

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082321\  
 Data File : VU044490.D  
 Acq On : 23 Aug 2021 09:33  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005092

Quant Time: Aug 24 03:47:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR081821WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 21 02:45:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114   | 113694   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 115414   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 58477    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 40627    | 4.418    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 88.400%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 37871    | 4.739    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65    | 19065    | 4.874    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 97.400%  |
| 20) 2-Butanone-d5             | 4.639  | 46    | 107190   | 42.150   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 84.300%  |
| 24) Chloroform-d              | 5.073  | 84    | 85184    | 5.239    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 104.800% |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 45080    | 5.084    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.600% |
| 32) Benzene-d6                | 5.735  | 84    | 164415   | 5.059    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.200% |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 53919    | 5.186    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 103.800% |
| 41) Toluene-d8                | 7.906  | 98    | 147323   | 5.112    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.200% |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79    | 20971    | 5.616    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 112.400% |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 117472   | 58.178   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 116.360% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 46989    | 5.366    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 107.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 50018    | 5.063    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 101.200% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 65175    | 5.574    | ug/L   | 99       |
| 3) Chloromethane              | 1.523  | 50    | 78448    | 5.121    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.607  | 62    | 79055    | 5.583    | ug/L   | 99       |
| 6) Bromomethane               | 1.861  | 94    | 42763    | 5.556    | ug/L   | 99       |
| 8) Chloroethane               | 1.938  | 64    | 46998    | 5.429    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 89221    | 5.511    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.587  | 101   | 50918    | 5.716    | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 49920    | 5.713    | ug/L   | 98       |
| 13) Acetone                   | 2.645  | 43    | 59948    | 28.389   | ug/L   | 75       |
| 14) Carbon disulfide          | 2.800  | 76    | 159812   | 5.639    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.960  | 43    | 18413    | 5.339    | ug/L   | 95       |
| 16) Methylene chloride        | 3.054  | 84    | 60232    | 4.640    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.372  | 73    | 130271   | 5.765    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.362  | 96    | 52097    | 5.722    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 101766   | 5.766    | ug/L   | 98       |
| 21) 2-Butanone                | 4.719  | 43    | 119681   | 39.771   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 56235    | 5.777    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.986  | 128   | 24772    | 5.773    | ug/L   | 97       |
| 25) Chloroform                | 5.099  | 83    | 100996   | 5.578    | ug/L   | 98       |

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 Acq On : 23 Aug 2021 09:33  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

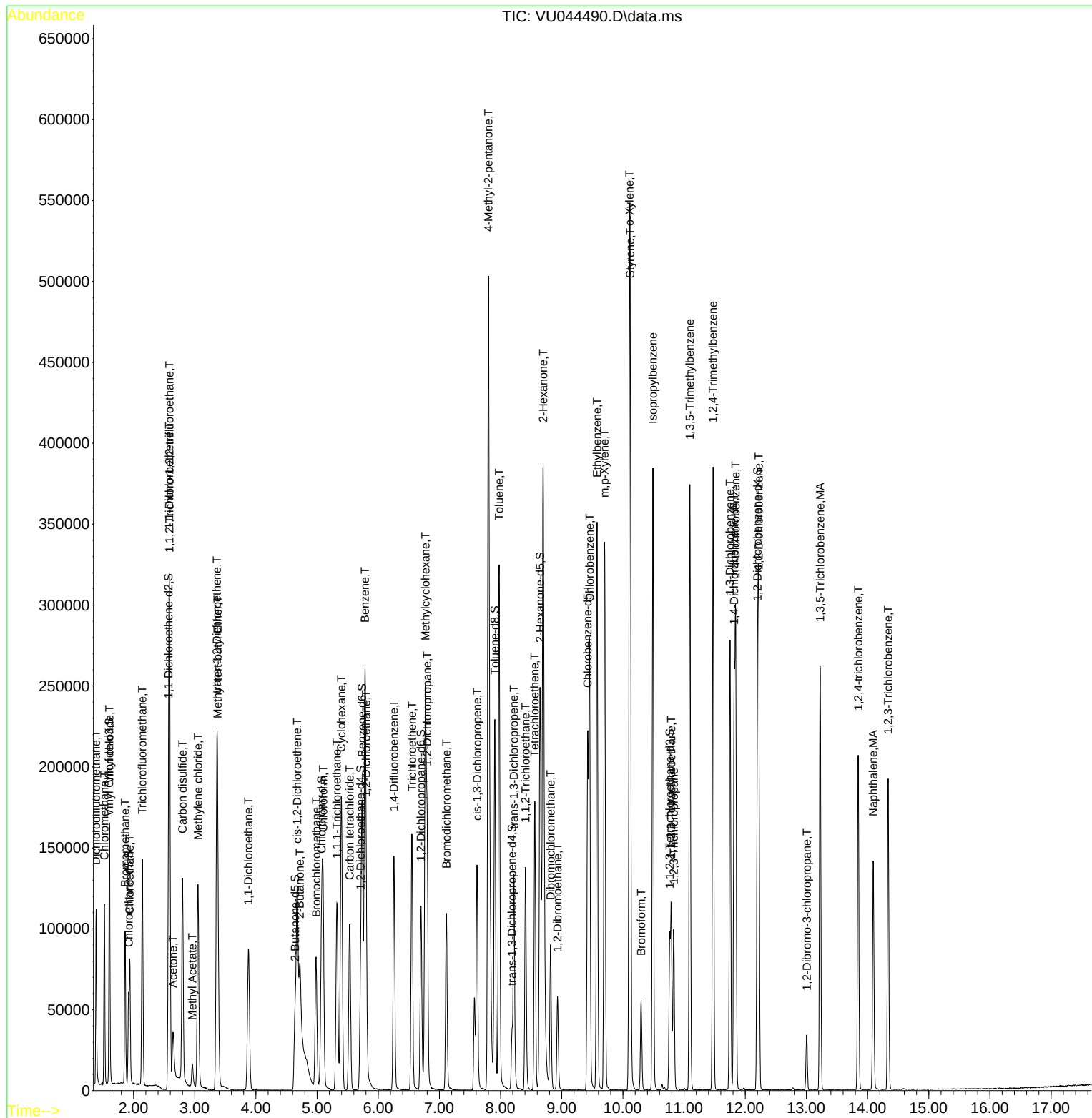
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005092

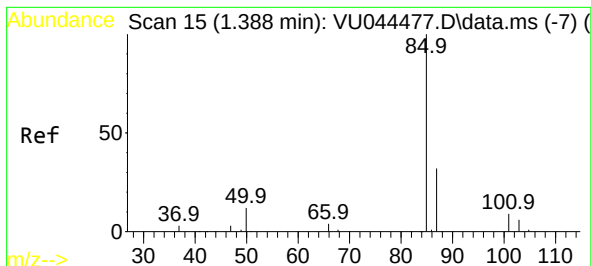
Quant Time: Aug 24 03:47:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR081821WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 21 02:45:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 70088    | 5.803  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.324  | 97   | 83600    | 5.787  | ug/L  | 99       |
| 30) Cyclohexane               | 5.398  | 56   | 92051    | 5.765  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 67564    | 5.692  | ug/L  | 100      |
| 33) Benzene                   | 5.784  | 78   | 224438   | 5.732  | ug/L  | 100      |
| 34) Trichloroethene           | 6.552  | 95   | 55885    | 5.773  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.771  | 83   | 90576    | 5.610  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 59890    | 5.841  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.115  | 83   | 73509    | 5.839  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 83318    | 5.794  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 427943   | 61.469 | ug/L  | 99       |
| 42) Toluene                   | 7.976  | 91   | 235277   | 5.768  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.217  | 75   | 73958    | 6.068  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 44412    | 6.074  | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.558  | 164  | 37783    | 5.644  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.697  | 43   | 309880   | 62.380 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.819  | 129  | 45336    | 5.859  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 40621    | 5.808  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.455  | 112  | 141809   | 5.665  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.578  | 91   | 247289   | 5.739  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.700  | 106  | 95181    | 5.876  | ug/L  | 99       |
| 54) o-Xylene                  | 10.108 | 106  | 92562    | 5.866  | ug/L  | 98       |
| 55) Styrene                   | 10.121 | 104  | 160679   | 6.211  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 57282    | 5.950  | ug/L  | 100      |
| 59) Bromoform                 | 10.298 | 173  | 24119    | 5.838  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.491 | 105  | 242592   | 5.685  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.832 | 75   | 42289    | 5.787  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 199701   | 5.723  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 204763   | 5.722  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 105288   | 5.618  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.844 | 146  | 105684   | 5.582  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 101564   | 5.687  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 9176     | 6.139  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 73952    | 5.605  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.847 | 180  | 59333    | 5.738  | ug/L  | 98       |
| 71) Naphthalene               | 14.092 | 128  | 111942   | 5.678  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 54876    | 5.796  | ug/L  | 98       |

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

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QLast Update : Sat Aug 21 02:45:30 2021  
Response via : Initial Calibration

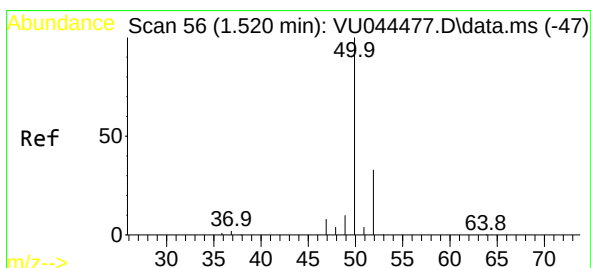
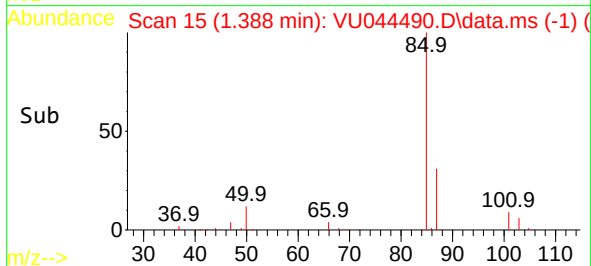
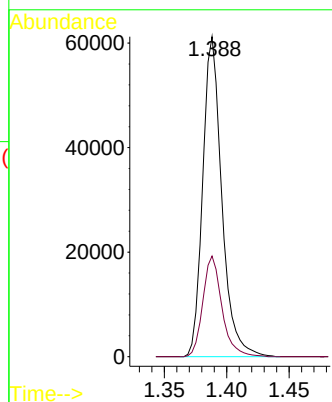
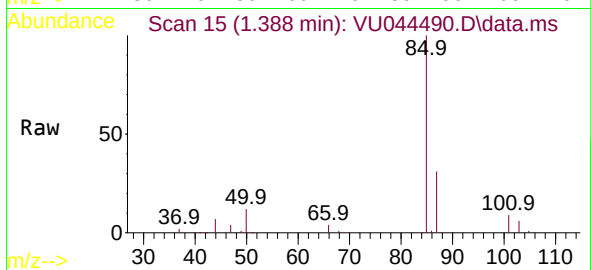




#2  
Dichlorodifluoromethane  
Concen: 5.574 ug/L  
RT: 1.388 min Scan# 15  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

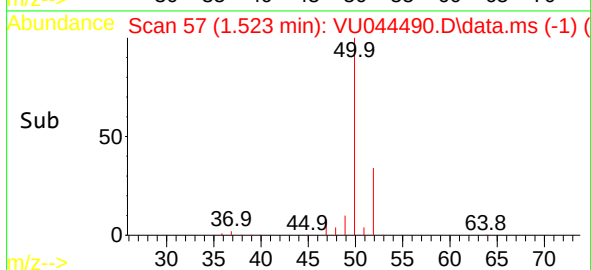
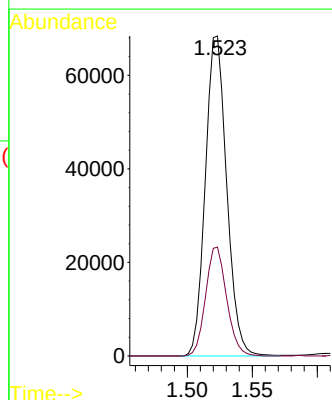
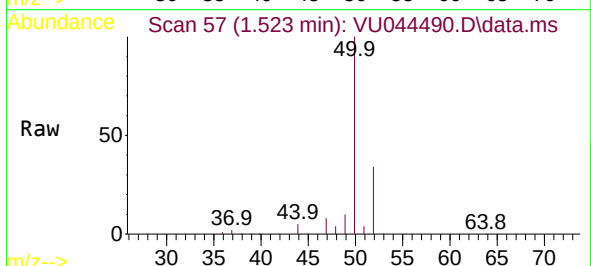
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

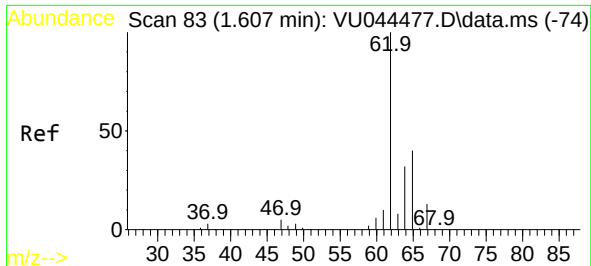
Tgt Ion: 85 Resp: 65175  
Ion Ratio Lower Upper  
85 100  
87 31.5 25.7 38.5



#3  
Chloromethane  
Concen: 5.121 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 50 Resp: 78448  
Ion Ratio Lower Upper  
50 100  
52 34.0 22.8 42.4

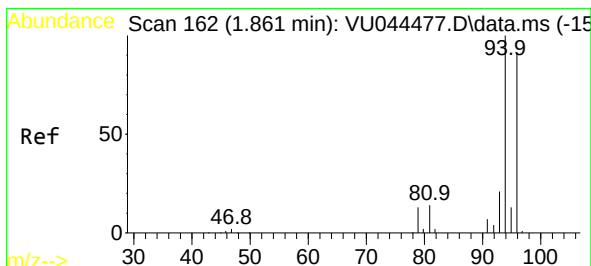
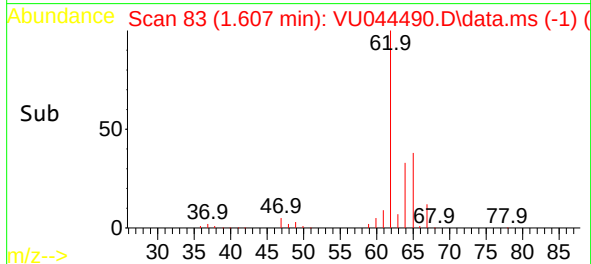
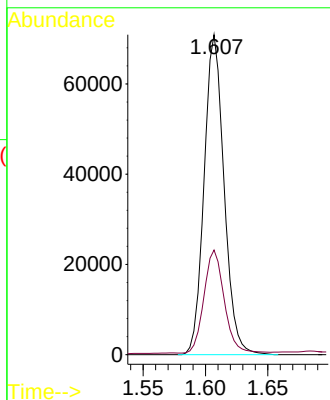
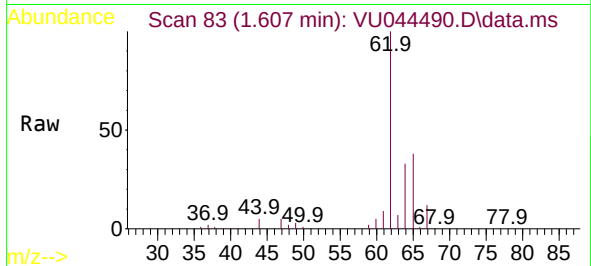




#5  
 Vinyl chloride  
 Concen: 5.583 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: VU044490.D  
 Acq: 23 Aug 2021 09:33

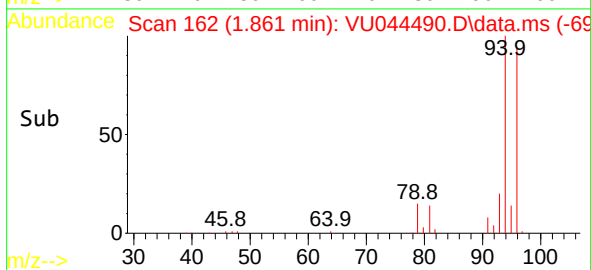
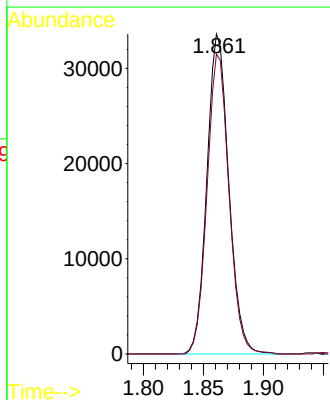
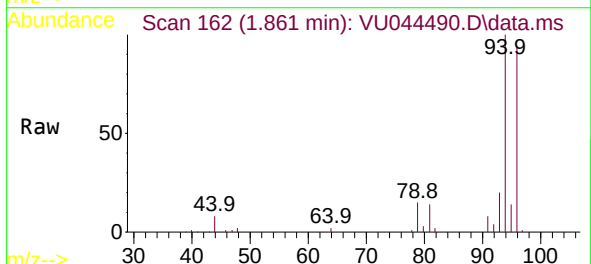
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005092

