

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120722\  
 Data File : VU052196.D  
 Acq On : 07 Dec 2022 12:55  
 Operator : JC/MD  
 Sample : MDL05  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL05

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 12/08/2022  
 Supervised By :Mahesh Dadoda 12/09/2022

Quant Time: Dec 08 04:14:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 08 01:59:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247          | 114  | 223516     | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414          | 117  | 227959     | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809         | 152  | 87248      | 5.000    | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 99384      | 4.571    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 40 - 130 |      | Recovery = | 91.400%  |        |          |
| 7) Chloroethane-d5            | 1.912          | 69   | 81666      | 4.836    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 65 - 130 |      | Recovery = | 96.800%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565          | 65   | 36824      | 4.725    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 60 - 125 |      | Recovery = | 94.600%  |        |          |
| 20) 2-Butanone-d5             | 4.639          | 46   | 178969     | 45.413   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 40 - 130 |      | Recovery = | 90.820%  |        |          |
| 24) Chloroform-d              | 5.060          | 84   | 160725     | 5.031    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 100.600% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 79295      | 4.914    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 98.200%  |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 315052     | 4.655    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 93.200%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 103521     | 4.943    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 60 - 140 |      | Recovery = | 98.800%  |        |          |
| 41) Toluene-d8                | 7.896          | 98   | 247222     | 4.037    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 80.800%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.176          | 79   | 32694      | 4.284    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 55 - 130 |      | Recovery = | 85.600%  |        |          |
| 46) 2-Hexanone-d5             | 8.632          | 63   | 133934     | 41.408   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 45 - 130 |      | Recovery = | 82.820%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754         | 84   | 85040      | 4.683    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 65 - 120 |      | Recovery = | 93.600%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 85044      | 5.091    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 80 - 120 |      | Recovery = | 101.800% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385          | 85   | 4099       | 0.211    | ug/L   | 98       |
| 3) Chloromethane              | 1.523          | 50   | 7072       | 0.280    | ug/L   | 86       |
| 5) Vinyl chloride             | 1.600          | 62   | 5179       | 0.213    | ug/L # | 67       |
| 6) Bromomethane               | 1.854          | 94   | 2548       | 0.204    | ug/L   | 93       |
| 8) Chloroethane               | 1.935          | 64   | 3207       | 0.212    | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 2.137          | 101  | 6087       | 0.228    | ug/L   | 95       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575          | 101  | 4898       | 0.300    | ug/L # | 84       |
| 12) 1,1-Dichloroethene        | 2.575          | 96   | 4413       | 0.272    | ug/L # | 1        |
| 14) Carbon disulfide          | 2.793          | 76   | 12580      | 0.224    | ug/L   | 96       |
| 16) Methylene chloride        | 3.044          | 84   | 10288      | 0.469    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 3.366          | 73   | 6533       | 0.180    | ug/L # | 95       |
| 18) trans-1,2-Dichloroethene  | 3.356          | 96   | 3699       | 0.213    | ug/L   | 85       |
| 19) 1,1-Dichloroethane        | 3.867          | 63   | 6673       | 0.213    | ug/L   | 97       |
| 21) 2-Butanone                | 4.745          | 43   | 8757m      | 2.042    | ug/L   |          |
| 22) cis-1,2-Dichloroethene    | 4.668          | 96   | 3735       | 0.205    | ug/L   | 85       |
| 23) Bromochloromethane        | 4.973          | 128  | 1782       | 0.204    | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 5.796          | 62   | 3895       | 0.200    | ug/L # | 94       |
| 29) 1,1,1-Trichloroethane     | 5.317          | 97   | 5128       | 0.203    | ug/L   | 93       |
| 30) Cyclohexane               | 5.385          | 56   | 4293       | 0.175    | ug/L # | 95       |

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 Operator : JC/MD  
 Sample : MDL05  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL05

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 12/08/2022  
 Supervised By :Mahesh Dadoda 12/09/2022

Quant Time: Dec 08 04:14:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 08 01:59:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 31) Carbon tetrachloride      | 5.526  | 117  | 4631     | 0.215 | ug/L   | 99       |
| 33) Benzene                   | 5.774  | 78   | 15236    | 0.205 | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 3627     | 0.196 | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 4786     | 0.180 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 4011     | 0.209 | ug/L # | 88       |
| 38) Bromodichloromethane      | 7.108  | 83   | 4936     | 0.211 | ug/L # | 91       |
| 39) cis-1,3-Dichloropropene   | 7.603  | 75   | 4339     | 0.176 | ug/L   | 89       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 14901    | 1.485 | ug/L # | 85       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 4168     | 0.197 | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 3218     | 0.223 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.809  | 129  | 3512     | 0.217 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 2501     | 0.190 | ug/L # | 87       |
| 51) Chlorobenzene             | 9.446  | 112  | 10397    | 0.214 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.568  | 91   | 12054    | 0.162 | ug/L   | 96       |
| 53) m,p-Xylene                | 9.693  | 106  | 4112     | 0.143 | ug/L   | 89       |
| 54) o-Xylene                  | 10.099 | 106  | 4264     | 0.155 | ug/L   | 86       |
| 55) Styrene                   | 10.118 | 104  | 5908     | 0.127 | ug/L   | 89       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 3879     | 0.215 | ug/L # | 98       |
| 59) Bromoform                 | 10.288 | 173  | 1840     | 0.256 | ug/L # | 93       |
| 60) Isopropylbenzene          | 10.481 | 105  | 10021    | 0.183 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 10.819 | 75   | 2483     | 0.249 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.082 | 105  | 6917     | 0.158 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 6734     | 0.155 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 5404     | 0.193 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 6025     | 0.216 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146  | 6127     | 0.227 | ug/L # | 89       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 418      | 0.191 | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 4561     | 0.230 | ug/L # | 91       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 3349     | 0.222 | ug/L   | 93       |
| 71) Naphthalene               | 14.095 | 128  | 4784     | 0.169 | ug/L # | 87       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 2753     | 0.185 | ug/L   | 97       |

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

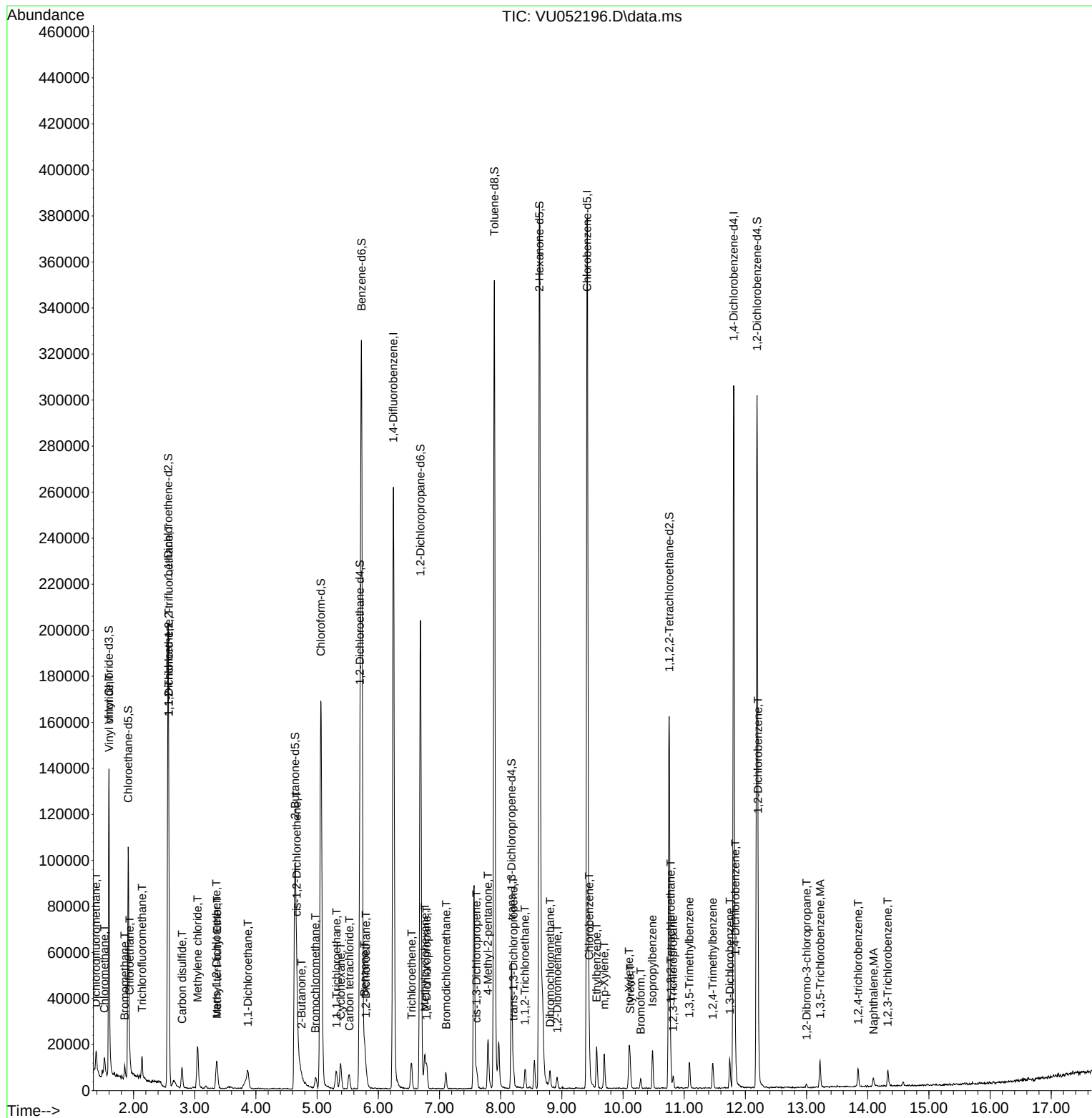
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
Data File : VU052196.D
Acq On    : 07 Dec 2022  12:55
Operator  : JC/MD
Sample    : MDL05
Misc      : 25.0mL/MSVOA_U/WATER
ALS Vial  : 7   Sample Multiplier: 1
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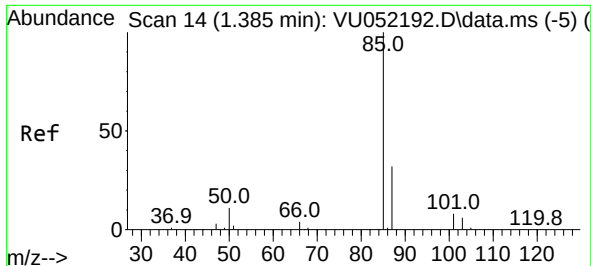
**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
MDL05

## Manual Integrations

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Supervised By :Mahesh Dadoda 12/09/2022

Quant Time: Dec 08 04:14:37 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Dec 08 01:59:42 2022  
Response via : Initial Calibration





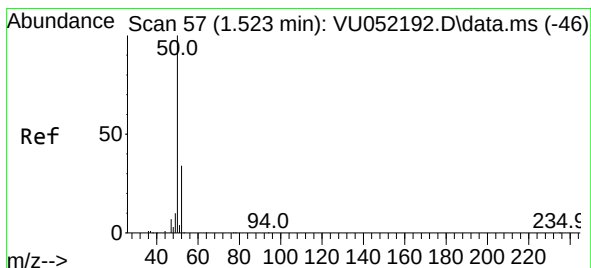
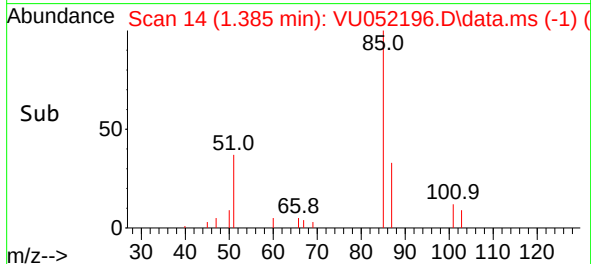
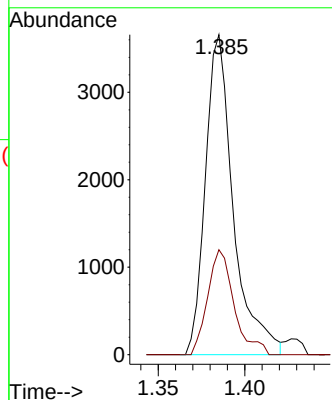
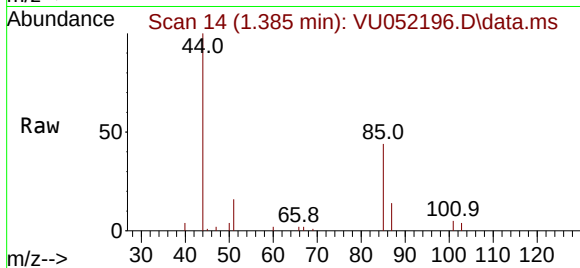
#2  
Dichlorodifluoromethane  
Concen: 0.211 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion: 85 Resp: 4099  
Ion Ratio Lower Upper  
85 100  
87 31.0 25.8 38.8

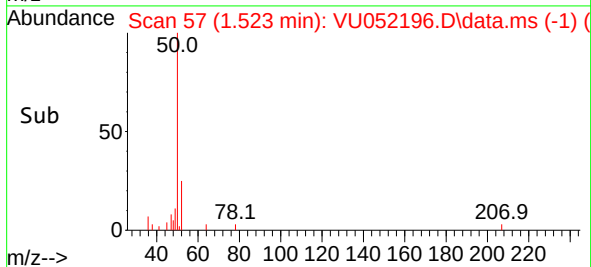
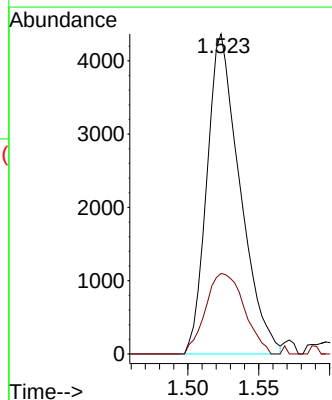
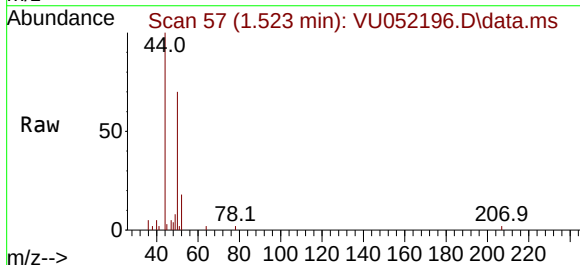
Manual Integrations  
APPROVED

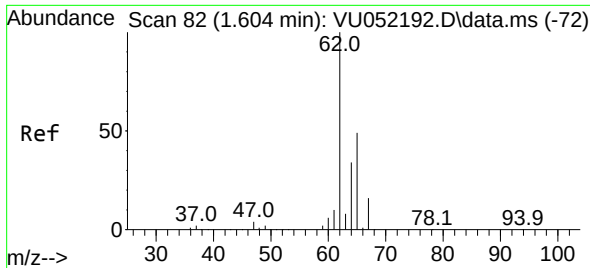
Reviewed By :Krupa Patel 12/08/2022  
Supervised By :Mahesh Dadoda 12/09/2022



#3  
Chloromethane  
Concen: 0.280 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Tgt Ion: 50 Resp: 7072  
Ion Ratio Lower Upper  
50 100  
52 25.2 23.4 43.4





