

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072222\  
 Data File : VU049845.D  
 Acq On : 22 Jul 2022 11:25  
 Operator : SY/MD  
 Sample : VSTD010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010041

Quant Time: Jul 23 00:39:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR072222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Jul 23 00:37:28 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114  | 102269   | 5.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117  | 99444    | 5.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152  | 52199    | 5.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65   | 82100    | 9.345   | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.912  | 69   | 70870    | 11.501  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65   | 36100    | 10.009  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 4.636  | 46   | 331230   | 131.490 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.063  | 84   | 193587   | 13.068  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65   | 107699   | 13.173  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.726  | 84   | 353519   | 11.572  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67   | 124015   | 11.862  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.899  | 98   | 312699   | 11.422  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79   | 45180    | 10.156  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.636  | 63   | 197889   | 109.900 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84   | 103014   | 12.143  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152  | 109778   | 10.964  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385  | 85   | 107927   | 11.452  | ug/L  | 100      |
| 3) Chloromethane              | 1.520  | 50   | 134640   | 13.153  | ug/L  | 99       |
| 5) Vinyl chloride             | 1.600  | 62   | 114994   | 12.571  | ug/L  | 99       |
| 6) Bromomethane               | 1.854  | 94   | 63601    | 12.791  | ug/L  | 94       |
| 8) Chloroethane               | 1.932  | 64   | 64251    | 12.188  | ug/L  | 97       |
| 9) Trichlorofluoromethane     | 2.134  | 101  | 137845   | 12.554  | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101  | 67644    | 10.812  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.575  | 96   | 70137    | 11.683  | ug/L  | 95       |
| 13) Acetone                   | 2.652  | 43   | 194266   | 148.438 | ug/L  | 98       |
| 14) Carbon disulfide          | 2.787  | 76   | 215073   | 11.026  | ug/L  | 99       |
| 15) Methyl Acetate            | 2.957  | 43   | 48347    | 14.563  | ug/L  | 98       |
| 16) Methylene chloride        | 3.044  | 84   | 114743   | 13.449  | ug/L  | 94       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73   | 240081   | 13.293  | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.350  | 96   | 82661    | 12.381  | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.867  | 63   | 177551   | 13.251  | ug/L  | 98       |
| 21) 2-Butanone                | 4.716  | 43   | 338838   | 139.279 | ug/L  | 97       |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96   | 99584    | 13.237  | ug/L  | 99       |
| 23) Bromochloromethane        | 4.973  | 128  | 44791    | 13.855  | ug/L  | 97       |
| 25) Chloroform                | 5.089  | 83   | 188718   | 13.851  | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 129389   | 14.306  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 5.317  | 97   | 148365   | 11.963  | ug/L  | 99       |
| 30) Cyclohexane               | 5.388  | 56   | 120657   | 9.013   | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 119708   | 11.506  | ug/L  | 98       |
| 33) Benzene                   | 5.774  | 78   | 386842   | 12.566  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 93785    | 12.016  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 115843   | 9.213   | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 110895   | 13.030  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 135013   | 12.965  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 148889   | 11.875  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 805521   | 127.877 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 394730   | 12.131  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 130575   | 12.018  | ug/L  | 98       |

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 Sample : VSTD010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

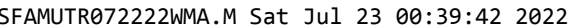
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010041

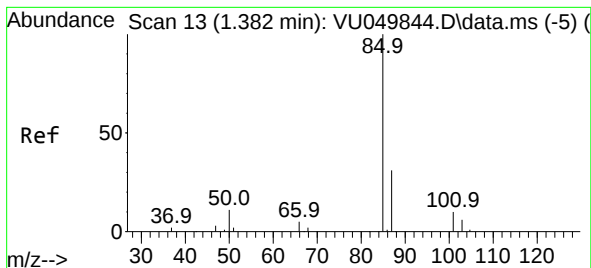
Quant Time: Jul 23 00:39:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR072222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Jul 23 00:37:28 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 77202    | 12.875  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.552  | 164  | 64086    | 11.777  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.684  | 43   | 607857   | 133.081 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 88027    | 12.952  | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 70689    | 12.922  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.446  | 112  | 240796   | 12.183  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 416008   | 11.900  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 154225   | 11.948  | ug/L  | 98       |
| 54) o-Xylene                  | 10.099 | 106  | 154930   | 12.087  | ug/L  | 97       |
| 55) Styrene                   | 10.115 | 104  | 272412   | 12.674  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 101374   | 12.857  | ug/L  | 95       |
| 59) Bromoform                 | 10.291 | 173  | 48932    | 12.247  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.484 | 105  | 393111   | 11.096  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 75370    | 12.339  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 339226   | 10.966  | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 338959   | 11.167  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 184675   | 11.828  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 179929   | 11.758  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 178956   | 12.107  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 17316    | 10.890  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 134619   | 11.745  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 118356   | 12.884  | ug/L  | 97       |
| 71) Naphthalene               | 14.086 | 128  | 234450   | 12.959  | ug/L  | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 115696   | 13.272  | ug/L  | 97       |
| -----                         |        |      |          |         |       |          |

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

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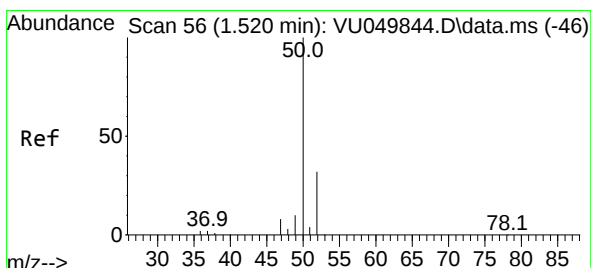
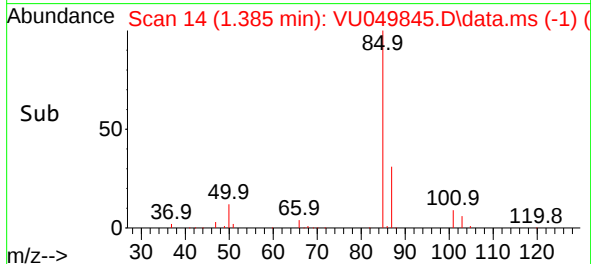
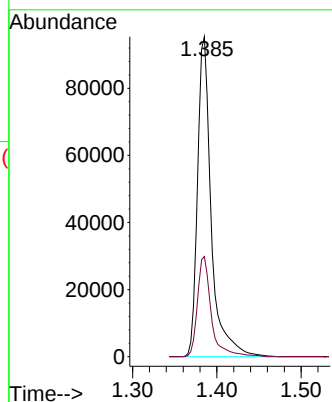
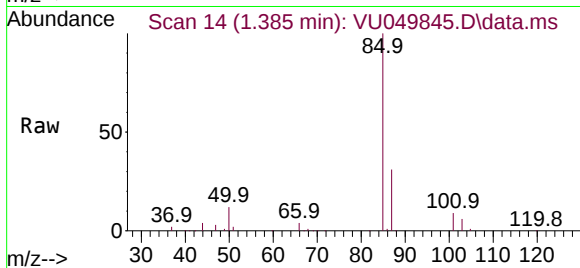




#2  
Dichlorodifluoromethane  
Concen: 11.452 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.003 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

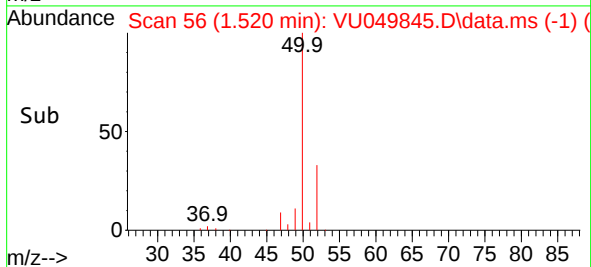
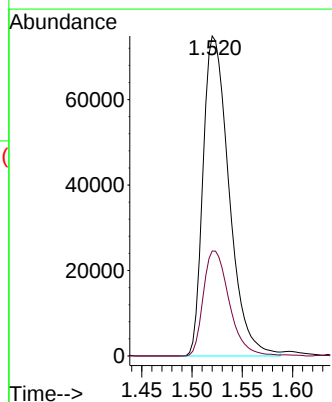
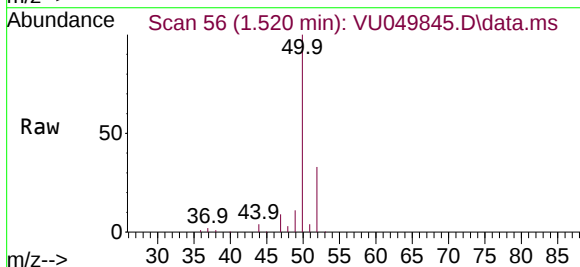
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MSVOA\_U  
ClientSampleId :  
VSTD010041

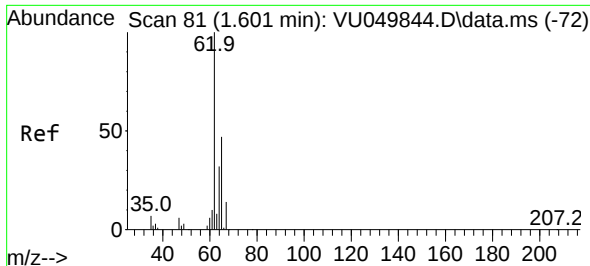
Tgt Ion: 85 Resp: 107927  
Ion Ratio Lower Upper  
85 100  
87 31.7 25.4 38.2



#3  
Chloromethane  
Concen: 13.153 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

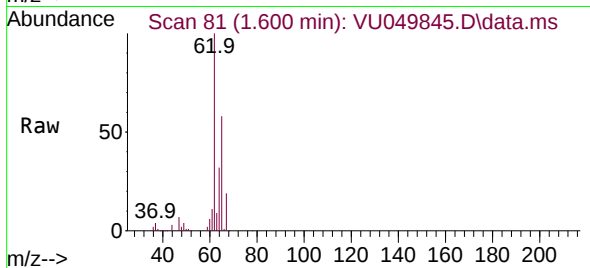
Tgt Ion: 50 Resp: 134640  
Ion Ratio Lower Upper  
50 100  
52 32.8 22.5 41.7



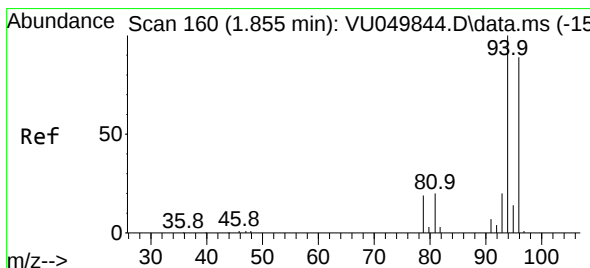
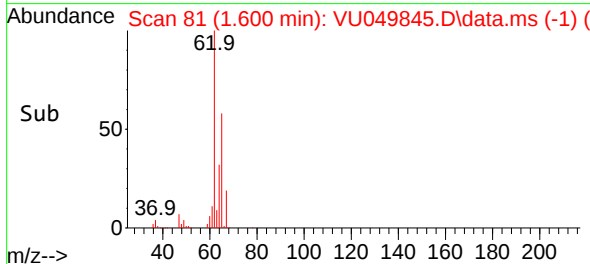
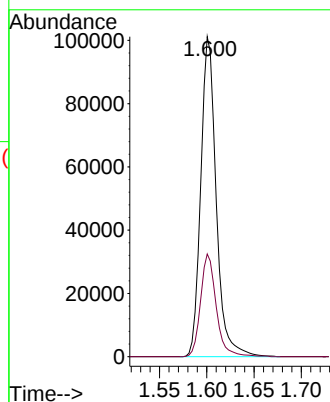


#5  
 Vinyl chloride  
 Concen: 12.571 ug/L  
 RT: 1.600 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU049845.D  
 Acq: 22 Jul 2022 11:25

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010041

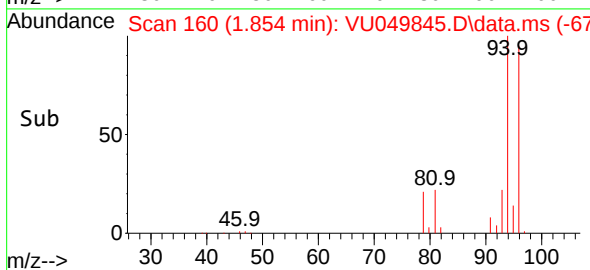
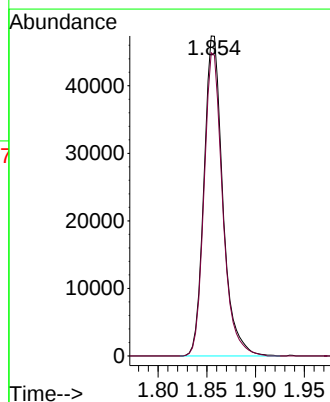
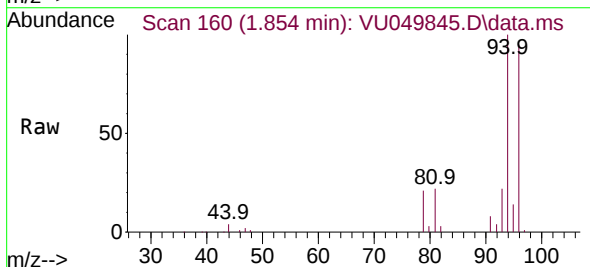


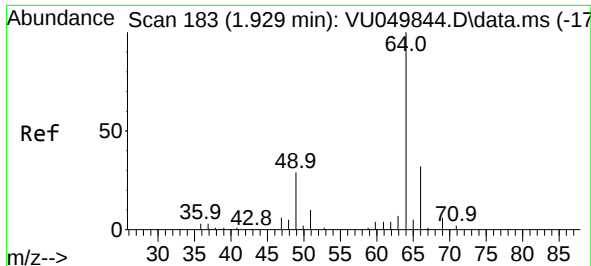
Tgt Ion: 62 Resp: 114994  
 Ion Ratio Lower Upper  
 62 100  
 64 32.1 22.7 42.3



#6  
 Bromomethane  
 Concen: 12.791 ug/L  
 RT: 1.854 min Scan# 160  
 Delta R.T. -0.000 min  
 Lab File: VU049845.D  
 Acq: 22 Jul 2022 11:25

Tgt Ion: 94 Resp: 63601  
 Ion Ratio Lower Upper  
 94 100  
 96 94.7 62.6 116.3

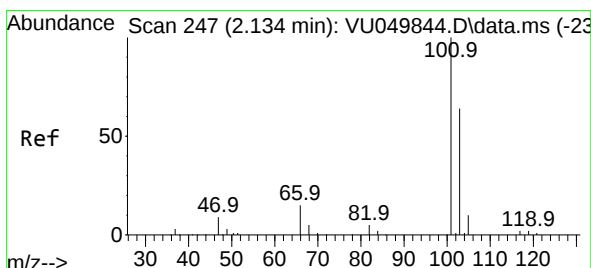
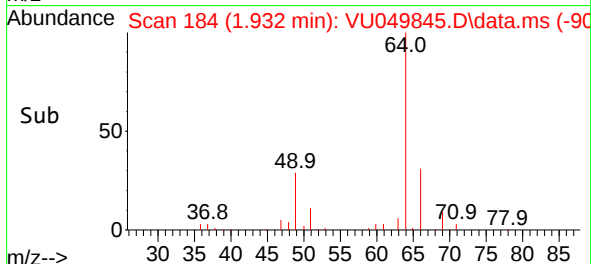
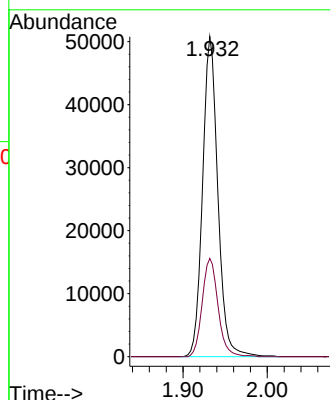
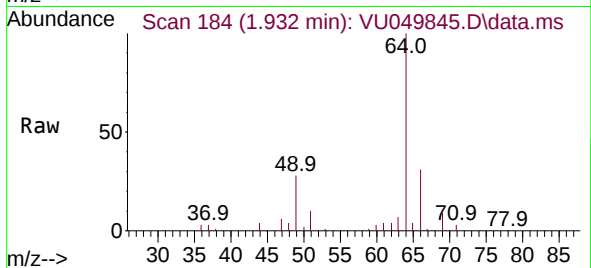




#8  
Chloroethane  
Concen: 12.188 ug/L  
RT: 1.932 min Scan# 184  
Delta R.T. 0.003 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

