

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120621\  
 Data File : VX025563.D  
 Acq On : 06 Dec 2021 20:49  
 Operator : JC/MD  
 Sample : M4940-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-6

Quant Time: Dec 13 08:31:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/14/2021  
 Supervised By :Semsettin Yesilyurt 12/14/2021

| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 97154               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769          | 114  | 155517              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 138608              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 61689               | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964          | 65   | 55879               | 54.566 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = 109.140% |        |        |          |
| 35) Dibromofluoromethane    | 5.397          | 113  | 48010               | 50.314 | ug/l   | 0.01     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 100.620% |        |        |          |
| 50) Toluene-d8              | 8.653          | 98   | 181726              | 50.653 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = 101.300% |        |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 61511               | 45.320 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 90.640%  |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 11) Tert butyl alcohol      | 2.971          | 59   | 6365                | 16.786 | ug/l # | 72       |
| 16) Acetone                 | 2.386          | 43   | 4316                | 7.585  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether | 3.117          | 73   | 50003               | 15.937 | ug/l # | 62       |
| 25) 2-Butanone              | 4.568          | 43   | 1263                | 1.535  | ug/l   | 93       |
| 31) Cyclohexane             | 5.477          | 56   | 12359               | 7.810  | ug/l   | 90       |
| 39) Methylcyclohexane       | 7.385          | 83   | 7375                | 4.238  | ug/l   | 98       |
| 40) Benzene                 | 6.044          | 78   | 397353              | 96.674 | ug/l   | 100      |
| 52) Toluene                 | 8.720          | 92   | 65492               | 24.406 | ug/l   | 97       |
| 67) Ethyl Benzene           | 10.195         | 91   | 116237              | 23.813 | ug/l   | 97       |
| 68) m/p-Xylenes             | 10.305         | 106  | 40537               | 20.332 | ug/l   | 94       |
| 69) o-Xylene                | 10.646         | 106  | 13379               | 6.856  | ug/l   | 94       |
| 73) Isopropylbenzene        | 10.963         | 105  | 16381               | 3.726  | ug/l   | 100      |
| 78) n-propylbenzene         | 11.305         | 91   | 33429               | 6.774  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 8236                | 2.229  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene  | 11.756         | 105  | 86704               | 23.738 | ug/l   | 95       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 2288m               | 0.501  | ug/l   |          |
| 89) n-Butylbenzene          | 12.335         | 91   | 2876m               | 0.870  | ug/l   |          |
| 95) Naphthalene             | 13.780         | 128  | 49904               | 11.702 | ug/l   | 99       |
| -----                       |                |      |                     |        |        |          |

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

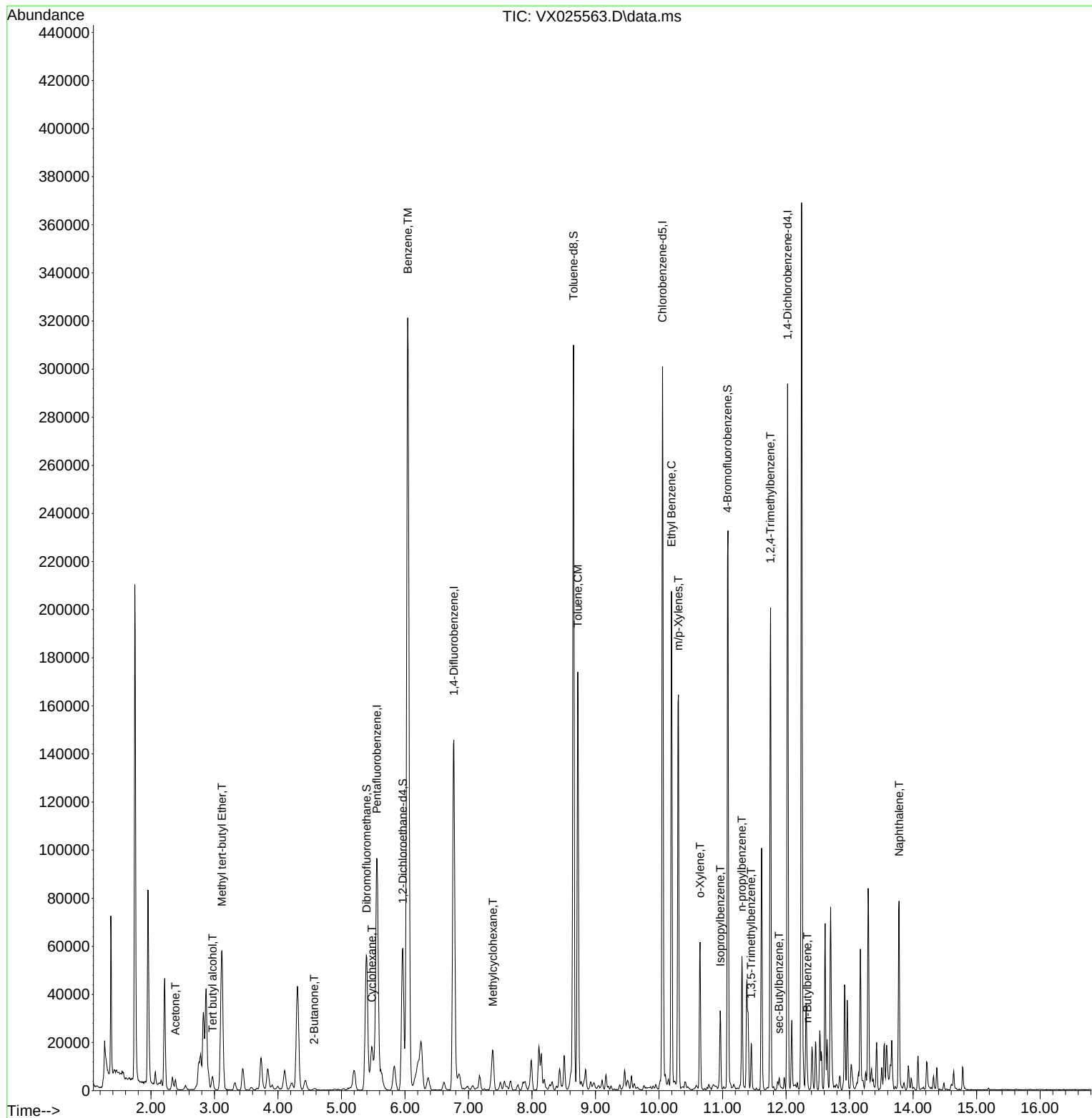
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120621\  
Data File : VX025563.D  
Acq On : 06 Dec 2021 20:49  
Operator : JC/MD  
Sample : M4940-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 28 Sample Multiplier: 1

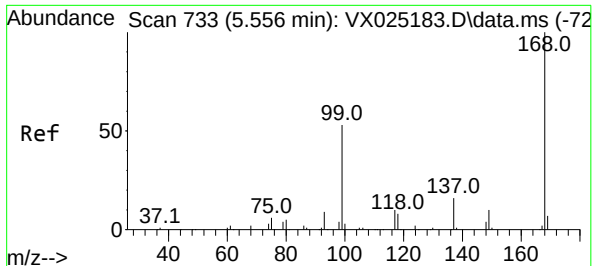
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6

Quant Time: Dec 13 08:31:04 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 17 15:36:16 2021  
Response via : Initial Calibration

Manual Integrations  
APPROVED

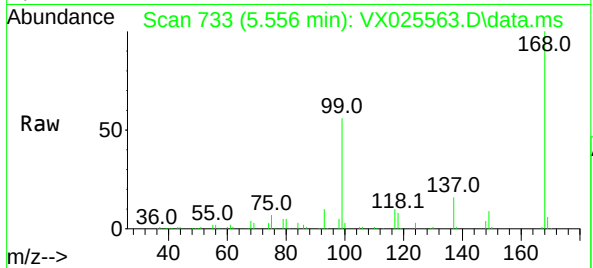
Reviewed By :Mahesh Dadoda 12/14/2021  
Supervised By :Semsettin Yesilyurt 12/14/2021





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 715  
Delta R.T. -0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

