

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030922\  
 Data File : VU047404.D  
 Acq On : 09 Mar 2022 14:25  
 Operator : SY/MD  
 Sample : VSTD01016  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010016

Quant Time: Mar 10 00:30:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 00:28:22 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114  | 179630   | 5.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117  | 168657   | 5.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152  | 99253    | 5.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65   | 93936    | 4.661   | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.919  | 69   | 69388    | 4.475   | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65   | 41198    | 5.671   | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 4.645  | 46   | 171848   | 43.356  | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.070  | 84   | 151512   | 4.726   | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65   | 73675    | 4.516   | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.729  | 84   | 317012   | 6.005   | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67   | 92487    | 5.604   | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.899  | 98   | 308657   | 6.576   | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79   | 40446    | 6.429   | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.639  | 63   | 180225   | 61.806  | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84   | 81671    | 5.843   | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152  | 122358   | 6.649   | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388  | 85   | 138231   | 8.833   | ug/L  | 99       |
| 3) Chloromethane              | 1.527  | 50   | 131342   | 7.008   | ug/L  | 98       |
| 5) Vinyl chloride             | 1.607  | 62   | 133850   | 7.126   | ug/L  | 98       |
| 6) Bromomethane               | 1.864  | 94   | 74504    | 7.138   | ug/L  | 99       |
| 8) Chloroethane               | 1.938  | 64   | 79225    | 7.107   | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.144  | 101  | 178267   | 7.481   | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101  | 110588   | 7.824   | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.584  | 96   | 104788   | 8.303   | ug/L  | 92       |
| 13) Acetone                   | 2.658  | 43   | 155918   | 65.078  | ug/L  | 96       |
| 14) Carbon disulfide          | 2.800  | 76   | 321263   | 8.065   | ug/L  | 100      |
| 15) Methyl Acetate            | 2.961  | 43   | 42253    | 8.010   | ug/L  | 94       |
| 16) Methylene chloride        | 3.051  | 84   | 116404   | 7.278   | ug/L  | 99       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73   | 272215   | 9.441   | ug/L  | 98       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96   | 112618   | 8.399   | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.877  | 63   | 190413   | 7.820   | ug/L  | 100      |
| 21) 2-Butanone                | 4.723  | 43   | 291580   | 81.854  | ug/L  | 98       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96   | 123585   | 8.803   | ug/L  | 98       |
| 23) Bromochloromethane        | 4.980  | 128  | 61282    | 8.962   | ug/L  | 98       |
| 25) Chloroform                | 5.092  | 83   | 204146   | 7.337   | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 132057   | 8.232   | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 178411   | 9.421   | ug/L  | 99       |
| 30) Cyclohexane               | 5.391  | 56   | 175278   | 11.129  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 157161   | 9.588   | ug/L  | 98       |
| 33) Benzene                   | 5.777  | 78   | 468769   | 10.041  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 126702   | 10.542  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.767  | 83   | 202269   | 11.899  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 116102   | 9.493   | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 153053   | 9.539   | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 180012   | 10.919  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 794685   | 116.722 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 508983   | 10.606  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 163276   | 11.186  | ug/L  | 96       |

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 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010016

Quant Time: Mar 10 00:30:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 00:28:22 2022  
 Response via : Initial Calibration

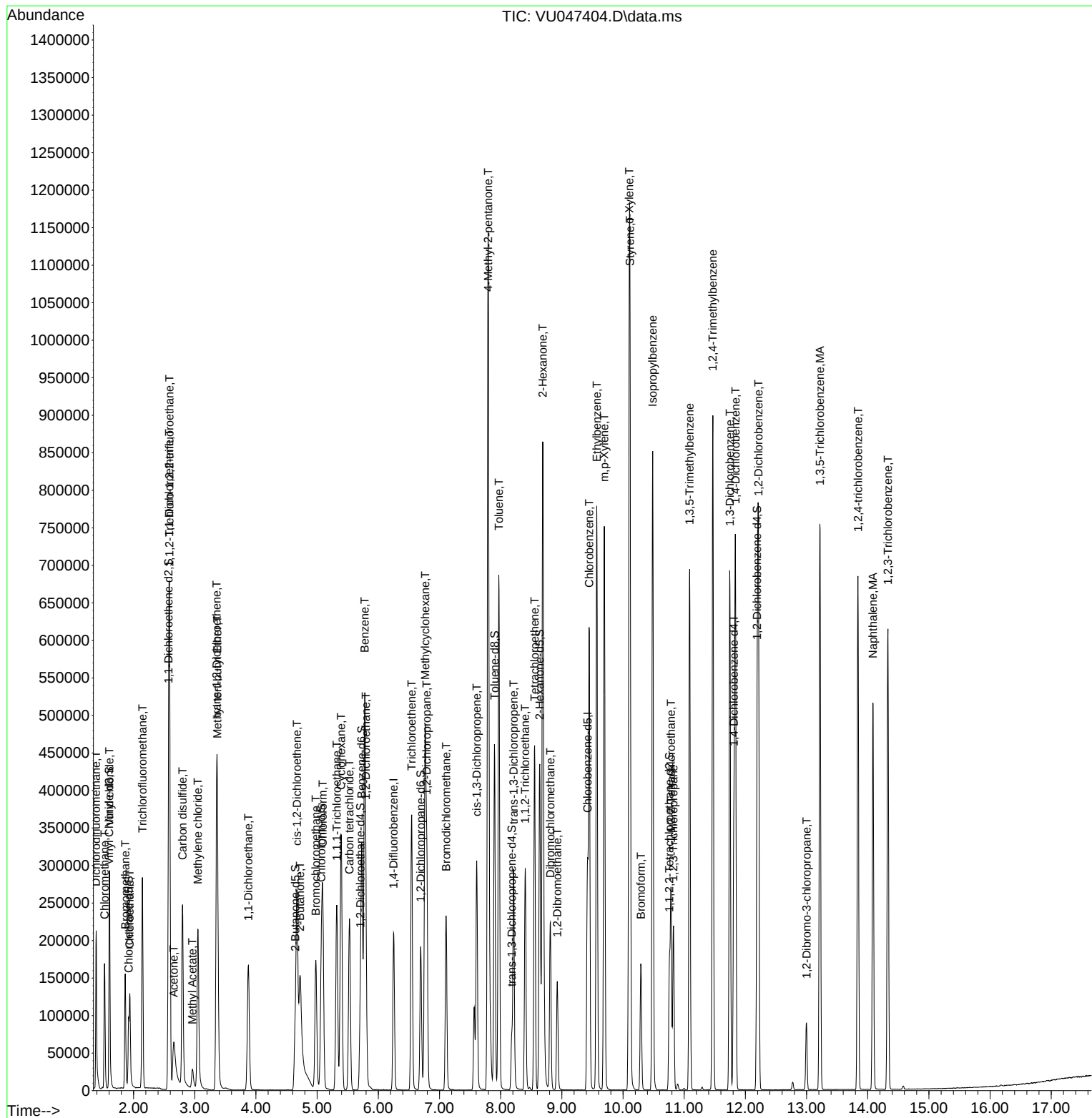
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 95451    | 10.320  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.555  | 164  | 107556   | 11.389  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.687  | 43   | 579089   | 113.288 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.812  | 129  | 119705   | 10.905  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 98421    | 11.239  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.449  | 112  | 337572   | 10.542  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 554962   | 11.190  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.693  | 106  | 221133   | 11.502  | ug/L  | 100      |
| 54) o-Xylene                  | 10.102 | 106  | 215596   | 12.035  | ug/L  | 99       |
| 55) Styrene                   | 10.115 | 104  | 369404   | 11.788  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 131332   | 10.854  | ug/L  | 98       |
| 59) Bromoform                 | 10.291 | 173  | 78692    | 11.960  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.484 | 105  | 565636   | 11.373  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 92423    | 10.045  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 377579   | 10.069  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 496965   | 12.418  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 296139   | 11.110  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 298850   | 10.955  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 286077   | 11.141  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 20778    | 10.511  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 249443   | 12.093  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 224707   | 13.031  | ug/L  | 100      |
| 71) Naphthalene               | 14.086 | 128  | 408436   | 13.584  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 204319   | 12.638  | ug/L  | 99       |

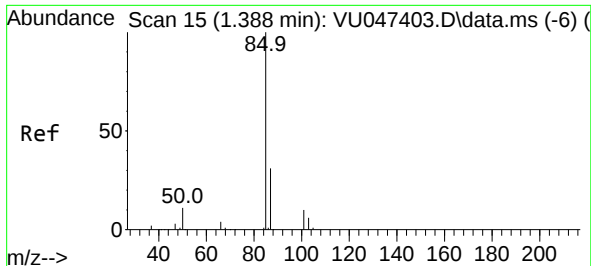
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 Sample : VSTD010016  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

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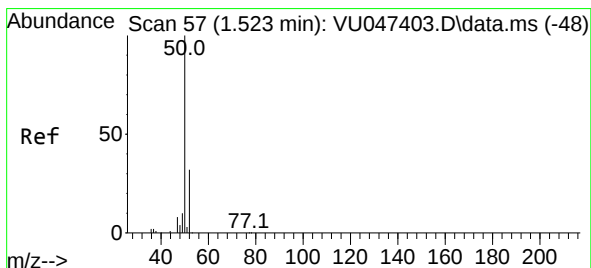
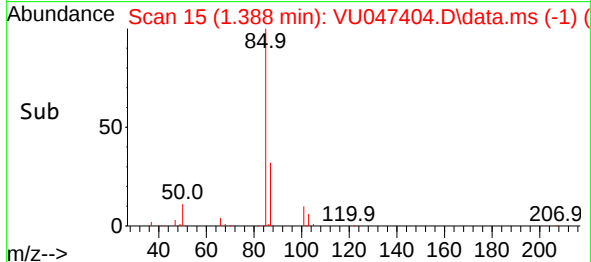
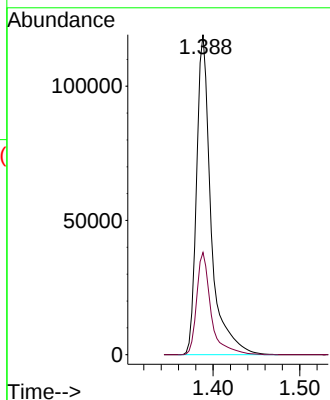
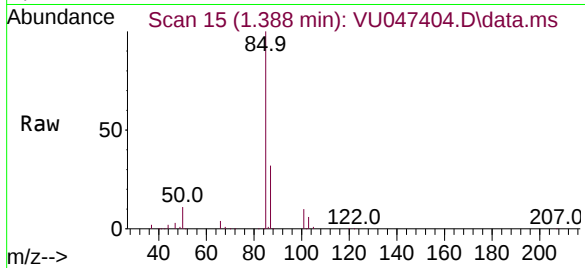




#2  
Dichlorodifluoromethane  
Concen: 8.833 ug/L  
RT: 1.388 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

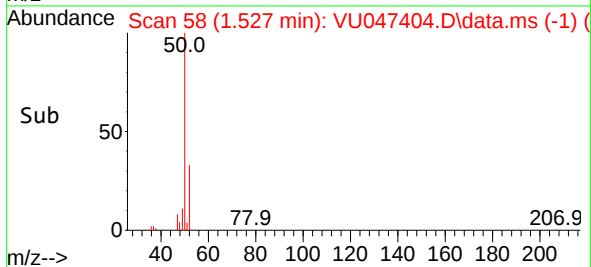
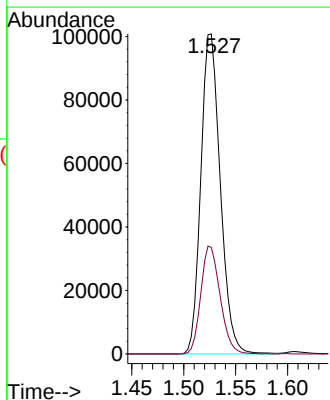
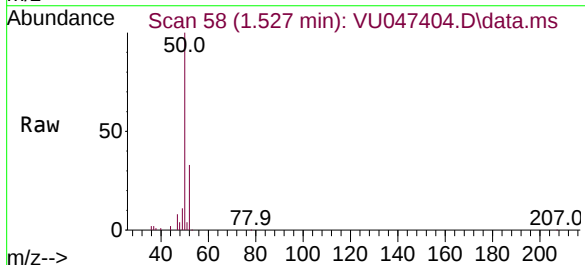
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

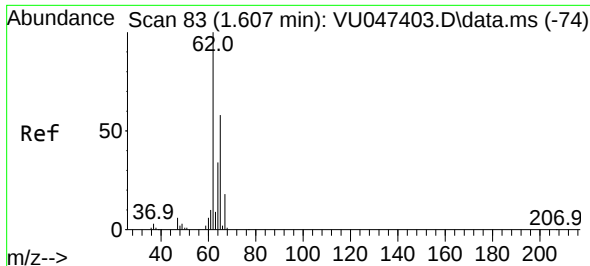
Tgt Ion: 85 Resp: 138231  
Ion Ratio Lower Upper  
85 100  
87 31.7 25.6 38.4



#3  
Chloromethane  
Concen: 7.008 ug/L  
RT: 1.527 min Scan# 58  
Delta R.T. 0.003 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion: 50 Resp: 131342  
Ion Ratio Lower Upper  
50 100  
52 33.3 22.5 41.9

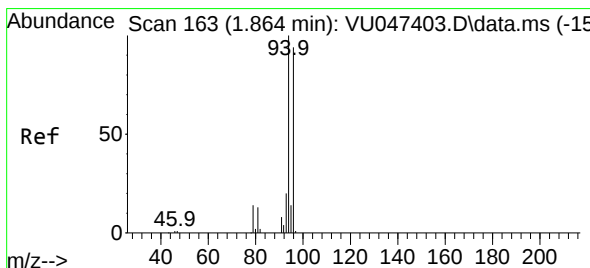
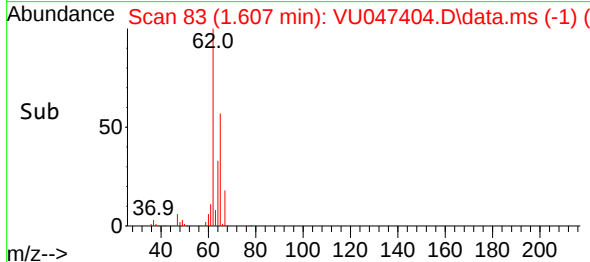
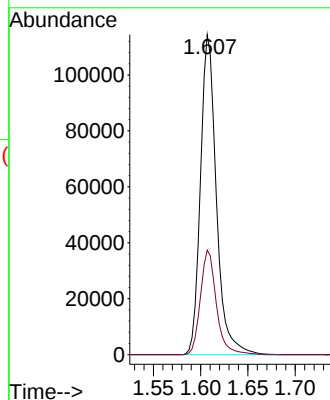
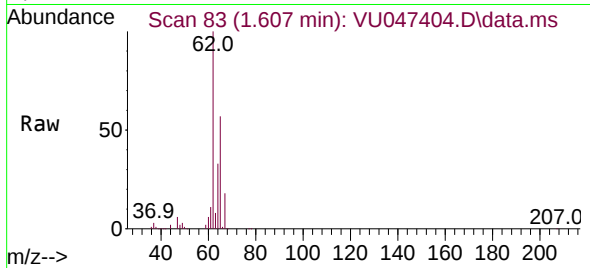




#5  
 Vinyl chloride  
 Concen: 7.126 ug/L  
 RT: 1.607 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU047404.D  
 Acq: 09 Mar 2022 14:25

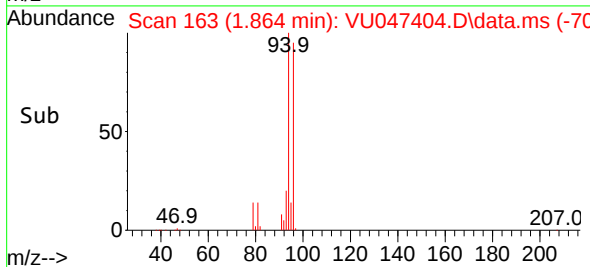
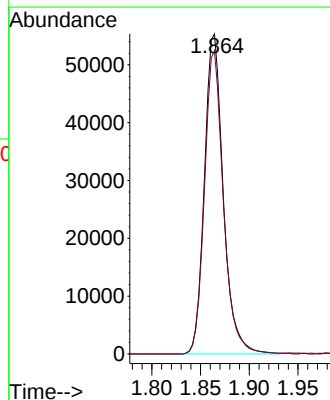
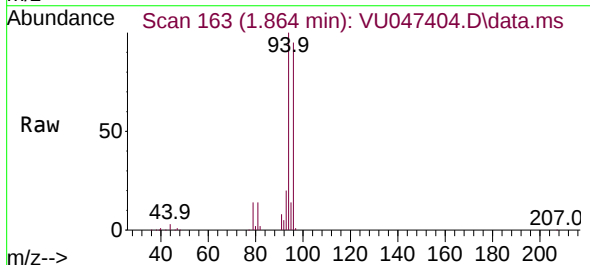
Instrument :  
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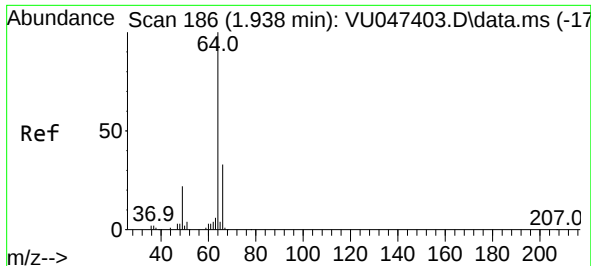
Tgt Ion: 62 Resp: 133850  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 23.7 43.9



