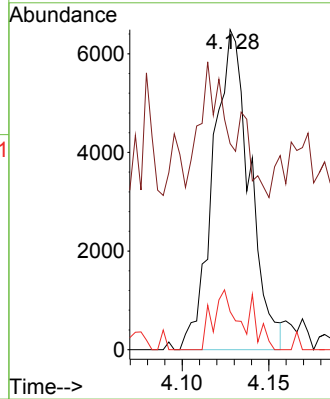
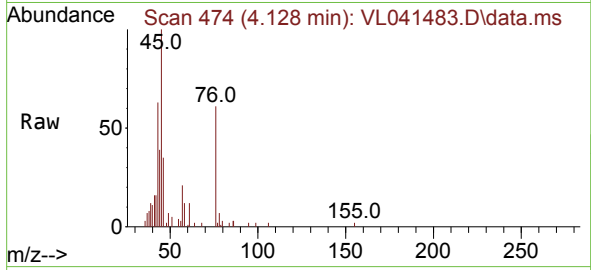
#27  
Carbon Disulfide  
Concen: 0.098 ppbv  
RT: 4.128 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT

Tgt Ion: 76 Resp: 9544  
Ion Ratio Lower Upper  
76 100  
44 56.6 15.6 23.4  
78 16.3 7.7 11.5

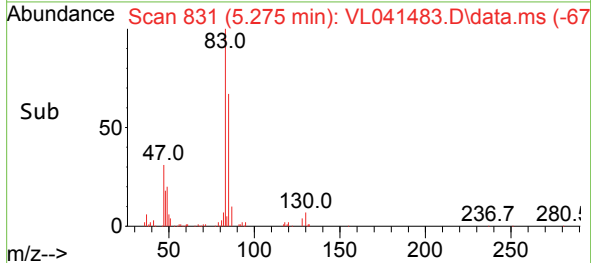
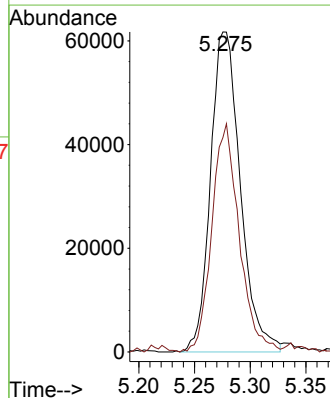
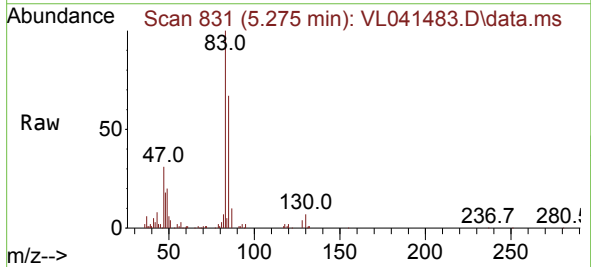
Manual Integrations  
APPROVED

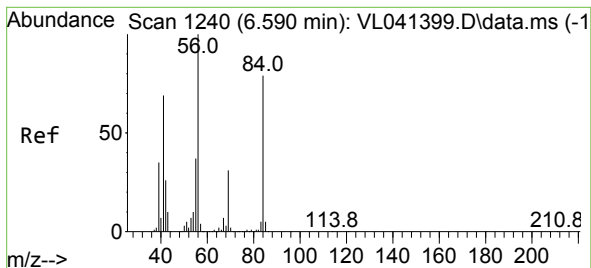
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024



#29  
Chloroform  
Concen: 0.848 ppbv  
RT: 5.275 min Scan# 831  
Delta R.T. 0.003 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

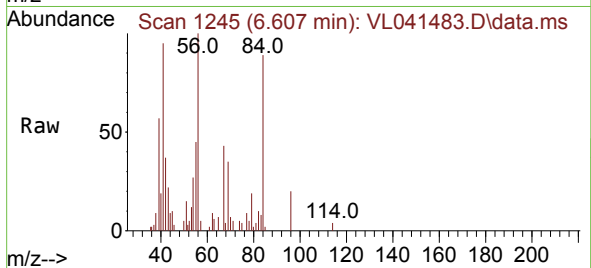
Tgt Ion: 83 Resp: 115126  
Ion Ratio Lower Upper  
83 100  
85 67.0 53.1 79.7





#30  
Cyclohexane  
Concen: 0.190 ppbv m  
RT: 6.607 min Scan# 1245  
Delta R.T. 0.010 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

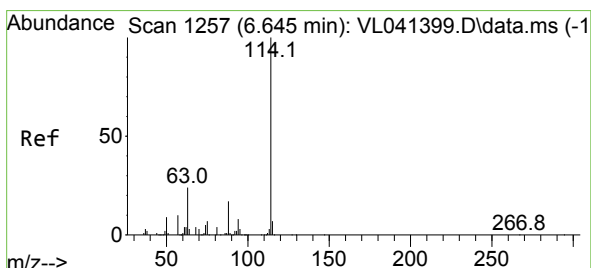
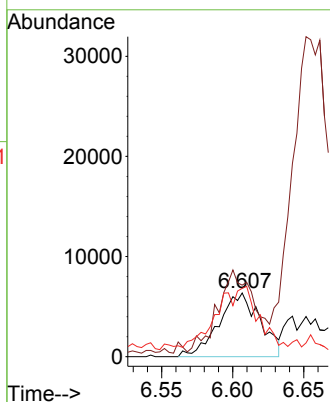
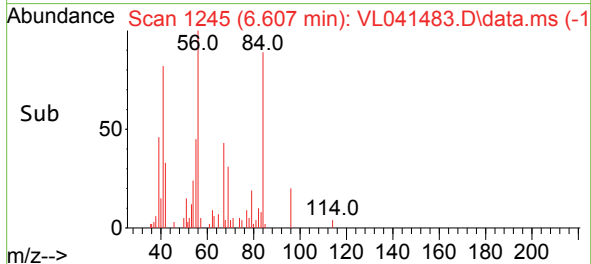
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



Tgt Ion: 84 Resp: 12869  
Ion Ratio Lower Upper  
84 100  
56 120.8 111.2 166.8  
41 127.6 70.3 105.5

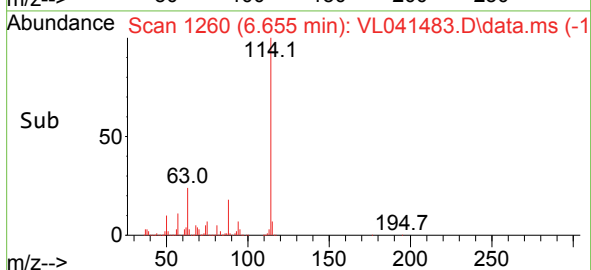
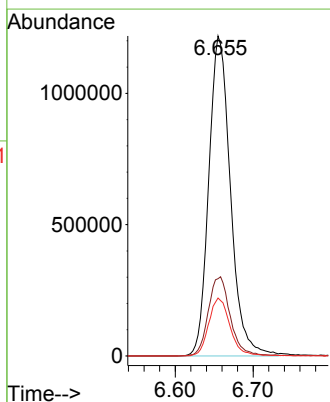
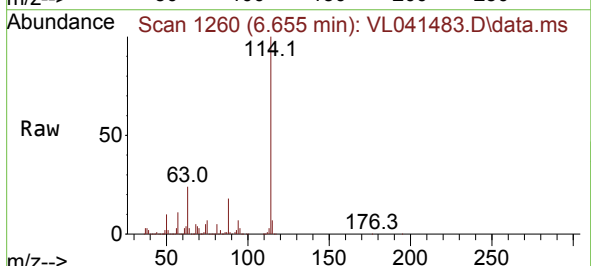
Manual Integrations  
APPROVED