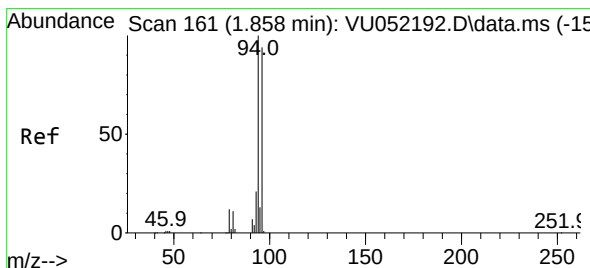
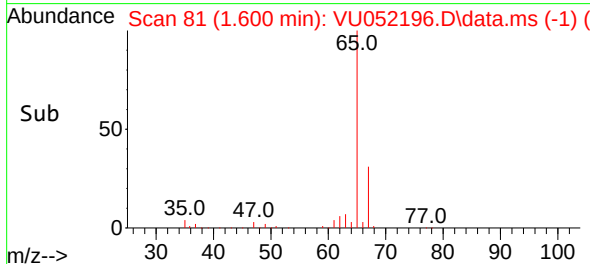
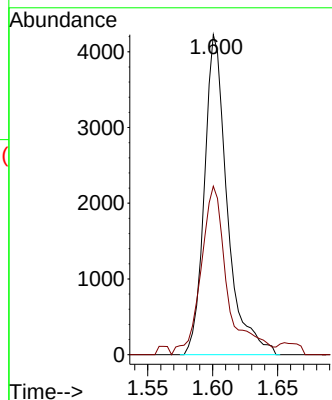
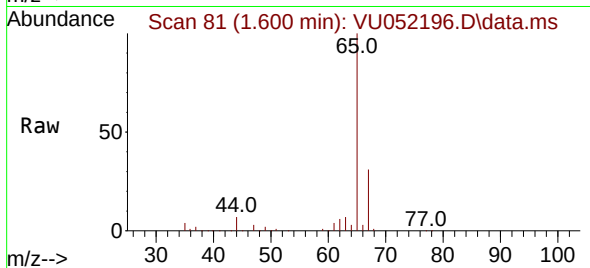
#5  
 Vinyl chloride  
 Concen: 0.213 ug/L  
 RT: 1.600 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VU052196.D  
 Acq: 07 Dec 2022 12:55

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL05

Tgt Ion: 62 Resp: 5179  
 Ion Ratio Lower Upper  
 62 100  
 64 52.7 23.5 43.7

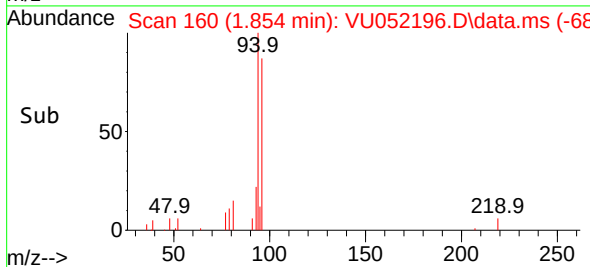
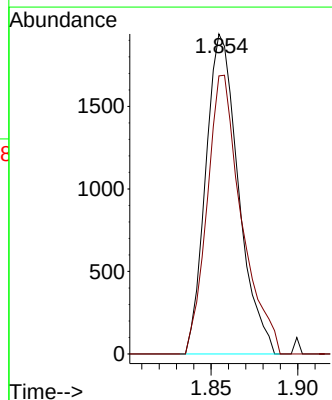
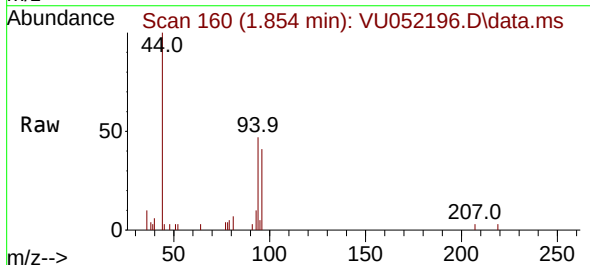
Manual Integrations  
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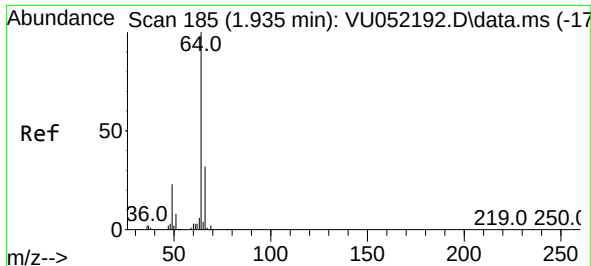
Reviewed By :Krupa Patel 12/08/2022  
 Supervised By :Mahesh Dadoda 12/09/2022



#6  
 Bromomethane  
 Concen: 0.204 ug/L  
 RT: 1.854 min Scan# 160  
 Delta R.T. -0.003 min  
 Lab File: VU052196.D  
 Acq: 07 Dec 2022 12:55

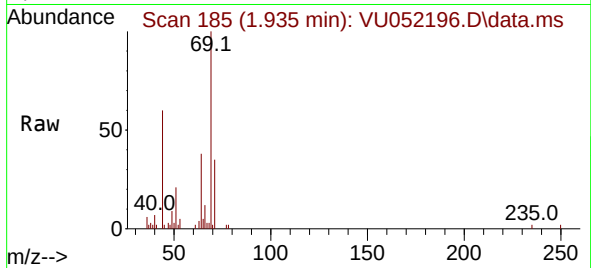
Tgt Ion: 94 Resp: 2548  
 Ion Ratio Lower Upper  
 94 100  
 96 86.9 65.7 122.1





#8  
Chloroethane  
Concen: 0.212 ug/L  
RT: 1.935 min Scan# 185  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

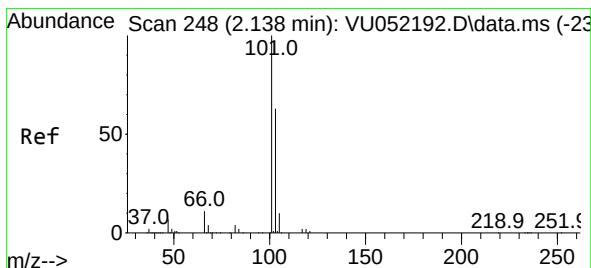
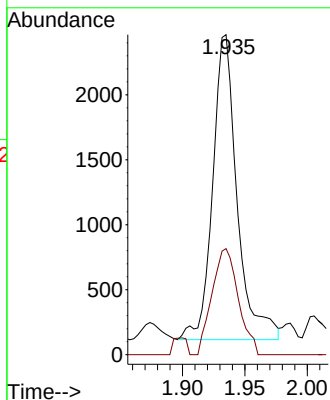
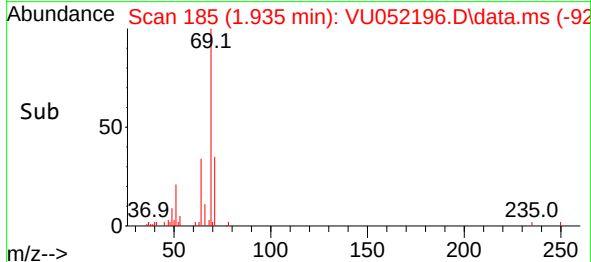
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



Tgt Ion: 64 Resp: 320  
Ion Ratio Lower Upper  
64 100  
66 33.2 21.1 39.1

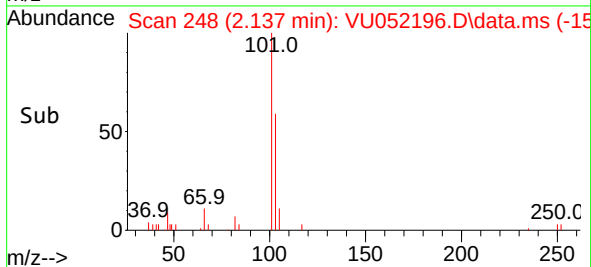
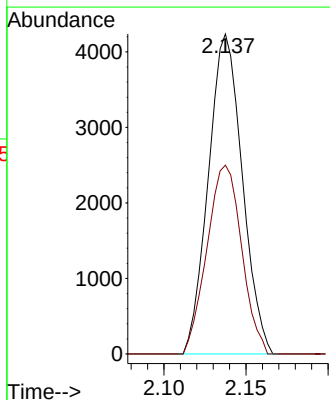
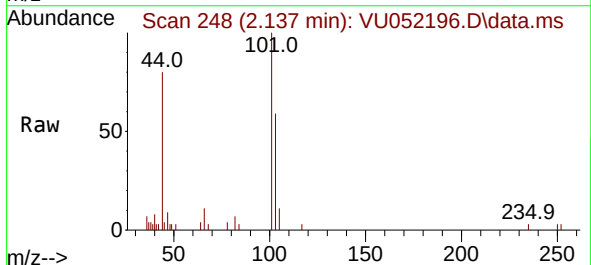
Manual Integrations  
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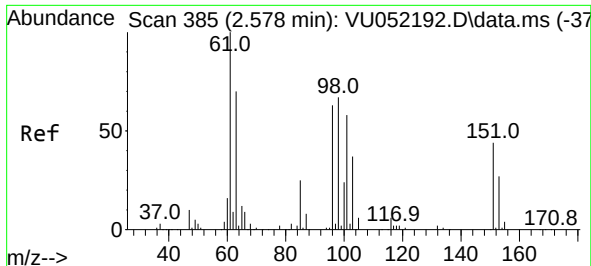
Reviewed By :Krupa Patel 12/08/2022  
Supervised By :Mahesh Dadoda 12/09/2022



#9  
Trichlorofluoromethane  
Concen: 0.228 ug/L  
RT: 2.137 min Scan# 248  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

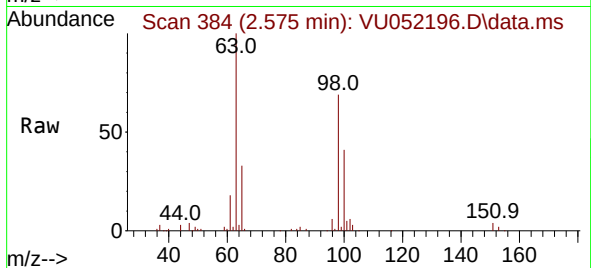
Tgt Ion:101 Resp: 6087  
Ion Ratio Lower Upper  
101 100  
103 60.3 51.6 77.4





#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.300 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

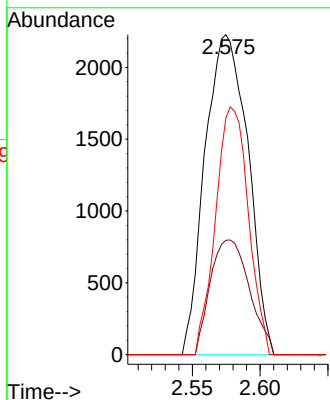
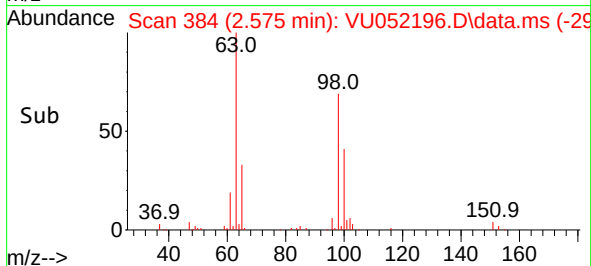
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



Tgt Ion:101 Resp: 4898  
Ion Ratio Lower Upper  
101 100  
85 32.8 33.8 50.6  
151 59.3 58.6 88.0

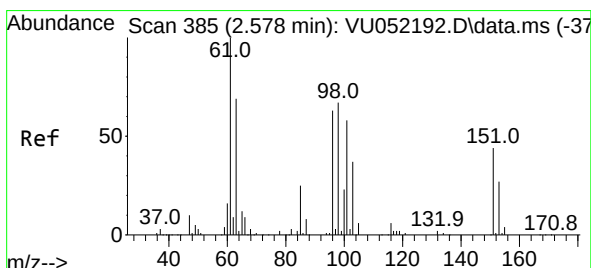
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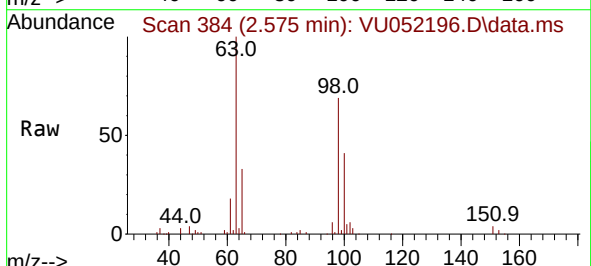


12/08/2022  
Supervised By :Mahesh  
Dadoda

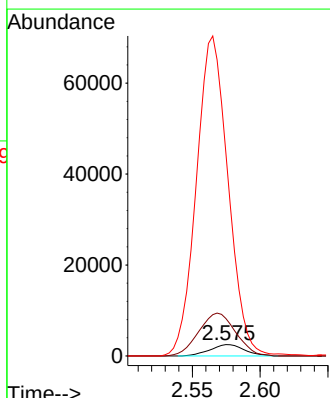
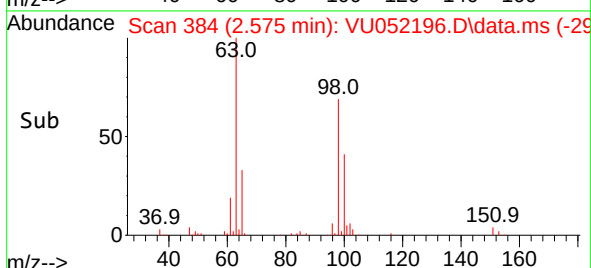
12/09/2022

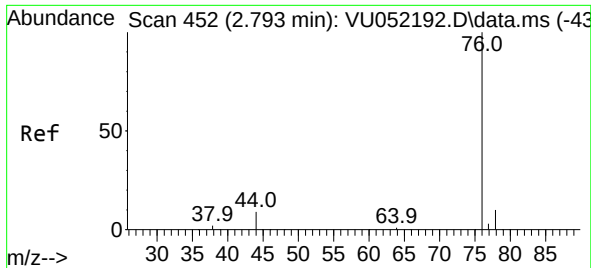


#12  
1,1-Dichloroethene  
Concen: 0.272 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55



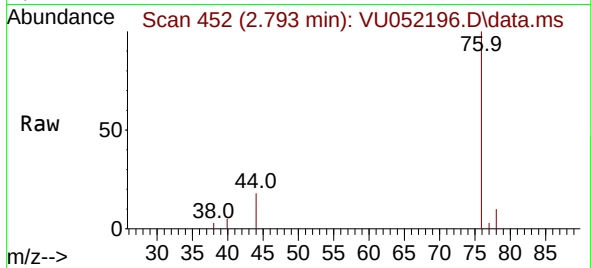
Tgt Ion: 96 Resp: 4413  
Ion Ratio Lower Upper  
96 100  
61 328.7 114.8 213.2#  
63 1781.2 93.7 174.1#





#14  
Carbon disulfide  
Concen: 0.224 ug/L  
RT: 2.793 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

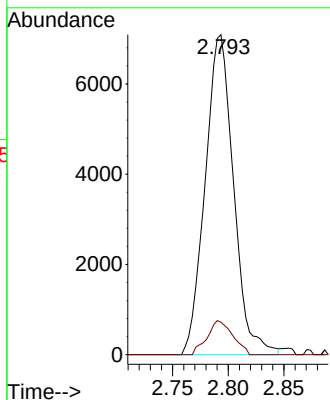
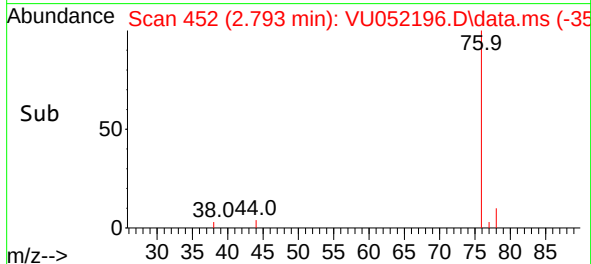
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



Tgt Ion: 76 Resp: 12580  
Ion Ratio Lower Upper  
76 100  
78 10.2 7.0 10.4

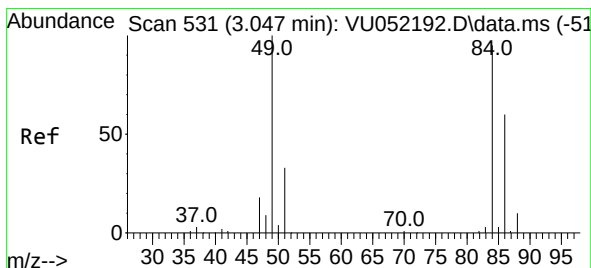
Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 12/08/2022  
Supervised By :Mahesh Dadoda 12/09/2022

