

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110121\  
 Data File : VU045486.D  
 Acq On : 01 Nov 2021 13:30  
 Operator : SY/MD  
 Sample : MDL05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL05

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021  
 Supervised By :Semsettin Yesilyurt 11/09/2021

Quant Time: Nov 02 02:46:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM102821WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 02 02:33:37 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 287540     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 280065     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816         | 152  | 136939     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 93746      | 40.057   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 80.120%  |        |          |
| 7) Chloroethane-d5            | 1.916          | 69   | 86099      | 45.907   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 91.820%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.572          | 63   | 139273     | 33.508   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 67.020%  |        |          |
| 21) 2-Butanone-d5             | 4.629          | 46   | 223243     | 113.985  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 113.980% |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 197160     | 46.958   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.920%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.707          | 65   | 139171     | 50.126   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 100.260% |        |          |
| 32) Benzene-d6                | 5.732          | 84   | 403408     | 46.610   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.220%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 136189     | 48.610   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 97.220%  |        |          |
| 41) Toluene-d8                | 7.903          | 98   | 351914     | 46.609   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 93.220%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 63863      | 48.517   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 97.040%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 155409     | 103.920  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 103.920% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 207948     | 49.460   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 98.920%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 134883     | 48.686   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.380%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385          | 85   | 5738       | 2.258    | ug/L   | 98       |
| 3) Chloromethane              | 1.520          | 50   | 8036       | 2.620    | ug/L   | 95       |
| 5) Vinyl chloride             | 1.604          | 62   | 7354       | 2.550    | ug/L # | 76       |
| 6) Bromomethane               | 1.861          | 94   | 3811       | 2.567    | ug/L   | 95       |
| 8) Chloroethane               | 1.935          | 64   | 4655       | 2.732    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.141          | 101  | 8117       | 2.378    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581          | 101  | 6292       | 3.025    | ug/L # | 81       |
| 12) 1,1-Dichloroethene        | 2.585          | 96   | 5711       | 2.910    | ug/L # | 1        |
| 13) Acetone                   | 2.646          | 43   | 8960       | 5.578    | ug/L   | 97       |
| 14) Carbon disulfide          | 2.800          | 76   | 13955      | 2.487    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.958          | 43   | 8203       | 3.023    | ug/L   | 96       |
| 16) Methylene chloride        | 3.051          | 84   | 6505       | 2.686    | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 3.359          | 96   | 5105       | 2.431    | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 3.369          | 73   | 19672      | 2.672    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.874          | 63   | 10582      | 2.528    | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.674          | 96   | 6230       | 2.601    | ug/L   | 95       |
| 22) 2-Butanone                | 4.716          | 43   | 10500      | 4.787    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.980          | 128  | 2908       | 2.522    | ug/L   | 95       |
| 25) Chloroform                | 5.092          | 83   | 11359      | 2.712    | ug/L   | 99       |

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 Operator : SY/MD  
 Sample : MDL05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL05

Manual Integrations  
 APPROVED

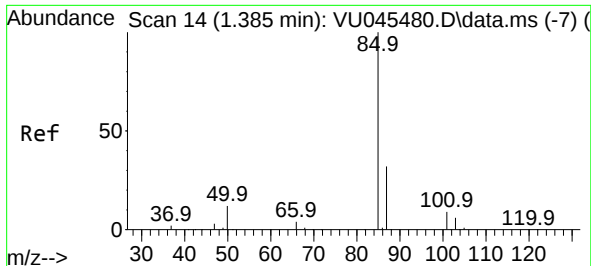
Reviewed By :Mahesh Dadoda 11/02/2021  
 Supervised By :Semsettin Yesilyurt 11/09/2021

Quant Time: Nov 02 02:46:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM102821WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 02 02:33:37 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 9643     | 2.815 | ug/L   | 96       |
| 29) Cyclohexane               | 5.395  | 56   | 9103     | 2.267 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 5.321  | 97   | 8396     | 2.361 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 6430     | 2.287 | ug/L   | 99       |
| 33) Benzene                   | 5.777  | 78   | 24125    | 2.483 | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 5806     | 2.490 | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.768  | 83   | 9092     | 2.244 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.797  | 63   | 6689     | 2.594 | ug/L # | 93       |
| 38) Bromodichloromethane      | 7.108  | 83   | 7780     | 2.399 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 9974     | 2.528 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 19458    | 5.112 | ug/L   | 97       |
| 42) Toluene                   | 7.973  | 91   | 29871    | 2.955 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.215  | 75   | 9840m    | 2.645 | ug/L   |          |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 6309     | 2.634 | ug/L   | 96       |
| 46) Tetrachloroethene         | 8.555  | 164  | 3796     | 2.295 | ug/L   | 93       |
| 48) 2-Hexanone                | 8.687  | 43   | 20166    | 6.361 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.813  | 129  | 5730     | 2.483 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 6511     | 2.590 | ug/L # | 96       |
| 51) Chlorobenzene             | 9.449  | 112  | 16019    | 2.623 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 25462    | 2.375 | ug/L   | 100      |
| 53) m,p-Xylene                | 9.697  | 106  | 9934     | 2.421 | ug/L   | 85       |
| 54) o-xylene                  | 10.102 | 106  | 9609     | 2.364 | ug/L   | 98       |
| 55) Styrene                   | 10.118 | 104  | 15153    | 2.219 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 11600    | 2.726 | ug/L   | 99       |
| 59) Bromoform                 | 10.295 | 173  | 3872     | 2.452 | ug/L # | 92       |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 9387     | 2.784 | ug/L   | 98       |
| 61) Isopropylbenzene          | 10.488 | 105  | 23776    | 2.349 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 19285    | 2.237 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 19833    | 2.264 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 10908    | 2.437 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 12053    | 2.661 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 12220    | 2.638 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 2485     | 2.524 | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 7715     | 2.337 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.845 | 180  | 7559     | 2.506 | ug/L   | 98       |
| 71) Naphthalene               | 14.089 | 128  | 27679    | 2.408 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 8160     | 2.643 | ug/L   | 97       |

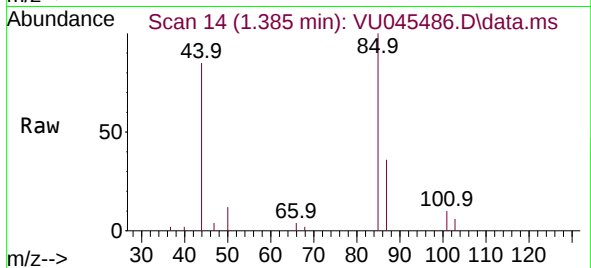
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#2  
Dichlorodifluoromethane  
Concen: 2.258 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

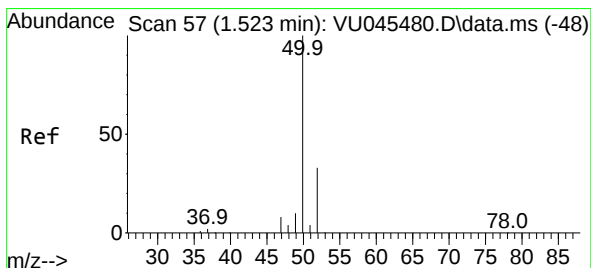
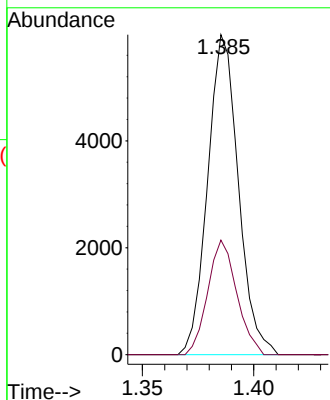
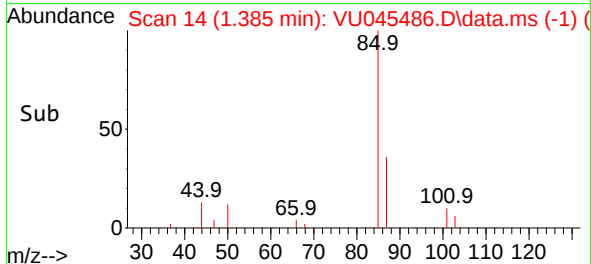
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



Tgt Ion: 85 Resp: 5738  
Ion Ratio Lower Upper  
85 100  
87 33.8 26.0 39.0

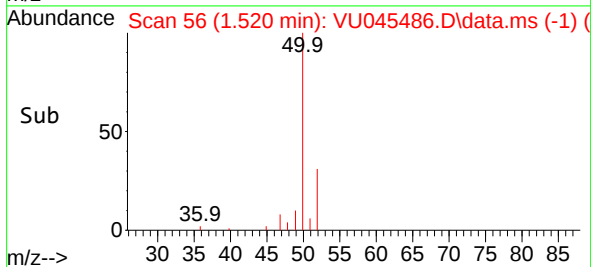
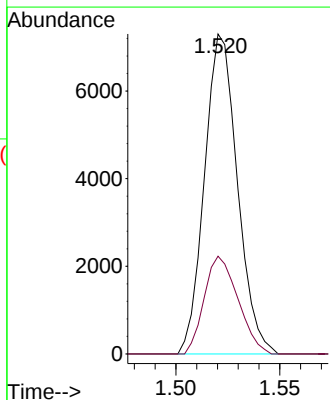
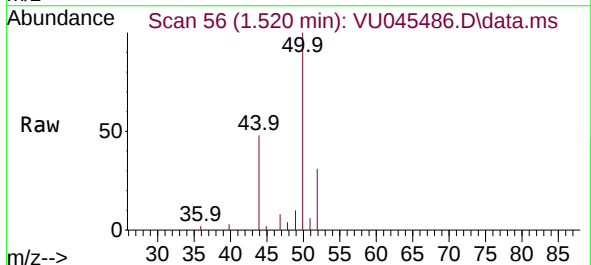
Manual Integrations  
APPROVED

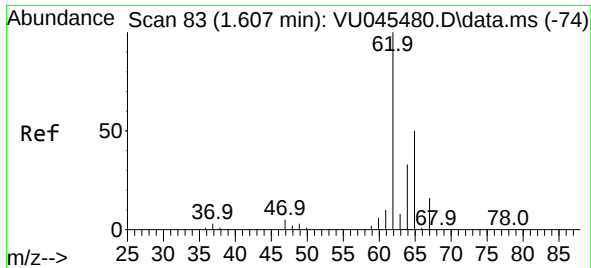
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#3  
Chloromethane  
Concen: 2.620 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Tgt Ion: 50 Resp: 8036  
Ion Ratio Lower Upper  
50 100  
52 30.5 23.2 43.2





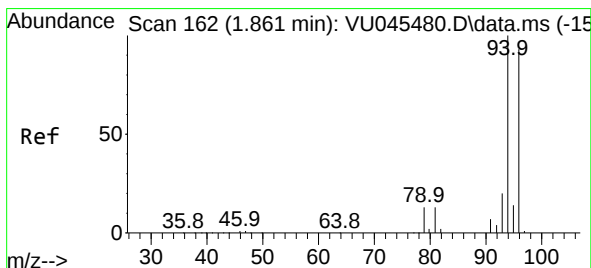
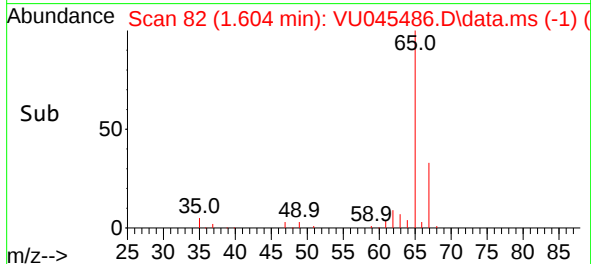
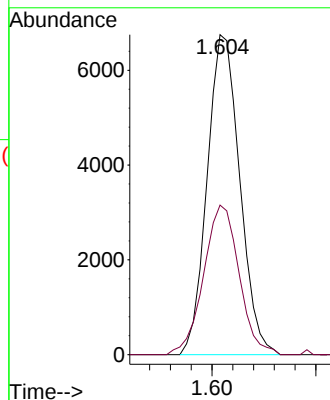
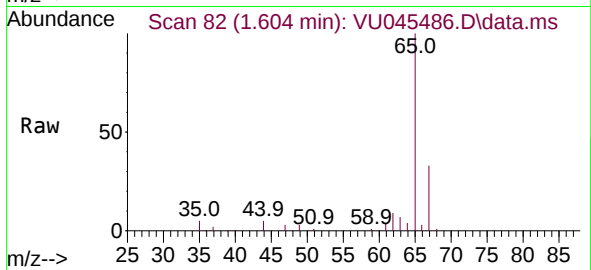
#5  
 Vinyl chloride  
 Concen: 2.550 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VU045486.D  
 Acq: 01 Nov 2021 13:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL05

Tgt Ion: 62 Resp: 7354  
 Ion Ratio Lower Upper  
 62 100  
 64 46.7 23.3 43.3

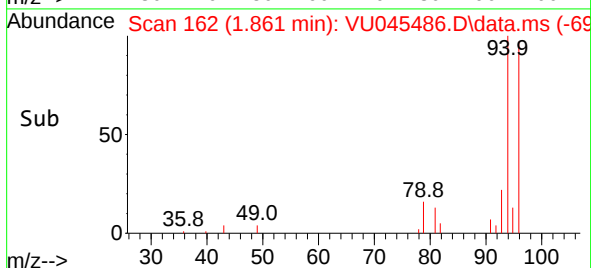
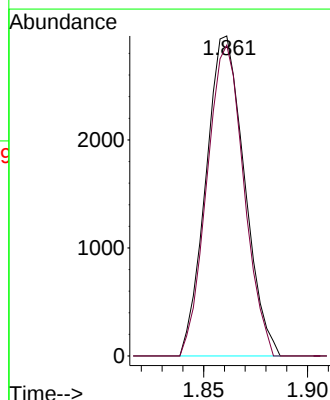
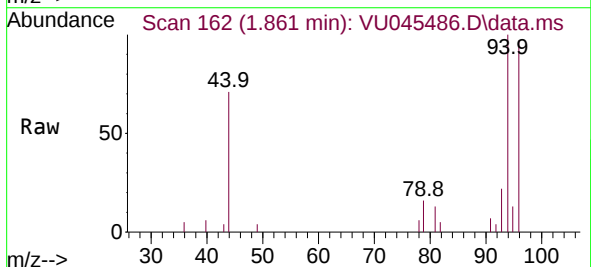
Manual Integrations  
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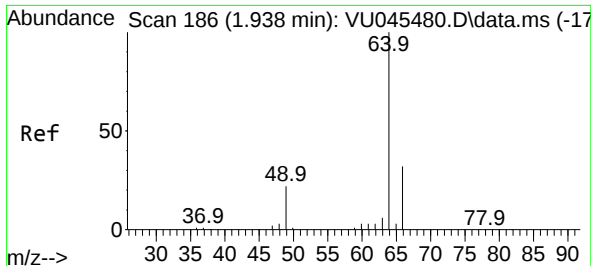
Reviewed By :Mahesh Dadoda 11/02/2021  
 Supervised By :Semsettin Yesilyurt 11/09/2021



#6  
 Bromomethane  
 Concen: 2.567 ug/L  
 RT: 1.861 min Scan# 162  
 Delta R.T. 0.000 min  
 Lab File: VU045486.D  
 Acq: 01 Nov 2021 13:30

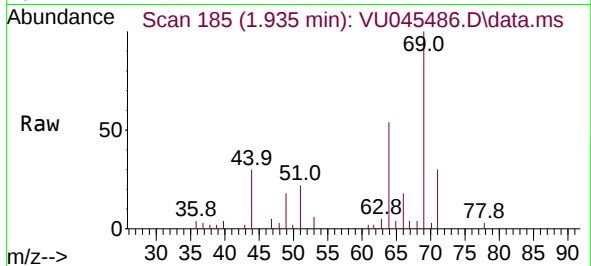
Tgt Ion: 94 Resp: 3811  
 Ion Ratio Lower Upper  
 94 100  
 96 97.1 64.9 120.5





#8  
Chloroethane  
Concen: 2.732 ug/L  
RT: 1.935 min Scan# 186  
Delta R.T. -0.003 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

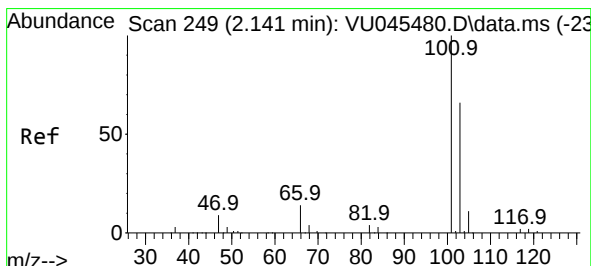
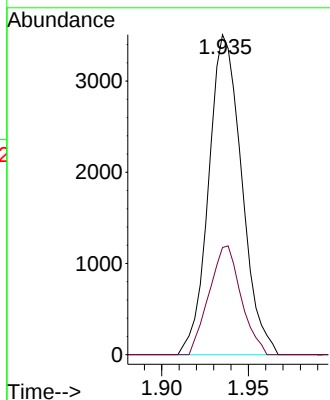
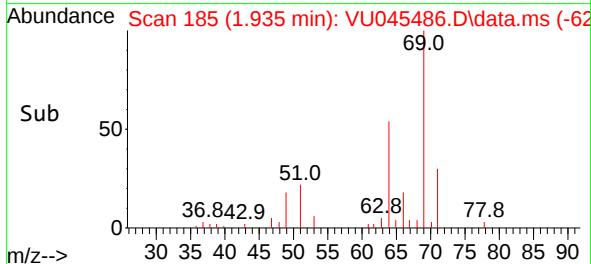
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