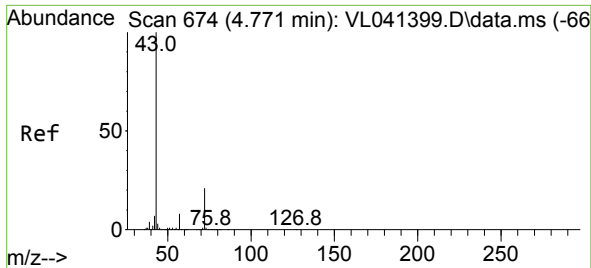
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.655 min Scan# 1260  
Delta R.T. 0.000 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

Tgt Ion:114 Resp: 2361592  
Ion Ratio Lower Upper  
114 100  
63 25.3 20.3 30.5  
88 17.8 14.3 21.5





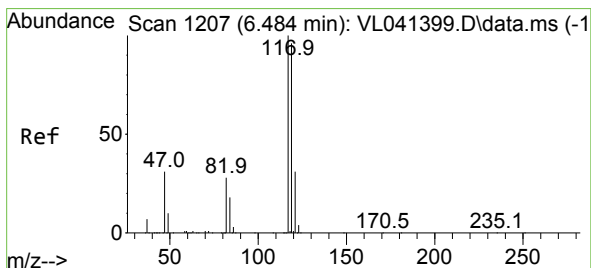
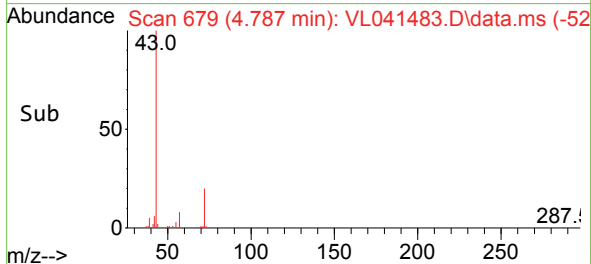
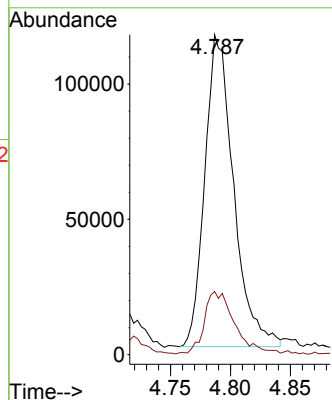
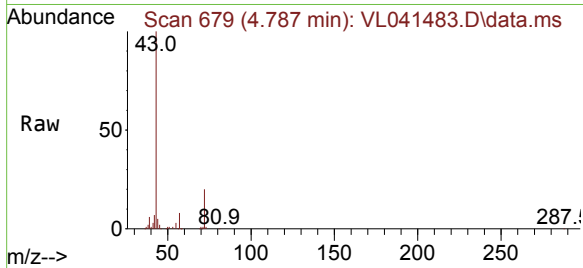
#34  
2-Butanone  
Concen: 1.684 ppbv  
RT: 4.787 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT

Tgt Ion: 43 Resp: 192429  
Ion Ratio Lower Upper  
43 100  
72 22.0 17.3 25.9

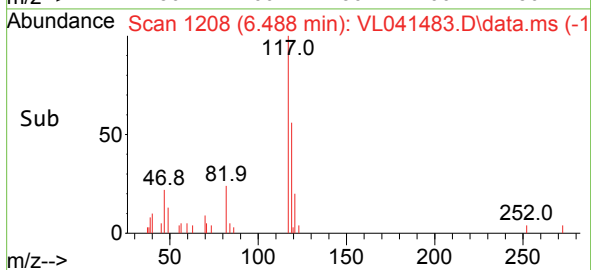
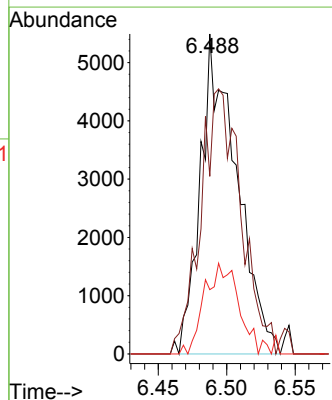
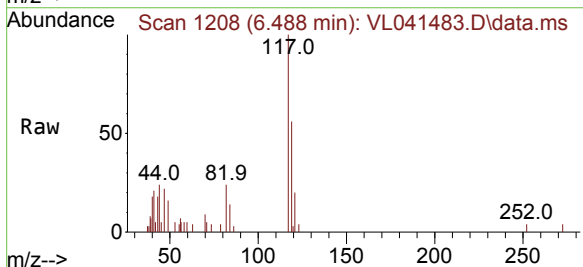
Manual Integrations  
APPROVED

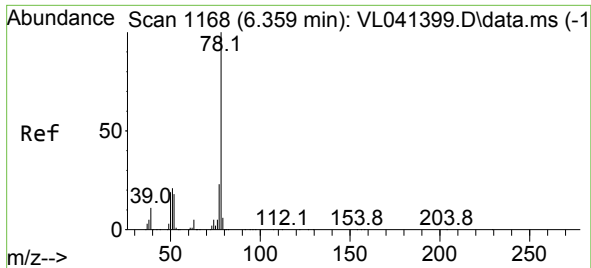
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024



#35  
Carbon Tetrachloride  
Concen: 0.077 ppbv m  
RT: 6.488 min Scan# 1208  
Delta R.T. -0.003 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

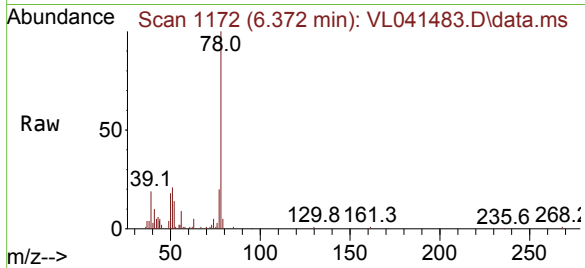
Tgt Ion:117 Resp: 10040  
Ion Ratio Lower Upper  
117 100  
119 55.5 76.6 115.0#  
121 20.1 25.1 37.7#





#36  
Benzene  
Concen: 0.352 ppbv m  
RT: 6.372 min Scan# 1168  
Delta R.T. 0.003 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