#6  
 Bromomethane  
 Concen: 7.138 ug/L  
 RT: 1.864 min Scan# 163  
 Delta R.T. -0.000 min  
 Lab File: VU047404.D  
 Acq: 09 Mar 2022 14:25

Tgt Ion: 94 Resp: 74504  
 Ion Ratio Lower Upper  
 94 100  
 96 94.8 65.6 121.8

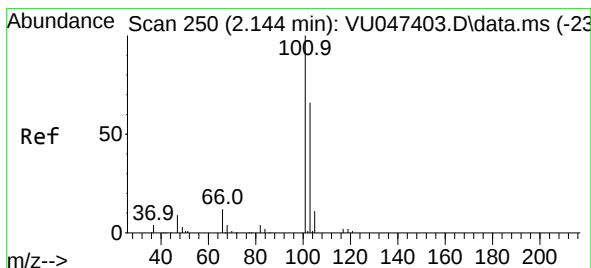
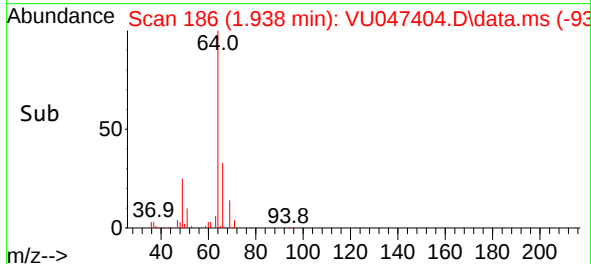
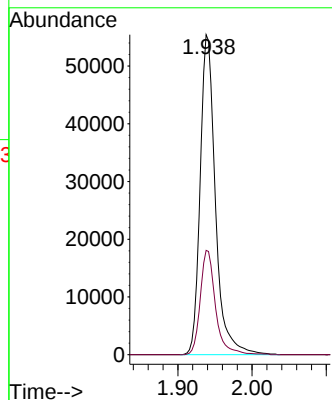
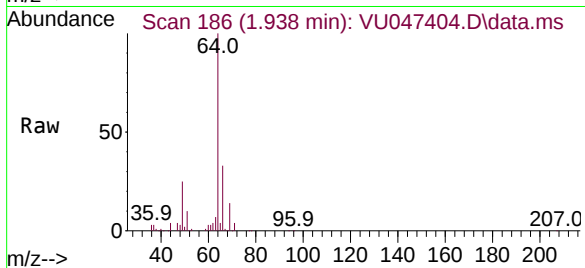




#8  
Chloroethane  
Concen: 7.107 ug/L  
RT: 1.938 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

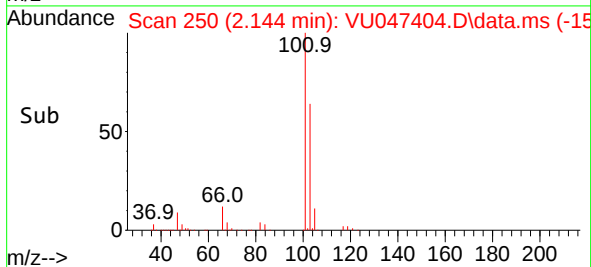
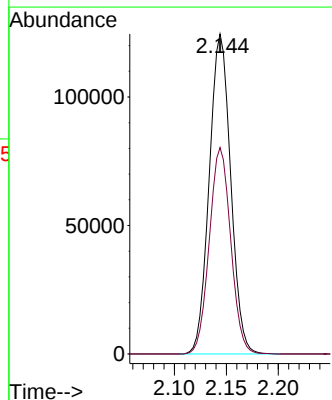
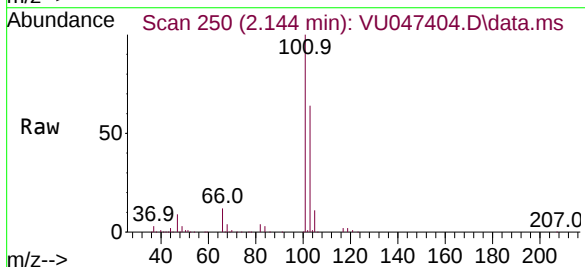
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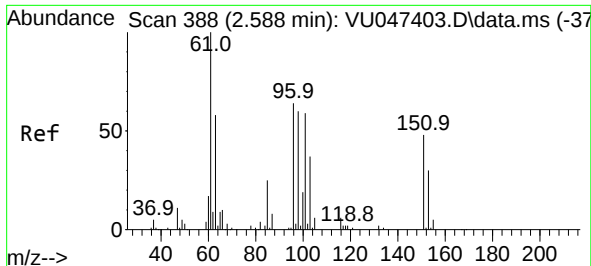
Tgt Ion: 64 Resp: 79225  
Ion Ratio Lower Upper  
64 100  
66 32.6 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 7.481 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion: 101 Resp: 178267  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 7.824 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010016

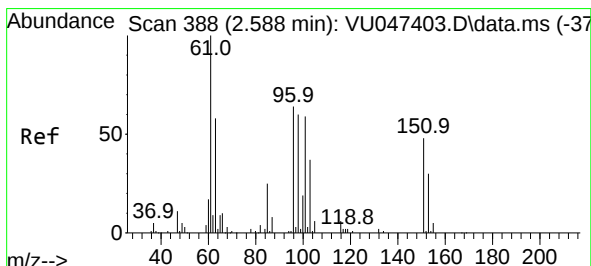
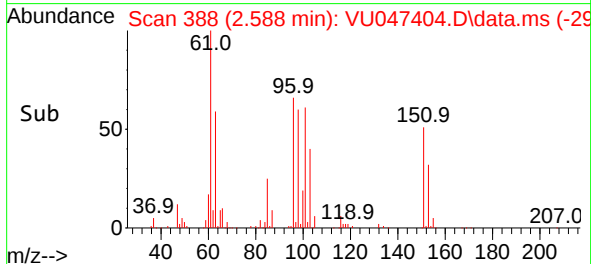
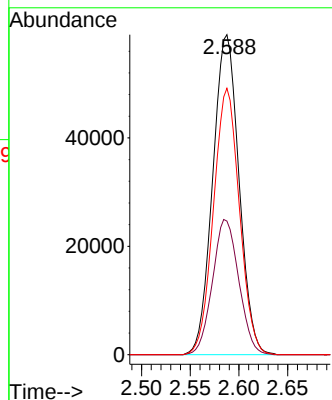
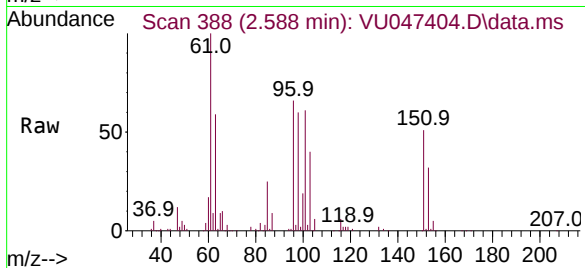
Tgt Ion:101 Resp: 110588

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.6

151 82.3 64.8 97.2



#12

1,1-Dichloroethene

Concen: 8.303 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

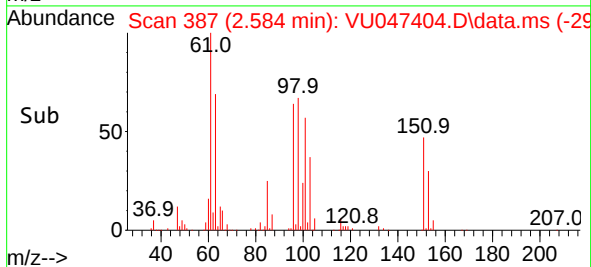
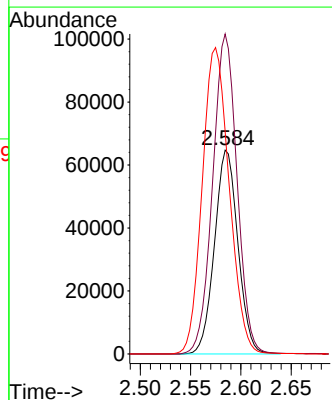
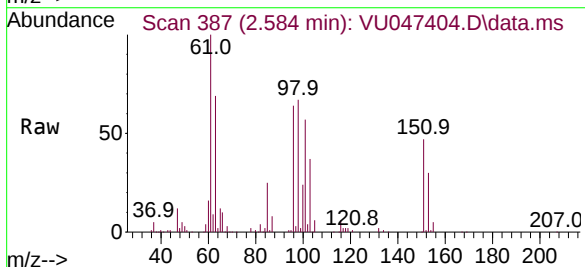
Tgt Ion: 96 Resp: 104788

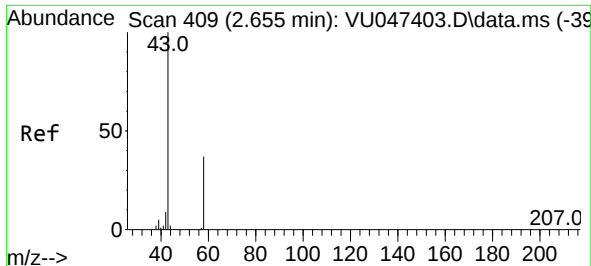
Ion Ratio Lower Upper

96 100

61 156.9 108.8 202.0

63 109.0 64.0 119.0





#13

Acetone

Concen: 65.078 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.003 min

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ClientSampleId :

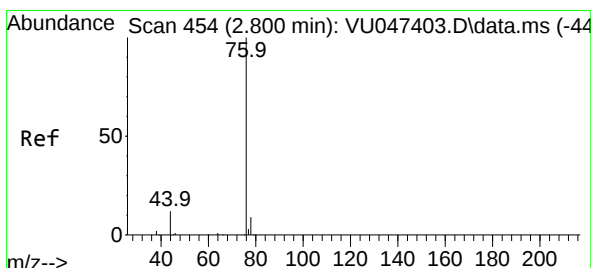
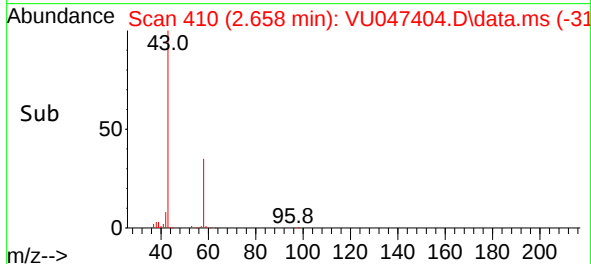
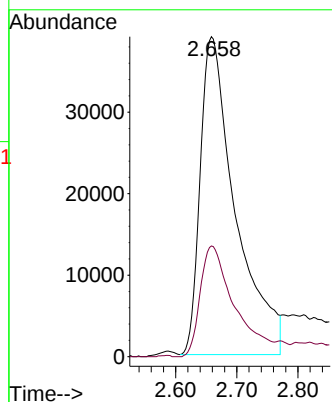
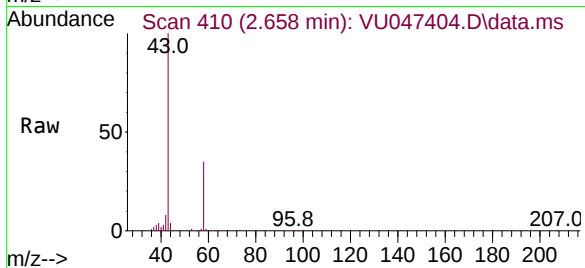
VSTD010016

Tgt Ion: 43 Resp: 155918

Ion Ratio Lower Upper

43 100

58 34.1 0.0 72.6



#14

Carbon disulfide

Concen: 8.065 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047404.D

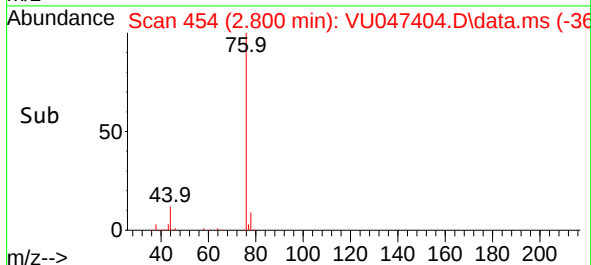
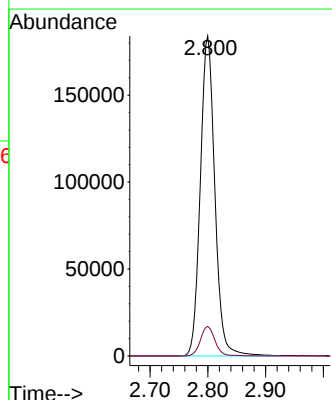
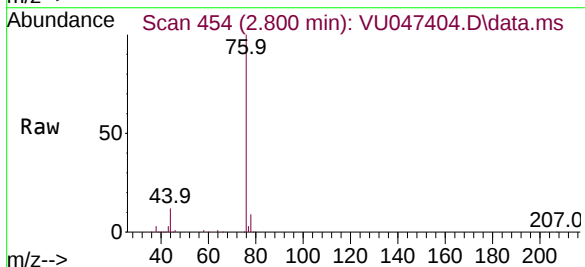
Acq: 09 Mar 2022 14:25

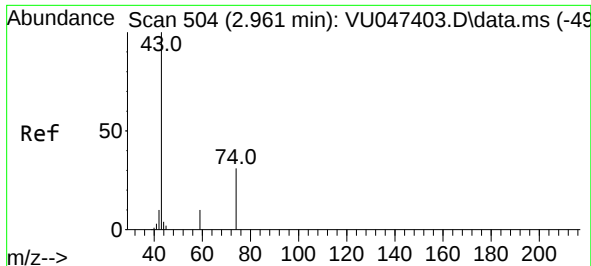
Tgt Ion: 76 Resp: 321263

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

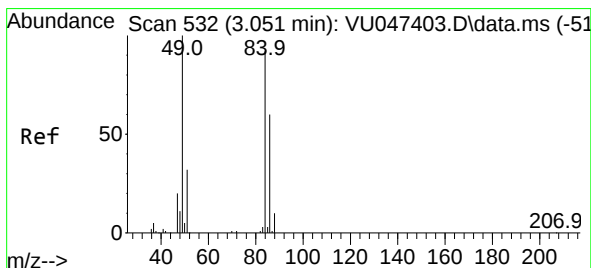
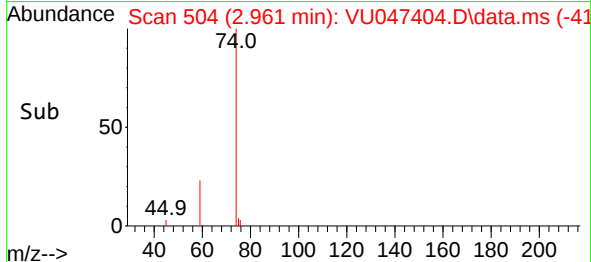
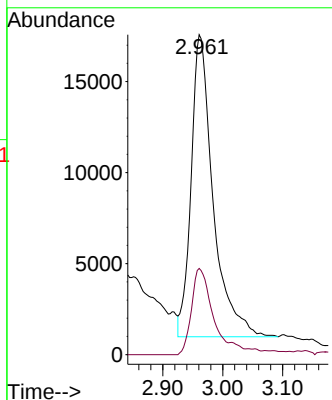
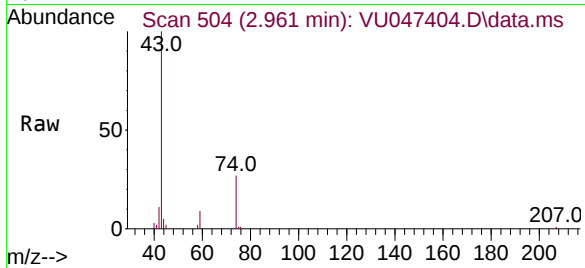




#15  
Methyl Acetate  
Concen: 8.010 ug/L  
RT: 2.961 min Scan# 504  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