Tgt Ion: 64 Resp: 465  
Ion Ratio Lower Upper  
64 100  
66 33.5 23.2 43.2

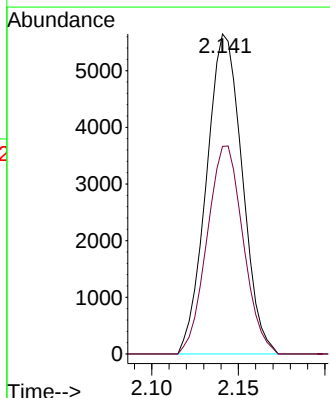
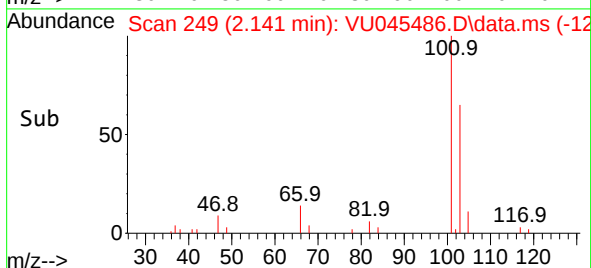
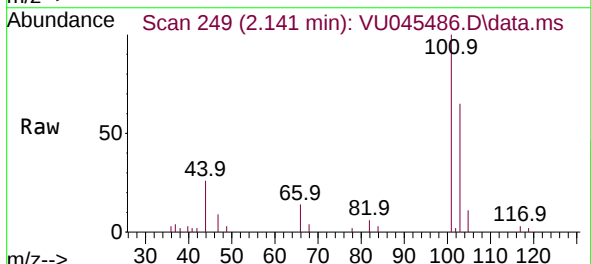
Manual Integrations  
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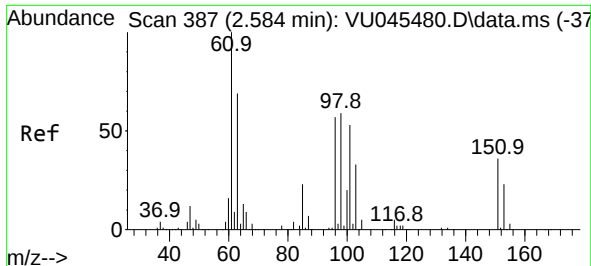
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#9  
Trichlorofluoromethane  
Concen: 2.378 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Tgt Ion:101 Resp: 8117  
Ion Ratio Lower Upper  
101 100  
103 65.5 51.4 77.2





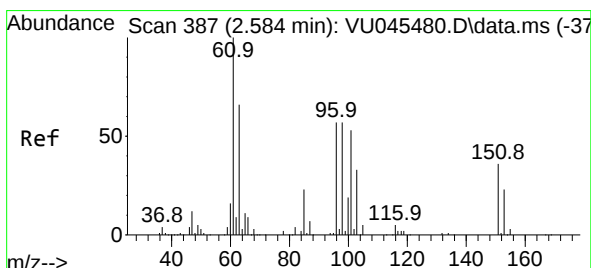
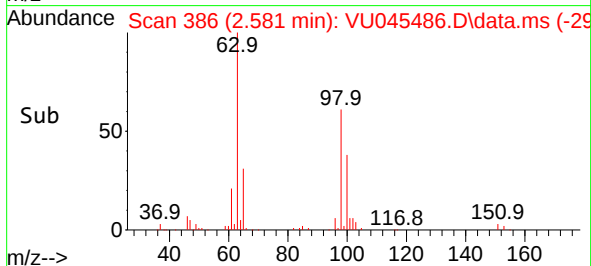
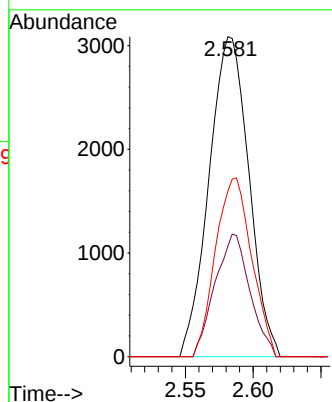
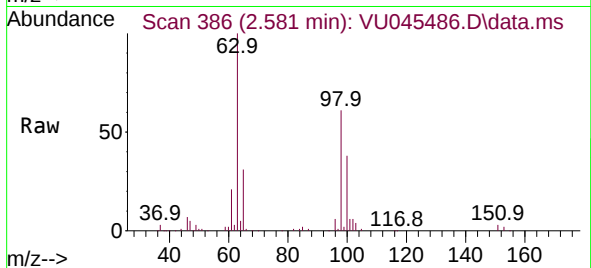
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1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 3.025 ug/L  
RT: 2.581 min Scan# 386  
Delta R.T. -0.003 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion:101 Resp: 6292  
Ion Ratio Lower Upper  
101 100  
85 33.6 34.8 52.2  
151 50.7 54.6 81.8

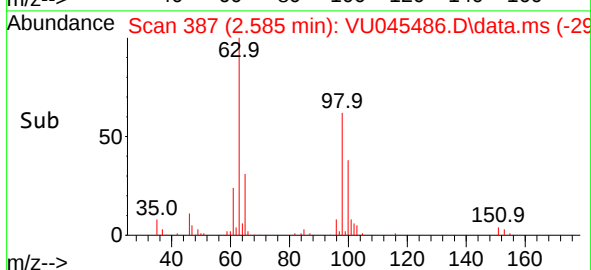
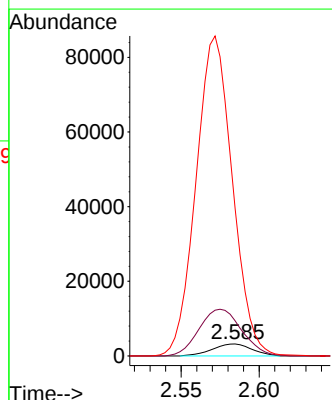
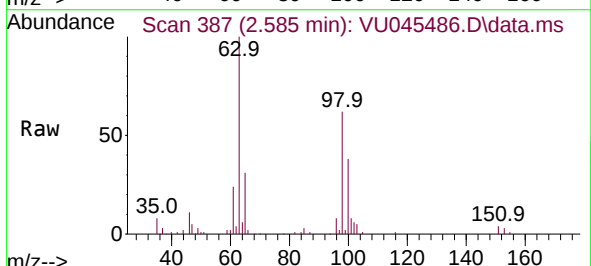
Manual Integrations  
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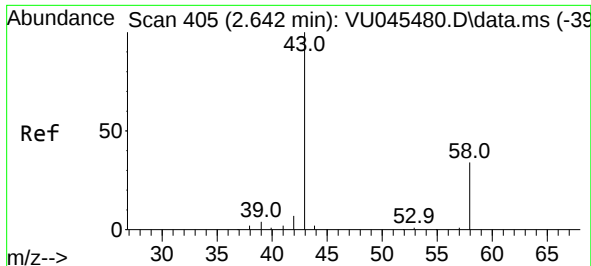
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#12  
1,1-Dichloroethene  
Concen: 2.910 ug/L  
RT: 2.585 min Scan# 387  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Tgt Ion: 96 Resp: 5711  
Ion Ratio Lower Upper  
96 100  
61 293.3 126.3 234.5#  
63 1232.5 89.2 165.8#





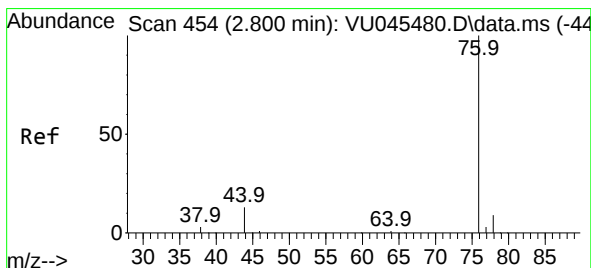
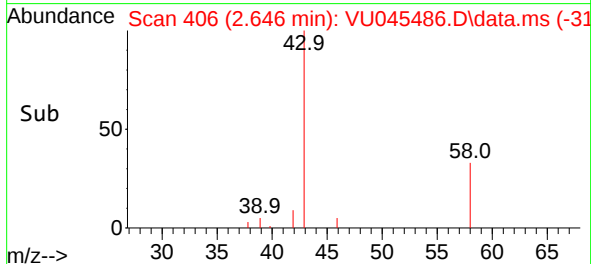
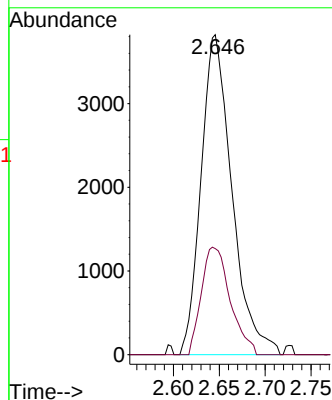
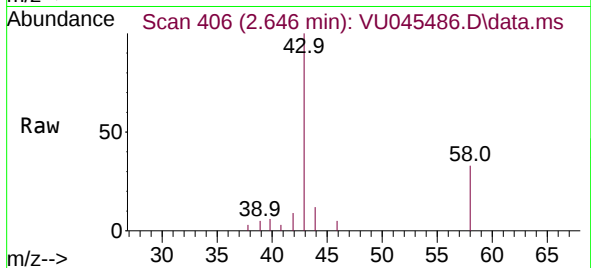
#13  
Acetone  
Concen: 5.578 ug/L  
RT: 2.646 min Scan# 406  
Delta R.T. 0.003 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion: 43 Resp: 8960  
Ion Ratio Lower Upper  
43 100  
58 31.4 0.0 66.2

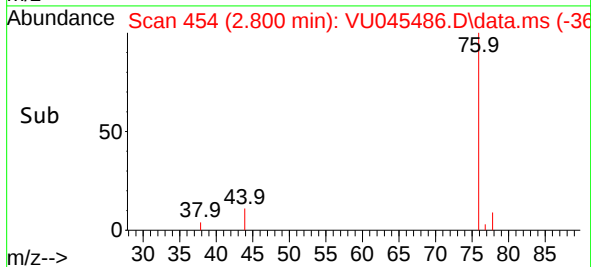
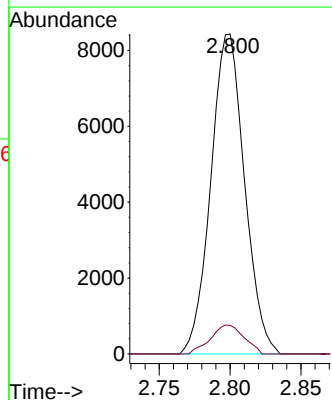
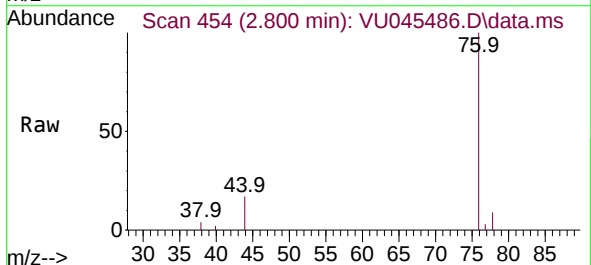
Manual Integrations  
APPROVED

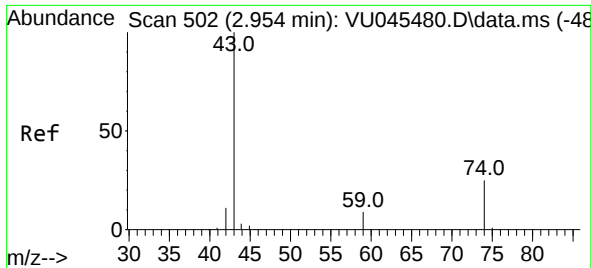
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#14  
Carbon disulfide  
Concen: 2.487 ug/L  
RT: 2.800 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Tgt Ion: 76 Resp: 13955  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.3 10.9





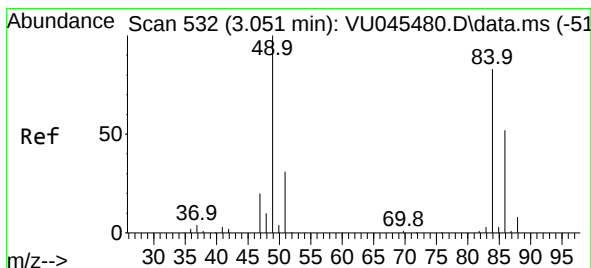
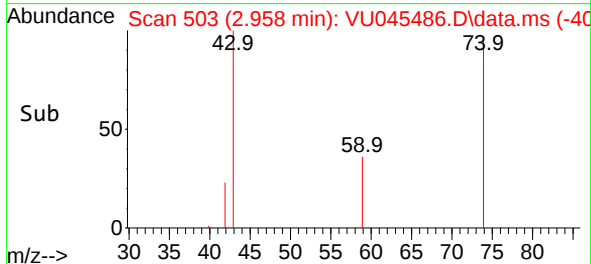
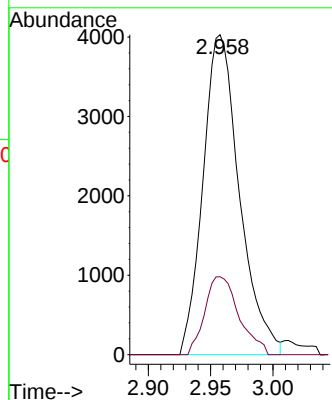
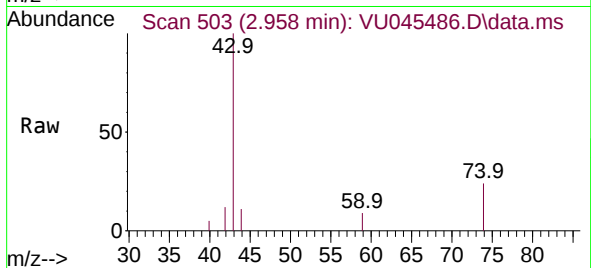
#15  
Methyl Acetate  
Concen: 3.023 ug/L  
RT: 2.958 min Scan# 503  
Delta R.T. 0.003 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion: 43 Resp: 820  
Ion Ratio Lower Upper  
43 100  
74 22.8 20.0 30.0

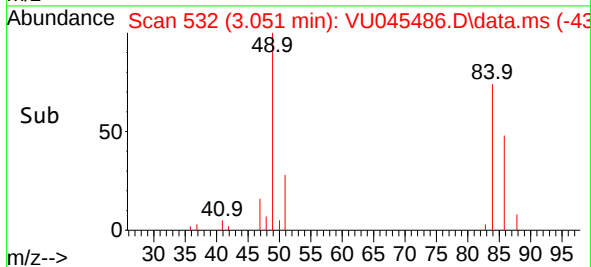
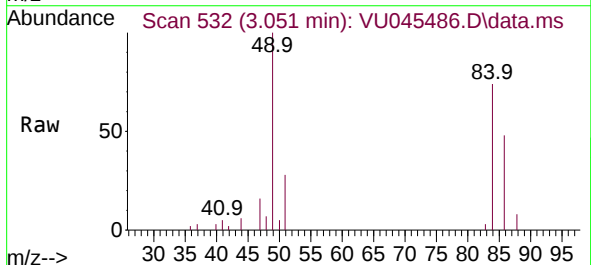
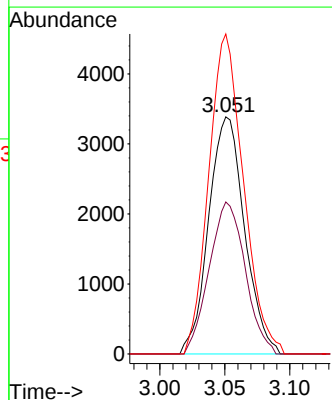
Manual Integrations  
APPROVED

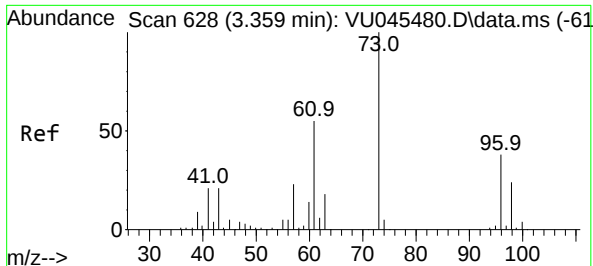
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#16  
Methylene chloride  
Concen: 2.686 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Tgt Ion: 84 Resp: 6505  
Ion Ratio Lower Upper  
84 100  
86 64.1 45.8 85.2  
49 135.0 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 2.431 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