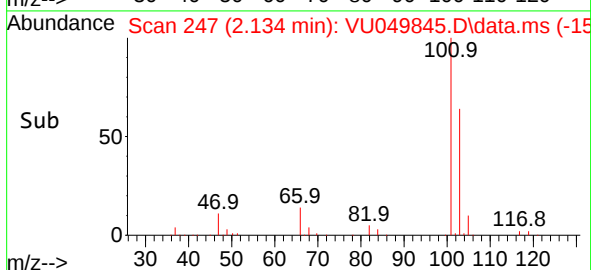
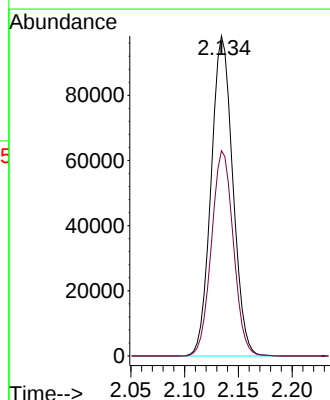
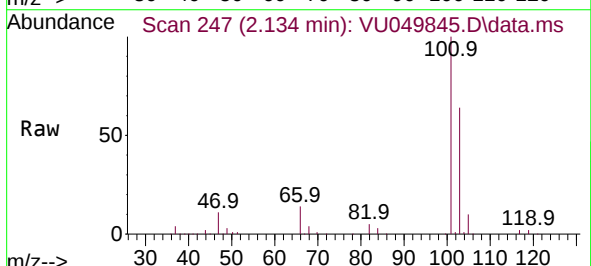
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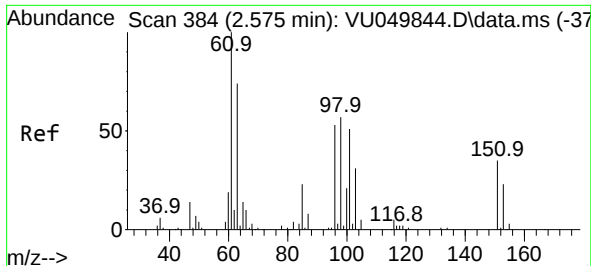
Tgt Ion: 64 Resp: 64251  
Ion Ratio Lower Upper  
64 100  
66 30.7 22.7 42.3



#9  
Trichlorofluoromethane  
Concen: 12.554 ug/L  
RT: 2.134 min Scan# 247  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion:101 Resp: 137845  
Ion Ratio Lower Upper  
101 100  
103 64.7 50.8 76.2

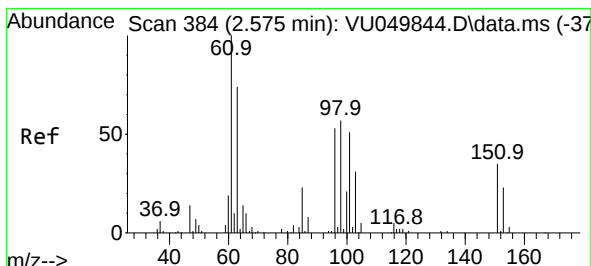
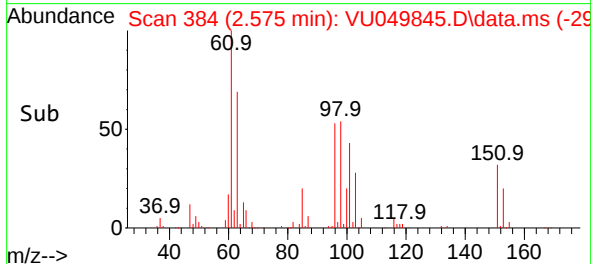
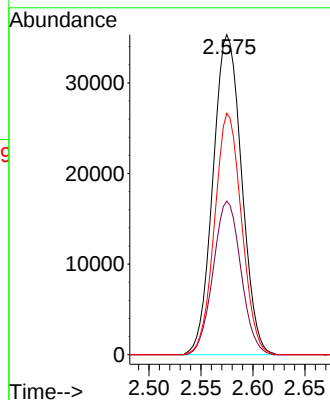
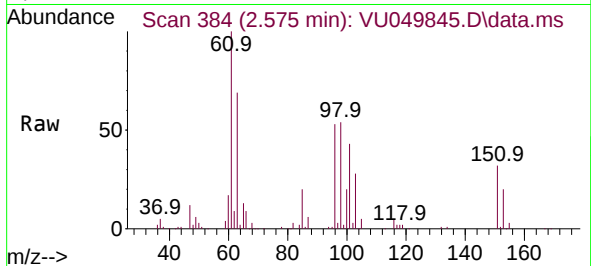




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 10.812 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

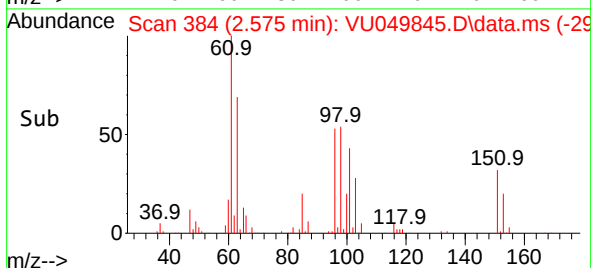
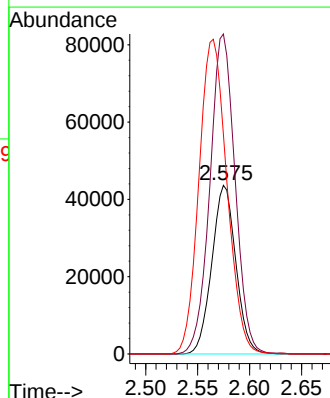
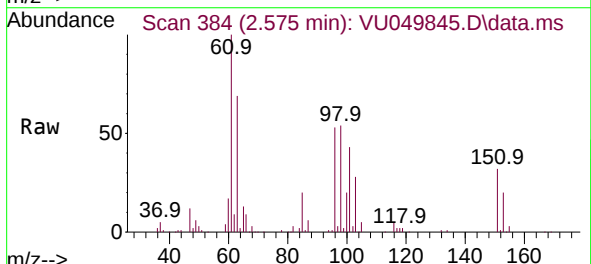
Instrument :  
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ClientSampleId :  
VSTD010041

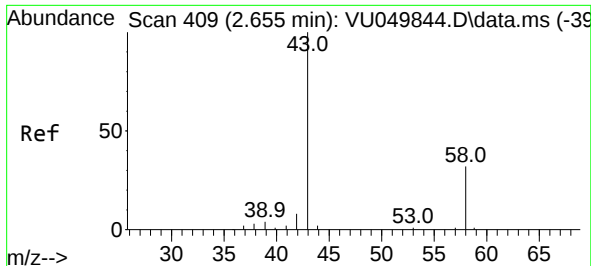
Tgt Ion:101 Resp: 67644  
Ion Ratio Lower Upper  
101 100  
85 46.6 37.2 55.8  
151 71.5 56.0 84.0



#12  
1,1-Dichloroethene  
Concen: 11.683 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion: 96 Resp: 70137  
Ion Ratio Lower Upper  
96 100  
61 189.7 131.6 244.4  
63 130.2 100.0 185.6





#13

Acetone

Concen: 148.438 ug/L

RT: 2.652 min Scan# 409

Delta R.T. -0.003 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

Instrument :

MSVOA\_U

ClientSampleId :

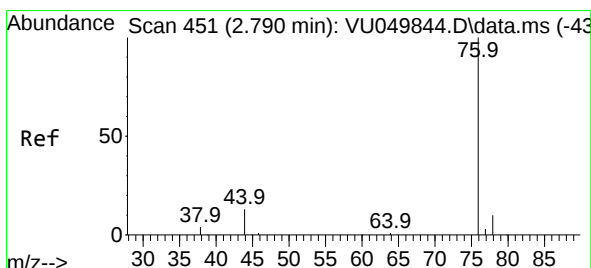
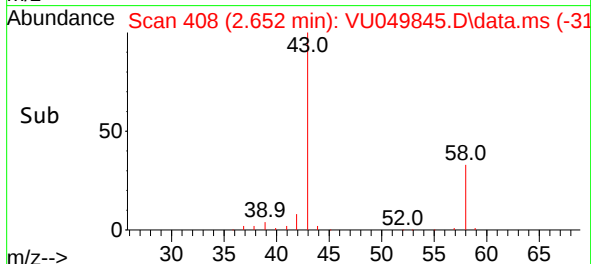
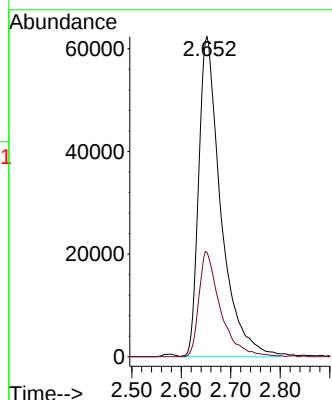
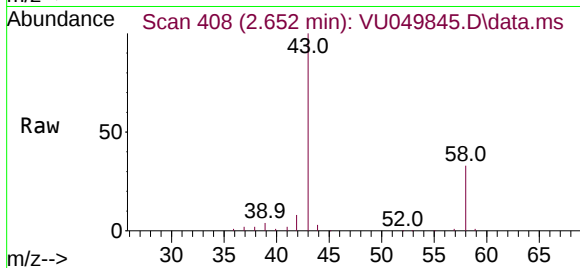
VSTD010041

Tgt Ion: 43 Resp: 194266

Ion Ratio Lower Upper

43 100

58 31.8 0.0 61.0



#14

Carbon disulfide

Concen: 11.026 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU049845.D

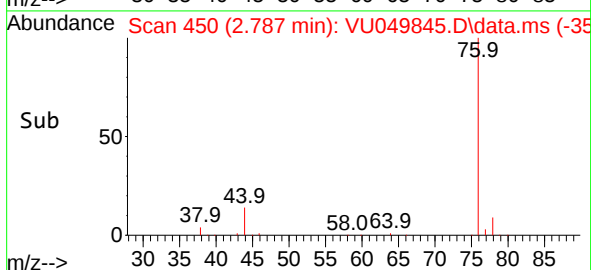
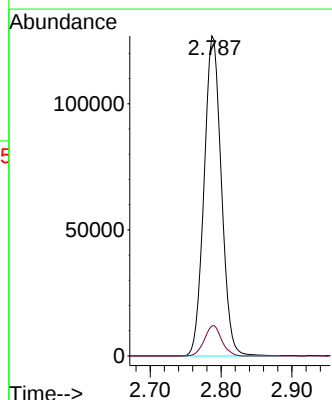
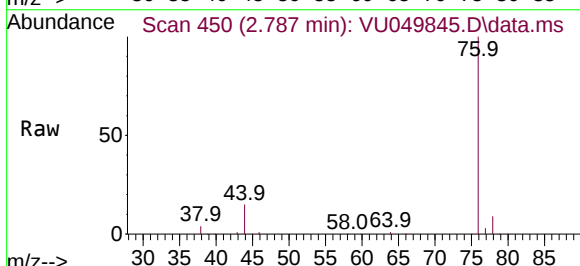
Acq: 22 Jul 2022 11:25

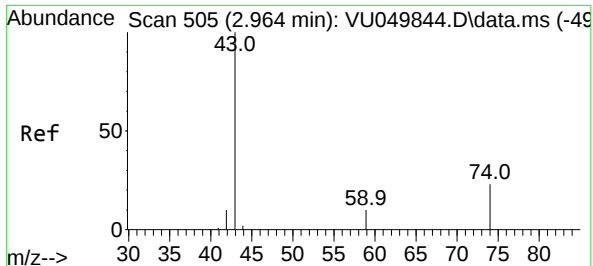
Tgt Ion: 76 Resp: 215073

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.6

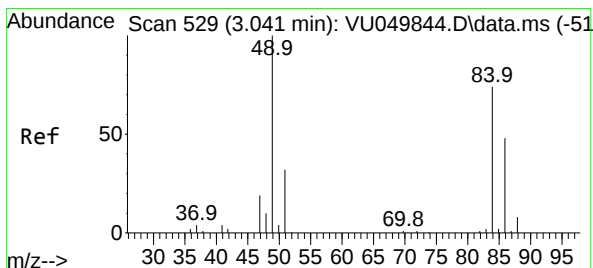
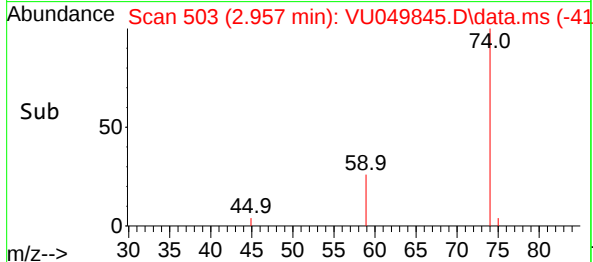
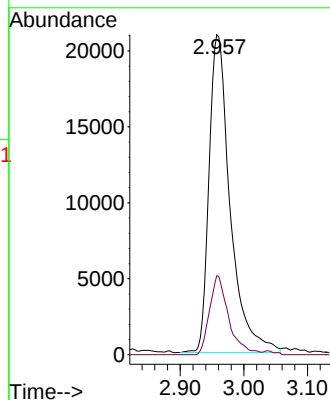
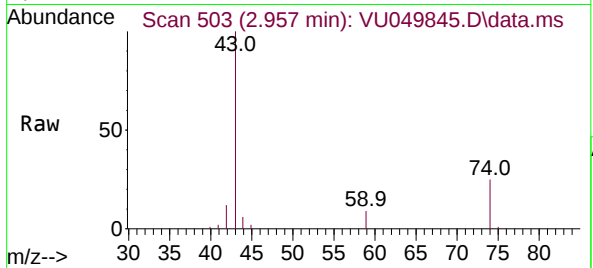




#15  
Methyl Acetate  
Concen: 14.563 ug/L  
RT: 2.957 min Scan# 503  
Delta R.T. -0.007 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

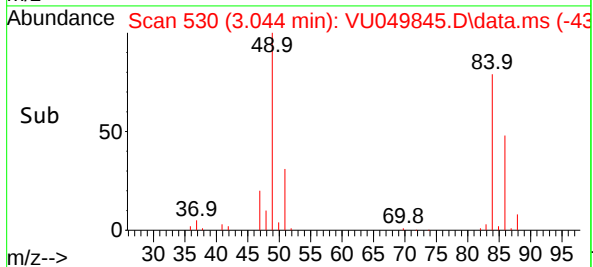
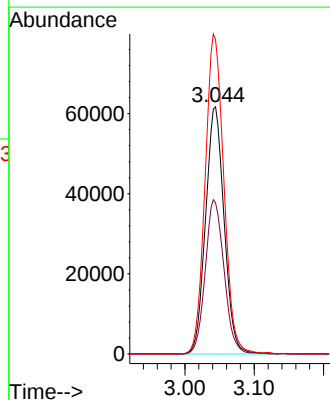
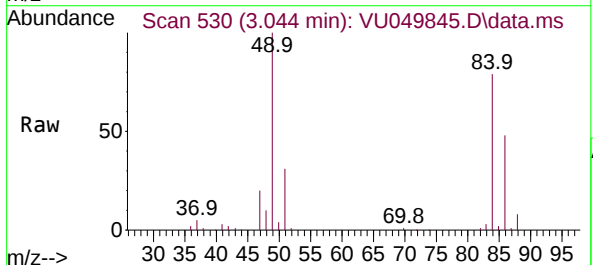
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MSVOA\_U  
ClientSampleId :  
VSTD010041

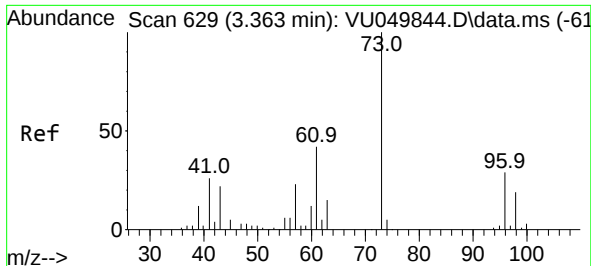
Tgt Ion: 43 Resp: 48347  
Ion Ratio Lower Upper  
43 100  
74 22.5 17.1 25.7



#16  
Methylene chloride  
Concen: 13.449 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. 0.003 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion: 84 Resp: 114743  
Ion Ratio Lower Upper  
84 100  
86 61.1 45.5 84.5  
49 127.1 94.1 174.8