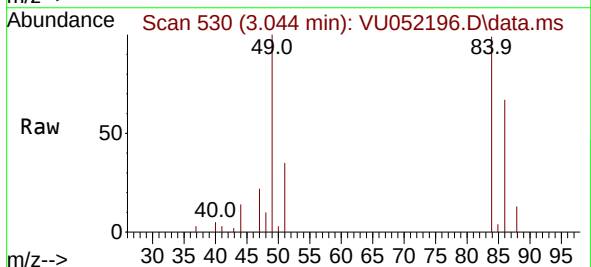


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Supervised By :Mahesh  
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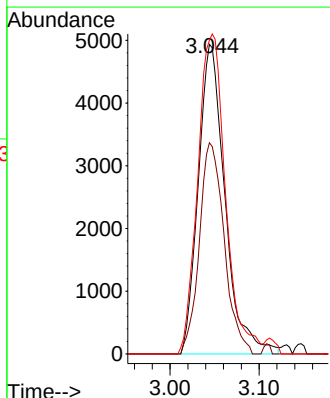
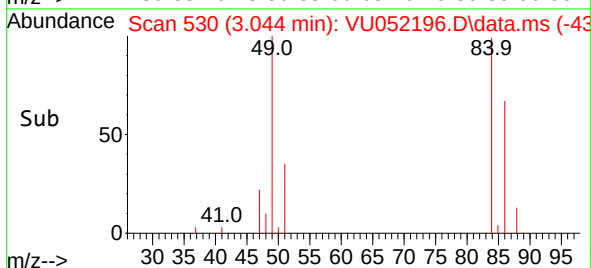
12/09/2022



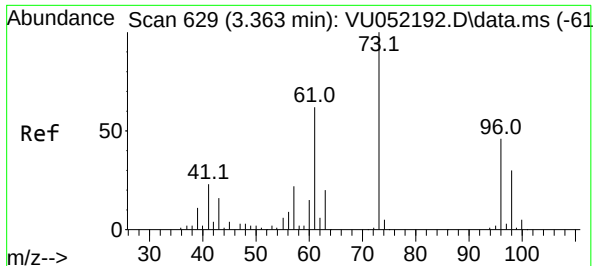
#16  
Methylene chloride  
Concen: 0.469 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. -0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55



Tgt Ion: 84 Resp: 10288  
Ion Ratio Lower Upper  
84 100  
86 68.2 43.8 81.4  
49 101.3 75.9 141.1







#17

Methyl tert-butyl Ether

Concen: 0.180 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

Tgt Ion: 73 Resp: 653

Ion Ratio Lower Upper

73 100

43 21.6 13.2 19.8

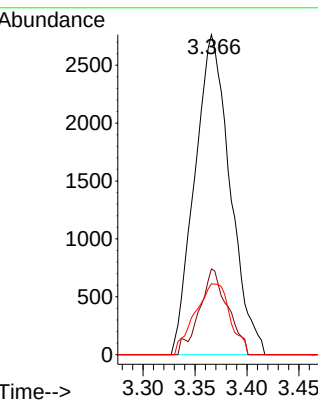
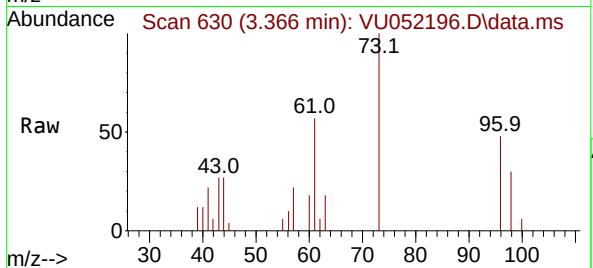
57 22.1 17.8 26.8

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Reviewed By :Krupa Patel 12/08/2022

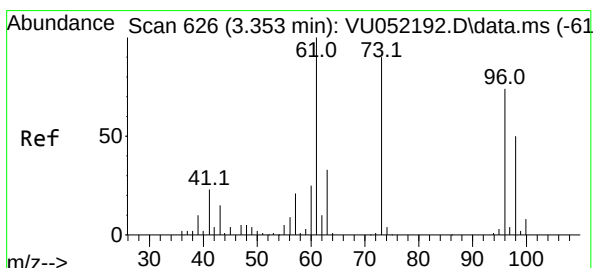
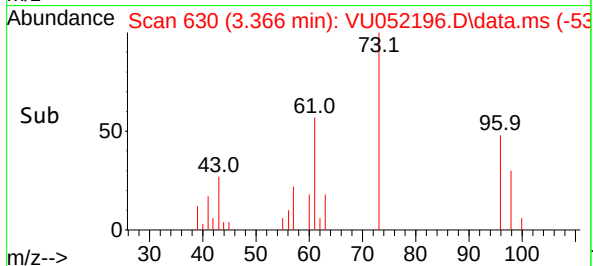
Supervised By :Mahesh Dadoda 12/09/2022



12/08/2022

Supervised By :Mahesh  
Dadoda

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#18

trans-1,2-Dichloroethene

Concen: 0.213 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

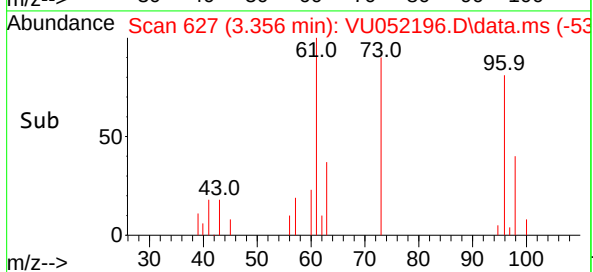
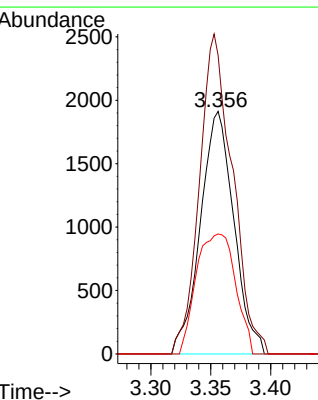
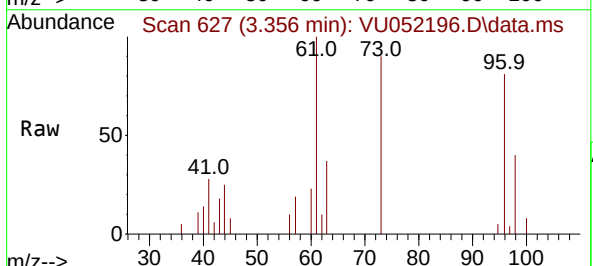
Tgt Ion: 96 Resp: 3699

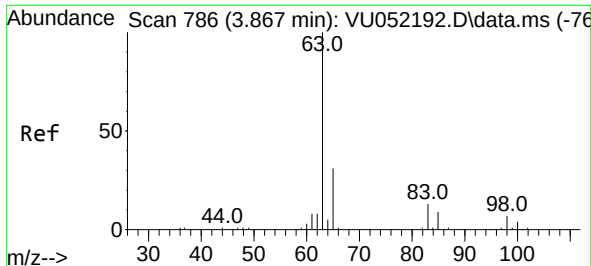
Ion Ratio Lower Upper

96 100

61 123.1 97.9 181.7

98 49.5 43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.213 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

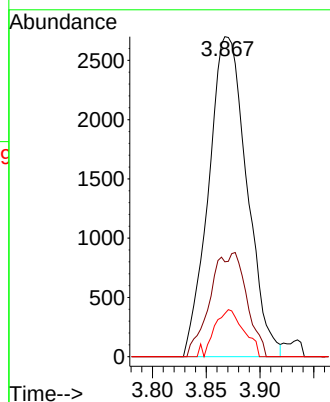
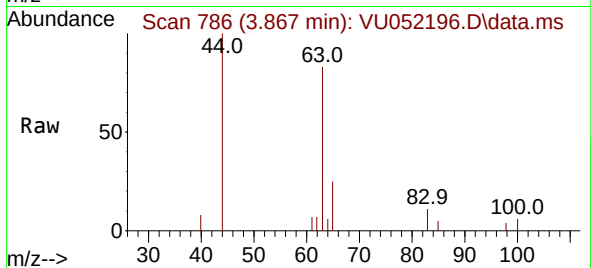
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 667  |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 65        | 29.7  | 22.2  | 41.2 |
| 83        | 13.4  | 9.2   | 17.0 |

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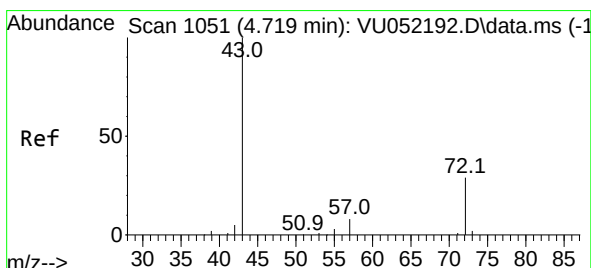
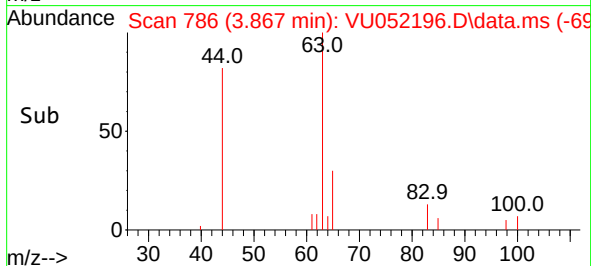
Supervised By :Mahesh Dadoda 12/09/2022



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Supervised By :Mahesh Dadoda

12/09/2022



#21

2-Butanone

Concen: 2.042 ug/L m

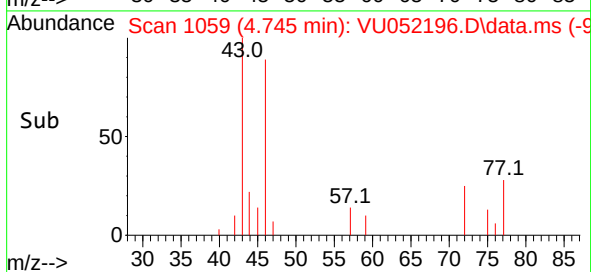
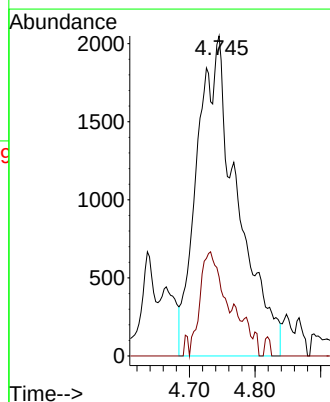
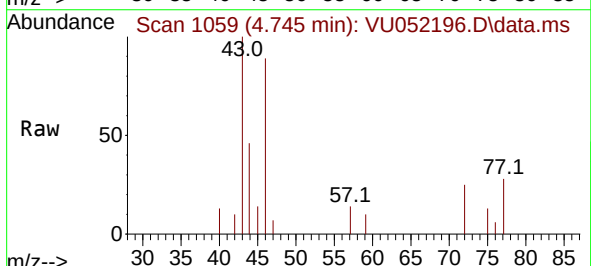
RT: 4.745 min Scan# 1059

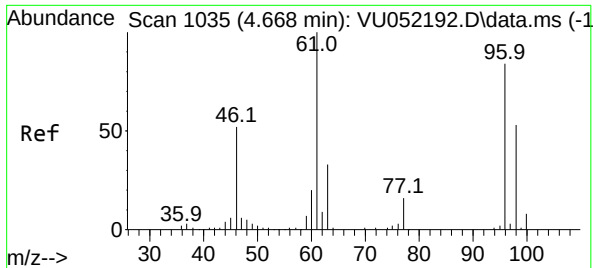
Delta R.T. 0.026 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 43    | Resp: | 8757 |
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 72        | 0.6   | 15.6  | 46.8 |





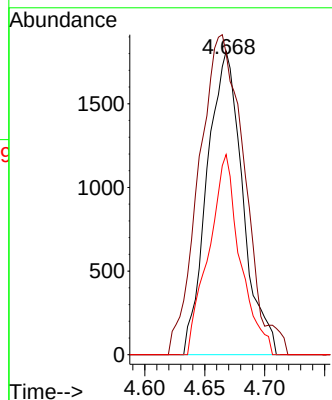
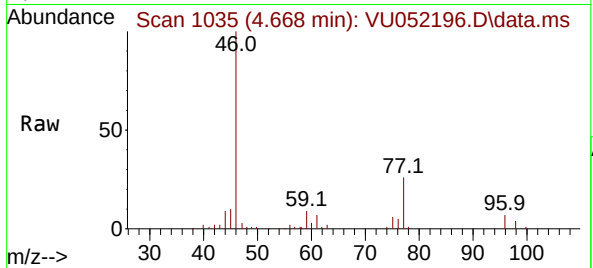
#22  
cis-1,2-Dichloroethene  
Concen: 0.205 ug/L  
RT: 4.668 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion: 96 Resp: 373  
Ion Ratio Lower Upper  
96 100  
61 99.4 85.1 158.1  
98 66.0 42.8 79.6

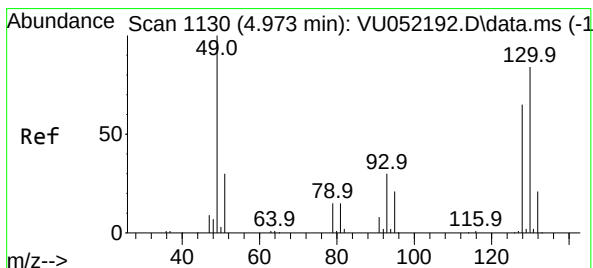
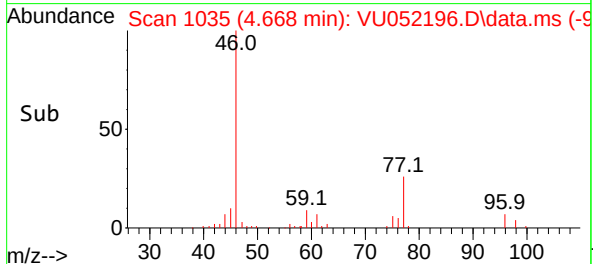
Manual Integrations  
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Reviewed By :Krupa Patel 12/08/2022  
Supervised By :Mahesh Dadoda 12/09/2022



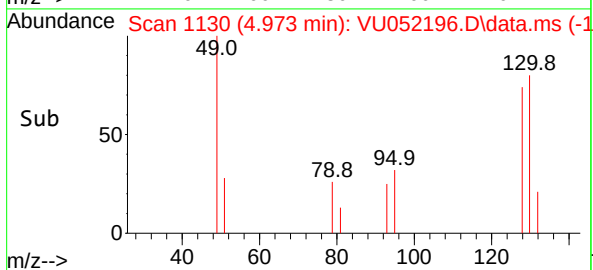
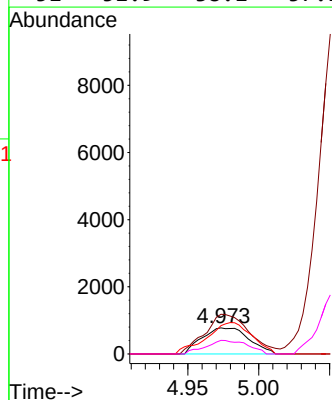
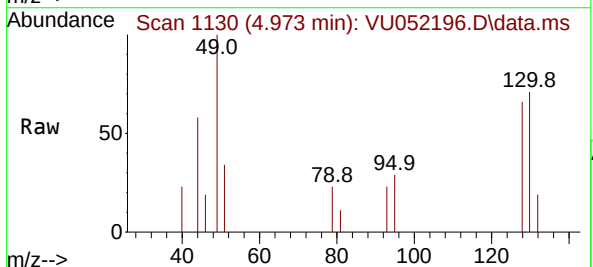
12/08/2022  
Supervised By :Mahesh  
Dadoda