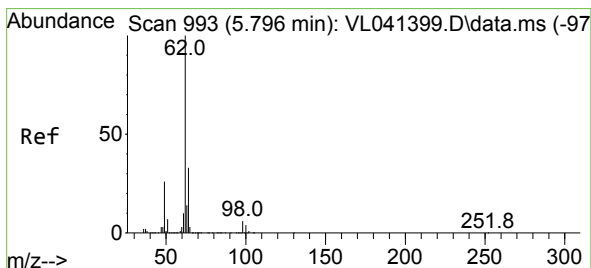
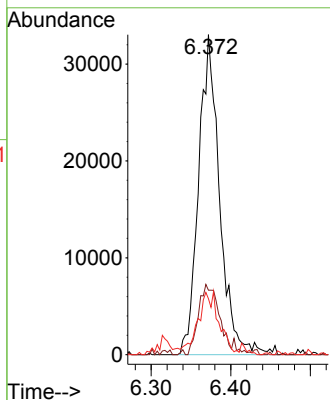
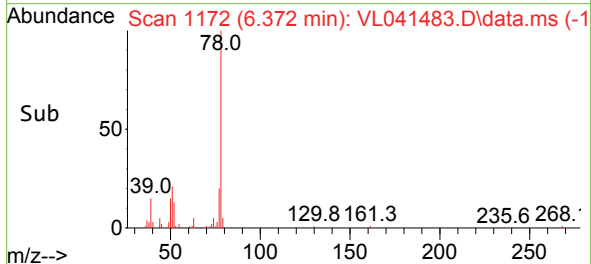
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



Tgt Ion: 78 Resp: 60819  
Ion Ratio Lower Upper  
78 100  
77 20.1 18.1 27.1  
50 17.5 15.5 23.3

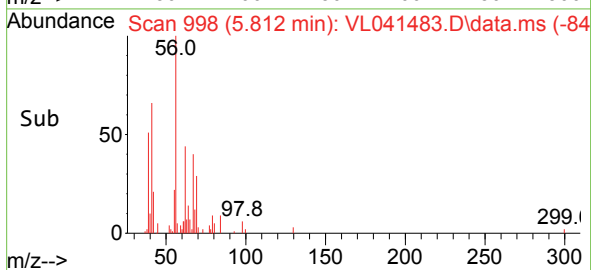
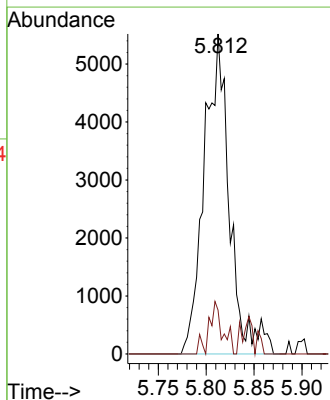
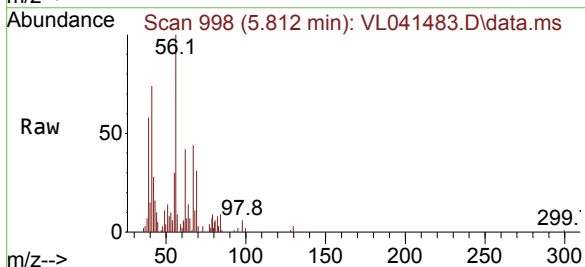
Manual Integrations  
APPROVED

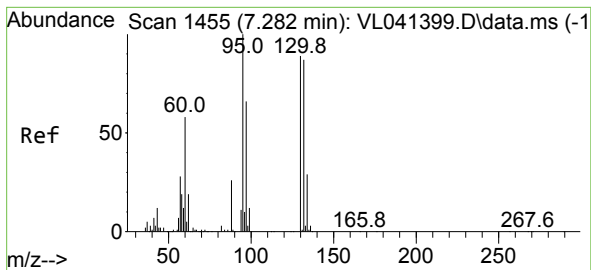
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024



#37  
1,2-Dichloroethane  
Concen: 0.105 ppbv m  
RT: 5.812 min Scan# 998  
Delta R.T. 0.006 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

Tgt Ion: 62 Resp: 10119  
Ion Ratio Lower Upper  
62 100  
98 14.4 5.0 7.4





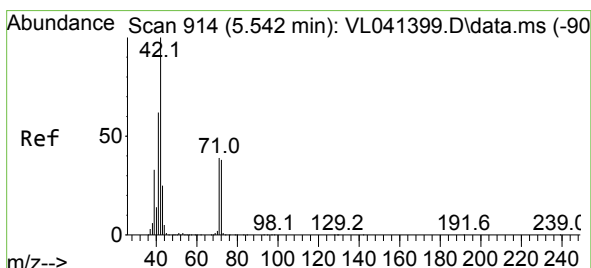
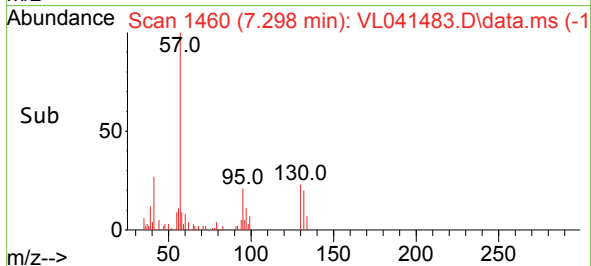
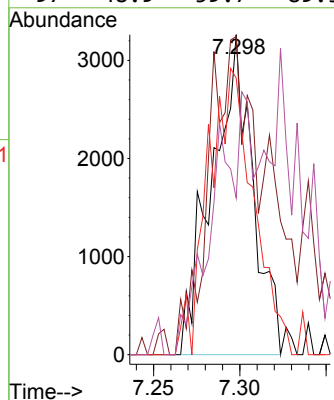
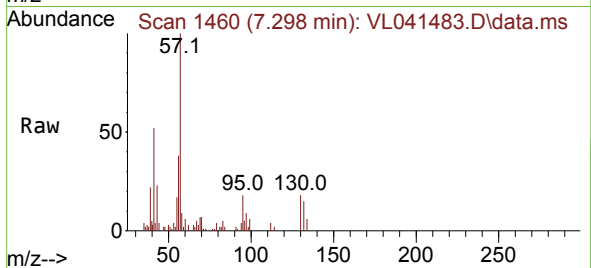
#38  
Trichloroethene  
Concen: 0.067 ppbv m  
RT: 7.298 min Scan# 1455  
Delta R.T. 0.010 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT

Tgt Ion:130 Resp: 5310  
Ion Ratio Lower Upper  
130 100  
95 99.4 90.2 135.2  
132 86.5 78.1 117.1  
97 48.9 59.7 89.5#

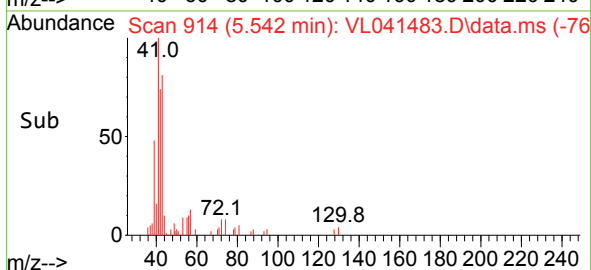
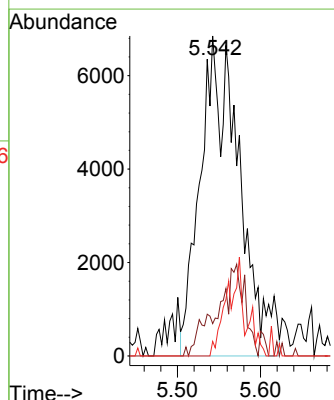
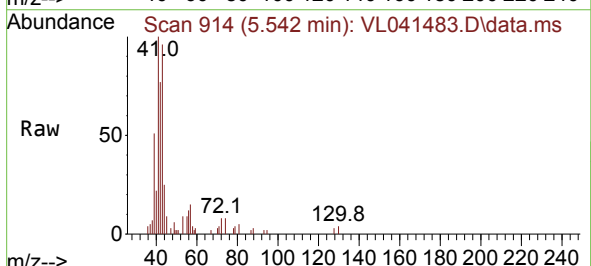
Manual Integrations  
APPROVED