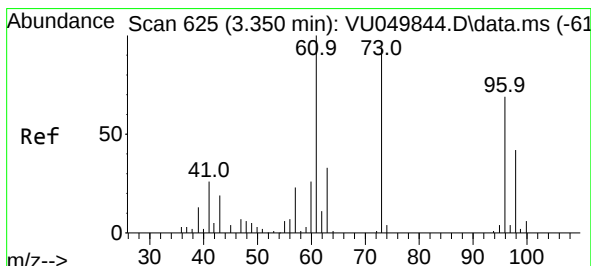
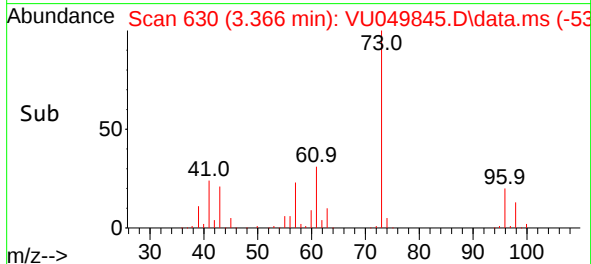
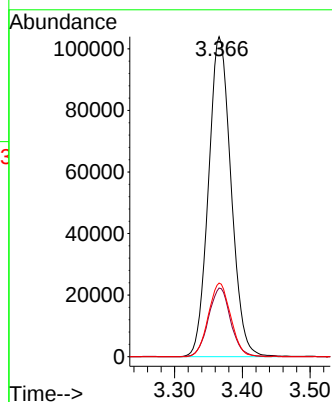
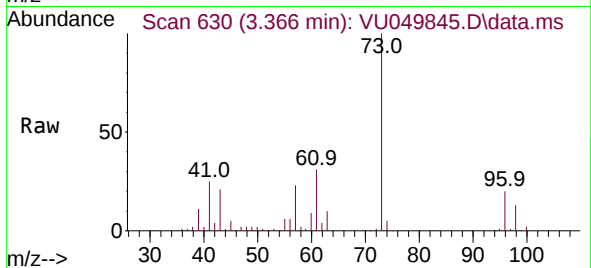




#17  
Methyl tert-butyl Ether  
Concen: 13.293 ug/L  
RT: 3.366 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

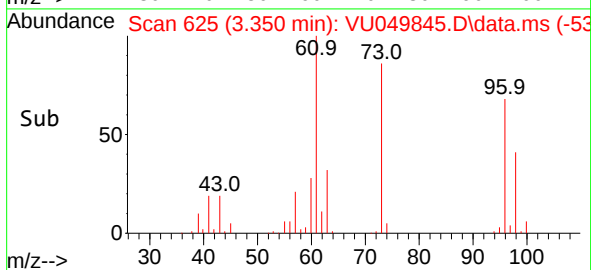
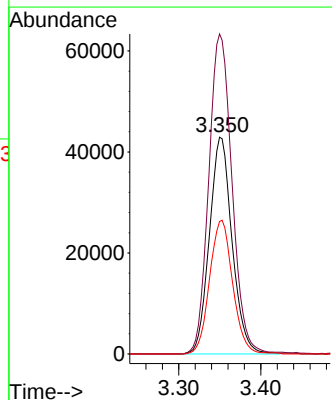
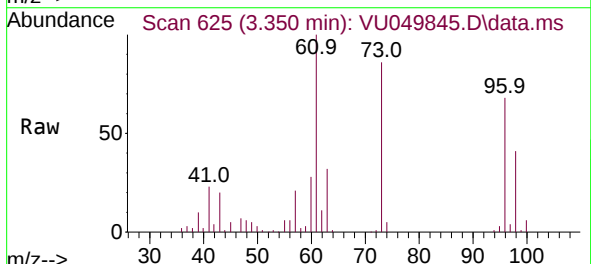
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MSVOA\_U  
ClientSampleId :  
VSTD010041

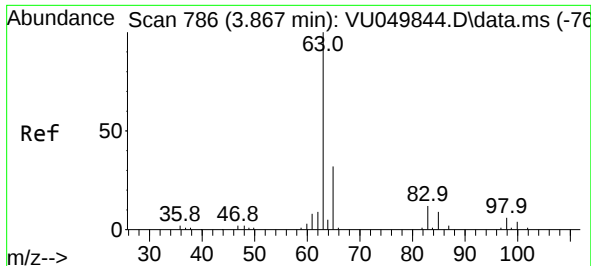
Tgt Ion: 73 Resp: 240081  
Ion Ratio Lower Upper  
73 100  
43 21.2 17.4 26.2  
57 22.7 18.7 28.1



#18  
trans-1,2-Dichloroethene  
Concen: 12.381 ug/L  
RT: 3.350 min Scan# 625  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion: 96 Resp: 82661  
Ion Ratio Lower Upper  
96 100  
61 147.6 101.5 188.5  
98 61.1 42.5 78.9

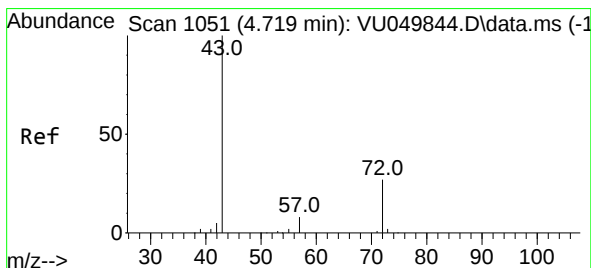
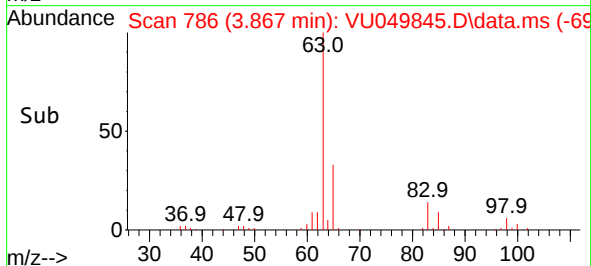
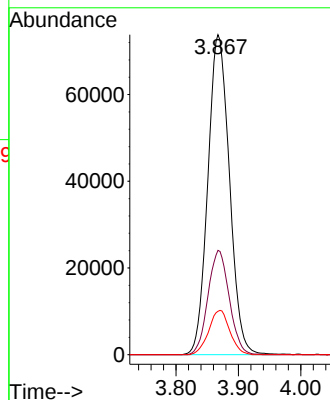
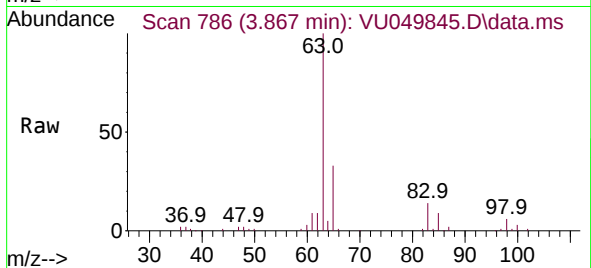




#19  
1,1-Dichloroethane  
Concen: 13.251 ug/L  
RT: 3.867 min Scan# 786  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

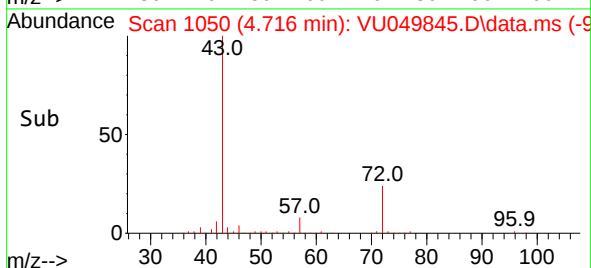
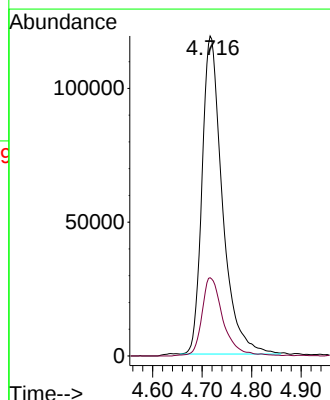
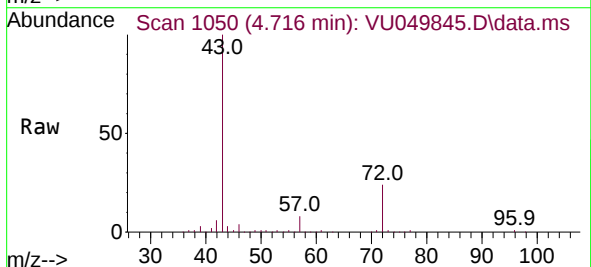
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010041

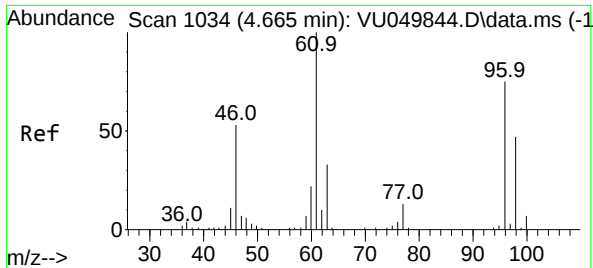
Tgt Ion: 63 Resp: 177551  
Ion Ratio Lower Upper  
63 100  
65 32.6 22.5 41.9  
83 13.5 8.3 15.5



#21  
2-Butanone  
Concen: 139.279 ug/L  
RT: 4.716 min Scan# 1050  
Delta R.T. -0.003 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion: 43 Resp: 338838  
Ion Ratio Lower Upper  
43 100  
72 25.4 11.9 35.5

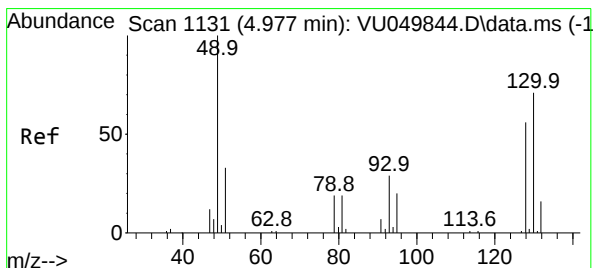
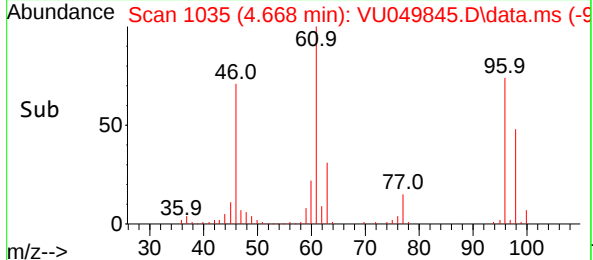
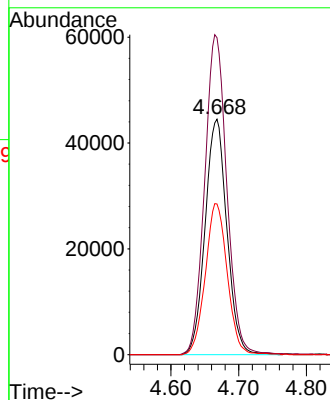
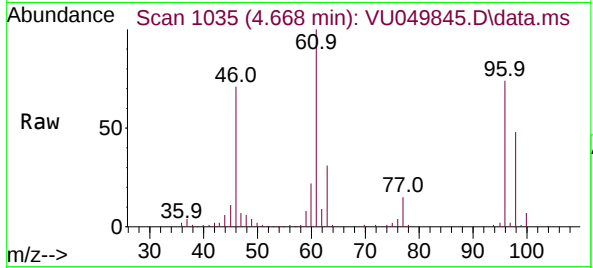




#22  
 cis-1,2-Dichloroethene  
 Concen: 13.237 ug/L  
 RT: 4.668 min Scan# 110  
 Delta R.T. 0.003 min  
 Lab File: VU049845.D  
 Acq: 22 Jul 2022 11:25

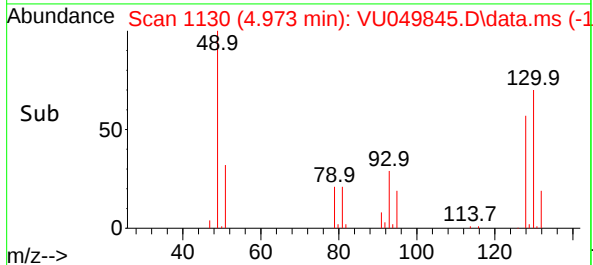
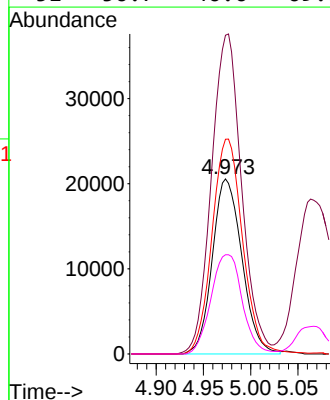
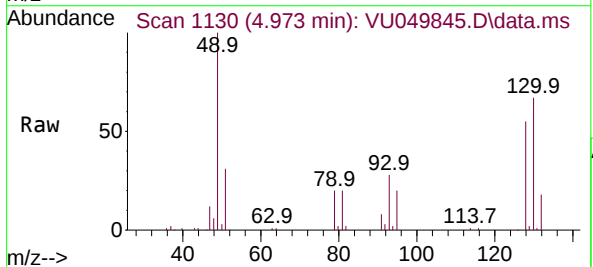
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010041

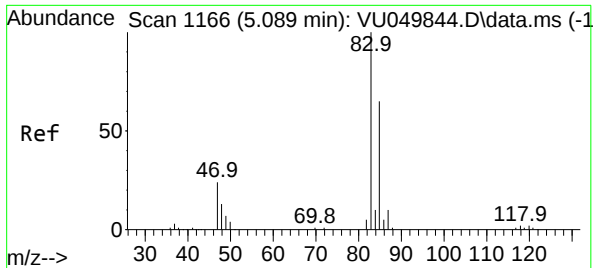
Tgt Ion: 96 Resp: 99584  
 Ion Ratio Lower Upper  
 96 100  
 61 134.6 93.9 174.3  
 98 64.0 43.9 81.5



#23  
 Bromochloromethane  
 Concen: 13.855 ug/L  
 RT: 4.973 min Scan# 1130  
 Delta R.T. -0.003 min  
 Lab File: VU049845.D  
 Acq: 22 Jul 2022 11:25

Tgt Ion: 128 Resp: 44791  
 Ion Ratio Lower Upper  
 128 100  
 49 182.1 124.9 232.1  
 130 122.6 88.5 164.3  
 51 56.7 46.6 69.8

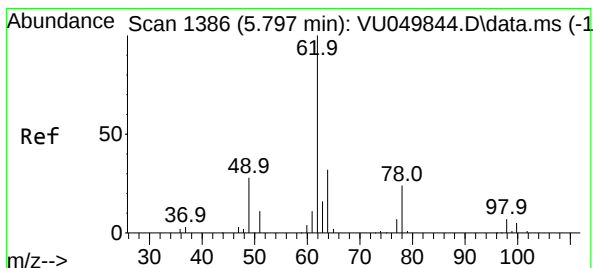
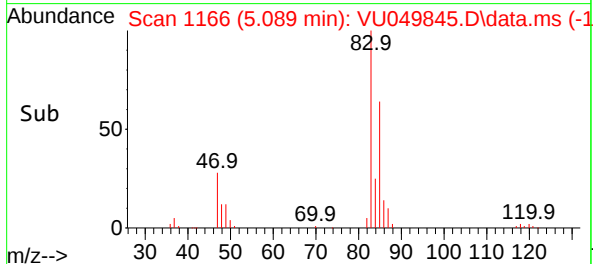
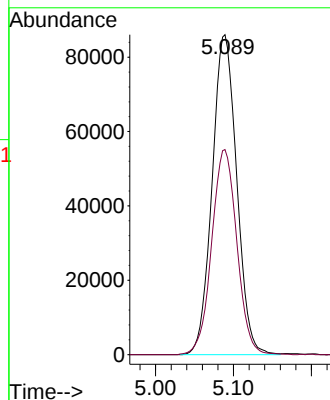
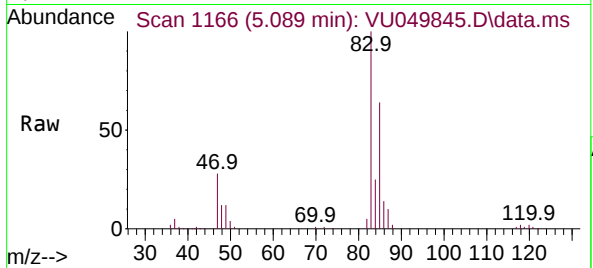




#25  
Chloroform  
Concen: 13.851 ug/L  
RT: 5.089 min Scan# 1166  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