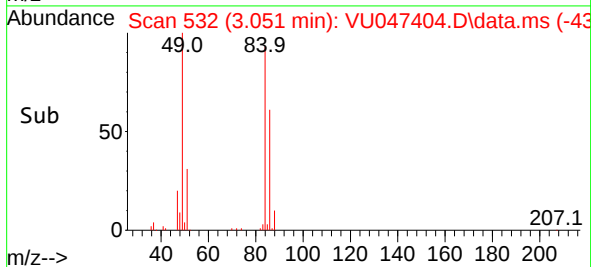
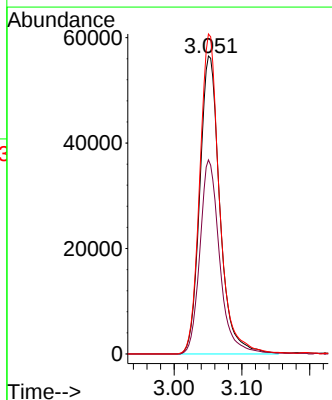
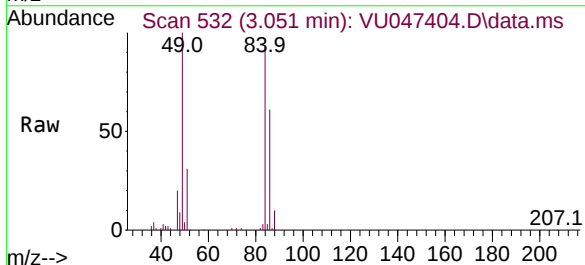
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

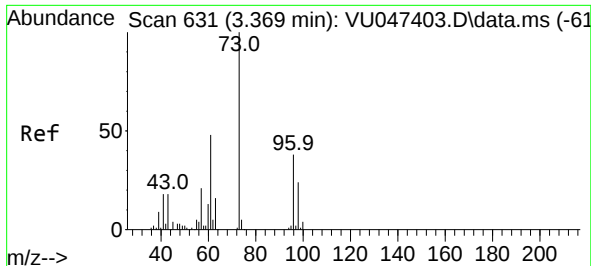
Tgt Ion: 43 Resp: 42253  
Ion Ratio Lower Upper  
43 100  
74 28.4 20.2 30.2



#16  
Methylene chloride  
Concen: 7.278 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion: 84 Resp: 116404  
Ion Ratio Lower Upper  
84 100  
86 65.1 45.9 85.3  
49 107.4 76.4 141.8





#17

Methyl tert-butyl Ether

Concen: 9.441 ug/L

RT: 3.369 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010016

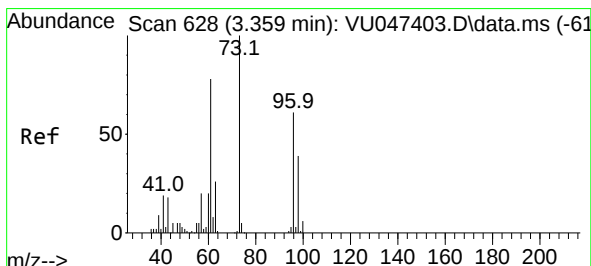
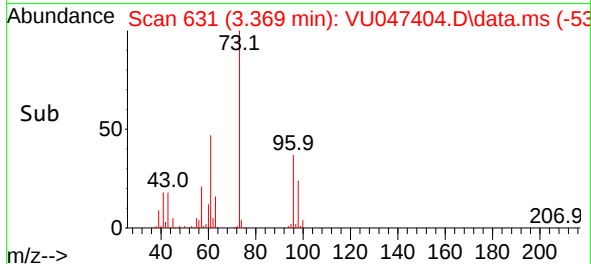
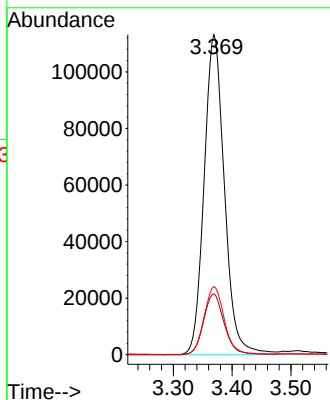
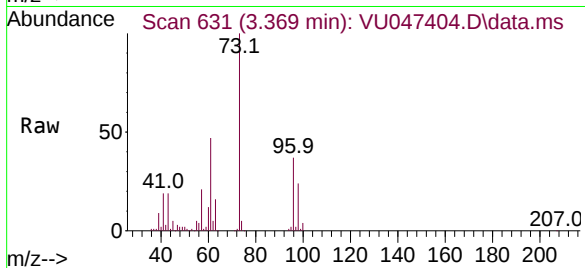
Tgt Ion: 73 Resp: 272215

Ion Ratio Lower Upper

73 100

43 19.2 14.6 22.0

57 21.2 16.5 24.7



#18

trans-1,2-Dichloroethene

Concen: 8.399 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

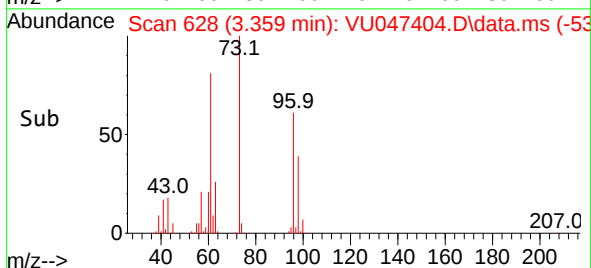
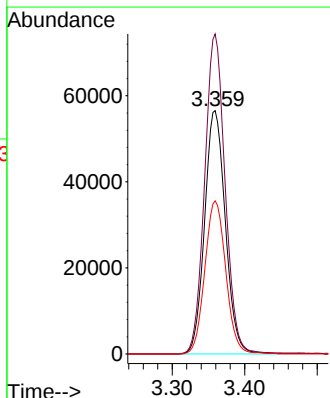
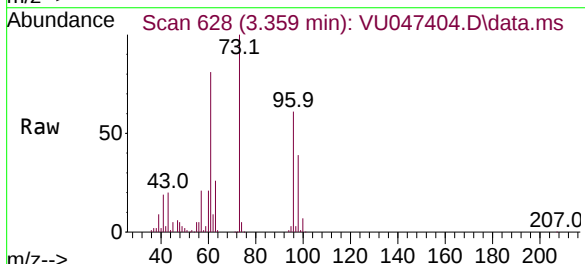
Tgt Ion: 96 Resp: 112618

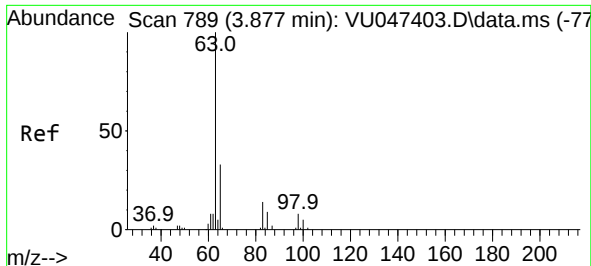
Ion Ratio Lower Upper

96 100

61 131.5 90.4 167.8

98 62.9 45.0 83.6





#19

1,1-Dichloroethane

Concen: 7.820 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010016

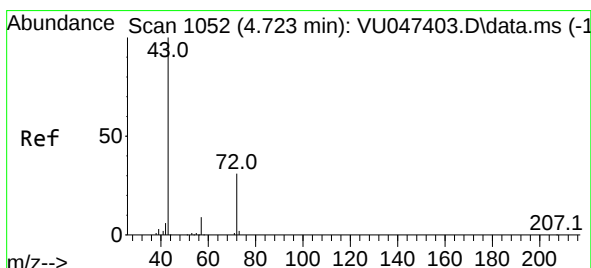
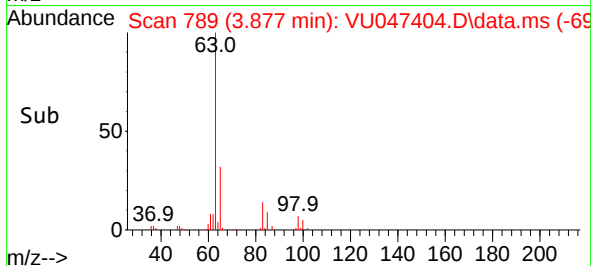
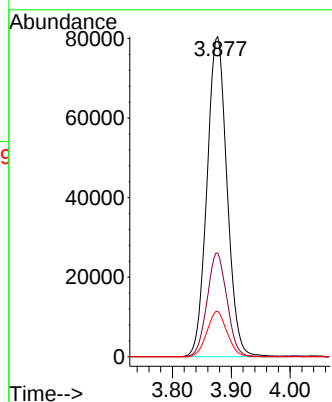
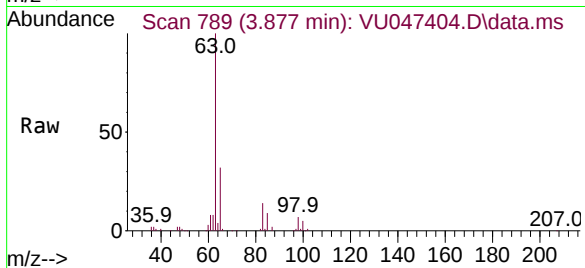
Tgt Ion: 63 Resp: 190413

Ion Ratio Lower Upper

63 100

65 32.4 22.8 42.4

83 14.2 9.9 18.3



#21

2-Butanone

Concen: 81.854 ug/L

RT: 4.723 min Scan# 1052

Delta R.T. -0.000 min

Lab File: VU047404.D

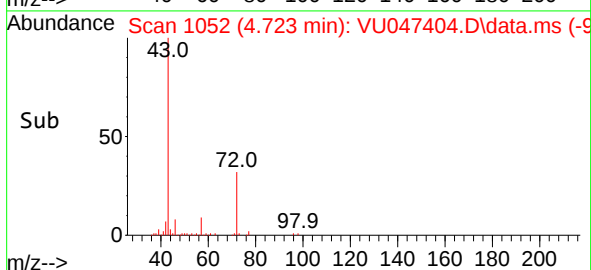
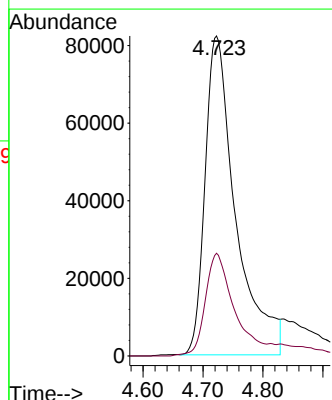
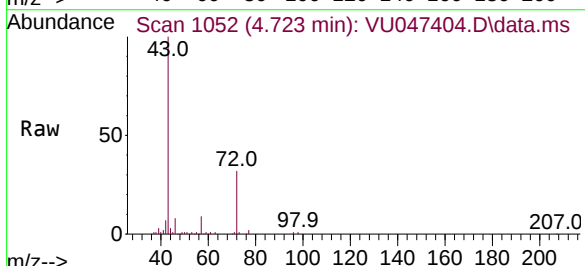
Acq: 09 Mar 2022 14:25

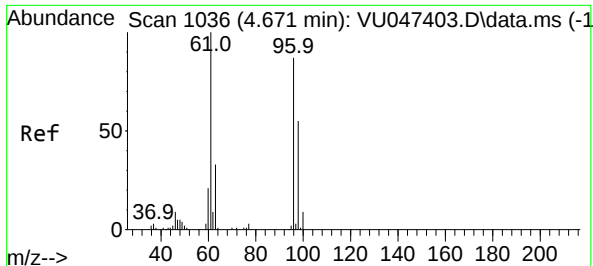
Tgt Ion: 43 Resp: 291580

Ion Ratio Lower Upper

43 100

72 30.4 14.7 44.1





#22

cis-1,2-Dichloroethene

Concen: 8.803 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010016

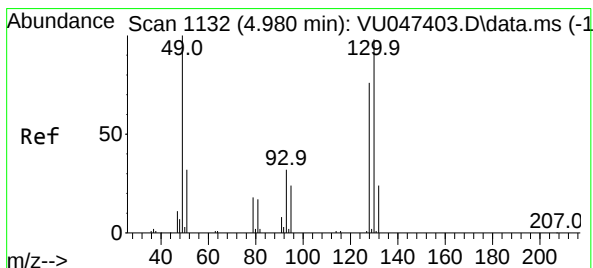
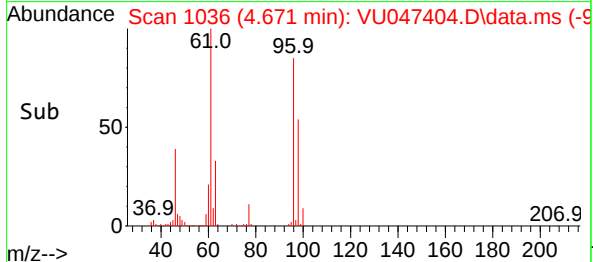
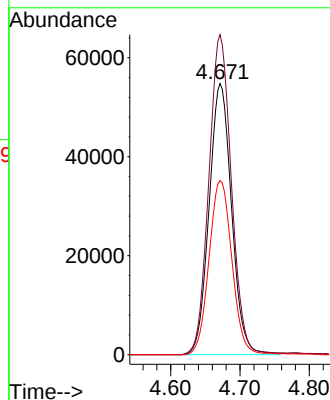
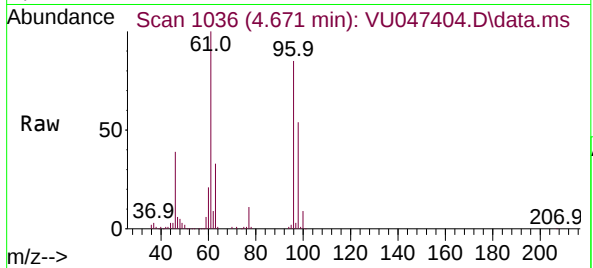
Tgt Ion: 96 Resp: 123585

Ion Ratio Lower Upper

96 100

61 118.0 80.8 150.0

98 64.2 44.7 83.1



#23

Bromochloromethane

Concen: 8.962 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

Tgt Ion: 128 Resp: 61282

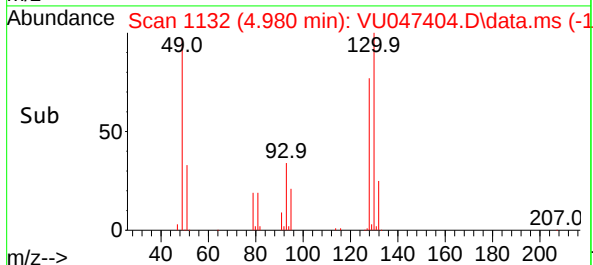
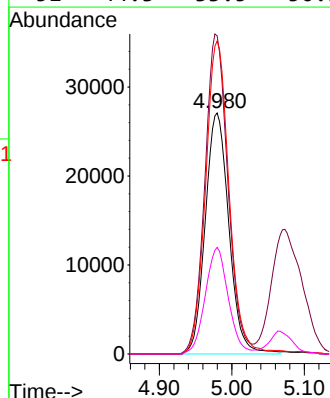
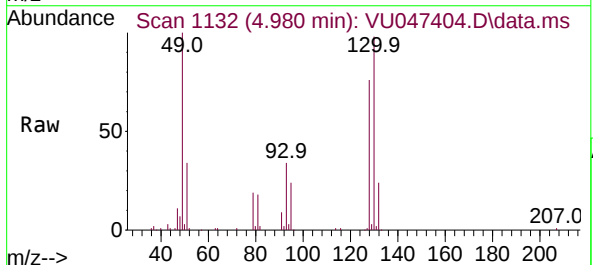
Ion Ratio Lower Upper

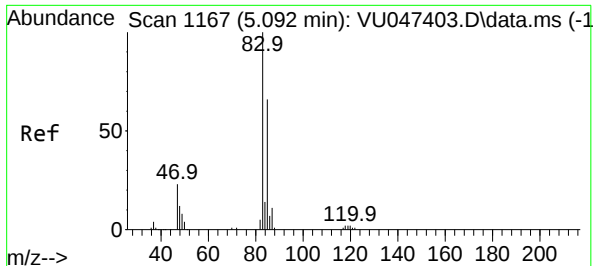
128 100

49 132.0 91.6 170.2

130 129.9 89.6 166.4

51 44.3 33.5 50.3





#25

Chloroform

Concen: 7.337 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

Instrument :

MSVOA\_U

ClientSampleId :