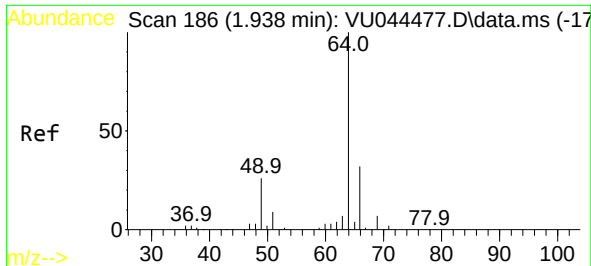
Tgt Ion: 62 Resp: 79055  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 23.2 43.0



#6  
 Bromomethane  
 Concen: 5.556 ug/L  
 RT: 1.861 min Scan# 162  
 Delta R.T. -0.000 min  
 Lab File: VU044490.D  
 Acq: 23 Aug 2021 09:33

Tgt Ion: 94 Resp: 42763  
 Ion Ratio Lower Upper  
 94 100  
 96 93.8 65.2 121.2

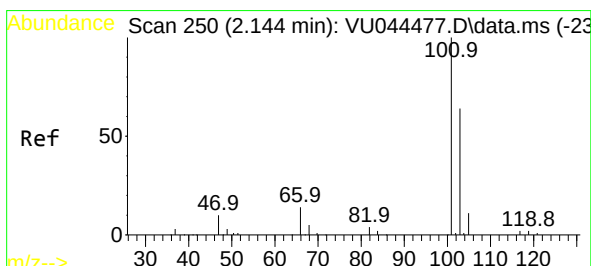
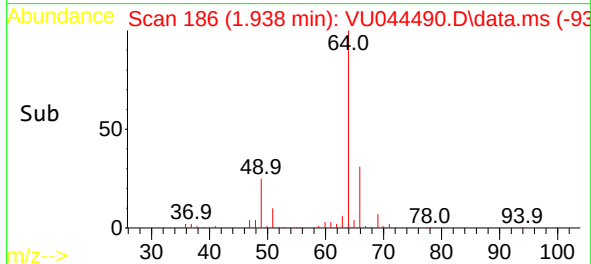
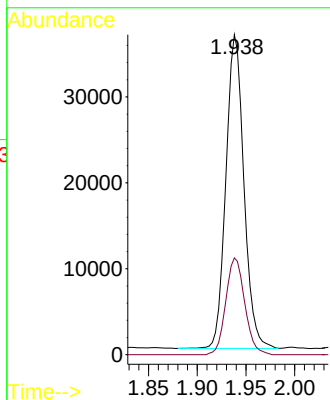
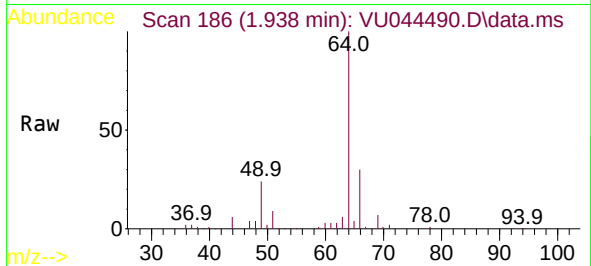




#8  
Chloroethane  
Concen: 5.429 ug/L  
RT: 1.938 min Scan# 186  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

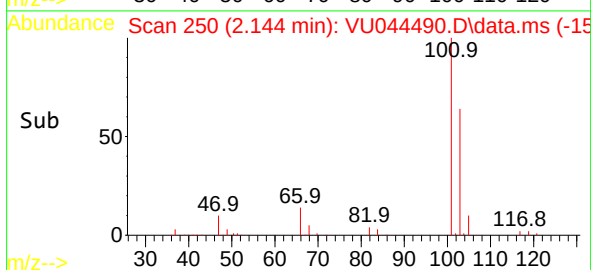
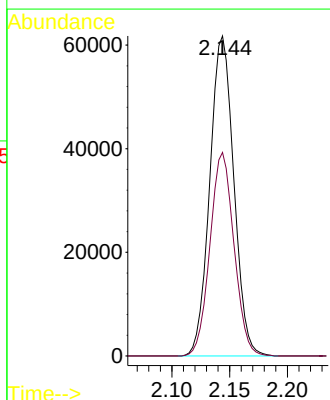
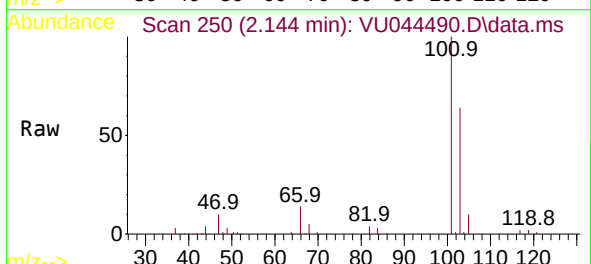
Instrument :  
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VSTD005092

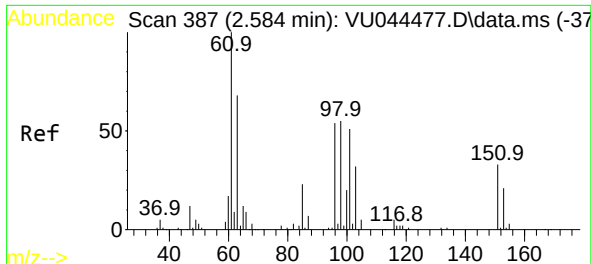
Tgt Ion: 64 Resp: 46998  
Ion Ratio Lower Upper  
64 100  
66 30.3 21.3 39.5



#9  
Trichlorofluoromethane  
Concen: 5.511 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 101 Resp: 89221  
Ion Ratio Lower Upper  
101 100  
103 63.6 51.6 77.4

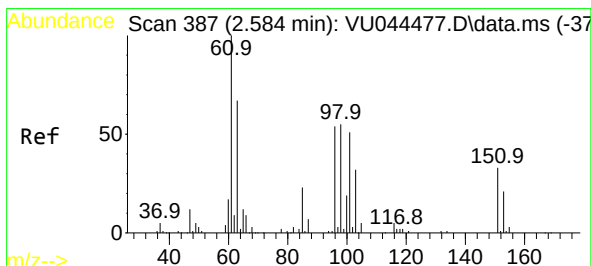
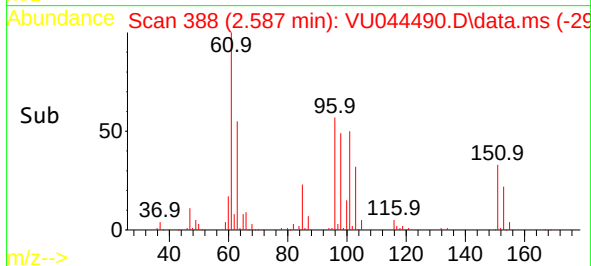
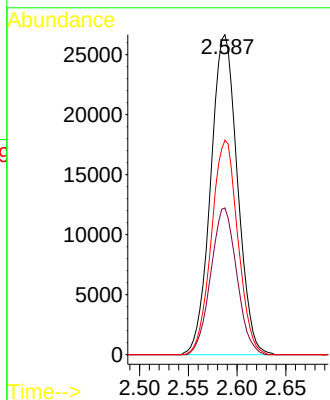
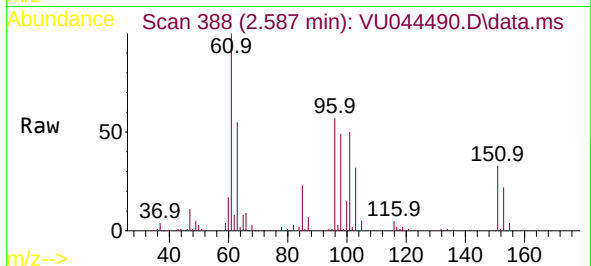




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.716 ug/L  
RT: 2.587 min Scan# 388  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

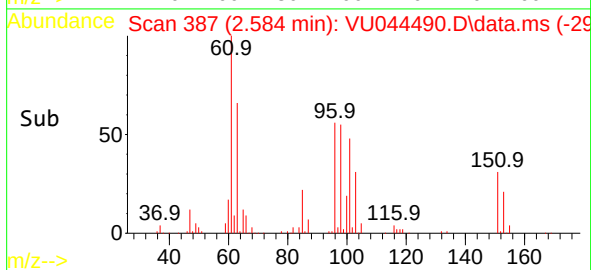
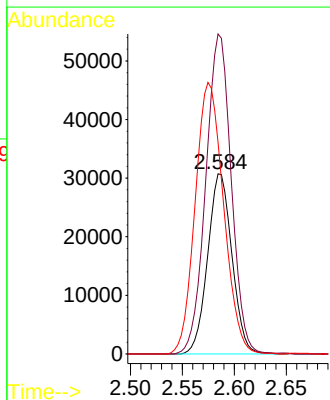
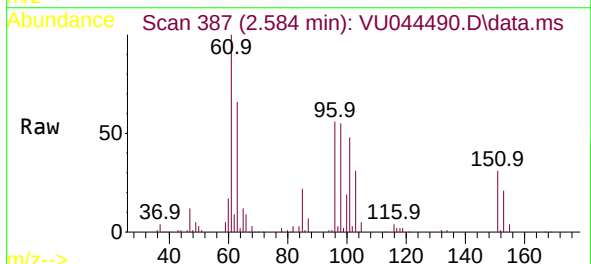
Instrument :  
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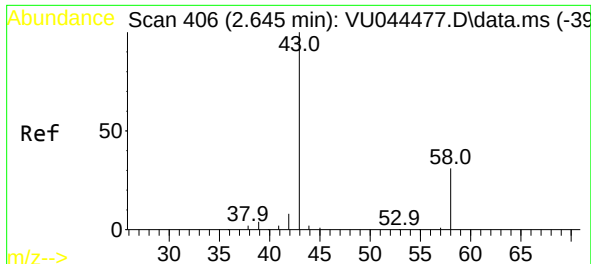
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Ion Ratio Lower Upper  
101 100  
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151 66.2 53.0 79.6



#12  
1,1-Dichloroethene  
Concen: 5.713 ug/L  
RT: 2.584 min Scan# 387  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 96 Resp: 49920  
Ion Ratio Lower Upper  
96 100  
61 177.6 126.1 234.3  
63 117.5 84.8 157.6

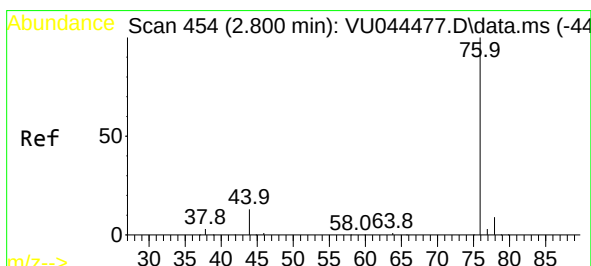
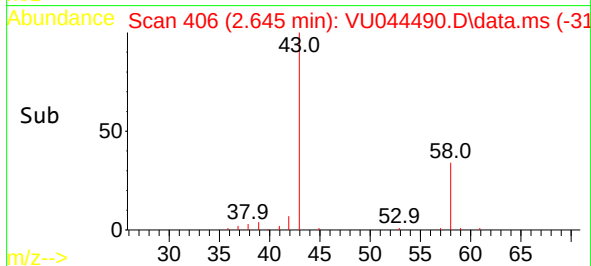
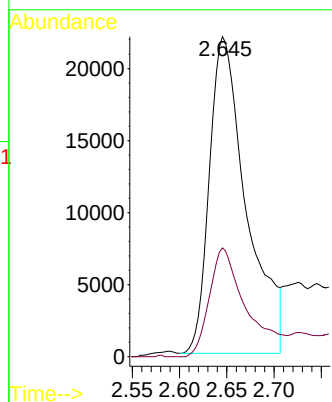
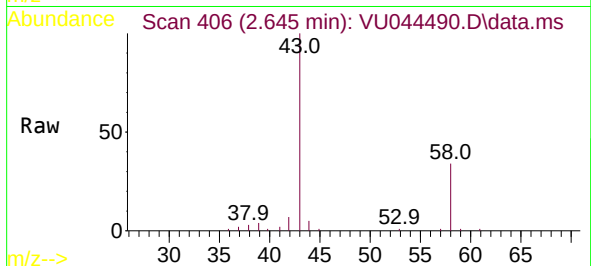




#13  
Acetone  
Concen: 28.389 ug/L  
RT: 2.645 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

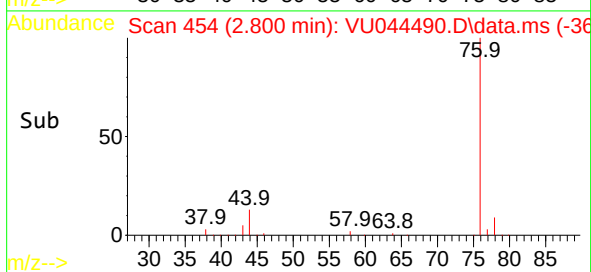
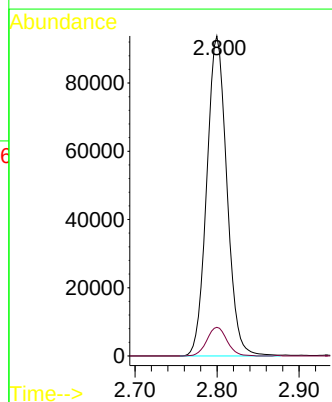
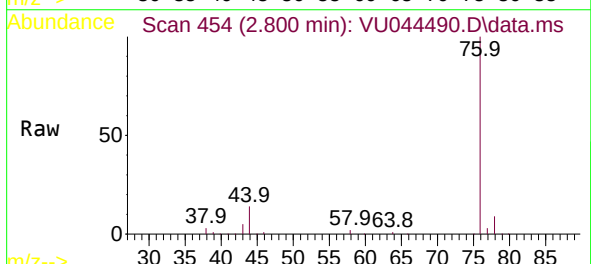
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

Tgt Ion: 43 Resp: 59948  
Ion Ratio Lower Upper  
43 100  
58 34.8 0.0 45.4

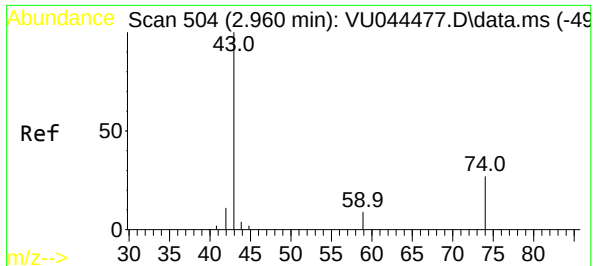


#14  
Carbon disulfide  
Concen: 5.639 ug/L  
RT: 2.800 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 76 Resp: 159812  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.2 10.8



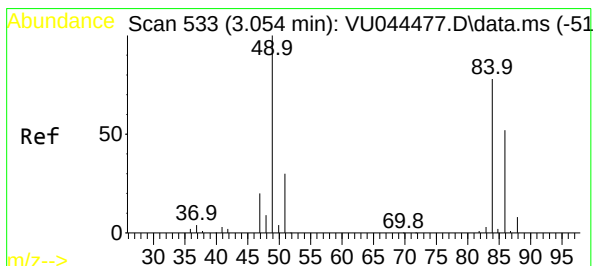
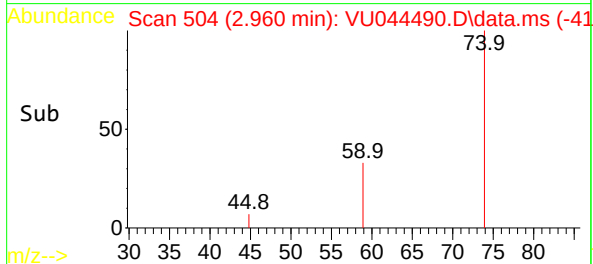
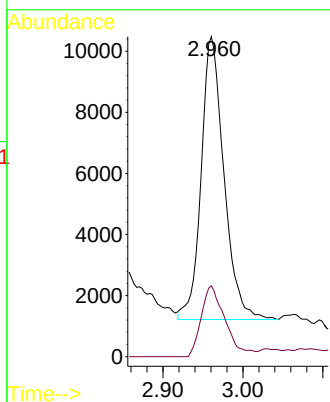
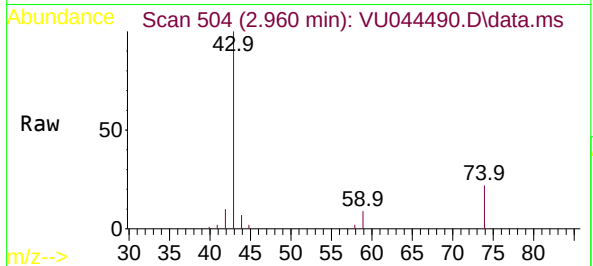




#15  
Methyl Acetate  
Concen: 5.339 ug/L  
RT: 2.960 min Scan# 504  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