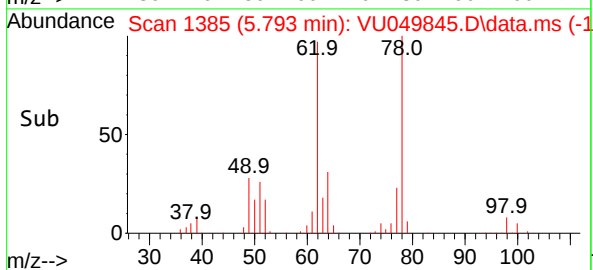
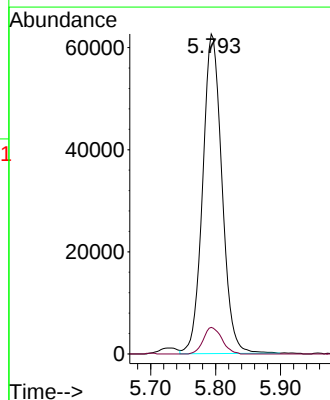
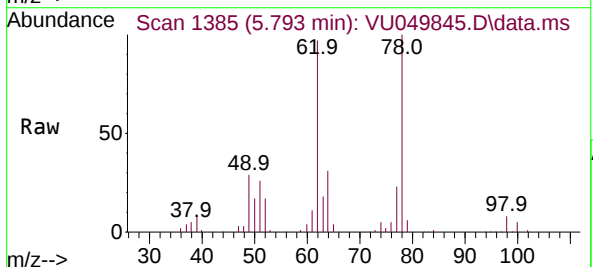
Instrument :  
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ClientSampleId :  
VSTD010041

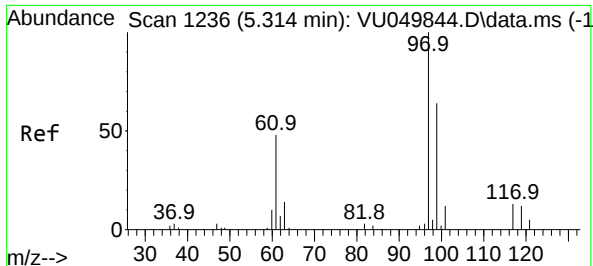
Tgt Ion: 83 Resp: 188718  
Ion Ratio Lower Upper  
83 100  
85 64.1 45.5 84.5



#27  
1,2-Dichloroethane  
Concen: 14.306 ug/L  
RT: 5.793 min Scan# 1385  
Delta R.T. -0.003 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion: 62 Resp: 129389  
Ion Ratio Lower Upper  
62 100  
98 8.3 5.9 8.9

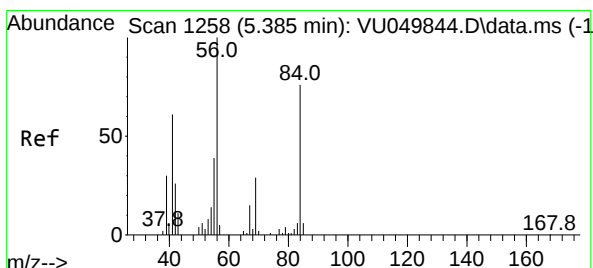
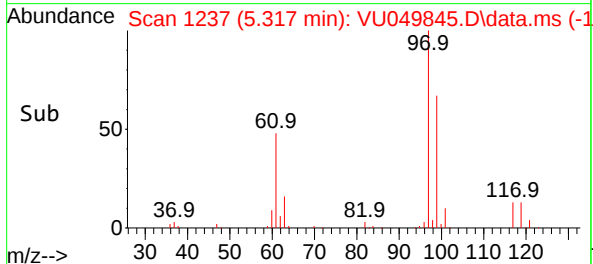
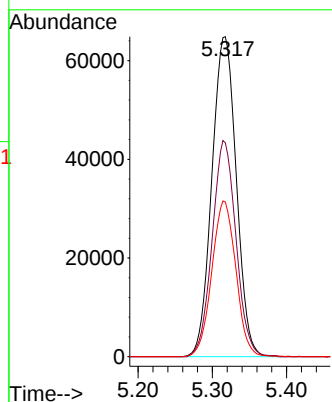
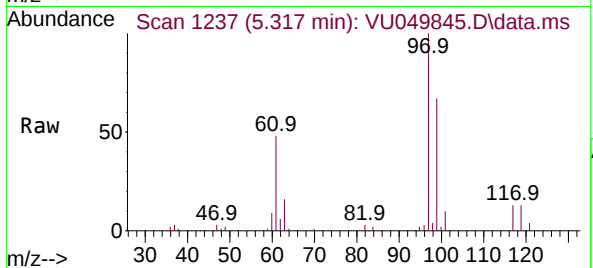




#29  
1,1,1-Trichloroethane  
Concen: 11.963 ug/L  
RT: 5.317 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

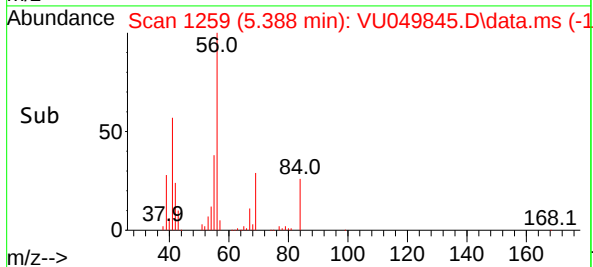
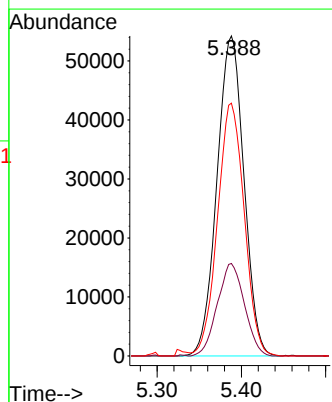
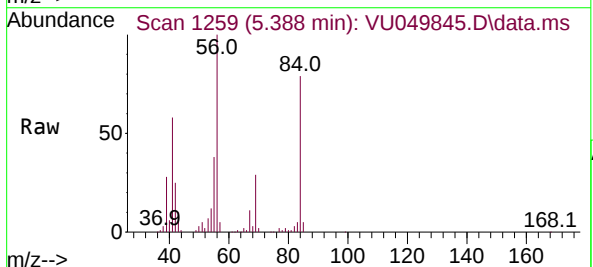
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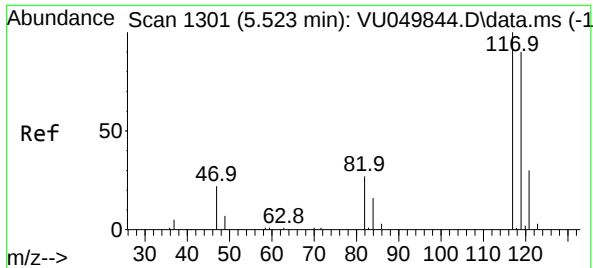
Tgt Ion: 97 Resp: 148365  
Ion Ratio Lower Upper  
97 100  
99 65.9 51.8 77.8  
61 47.8 38.3 57.5



#30  
Cyclohexane  
Concen: 9.013 ug/L  
RT: 5.388 min Scan# 1259  
Delta R.T. 0.003 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion: 56 Resp: 120657  
Ion Ratio Lower Upper  
56 100  
69 29.0 22.8 34.2  
84 78.2 63.0 94.6

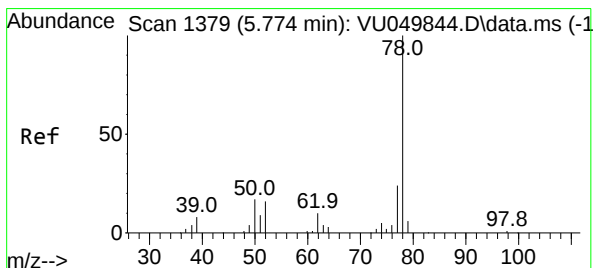
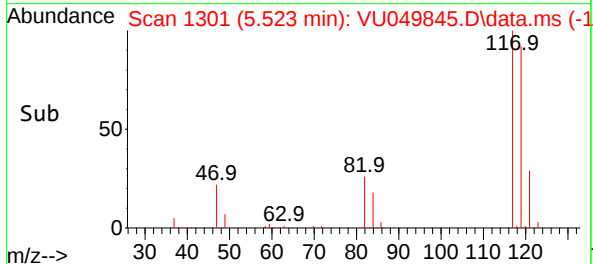
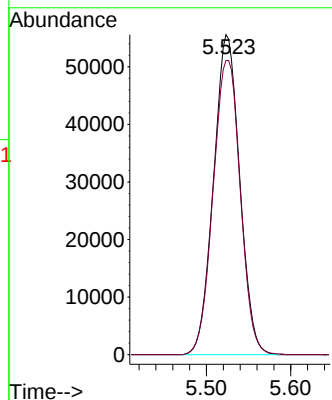
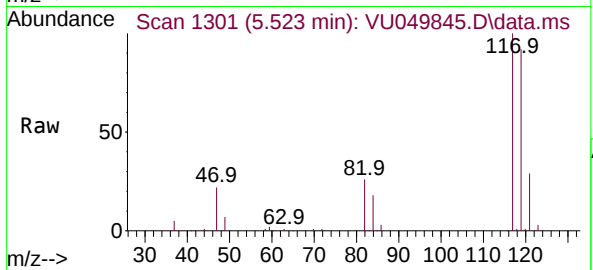




#31  
Carbon tetrachloride  
Concen: 11.506 ug/L  
RT: 5.523 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

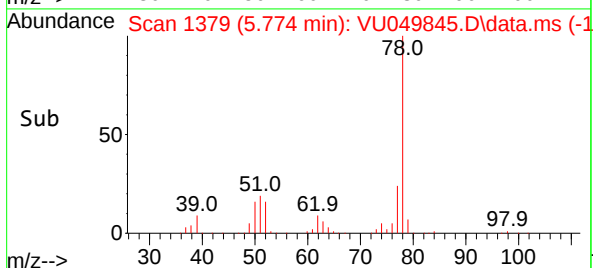
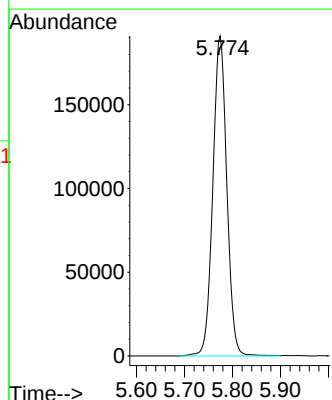
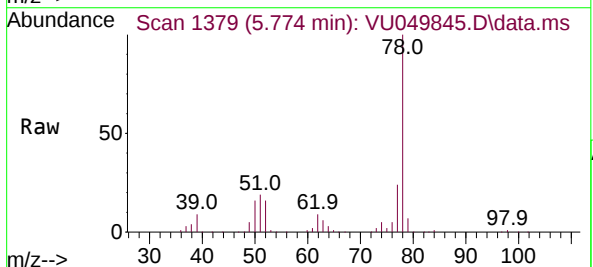
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ClientSampleId :  
VSTD010041

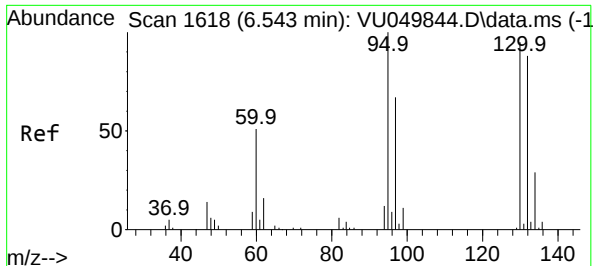
Tgt Ion:117 Resp: 119708  
Ion Ratio Lower Upper  
117 100  
119 95.5 75.2 112.8



#33  
Benzene  
Concen: 12.566 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion: 78 Resp: 386842





#34

Trichloroethene

Concen: 12.016 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010041

Tgt Ion: 95 Resp: 93785

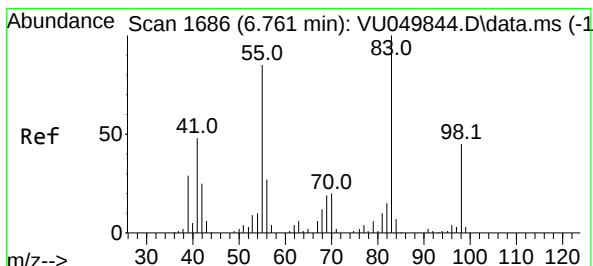
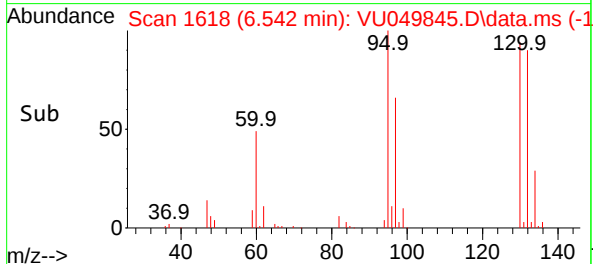
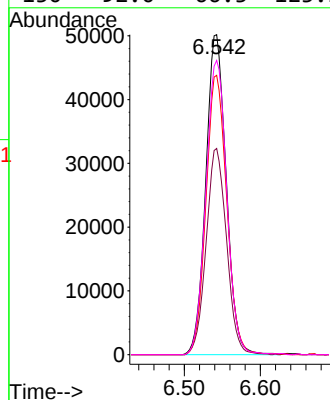
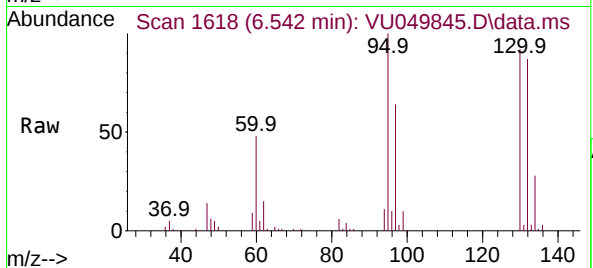
Ion Ratio Lower Upper

95 100

97 64.5 46.8 86.8

132 87.3 61.8 114.8

130 92.0 66.3 123.1



#35

Methylcyclohexane

Concen: 9.213 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.003 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

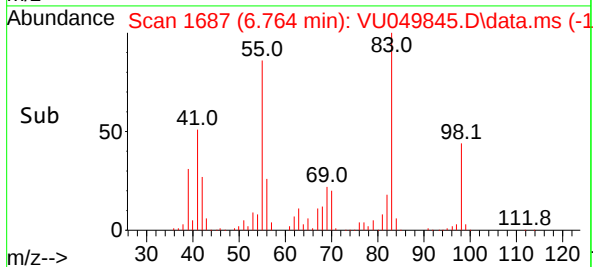
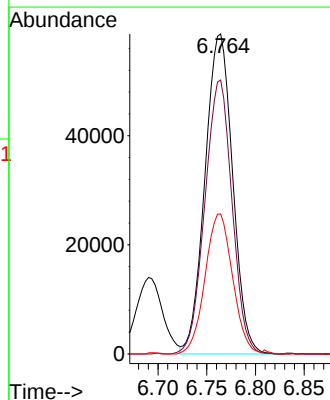
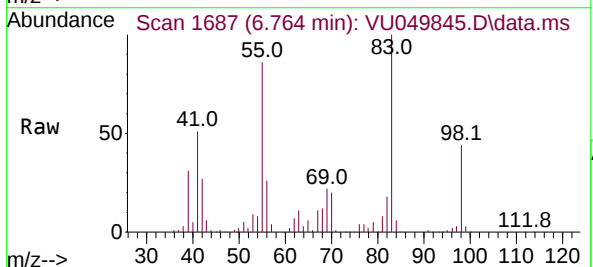
Tgt Ion: 83 Resp: 115843

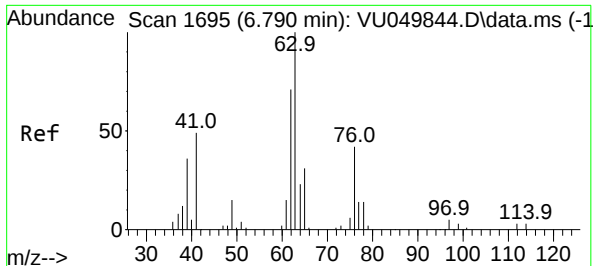
Ion Ratio Lower Upper

83 100

55 84.0 69.0 103.4

98 43.5 36.4 54.6





#37

1,2-Dichloropropane

Concen: 13.030 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

Instrument :

MSVOA\_U

ClientSampleId :