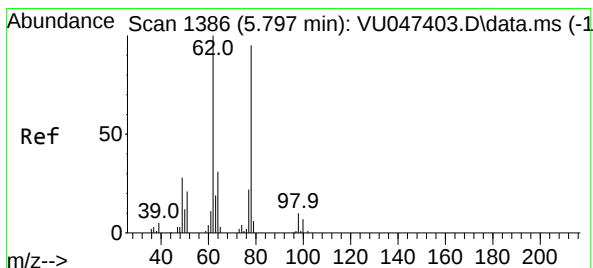
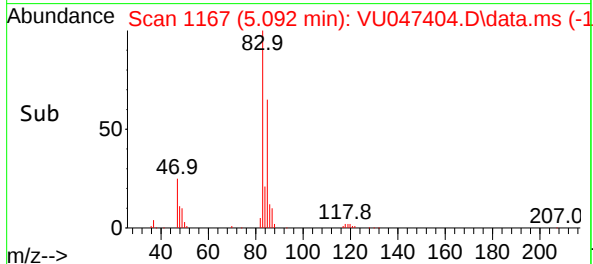
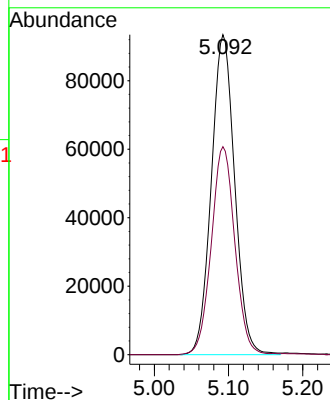
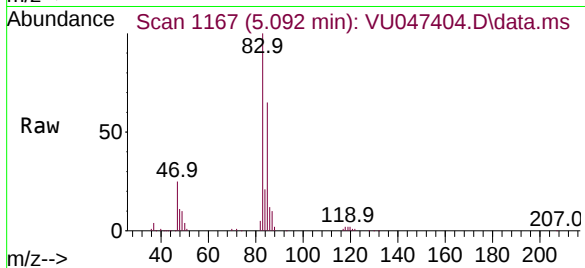
VSTD010016

Tgt Ion: 83 Resp: 204146

Ion Ratio Lower Upper

83 100

85 65.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 8.232 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU047404.D

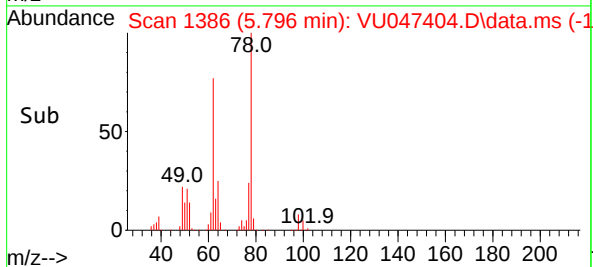
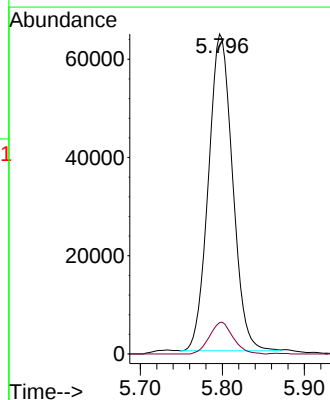
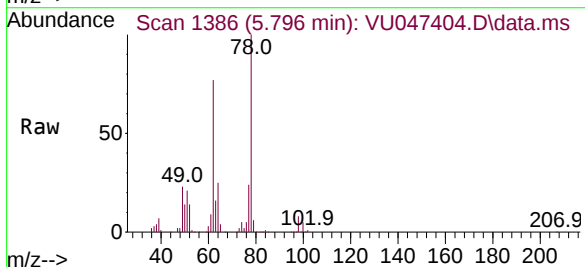
Acq: 09 Mar 2022 14:25

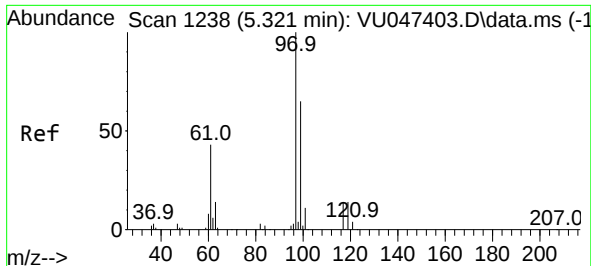
Tgt Ion: 62 Resp: 132057

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 9.421 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010016

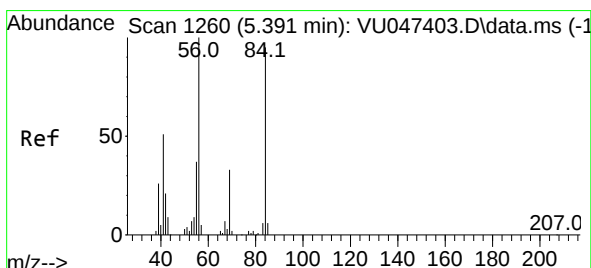
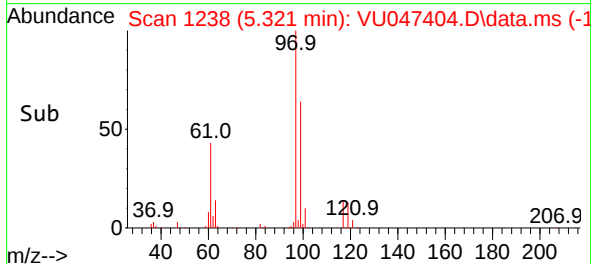
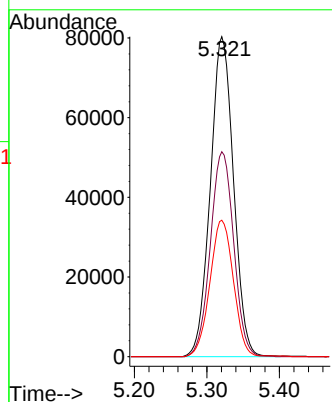
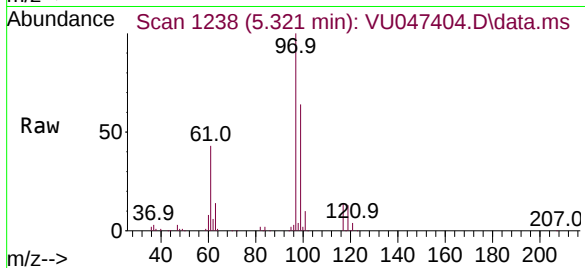
Tgt Ion: 97 Resp: 178411

Ion Ratio Lower Upper

97 100

99 64.6 52.1 78.1

61 43.3 33.8 50.6



#30

Cyclohexane

Concen: 11.129 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

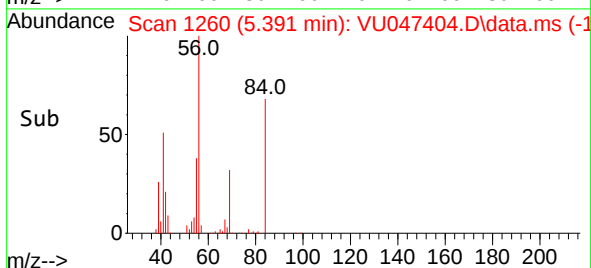
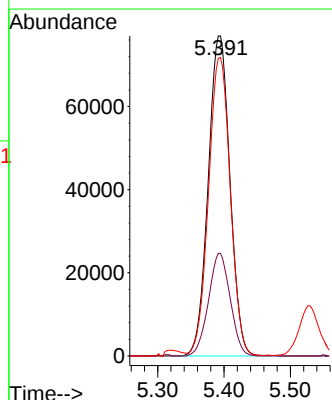
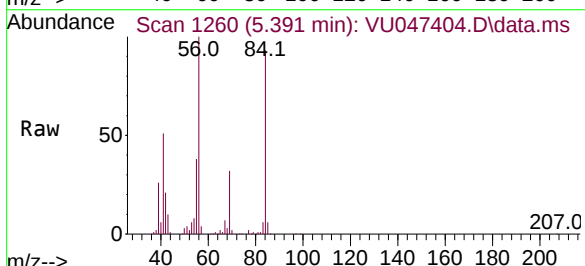
Tgt Ion: 56 Resp: 175278

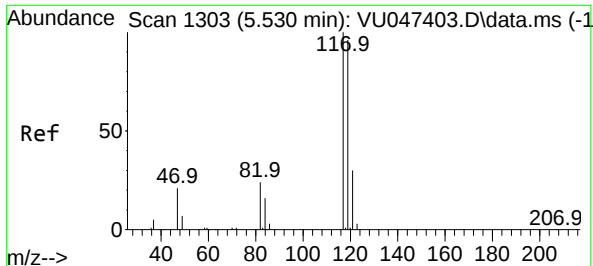
Ion Ratio Lower Upper

56 100

69 32.0 26.0 39.0

84 93.2 76.3 114.5

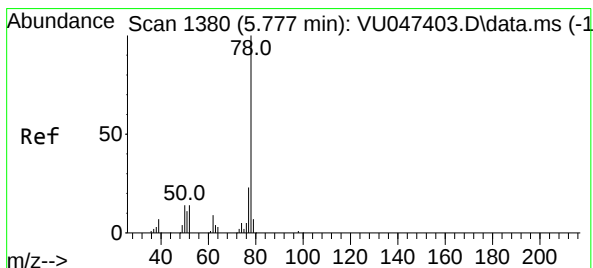
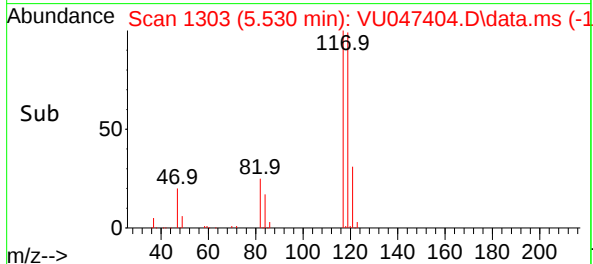
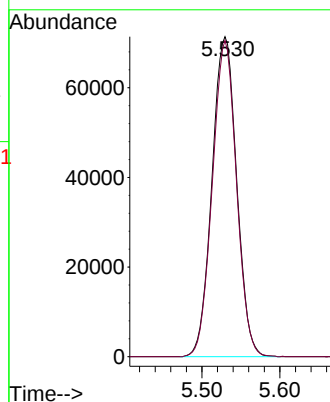
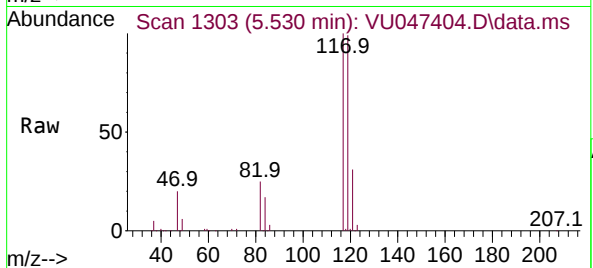




#31  
Carbon tetrachloride  
Concen: 9.588 ug/L  
RT: 5.530 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

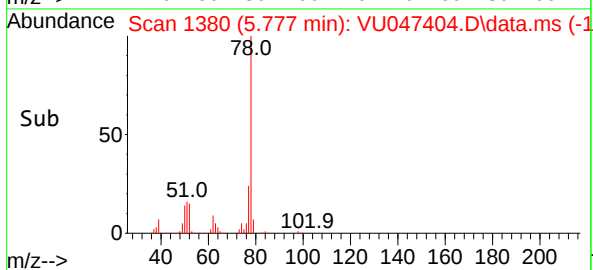
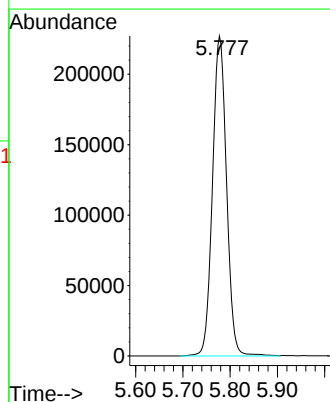
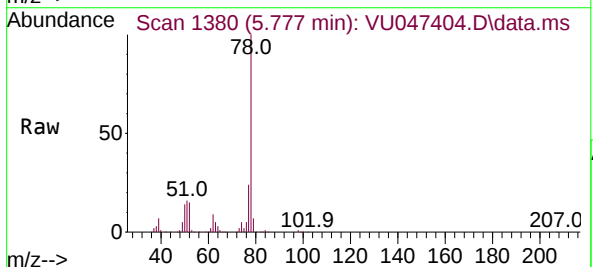
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

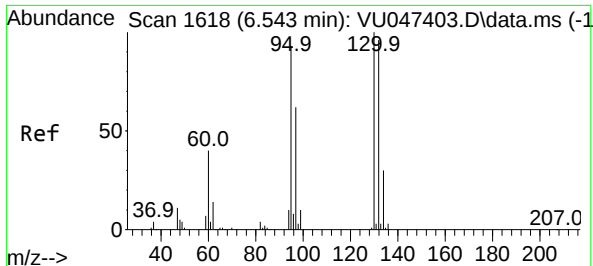
Tgt Ion:117 Resp: 157161  
Ion Ratio Lower Upper  
117 100  
119 96.4 75.8 113.8



#33  
Benzene  
Concen: 10.041 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion: 78 Resp: 468769





#34

Trichloroethene

Concen: 10.542 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010016

Tgt Ion: 95 Resp: 126702

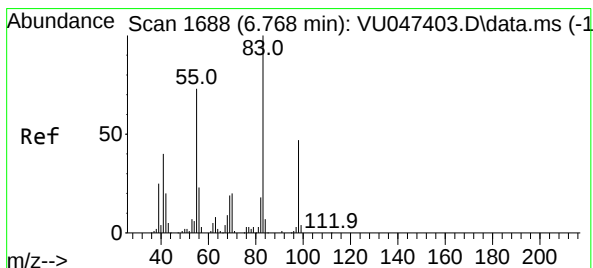
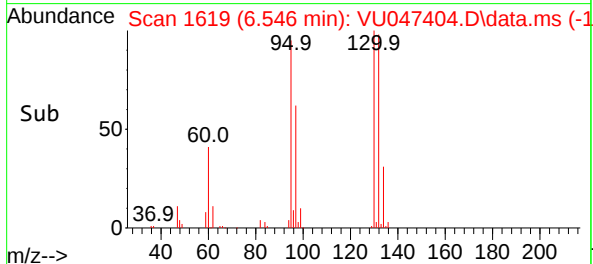
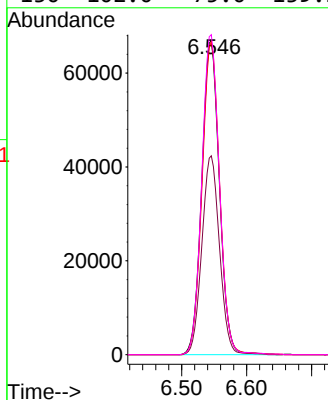
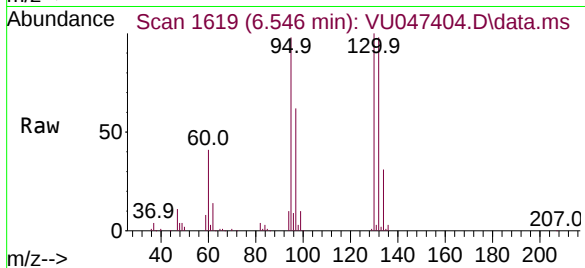
Ion Ratio Lower Upper

95 100

97 63.4 46.3 85.9

132 99.7 71.7 133.1

130 102.0 75.0 139.2



#35

Methylcyclohexane

Concen: 11.899 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

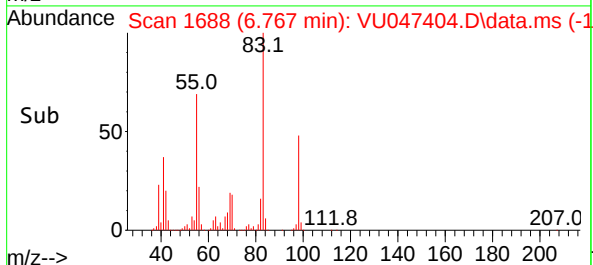
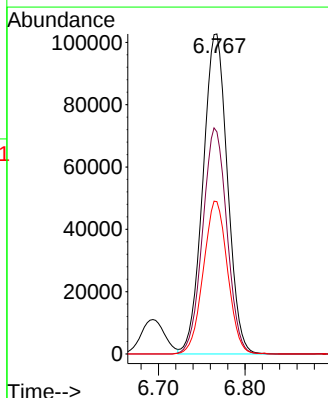
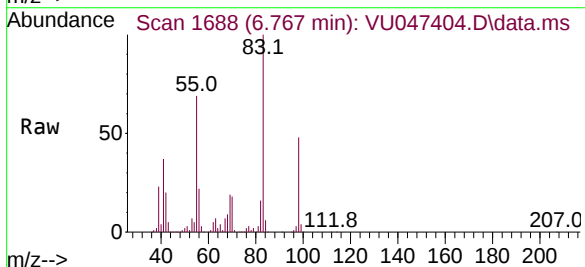
Tgt Ion: 83 Resp: 202269