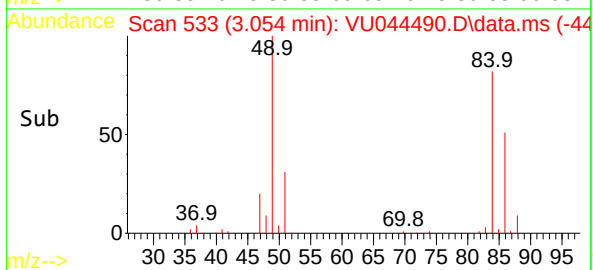
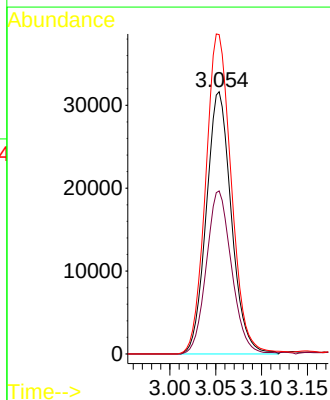
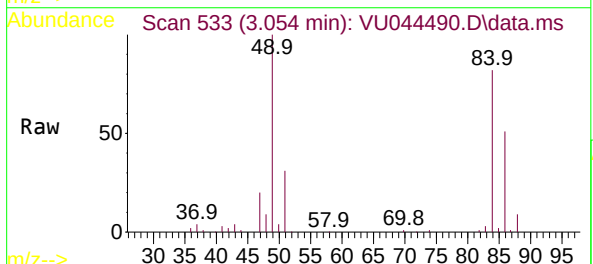
Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD005092

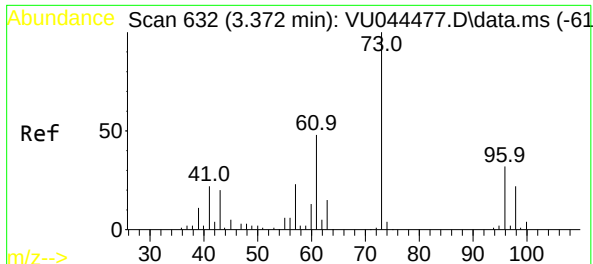
Tgt Ion: 43 Resp: 18413  
Ion Ratio Lower Upper  
43 100  
74 26.4 19.0 28.4



#16  
Methylene chloride  
Concen: 4.640 ug/L  
RT: 3.054 min Scan# 533  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 84 Resp: 60232  
Ion Ratio Lower Upper  
84 100  
86 62.2 45.2 84.0  
49 121.8 88.8 165.0



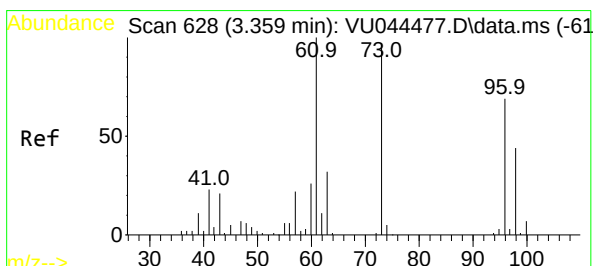
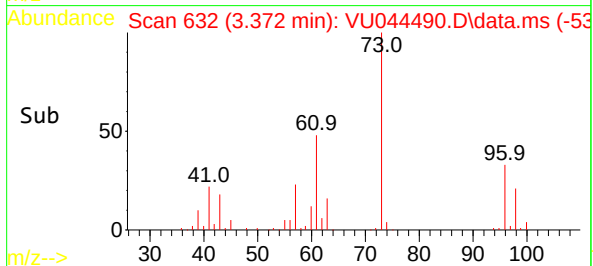
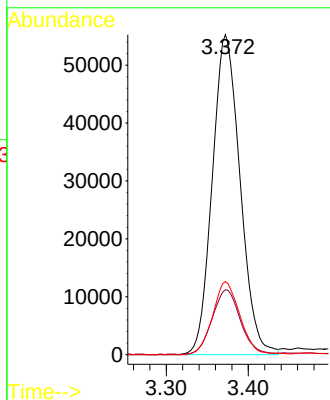
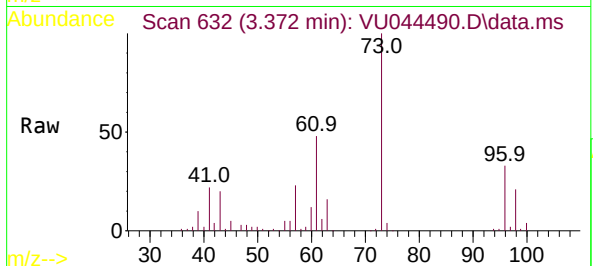


#17

Methyl tert-butyl Ether  
Concen: 5.765 ug/L  
RT: 3.372 min Scan# 632  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

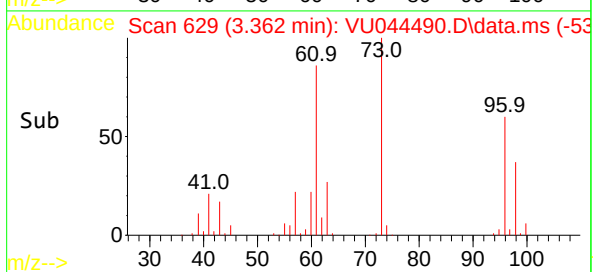
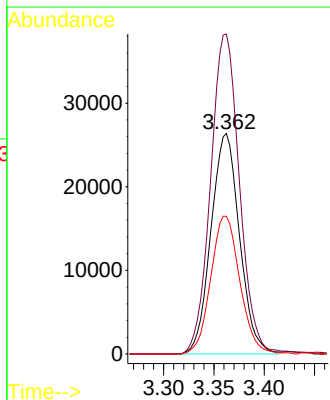
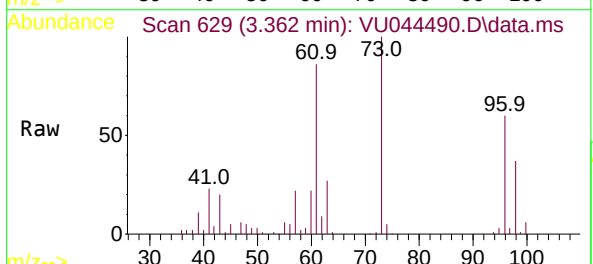
Tgt Ion: 73 Resp: 130271  
Ion Ratio Lower Upper  
73 100  
43 20.8 16.2 24.4  
57 22.2 17.8 26.8

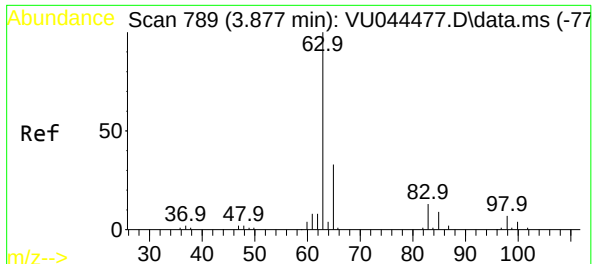


#18

trans-1,2-Dichloroethene  
Concen: 5.722 ug/L  
RT: 3.362 min Scan# 629  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 96 Resp: 52097  
Ion Ratio Lower Upper  
96 100  
61 145.2 103.7 192.5  
98 62.5 44.7 83.1





#19

1,1-Dichloroethane

Concen: 5.766 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU044490.D

Acq: 23 Aug 2021 09:33

Instrument :

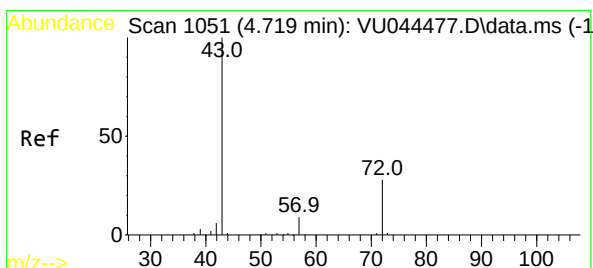
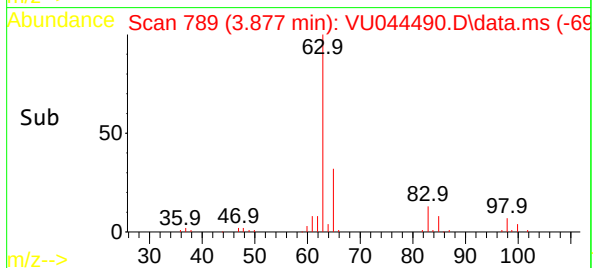
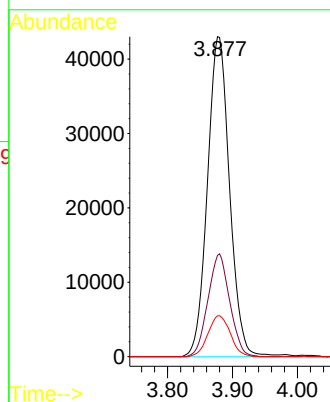
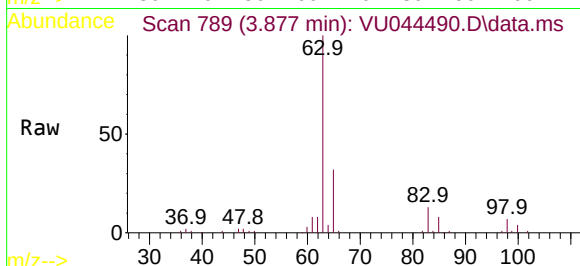
MSVOA\_U

ClientSampleId :

VSTD005092

Tgt Ion: 63 Resp: 101766

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 31.6  | 23.4  | 43.6  |
| 83  | 12.8  | 9.0   | 16.6  |



#21

2-Butanone

Concen: 39.771 ug/L

RT: 4.719 min Scan# 1051

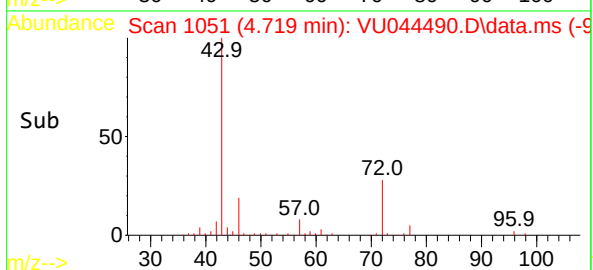
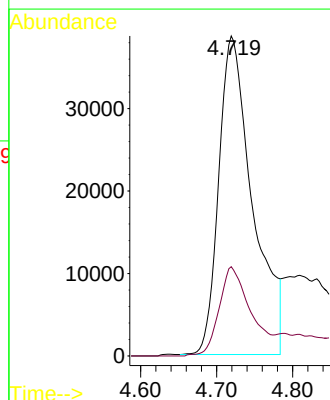
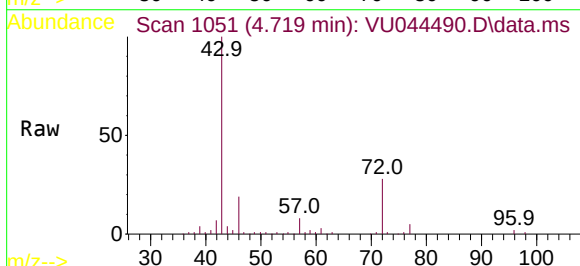
Delta R.T. -0.000 min

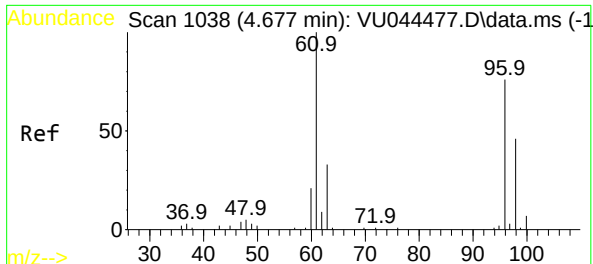
Lab File: VU044490.D

Acq: 23 Aug 2021 09:33

Tgt Ion: 43 Resp: 119681

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 26.1  | 14.1  | 42.4  |



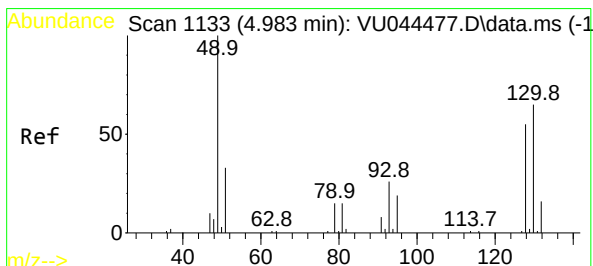
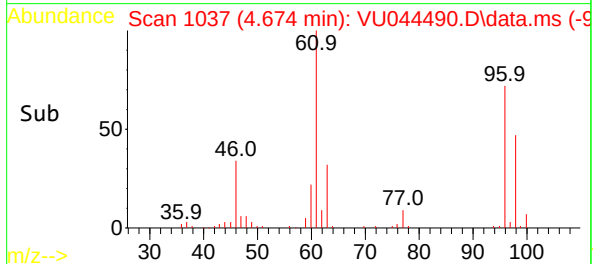
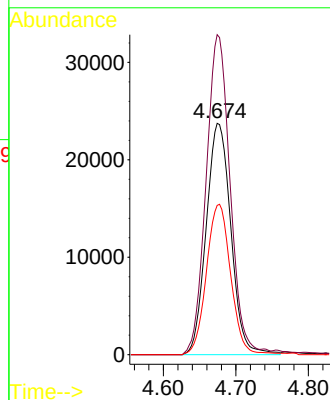
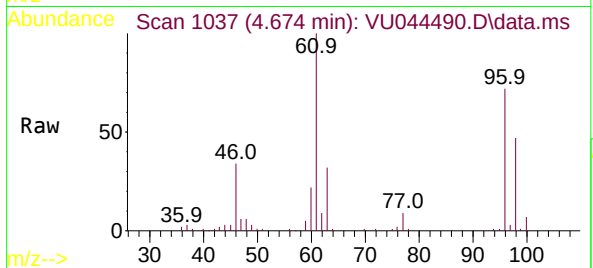


#22

cis-1,2-Dichloroethene  
Concen: 5.777 ug/L  
RT: 4.674 min Scan# 1037  
Delta R.T. -0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

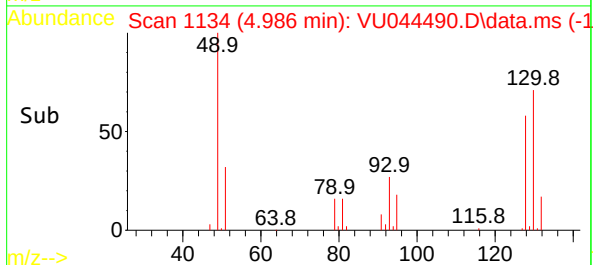
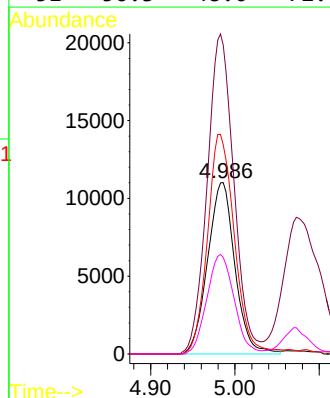
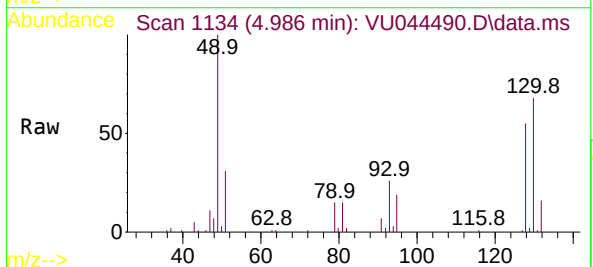
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 56235 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 138.3 | 93.9  | 174.5 |
| 98       | 64.5  | 44.7  | 83.1  |

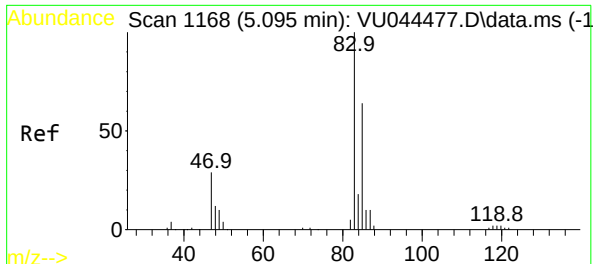


#23

Bromochloromethane  
Concen: 5.773 ug/L  
RT: 4.986 min Scan# 1134  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 24772 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 180.2 | 128.1 | 237.9 |
| 130      | 122.0 | 89.2  | 165.8 |
| 51       | 56.3  | 48.0  | 72.0  |