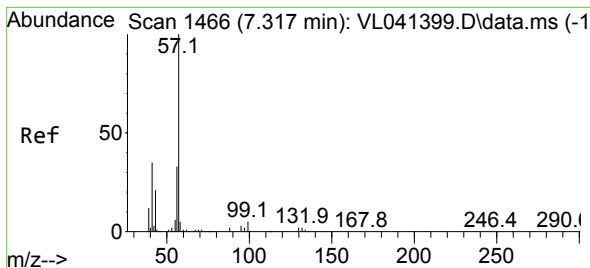
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024



#41  
Tetrahydrofuran  
Concen: 0.342 ppbv m  
RT: 5.542 min Scan# 914  
Delta R.T. -0.010 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

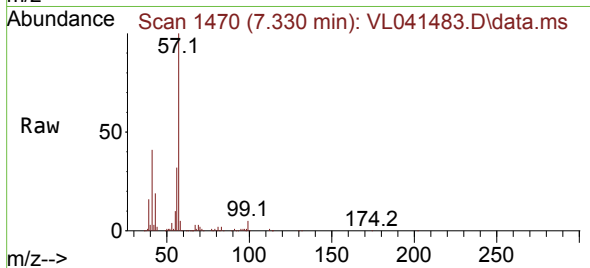
Tgt Ion: 42 Resp: 22377  
Ion Ratio Lower Upper  
42 100  
72 0.0 31.2 46.8#  
71 0.0 30.5 45.7#





#44  
2,2,4-Trimethylpentane  
Concen: 1.297 ppbv  
RT: 7.330 min Scan# 1466  
Delta R.T. 0.006 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

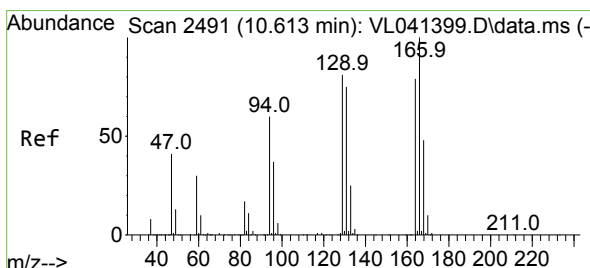
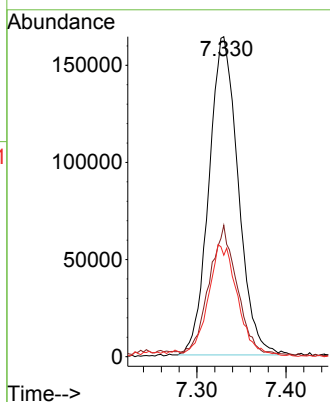
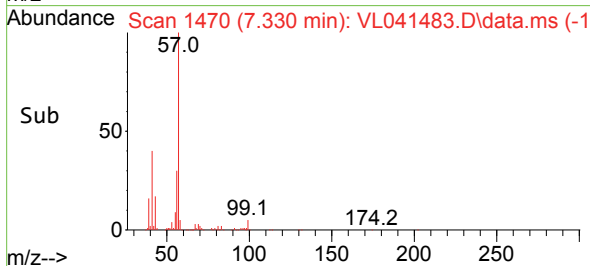
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



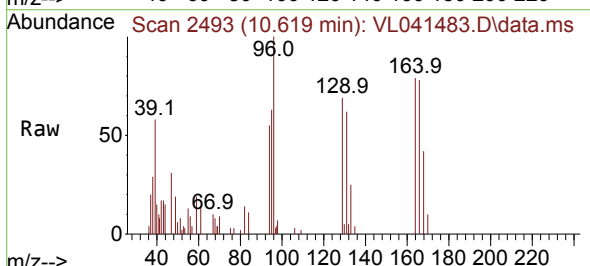
Tgt Ion: 57 Resp: 37372  
Ion Ratio Lower Upper  
57 100  
41 40.2 27.0 40.6  
56 37.0 25.2 37.8

Manual Integrations  
APPROVED

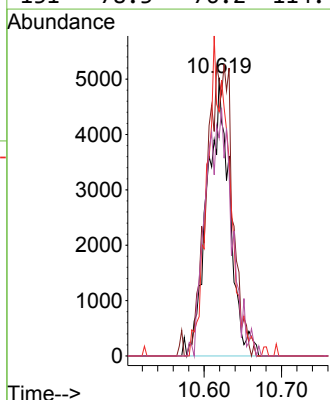
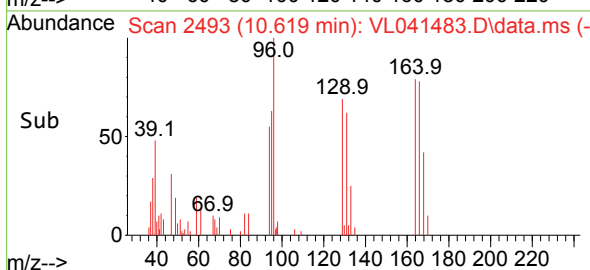
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024

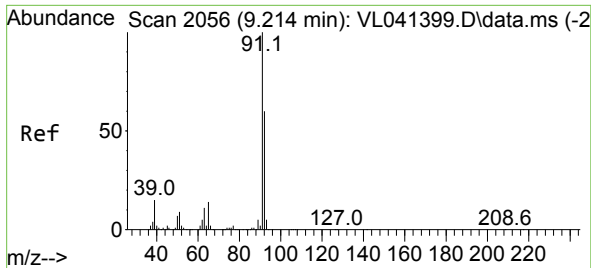


#52  
Tetrachloroethene  
Concen: 0.153 ppbv m  
RT: 10.619 min Scan# 2493  
Delta R.T. 0.006 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26



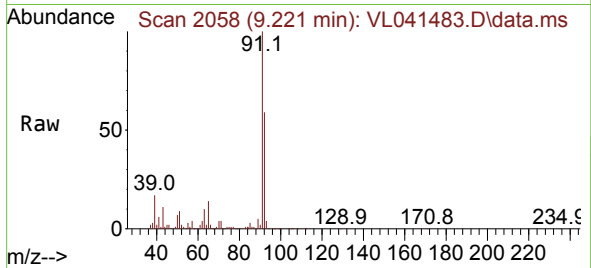
Tgt Ion:164 Resp: 10197  
Ion Ratio Lower Upper  
164 100  
166 99.3 101.1 151.7#  
129 87.8 81.7 122.5  
131 78.3 76.2 114.4





#53  
Toluene  
Concen: 4.852 ppbv  
RT: 9.221 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