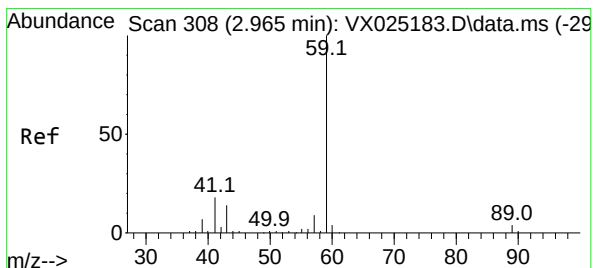
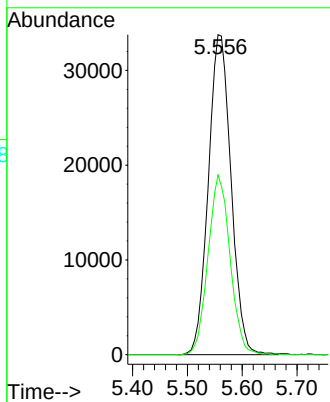
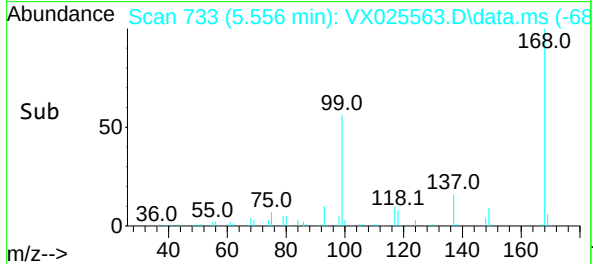
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6



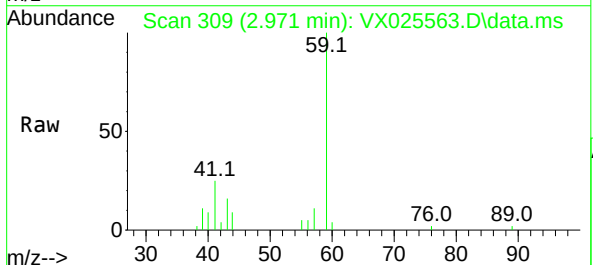
Tgt Ion:168 Resp: 97154  
Ion Ratio Lower Upper  
168 100  
99 56.1 46.4 69.6

Manual Integrations  
APPROVED

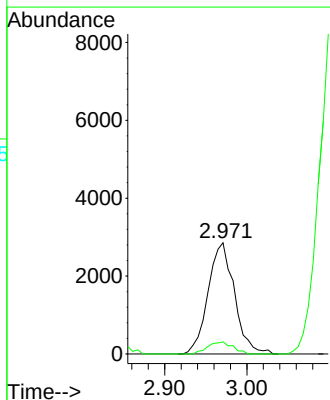
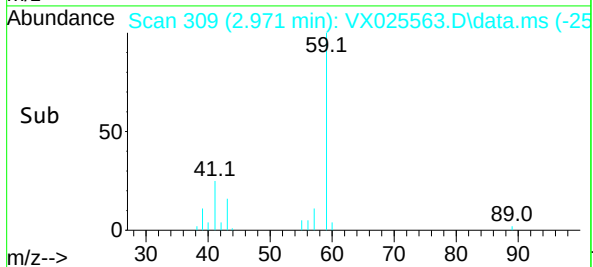
Reviewed By :Mahesh Dadoda 12/14/2021  
Supervised By :Semsettin Yesilyurt 12/14/2021

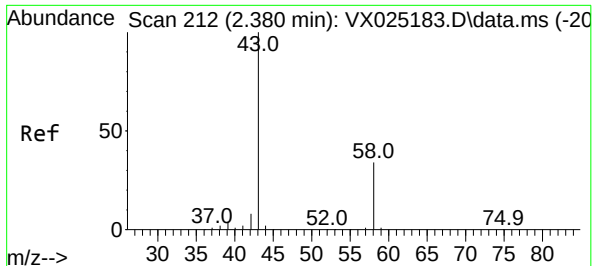


#11  
Tert butyl alcohol  
Concen: 16.786 ug/l  
RT: 2.971 min Scan# 309  
Delta R.T. 0.006 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49



Tgt Ion: 59 Resp: 6365  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#





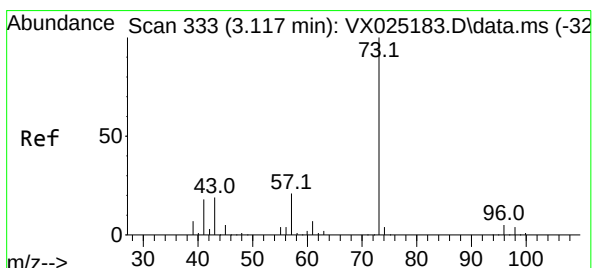
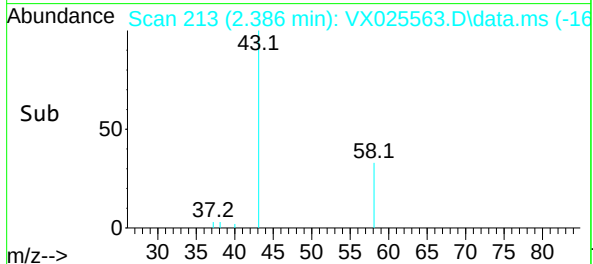
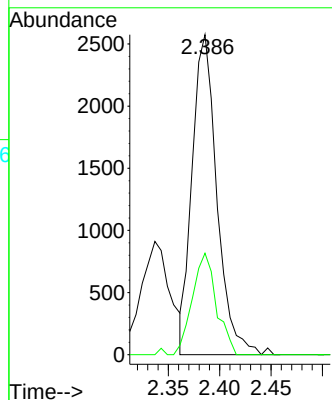
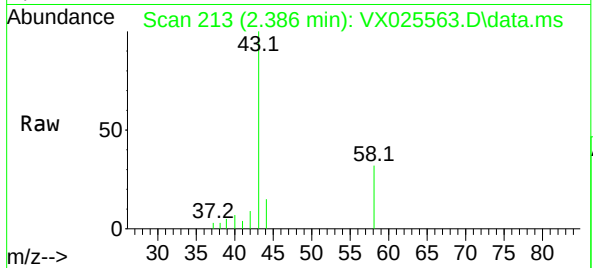
#16  
Acetone  
Concen: 7.585 ug/l  
RT: 2.386 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6

Tgt Ion: 43 Resp: 4310  
Ion Ratio Lower Upper  
43 100  
58 31.7 24.0 36.0

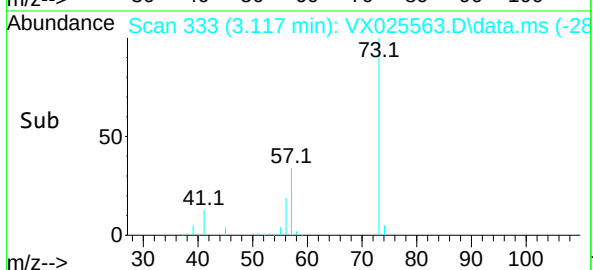
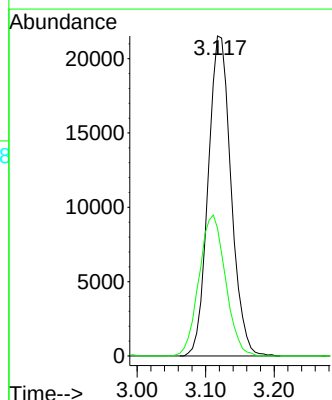
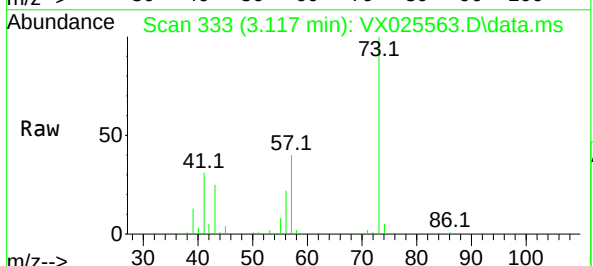
Manual Integrations  
APPROVED

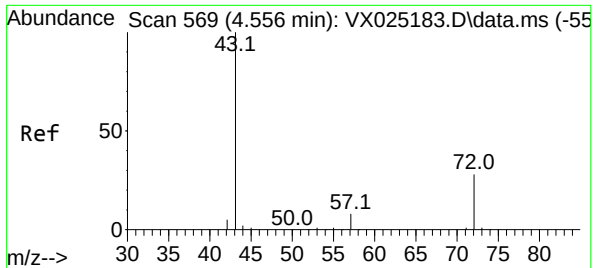
Reviewed By :Mahesh Dadoda 12/14/2021  
Supervised By :Semsettin Yesilyurt 12/14/2021



#19  
Methyl tert-butyl Ether  
Concen: 15.937 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