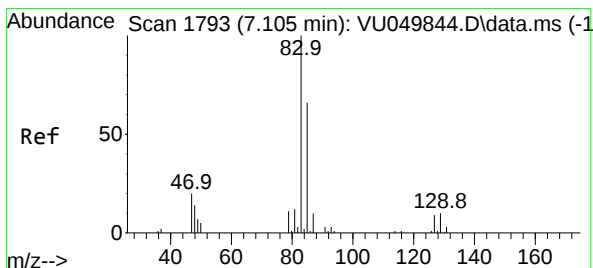
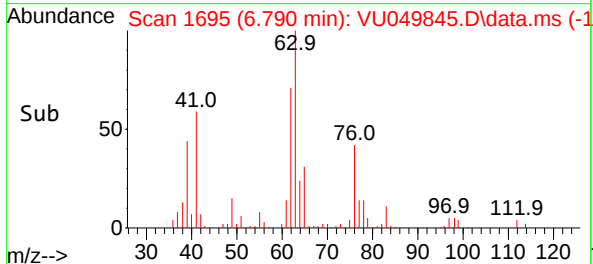
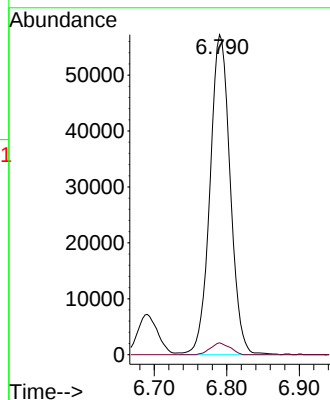
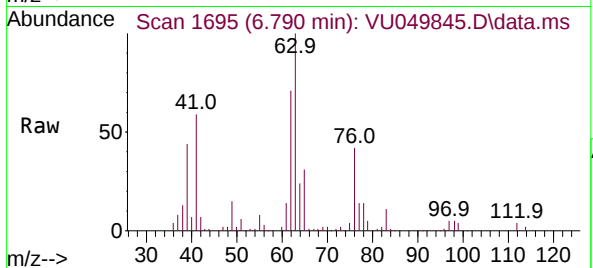
VSTD010041

Tgt Ion: 63 Resp: 110895

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 12.965 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

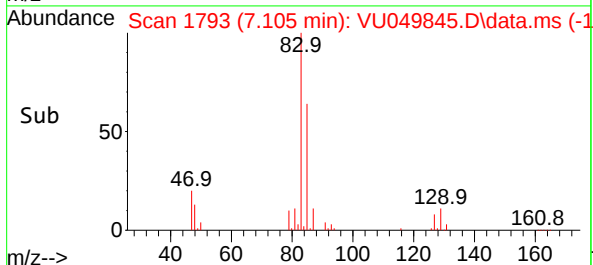
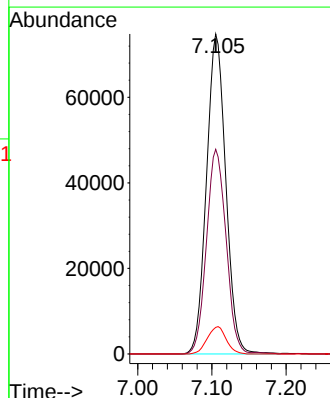
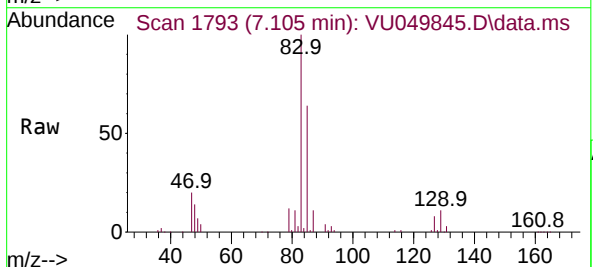
Tgt Ion: 83 Resp: 135013

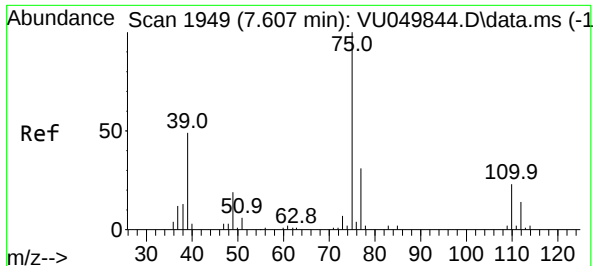
Ion Ratio Lower Upper

83 100

85 63.9 45.9 85.3

127 8.3 7.0 10.6

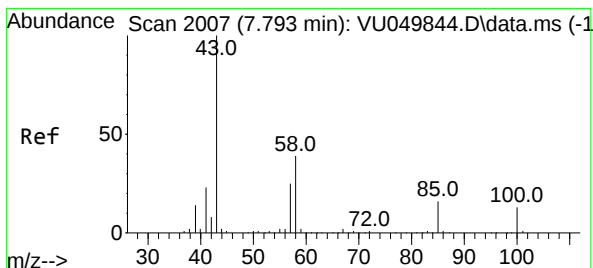
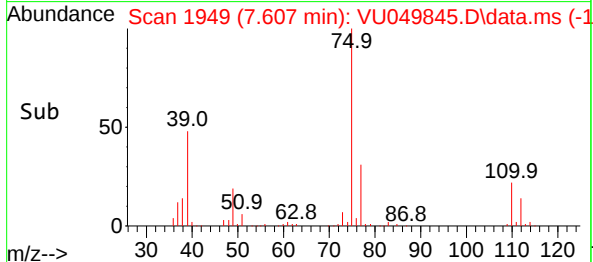
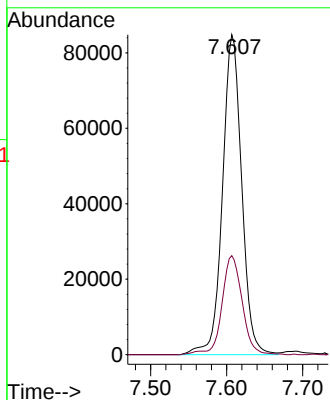
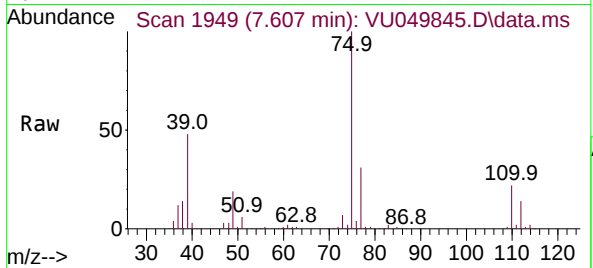




#39  
 cis-1,3-Dichloropropene  
 Concen: 11.875 ug/L  
 RT: 7.607 min Scan# 1949  
 Delta R.T. -0.000 min  
 Lab File: VU049845.D  
 Acq: 22 Jul 2022 11:25

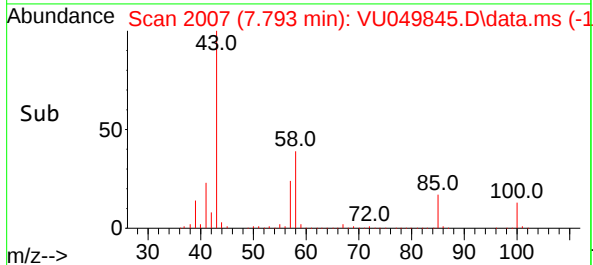
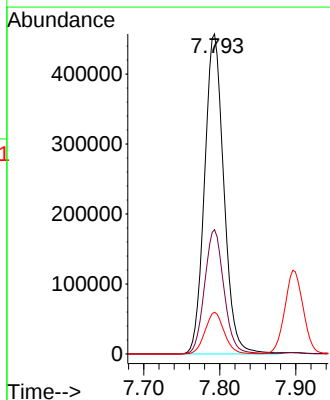
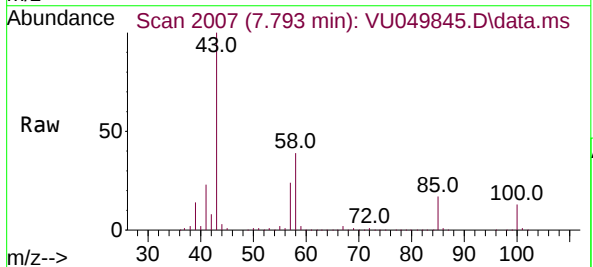
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010041

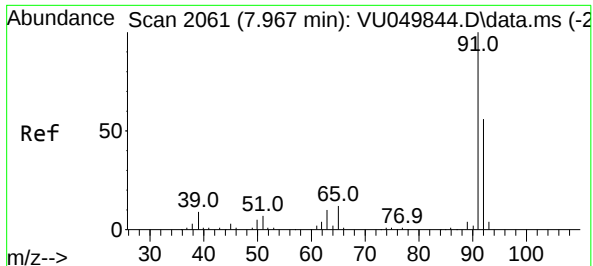
Tgt Ion: 75 Resp: 148889  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 21.6 40.0



#40  
 4-Methyl-2-pentanone  
 Concen: 127.877 ug/L  
 RT: 7.793 min Scan# 2007  
 Delta R.T. -0.000 min  
 Lab File: VU049845.D  
 Acq: 22 Jul 2022 11:25

Tgt Ion: 43 Resp: 805521  
 Ion Ratio Lower Upper  
 43 100  
 58 39.2 31.0 46.4  
 100 13.0 10.4 15.6

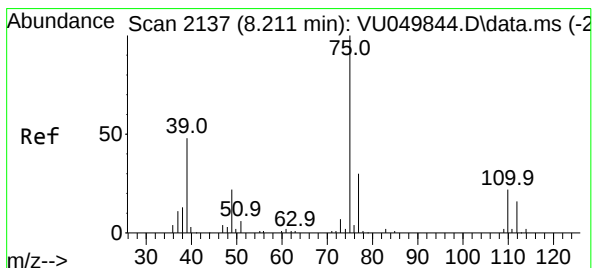
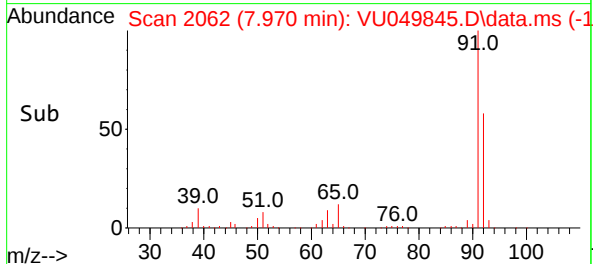
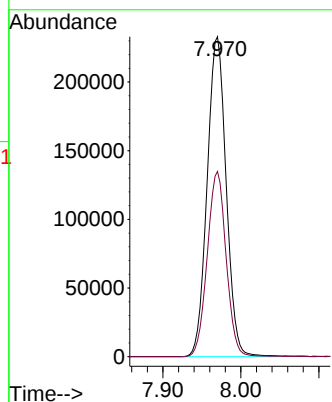
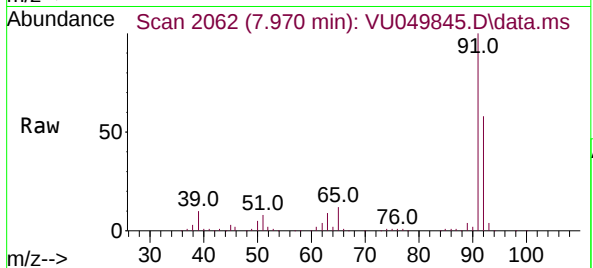




#42  
Toluene  
Concen: 12.131 ug/L  
RT: 7.970 min Scan# 2061  
Delta R.T. 0.003 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

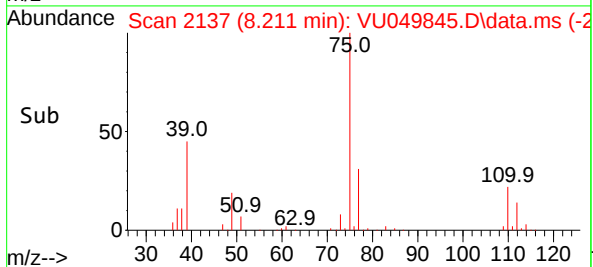
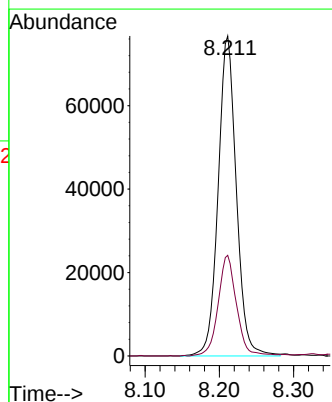
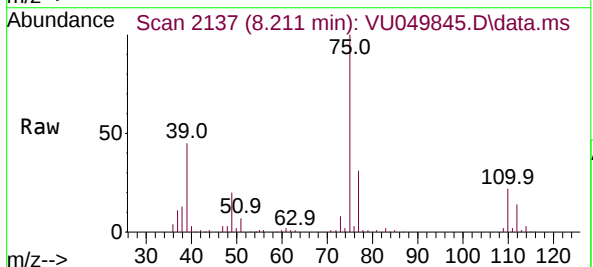
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010041

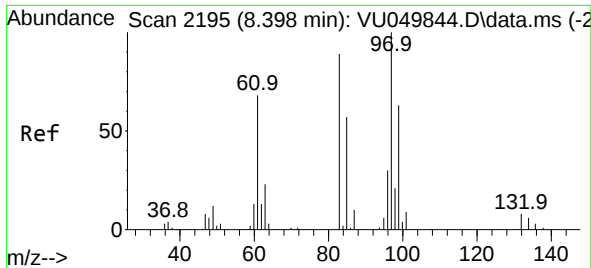
Tgt Ion: 91 Resp: 394730  
Ion Ratio Lower Upper  
91 100  
92 57.9 39.5 73.4



#44  
trans-1,3-Dichloropropene  
Concen: 12.018 ug/L  
RT: 8.211 min Scan# 2137  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion: 75 Resp: 130575  
Ion Ratio Lower Upper  
75 100  
77 31.5 21.2 39.4

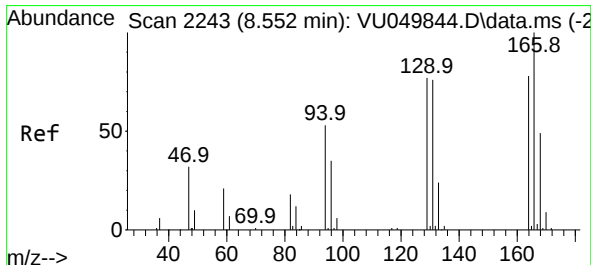
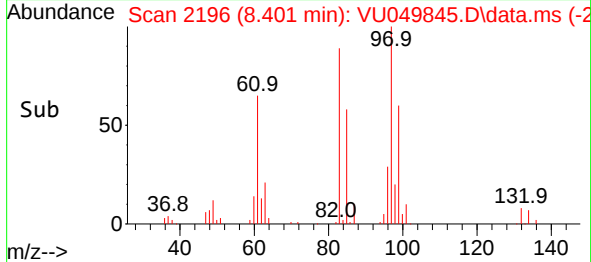
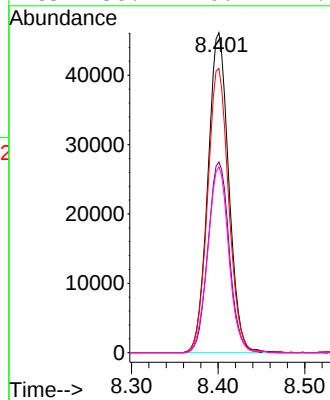
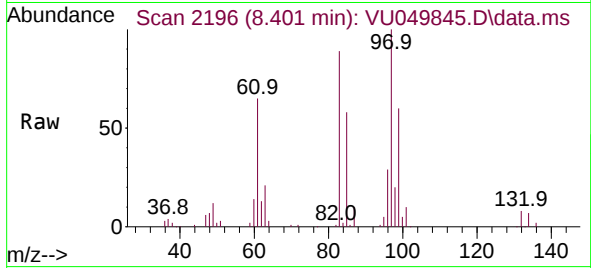




#45  
1,1,2-Trichloroethane  
Concen: 12.875 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. 0.003 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

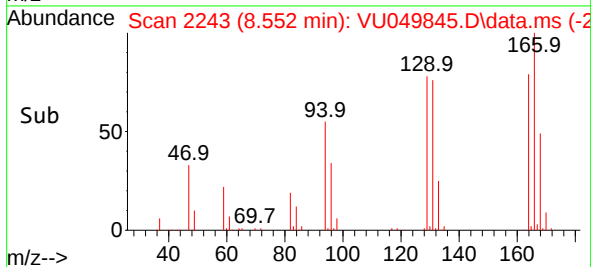
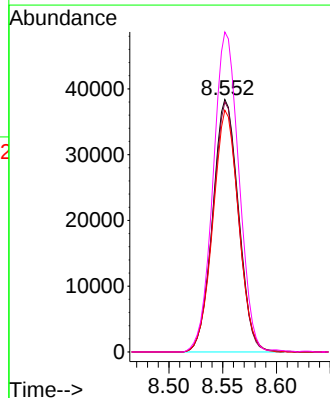
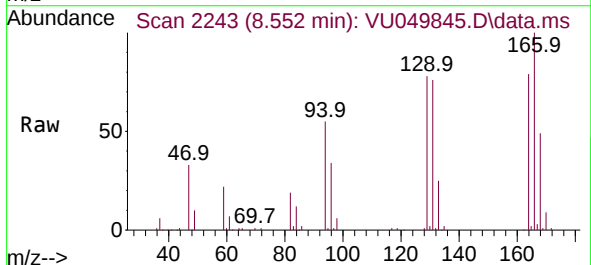
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010041