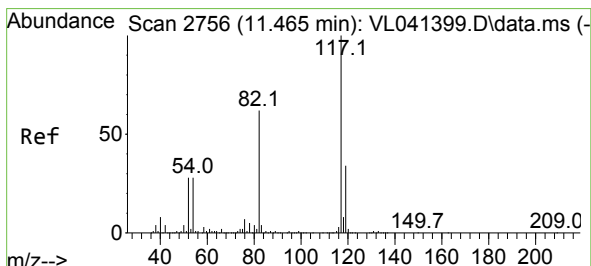
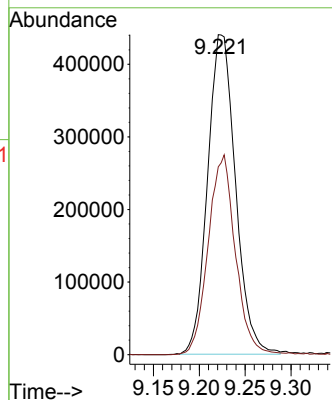
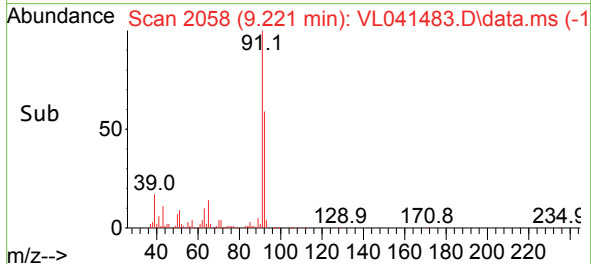
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



Tgt Ion: 91 Resp: 932632  
Ion Ratio Lower Upper  
91 100  
92 61.2 48.7 73.1

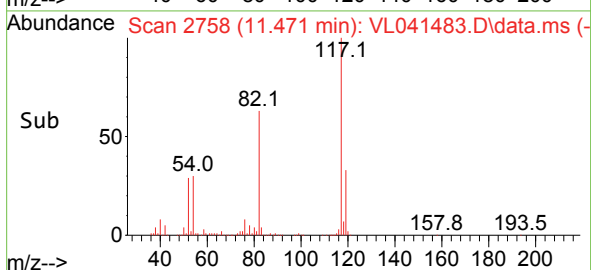
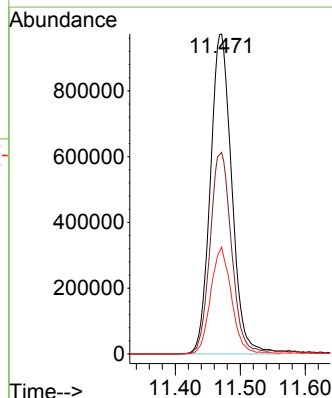
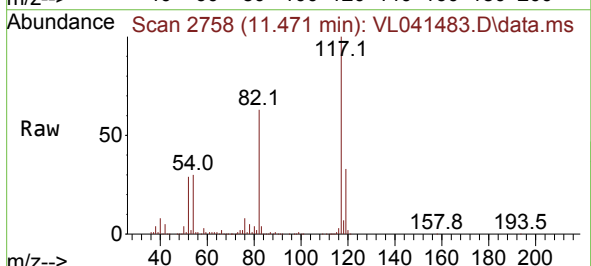
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024

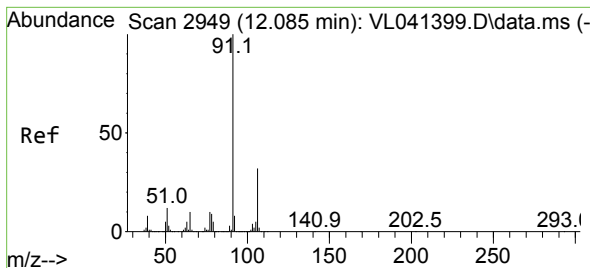


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.471 min Scan# 2758  
Delta R.T. 0.006 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

Tgt Ion:117 Resp: 2229211  
Ion Ratio Lower Upper  
117 100  
82 64.6 51.0 76.6  
119 32.5 45.2 67.8#

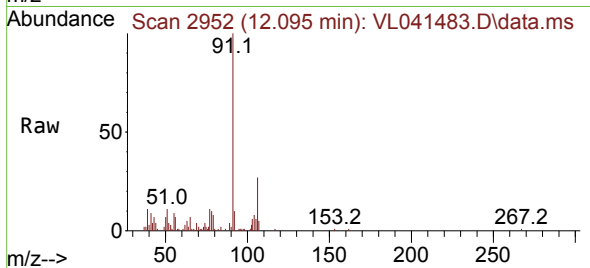






#58  
Ethyl Benzene  
Concen: 0.300 ppbv m  
RT: 12.095 min Scan# 2949  
Delta R.T. 0.010 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

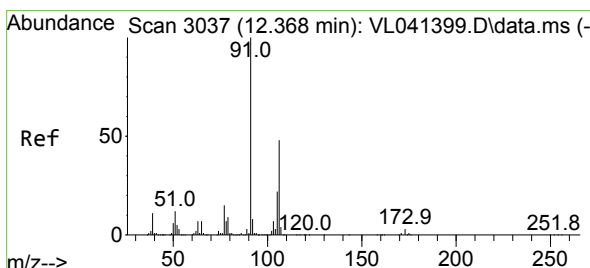
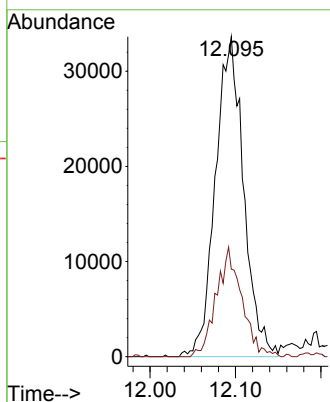
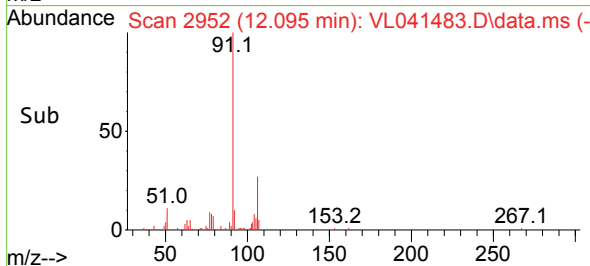
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



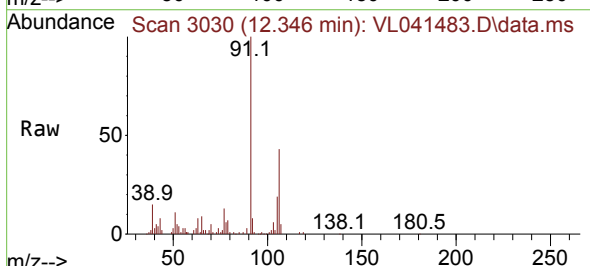
Tgt Ion: 91 Resp: 76990  
Ion Ratio Lower Upper  
91 100  
106 27.3 25.8 38.8

Manual Integrations  
APPROVED

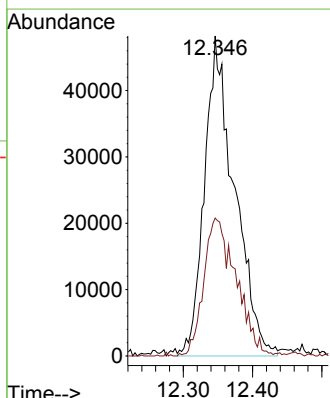
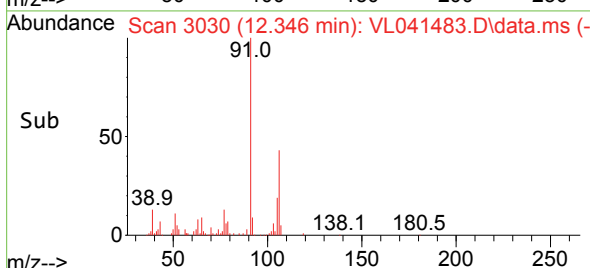
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024