Tgt Ion: 73 Resp: 50003  
Ion Ratio Lower Upper  
73 100  
57 40.0 17.5 26.3#





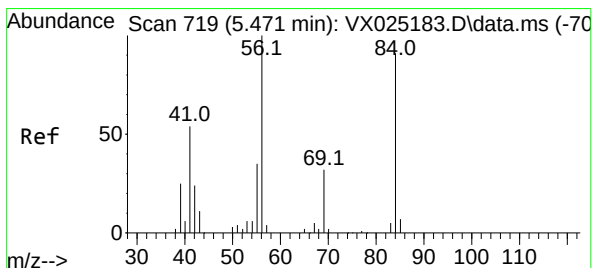
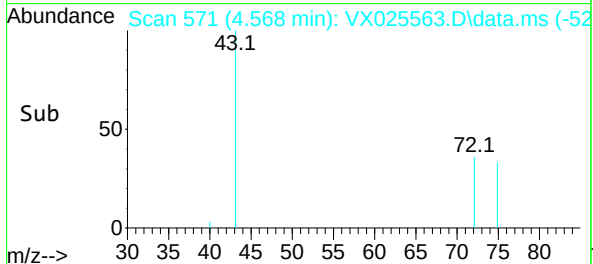
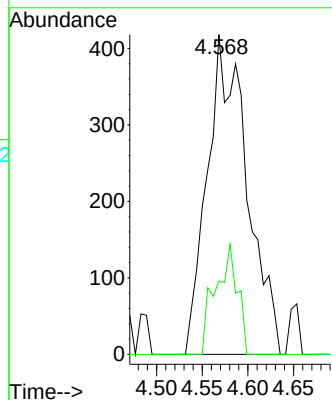
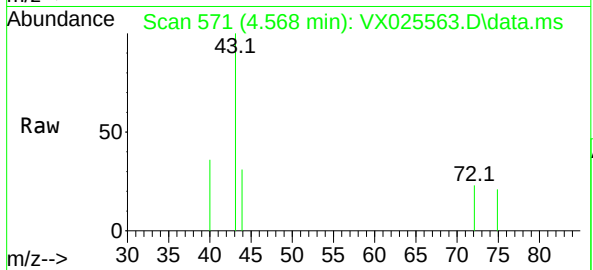
#25  
2-Butanone  
Concen: 1.535 ug/l  
RT: 4.568 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6

Tgt Ion: 43 Resp: 126  
Ion Ratio Lower Upper  
43 100  
72 23.0 21.2 31.8

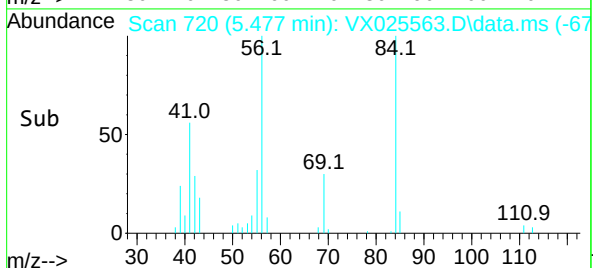
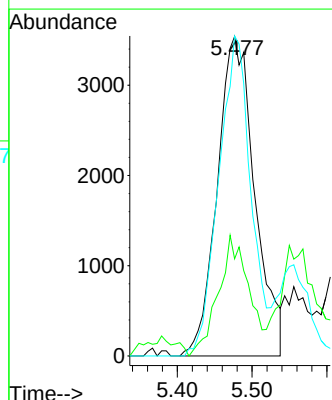
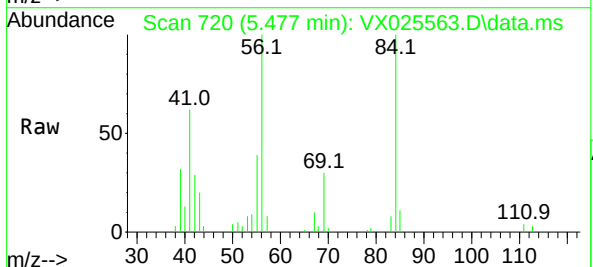
Manual Integrations  
APPROVED

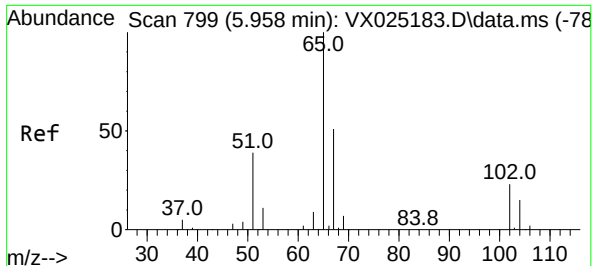
Reviewed By :Mahesh Dadoda 12/14/2021  
Supervised By :Semsettin Yesilyurt 12/14/2021



#31  
Cyclohexane  
Concen: 7.810 ug/l  
RT: 5.477 min Scan# 720  
Delta R.T. 0.006 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

Tgt Ion: 56 Resp: 12359  
Ion Ratio Lower Upper  
56 100  
69 26.3 24.2 36.2  
84 100.1 71.5 107.3





#33

1,2-Dichloroethane-d4

Concen: 54.566 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX025563.D

Acq: 06 Dec 2021 20:49

Instrument :

MSVOA\_X

ClientSampleId :

MW-6

Tgt Ion: 65 Resp: 55879

Ion Ratio Lower Upper

65 100

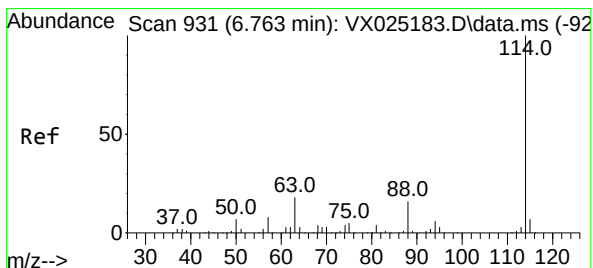
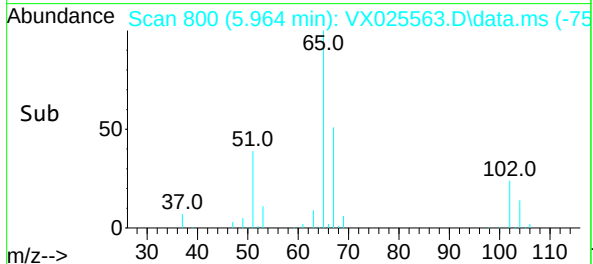
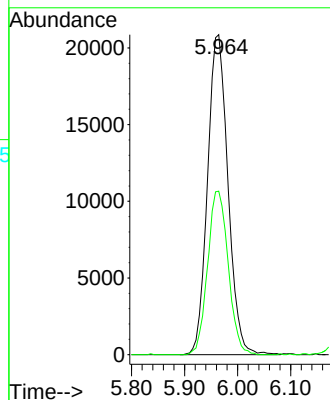
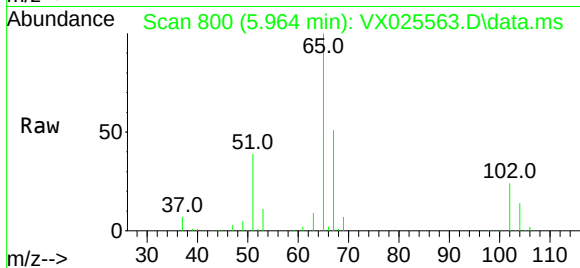
67 51.5 0.0 101.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/14/2021

Supervised By :Semsettin Yesilyurt 12/14/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX025563.D

Acq: 06 Dec 2021 20:49

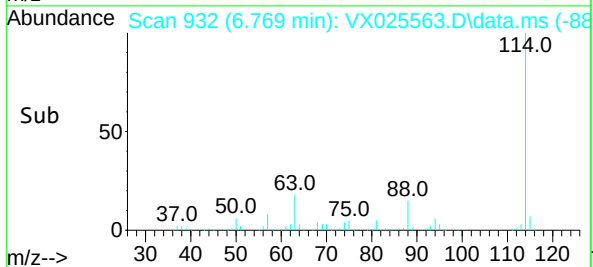
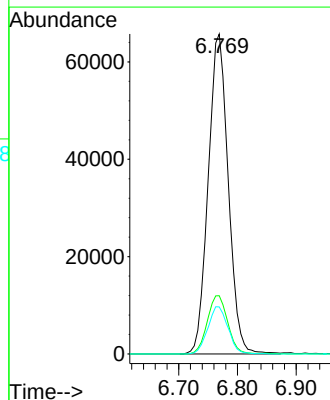
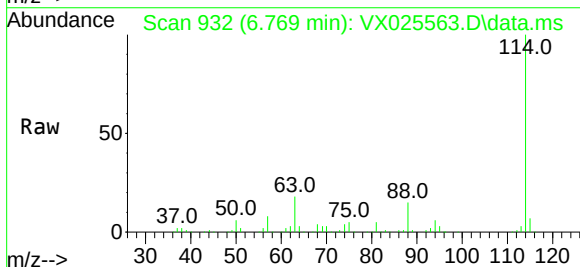
Tgt Ion:114 Resp: 155517