Tgt Ion: 96 Resp: 510

Ion Ratio Lower Upper

96 100

61 147.2 101.8 189.2

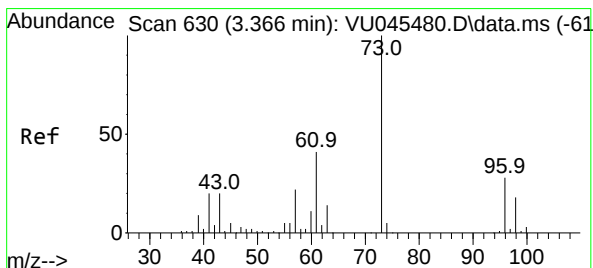
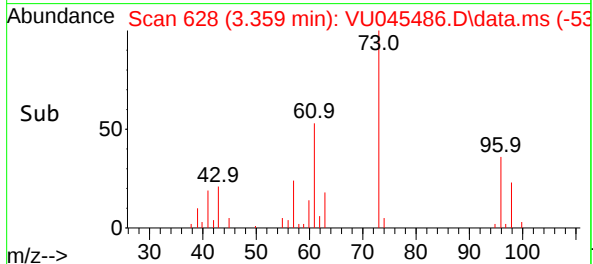
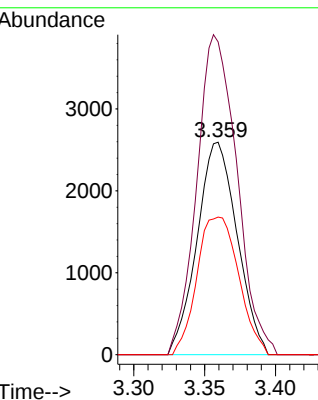
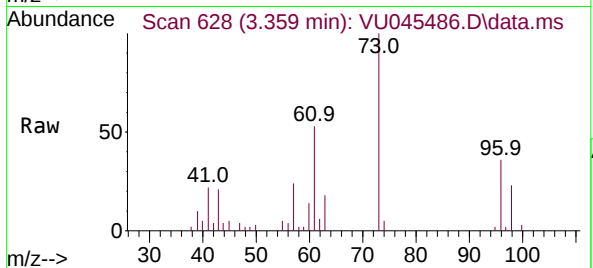
98 64.8 45.1 83.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021

Supervised By :Semsettin Yesilyurt 11/09/2021



#18

Methyl tert-butyl Ether

Concen: 2.672 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

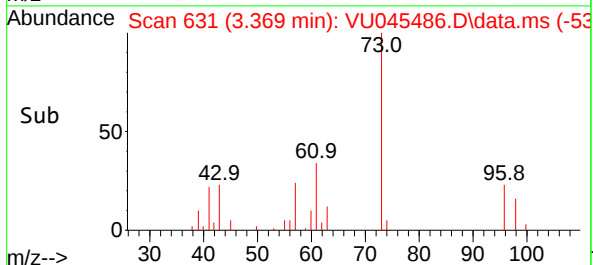
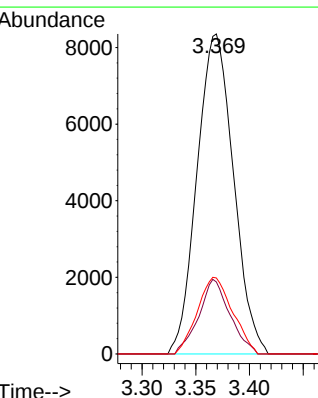
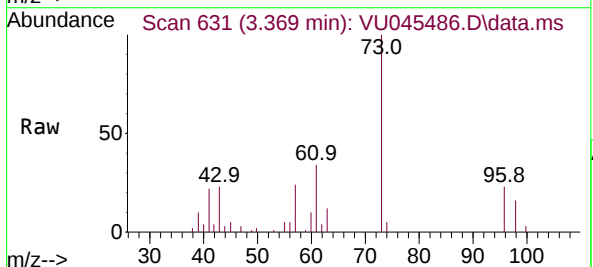
Tgt Ion: 73 Resp: 19672

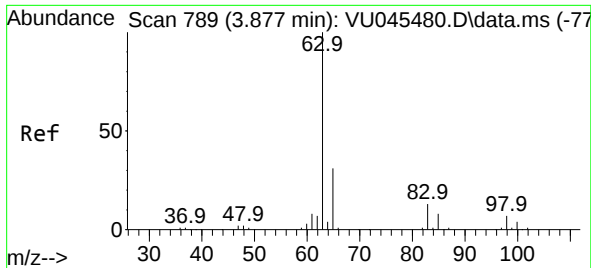
Ion Ratio Lower Upper

73 100

43 19.9 16.2 24.4

57 23.1 18.1 27.1





#19

1,1-Dichloroethane

Concen: 2.528 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

Tgt Ion: 63 Resp: 1058

Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

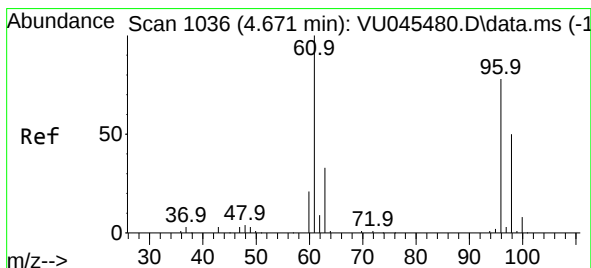
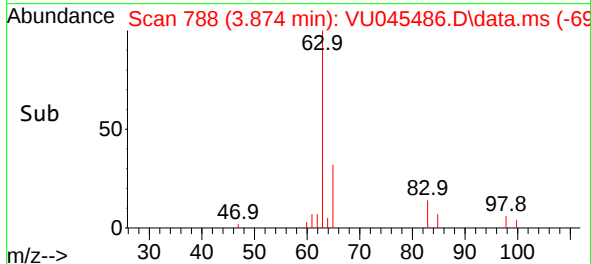
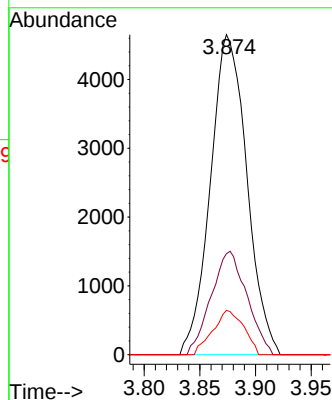
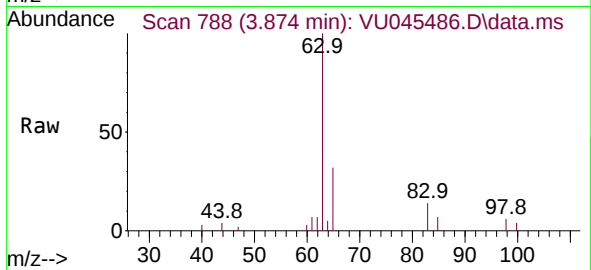
83 13.9 9.0 16.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021

Supervised By :Semsettin Yesilyurt 11/09/2021



#20

cis-1,2-Dichloroethene

Concen: 2.601 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

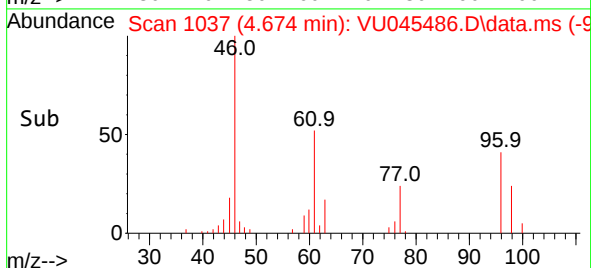
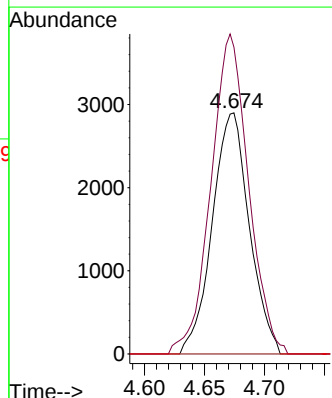
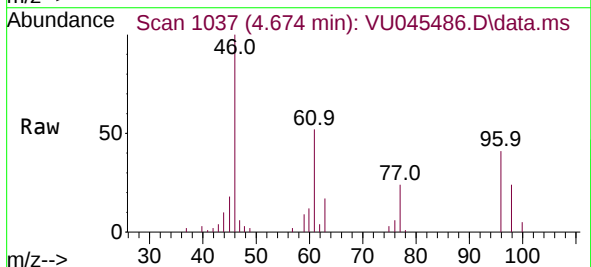
Tgt Ion: 96 Resp: 6230

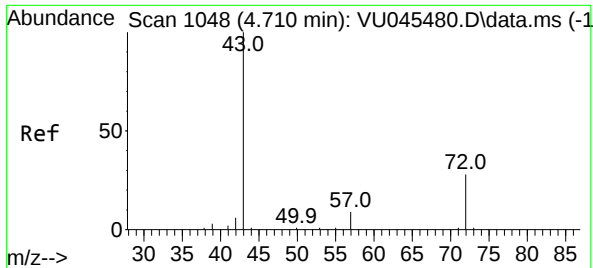
Ion Ratio Lower Upper

96 100

61 127.2 92.8 172.4

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.787 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

Tgt Ion: 43 Resp: 10500

Ion Ratio Lower Upper

43 100

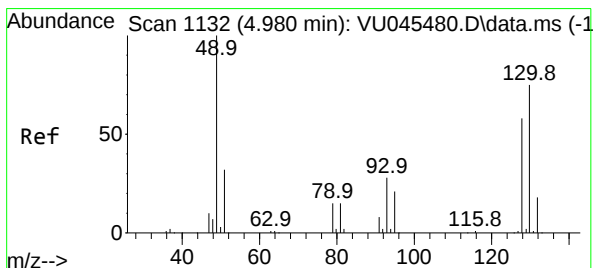
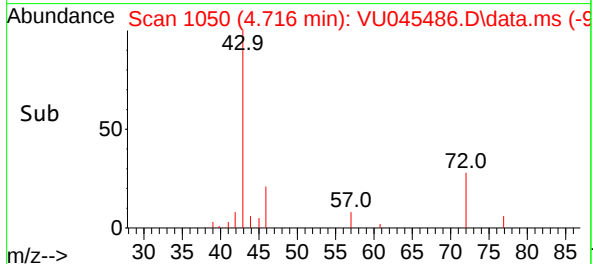
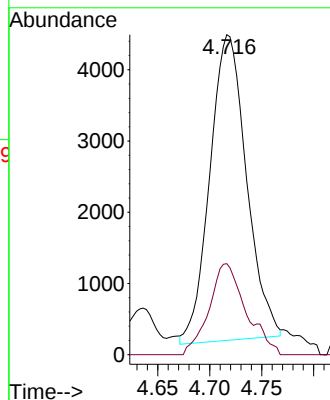
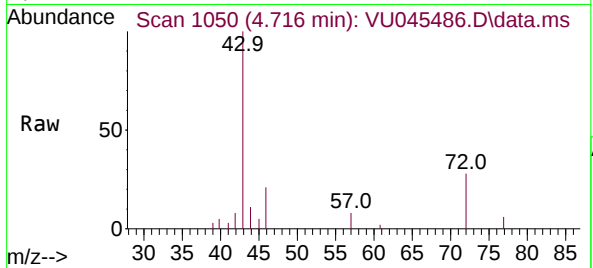
72 26.7 14.4 43.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/02/2021

Supervised By :Semsettin Yesilyurt 11/09/2021



#23

Bromochloromethane

Concen: 2.522 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Tgt Ion:128 Resp: 2908

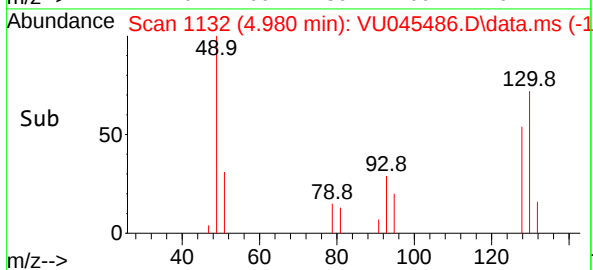
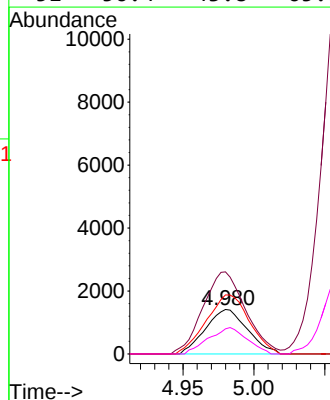
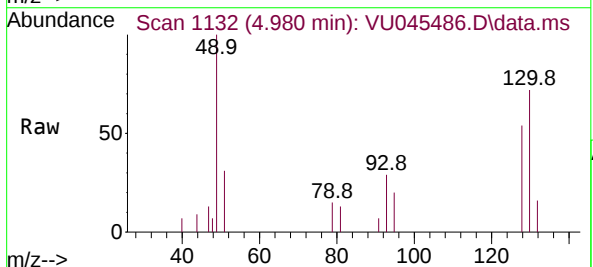
Ion Ratio Lower Upper

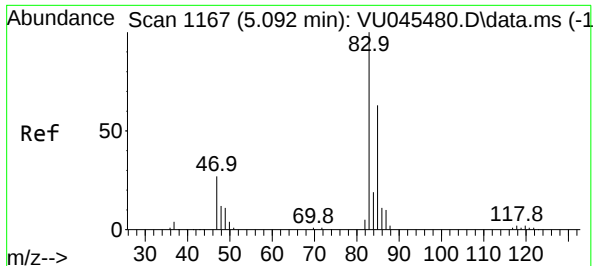
128 100

49 184.6 123.1 228.5

130 132.8 89.8 166.8

51 56.4 43.8 65.8





#25

Chloroform

Concen: 2.712 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

Tgt Ion: 83 Resp: 1135

Ion Ratio Lower Upper

83 100

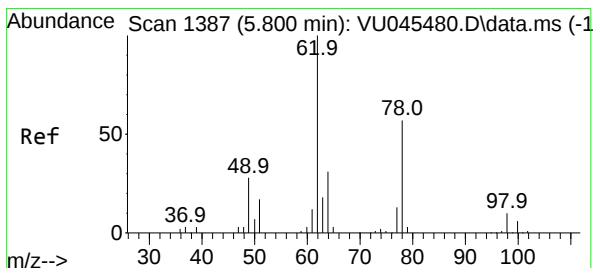
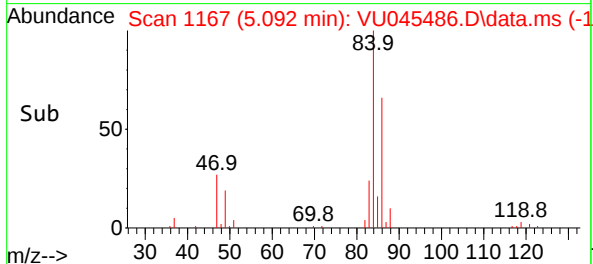
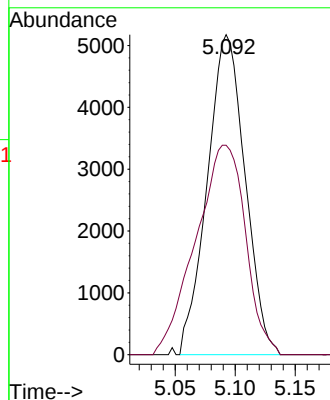
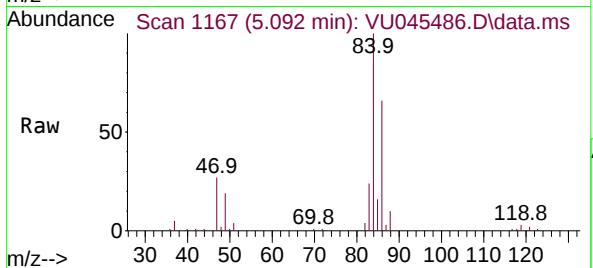
85 65.4 45.0 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021