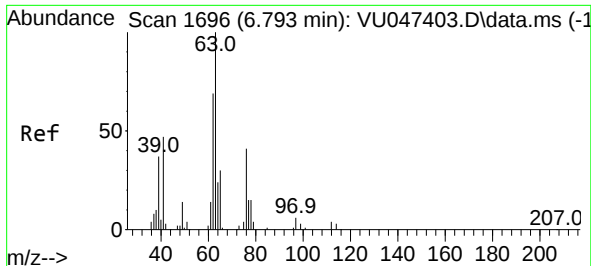
Ion Ratio Lower Upper

83 100

55 69.7 57.8 86.8

98 47.1 38.0 57.0

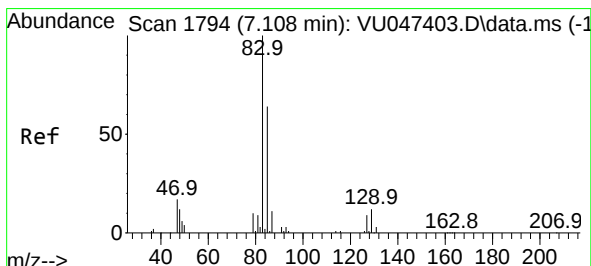
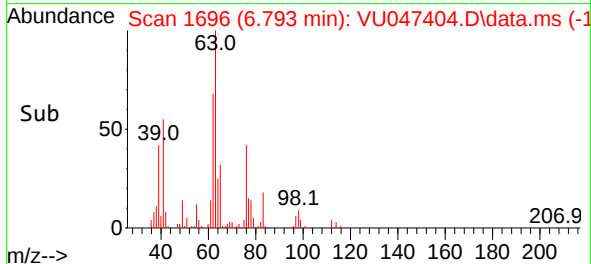
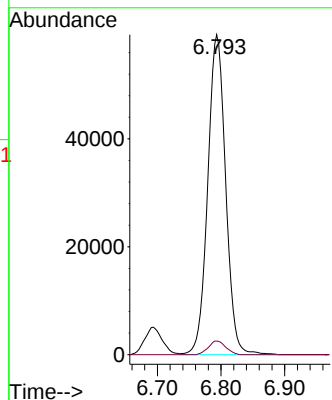
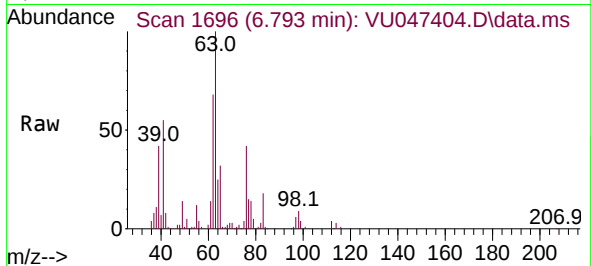




#37  
1,2-Dichloropropane  
Concen: 9.493 ug/L  
RT: 6.793 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

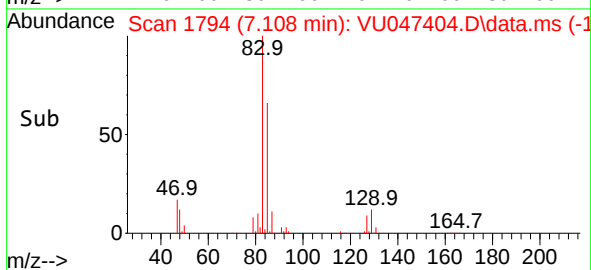
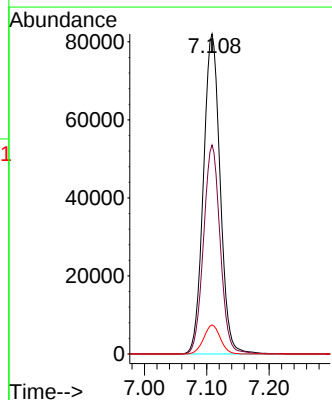
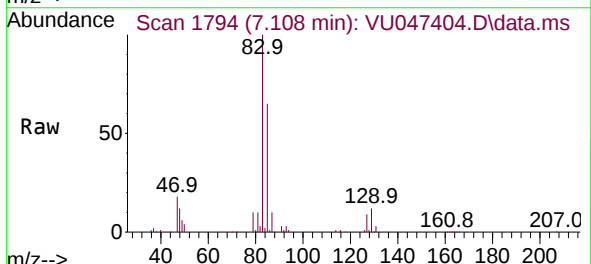
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

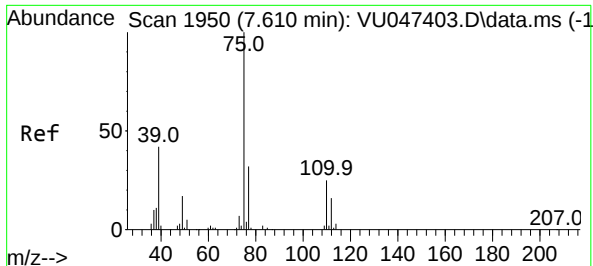
Tgt Ion: 63 Resp: 116102  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.3 4.9



#38  
Bromodichloromethane  
Concen: 9.539 ug/L  
RT: 7.108 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion: 83 Resp: 153053  
Ion Ratio Lower Upper  
83 100  
85 65.3 45.0 83.6  
127 9.1 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 10.919 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

Instrument :

MSVOA\_U

ClientSampleId :

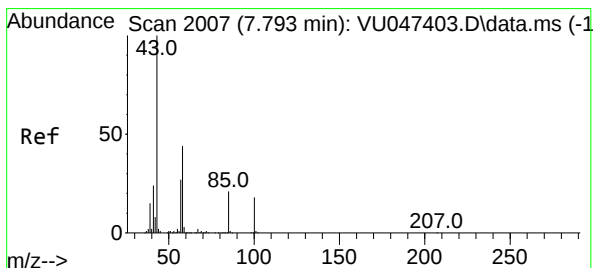
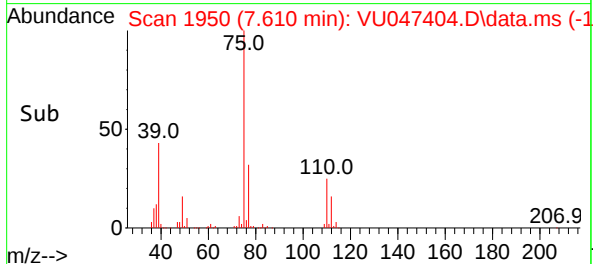
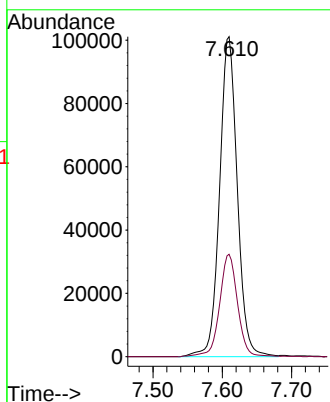
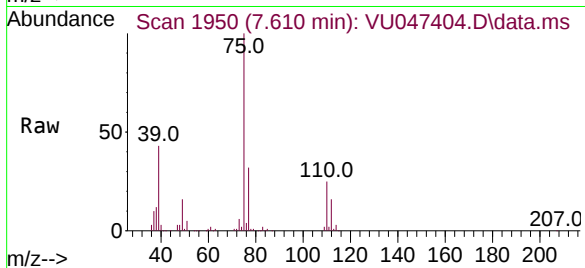
VSTD010016

Tgt Ion: 75 Resp: 180012

Ion Ratio Lower Upper

75 100

77 32.0 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 116.722 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

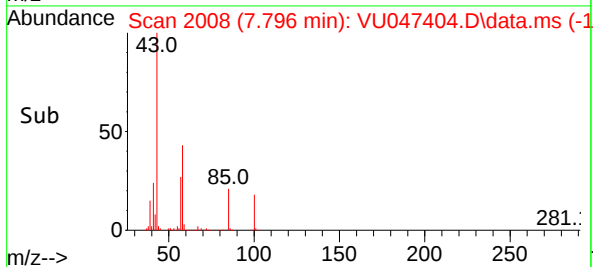
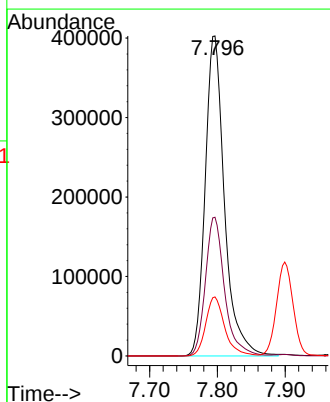
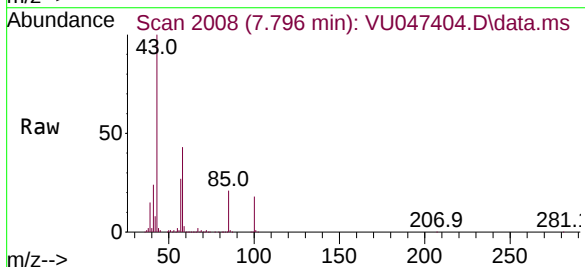
Tgt Ion: 43 Resp: 794685

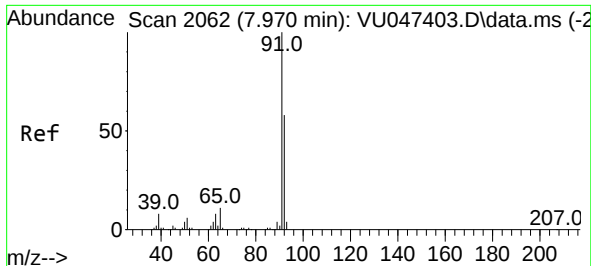
Ion Ratio Lower Upper

43 100

58 43.2 34.8 52.2

100 18.3 14.2 21.4

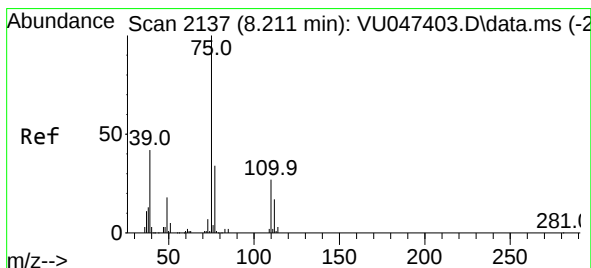
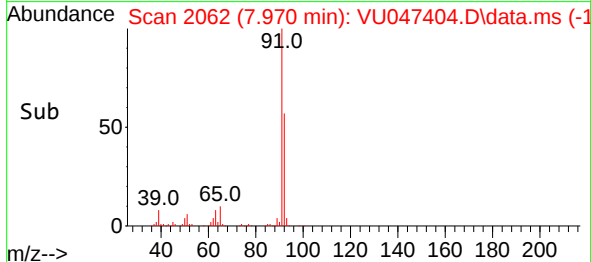
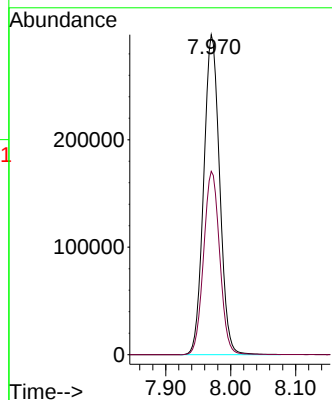
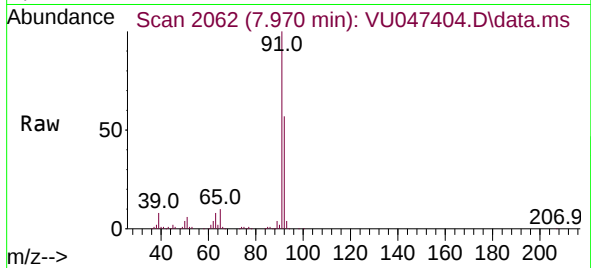




#42  
Toluene  
Concen: 10.606 ug/L  
RT: 7.970 min Scan# 2062  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

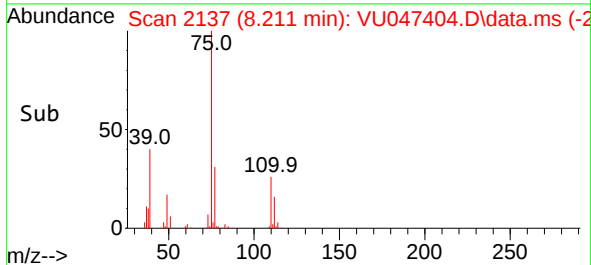
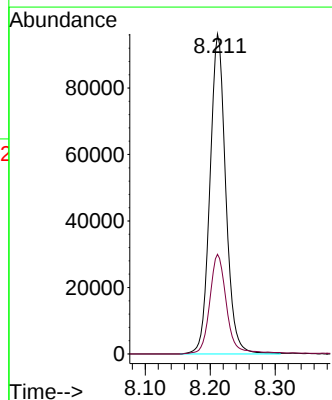
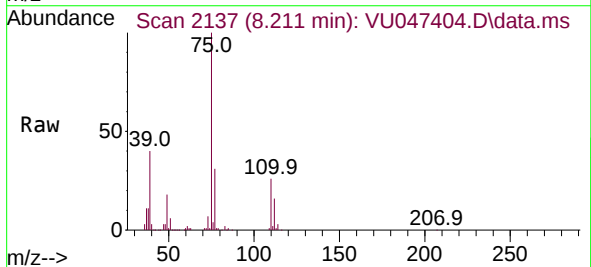
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

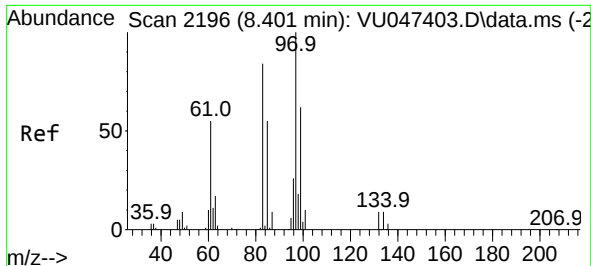
Tgt Ion: 91 Resp: 508983  
Ion Ratio Lower Upper  
91 100  
92 57.3 40.8 75.8



#44  
trans-1,3-Dichloropropene  
Concen: 11.186 ug/L  
RT: 8.211 min Scan# 2137  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion: 75 Resp: 163276  
Ion Ratio Lower Upper  
75 100  
77 31.1 23.6 43.8

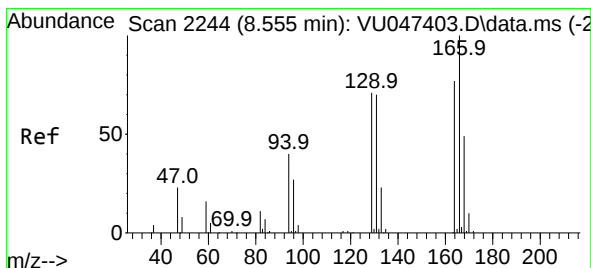
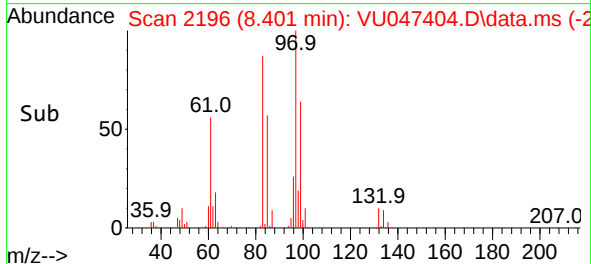
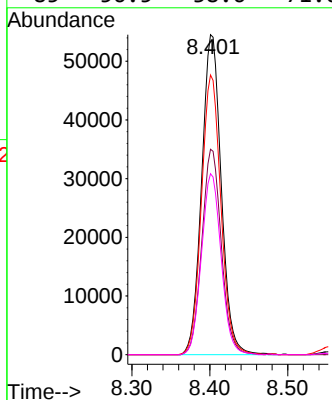
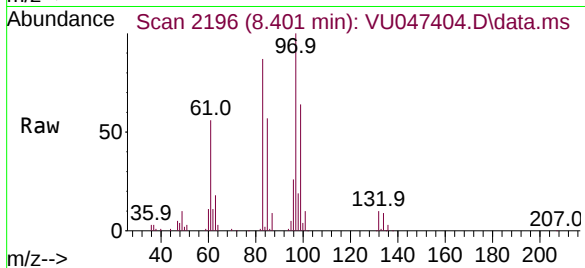




#45  
1,1,2-Trichloroethane  
Concen: 10.320 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

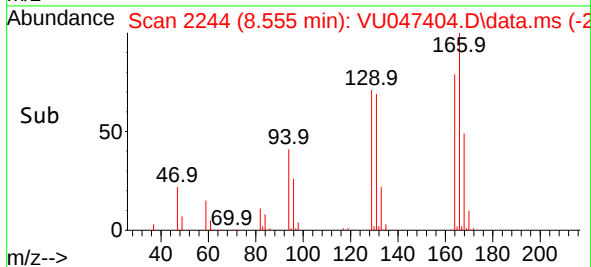
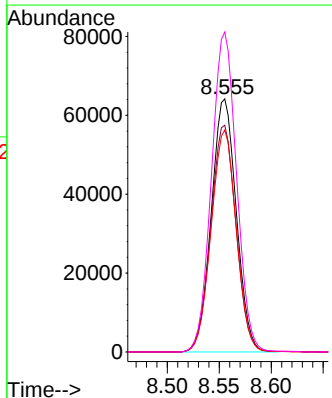
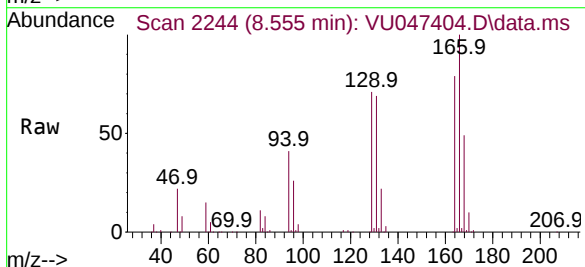
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