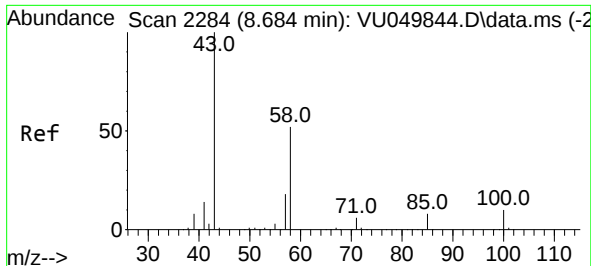
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 77202 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 59.6     | 43.8 81.3   |
| 83 88.8     | 62.4 115.8  |
| 85 58.1     | 40.2 74.6   |



#47  
Tetrachloroethene  
Concen: 11.777 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 64086 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 99.0    | 68.9  | 127.9 |
| 131 | 95.7    | 67.5  | 125.4 |
| 166 | 126.7   | 89.2  | 165.8 |

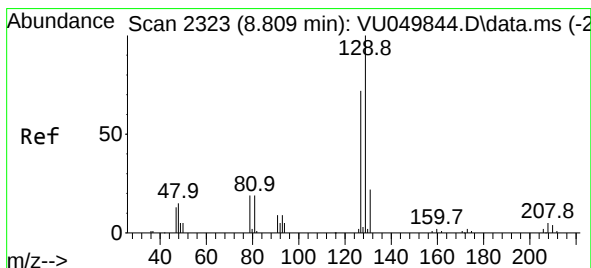
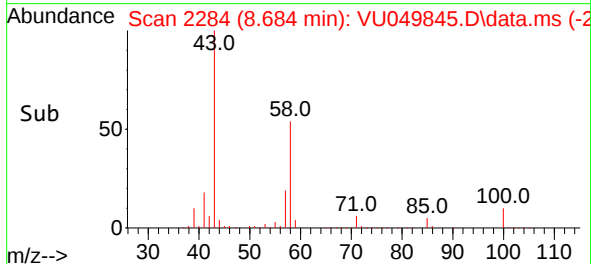
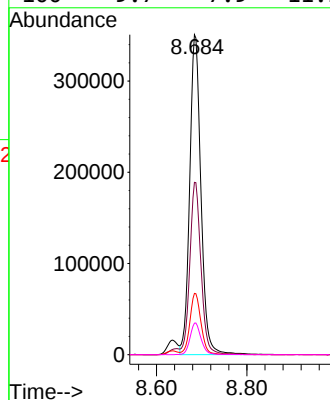
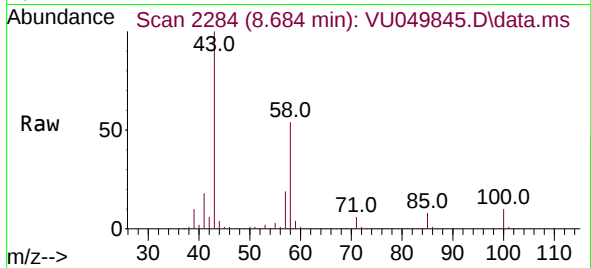




#48  
2-Hexanone  
Concen: 133.081 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

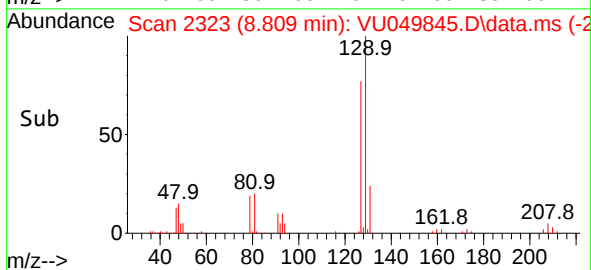
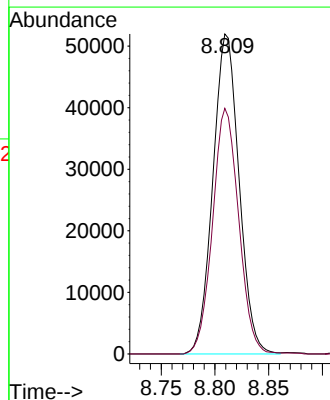
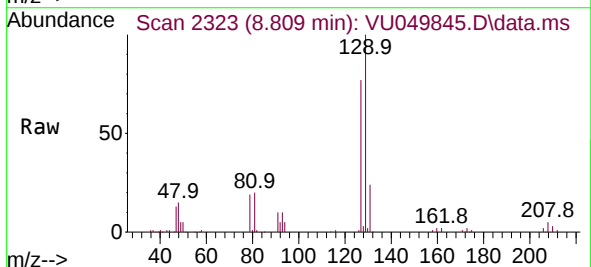
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010041

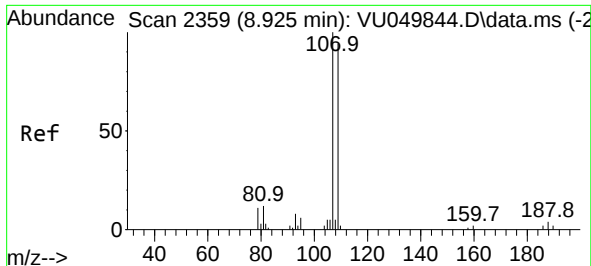
Tgt Ion: 43 Resp: 607857  
Ion Ratio Lower Upper  
43 100  
58 52.6 42.1 63.1  
57 18.9 14.3 21.5  
100 9.7 7.9 11.9



#49  
Dibromochloromethane  
Concen: 12.952 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion: 129 Resp: 88027  
Ion Ratio Lower Upper  
129 100  
127 76.7 50.5 93.7





#50

1,2-Dibromoethane

Concen: 12.922 ug/L

RT: 8.925 min Scan# 2359

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010041

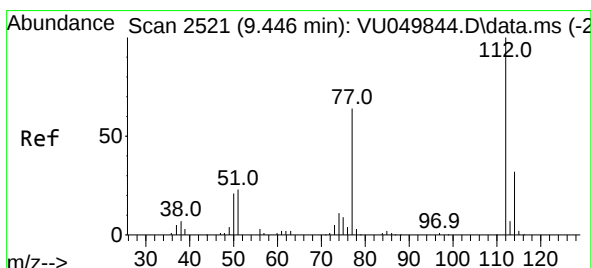
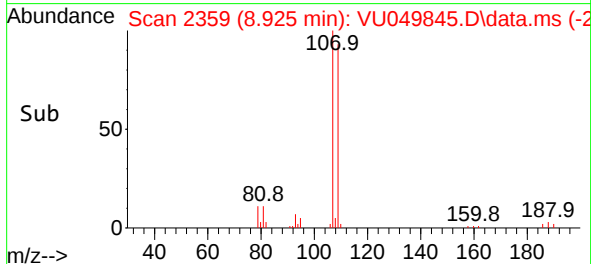
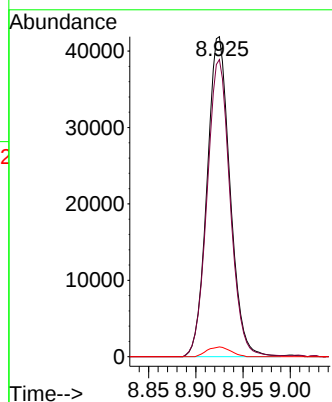
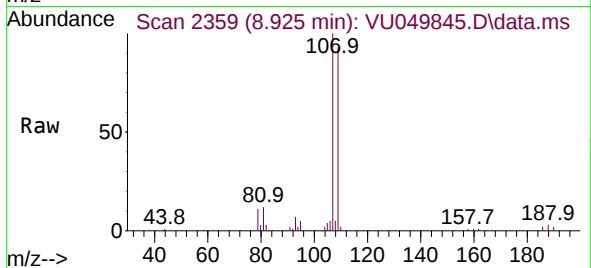
Tgt Ion:107 Resp: 70689

Ion Ratio Lower Upper

107 100

109 92.9 65.6 121.8

188 3.1 2.8 4.2



#51

Chlorobenzene

Concen: 12.183 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

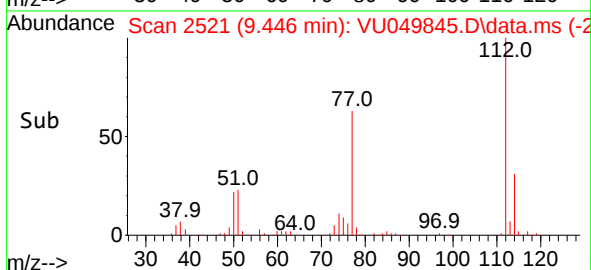
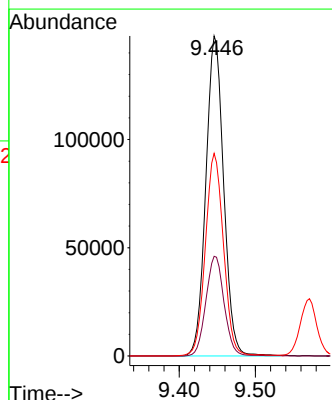
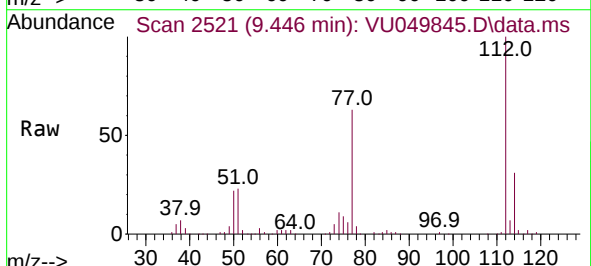
Tgt Ion:112 Resp: 240796

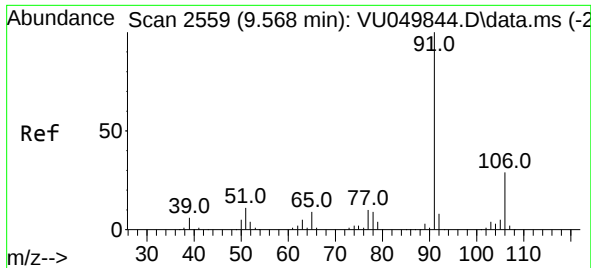
Ion Ratio Lower Upper

112 100

114 31.2 22.4 41.6

77 63.3 51.2 76.8

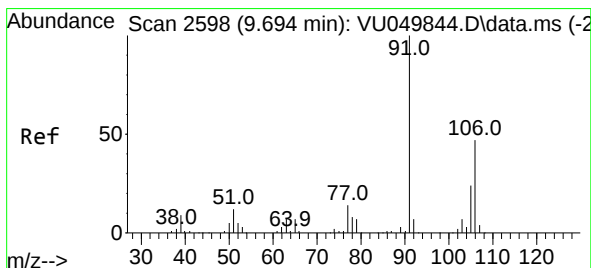
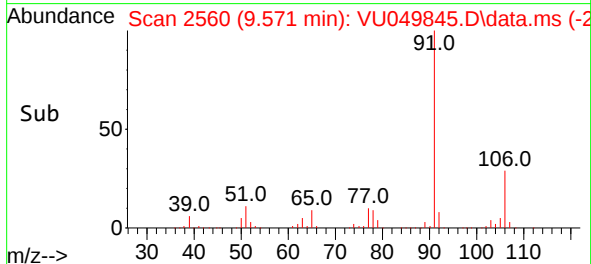
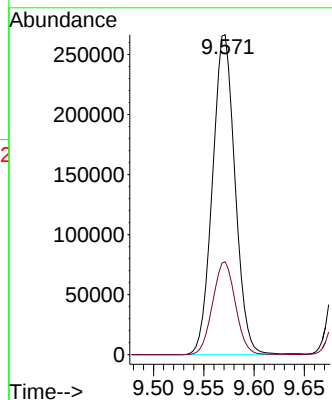
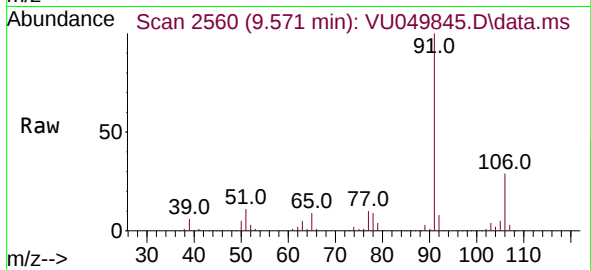




#52  
Ethylbenzene  
Concen: 11.900 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.003 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

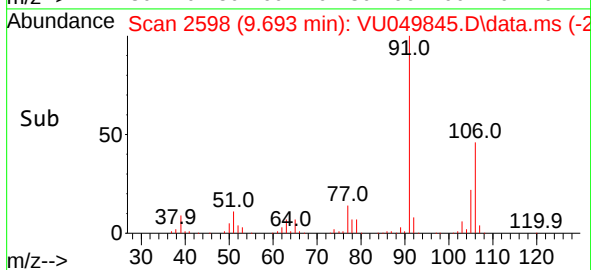
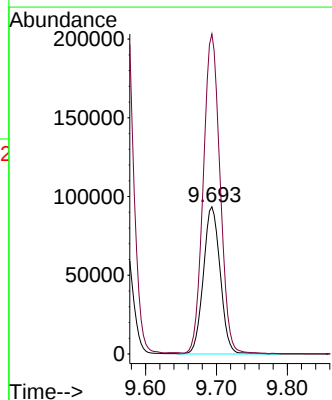
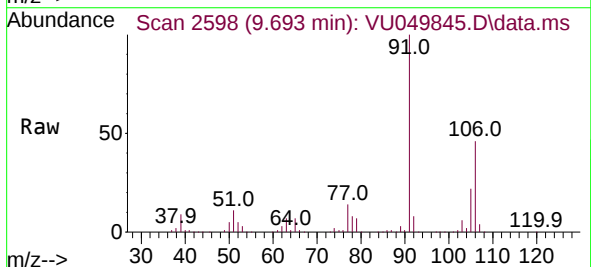
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010041

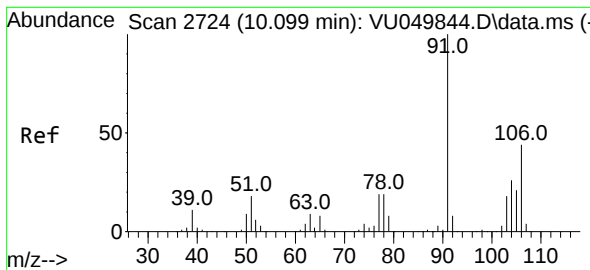
Tgt Ion: 91 Resp: 416008  
Ion Ratio Lower Upper  
91 100  
106 29.1 20.6 38.4



#53  
m,p-Xylene  
Concen: 11.948 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion: 106 Resp: 154225  
Ion Ratio Lower Upper  
106 100  
91 217.4 149.7 277.9

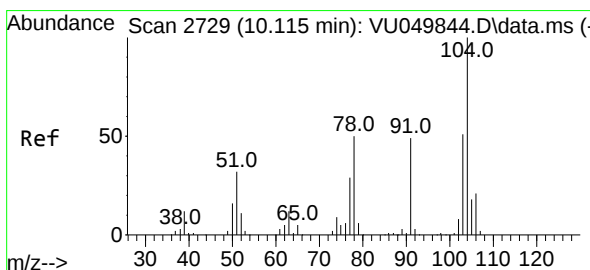
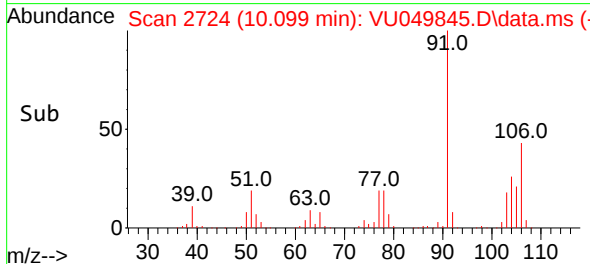
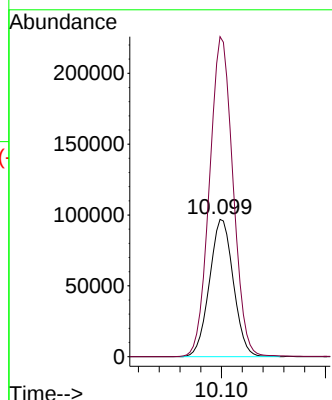
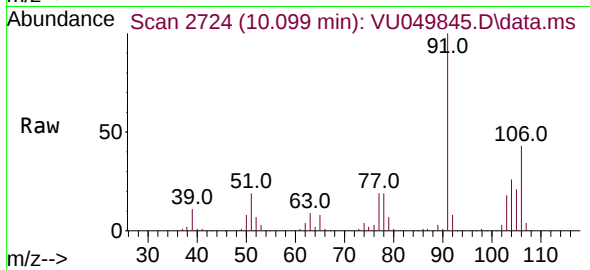