Supervised By :Semsettin Yesilyurt 11/09/2021



#27

1,2-Dichloroethane

Concen: 2.815 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU045486.D

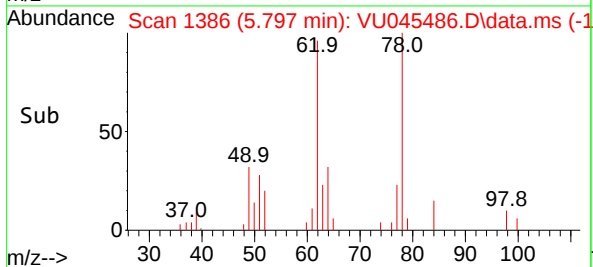
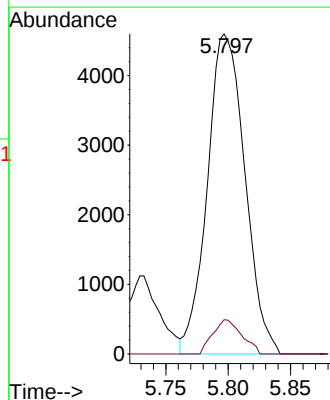
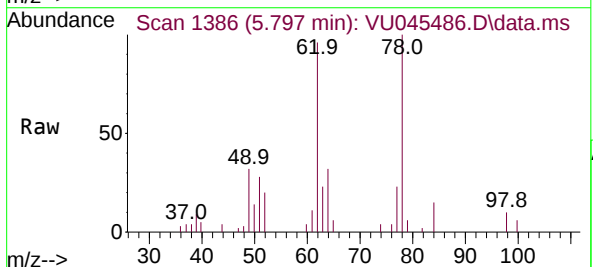
Acq: 01 Nov 2021 13:30

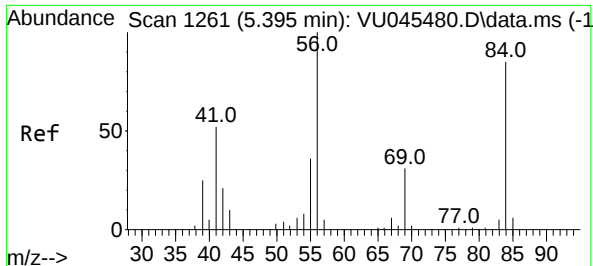
Tgt Ion: 62 Resp: 9643

Ion Ratio Lower Upper

62 100

98 10.7 7.4 11.0





#29

Cyclohexane

Concen: 2.267 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA\_U

ClientSampleId :

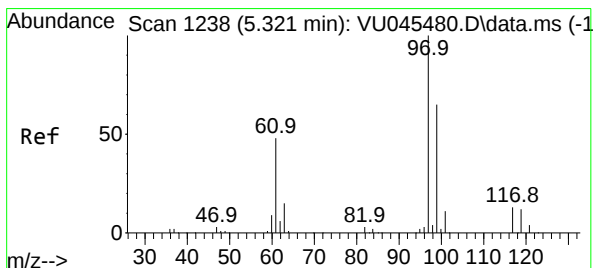
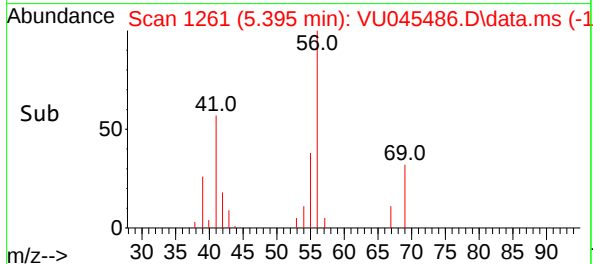
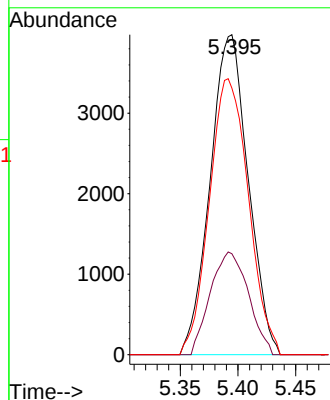
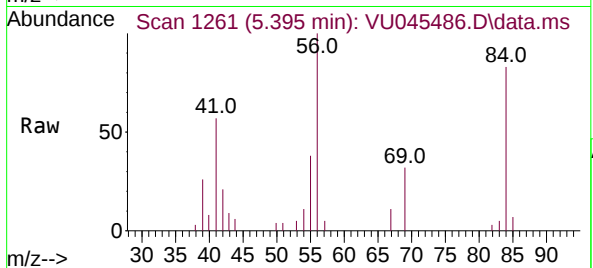
MDL05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 910   |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 32.1  | 25.0  | 37.4  |
| 84        | 88.8  | 69.9  | 104.9 |

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#30

1,1,1-Trichloroethane

Concen: 2.361 ug/L

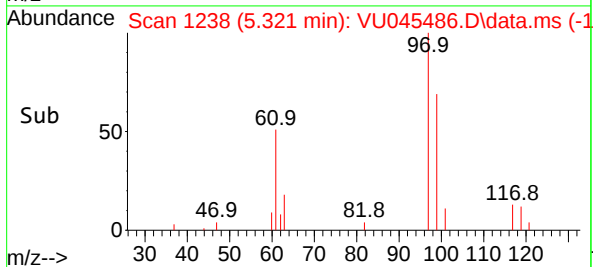
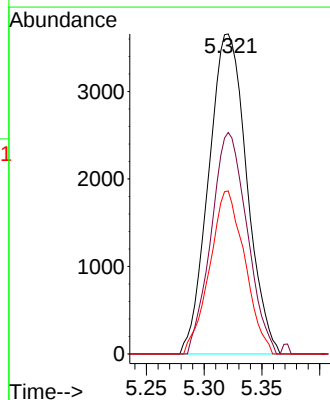
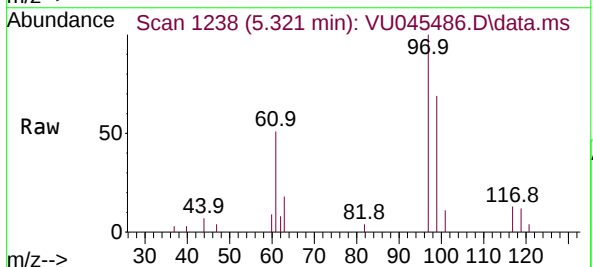
RT: 5.321 min Scan# 1238

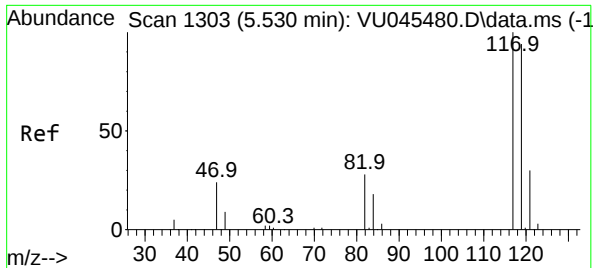
Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

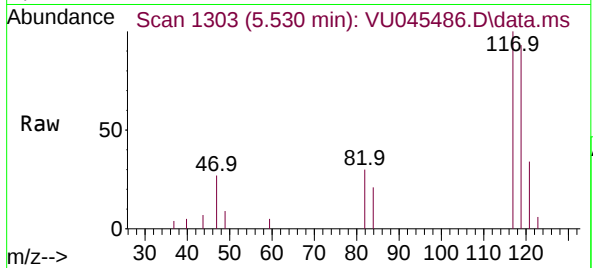
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 97    | Resp: | 8396 |
| Ion Ratio | Lower | Upper |      |
| 97        | 100   |       |      |
| 99        | 65.1  | 51.3  | 76.9 |
| 61        | 46.9  | 38.8  | 58.2 |





#31  
Carbon tetrachloride  
Concen: 2.287 ug/L  
RT: 5.530 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

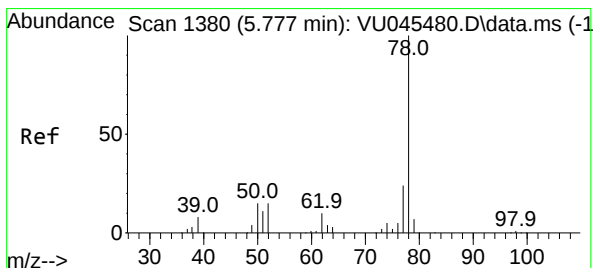
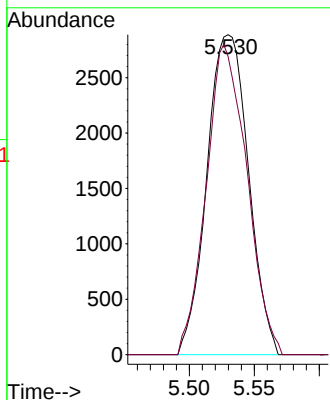
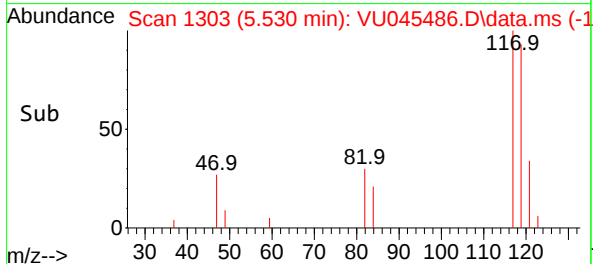
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



Tgt Ion:117 Resp: 6430  
Ion Ratio Lower Upper  
117 100  
119 94.7 77.0 115.4

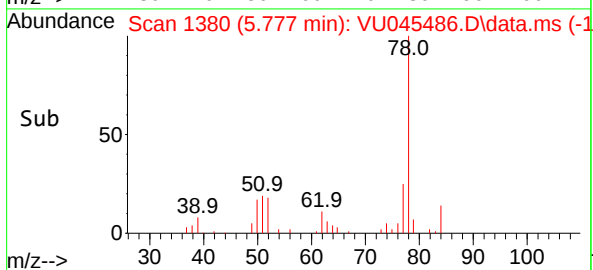
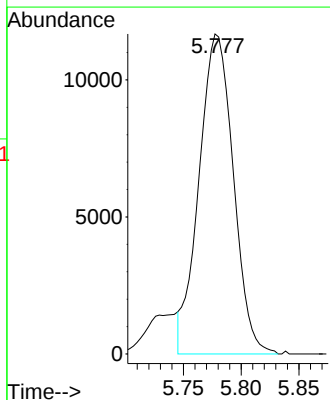
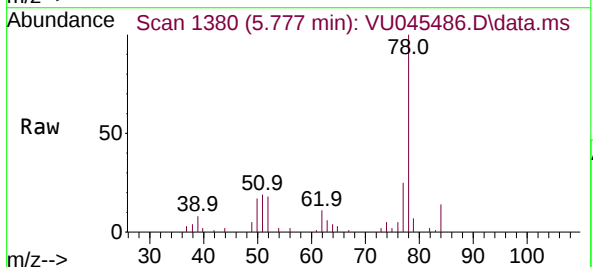
Manual Integrations  
APPROVED

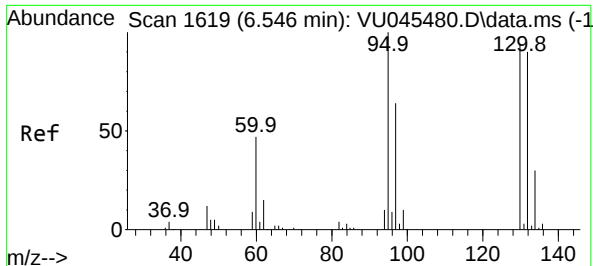
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#33  
Benzene  
Concen: 2.483 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

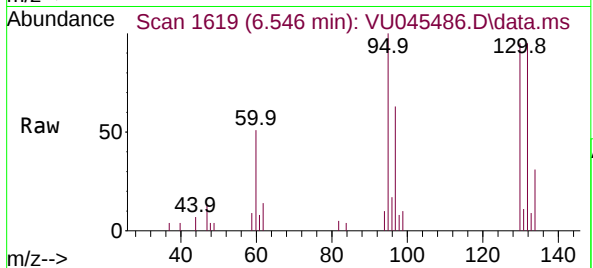
Tgt Ion: 78 Resp: 24125





#34  
Trichloroethene  
Concen: 2.490 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

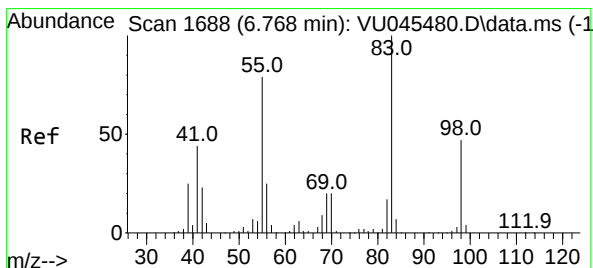
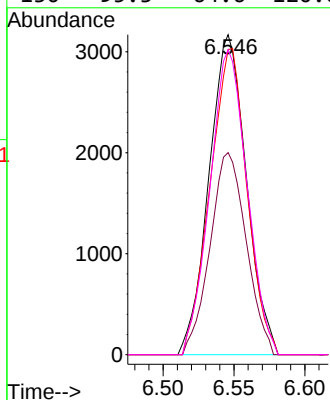
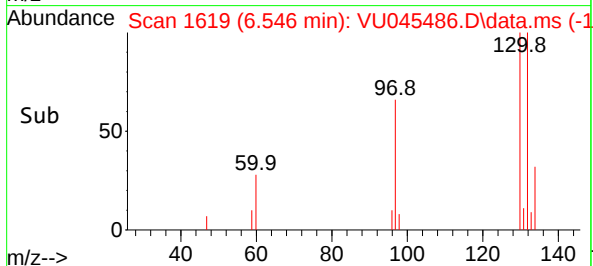
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



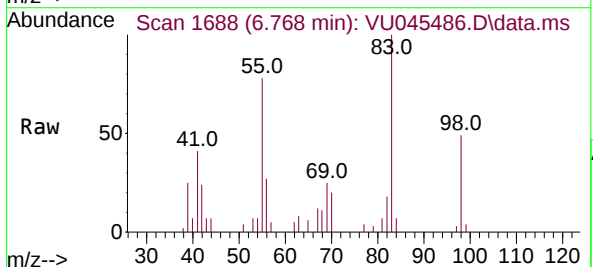
Tgt Ion: 95 Resp: 5800  
Ion Ratio Lower Upper  
95 100  
97 63.2 45.0 83.6  
132 95.4 63.3 117.7  
130 95.3 64.6 120.0

Manual Integrations  
APPROVED

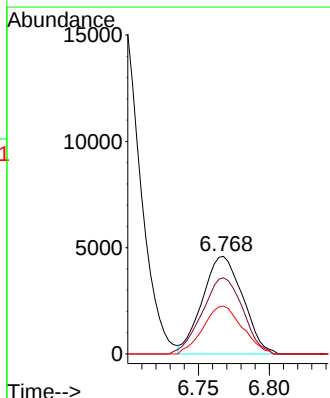
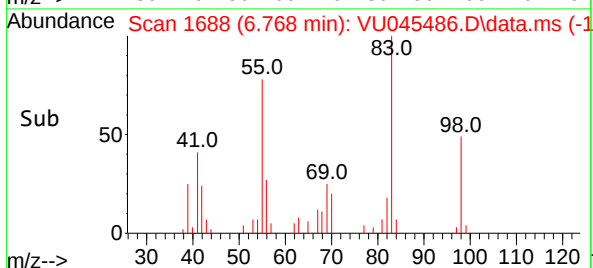
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021

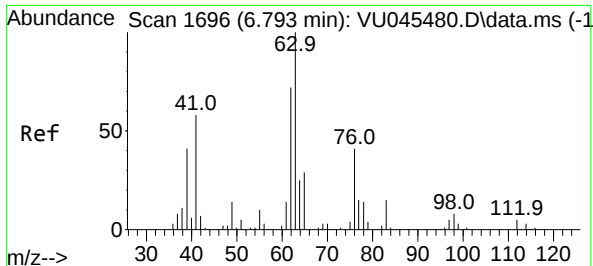


#35  
Methylcyclohexane  
Concen: 2.244 ug/L  
RT: 6.768 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30



Tgt Ion: 83 Resp: 9092  
Ion Ratio Lower Upper  
83 100  
55 78.1 62.8 94.2  
98 47.5 37.4 56.2





#37

1,2-Dichloropropane

Concen: 2.594 ug/L

RT: 6.797 min Scan# 1696

Delta R.T. 0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

Tgt Ion: 63 Resp: 6689

Ion Ratio Lower Upper

63 100

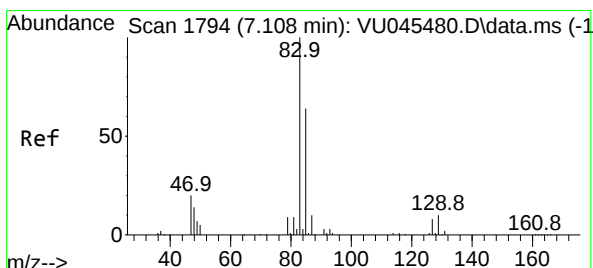
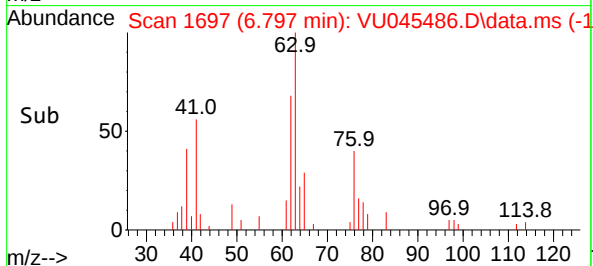
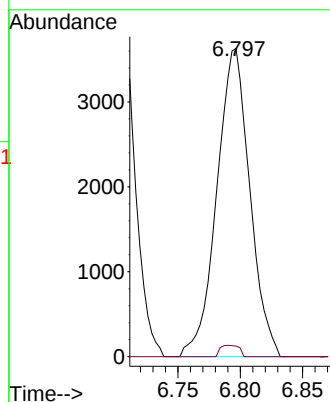
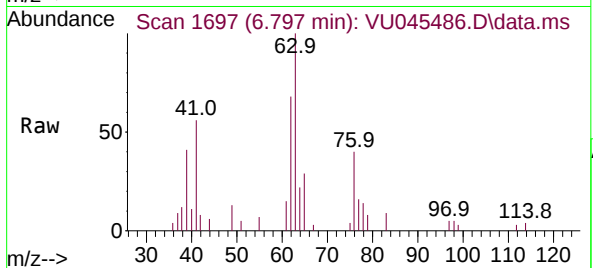
112 2.1 3.4 5.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021