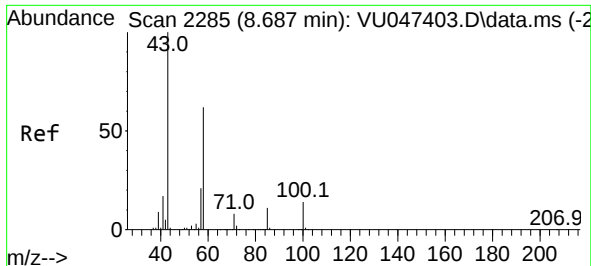
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 95451 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.2  | 43.3  | 80.5  |
| 83       | 87.4  | 59.1  | 109.9 |
| 85       | 56.5  | 38.6  | 71.6  |



#47  
Tetrachloroethene  
Concen: 11.389 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 107556 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 89.6  | 64.9  | 120.5  |
| 131      | 87.7  | 63.6  | 118.2  |
| 166      | 126.4 | 91.4  | 169.8  |



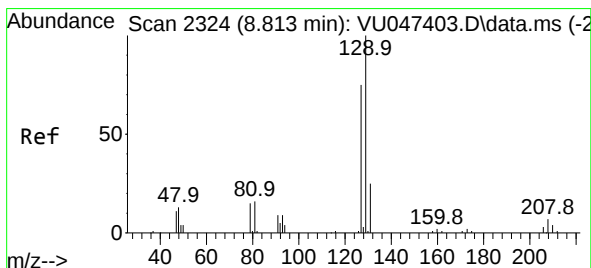
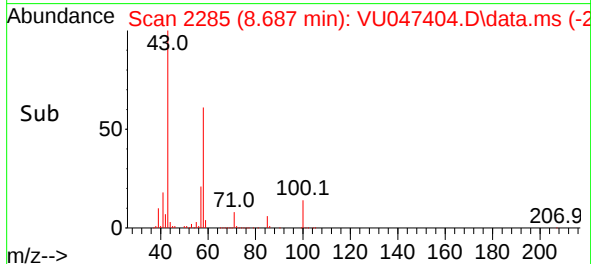
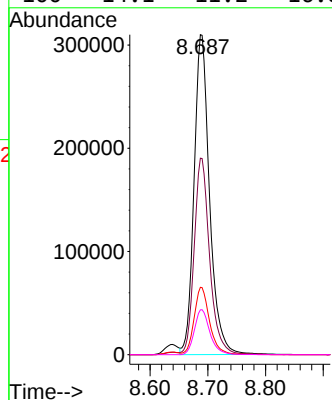
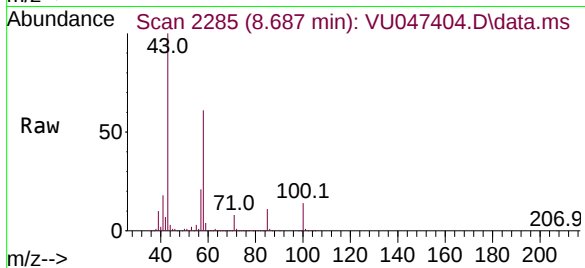


#48  
2-Hexanone  
Concen: 113.288 ug/L  
RT: 8.687 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

Tgt Ion: 43 Resp: 579089

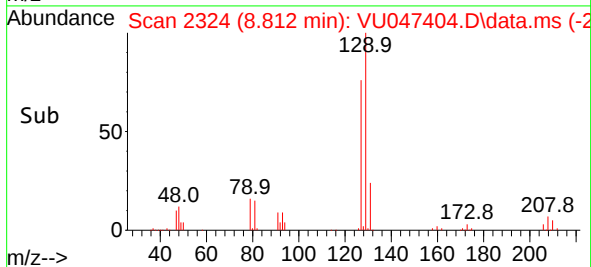
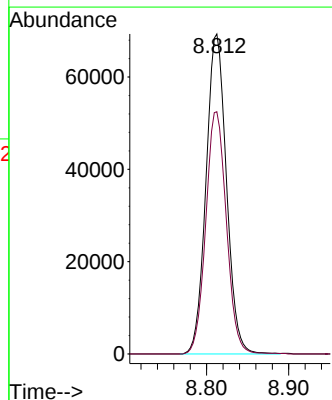
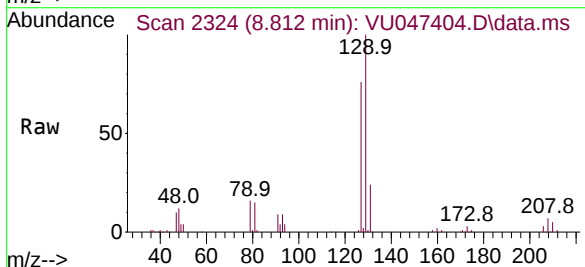
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 61.4  | 47.7  | 71.5  |
| 57  | 20.8  | 16.6  | 25.0  |
| 100 | 14.1  | 11.2  | 16.8  |

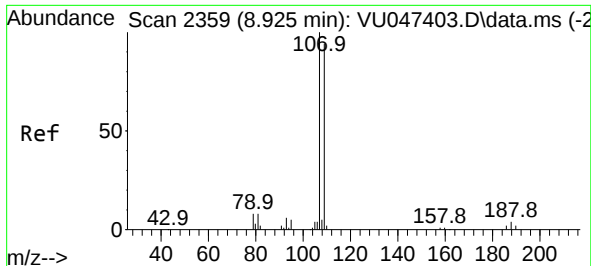


#49  
Dibromochloromethane  
Concen: 10.905 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion: 129 Resp: 119705

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 75.7  | 52.6  | 97.8  |

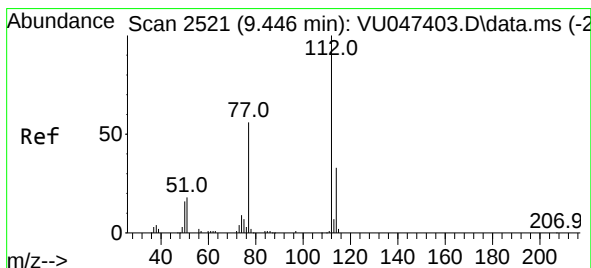
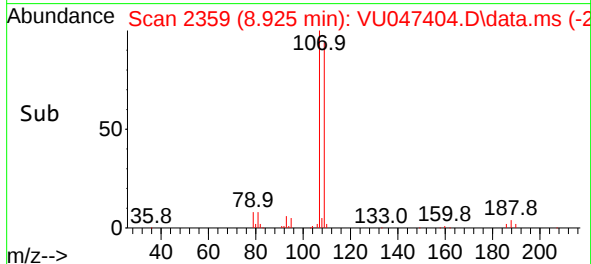
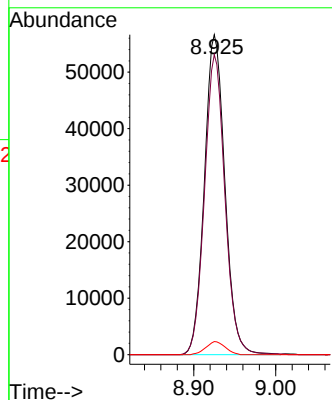
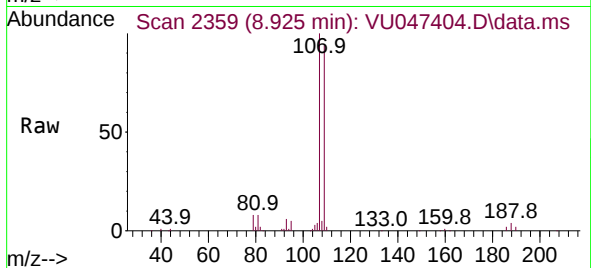




#50  
1,2-Dibromoethane  
Concen: 11.239 ug/L  
RT: 8.925 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

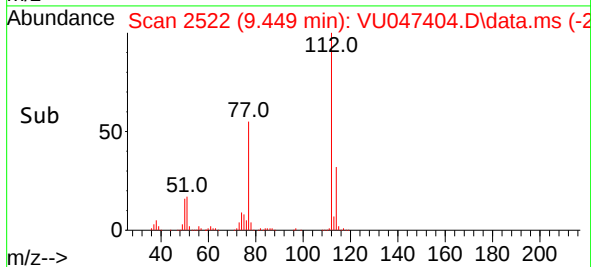
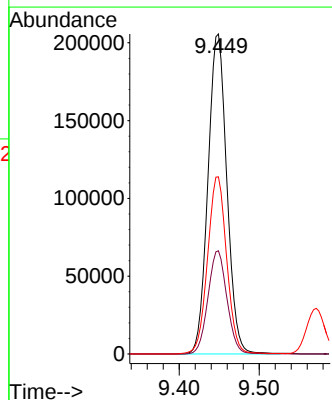
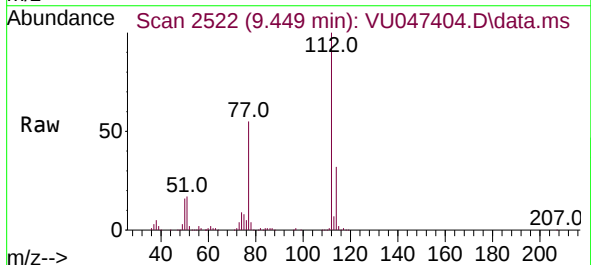
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MSVOA\_U  
ClientSampleId :  
VSTD010016

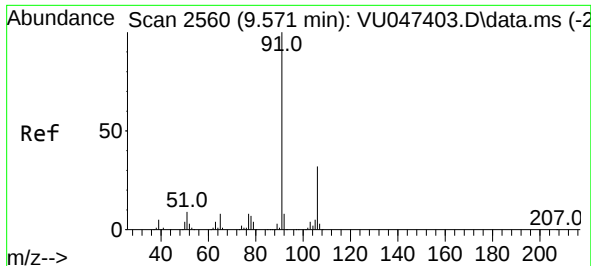
Tgt Ion:107 Resp: 98421  
Ion Ratio Lower Upper  
107 100  
109 93.7 65.8 122.2  
188 4.1 3.3 4.9



#51  
Chlorobenzene  
Concen: 10.542 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.003 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion:112 Resp: 337572  
Ion Ratio Lower Upper  
112 100  
114 32.2 22.8 42.4  
77 55.3 45.0 67.6

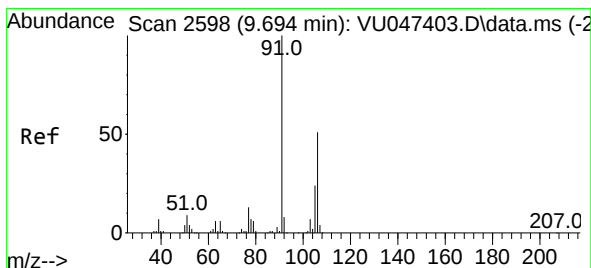
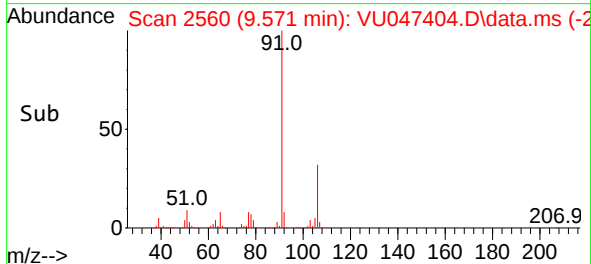
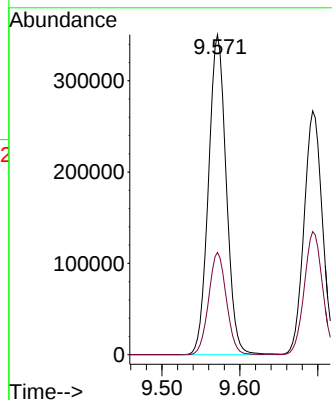
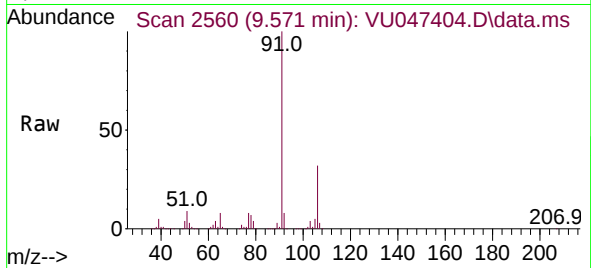




#52  
Ethylbenzene  
Concen: 11.190 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

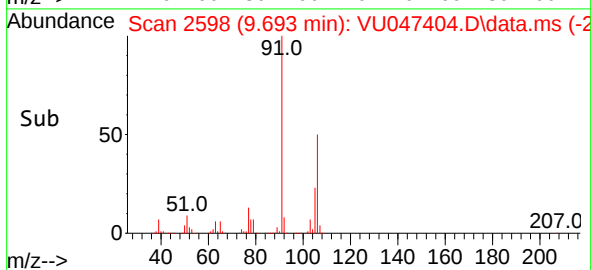
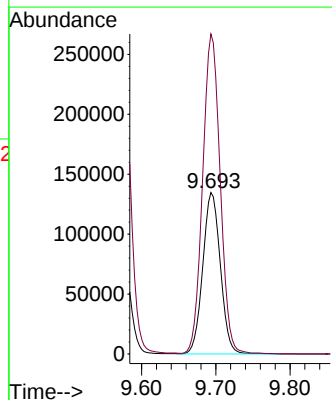
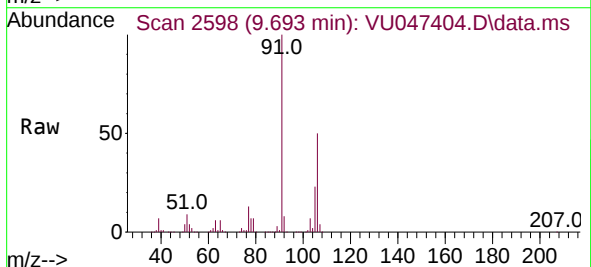
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

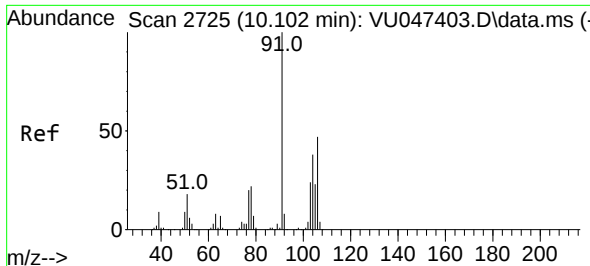
Tgt Ion: 91 Resp: 554962  
Ion Ratio Lower Upper  
91 100  
106 31.9 22.4 41.6



#53  
m,p-Xylene  
Concen: 11.502 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion: 106 Resp: 221133  
Ion Ratio Lower Upper  
106 100  
91 198.2 138.8 257.8

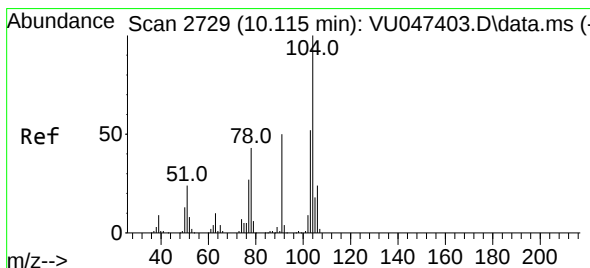
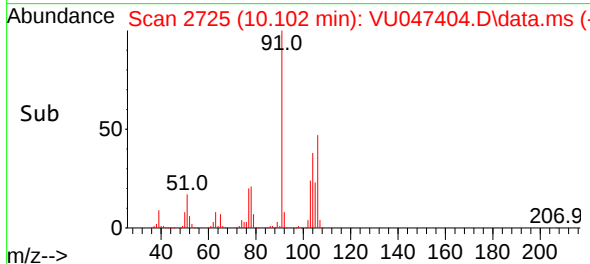
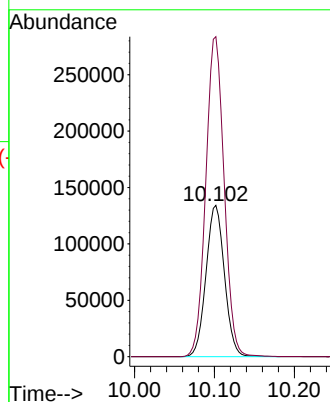
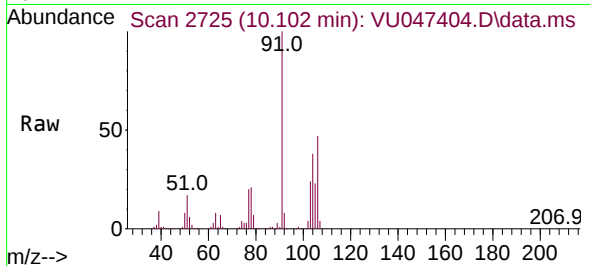