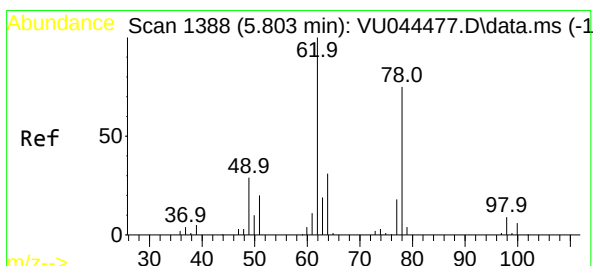
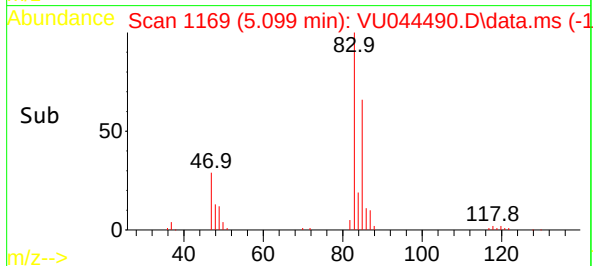
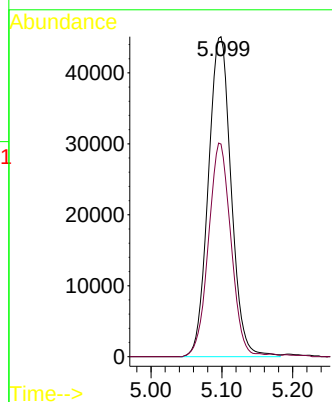
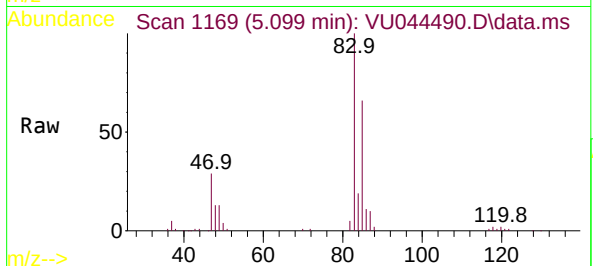


#25

Chloroform  
Concen: 5.578 ug/L  
RT: 5.099 min Scan# 1169  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD005092

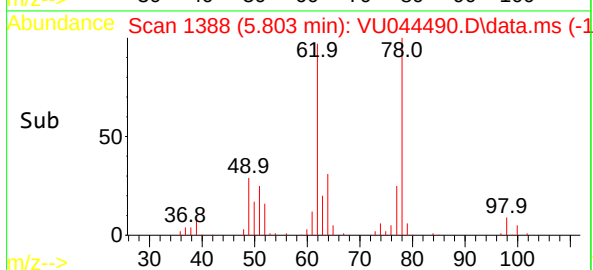
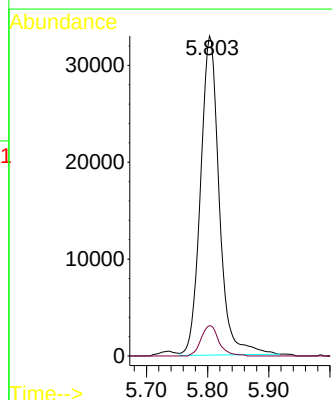
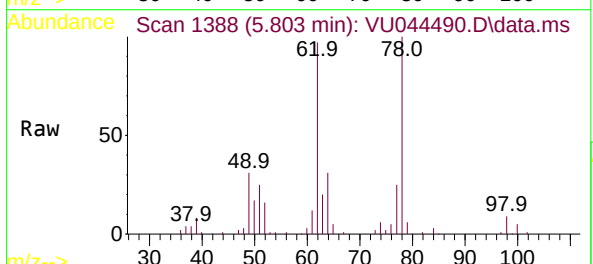
Tgt Ion: 83 Resp: 100996  
Ion Ratio Lower Upper  
83 100  
85 66.5 45.3 84.1

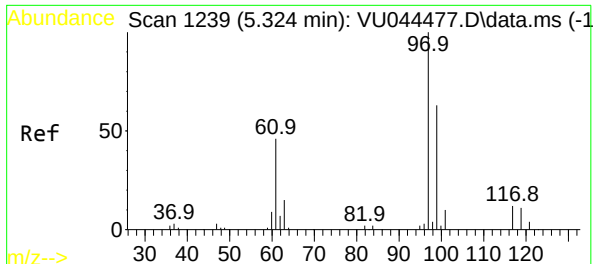


#27

1,2-Dichloroethane  
Concen: 5.803 ug/L  
RT: 5.803 min Scan# 1388  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 62 Resp: 70088  
Ion Ratio Lower Upper  
62 100  
98 9.5 8.0 12.0



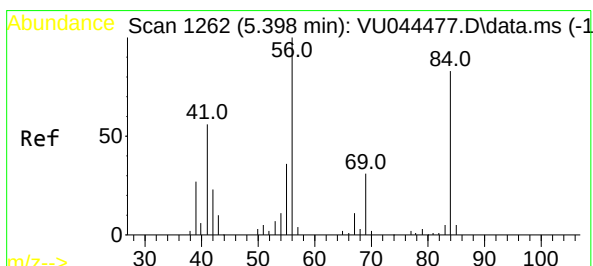
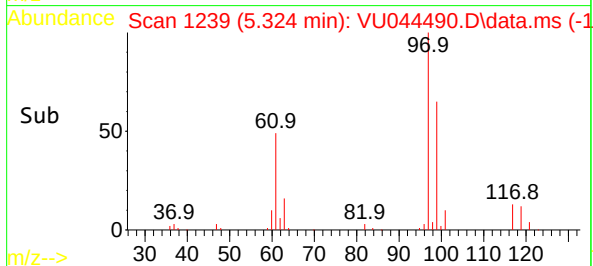
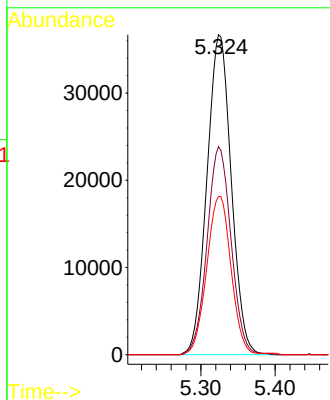
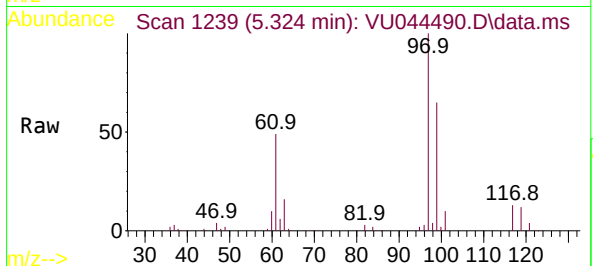


#29

1,1,1-Trichloroethane  
Concen: 5.787 ug/L  
RT: 5.324 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

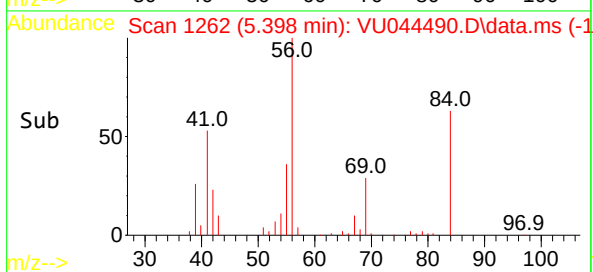
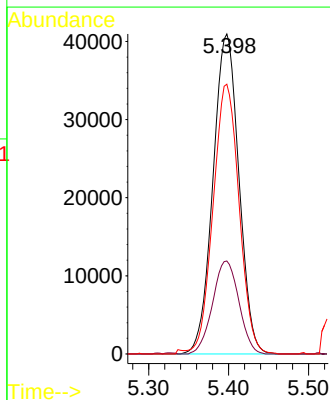
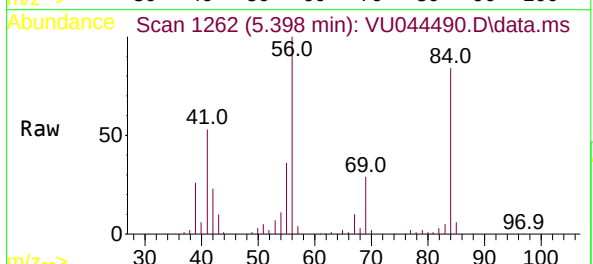
Tgt Ion: 97 Resp: 83600  
Ion Ratio Lower Upper  
97 100  
99 64.1 52.5 78.7  
61 49.3 39.2 58.8

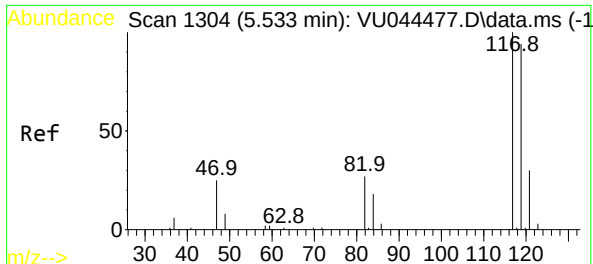


#30

Cyclohexane  
Concen: 5.765 ug/L  
RT: 5.398 min Scan# 1262  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 56 Resp: 92051  
Ion Ratio Lower Upper  
56 100  
69 29.5 24.3 36.5  
84 84.6 68.4 102.6

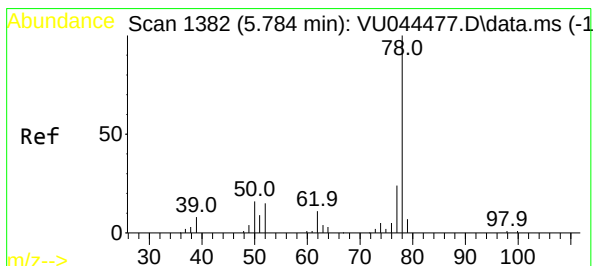
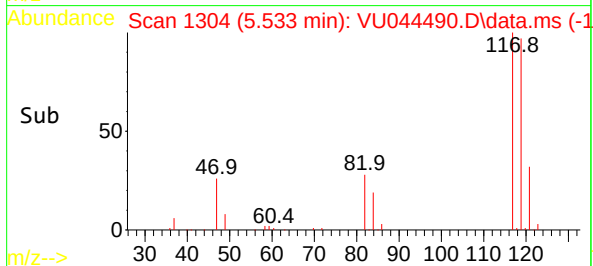
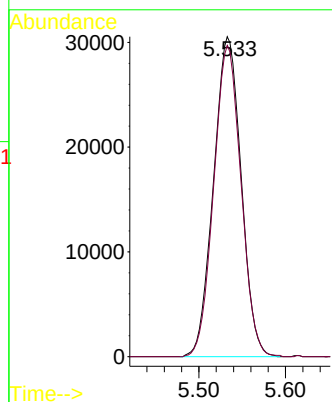
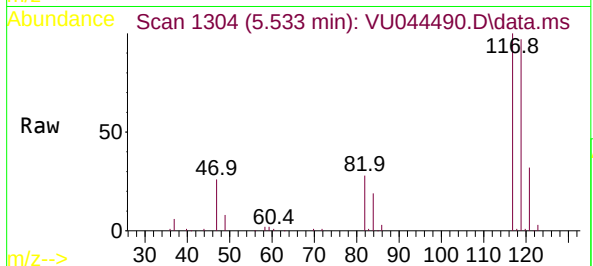




#31  
Carbon tetrachloride  
Concen: 5.692 ug/L  
RT: 5.533 min Scan# 1304  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

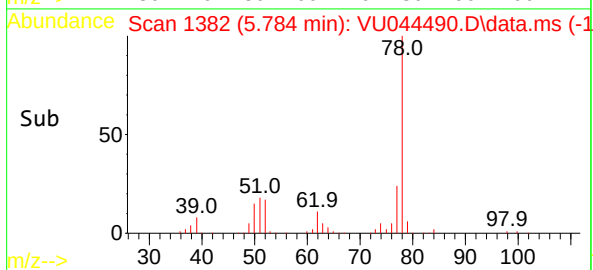
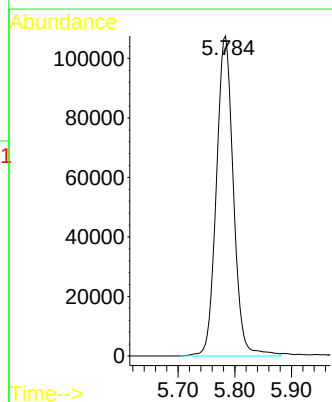
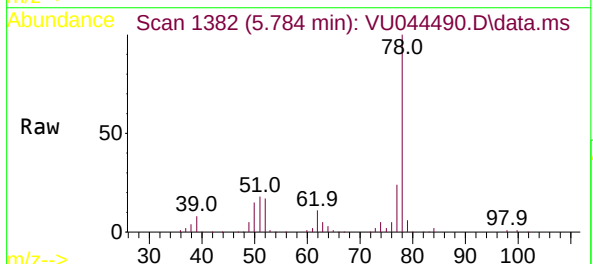
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

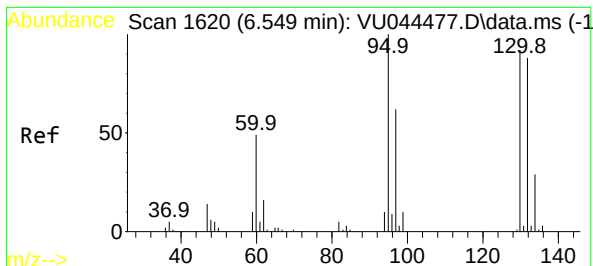
Tgt Ion:117 Resp: 67564  
Ion Ratio Lower Upper  
117 100  
119 96.0 76.6 114.8



#33  
Benzene  
Concen: 5.732 ug/L  
RT: 5.784 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 78 Resp: 224438

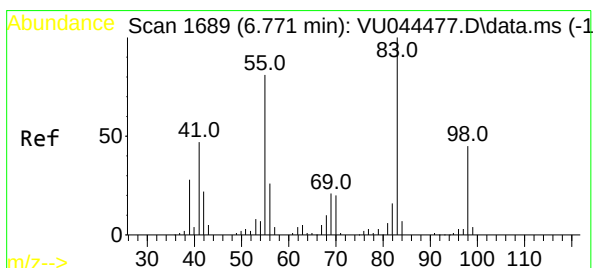
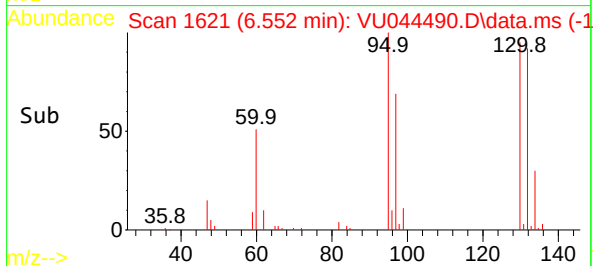
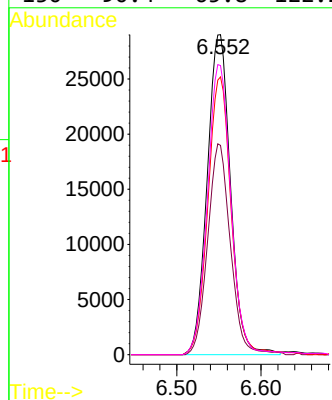
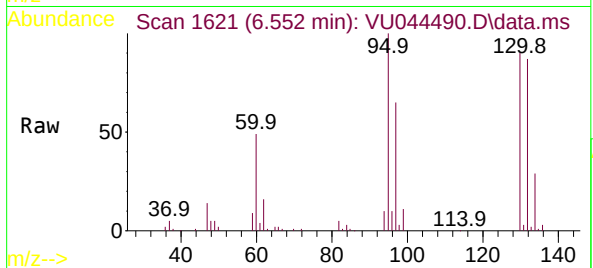




#34  
Trichloroethene  
Concen: 5.773 ug/L  
RT: 6.552 min Scan# 1621  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

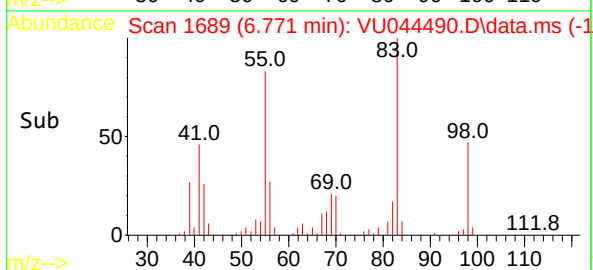
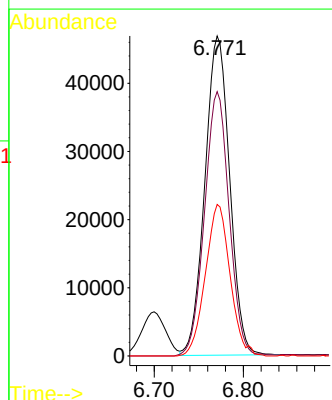
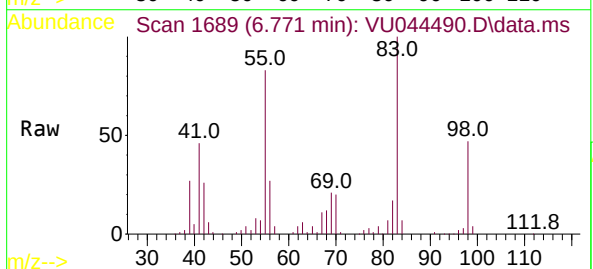
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

Tgt Ion: 95 Resp: 55885  
Ion Ratio Lower Upper  
95 100  
97 65.4 45.6 84.8  
132 86.8 63.4 117.8  
130 90.4 65.8 122.2