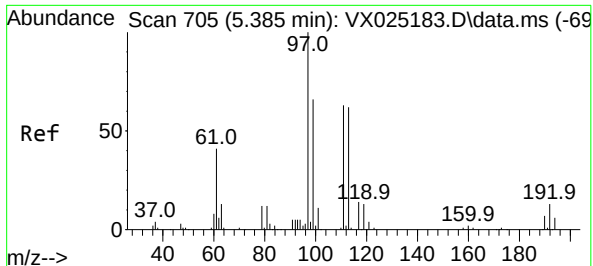
Ion Ratio Lower Upper

114 100

63 18.2 0.0 41.0

88 14.7 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.314 ug/l

RT: 5.397 min Scan# 705

Delta R.T. 0.012 min

Lab File: VX025563.D

Acq: 06 Dec 2021 20:49

Instrument :

MSVOA\_X

ClientSampleId :

MW-6

Tgt Ion:113 Resp: 48010

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

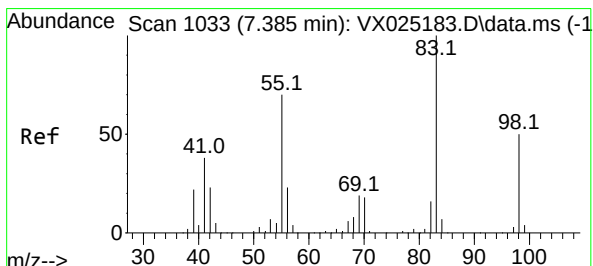
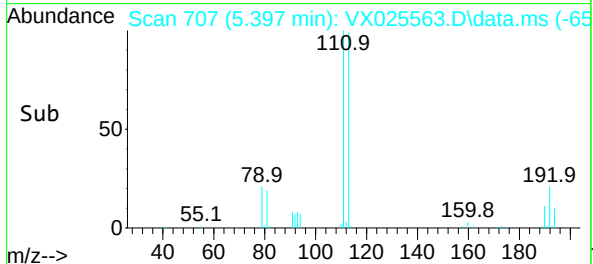
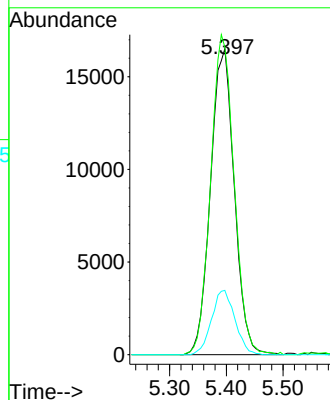
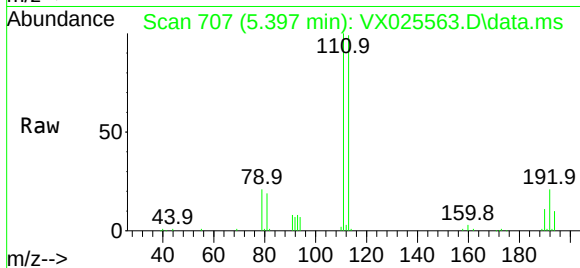
192 20.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/14/2021

Supervised By :Semsettin Yesilyurt 12/14/2021



#39

Methylcyclohexane

Concen: 4.238 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX025563.D

Acq: 06 Dec 2021 20:49

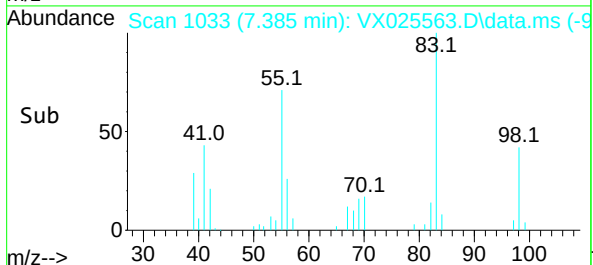
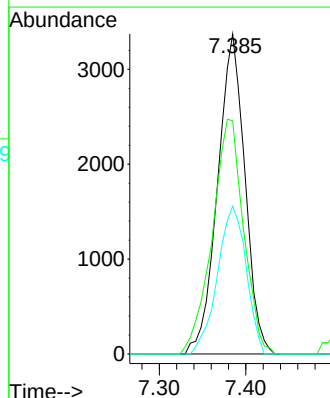
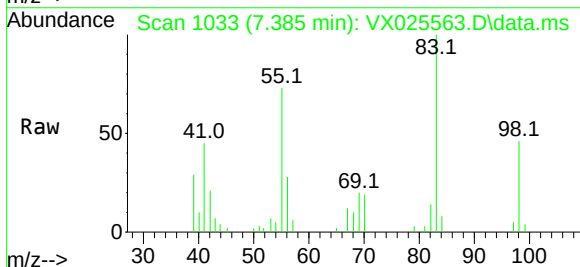
Tgt Ion: 83 Resp: 7375

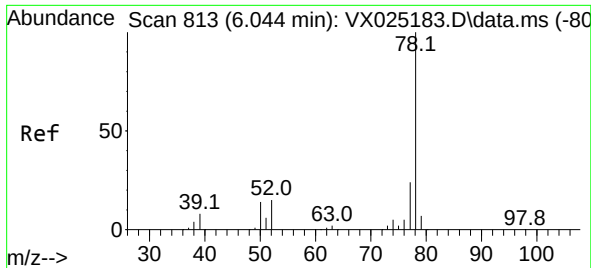
Ion Ratio Lower Upper

83 100

55 72.8 60.8 91.2

98 46.2 37.0 55.4





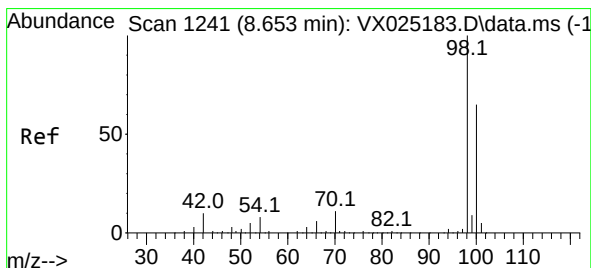
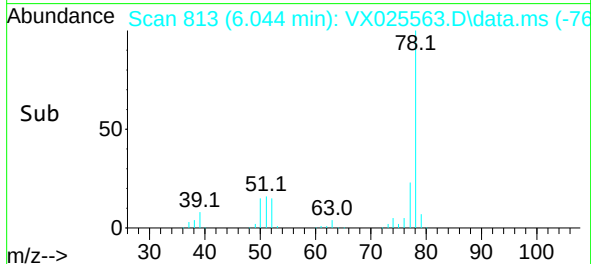
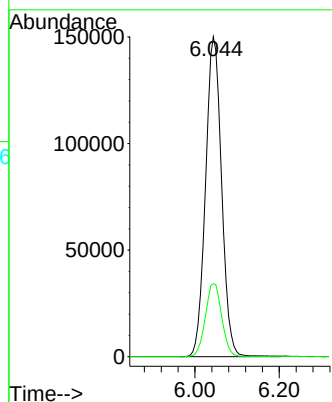
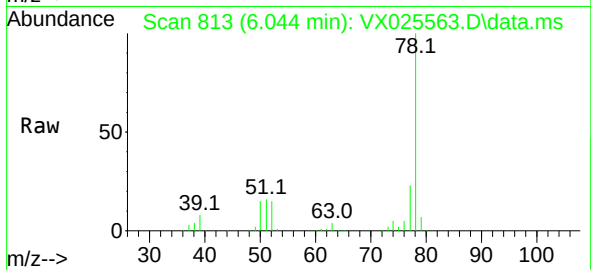
#40  
Benzene  
Concen: 96.674 ug/l  
RT: 6.044 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6