#54  
o-Xylene  
Concen: 12.035 ug/L  
RT: 10.102 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

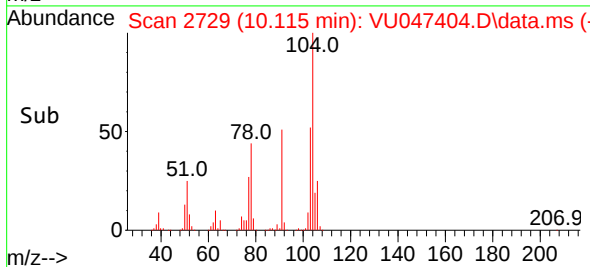
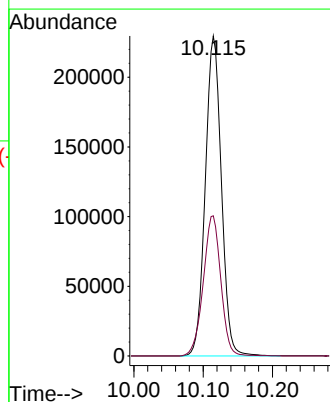
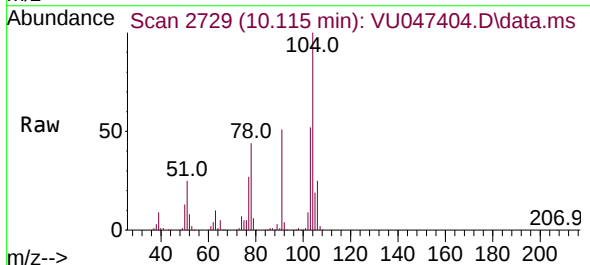
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

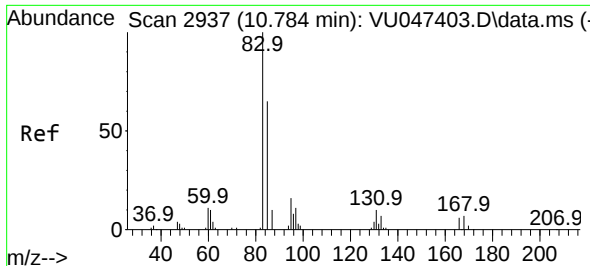
Tgt Ion:106 Resp: 215596  
Ion Ratio Lower Upper  
106 100  
91 211.5 149.2 277.0



#55  
Styrene  
Concen: 11.788 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion:104 Resp: 369404  
Ion Ratio Lower Upper  
104 100  
78 43.8 30.4 56.4

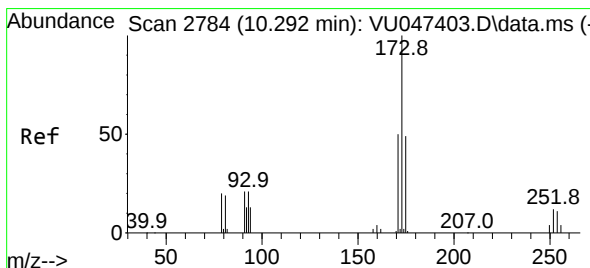
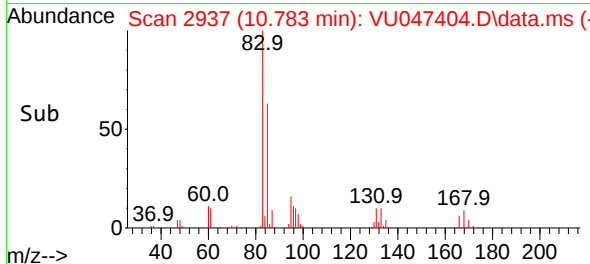
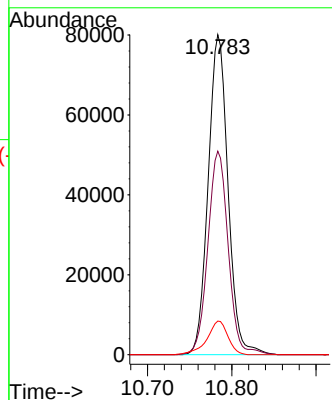
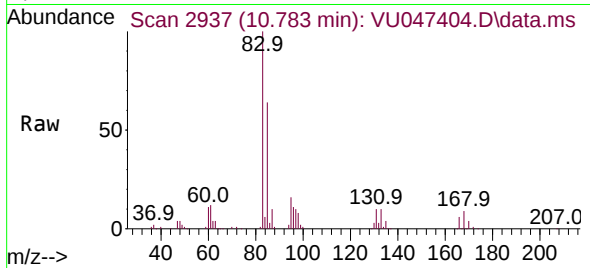




#57  
1,1,2,2-Tetrachloroethane  
Concen: 10.854 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

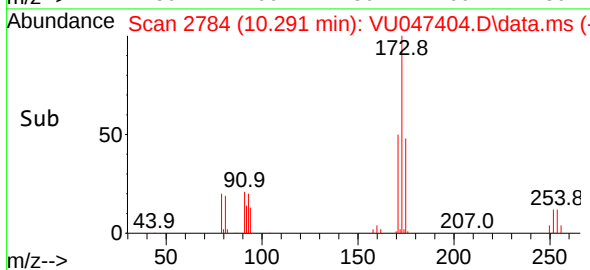
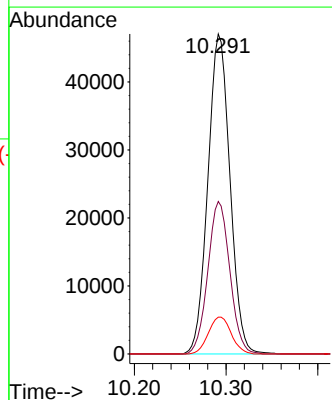
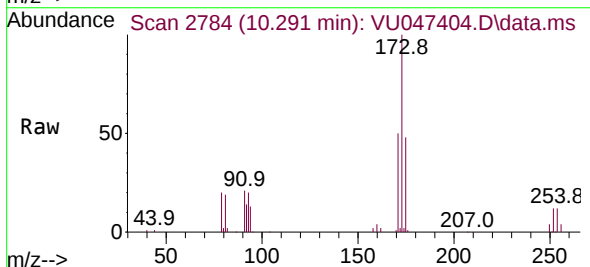
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

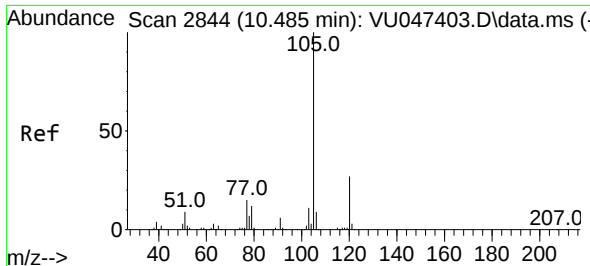
Tgt Ion: 83 Resp: 131332  
Ion Ratio Lower Upper  
83 100  
85 63.6 46.0 85.4  
131 10.5 8.2 12.4



#59  
Bromoform  
Concen: 11.960 ug/L  
RT: 10.291 min Scan# 2784  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion:173 Resp: 78692  
Ion Ratio Lower Upper  
173 100  
175 47.5 38.7 58.1  
254 12.0 9.0 13.4

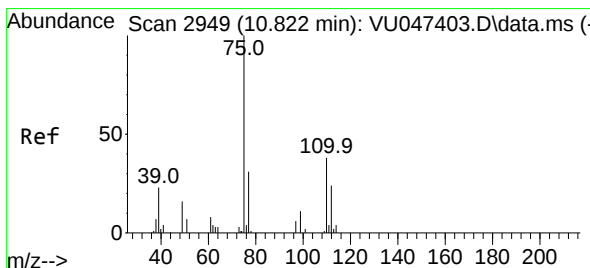
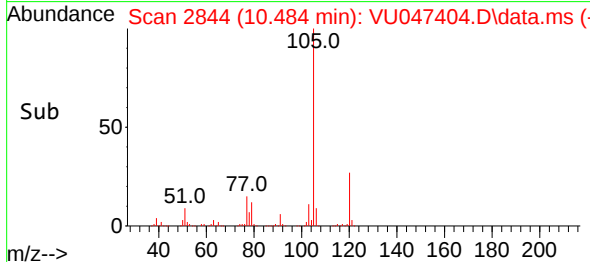
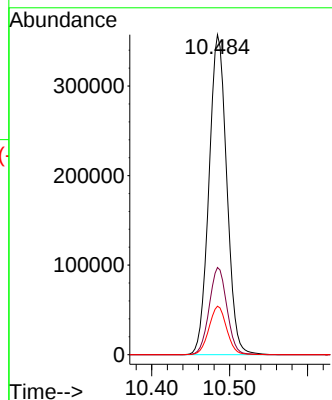
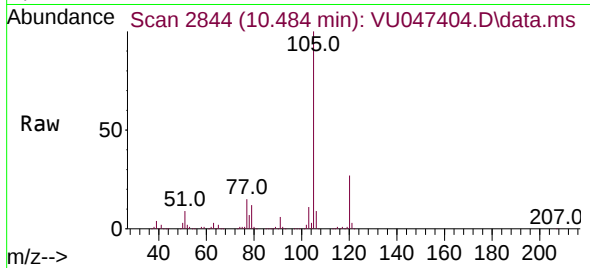




#60  
Isopropylbenzene  
Concen: 11.373 ug/L  
RT: 10.484 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

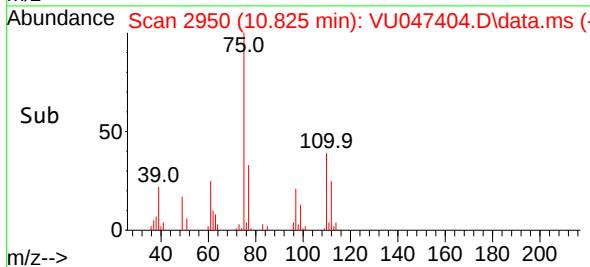
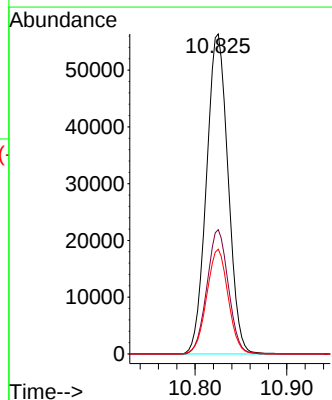
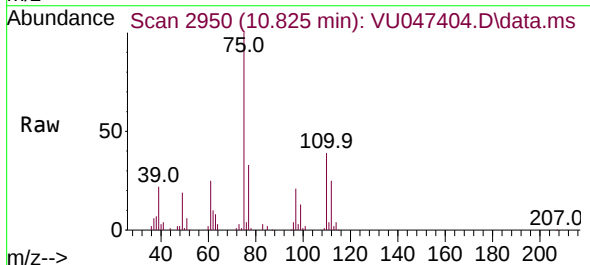
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

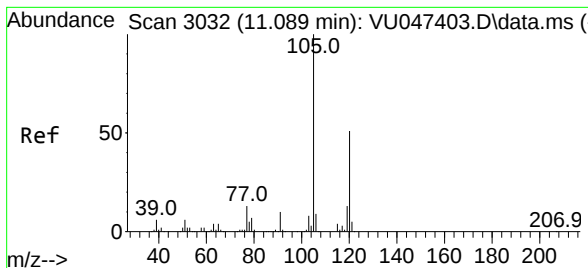
Tgt Ion:105 Resp: 565636  
Ion Ratio Lower Upper  
105 100  
120 27.1 21.8 32.6  
77 15.1 12.2 18.2



#61  
1,2,3-Trichloropropane  
Concen: 10.045 ug/L  
RT: 10.825 min Scan# 2950  
Delta R.T. 0.003 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion: 75 Resp: 92423  
Ion Ratio Lower Upper  
75 100  
110 38.4 31.0 46.4  
77 32.5 26.2 39.4

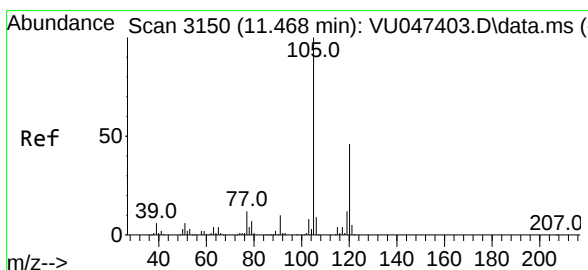
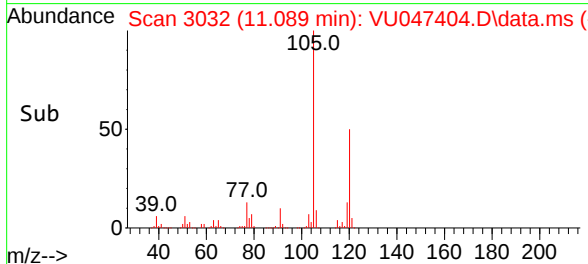
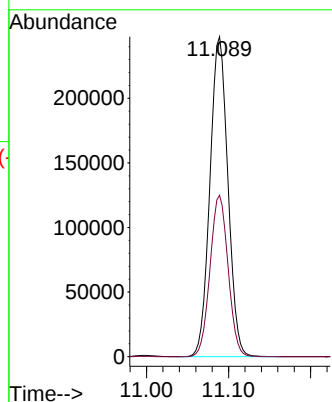
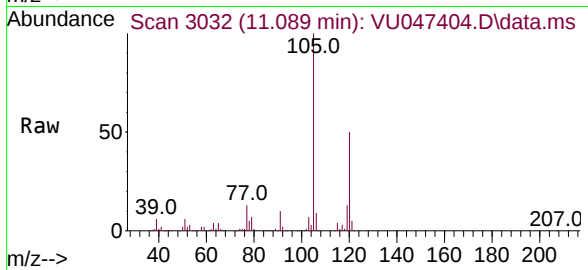




#62  
 1,3,5-Trimethylbenzene  
 Concen: 10.069 ug/L  
 RT: 11.089 min Scan# 3032  
 Delta R.T. -0.000 min  
 Lab File: VU047404.D  
 Acq: 09 Mar 2022 14:25

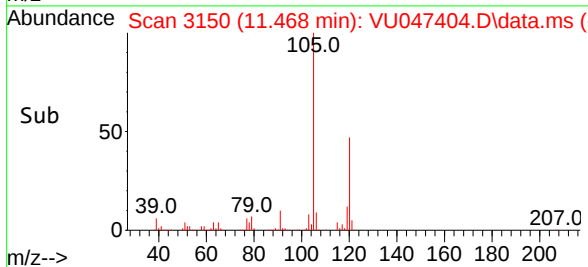
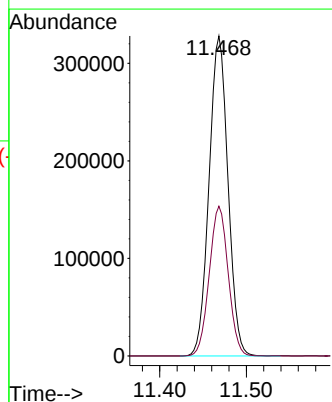
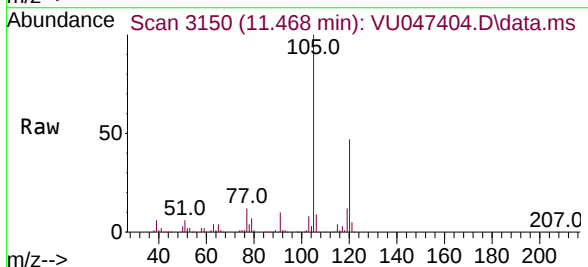
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010016

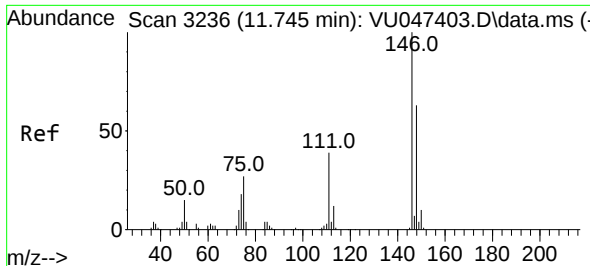
Tgt Ion:105 Resp: 377579  
 Ion Ratio Lower Upper  
 105 100  
 120 50.7 40.1 60.1