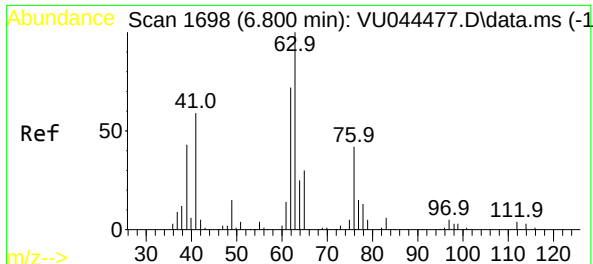


#35  
Methylcyclohexane  
Concen: 5.610 ug/L  
RT: 6.771 min Scan# 1689  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 83 Resp: 90576  
Ion Ratio Lower Upper  
83 100  
55 82.3 64.8 97.2  
98 47.2 37.5 56.3





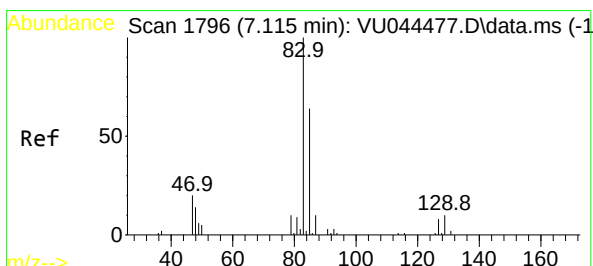
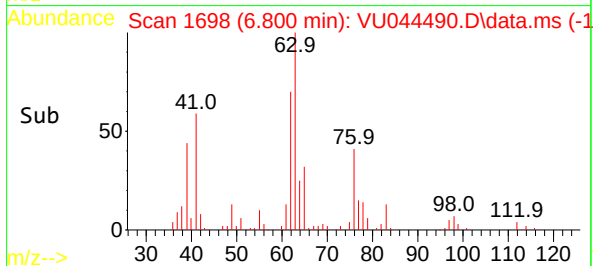
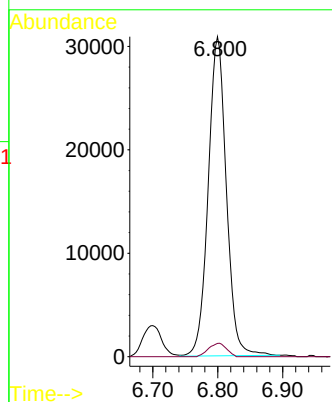
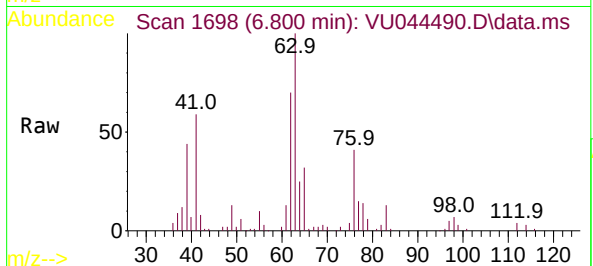


#37

1,2-Dichloropropane  
Concen: 5.841 ug/L  
RT: 6.800 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD005092

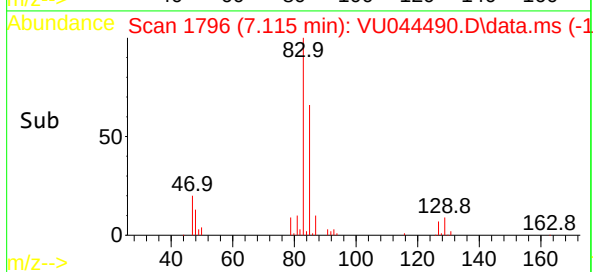
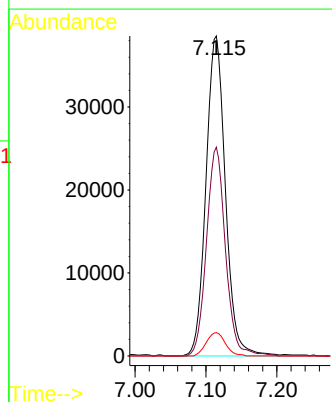
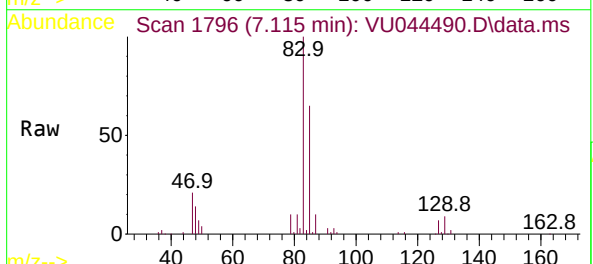
Tgt Ion: 63 Resp: 59890  
Ion Ratio Lower Upper  
63 100  
112 4.2 3.3 4.9

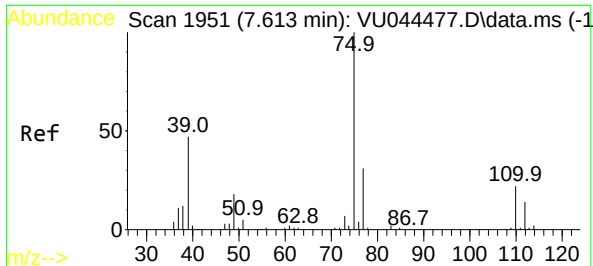


#38

Bromodichloromethane  
Concen: 5.839 ug/L  
RT: 7.115 min Scan# 1796  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 83 Resp: 73509  
Ion Ratio Lower Upper  
83 100  
85 65.3 44.6 82.8  
127 7.3 5.9 8.9



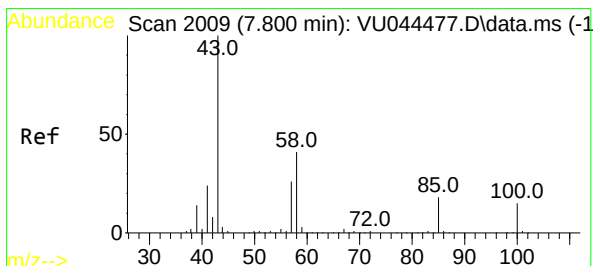
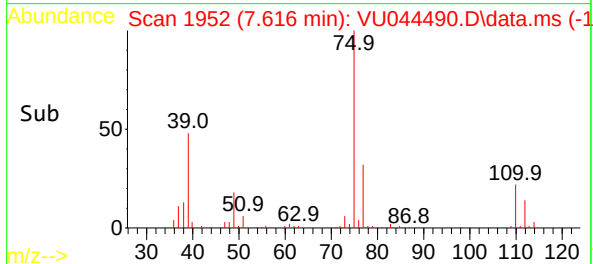
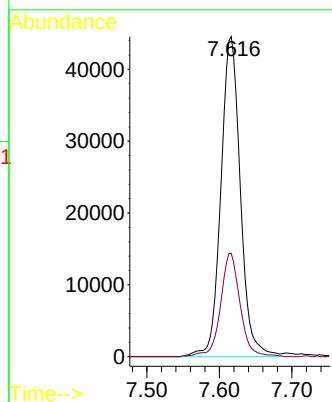
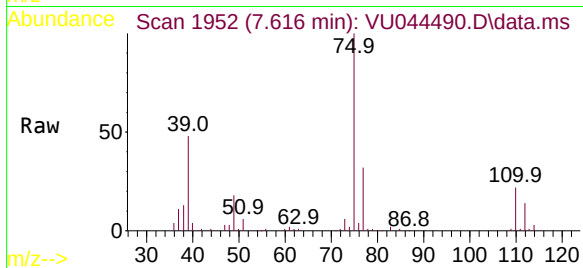


#39

cis-1,3-Dichloropropene  
Concen: 5.794 ug/L  
RT: 7.616 min Scan# 1952  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

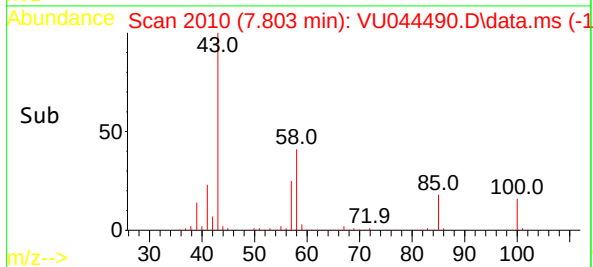
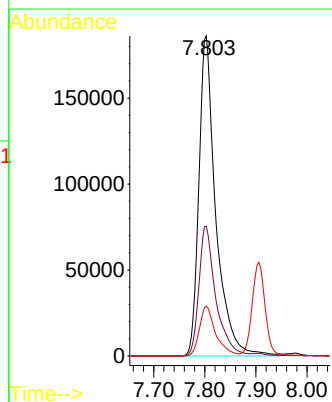
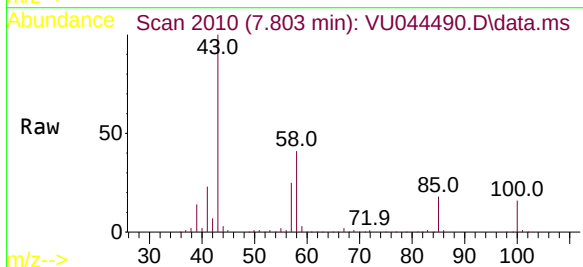
Tgt Ion: 75 Resp: 83318  
Ion Ratio Lower Upper  
75 100  
77 32.3 22.2 41.2

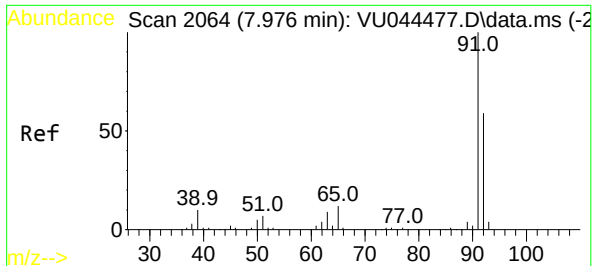


#40

4-Methyl-2-pentanone  
Concen: 61.469 ug/L  
RT: 7.803 min Scan# 2010  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 43 Resp: 427943  
Ion Ratio Lower Upper  
43 100  
58 40.3 32.5 48.7  
100 15.0 12.3 18.5

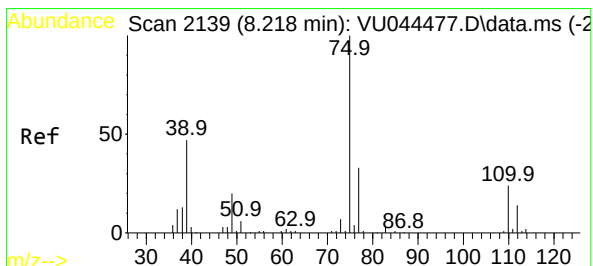
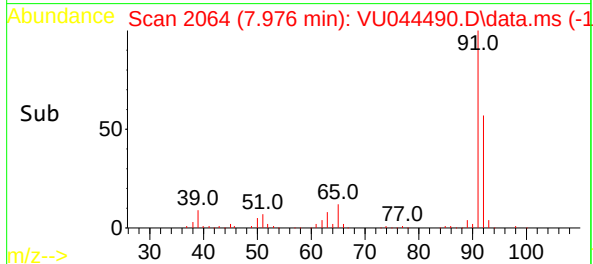
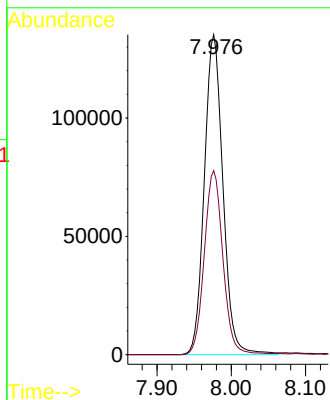
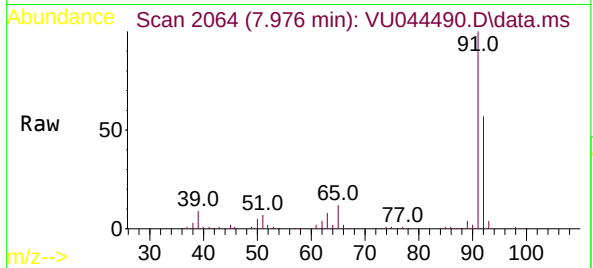




#42  
Toluene  
Concen: 5.768 ug/L  
RT: 7.976 min Scan# 2064  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

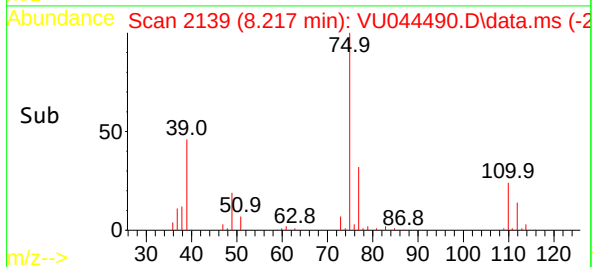
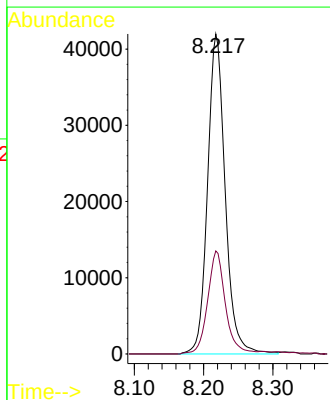
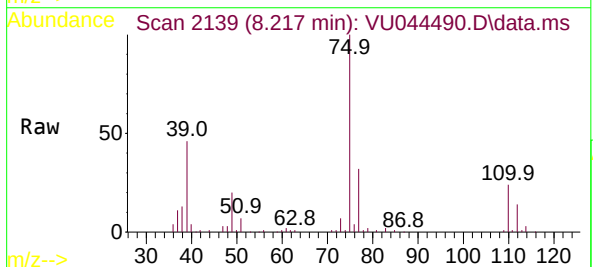
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

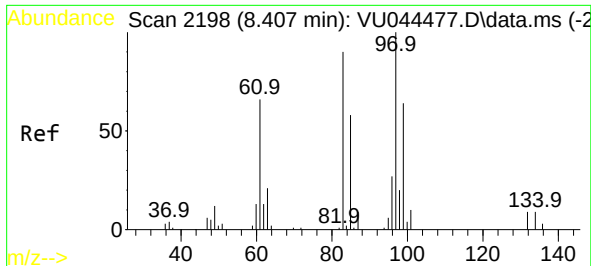
Tgt Ion: 91 Resp: 235277  
Ion Ratio Lower Upper  
91 100  
92 57.5 40.7 75.5



#44  
trans-1,3-Dichloropropene  
Concen: 6.068 ug/L  
RT: 8.217 min Scan# 2139  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 75 Resp: 73958  
Ion Ratio Lower Upper  
75 100  
77 32.2 21.6 40.2

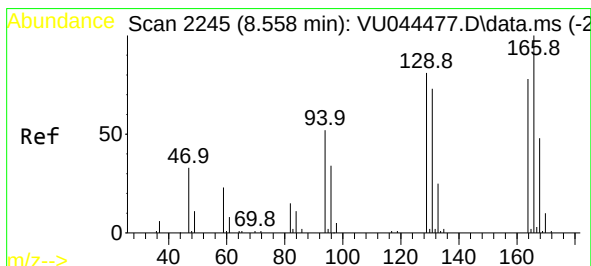
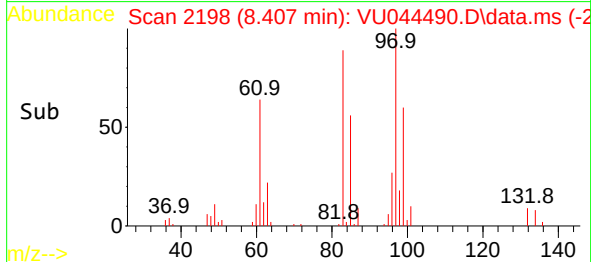
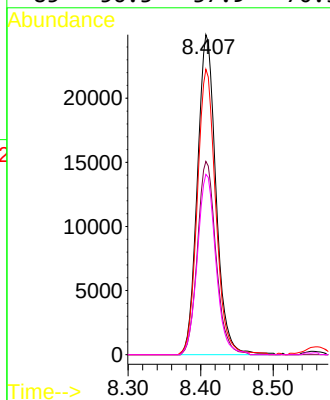
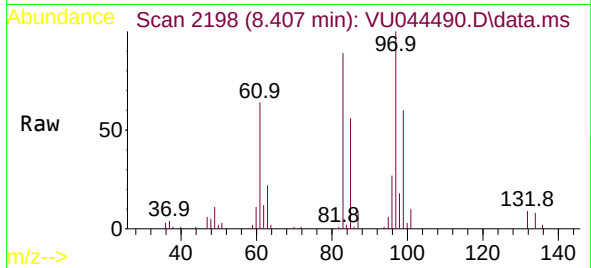




#45  
1,1,2-Trichloroethane  
Concen: 6.074 ug/L  
RT: 8.407 min Scan# 2198  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