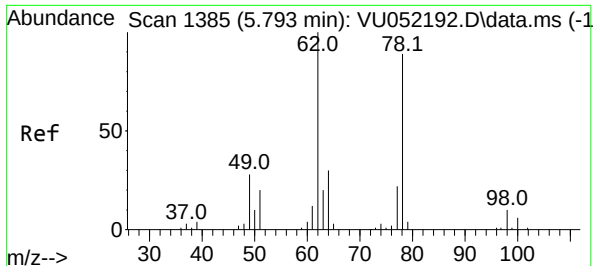
12/09/2022



#23  
Bromochloromethane  
Concen: 0.204 ug/L  
RT: 4.973 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Tgt Ion:128 Resp: 1782  
Ion Ratio Lower Upper  
128 100  
49 152.3 104.0 193.2  
130 108.5 84.6 157.2  
51 51.9 38.1 57.1





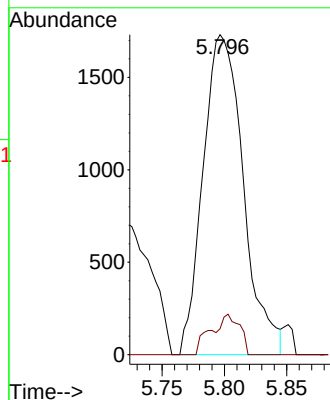
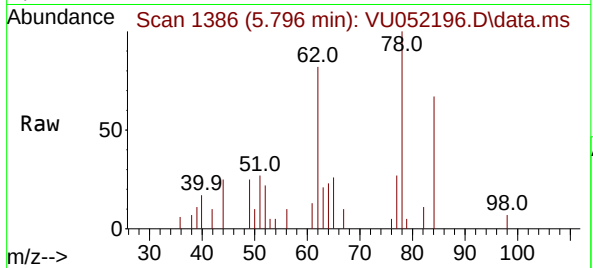
#27  
1,2-Dichloroethane  
Concen: 0.200 ug/L  
RT: 5.796 min Scan# 1385  
Delta R.T. 0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion: 62 Resp: 389  
Ion Ratio Lower Upper  
62 100  
98 8.1 8.4 12.6

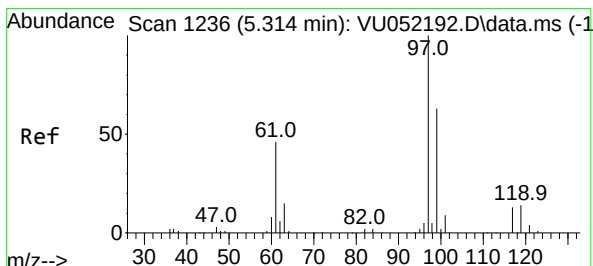
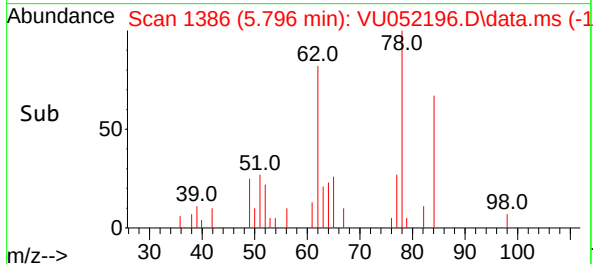
Manual Integrations  
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Reviewed By :Krupa Patel 12/08/2022  
Supervised By :Mahesh Dadoda 12/09/2022



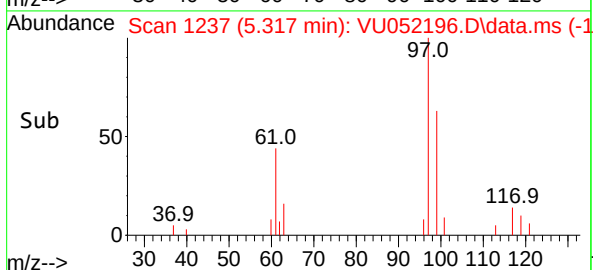
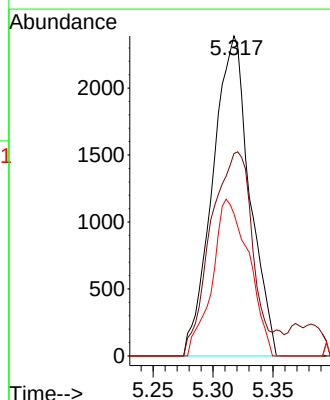
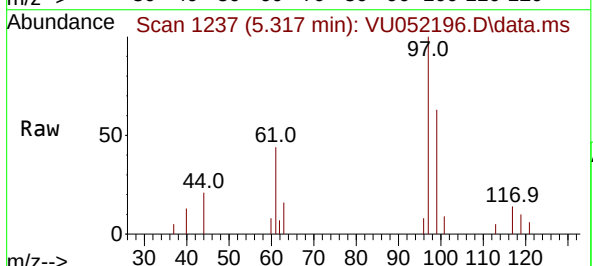
12/08/2022  
Supervised By :Mahesh  
Dadoda

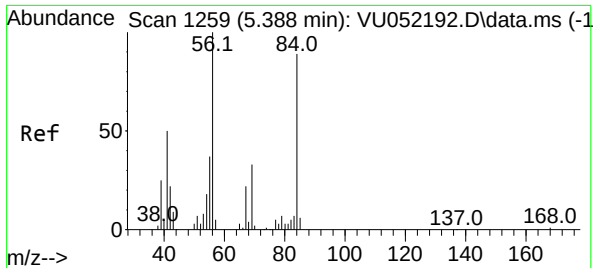
12/09/2022



#29  
1,1,1-Trichloroethane  
Concen: 0.203 ug/L  
RT: 5.317 min Scan# 1237  
Delta R.T. 0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

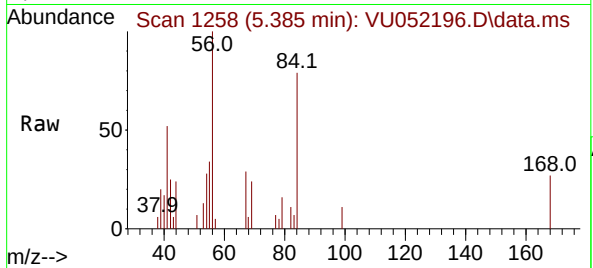
Tgt Ion: 97 Resp: 5128  
Ion Ratio Lower Upper  
97 100  
99 71.6 51.0 76.6  
61 48.5 36.9 55.3





#30  
Cyclohexane  
Concen: 0.175 ug/L  
RT: 5.385 min Scan# 1259  
Delta R.T. -0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

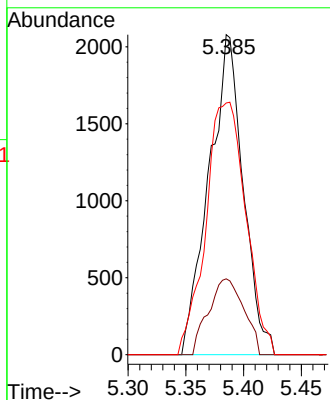
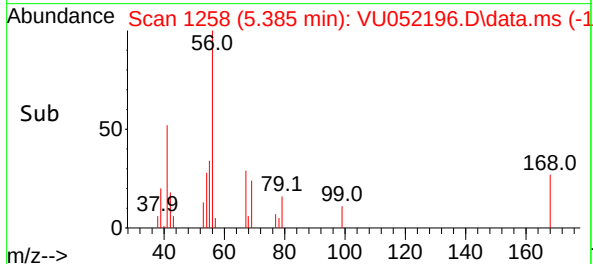
Instrument : MSVOA\_U  
Client SampleId : MDL05



Tgt Ion: 56 Resp: 429  
Ion Ratio Lower Upper  
56 100  
69 24.4 25.6 38.4  
84 92.1 72.0 108.0

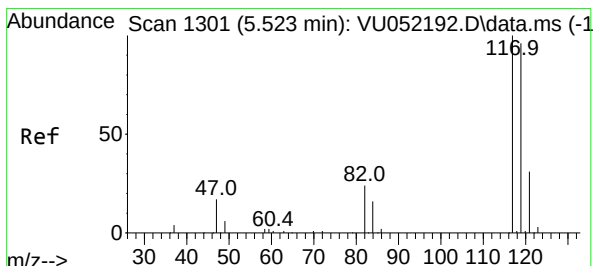
Manual Integrations  
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Reviewed By :Krupa Patel 12/08/2022  
Supervised By :Mahesh Dadoda 12/09/2022

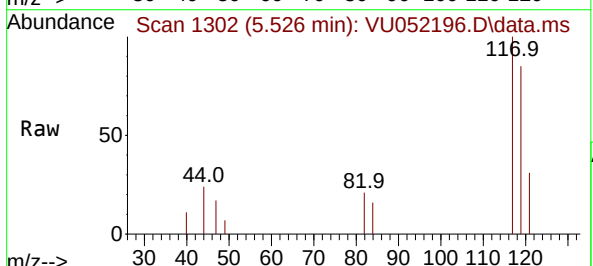


12/08/2022  
Supervised By :Mahesh Dadoda

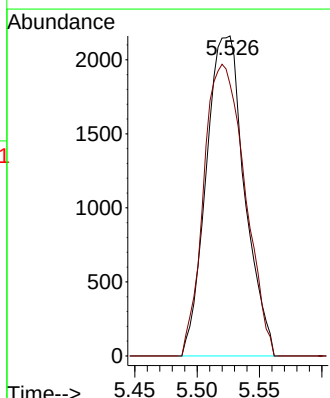
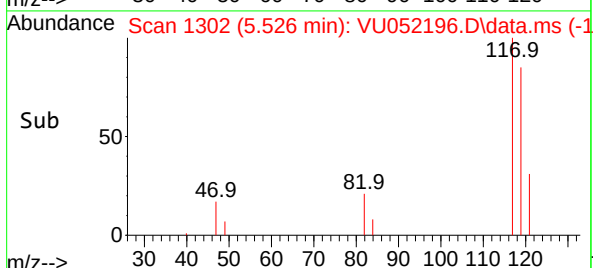
12/09/2022

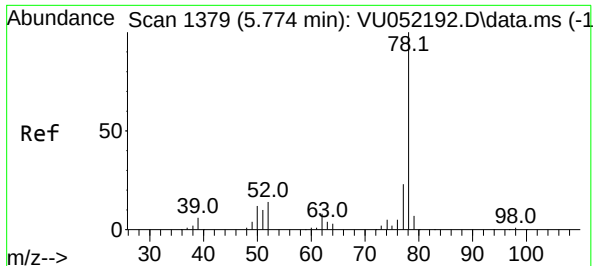


#31  
Carbon tetrachloride  
Concen: 0.215 ug/L  
RT: 5.526 min Scan# 1302  
Delta R.T. 0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55



Tgt Ion:117 Resp: 4631  
Ion Ratio Lower Upper  
117 100  
119 97.9 77.2 115.8





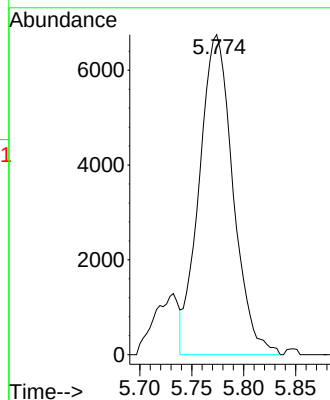
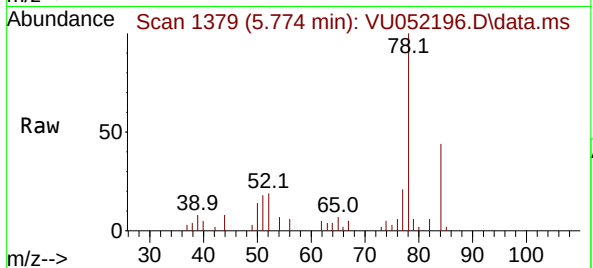
#33  
Benzene  
Concen: 0.205 ug/L  
RT: 5.774 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion: 78 Resp: 15230

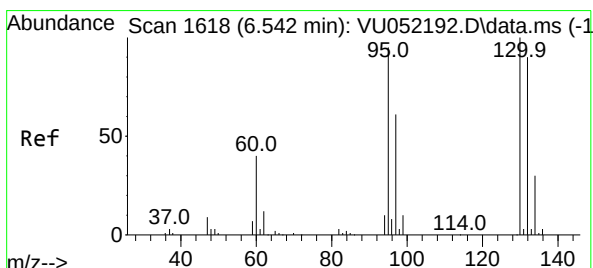
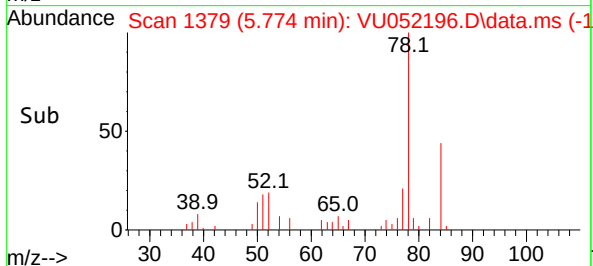
Manual Integrations  
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Reviewed By :Krupa Patel 12/08/2022  
Supervised By :Mahesh Dadoda 12/09/2022



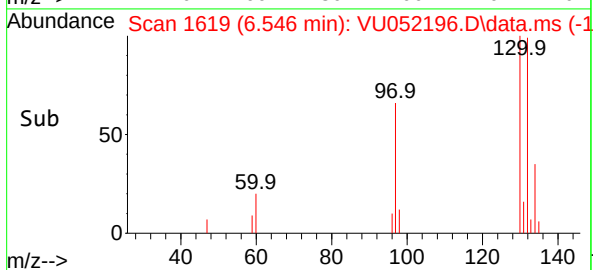
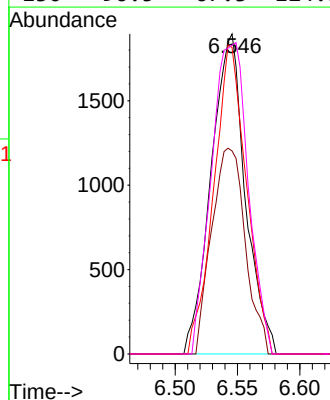
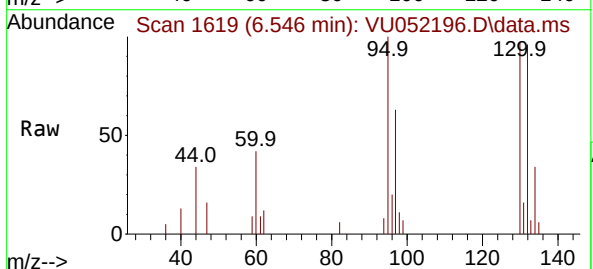
12/08/2022  
Supervised By :Mahesh  
Dadoda

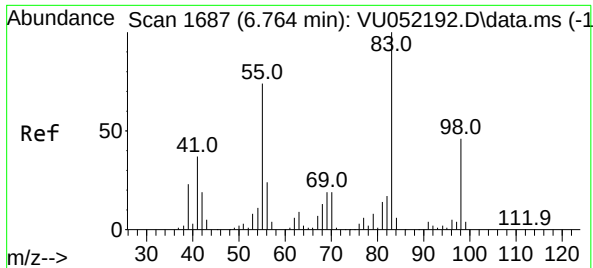
12/09/2022



#34  
Trichloroethene  
Concen: 0.196 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

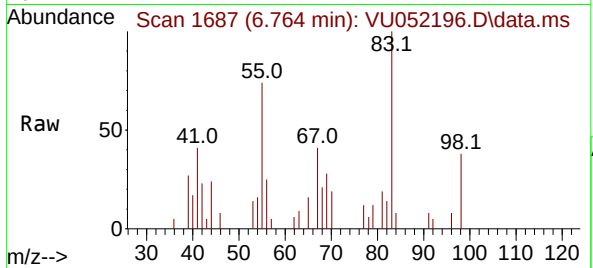
Tgt Ion: 95 Resp: 3627  
Ion Ratio Lower Upper  
95 100  
97 63.4 43.7 81.1  
132 95.8 64.3 119.3  
130 96.5 67.3 124.9