Supervised By :Semsettin Yesilyurt 11/09/2021



#38

Bromodichloromethane

Concen: 2.399 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

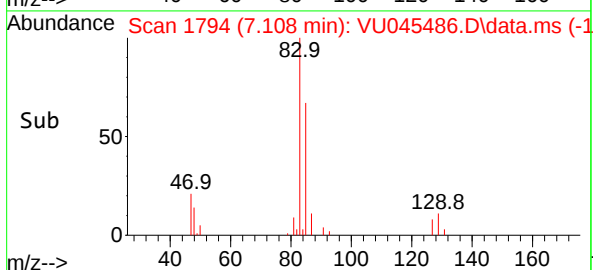
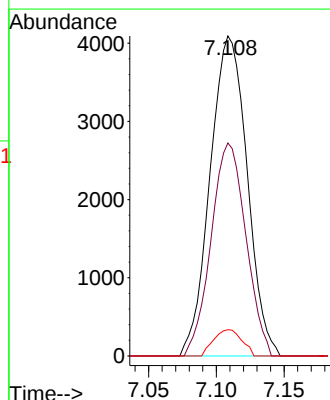
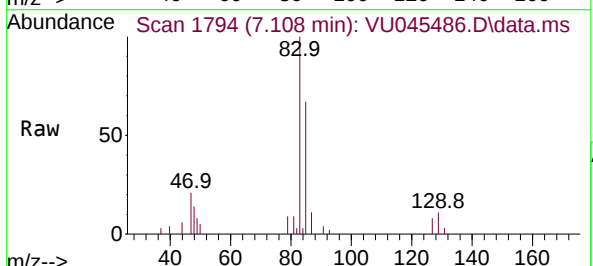
Tgt Ion: 83 Resp: 7780

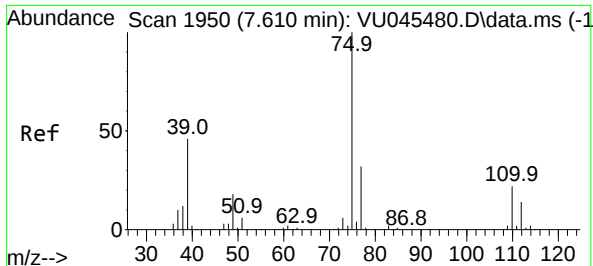
Ion Ratio Lower Upper

83 100

85 66.6 45.1 83.9

127 8.2 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 2.528 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

Tgt Ion: 75 Resp: 9974

Ion Ratio Lower Upper

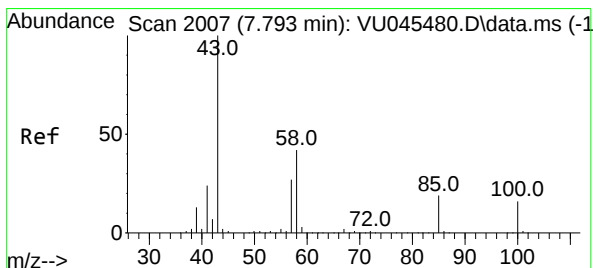
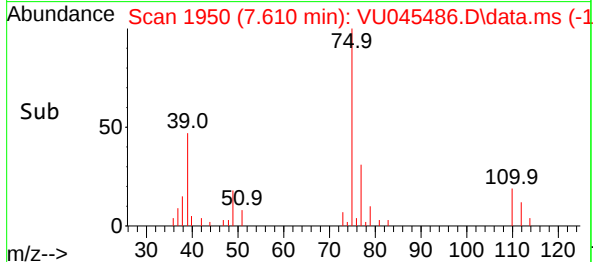
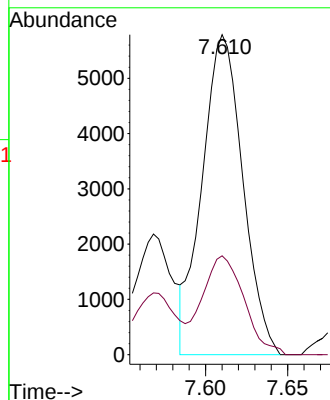
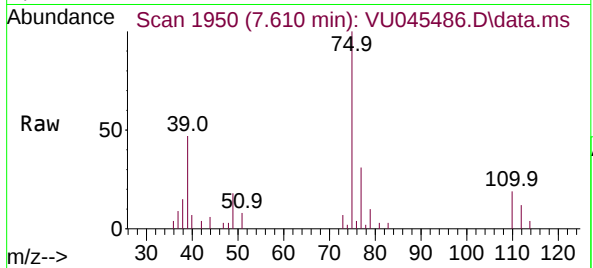
75 100

77 30.9 22.7 42.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#40

4-Methyl-2-pentanone

Concen: 5.112 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

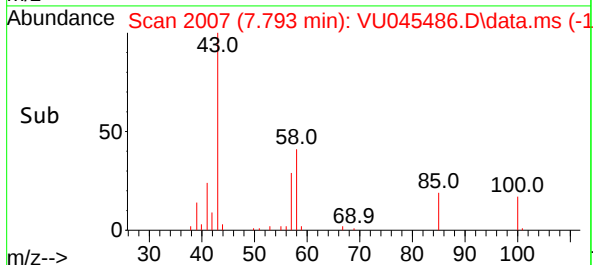
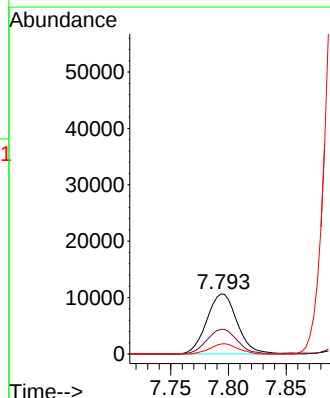
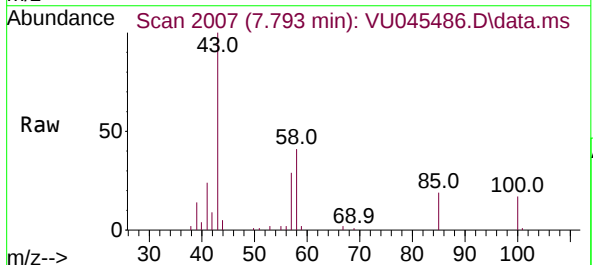
Tgt Ion: 43 Resp: 19458

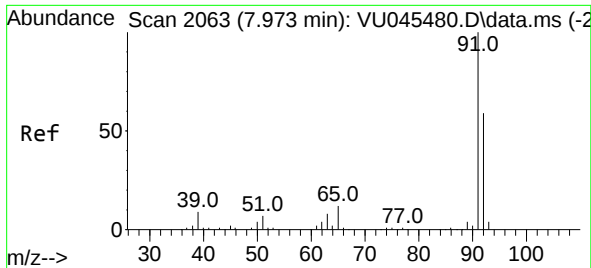
Ion Ratio Lower Upper

43 100

58 40.8 33.9 50.9

100 15.4 13.3 19.9





#42

Toluene

Concen: 2.955 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

Tgt Ion: 91 Resp: 2987

Ion Ratio Lower Upper

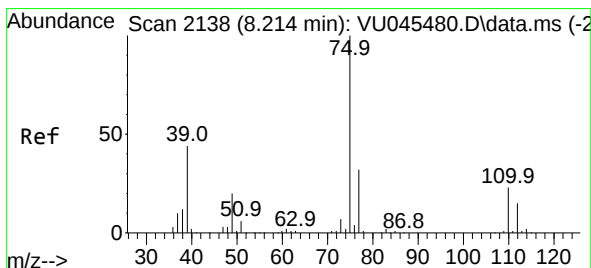
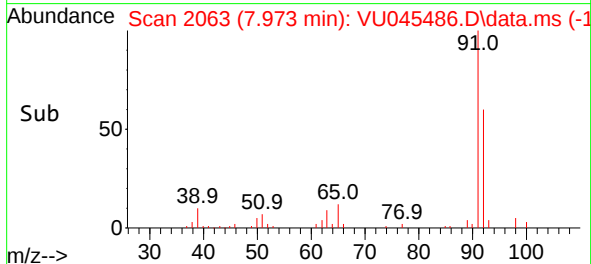
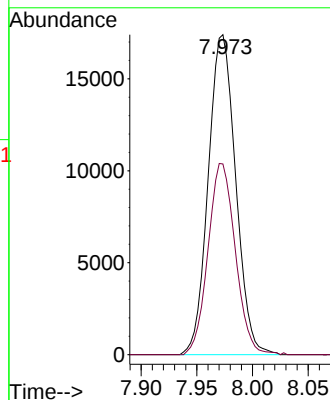
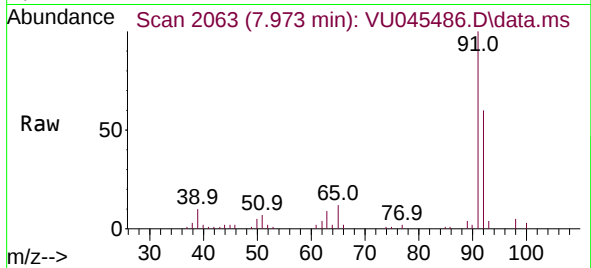
91 100

92 59.6 40.7 75.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#44

trans-1,3-Dichloropropene

Concen: 2.645 ug/L m

RT: 8.215 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU045486.D

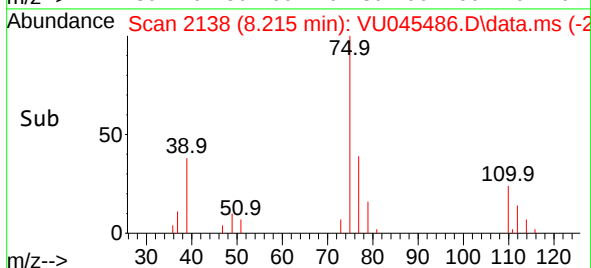
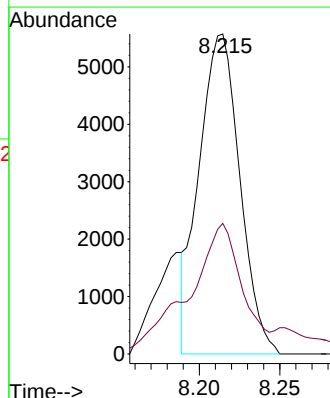
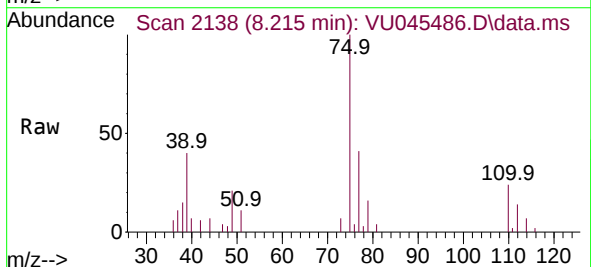
Acq: 01 Nov 2021 13:30

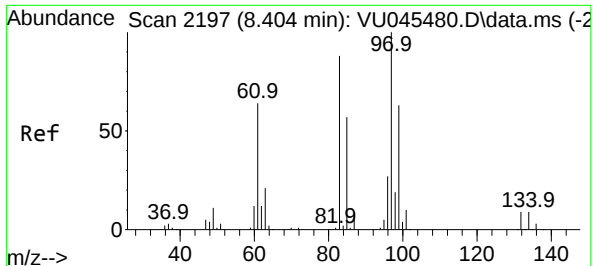
Tgt Ion: 75 Resp: 9840

Ion Ratio Lower Upper

75 100

77 40.8 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 2.634 ug/L

RT: 8.404 min Scan# 2197

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

Tgt Ion: 97 Resp: 6309

Ion Ratio Lower Upper

97 100

99 58.4 44.7 82.9

83 85.0 61.5 114.1

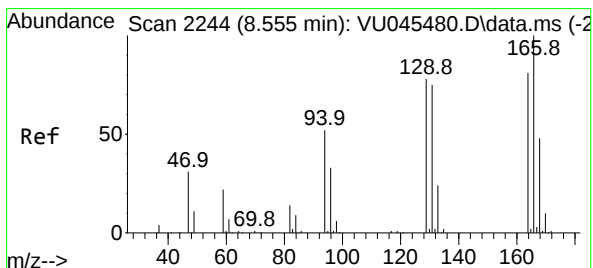
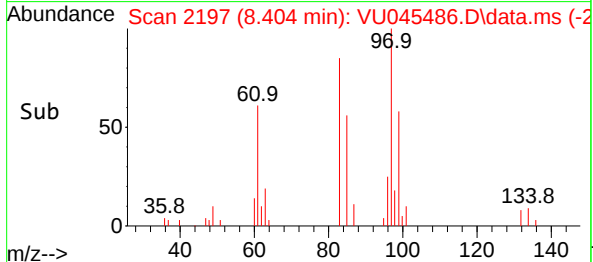
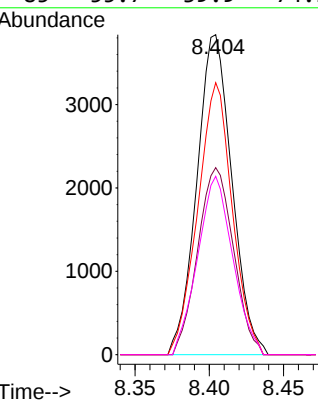
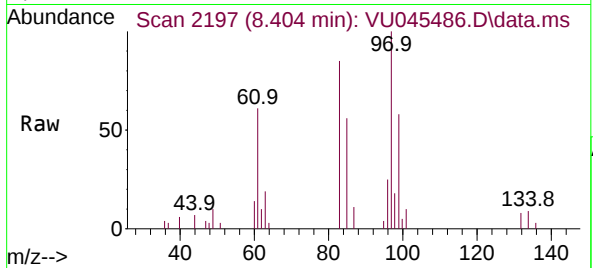
85 55.7 39.9 74.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021

Supervised By :Semsettin Yesilyurt 11/09/2021



#46

Tetrachloroethene

Concen: 2.295 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Tgt Ion:164 Resp: 3796

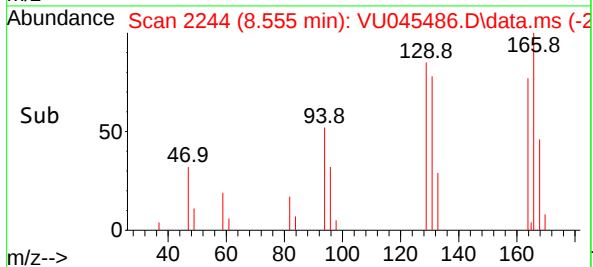
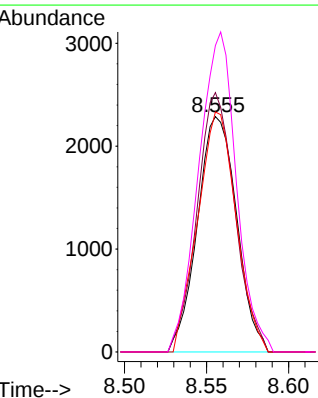
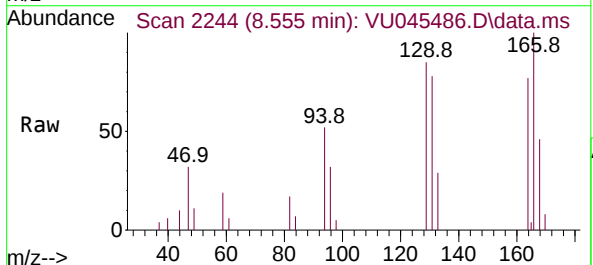
Ion Ratio Lower Upper