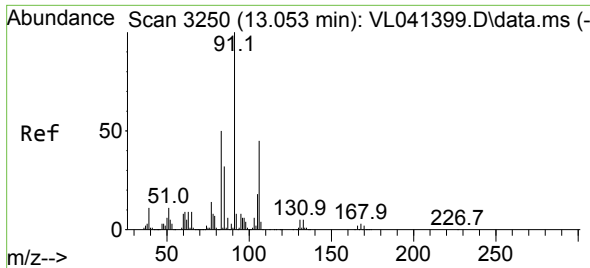


#59  
m/p-Xylene  
Concen: 0.653 ppbv m  
RT: 12.346 min Scan# 3030  
Delta R.T. -0.022 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26



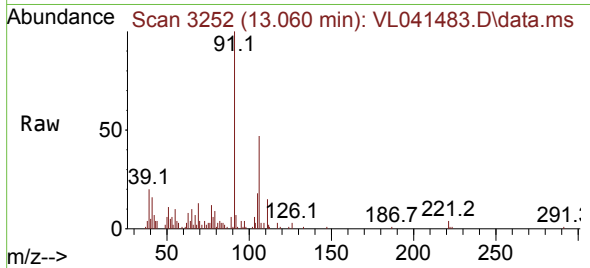
Tgt Ion: 91 Resp: 144761  
Ion Ratio Lower Upper  
91 100  
106 0.0 36.3 54.5





#60  
o-Xylene  
Concen: 0.305 ppbv m  
RT: 13.060 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

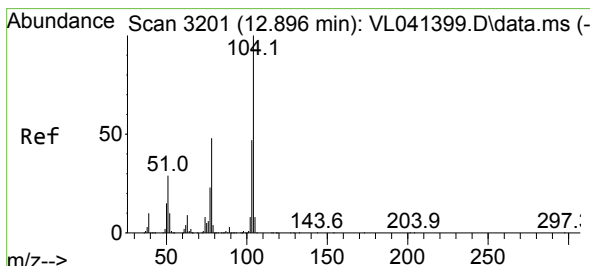
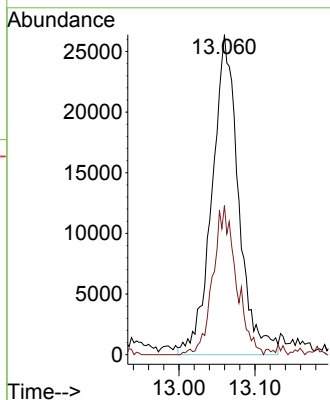
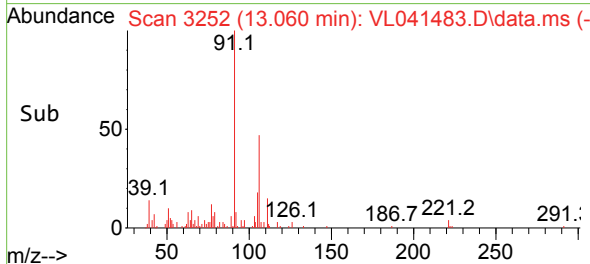
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



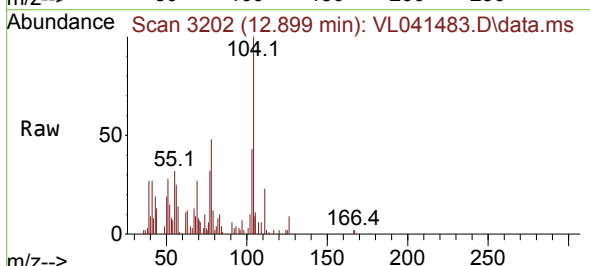
Tgt Ion: 91 Resp: 63970  
Ion Ratio Lower Upper  
91 100  
106 42.1 23.1 69.3

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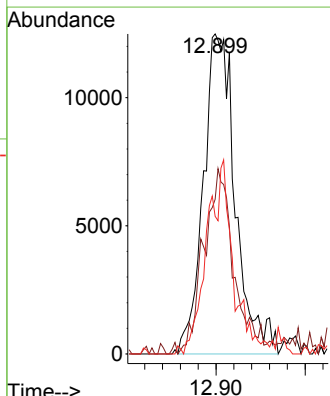
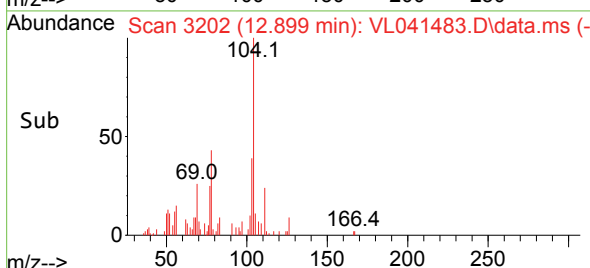
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024

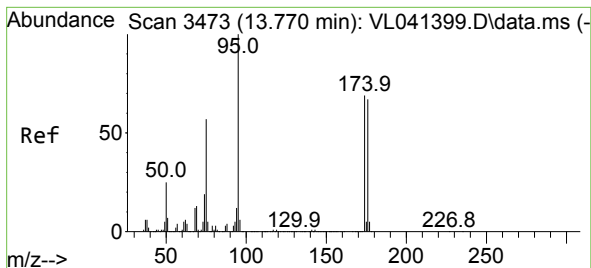


#61  
Styrene  
Concen: 0.330 ppbv m  
RT: 12.899 min Scan# 3202  
Delta R.T. 0.003 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26



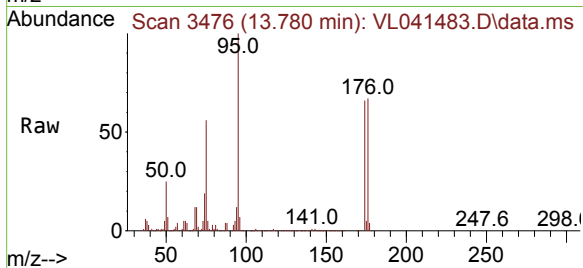
Tgt Ion:104 Resp: 31243  
Ion Ratio Lower Upper  
104 100  
78 55.3 40.8 61.2  
103 0.0 38.2 57.4#





#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.208 ppbv  
RT: 13.780 min Scan# 3476  
Delta R.T. 0.006 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