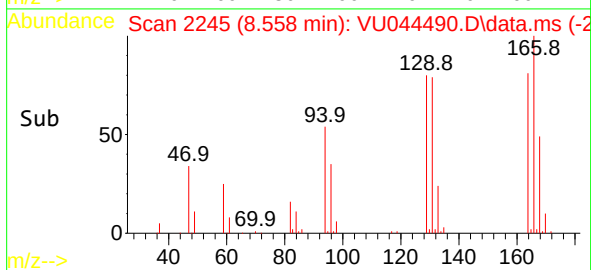
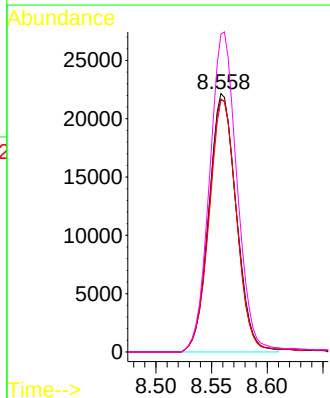
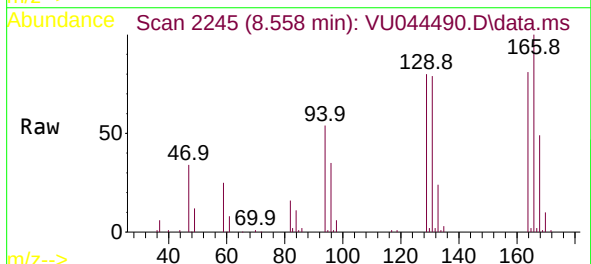
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

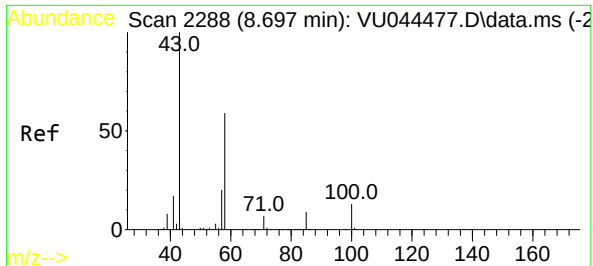
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 44412 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.4  | 41.3  | 76.7  |
| 83       | 89.2  | 58.6  | 108.8 |
| 85       | 56.3  | 37.9  | 70.5  |



#47  
Tetrachloroethene  
Concen: 5.644 ug/L  
RT: 8.558 min Scan# 2245  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 37783 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 97.9  | 71.0  | 131.8 |
| 131      | 97.4  | 68.0  | 126.4 |
| 166      | 123.1 | 89.0  | 165.4 |



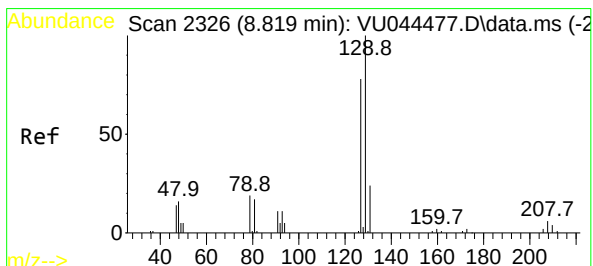
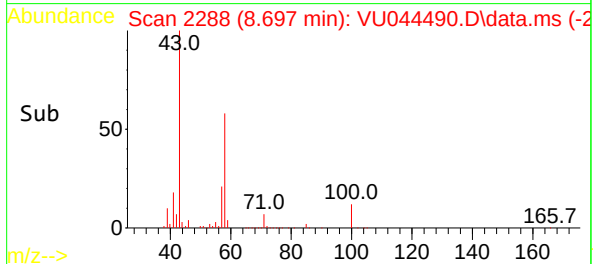
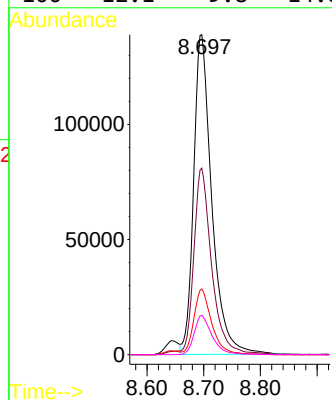
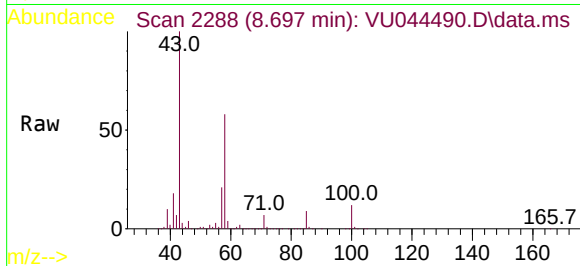


#48  
2-Hexanone  
Concen: 62.380 ug/L  
RT: 8.697 min Scan# 2288  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

Tgt Ion: 43 Resp: 309880

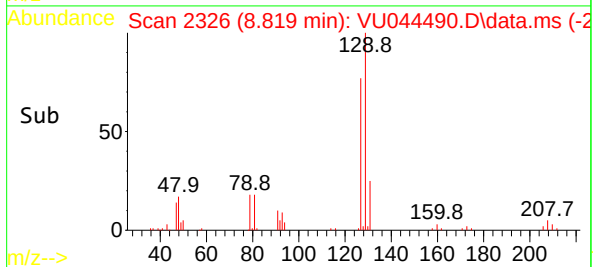
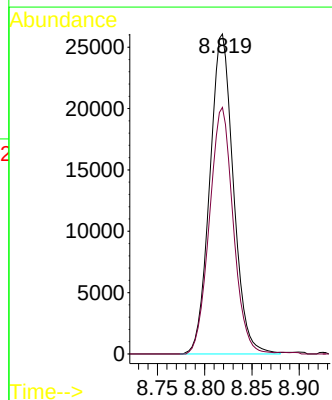
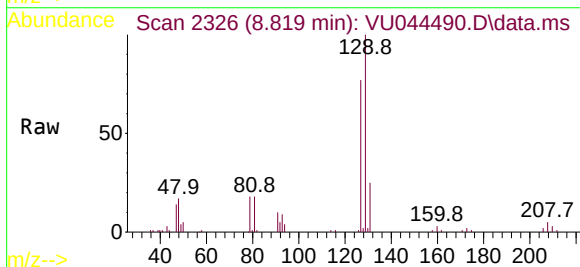
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 58.1  | 46.5  | 69.7  |
| 57  | 20.3  | 15.8  | 23.8  |
| 100 | 12.1  | 9.8   | 14.8  |

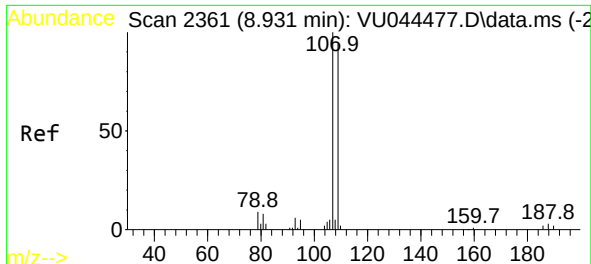


#49  
Dibromochloromethane  
Concen: 5.859 ug/L  
RT: 8.819 min Scan# 2326  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 129 Resp: 45336

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.1  | 54.7  | 101.7 |

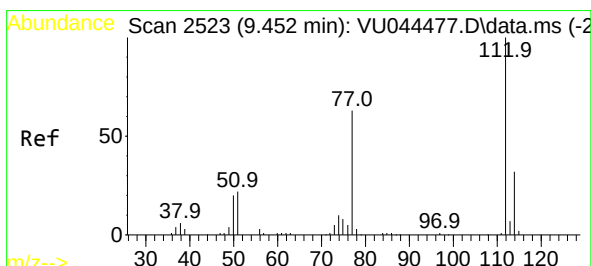
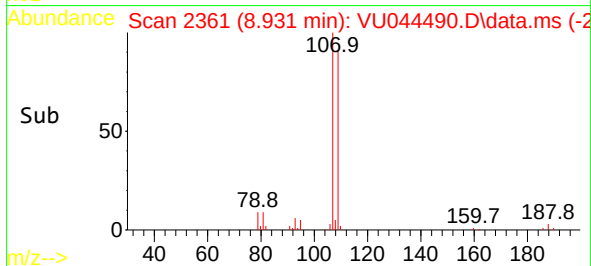
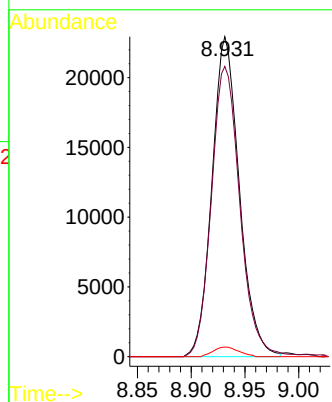
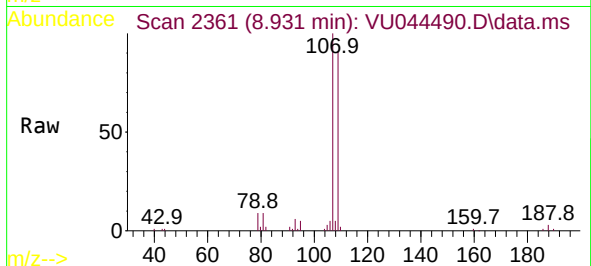




#50  
1,2-Dibromoethane  
Concen: 5.808 ug/L  
RT: 8.931 min Scan# 2361  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

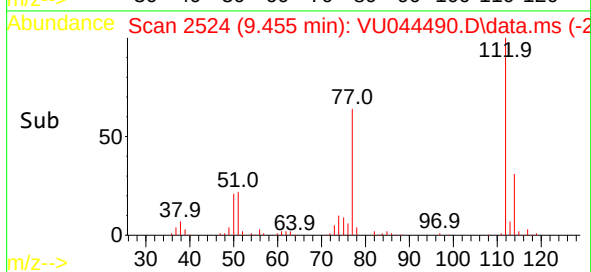
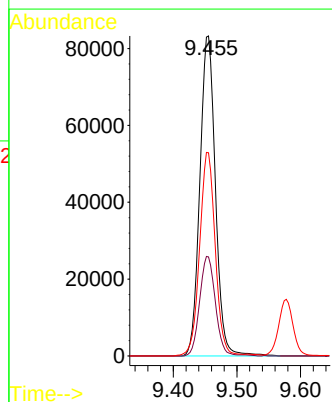
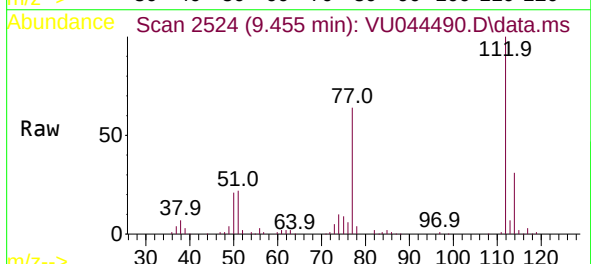
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

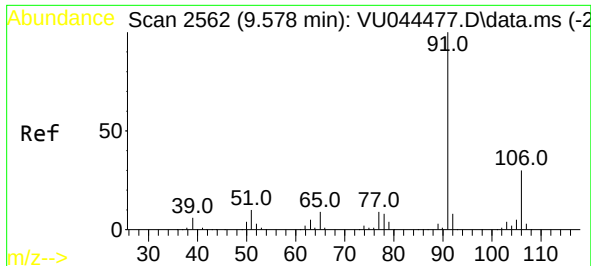
Tgt Ion:107 Resp: 40621  
Ion Ratio Lower Upper  
107 100  
109 90.7 65.2 121.0  
188 3.0 2.4 3.6



#51  
Chlorobenzene  
Concen: 5.665 ug/L  
RT: 9.455 min Scan# 2524  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion:112 Resp: 141809  
Ion Ratio Lower Upper  
112 100  
114 31.0 22.7 42.1  
77 63.5 51.3 76.9

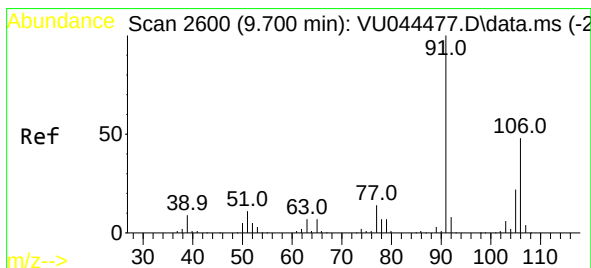
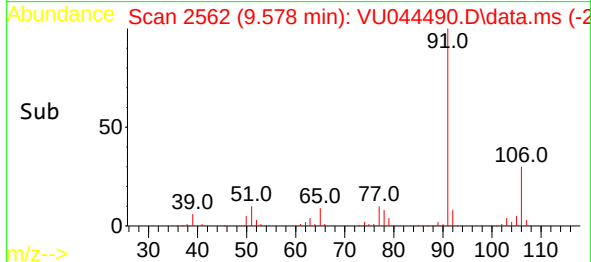
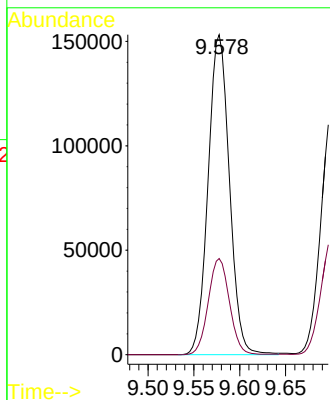
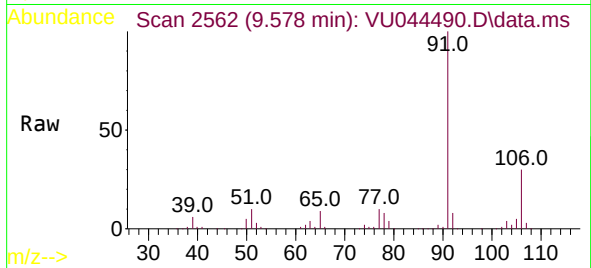




#52  
Ethylbenzene  
Concen: 5.739 ug/L  
RT: 9.578 min Scan# 2562  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

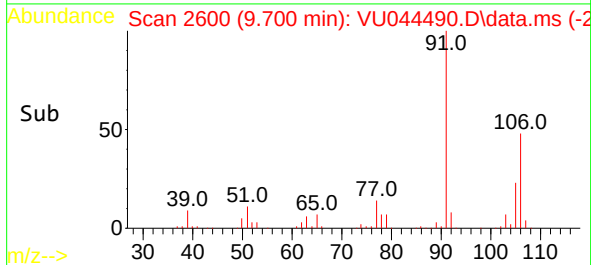
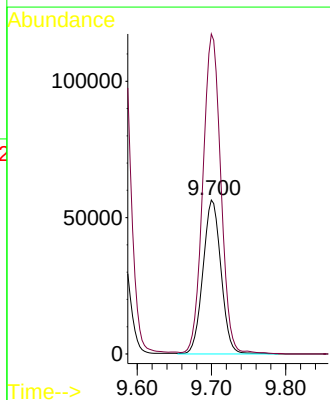
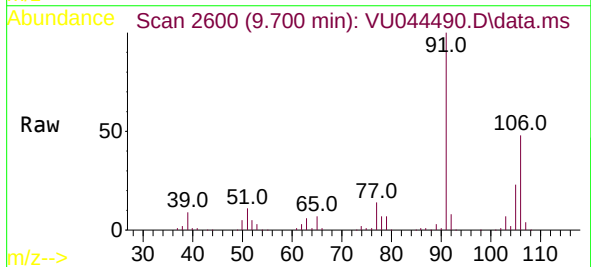
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

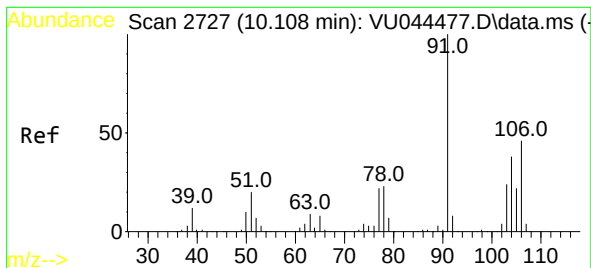
Tgt Ion: 91 Resp: 247289  
Ion Ratio Lower Upper  
91 100  
106 30.1 21.3 39.6



#53  
m,p-Xylene  
Concen: 5.876 ug/L  
RT: 9.700 min Scan# 2600  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 106 Resp: 95181  
Ion Ratio Lower Upper  
106 100  
91 208.0 146.2 271.6

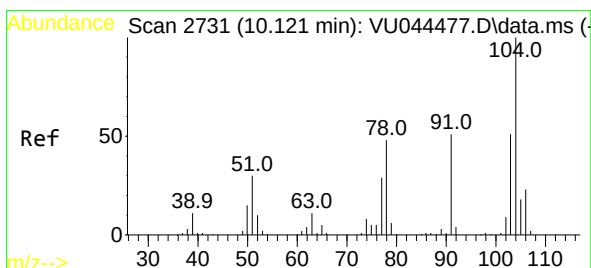
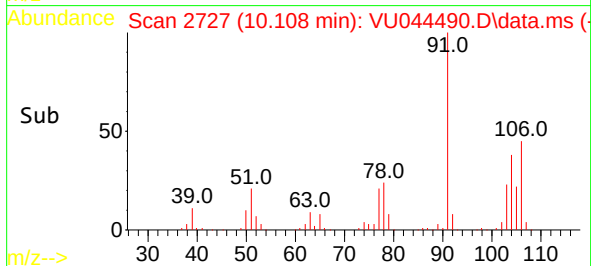
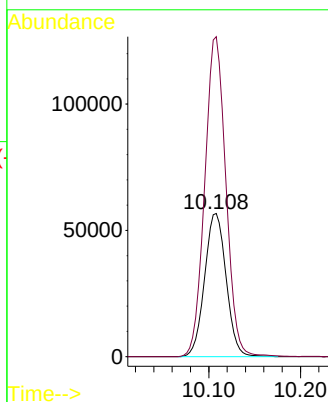
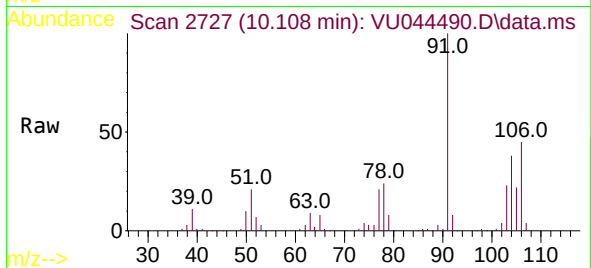