#35  
Methylcyclohexane  
Concen: 0.180 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

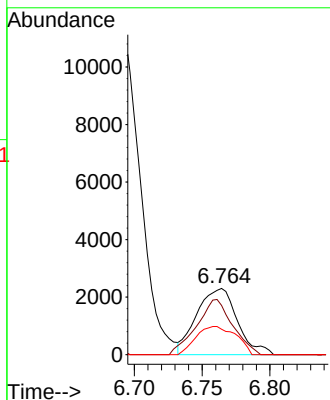
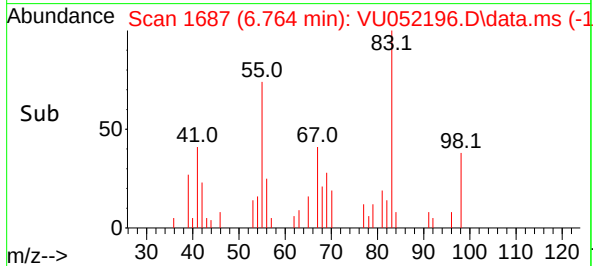
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



Tgt Ion: 83 Resp: 4780  
Ion Ratio Lower Upper  
83 100  
55 74.0 60.8 91.2  
98 42.1 35.1 52.7

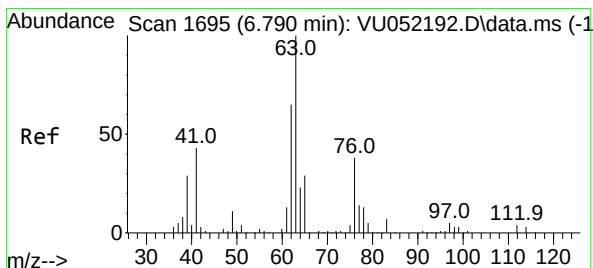
Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 12/08/2022  
Supervised By :Mahesh Dadoda 12/09/2022



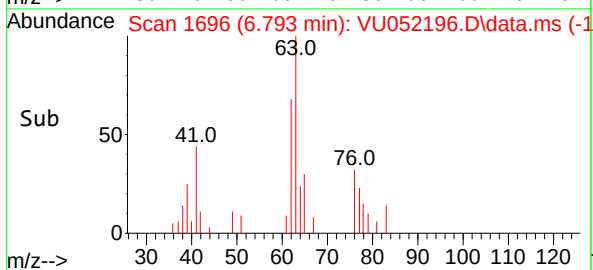
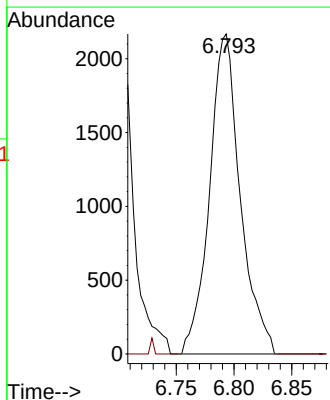
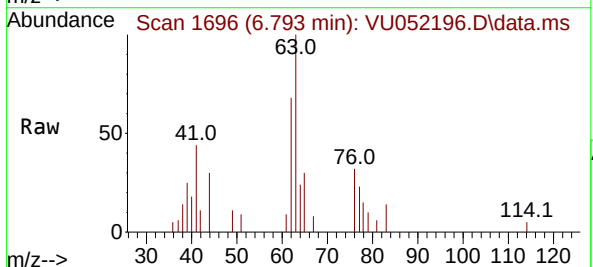
12/08/2022  
Supervised By :Mahesh  
Dadoda

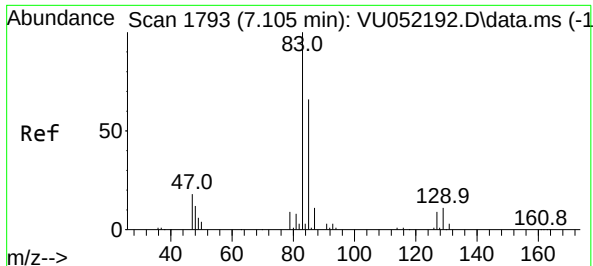
12/09/2022



#37  
1,2-Dichloropropane  
Concen: 0.209 ug/L  
RT: 6.793 min Scan# 1696  
Delta R.T. 0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

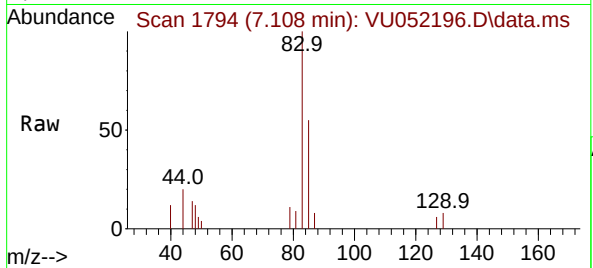
Tgt Ion: 63 Resp: 4011  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.3 4.9





#38  
Bromodichloromethane  
Concen: 0.211 ug/L  
RT: 7.108 min Scan# 1793  
Delta R.T. 0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

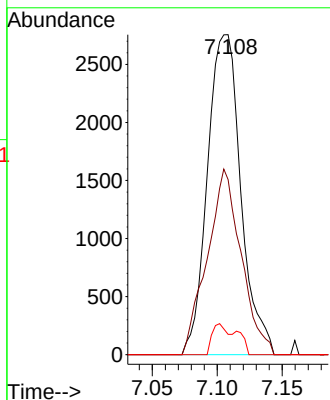
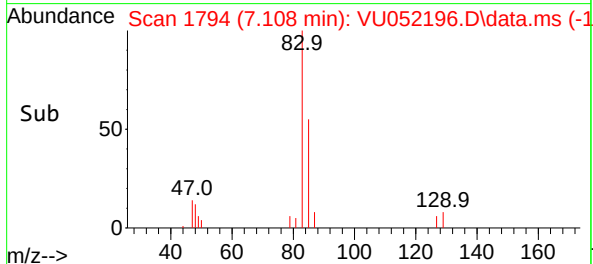
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



Tgt Ion: 83 Resp: 4930  
Ion Ratio Lower Upper  
83 100  
85 54.7 43.5 80.9  
127 6.3 6.8 10.2

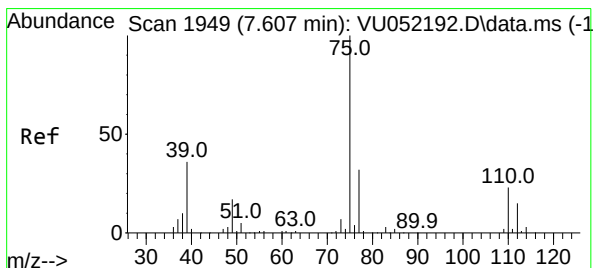
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Supervised By :Mahesh Dadoda 12/09/2022



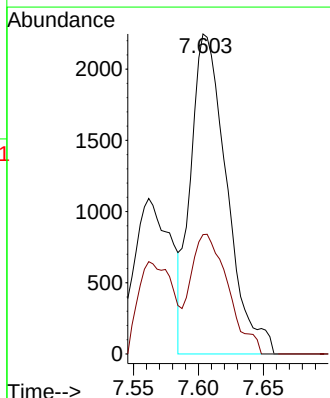
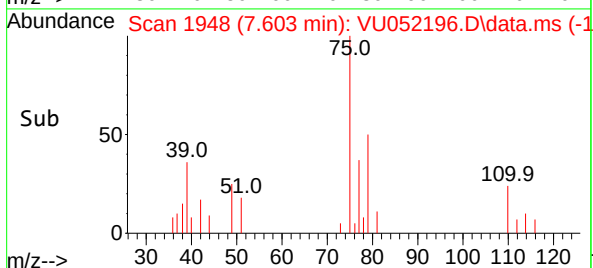
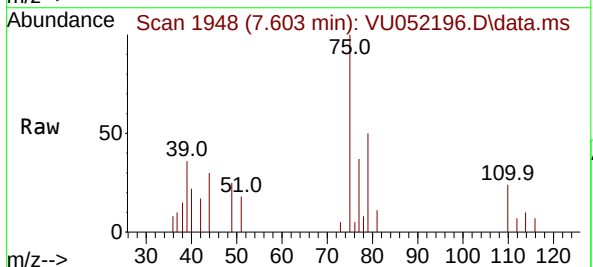
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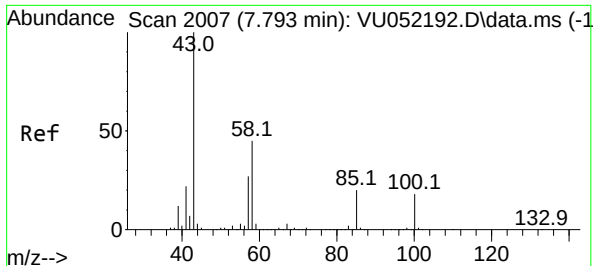


#39  
cis-1,3-Dichloropropene  
Concen: 0.176 ug/L  
RT: 7.603 min Scan# 1948  
Delta R.T. -0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Tgt Ion: 75 Resp: 4339  
Ion Ratio Lower Upper  
75 100  
77 37.3 22.0 40.8







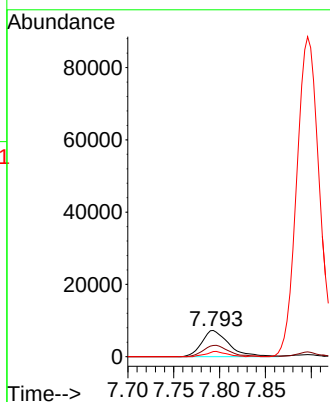
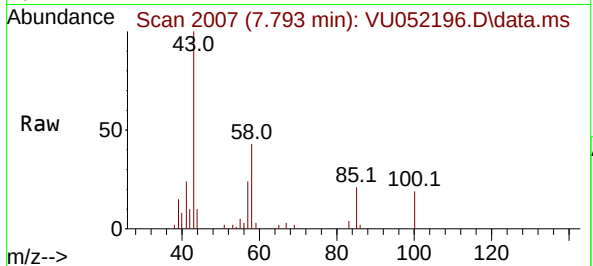
#40  
4-Methyl-2-pentanone  
Concen: 1.485 ug/L  
RT: 7.793 min Scan# 2007  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Instrument : MSVOA\_U  
Client Sample Id : MDL05

Tgt Ion: 43 Resp: 1490  
Ion Ratio Lower Upper  
43 100  
58 40.8 35.3 52.9  
100 0.0 13.6 20.4

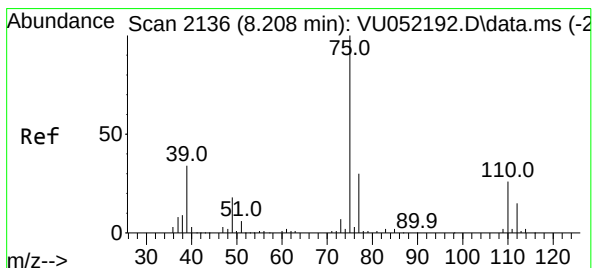
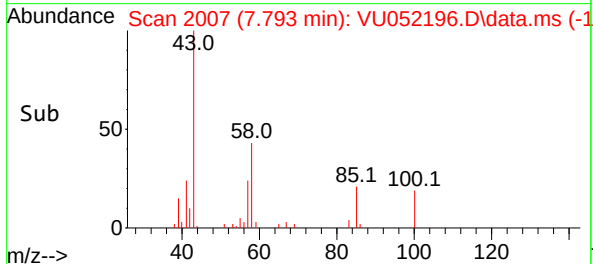
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Supervised By :Mahesh Dadoda 12/09/2022



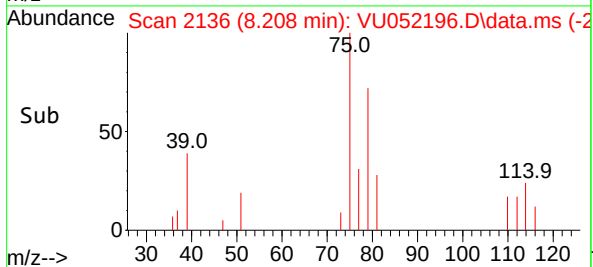
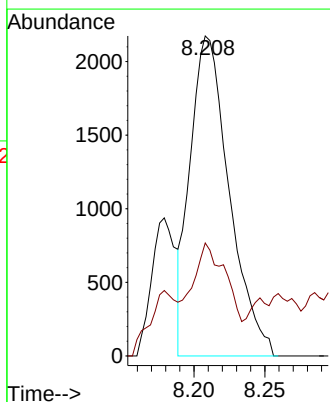
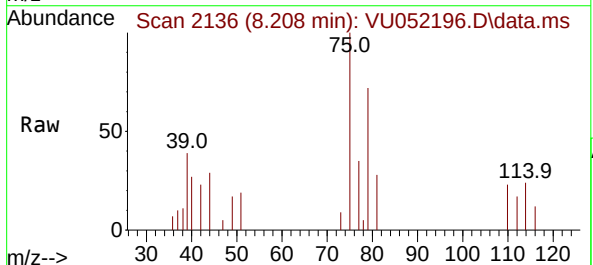
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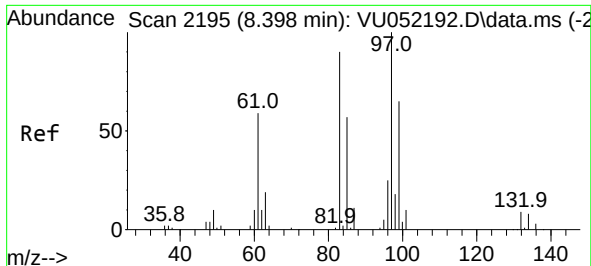
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#44  
trans-1,3-Dichloropropene  
Concen: 0.197 ug/L  
RT: 8.208 min Scan# 2136  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Tgt Ion: 75 Resp: 4168  
Ion Ratio Lower Upper  
75 100  
77 35.3 22.6 42.0





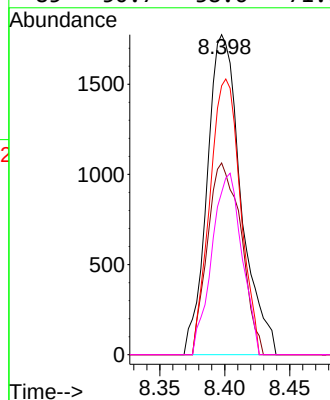
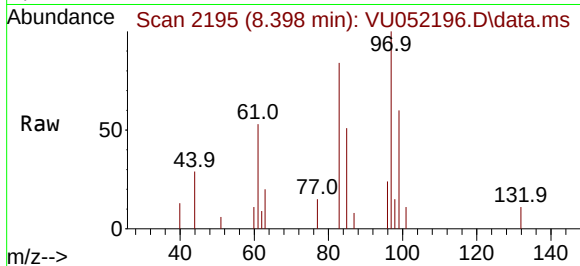
#45  
1,1,2-Trichloroethane  
Concen: 0.223 ug/L  
RT: 8.398 min Scan# 2195  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Instrument : MSVOA\_U  
Client Sample Id : MDL05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 59.9  | 42.6  | 79.2  |
| 83      | 84.1  | 60.7  | 112.7 |
| 85      | 50.7  | 38.6  | 71.6  |

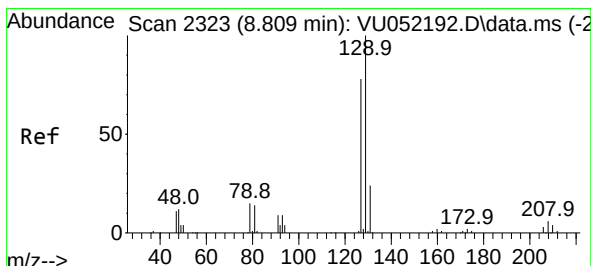
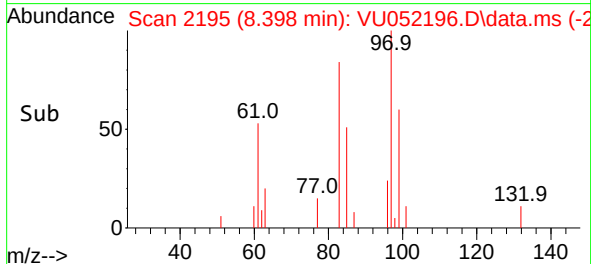
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Supervised By :Mahesh Dadoda 12/09/2022