#54  
o-Xylene  
Concen: 12.087 ug/L  
RT: 10.099 min Scan# 2724  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

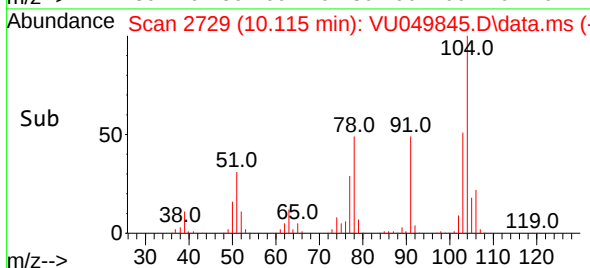
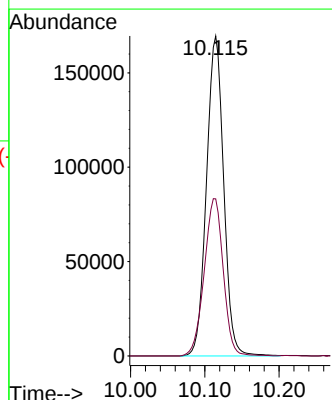
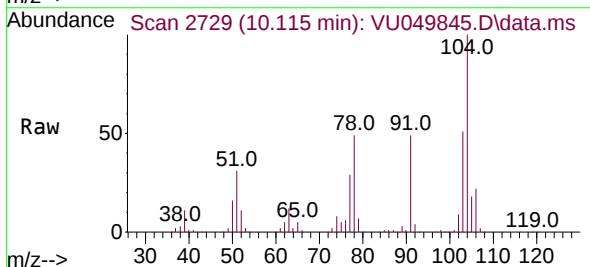
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010041

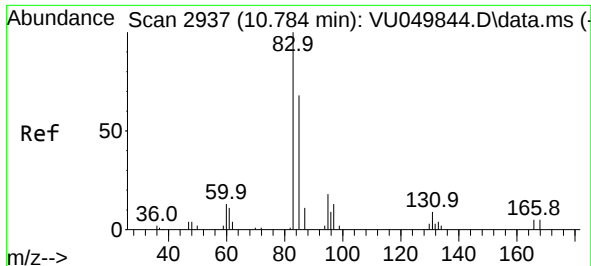
Tgt Ion:106 Resp: 154930  
Ion Ratio Lower Upper  
106 100  
91 233.0 159.4 296.0



#55  
Styrene  
Concen: 12.674 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion:104 Resp: 272412  
Ion Ratio Lower Upper  
104 100  
78 49.1 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 12.857 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010041

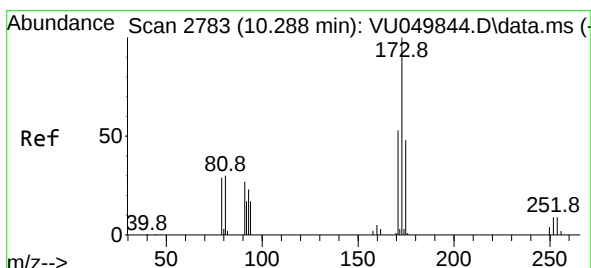
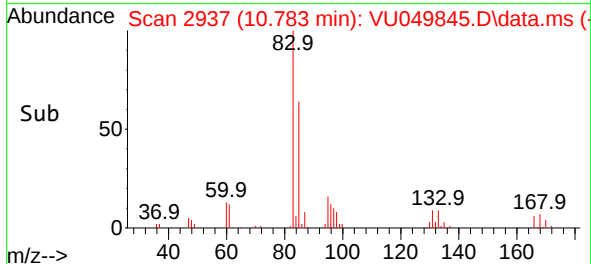
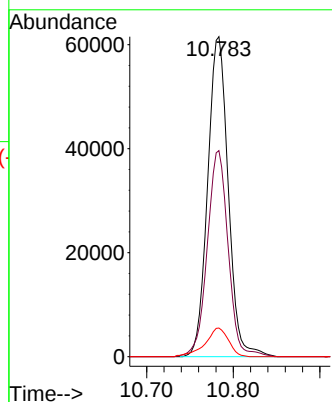
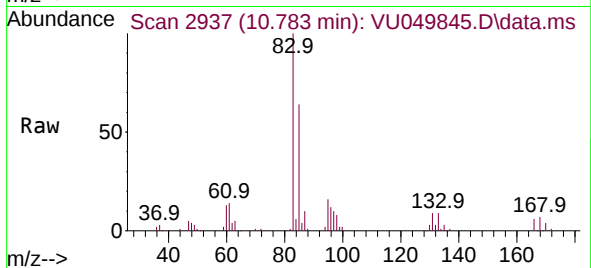
Tgt Ion: 83 Resp: 101374

Ion Ratio Lower Upper

83 100

85 64.4 47.9 89.1

131 9.0 7.3 10.9



#59

Bromoform

Concen: 12.247 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.003 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

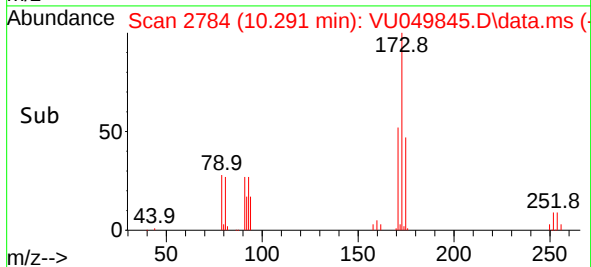
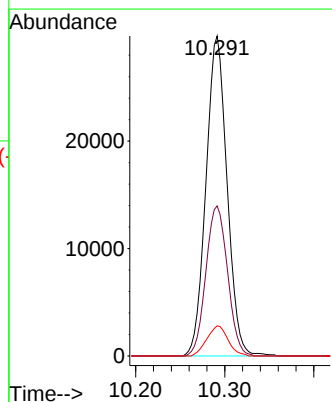
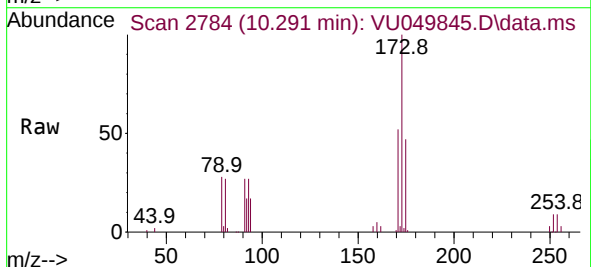
Tgt Ion:173 Resp: 48932

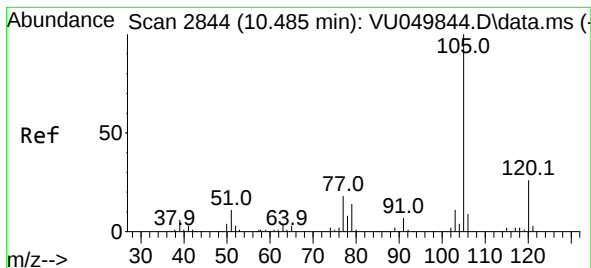
Ion Ratio Lower Upper

173 100

175 48.2 39.5 59.3

254 9.5 7.5 11.3





#60

Isopropylbenzene

Concen: 11.096 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010041

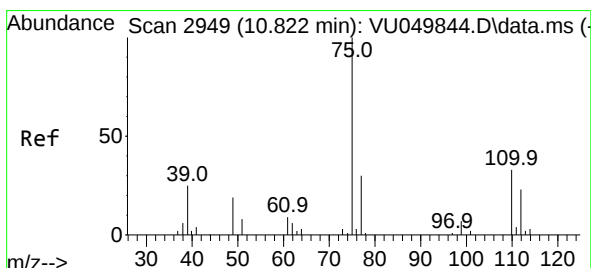
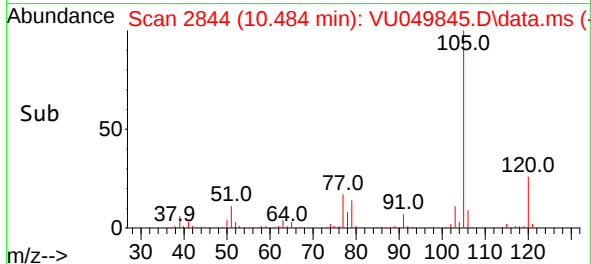
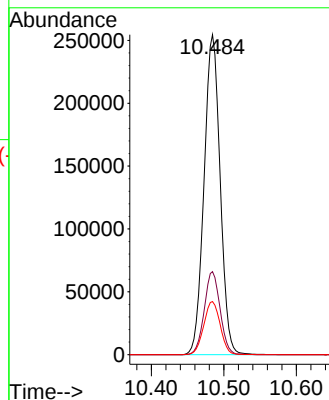
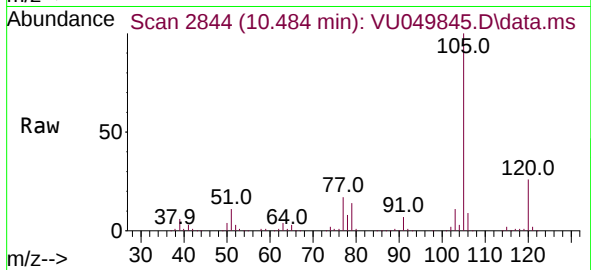
Tgt Ion:105 Resp: 393111

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

77 17.0 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 12.339 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

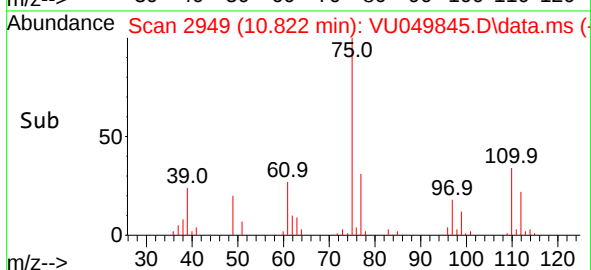
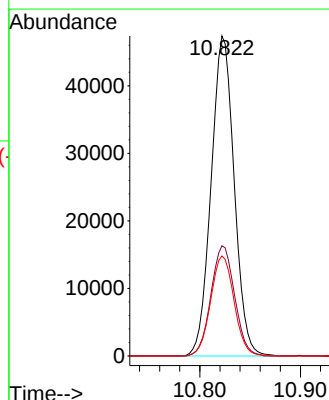
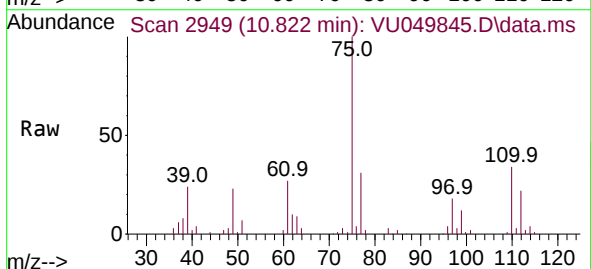
Tgt Ion: 75 Resp: 75370

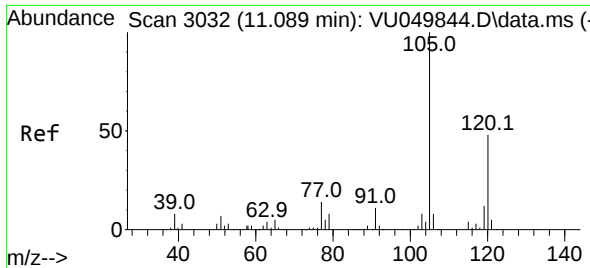
Ion Ratio Lower Upper

75 100

110 35.3 28.0 42.0

77 31.8 25.4 38.2

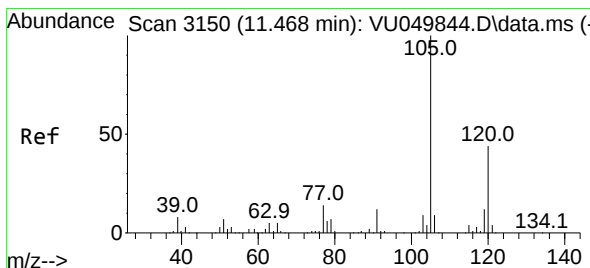
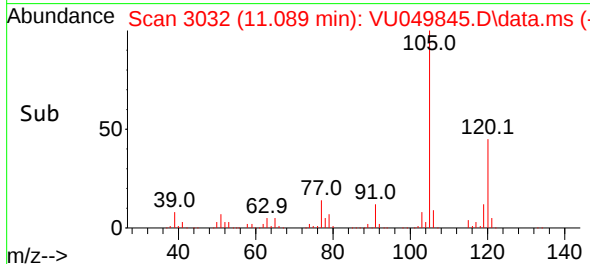
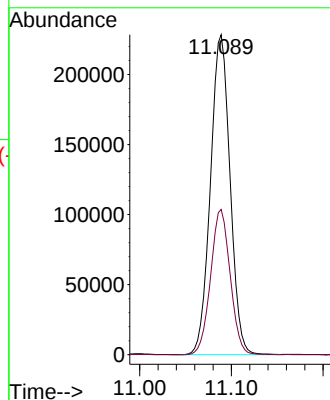
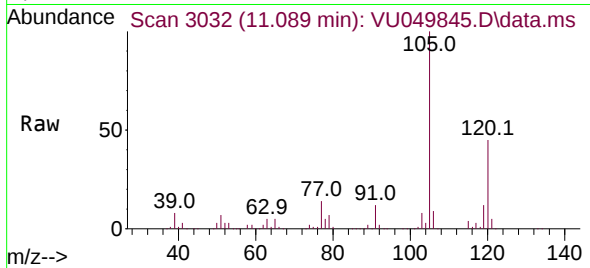




#62  
 1,3,5-Trimethylbenzene  
 Concen: 10.966 ug/L  
 RT: 11.089 min Scan# 3032  
 Delta R.T. -0.000 min  
 Lab File: VU049845.D  
 Acq: 22 Jul 2022 11:25

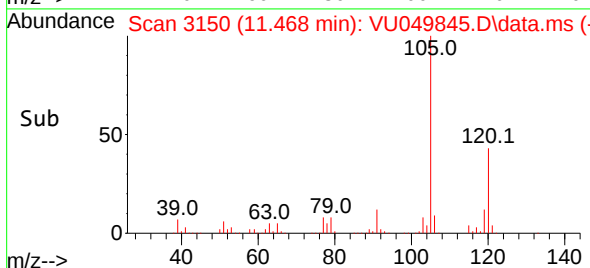
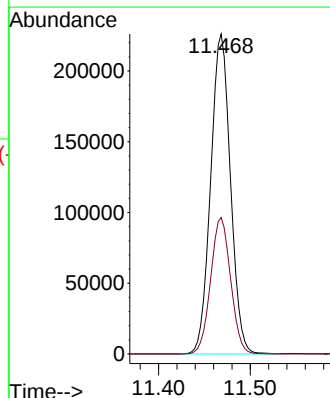
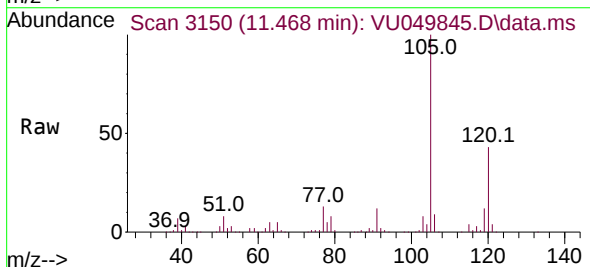
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010041

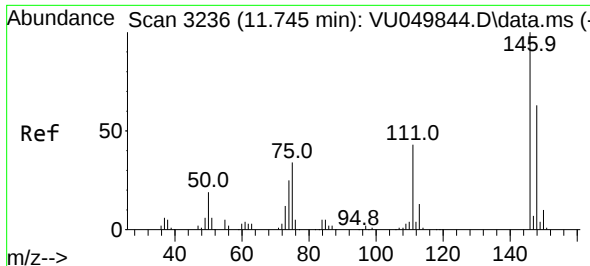
Tgt Ion:105 Resp: 339226  
 Ion Ratio Lower Upper  
 105 100  
 120 45.3 38.0 57.0