#54  
o-Xylene  
Concen: 5.866 ug/L  
RT: 10.108 min Scan# 2727  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

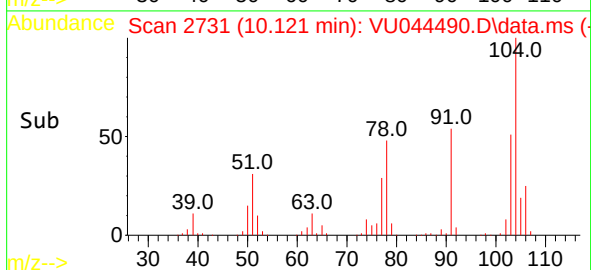
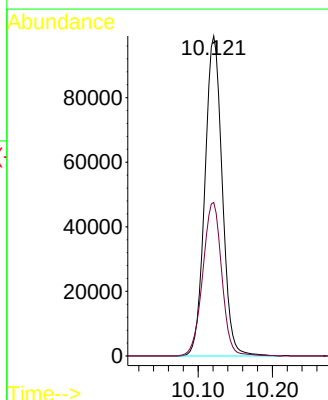
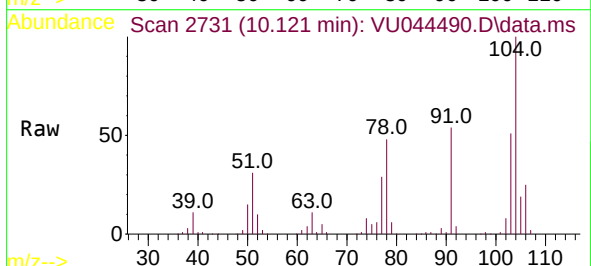
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

Tgt Ion:106 Resp: 92562  
Ion Ratio Lower Upper  
106 100  
91 223.3 154.4 286.8

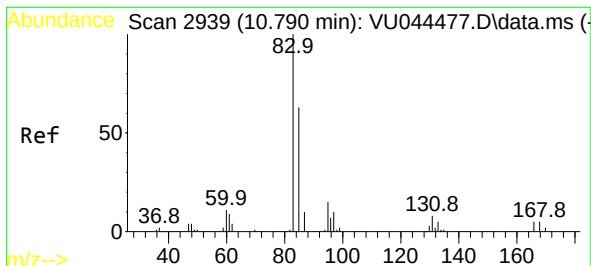


#55  
Styrene  
Concen: 6.211 ug/L  
RT: 10.121 min Scan# 2731  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion:104 Resp: 160679  
Ion Ratio Lower Upper  
104 100  
78 48.0 32.6 60.5





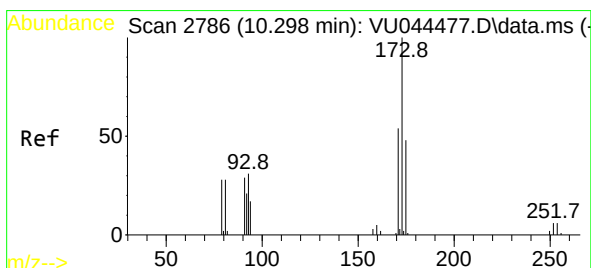
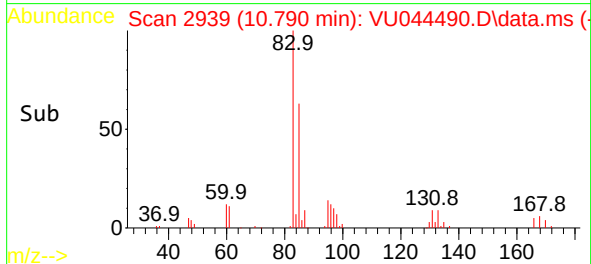
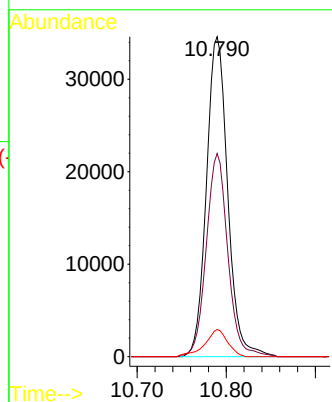
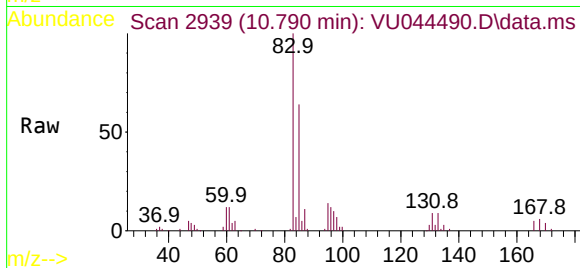


#57

1,1,2,2-Tetrachloroethane  
Concen: 5.950 ug/L  
RT: 10.790 min Scan# 2939  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

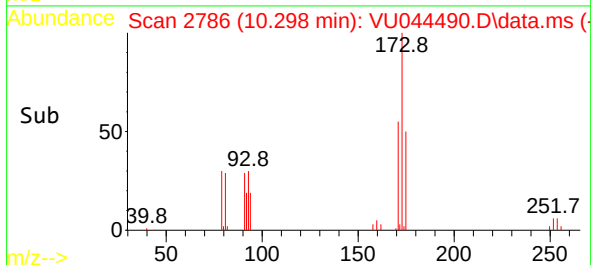
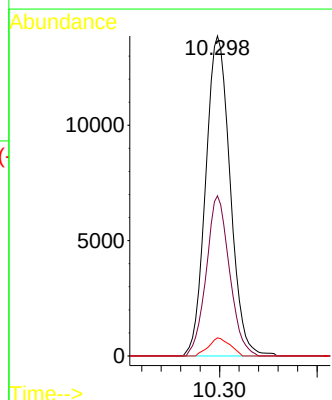
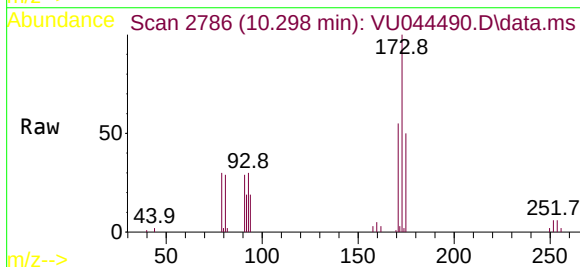
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 57282 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.5  | 44.2  | 82.2  |
| 131      | 8.5   | 6.9   | 10.3  |

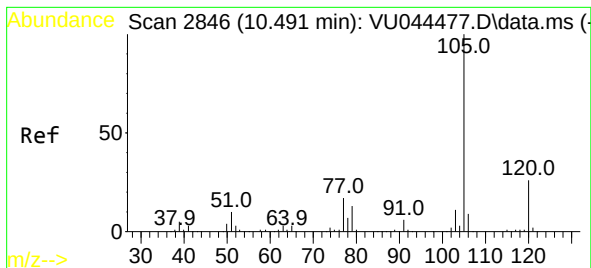


#59

Bromoform  
Concen: 5.838 ug/L  
RT: 10.298 min Scan# 2786  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 24119 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.6  | 38.0  | 57.0  |
| 254      | 5.0   | 4.3   | 6.5   |

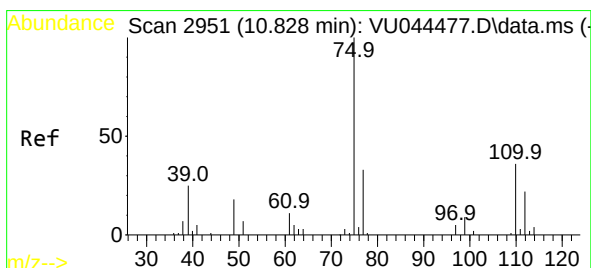
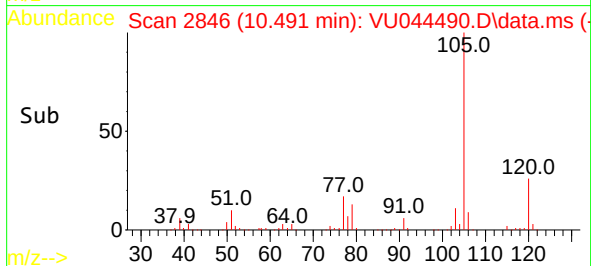
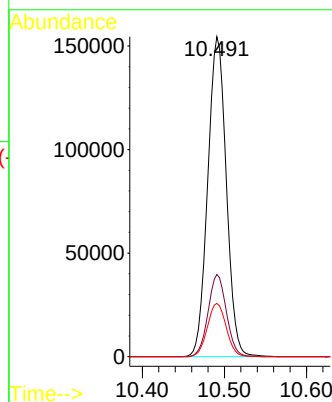
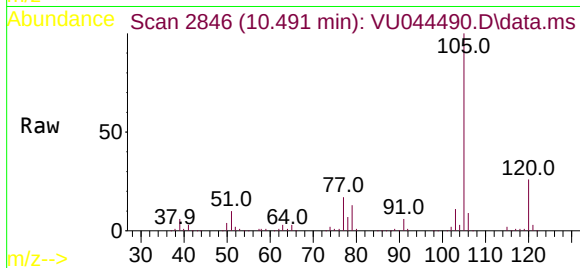




#60  
Isopropylbenzene  
Concen: 5.685 ug/L  
RT: 10.491 min Scan# 2846  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

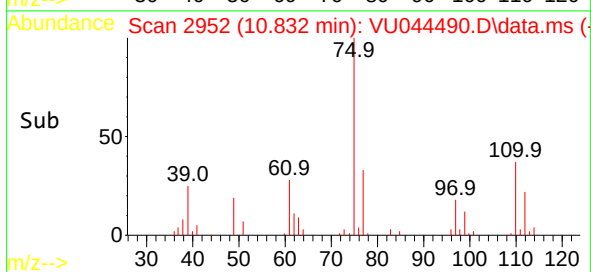
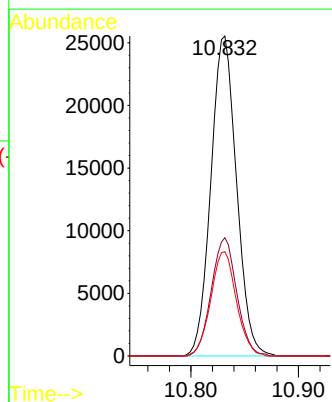
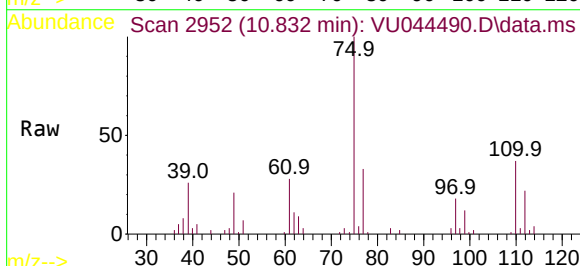
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

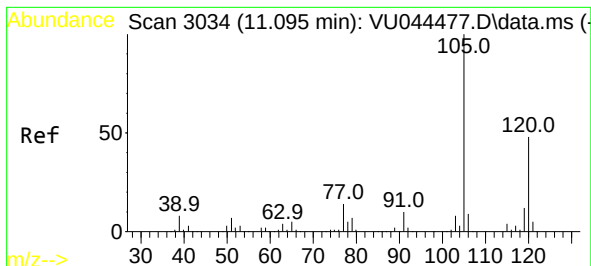
Tgt Ion:105 Resp: 242592  
Ion Ratio Lower Upper  
105 100  
120 25.4 20.1 30.1  
77 16.9 13.4 20.0



#61  
1,2,3-Trichloropropane  
Concen: 5.787 ug/L  
RT: 10.832 min Scan# 2952  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 75 Resp: 42289  
Ion Ratio Lower Upper  
75 100  
110 36.6 28.4 42.6  
77 32.6 26.5 39.7

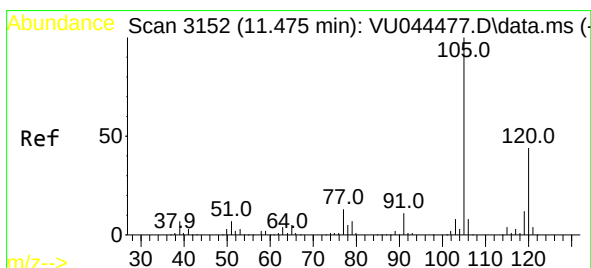
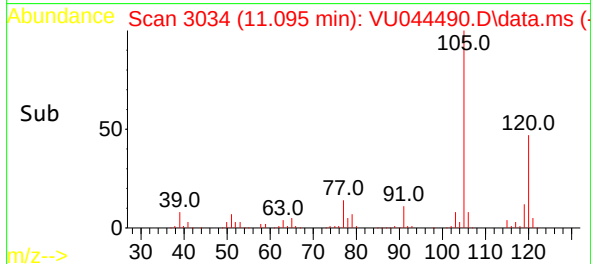
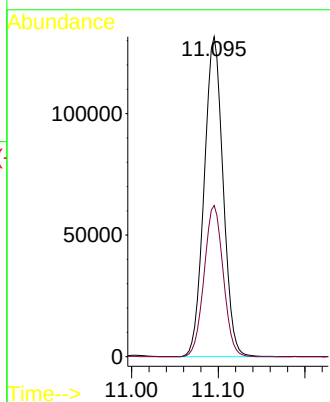
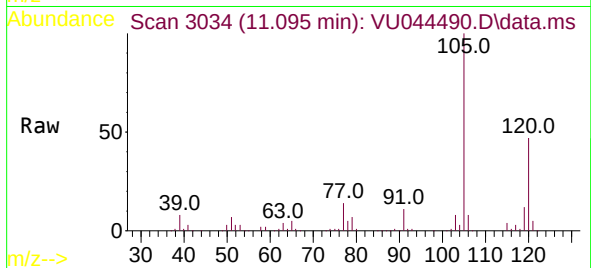




#62  
1,3,5-Trimethylbenzene  
Concen: 5.723 ug/L  
RT: 11.095 min Scan# 3034  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

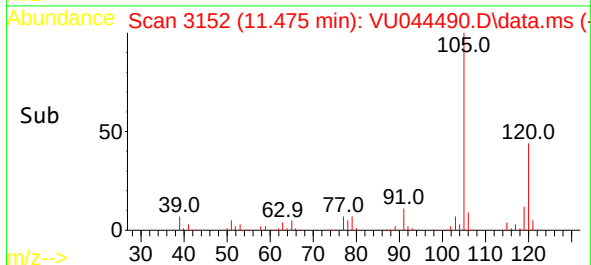
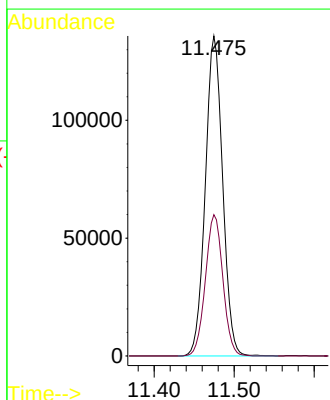
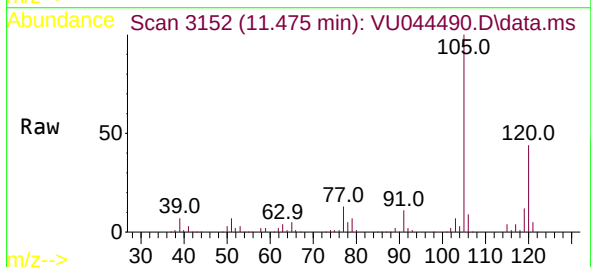
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

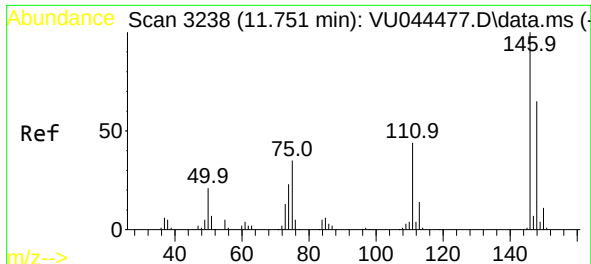
Tgt Ion:105 Resp: 199701  
Ion Ratio Lower Upper  
105 100  
120 47.7 37.8 56.6