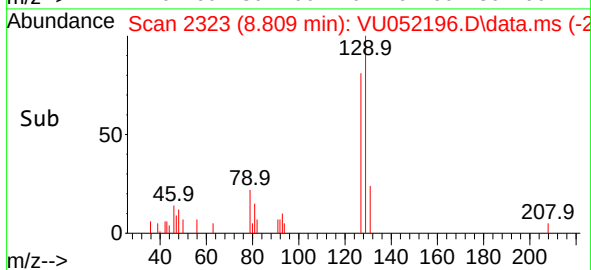
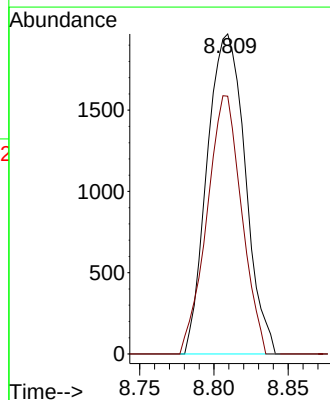
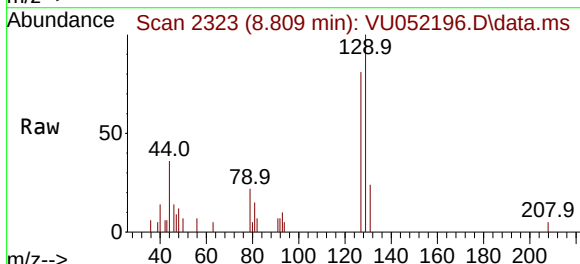
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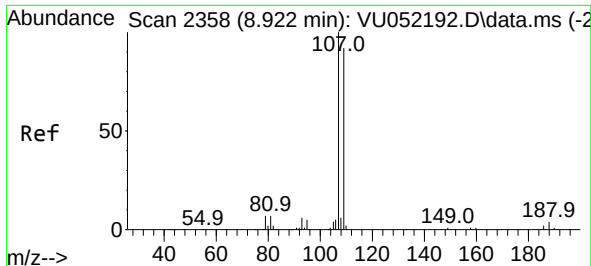
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#49  
Dibromochloromethane  
Concen: 0.217 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 80.5  | 52.8  | 98.2  |





#50

1,2-Dibromoethane

Concen: 0.190 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052196.D

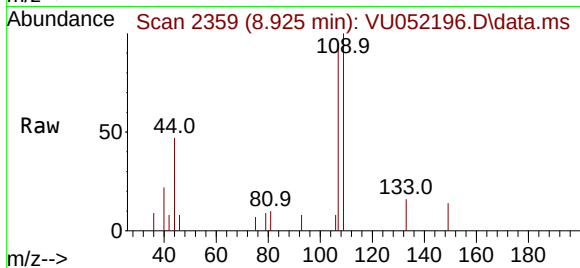
Acq: 07 Dec 2022 12:55

Instrument :

MSVOA\_U

ClientSampleId :

MDL05



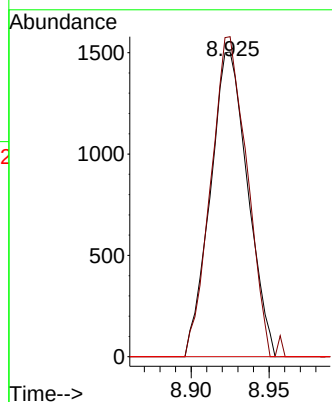
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 250   |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 105.0 | 64.9  | 120.5 |
| 188      | 0.0   | 2.6   | 4.0   |

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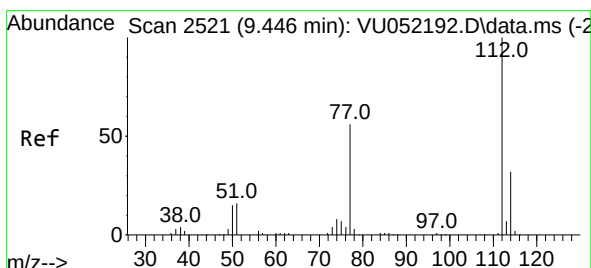
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#51

Chlorobenzene

Concen: 0.214 ug/L

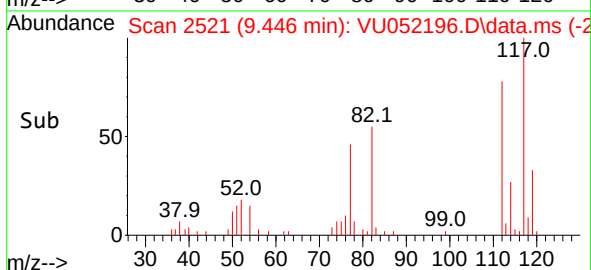
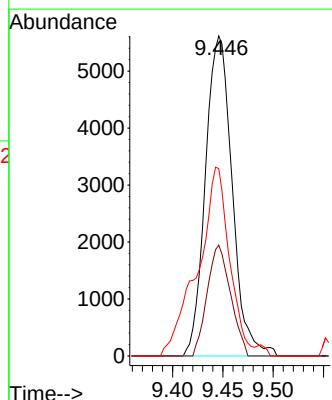
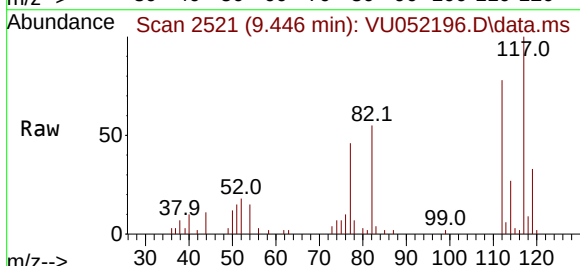
RT: 9.446 min Scan# 2521

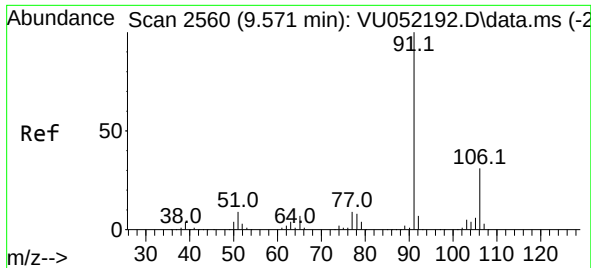
Delta R.T. -0.000 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 10397 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 34.6  | 22.2  | 41.2  |
| 77       | 58.5  | 46.6  | 70.0  |





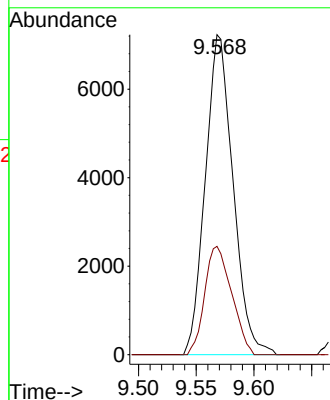
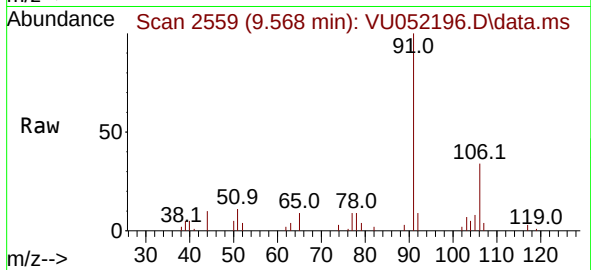
#52  
Ethylbenzene  
Concen: 0.162 ug/L  
RT: 9.568 min Scan# 2105  
Delta R.T. -0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion: 91 Resp: 12054  
Ion Ratio Lower Upper  
91 100  
106 33.9 22.3 41.3

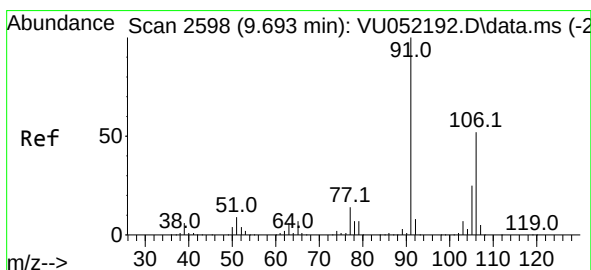
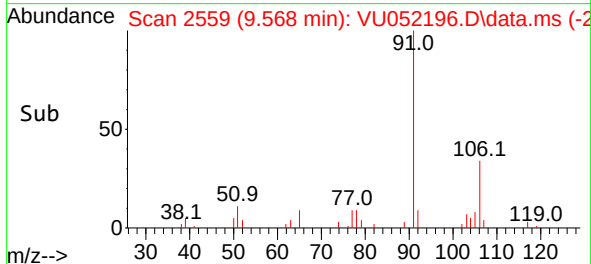
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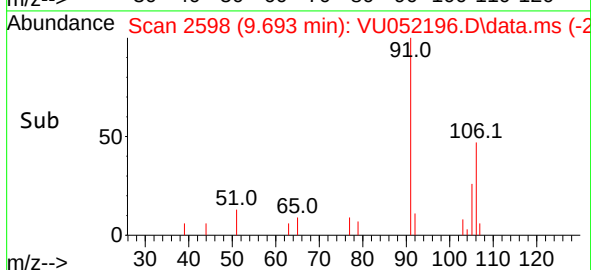
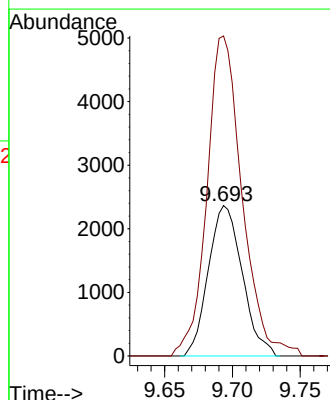
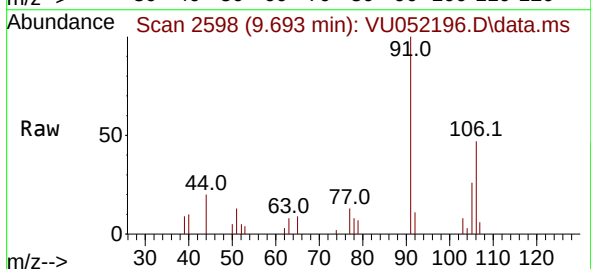
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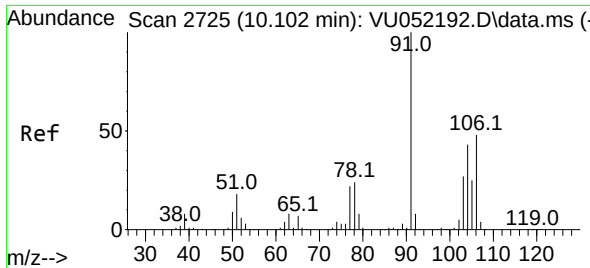
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#53  
m,p-Xylene  
Concen: 0.143 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Tgt Ion:106 Resp: 4112  
Ion Ratio Lower Upper  
106 100  
91 212.7 137.7 255.7





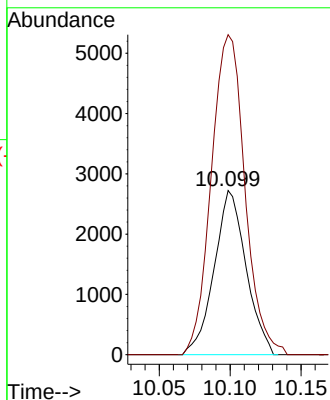
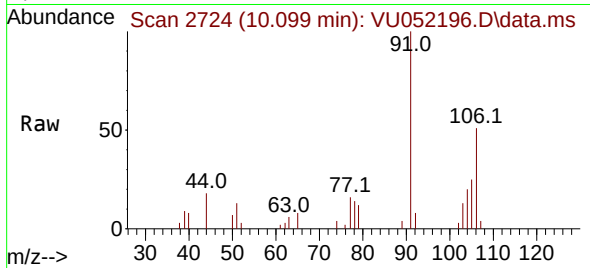
#54  
o-Xylene  
Concen: 0.155 ug/L  
RT: 10.099 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion:106 Resp: 4264  
Ion Ratio Lower Upper  
106 100  
91 194.8 151.5 281.5

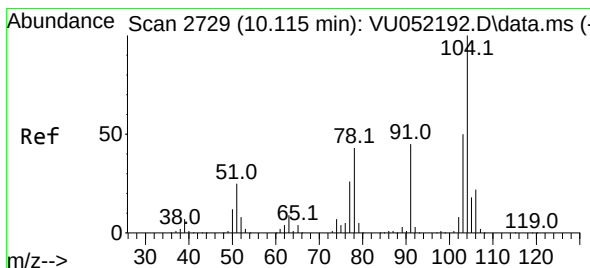
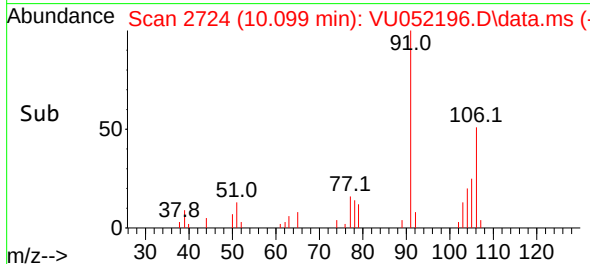
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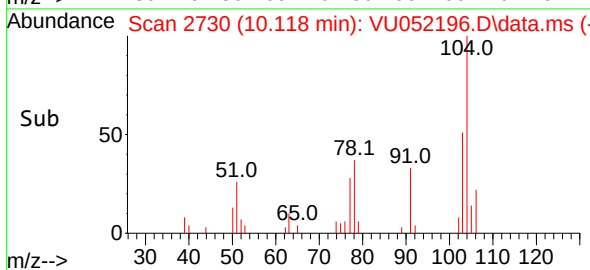
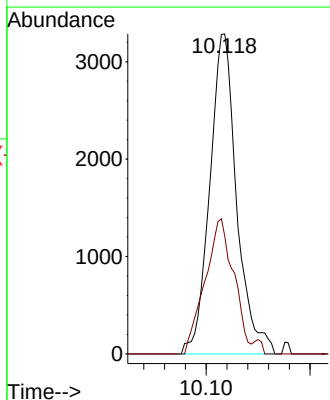
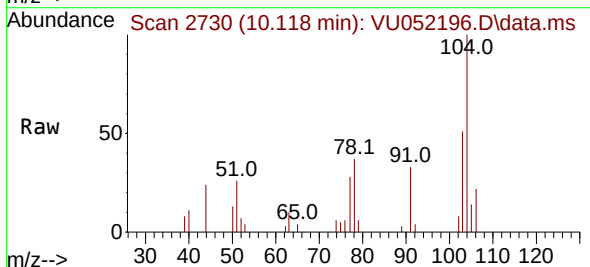
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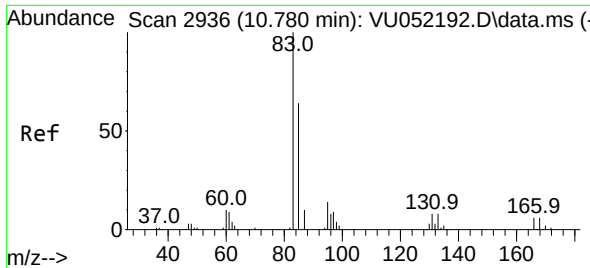
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#55  
Styrene  
Concen: 0.127 ug/L  
RT: 10.118 min Scan# 2730  
Delta R.T. 0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Tgt Ion:104 Resp: 5908  
Ion Ratio Lower Upper  
104 100  
78 36.8 30.6 56.8