Tgt Ion: 78 Resp: 39735  
Ion Ratio Lower Upper  
78 100  
77 22.8 18.3 27.5

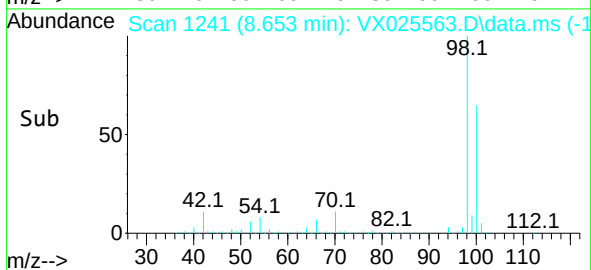
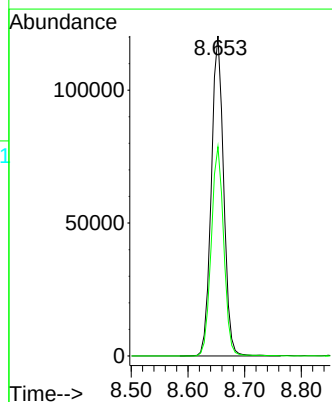
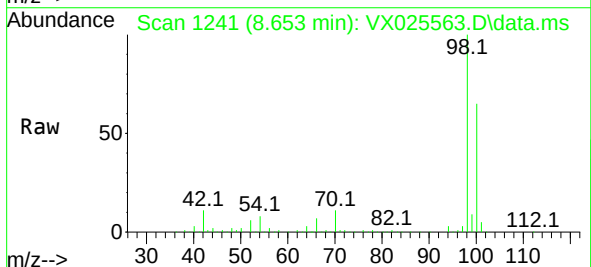
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 12/14/2021  
Supervised By :Semsettin Yesilyurt 12/14/2021

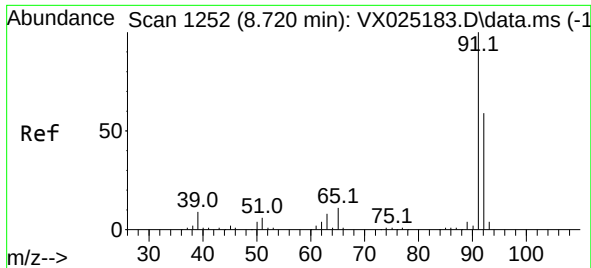


#50  
Toluene-d8  
Concen: 50.653 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

Tgt Ion: 98 Resp: 181726  
Ion Ratio Lower Upper  
98 100  
100 66.2 51.4 77.0

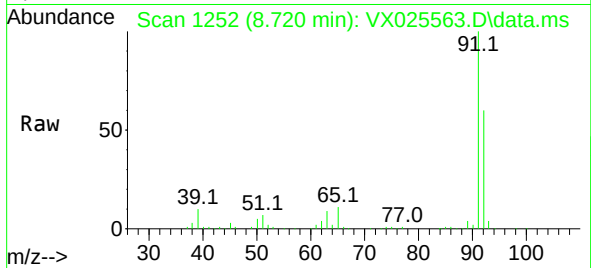






#52  
Toluene  
Concen: 24.406 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

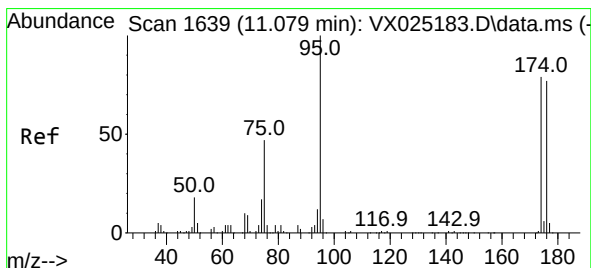
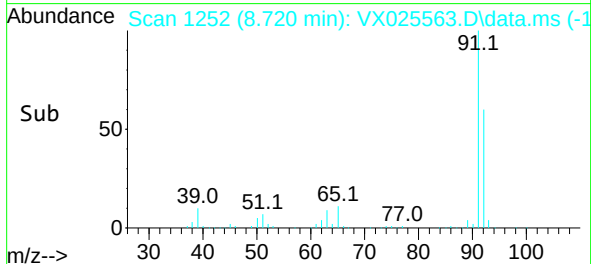
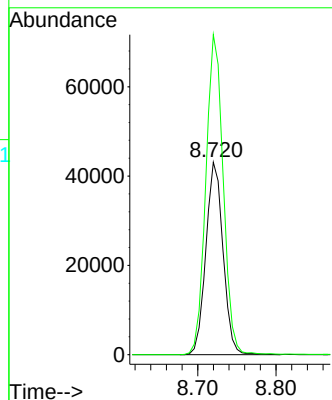
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6



Tgt Ion: 92 Resp: 65492  
Ion Ratio Lower Upper  
92 100  
91 168.7 138.6 208.0

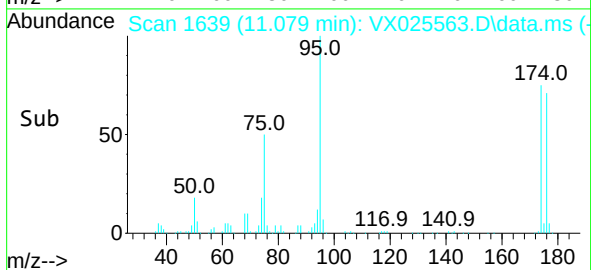
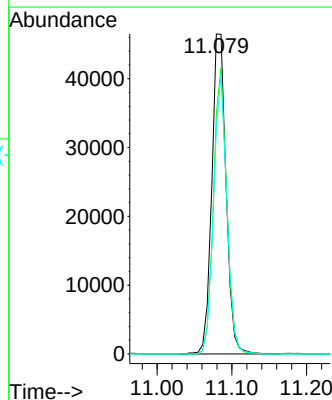
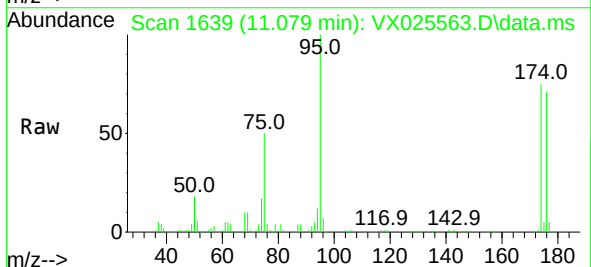
Manual Integrations  
APPROVED

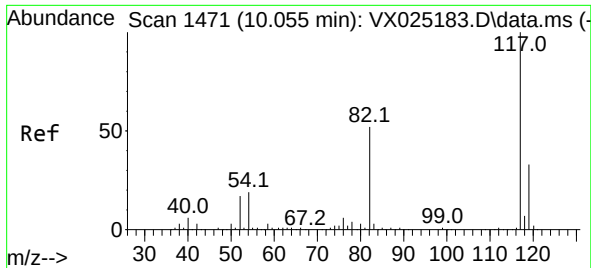
Reviewed By :Mahesh Dadoda 12/14/2021  
Supervised By :Semsettin Yesilyurt 12/14/2021



#62  
4-Bromofluorobenzene  
Concen: 45.320 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

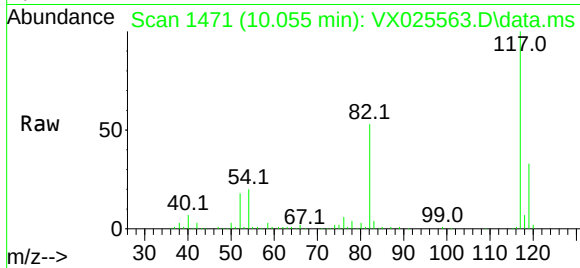
Tgt Ion: 95 Resp: 61511  
Ion Ratio Lower Upper  
95 100  
174 83.7 0.0 158.0  
176 81.1 0.0 153.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

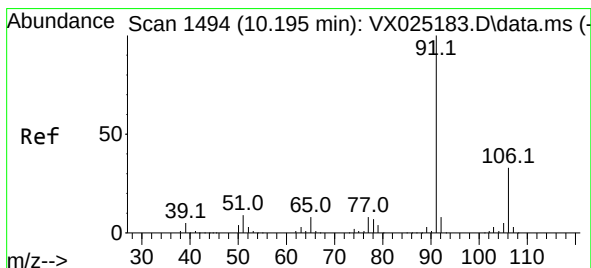
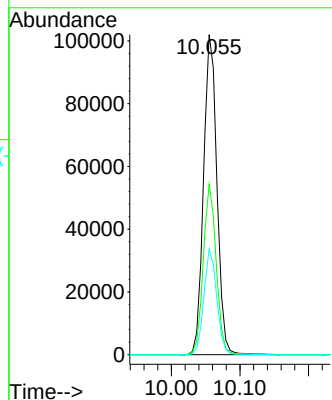
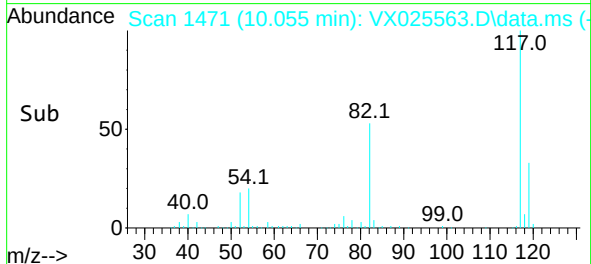
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6