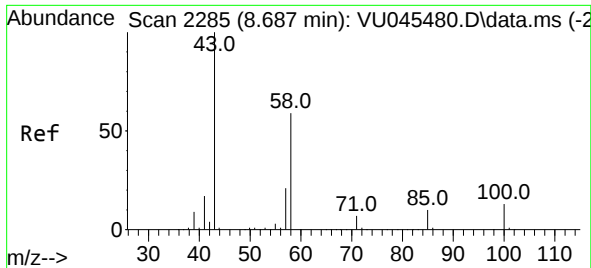
164 100

129 110.1 66.8 124.2

131 101.9 65.6 121.8

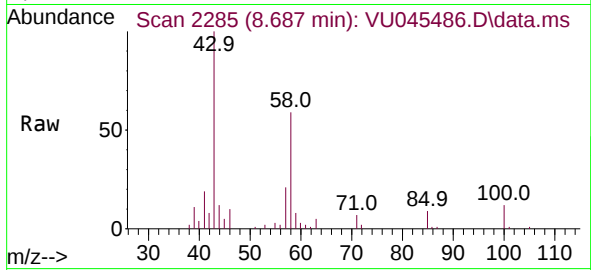
166 130.2 90.4 168.0





#48  
2-Hexanone  
Concen: 6.361 ug/L  
RT: 8.687 min Scan# 2160  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

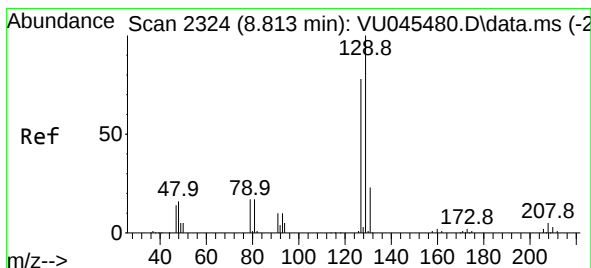
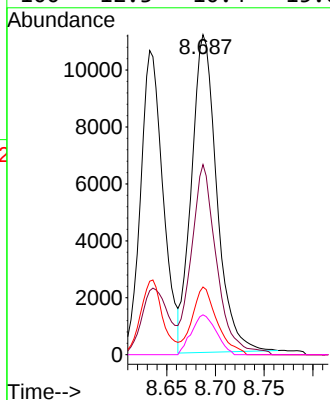
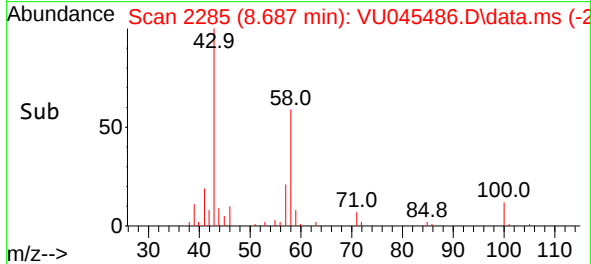
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



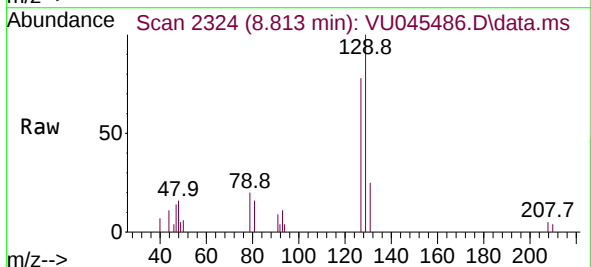
Tgt Ion: 43 Resp: 2016  
Ion Ratio Lower Upper  
43 100  
58 59.5 47.0 70.4  
57 21.1 16.3 24.5  
100 12.3 10.4 15.6

Manual Integrations  
APPROVED

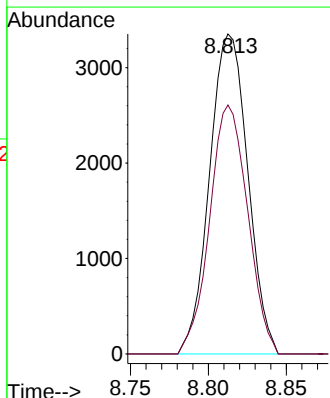
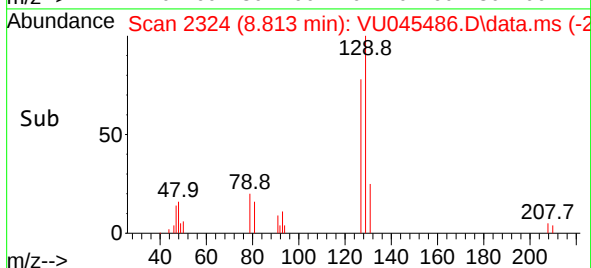
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021

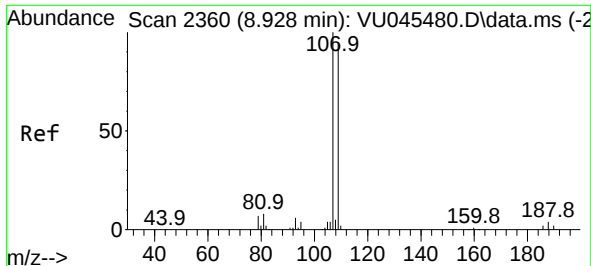


#49  
Dibromochloromethane  
Concen: 2.483 ug/L  
RT: 8.813 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30



Tgt Ion:129 Resp: 5730  
Ion Ratio Lower Upper  
129 100  
127 77.8 54.9 101.9





#50

1,2-Dibromoethane

Concen: 2.590 ug/L

RT: 8.925 min Scan# 2359

Delta R.T. -0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA\_U

ClientSampleId :

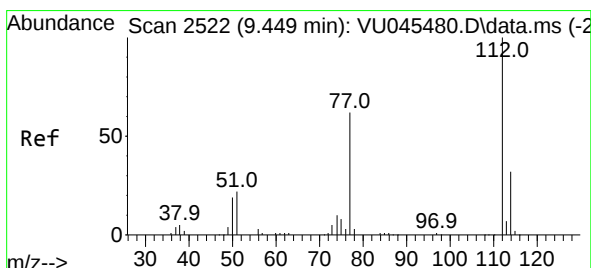
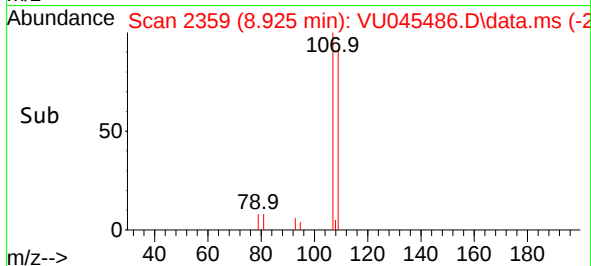
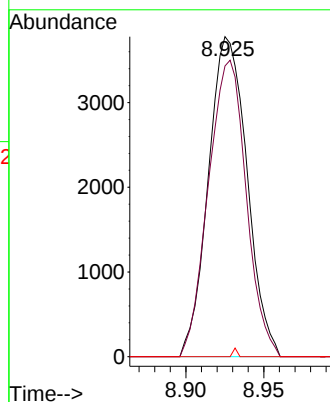
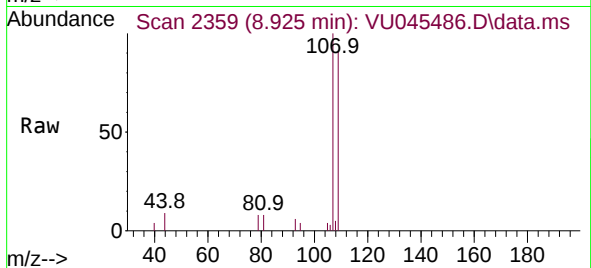
MDL05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 651   |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 109       | 90.9  | 66.1  | 122.8 |
| 188       | 0.0   | 2.8   | 4.2   |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#51

Chlorobenzene

Concen: 2.623 ug/L

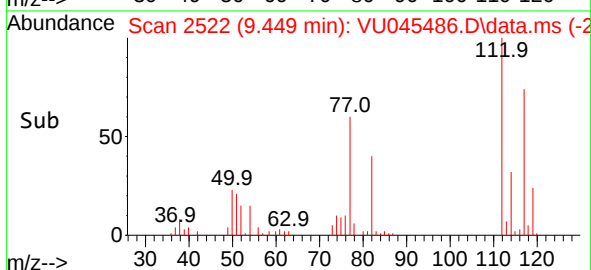
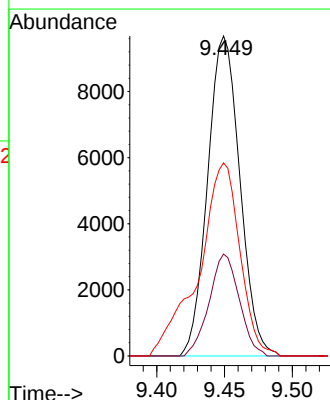
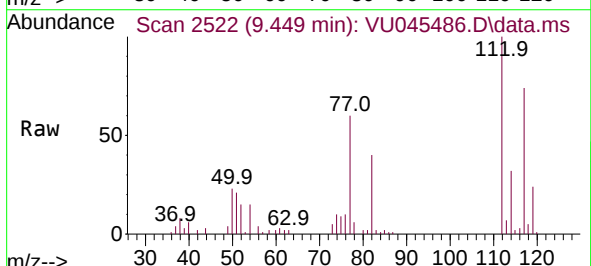
RT: 9.449 min Scan# 2522

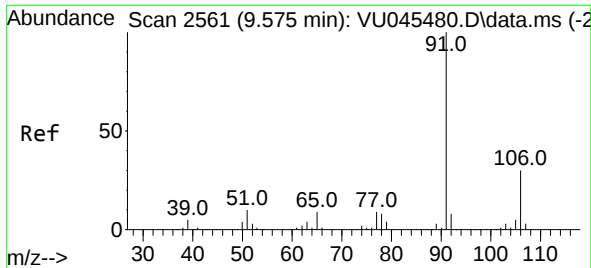
Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 16019 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 114       | 31.8  | 22.5  | 41.7  |
| 77        | 60.4  | 49.8  | 74.6  |





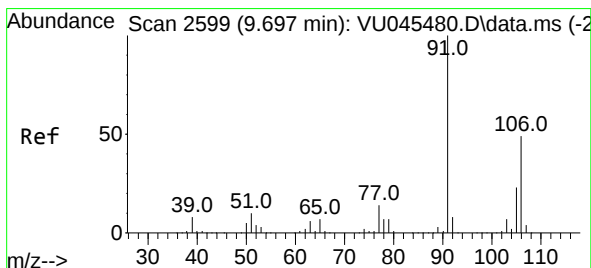
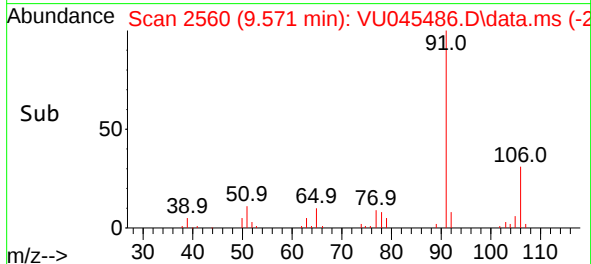
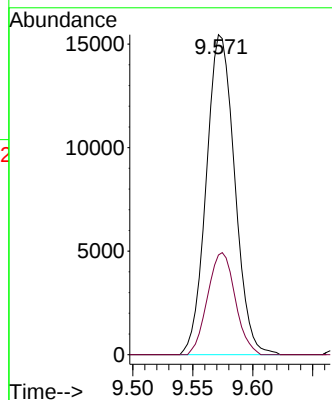
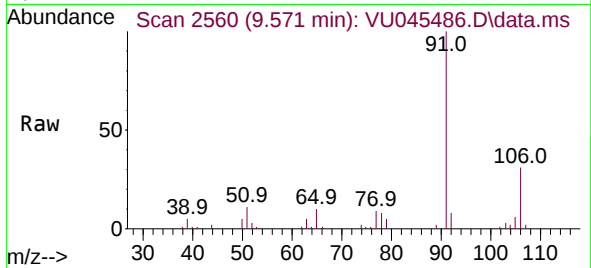
#52  
Ethylbenzene  
Concen: 2.375 ug/L  
RT: 9.571 min Scan# 2561  
Delta R.T. -0.003 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion: 91 Resp: 2546  
Ion Ratio Lower Upper  
91 100  
106 31.1 21.7 40.3

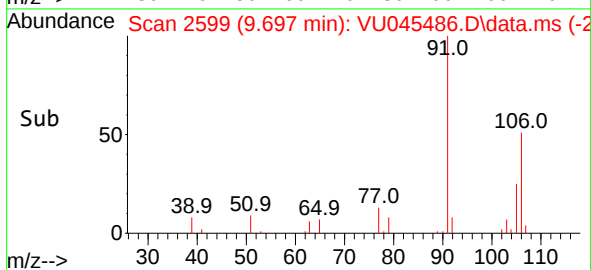
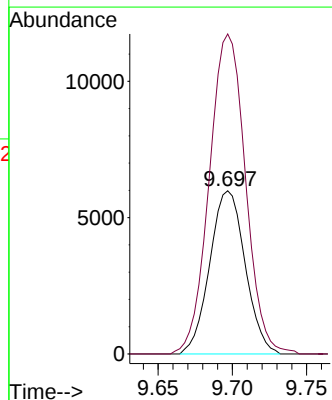
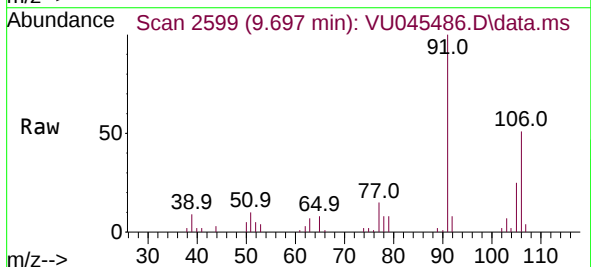
Manual Integrations  
APPROVED

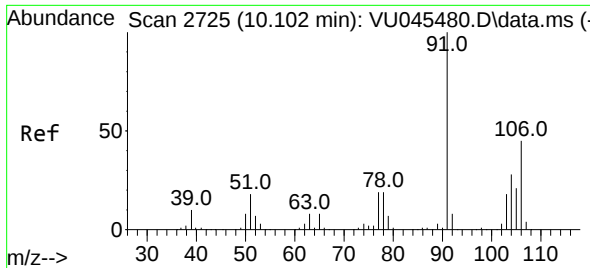
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#53  
m,p-Xylene  
Concen: 2.421 ug/L  
RT: 9.697 min Scan# 2599  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Tgt Ion:106 Resp: 9934  
Ion Ratio Lower Upper  
106 100  
91 180.4 142.2 264.2





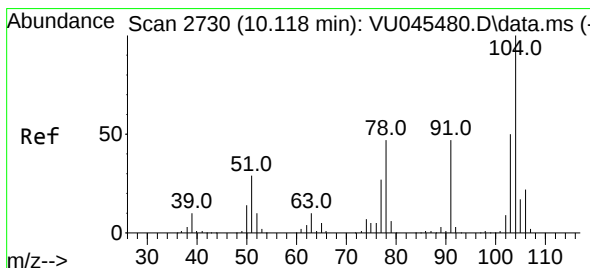
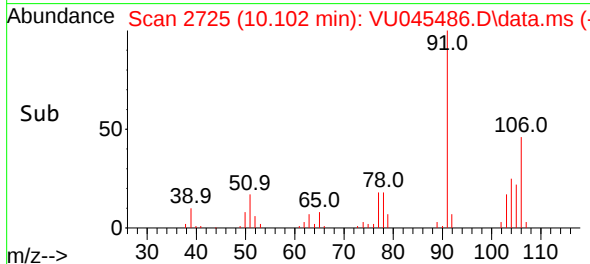
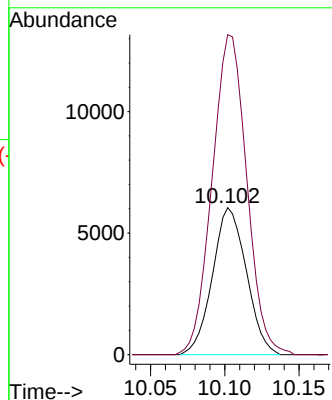
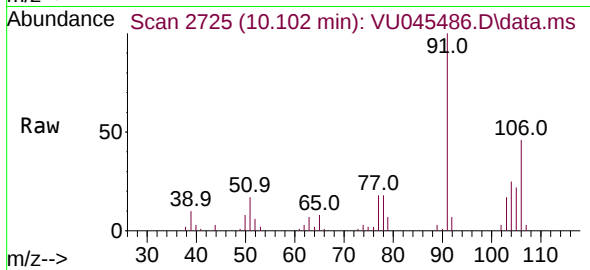
#54  
o-xylene  
Concen: 2.364 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion:106 Resp: 9609  
Ion Ratio Lower Upper  
106 100  
91 217.7 155.2 288.2