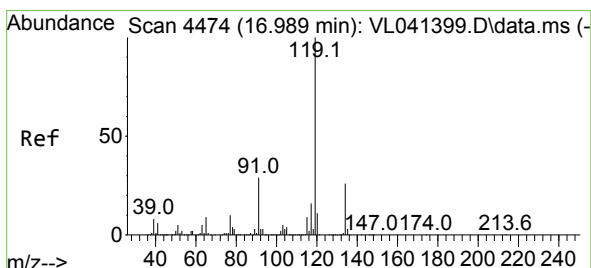
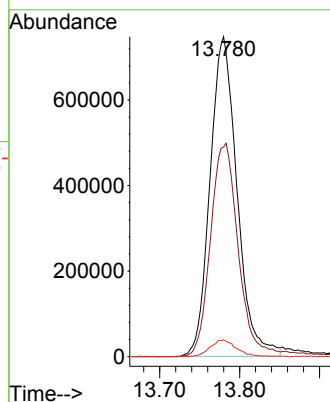
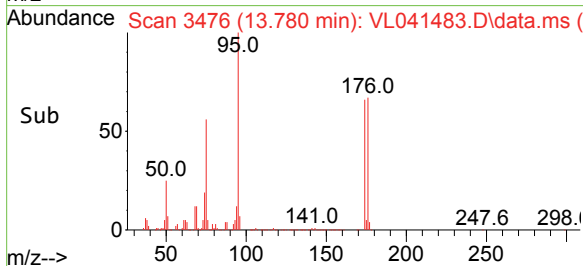
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



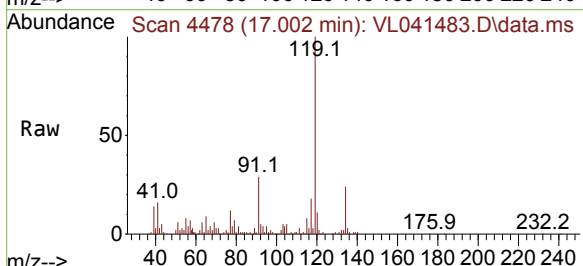
Tgt Ion: 95 Resp: 1751218  
Ion Ratio Lower Upper  
95 100  
174 70.9 56.3 84.5  
175 5.2 4.0 6.0

Manual Integrations  
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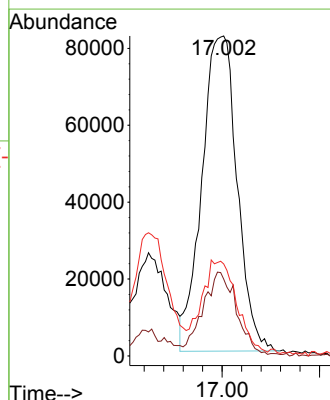
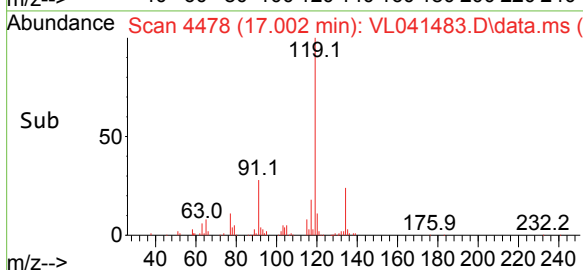
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024

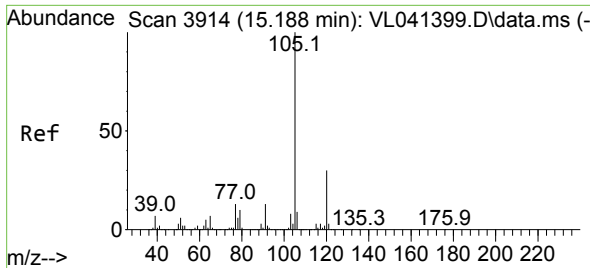


#69  
p-Isopropyltoluene  
Concen: 0.625 ppbv  
RT: 17.002 min Scan# 4478  
Delta R.T. 0.010 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26



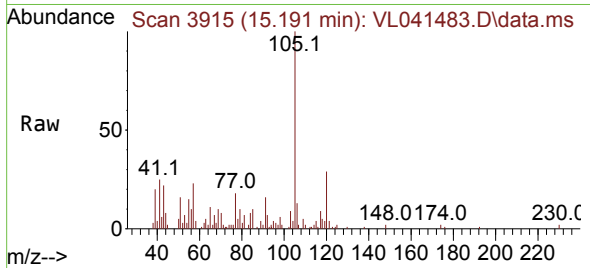
Tgt Ion:119 Resp: 205782  
Ion Ratio Lower Upper  
119 100  
134 26.6 20.5 30.7  
91 32.2 23.2 34.8





#72  
4-Ethyltoluene  
Concen: 0.201 ppbv m  
RT: 15.191 min Scan# 3915  
Delta R.T. 0.000 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

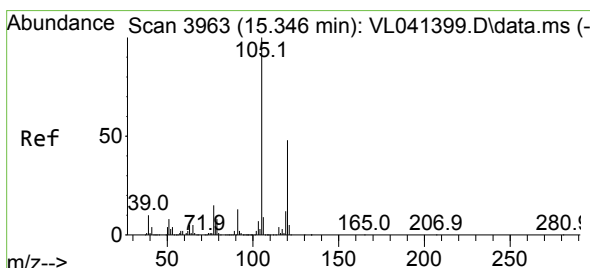
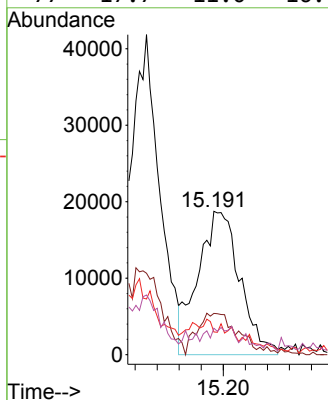
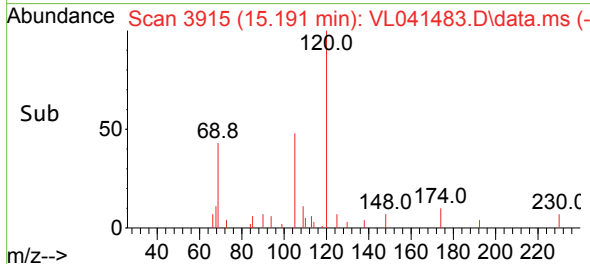
Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



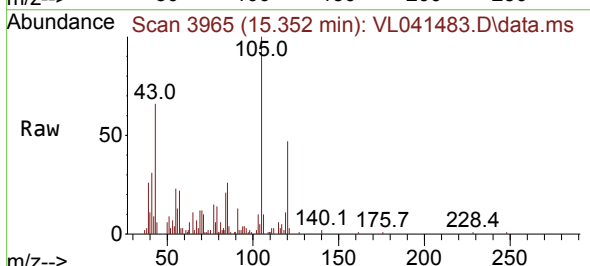
Tgt Ion:105 Resp: 4966  
Ion Ratio Lower Upper  
105 100  
120 0.0 24.2 36.2  
91 0.0 10.4 15.6  
77 17.7 11.0 16.4#

Manual Integrations  
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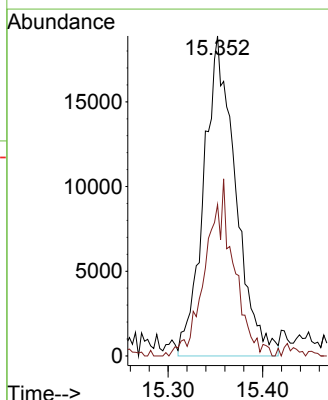
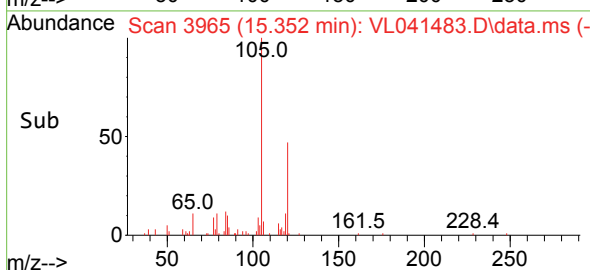
Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024