#63  
1,2,4-Trimethylbenzene  
Concen: 5.722 ug/L  
RT: 11.475 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion:105 Resp: 204763  
Ion Ratio Lower Upper  
105 100  
120 44.5 35.2 52.8

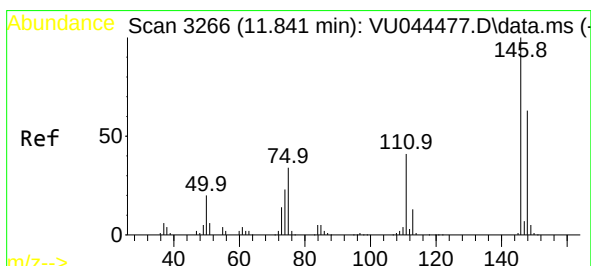
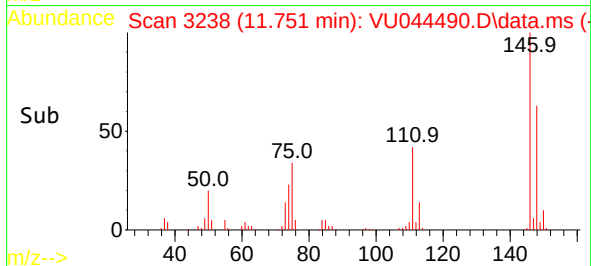
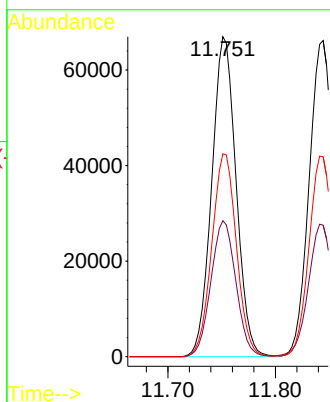
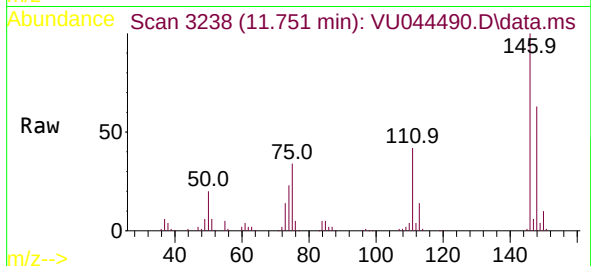




#64  
1,3-Dichlorobenzene  
Concen: 5.618 ug/L  
RT: 11.751 min Scan# 3238  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

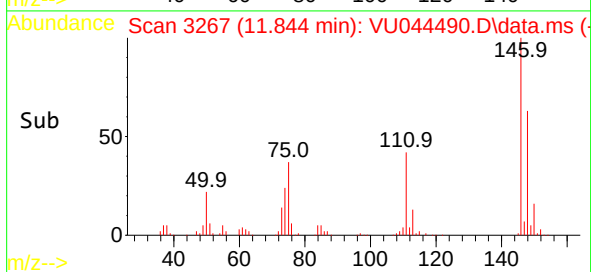
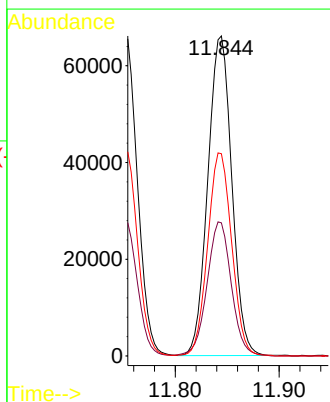
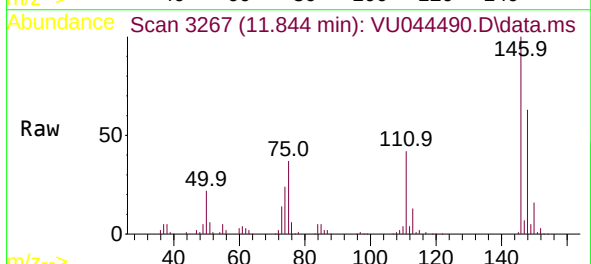
Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD005092

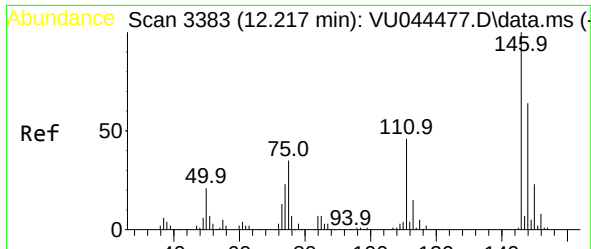
Tgt Ion:146 Resp: 105288  
Ion Ratio Lower Upper  
146 100  
111 42.5 29.6 55.0  
148 63.4 44.7 83.1



#65  
1,4-Dichlorobenzene  
Concen: 5.582 ug/L  
RT: 11.844 min Scan# 3267  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion:146 Resp: 105684  
Ion Ratio Lower Upper  
146 100  
111 41.6 28.8 53.4  
148 63.2 43.6 81.0

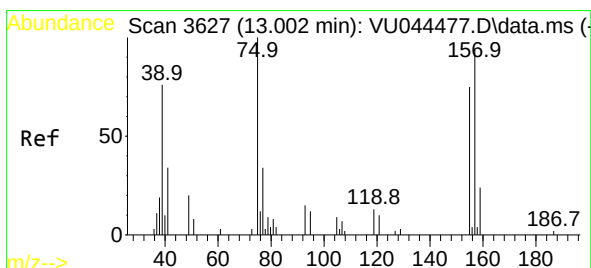
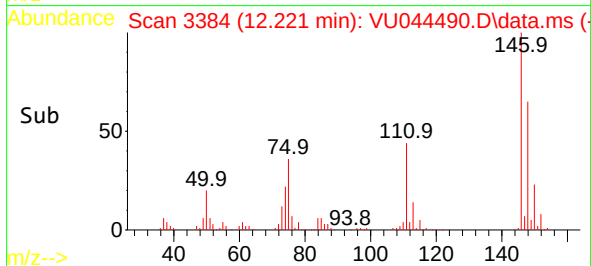
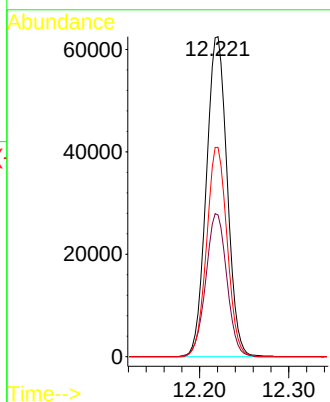
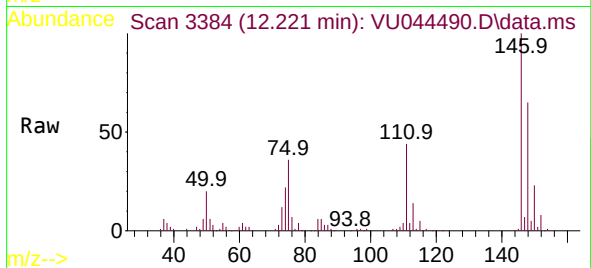




#67  
1,2-Dichlorobenzene  
Concen: 5.687 ug/L  
RT: 12.221 min Scan# 3384  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

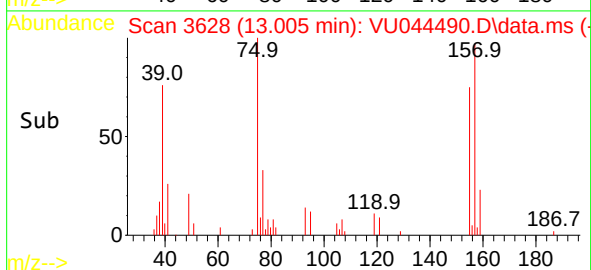
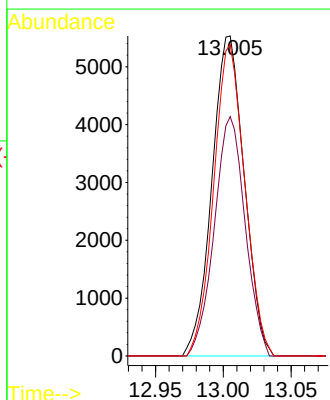
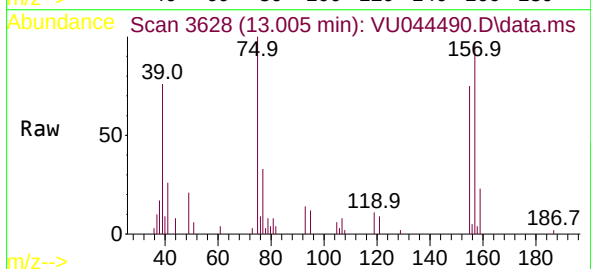
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

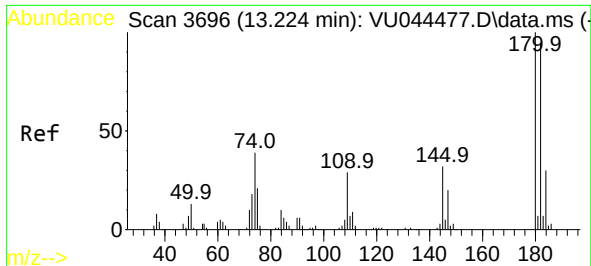
Tgt Ion:146 Resp: 101564  
Ion Ratio Lower Upper  
146 100  
111 44.3 34.9 52.3  
148 65.4 49.3 73.9



#68  
1,2-Dibromo-3-chloropropane  
Concen: 6.139 ug/L  
RT: 13.005 min Scan# 3628  
Delta R.T. 0.003 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion: 75 Resp: 9176  
Ion Ratio Lower Upper  
75 100  
155 74.8 61.2 91.8  
157 97.3 74.2 111.2

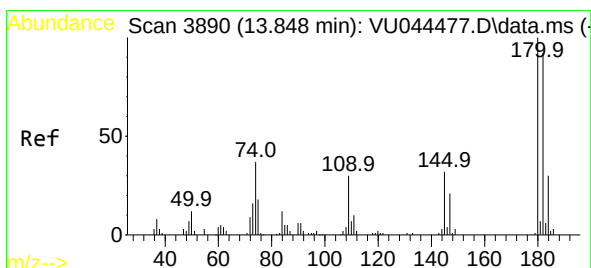
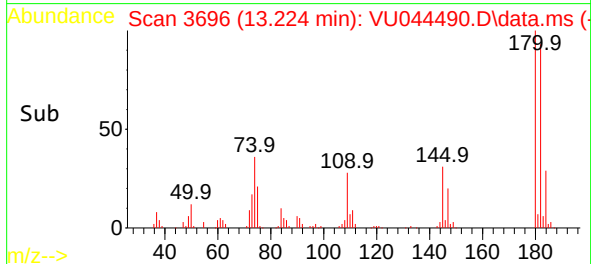
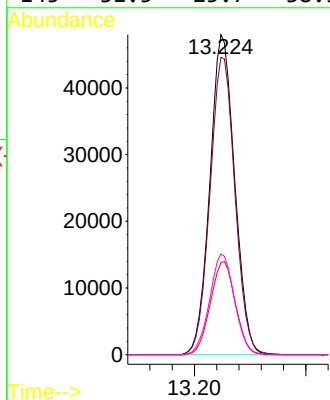
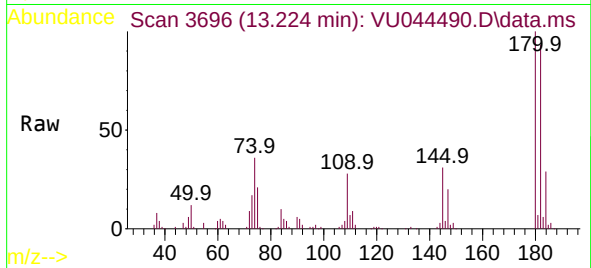




#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.605 ug/L  
 RT: 13.224 min Scan# 3696  
 Delta R.T. -0.000 min  
 Lab File: VU044490.D  
 Acq: 23 Aug 2021 09:33

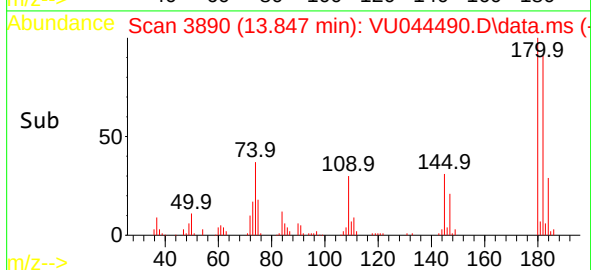
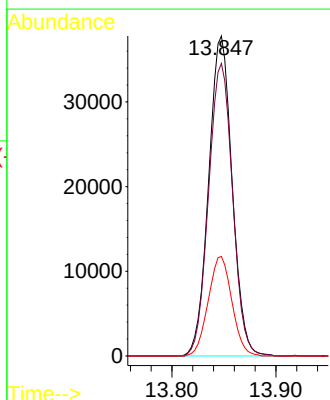
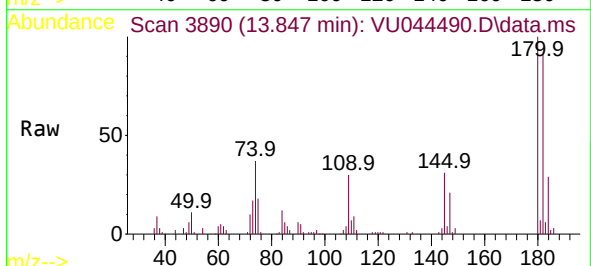
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005092

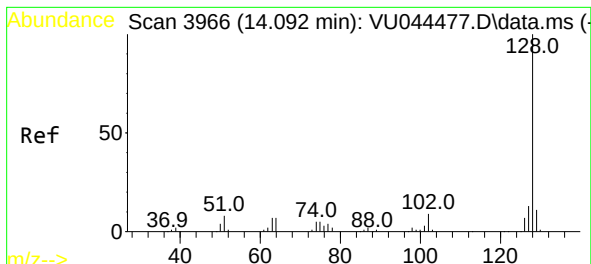
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 73952 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.7  | 75.0  | 112.6 |
| 184       | 29.4  | 24.3  | 36.5  |
| 145       | 31.5  | 25.7  | 38.5  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.738 ug/L  
 RT: 13.847 min Scan# 3890  
 Delta R.T. -0.000 min  
 Lab File: VU044490.D  
 Acq: 23 Aug 2021 09:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 59333 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.2  | 76.0  | 114.0 |
| 145       | 31.3  | 26.3  | 39.5  |

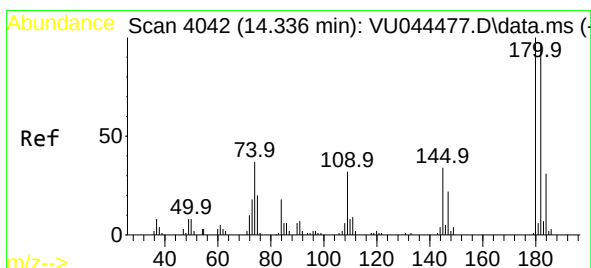
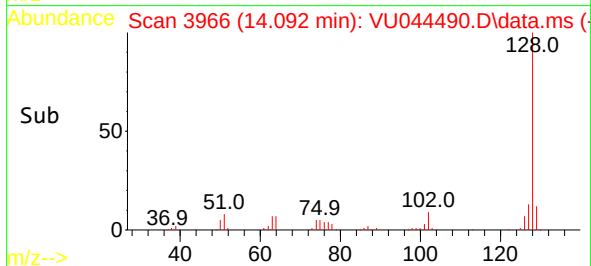
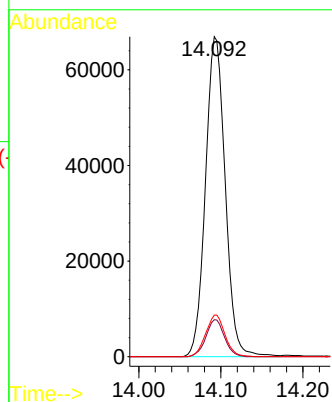
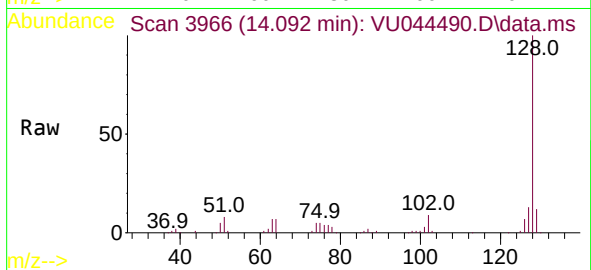




#71  
Naphthalene  
Concen: 5.678 ug/L  
RT: 14.092 min Scan# 3966  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005092

Tgt Ion:128 Resp: 111942  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 12.8  
127 12.7 10.4 15.6



#72  
1,2,3-Trichlorobenzene  
Concen: 5.796 ug/L  
RT: 14.336 min Scan# 4042  
Delta R.T. -0.000 min  
Lab File: VU044490.D  
Acq: 23 Aug 2021 09:33

Tgt Ion:180 Resp: 54876  
Ion Ratio Lower Upper  
180 100  
182 93.4 76.4 114.6  
145 34.4 27.1 40.7