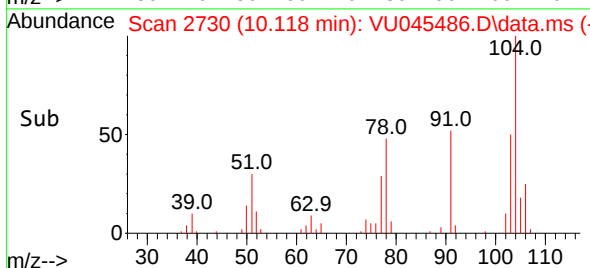
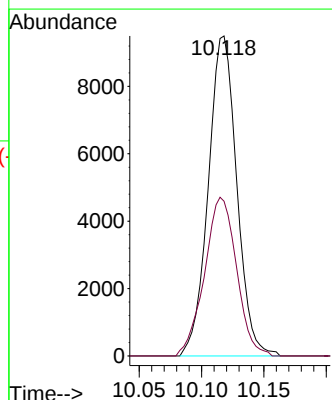
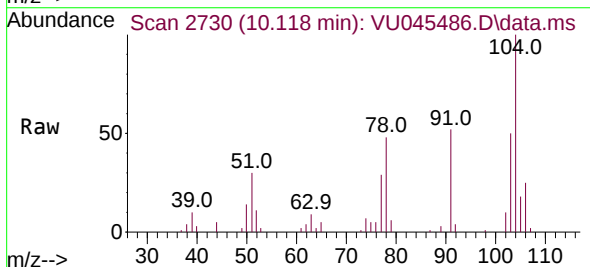
Manual Integrations  
APPROVED

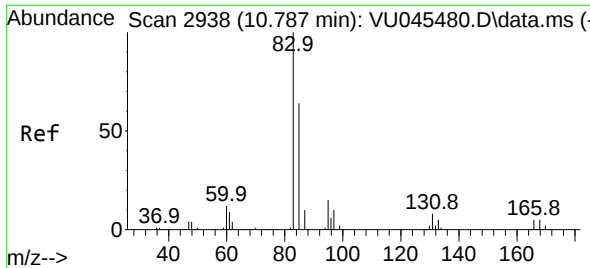
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#55  
Styrene  
Concen: 2.219 ug/L  
RT: 10.118 min Scan# 2730  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Tgt Ion:104 Resp: 15153  
Ion Ratio Lower Upper  
104 100  
78 48.4 32.6 60.6





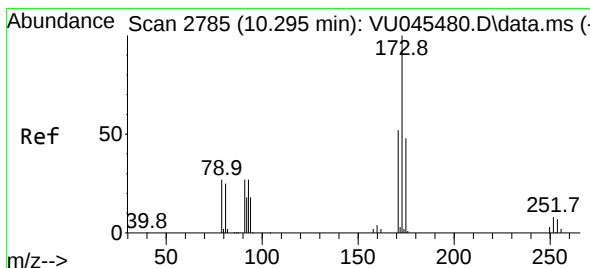
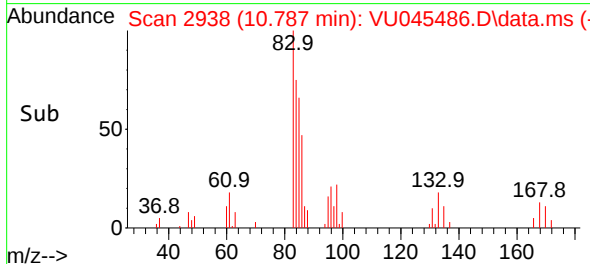
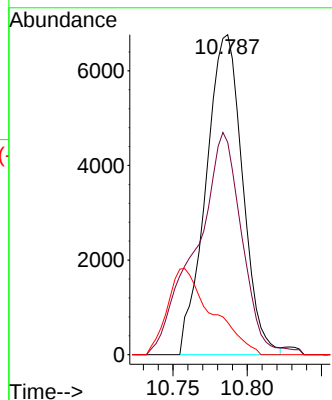
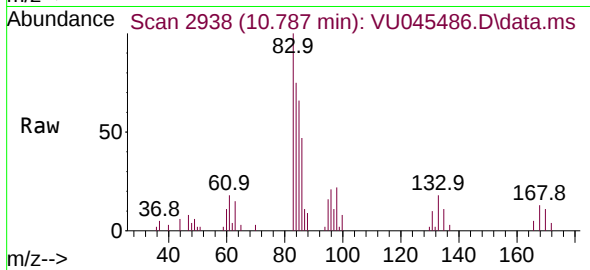
#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.726 ug/L  
RT: 10.787 min Scan# 2938  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion: 83 Resp: 11600  
Ion Ratio Lower Upper  
83 100  
85 66.3 46.0 85.4  
131 10.1 7.0 10.4

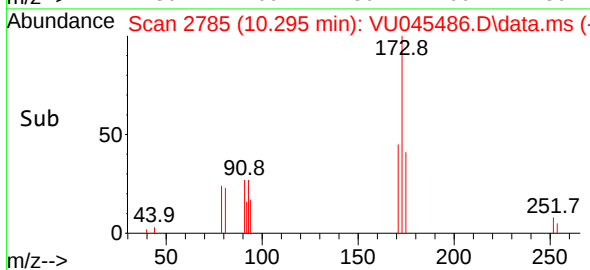
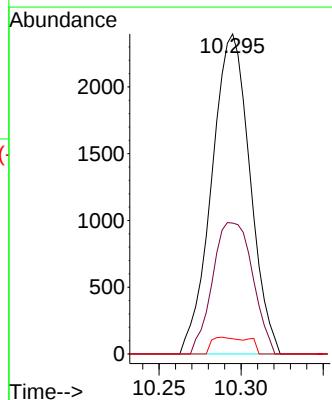
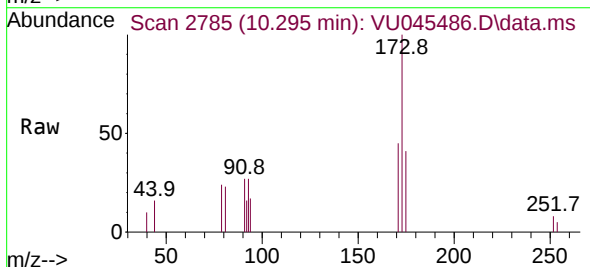
Manual Integrations  
APPROVED

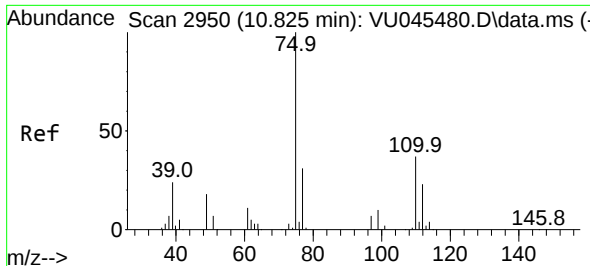
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#59  
Bromoform  
Concen: 2.452 ug/L  
RT: 10.295 min Scan# 2785  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Tgt Ion:173 Resp: 3872  
Ion Ratio Lower Upper  
173 100  
175 43.1 38.7 58.1  
254 4.0 5.8 8.8#





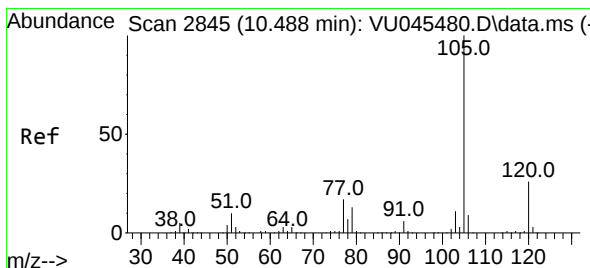
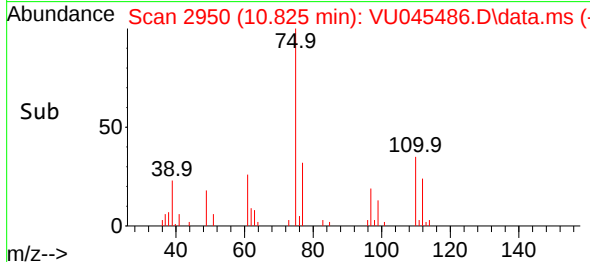
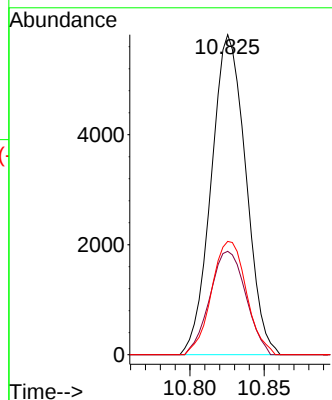
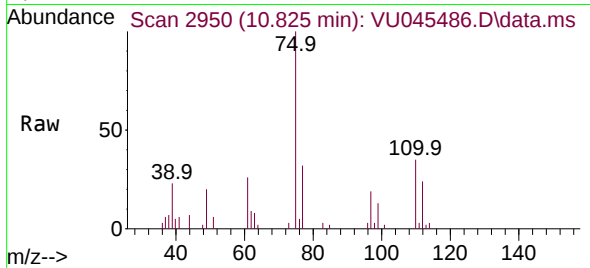
#60  
1,2,3-Trichloropropane  
Concen: 2.784 ug/L  
RT: 10.825 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion: 75 Resp: 938  
Ion Ratio Lower Upper  
75 100  
77 33.7 25.9 38.9  
110 35.8 29.8 44.8

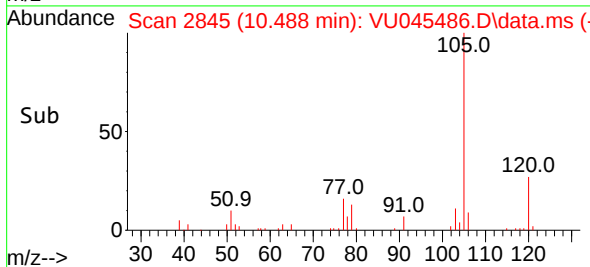
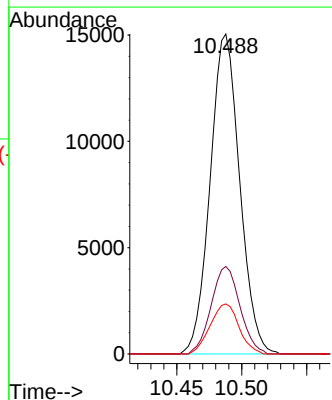
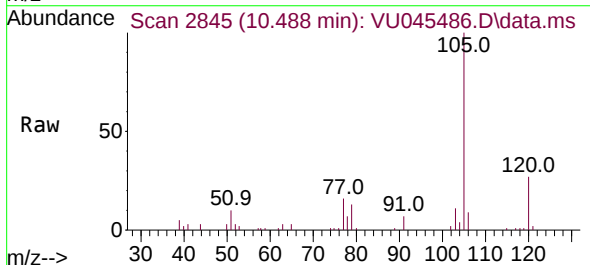
Manual Integrations  
APPROVED

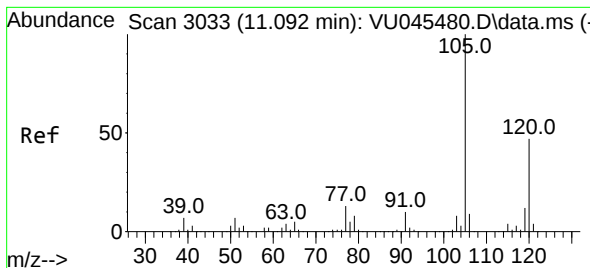
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#61  
Isopropylbenzene  
Concen: 2.349 ug/L  
RT: 10.488 min Scan# 2845  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

Tgt Ion:105 Resp: 23776  
Ion Ratio Lower Upper  
105 100  
120 26.6 20.4 30.6  
77 15.2 13.3 19.9





#62

1,3,5-Trimethylbenzene

Concen: 2.237 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

Tgt Ion:105 Resp: 1928

Ion Ratio Lower Upper

105 100

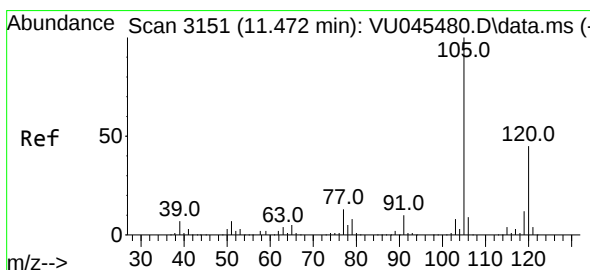
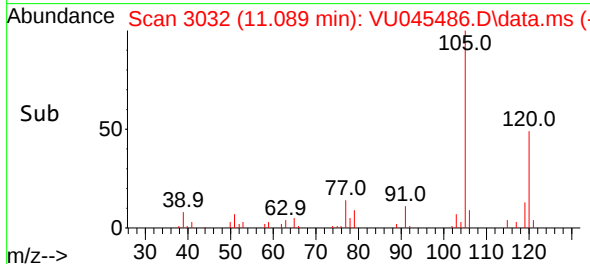
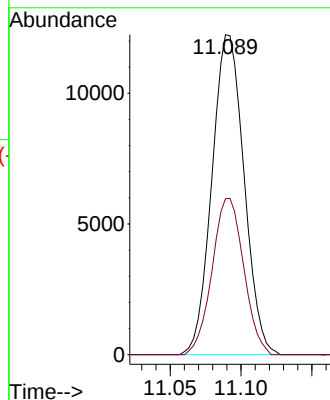
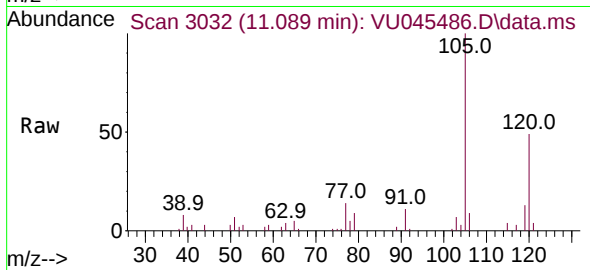
120 48.1 38.5 57.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021

Supervised By :Semsettin Yesilyurt 11/09/2021



#63

1,2,4-Trimethylbenzene

Concen: 2.264 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU045486.D

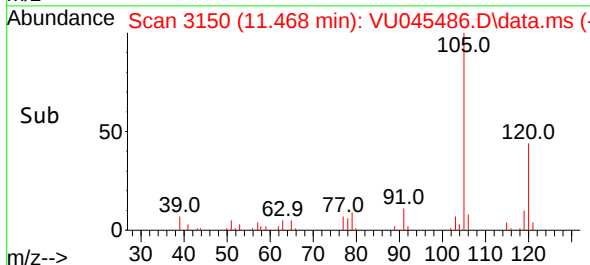
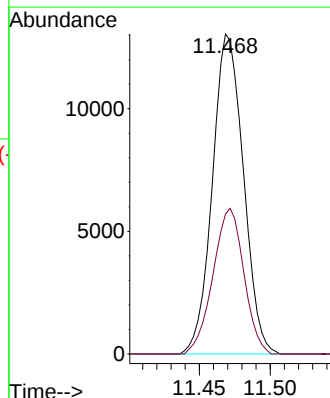
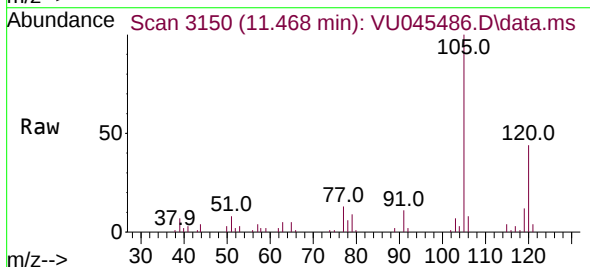
Acq: 01 Nov 2021 13:30

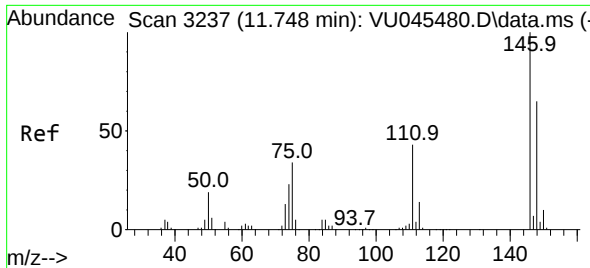
Tgt Ion:105 Resp: 19833

Ion Ratio Lower Upper

105 100

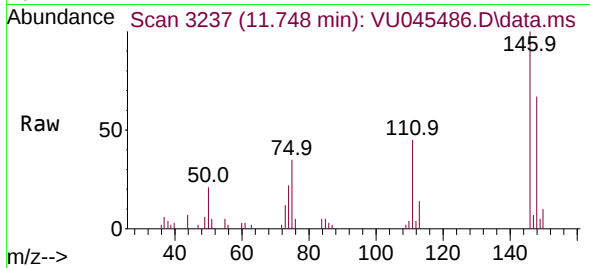
120 45.3 35.6 53.4





#64  
1,3-Dichlorobenzene  
Concen: 2.437 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