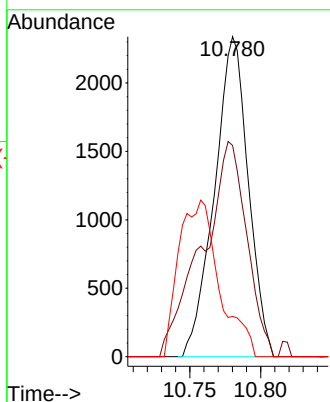
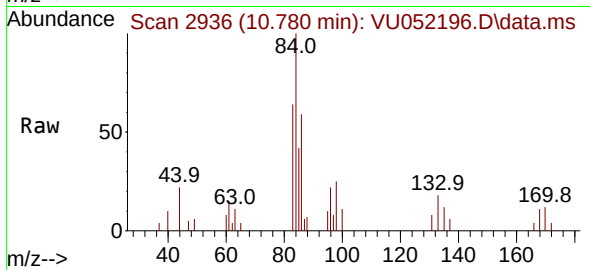
#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.215 ug/L  
RT: 10.780 min Scan# 2936  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Instrument : MSVOA\_U  
ClientSampleId : MDL05

Tgt Ion: 83 Resp: 3879  
Ion Ratio Lower Upper  
83 100  
85 66.0 45.7 84.9  
131 12.6 7.6 11.4

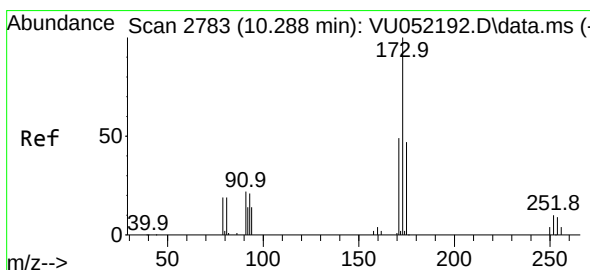
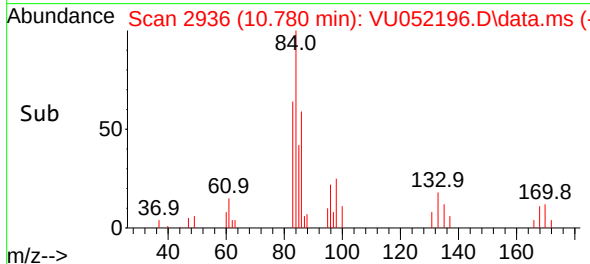
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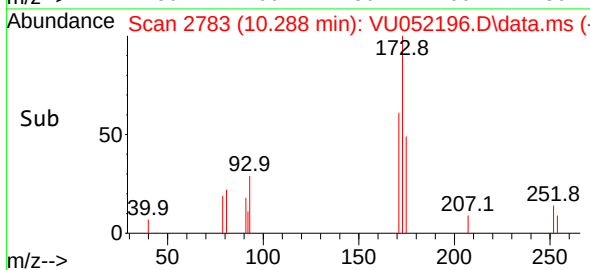
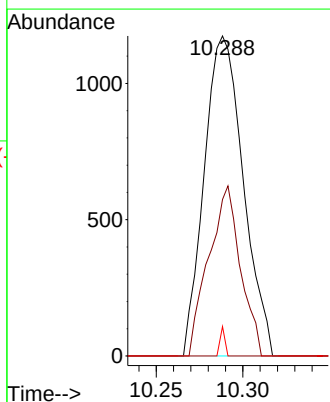
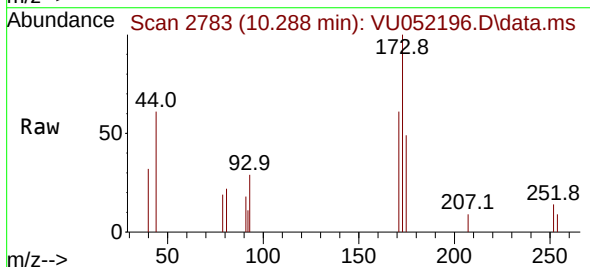
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Dadoda

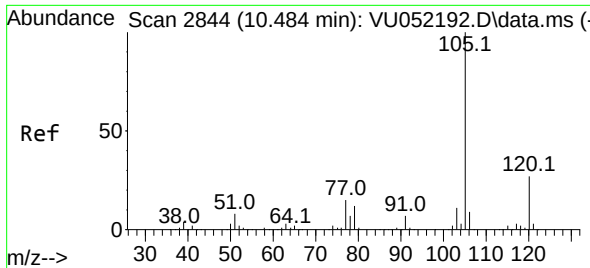
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#59  
Bromoform  
Concen: 0.256 ug/L  
RT: 10.288 min Scan# 2783  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Tgt Ion:173 Resp: 1840  
Ion Ratio Lower Upper  
173 100  
175 43.3 37.2 55.8  
254 1.1 7.0 10.6





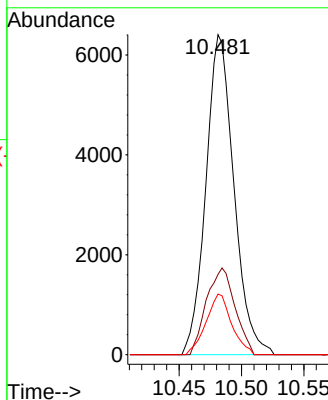
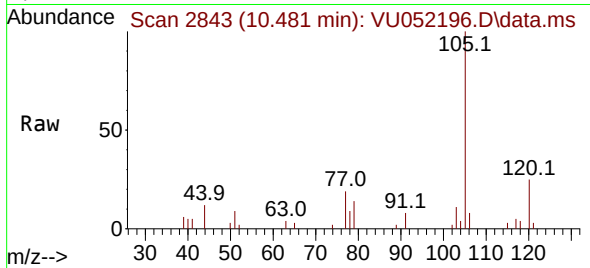
#60  
Isopropylbenzene  
Concen: 0.183 ug/L  
RT: 10.481 min Scan# 2843  
Delta R.T. -0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Instrument : MSVOA\_U  
ClientSampleId : MDL05

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 1002      |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 27.6  | 21.0 31.6 |
| 77          | 17.3  | 12.5 18.7 |

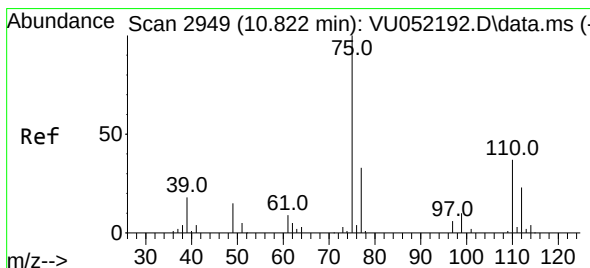
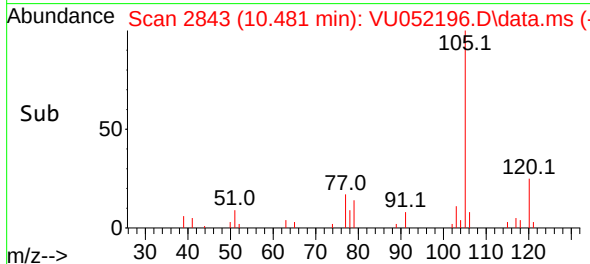
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Supervised By :Mahesh Dadoda 12/09/2022



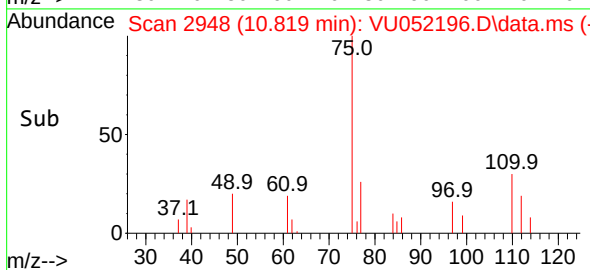
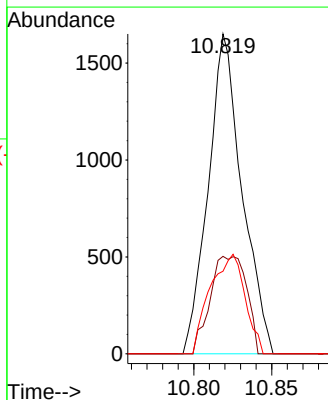
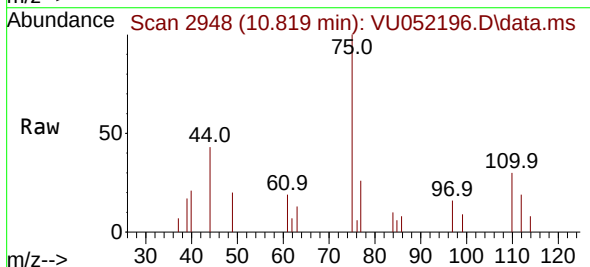
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Supervised By :Mahesh Dadoda

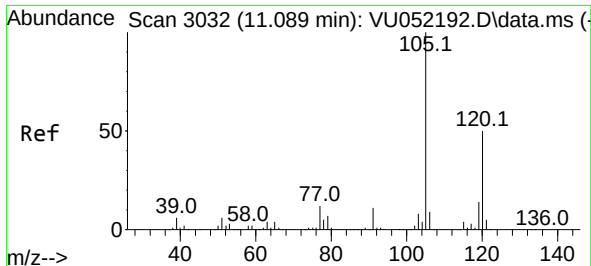
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#61  
1,2,3-Trichloropropane  
Concen: 0.249 ug/L  
RT: 10.819 min Scan# 2948  
Delta R.T. -0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 75 | Resp: | 2483      |
| Ion Ratio   | Lower | Upper     |
| 75          | 100   |           |
| 110         | 32.9  | 28.3 42.5 |
| 77          | 32.2  | 26.2 39.2 |





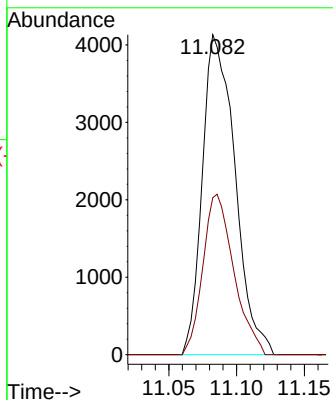
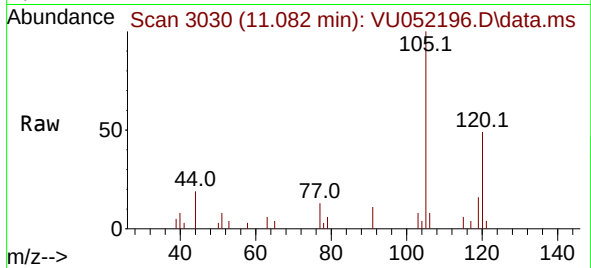
#62  
1,3,5-Trimethylbenzene  
Concen: 0.158 ug/L  
RT: 11.082 min Scan# 3032  
Delta R.T. -0.007 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Tgt Ion:105 Resp: 691  
Ion Ratio Lower Upper  
105 100  
120 47.5 38.7 58.1

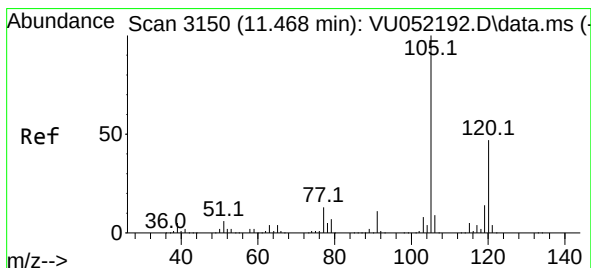
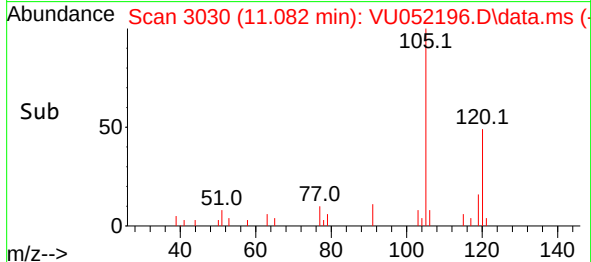
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Reviewed By :Krupa Patel 12/08/2022  
Supervised By :Mahesh Dadoda 12/09/2022



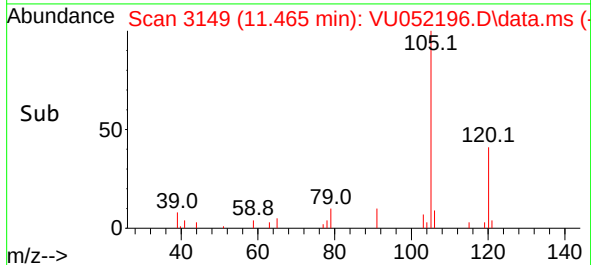
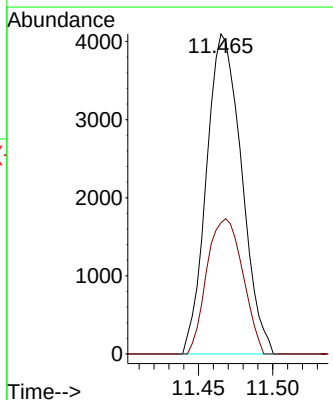
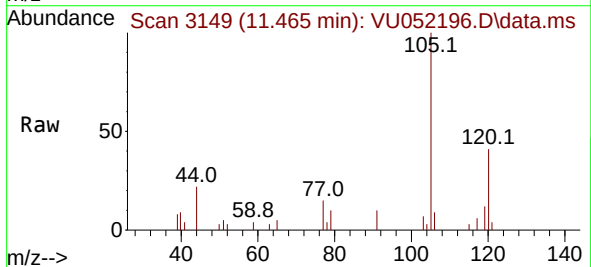
12/08/2022  
Supervised By :Mahesh  
Dadoda

12/09/2022

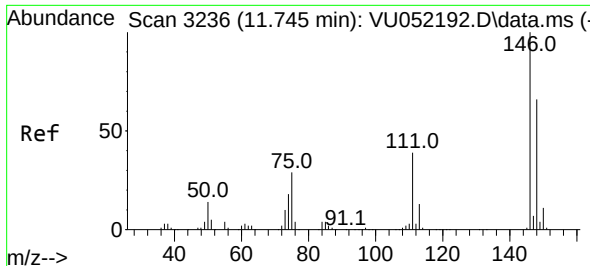


#63  
1,2,4-Trimethylbenzene  
Concen: 0.155 ug/L  
RT: 11.465 min Scan# 3149  
Delta R.T. -0.003 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Tgt Ion:105 Resp: 6734  
Ion Ratio Lower Upper  
105 100  
120 43.1 36.6 55.0

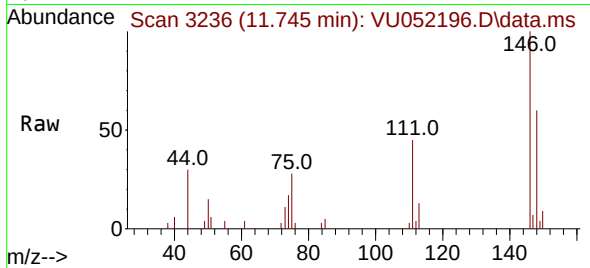






#64  
1,3-Dichlorobenzene  
Concen: 0.193 ug/L  
RT: 11.745 min Scan# 3236  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

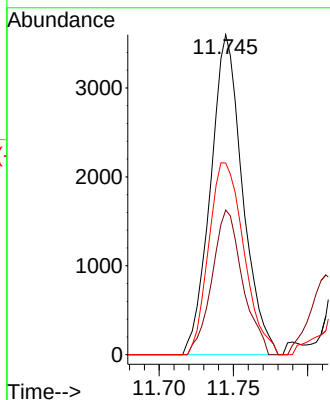
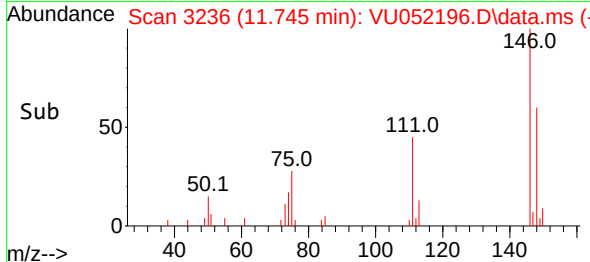
Instrument : MSVOA\_U  
ClientSampleId : MDL05