#63  
 1,2,4-Trimethylbenzene  
 Concen: 12.418 ug/L  
 RT: 11.468 min Scan# 3150  
 Delta R.T. -0.000 min  
 Lab File: VU047404.D  
 Acq: 09 Mar 2022 14:25

Tgt Ion:105 Resp: 496965  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 37.2 55.8

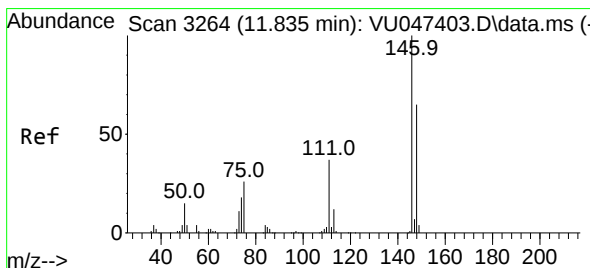
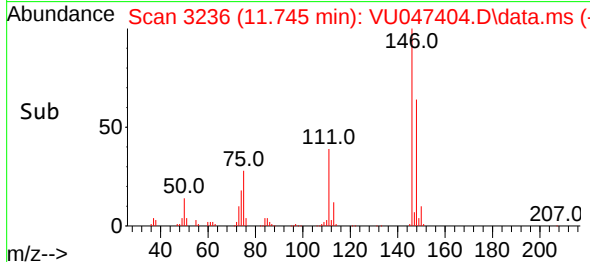
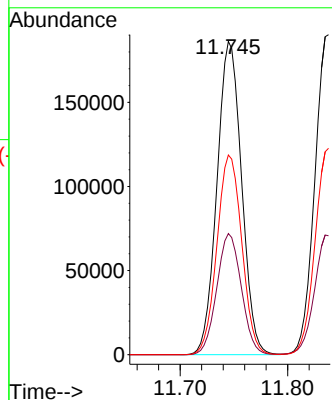
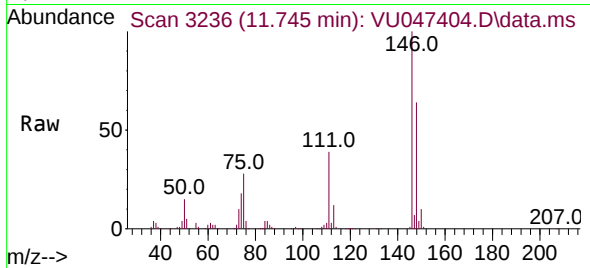




#64  
1,3-Dichlorobenzene  
Concen: 11.110 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

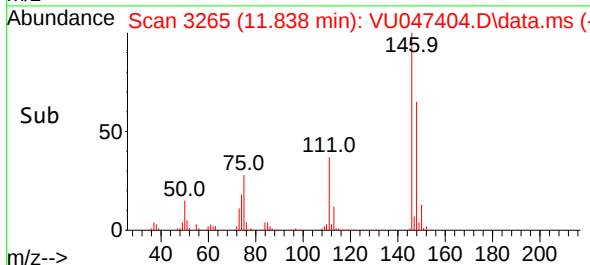
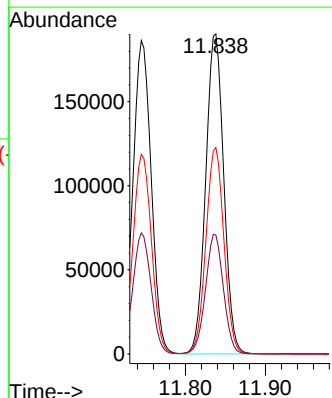
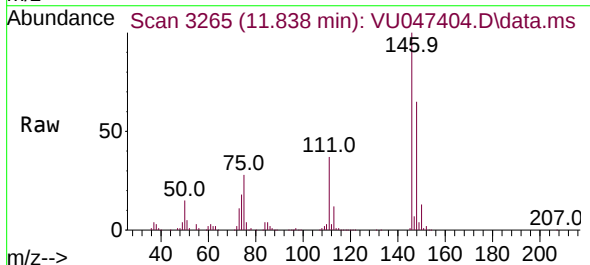
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

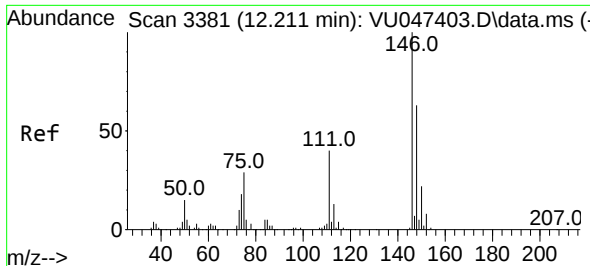
Tgt Ion:146 Resp: 296139  
Ion Ratio Lower Upper  
146 100  
111 38.7 27.0 50.2  
148 63.7 44.4 82.4



#65  
1,4-Dichlorobenzene  
Concen: 10.955 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion:146 Resp: 298850  
Ion Ratio Lower Upper  
146 100  
111 37.1 26.1 48.5  
148 64.5 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 11.141 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010016

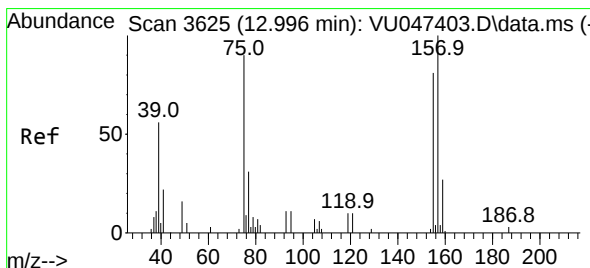
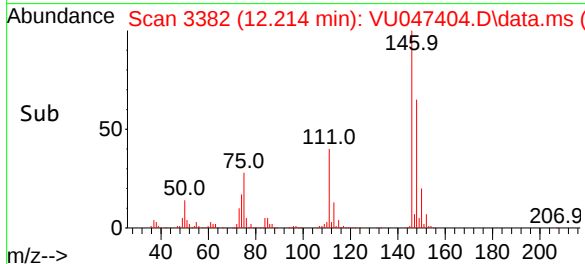
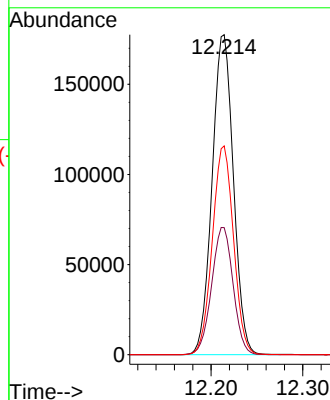
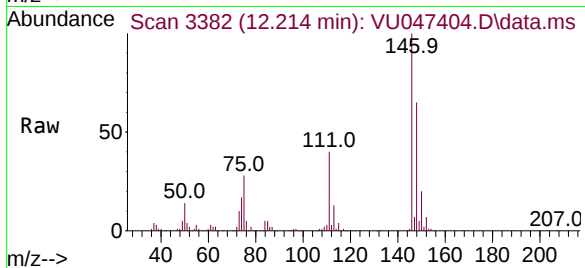
Tgt Ion:146 Resp: 286077

Ion Ratio Lower Upper

146 100

111 39.7 31.9 47.9

148 65.2 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 10.511 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU047404.D

Acq: 09 Mar 2022 14:25

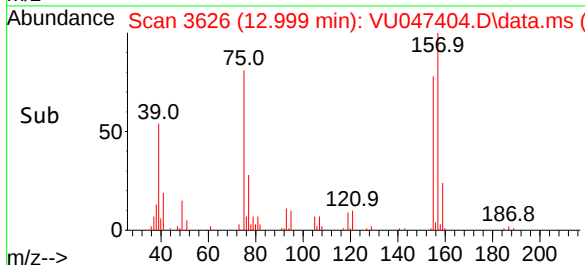
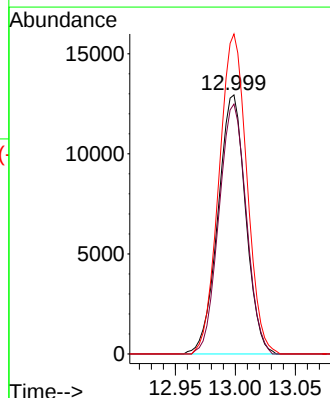
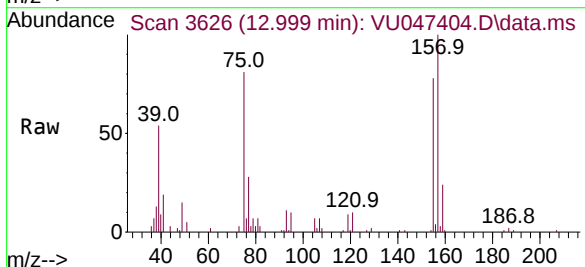
Tgt Ion: 75 Resp: 20778

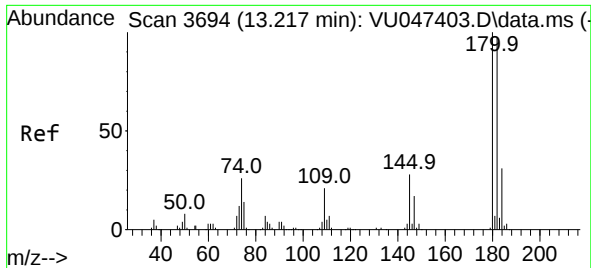
Ion Ratio Lower Upper

75 100

155 96.5 71.3 106.9

157 123.5 88.6 132.8

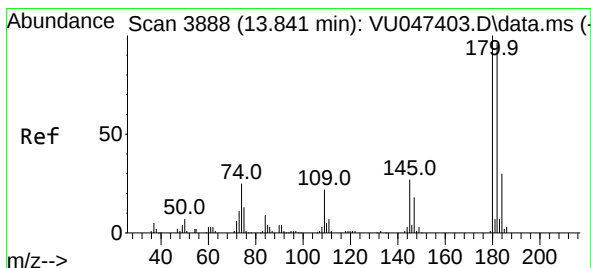
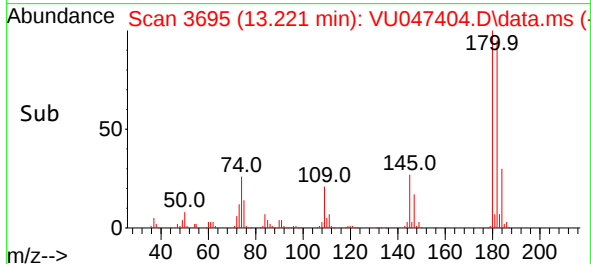
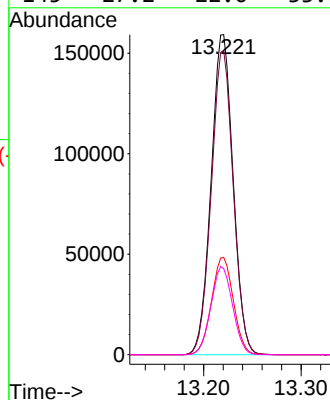
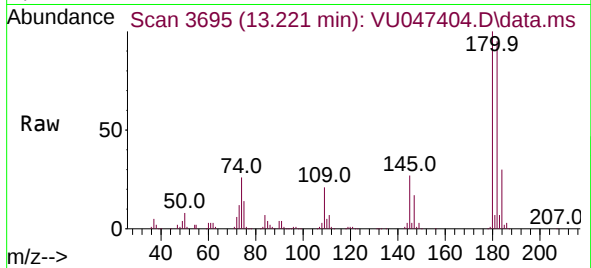




#69  
 1,3,5-Trichlorobenzene  
 Concen: 12.093 ug/L  
 RT: 13.221 min Scan# 3695  
 Delta R.T. 0.003 min  
 Lab File: VU047404.D  
 Acq: 09 Mar 2022 14:25

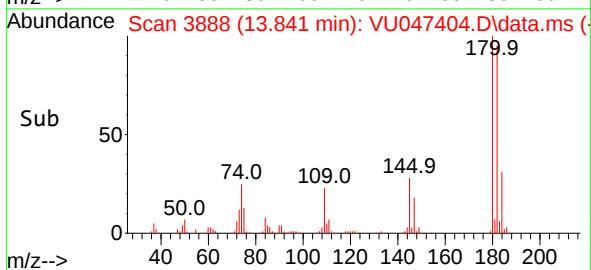
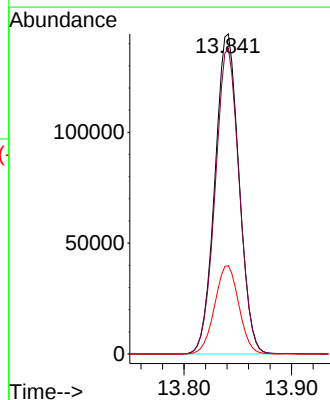
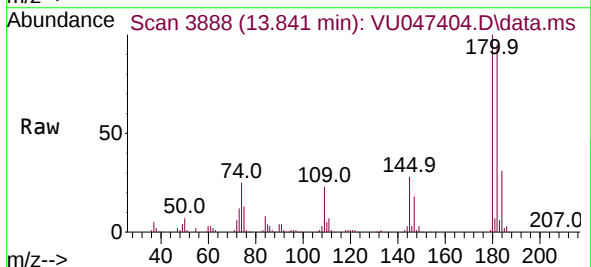
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010016

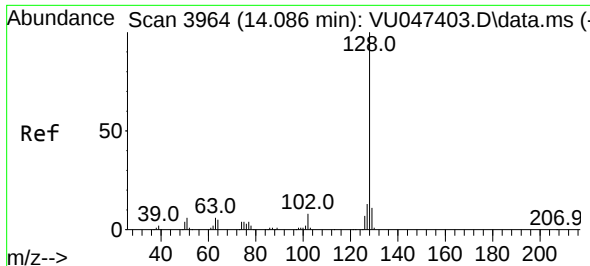
Tgt Ion:180 Resp: 249443  
 Ion Ratio Lower Upper  
 180 100  
 182 94.7 77.1 115.7  
 184 30.3 25.0 37.4  
 145 27.2 22.0 33.0



#70  
 1,2,4-trichlorobenzene  
 Concen: 13.031 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. -0.000 min  
 Lab File: VU047404.D  
 Acq: 09 Mar 2022 14:25

Tgt Ion:180 Resp: 224707  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 76.6 114.8  
 145 27.7 22.4 33.6

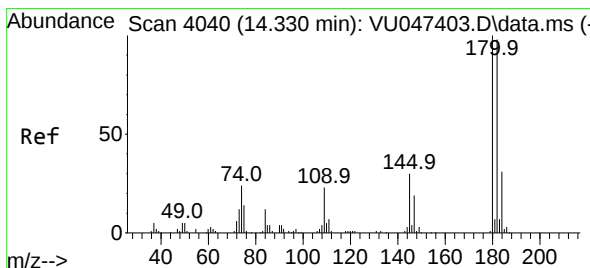
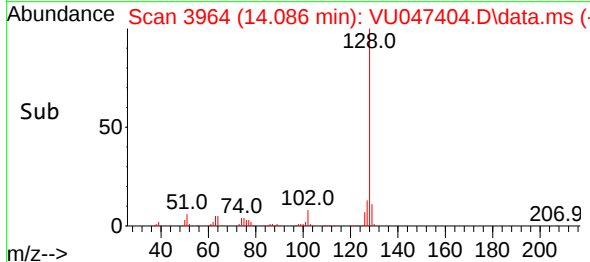
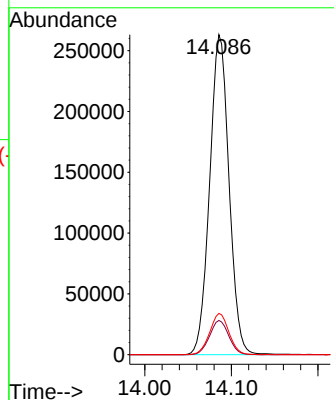
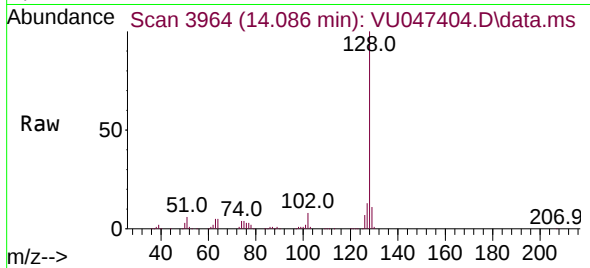




#71  
Naphthalene  
Concen: 13.584 ug/L  
RT: 14.086 min Scan# 3964  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010016

Tgt Ion:128 Resp: 408436  
Ion Ratio Lower Upper  
128 100  
129 10.6 8.6 13.0  
127 12.8 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 12.638 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU047404.D  
Acq: 09 Mar 2022 14:25

Tgt Ion:180 Resp: 204319  
Ion Ratio Lower Upper  
180 100  
182 95.4 77.0 115.6  
145 29.5 23.4 35.2