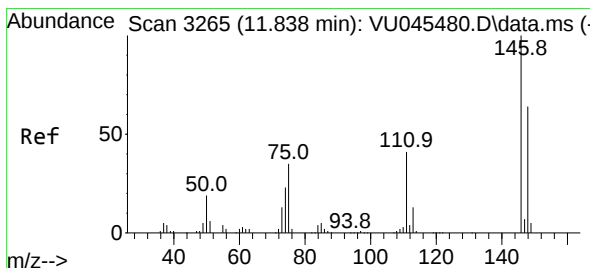
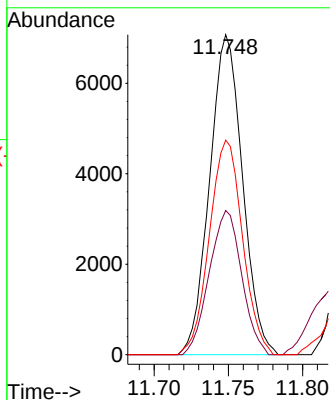
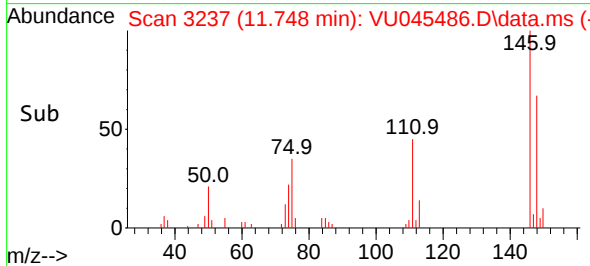
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



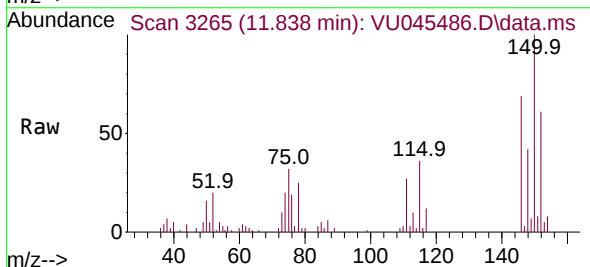
Tgt Ion:146 Resp: 10908  
Ion Ratio Lower Upper  
146 100  
111 45.0 29.8 55.4  
148 67.1 44.1 81.9

Manual Integrations  
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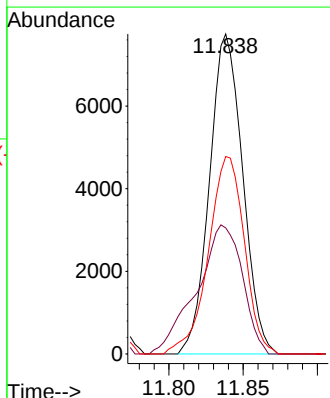
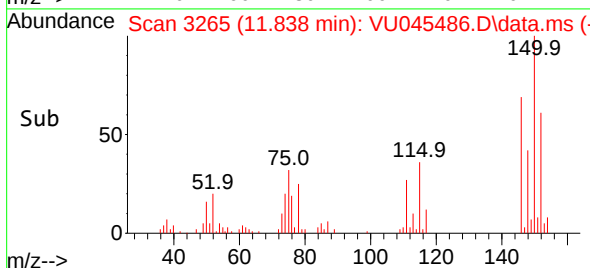
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021

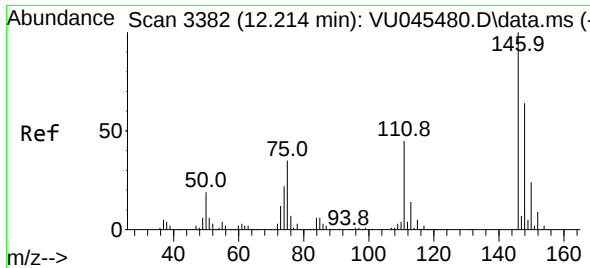


#65  
1,4-Dichlorobenzene  
Concen: 2.661 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30



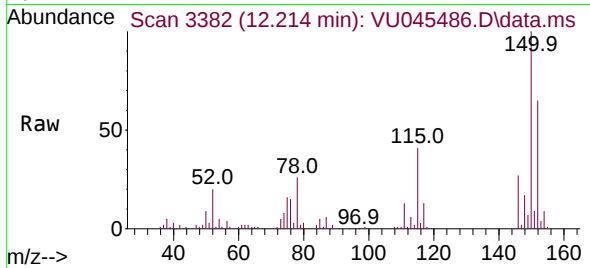
Tgt Ion:146 Resp: 12053  
Ion Ratio Lower Upper  
146 100  
111 39.4 28.6 53.0  
148 61.7 44.5 82.7





#67  
1,2-Dichlorobenzene  
Concen: 2.638 ug/L  
RT: 12.214 min Scan# 3382  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

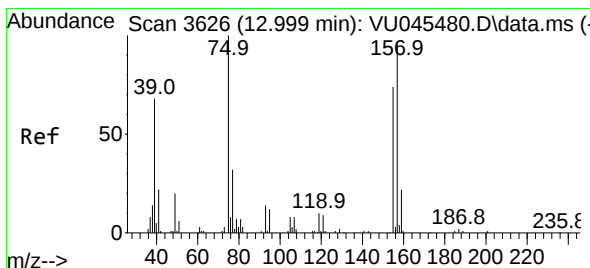
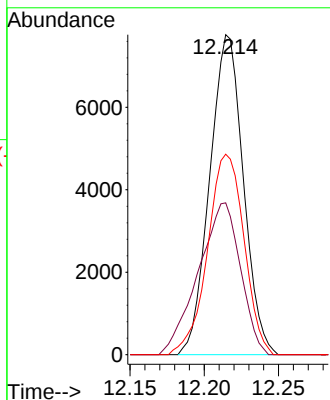
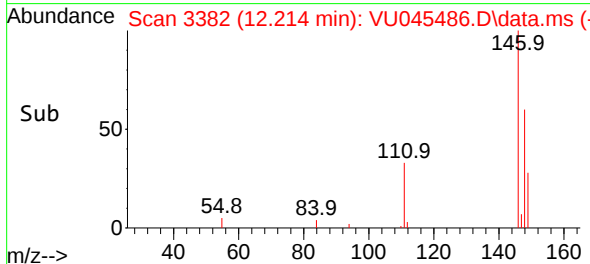
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



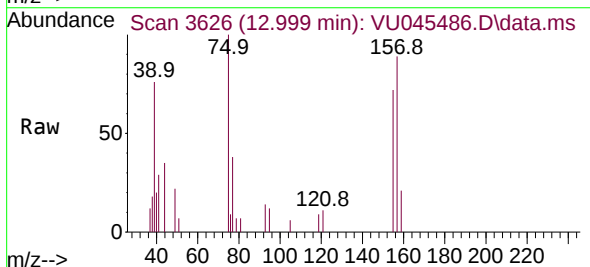
Tgt Ion:146 Resp: 12220  
Ion Ratio Lower Upper  
146 100  
111 47.5 34.6 52.0  
148 62.7 51.2 76.8

Manual Integrations  
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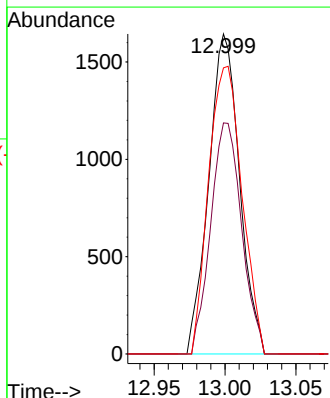
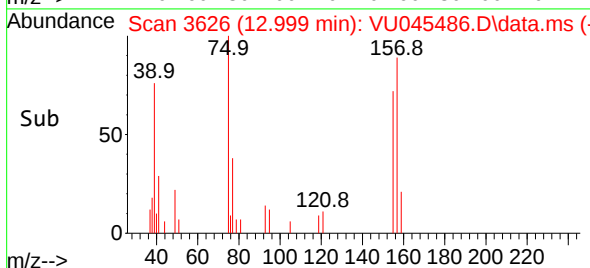
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021

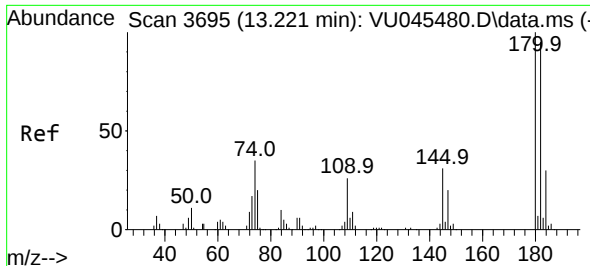


#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.524 ug/L  
RT: 12.999 min Scan# 3626  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30



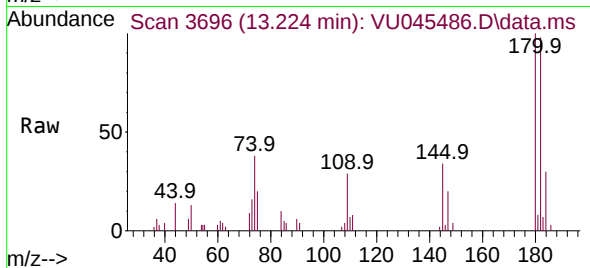
Tgt Ion: 75 Resp: 2485  
Ion Ratio Lower Upper  
75 100  
155 72.2 60.0 90.0  
157 89.4 77.9 116.9





#69  
1,3,5-Trichlorobenzene  
Concen: 2.337 ug/L  
RT: 13.224 min Scan# 3696  
Delta R.T. 0.003 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

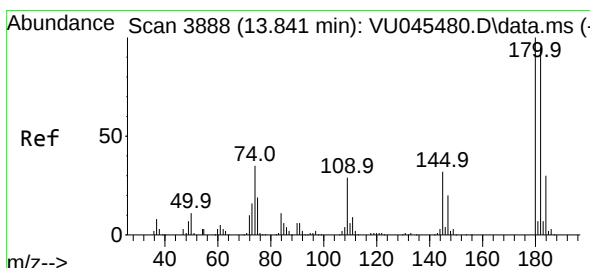
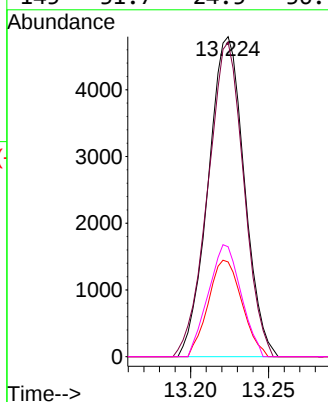
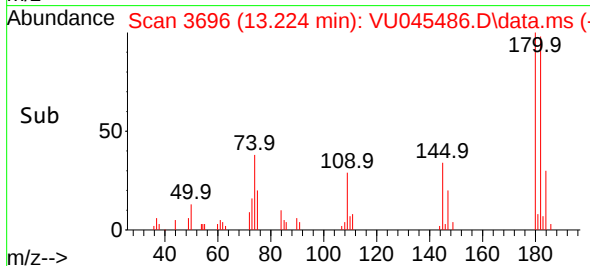
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



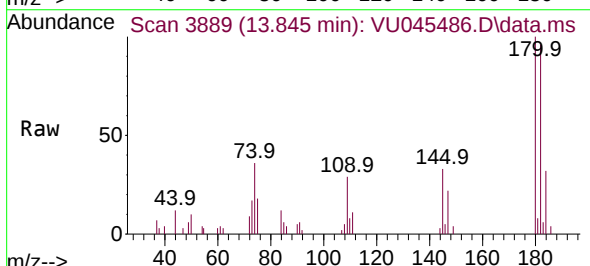
Tgt Ion:180 Resp: 7719  
Ion Ratio Lower Upper  
180 100  
182 97.3 76.6 114.8  
184 28.1 23.9 35.9  
145 31.7 24.5 36.7

Manual Integrations  
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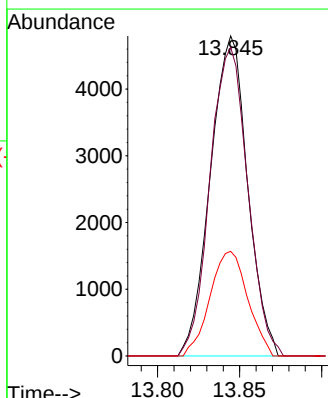
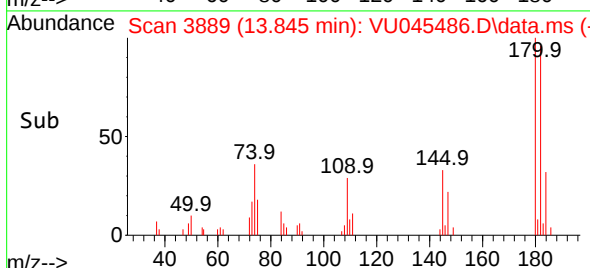
Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021

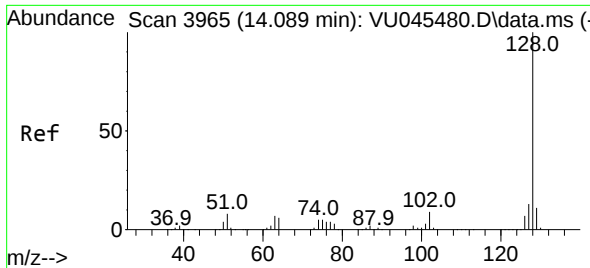


#70  
1,2,4-trichlorobenzene  
Concen: 2.506 ug/L  
RT: 13.845 min Scan# 3889  
Delta R.T. 0.003 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30



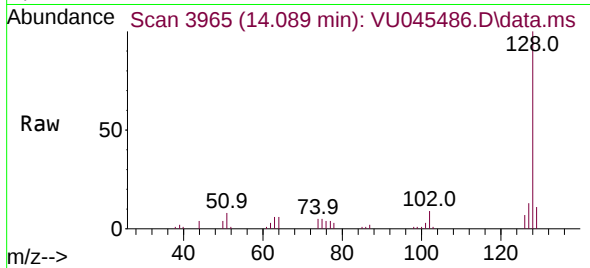
Tgt Ion:180 Resp: 7559  
Ion Ratio Lower Upper  
180 100  
182 97.4 76.1 114.1  
145 33.1 25.3 37.9





#71  
Naphthalene  
Concen: 2.408 ug/L  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30

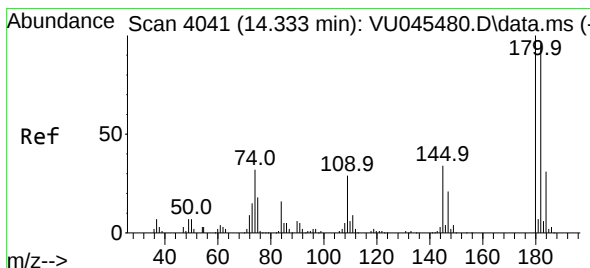
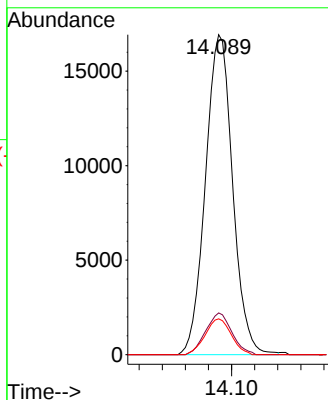
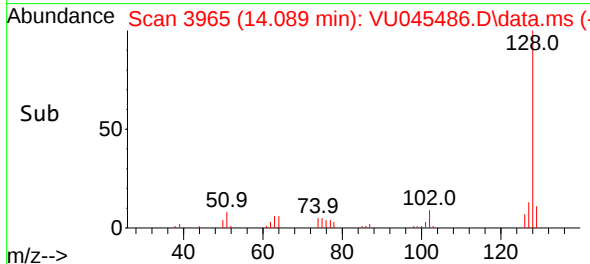
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



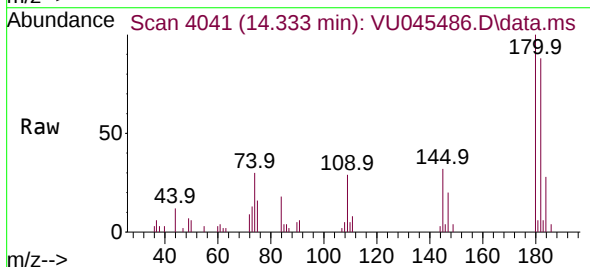
Tgt Ion:128 Resp: 27679  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.4 15.6  
129 10.7 8.6 13.0

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021  
Supervised By :Semsettin Yesilyurt 11/09/2021



#72  
1,2,3-Trichlorobenzene  
Concen: 2.643 ug/L  
RT: 14.333 min Scan# 4041  
Delta R.T. 0.000 min  
Lab File: VU045486.D  
Acq: 01 Nov 2021 13:30



Tgt Ion:180 Resp: 8160  
Ion Ratio Lower Upper  
180 100  
182 91.5 75.7 113.5  
145 34.2 27.0 40.4