#63  
 1,2,4-Trimethylbenzene  
 Concen: 11.167 ug/L  
 RT: 11.468 min Scan# 3150  
 Delta R.T. -0.000 min  
 Lab File: VU049845.D  
 Acq: 22 Jul 2022 11:25

Tgt Ion:105 Resp: 338959  
 Ion Ratio Lower Upper  
 105 100  
 120 43.0 34.2 51.4

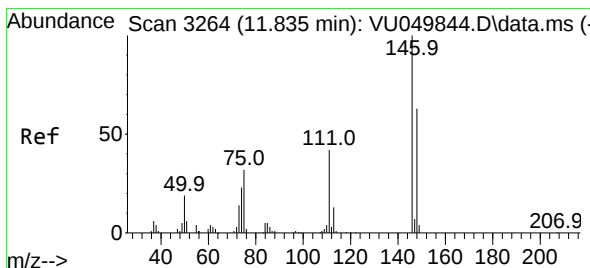
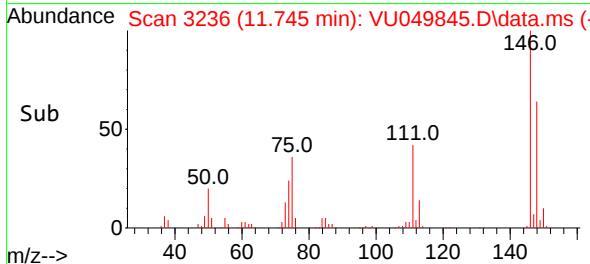
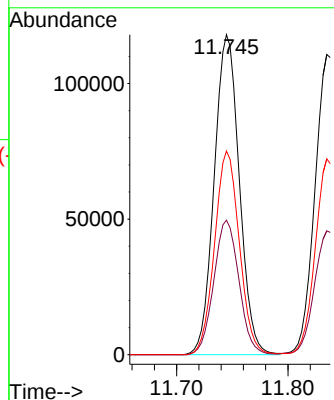
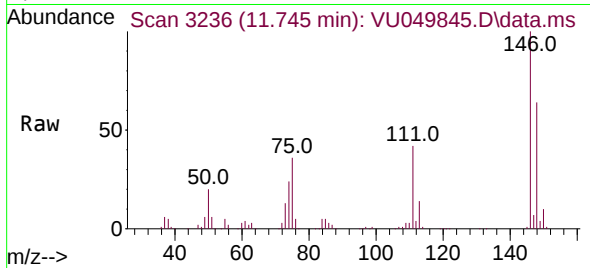




#64  
1,3-Dichlorobenzene  
Concen: 11.828 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

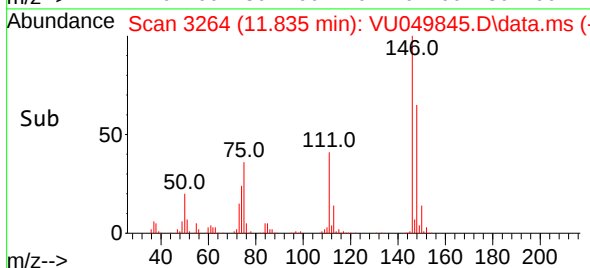
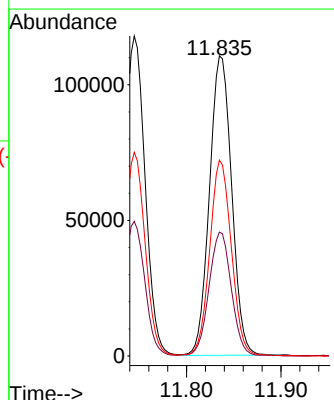
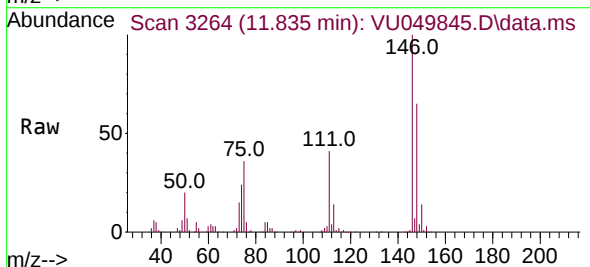
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010041

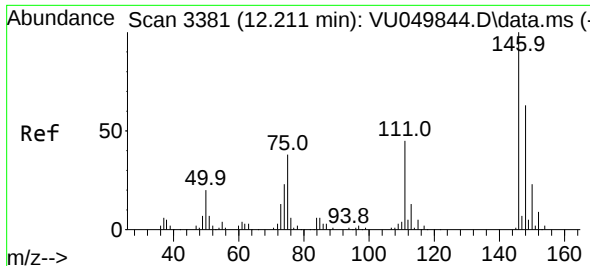
Tgt Ion:146 Resp: 184675  
Ion Ratio Lower Upper  
146 100  
111 42.1 30.0 55.8  
148 63.7 44.2 82.2



#65  
1,4-Dichlorobenzene  
Concen: 11.758 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.000 min  
Lab File: VU049845.D  
Acq: 22 Jul 2022 11:25

Tgt Ion:146 Resp: 179929  
Ion Ratio Lower Upper  
146 100  
111 41.2 29.5 54.7  
148 65.2 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 12.107 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010041

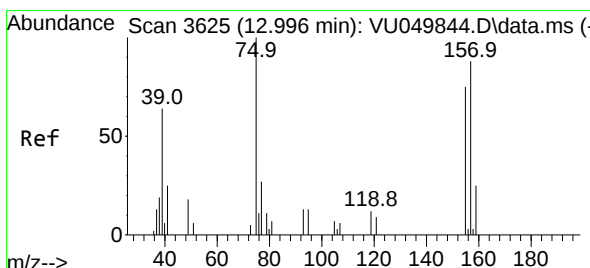
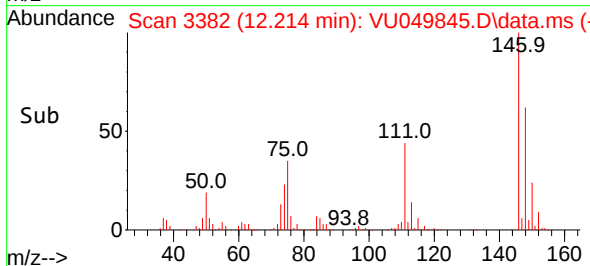
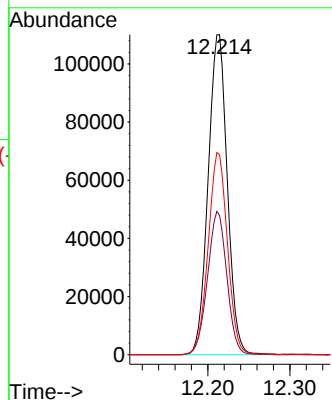
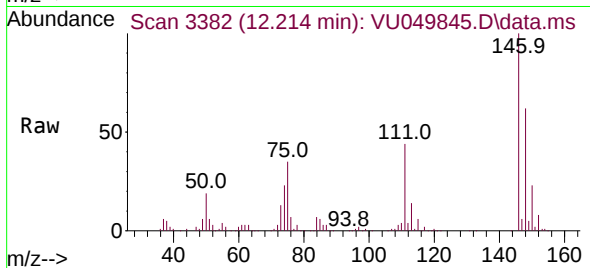
Tgt Ion:146 Resp: 178956

Ion Ratio Lower Upper

146 100

111 43.5 35.8 53.8

148 62.5 50.3 75.5



#68

1,2-Dibromo-3-chloropropane

Concen: 10.890 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

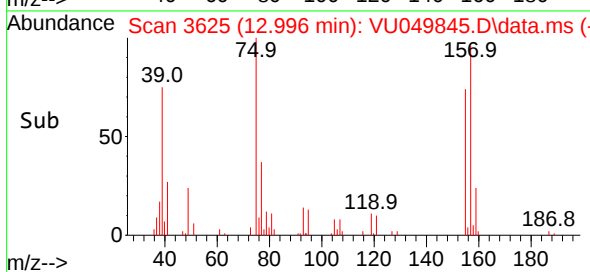
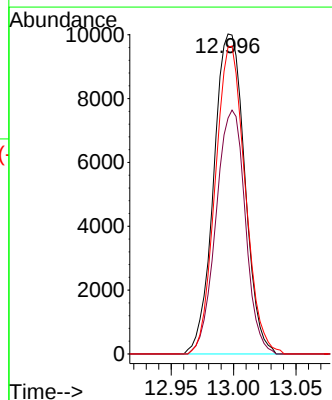
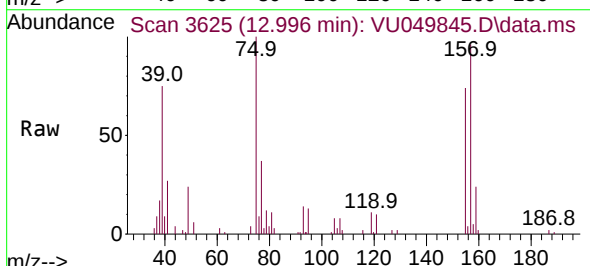
Tgt Ion: 75 Resp: 17316

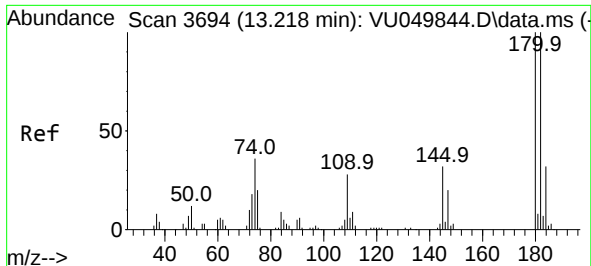
Ion Ratio Lower Upper

75 100

155 73.7 60.4 90.6

157 95.9 70.0 105.0





#69

1,3,5-Trichlorobenzene

Concen: 11.745 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.003 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010041

Tgt Ion:180 Resp: 134619

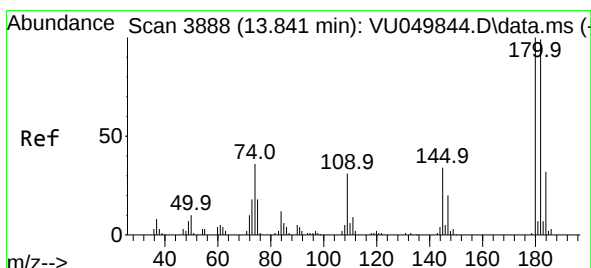
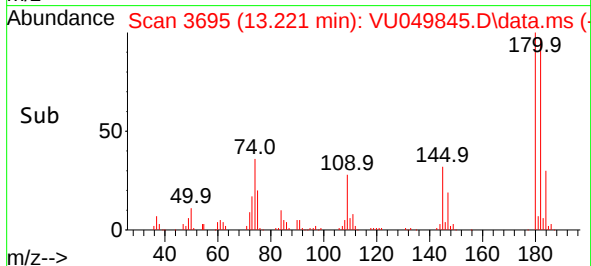
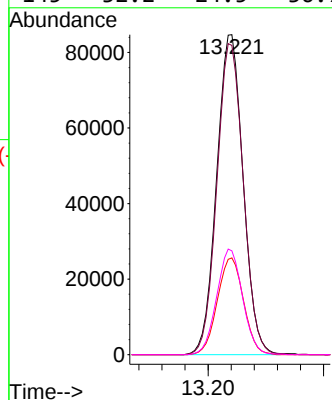
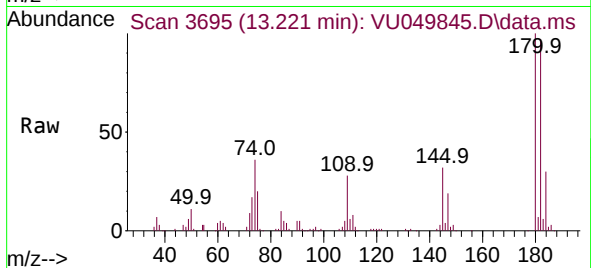
Ion Ratio Lower Upper

180 100

182 97.0 77.2 115.8

184 30.0 25.3 37.9

145 32.2 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 12.884 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

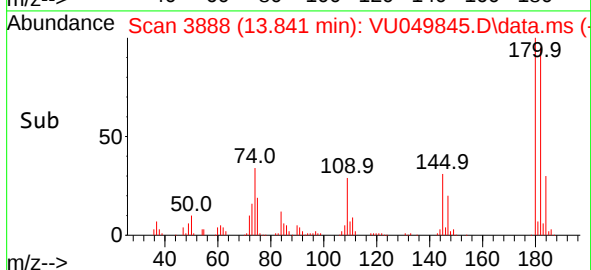
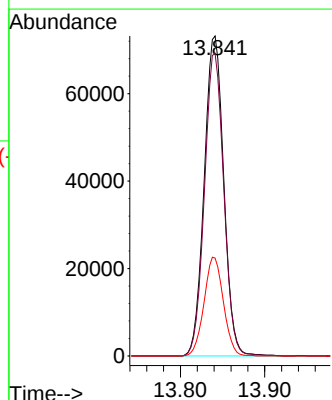
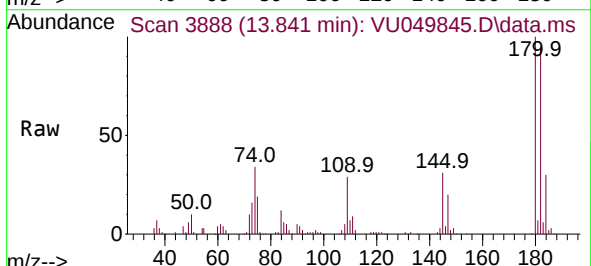
Tgt Ion:180 Resp: 118356

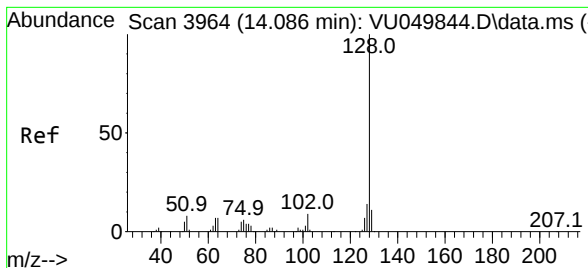
Ion Ratio Lower Upper

180 100

182 93.5 77.0 115.4

145 30.5 26.1 39.1





#71

Naphthalene

Concen: 12.959 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTD010041

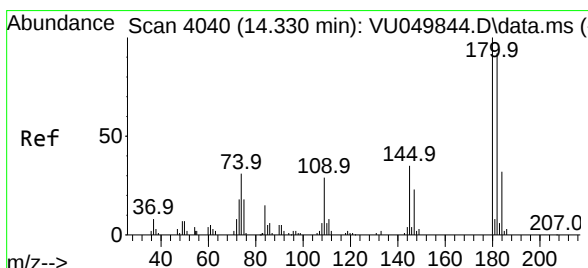
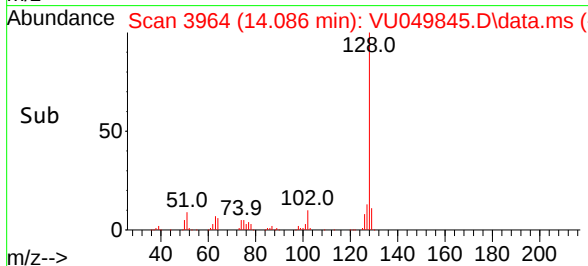
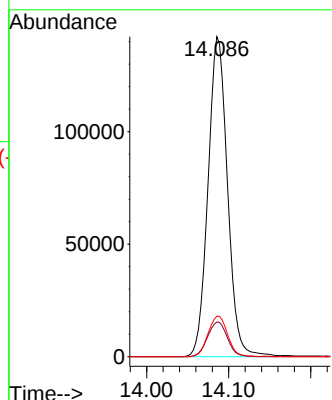
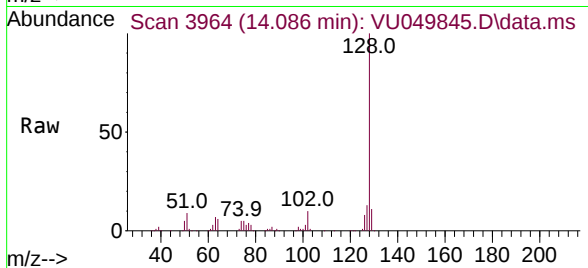
Tgt Ion:128 Resp: 234450

Ion Ratio Lower Upper

128 100

129 11.0 8.2 12.4

127 12.7 11.1 16.7



#72

1,2,3-Trichlorobenzene

Concen: 13.272 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.000 min

Lab File: VU049845.D

Acq: 22 Jul 2022 11:25

Tgt Ion:180 Resp: 115696

Ion Ratio Lower Upper

180 100

182 95.9 73.9 110.9

145 33.5 27.8 41.6