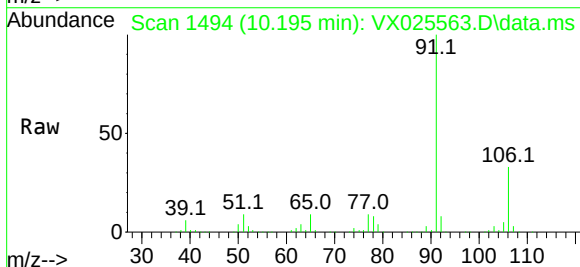
Tgt Ion:117 Resp: 138608  
Ion Ratio Lower Upper  
117 100  
82 53.3 44.6 67.0  
119 33.0 24.8 37.2

Manual Integrations  
APPROVED

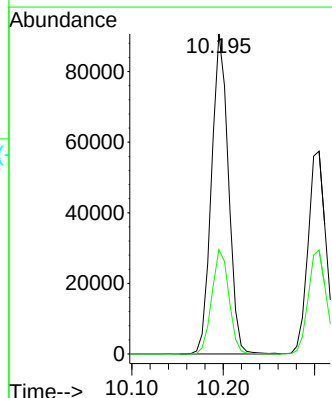
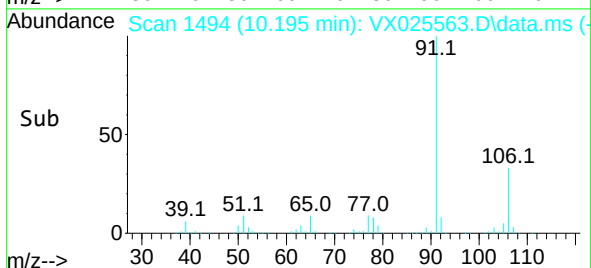
Reviewed By :Mahesh Dadoda 12/14/2021  
Supervised By :Semsettin Yesilyurt 12/14/2021

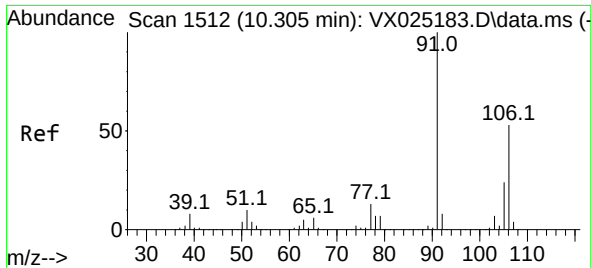


#67  
Ethyl Benzene  
Concen: 23.813 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49



Tgt Ion: 91 Resp: 116237  
Ion Ratio Lower Upper  
91 100  
106 32.6 24.7 37.1





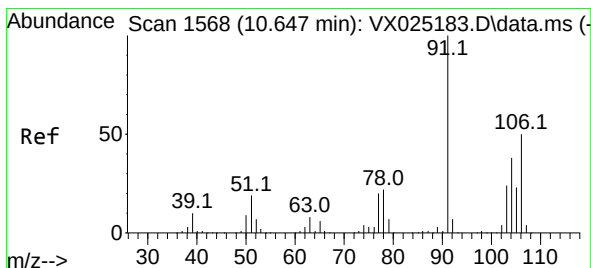
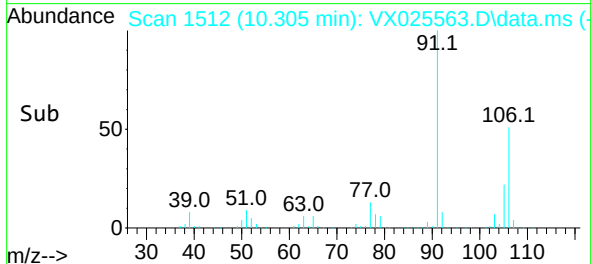
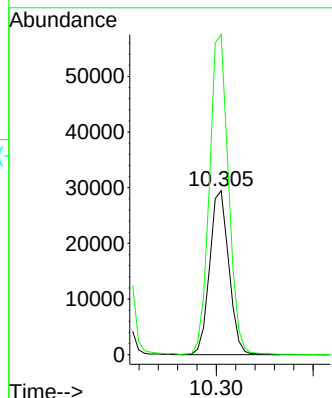
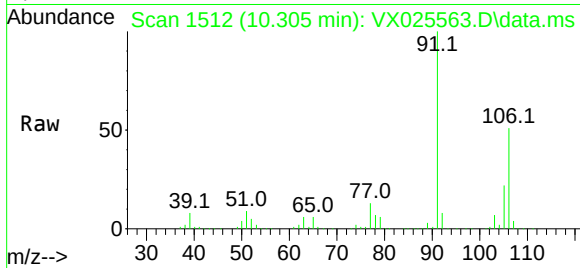
#68  
m/p-Xylenes  
Concen: 20.332 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6

Tgt Ion:106 Resp: 4053  
Ion Ratio Lower Upper  
106 100  
91 195.1 163.4 245.0

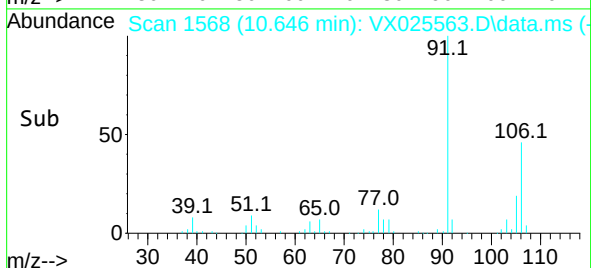
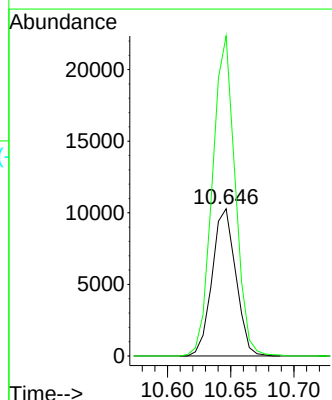
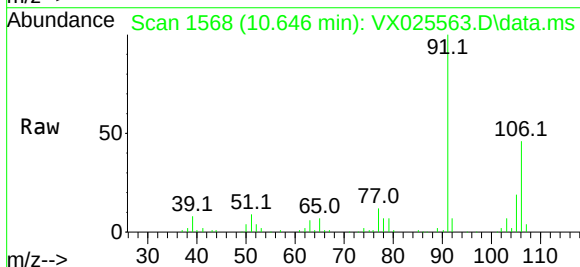
Manual Integrations  
APPROVED

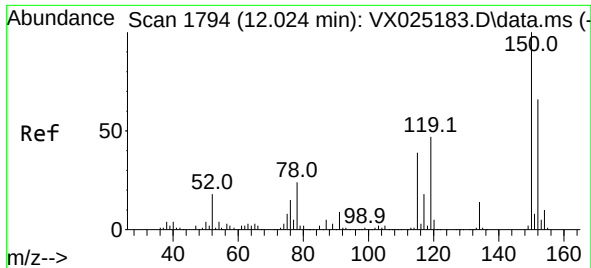
Reviewed By :Mahesh Dadoda 12/14/2021  
Supervised By :Semsettin Yesilyurt 12/14/2021



#69  
o-Xylene  
Concen: 6.856 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. -0.001 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

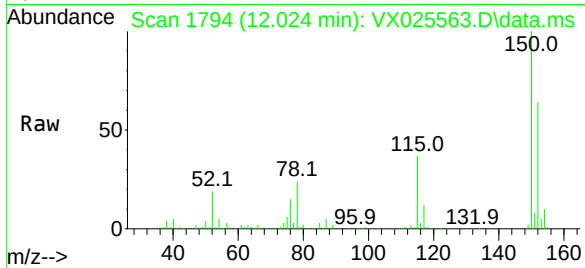
Tgt Ion:106 Resp: 13379  
Ion Ratio Lower Upper  
106 100  
91 208.8 109.5 328.4