Tgt Ion:146 Resp: 5404  
Ion Ratio Lower Upper  
146 100  
111 45.2 28.6 53.2  
148 59.9 45.4 84.2

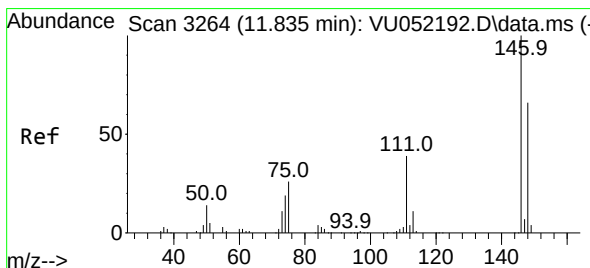
Manual Integrations  
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Reviewed By :Krupa Patel 12/08/2022  
Supervised By :Mahesh Dadoda 12/09/2022

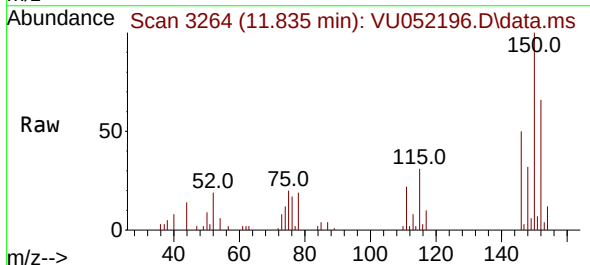


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Supervised By :Mahesh  
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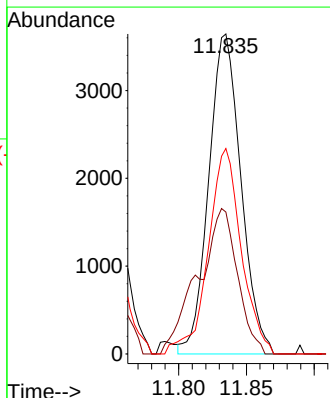
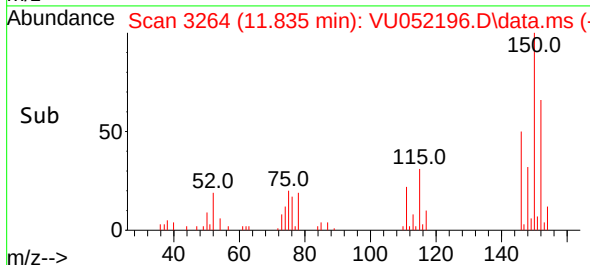
12/09/2022

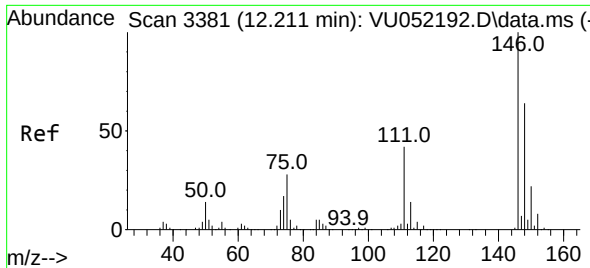


#65  
1,4-Dichlorobenzene  
Concen: 0.216 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55



Tgt Ion:146 Resp: 6025  
Ion Ratio Lower Upper  
146 100  
111 44.4 26.9 50.1  
148 64.2 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 0.227 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

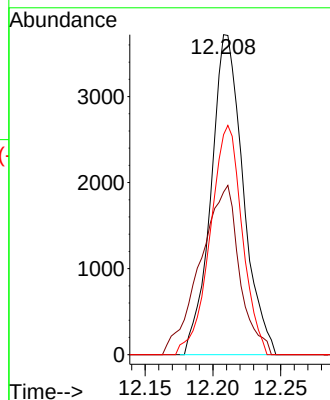
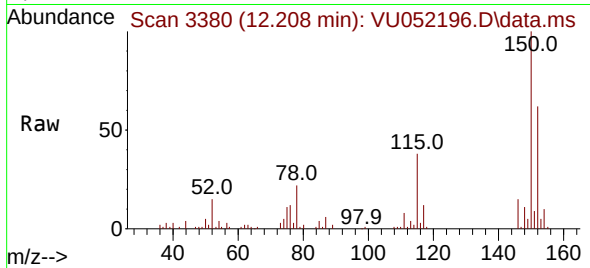
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 612  |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 50.8  | 32.7  | 49.1 |
| 148       | 68.8  | 50.6  | 75.8 |

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Reviewed By :Krupa Patel 12/08/2022

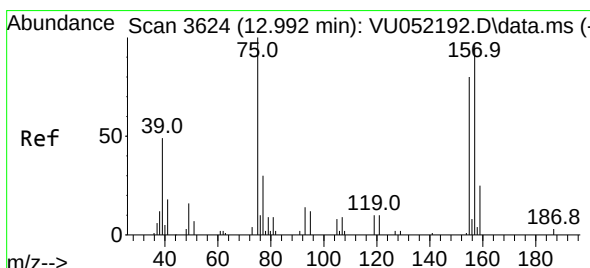
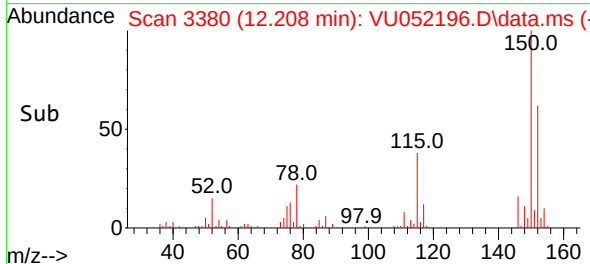
Supervised By :Mahesh Dadoda 12/09/2022



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Supervised By :Mahesh Dadoda

12/09/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 0.191 ug/L

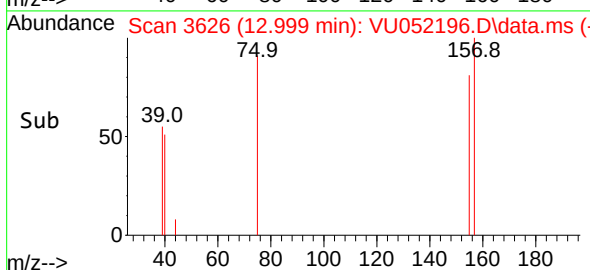
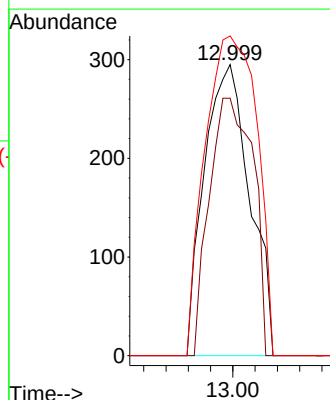
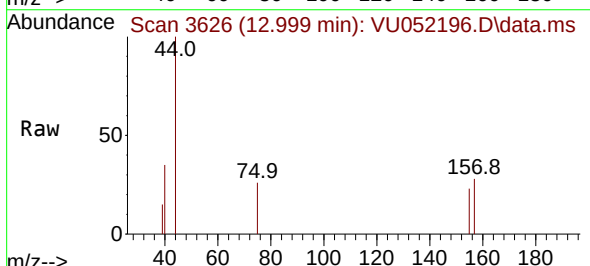
RT: 12.999 min Scan# 3626

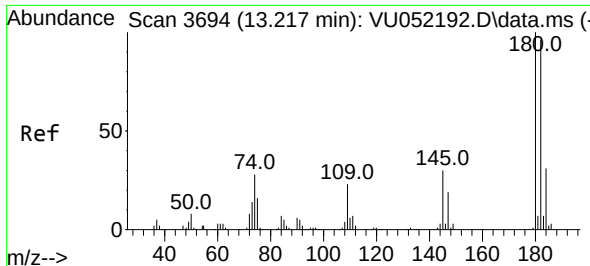
Delta R.T. 0.006 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 418   |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 88.5  | 65.4  | 98.2  |
| 157       | 109.8 | 80.5  | 120.7 |





#69

1,3,5-Trichlorobenzene

Concen: 0.230 ug/L

RT: 13.224 min Scan# 30

Delta R.T. 0.006 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA\_U

ClientSampleId :

MDL05

Tgt Ion:180 Resp: 456

Ion Ratio Lower Upper

180 100

182 86.8 75.7 113.5

184 23.1 24.3 36.5

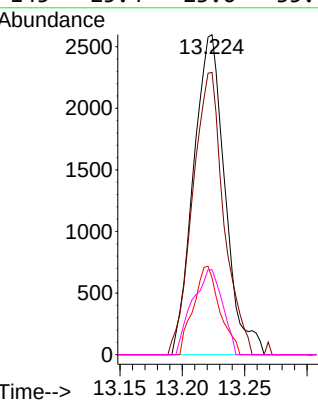
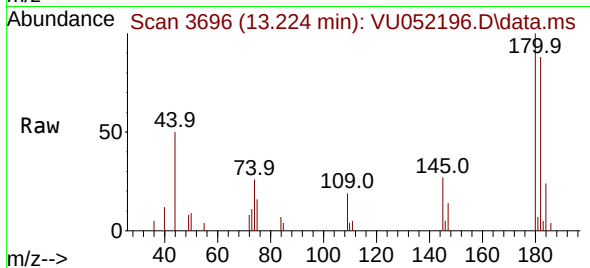
145 25.4 23.6 35.4

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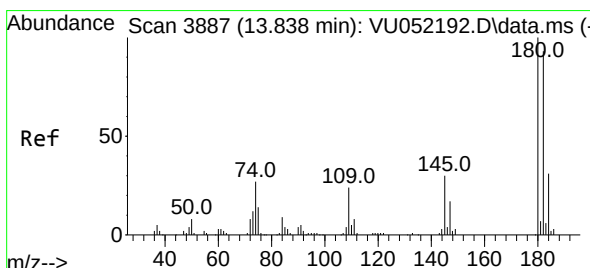
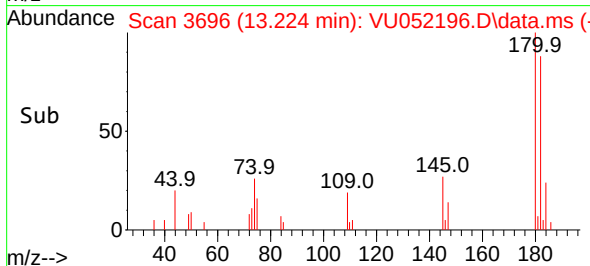
Supervised By :Mahesh Dadoda 12/09/2022



12/08/2022

Supervised By :Mahesh  
Dadoda

12/09/2022



#70

1,2,4-trichlorobenzene

Concen: 0.222 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

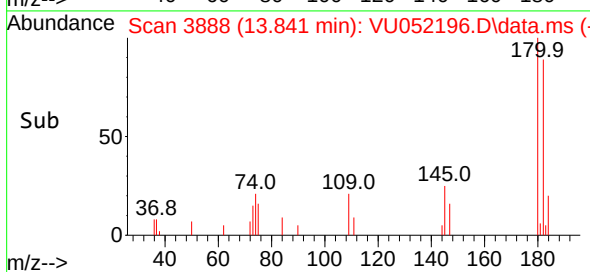
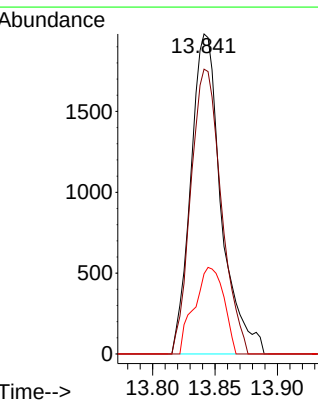
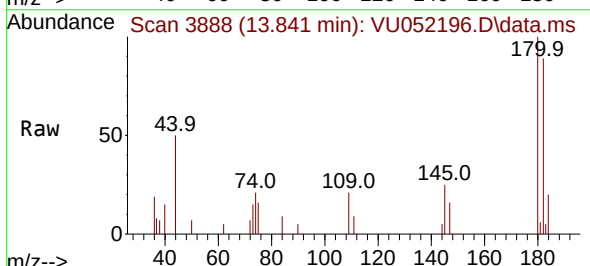
Tgt Ion:180 Resp: 3349

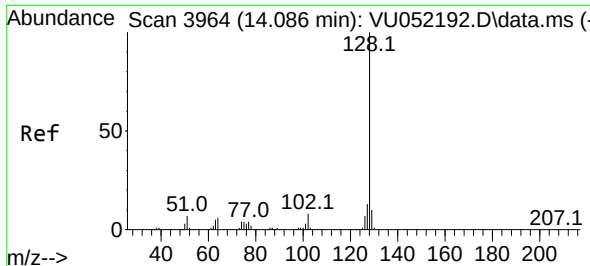
Ion Ratio Lower Upper

180 100

182 89.0 76.3 114.5

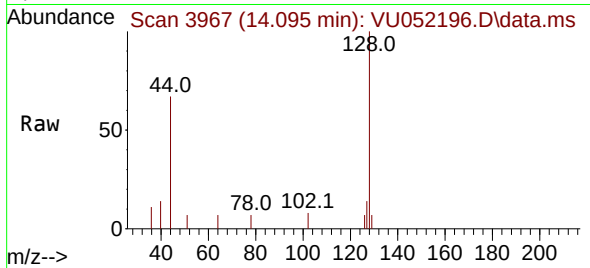
145 26.2 24.6 36.8





#71  
Naphthalene  
Concen: 0.169 ug/L  
RT: 14.095 min Scan# 3967  
Delta R.T. 0.010 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

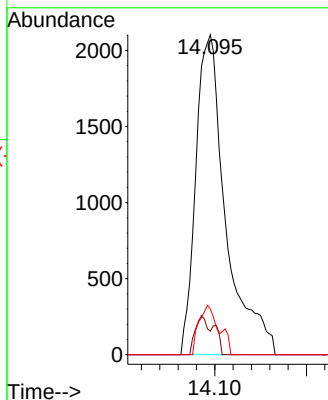
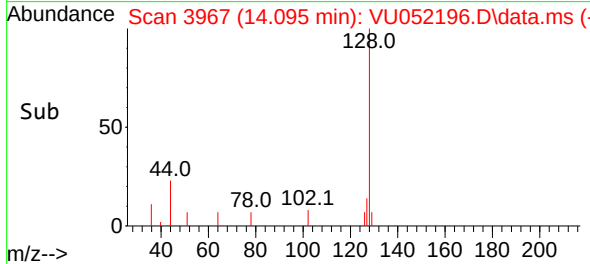
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05



Tgt Ion:128 Resp: 4784  
Ion Ratio Lower Upper  
128 100  
129 2.1 8.3 12.5  
127 10.3 10.2 15.4

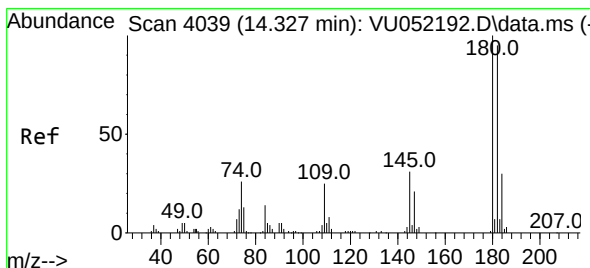
Manual Integrations  
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Reviewed By :Krupa Patel 12/08/2022  
Supervised By :Mahesh Dadoda 12/09/2022



12/08/2022  
Supervised By :Mahesh  
Dadoda

12/09/2022



#72  
1,2,3-Trichlorobenzene  
Concen: 0.185 ug/L  
RT: 14.327 min Scan# 4039  
Delta R.T. -0.000 min  
Lab File: VU052196.D  
Acq: 07 Dec 2022 12:55

Tgt Ion:180 Resp: 2753  
Ion Ratio Lower Upper  
180 100  
182 98.5 75.7 113.5  
145 30.2 24.5 36.7