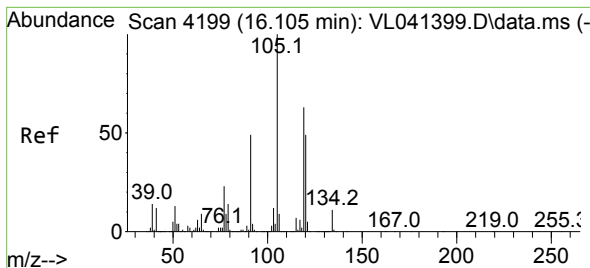


#73  
1,3,5-Trimethylbenzene  
Concen: 0.207 ppbv m  
RT: 15.352 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26



Tgt Ion:105 Resp: 44131  
Ion Ratio Lower Upper  
105 100  
120 47.3 38.6 57.8





#74

1,2,4-Trimethylbenzene

Concen: 0.526 ppbv m

RT: 16.105 min Scan# 4199

Delta R.T. -0.003 min

Lab File: VL041483.D

Acq: 1 Aug 2024 18:26

Instrument :

MSVOA\_L

ClientSampleId :

BASEMENT

Tgt Ion:105 Resp: 13010

Ion Ratio Lower Upper

105 100

120 36.2 39.5 59.3

91 15.9 39.8 59.8

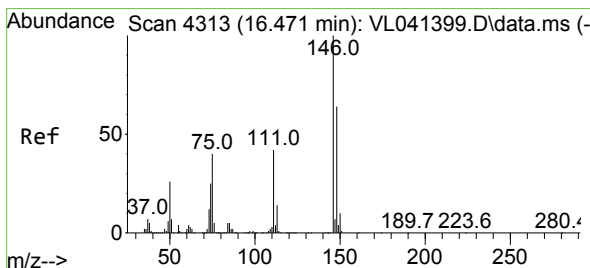
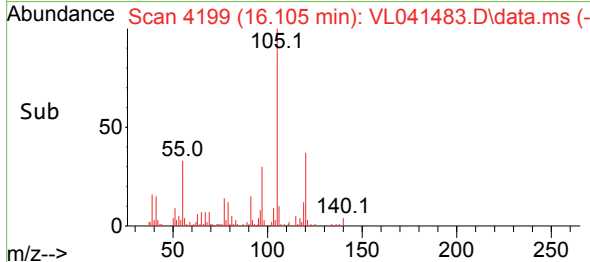
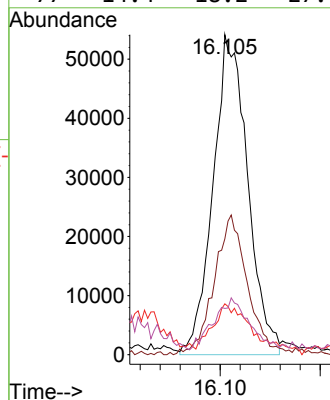
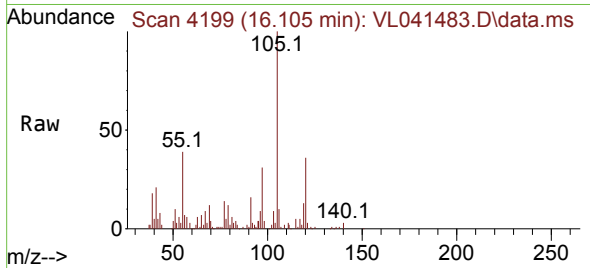
77 14.4 18.2 27.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/02/2024

Supervised By :Mahesh Dadoda 08/03/2024



#76

1,4-Dichlorobenzene

Concen: 0.186 ppbv m

RT: 16.478 min Scan# 4315

Delta R.T. 0.006 min

Lab File: VL041483.D

Acq: 1 Aug 2024 18:26

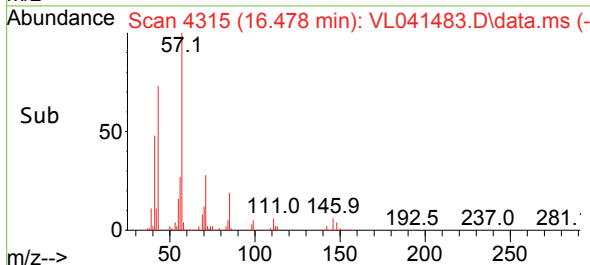
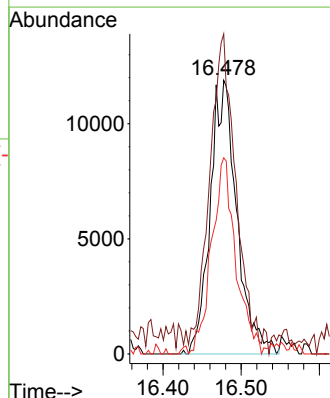
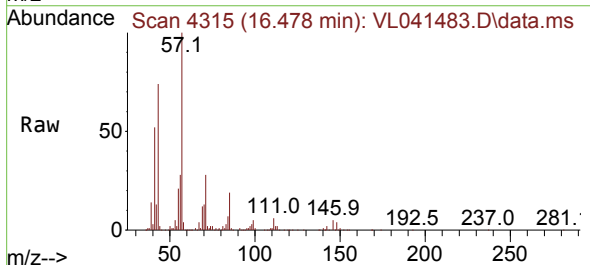
Tgt Ion:146 Resp: 28081

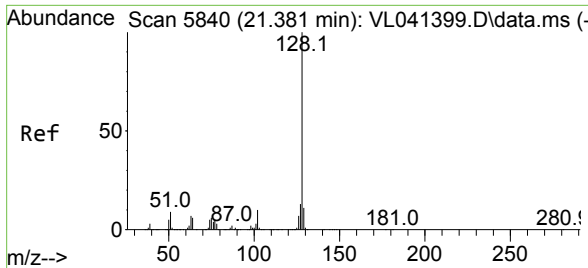
Ion Ratio Lower Upper

146 100

111 0.0 22.4 67.0

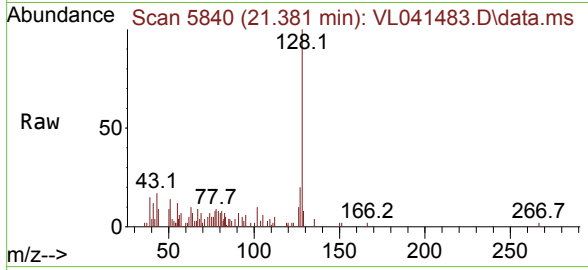
148 0.0 33.1 99.5





#79  
Naphthalene  
Concen: 0.175 ppbv m  
RT: 21.381 min Scan# 5840  
Delta R.T. 0.000 min  
Lab File: VL041483.D  
Acq: 1 Aug 2024 18:26

Instrument :  
MSVOA\_L  
ClientSampleId :  
BASEMENT



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 3822 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 20.0  | 10.3  | 15.5 |
| 129       | 8.2   | 9.0   | 13.4 |

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 08/02/2024  
Supervised By :Mahesh Dadoda 08/03/2024