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

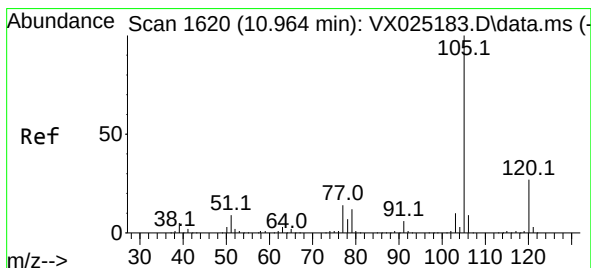
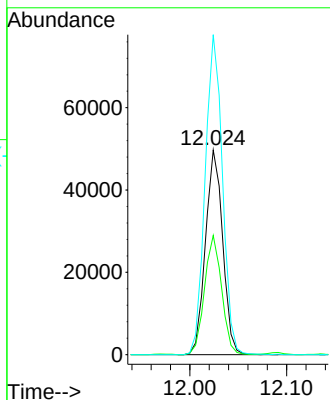
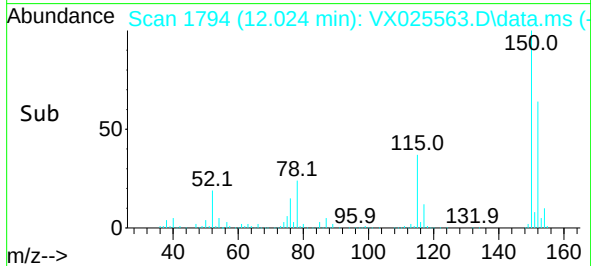
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6



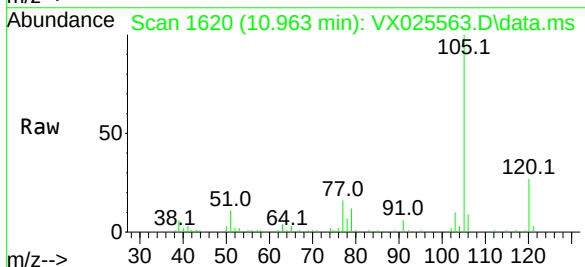
Tgt Ion:152 Resp: 61689  
Ion Ratio Lower Upper  
152 100  
115 57.8 43.3 129.8  
150 157.3 0.0 351.2

Manual Integrations  
APPROVED

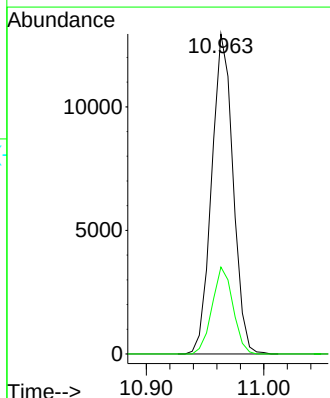
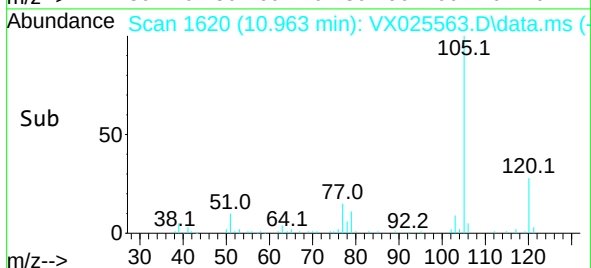
Reviewed By :Mahesh Dadoda 12/14/2021  
Supervised By :Semsettin Yesilyurt 12/14/2021

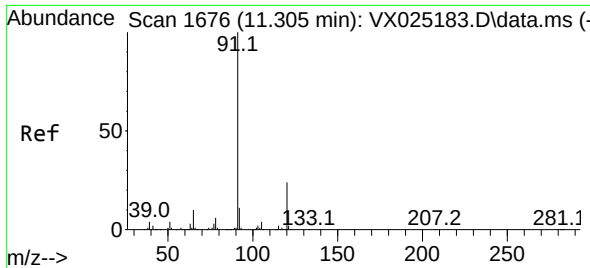


#73  
Isopropylbenzene  
Concen: 3.726 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. -0.001 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49



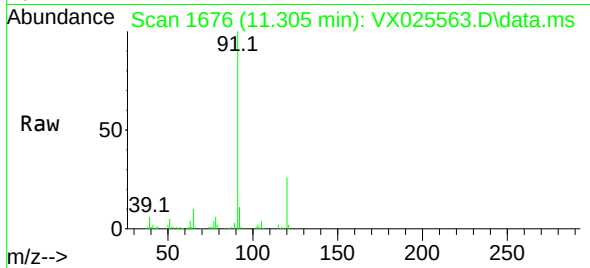
Tgt Ion:105 Resp: 16381  
Ion Ratio Lower Upper  
105 100  
120 26.5 13.3 39.8





#78  
n-propylbenzene  
Concen: 6.774 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

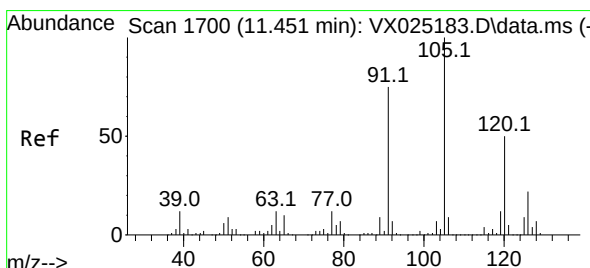
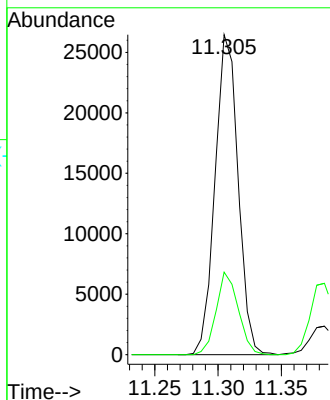
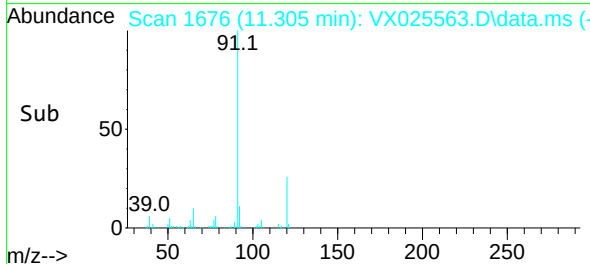
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6



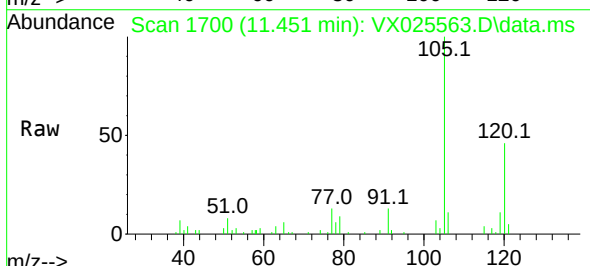
Tgt Ion: 91 Resp: 33429  
Ion Ratio Lower Upper  
91 100  
120 24.8 11.7 35.0

Manual Integrations  
APPROVED

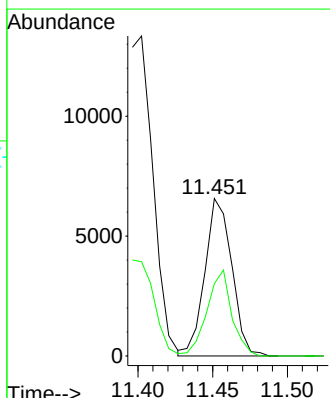
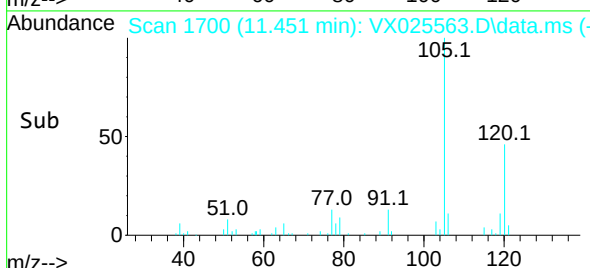
Reviewed By :Mahesh Dadoda 12/14/2021  
Supervised By :Semsettin Yesilyurt 12/14/2021

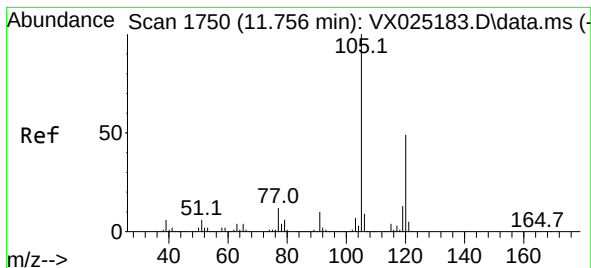


#80  
1,3,5-Trimethylbenzene  
Concen: 2.229 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49



Tgt Ion:105 Resp: 8236  
Ion Ratio Lower Upper  
105 100  
120 50.1 23.8 71.5





#84

1,2,4-Trimethylbenzene

Concen: 23.738 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX025563.D

Acq: 06 Dec 2021 20:49

Instrument :

MSVOA\_X

ClientSampleId :

MW-6

Tgt Ion:105 Resp: 86704

Ion Ratio Lower Upper

105 100

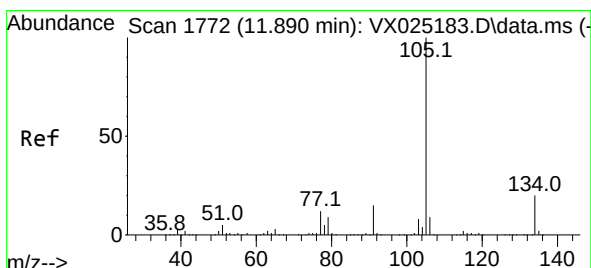
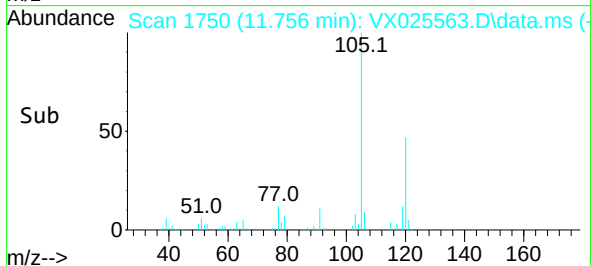
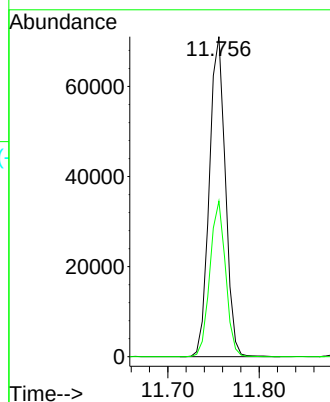
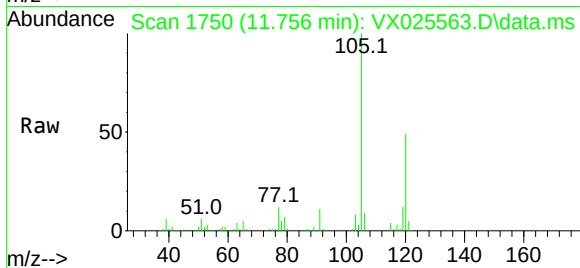
120 47.4 22.1 66.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/14/2021

Supervised By :Semsettin Yesilyurt 12/14/2021



#85

sec-Butylbenzene

Concen: 0.501 ug/l m

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX025563.D

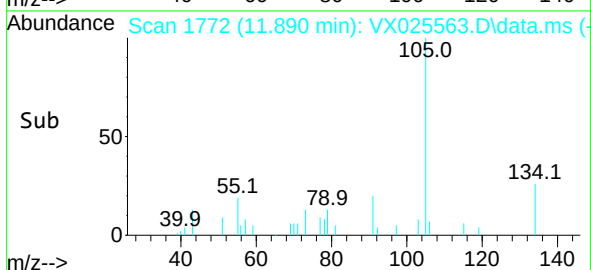
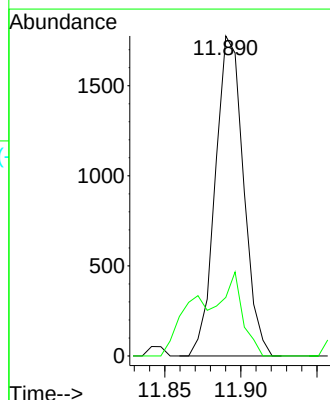
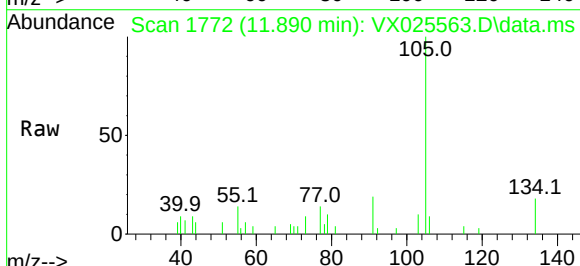
Acq: 06 Dec 2021 20:49

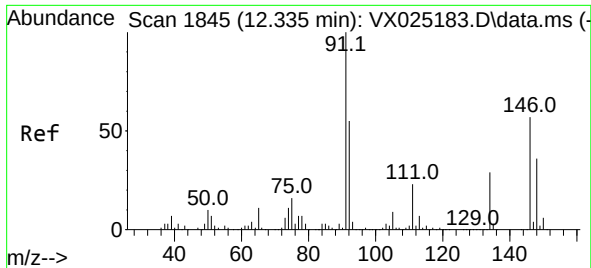
Tgt Ion:105 Resp: 2288

Ion Ratio Lower Upper

105 100

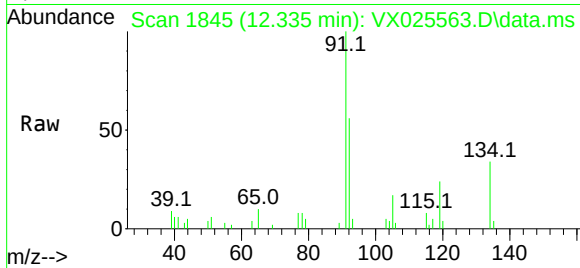
134 0.0 10.2 30.4#





#89  
n-Butylbenzene  
Concen: 0.870 ug/l m  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49

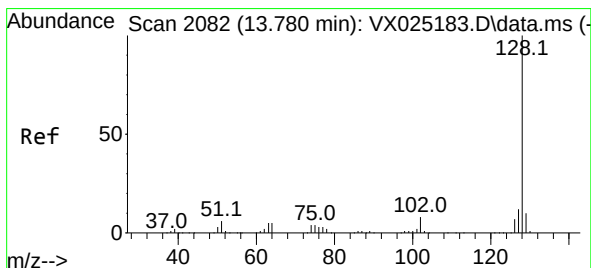
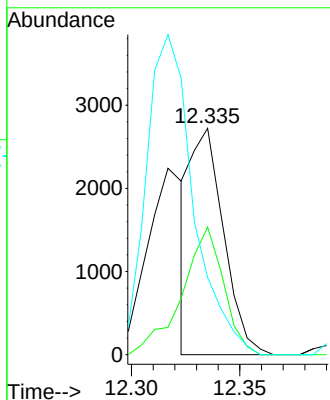
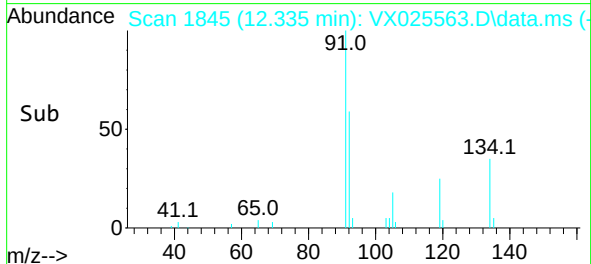
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6



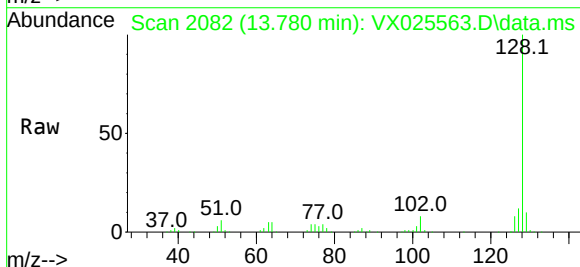
Tgt Ion: 91 Resp: 2870  
Ion Ratio Lower Upper  
91 100  
92 71.4 26.3 78.8  
134 202.5 13.0 38.9

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 12/14/2021  
Supervised By :Semsettin Yesilyurt 12/14/2021



#95  
Naphthalene  
Concen: 11.702 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX025563.D  
Acq: 06 Dec 2021 20:49



Tgt Ion:128 Resp: 49904  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.3 15.5  
129 11.4 8.8 13.2

