

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051921\  
 Data File : VU043819.D  
 Acq On : 19 May 2021 11:01  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050148

Quant Time: May 20 03:25:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051421WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 14 04:42:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.256   | 114   | 487806   | 50.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423   | 117   | 472153   | 50.00    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819  | 152   | 263200   | 50.00    | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 159701   | 39.54    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 79.08%   |
| 7) Chloroethane-d5            | 1.912   | 69    | 116749   | 40.20    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 80.40%   |
| 11) 1,1-Dichloroethene-d2     | 2.575   | 63    | 297395   | 43.25    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.50%   |
| 21) 2-Butanone-d5             | 4.629   | 46    | 278243   | 88.07    | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 88.07%   |
| 24) Chloroform-d              | 5.073   | 84    | 312076   | 45.54    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.08%   |
| 26) 1,2-Dichloroethane-d4     | 5.710   | 65    | 189699   | 44.65    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.30%   |
| 32) Benzene-d6                | 5.735   | 84    | 644196   | 46.04    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.08%   |
| 36) 1,2-Dichloropropane-d6    | 6.700   | 67    | 207293   | 45.42    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 90.84%   |
| 41) Toluene-d8                | 7.906   | 98    | 604596   | 48.02    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.04%   |
| 43) trans-1,3-Dichloroprop... | 8.185   | 79    | 93448    | 46.83    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.66%   |
| 47) 2-Hexanone-d5             | 8.639   | 63    | 201022   | 91.98    | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 91.98%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764  | 84    | 312004   | 45.17    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 90.34%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.201  | 152   | 247655   | 47.68    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.36%   |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388   | 85    | 189408   | 46.13    | ug/L   | 100      |
| 3) Chloromethane              | 1.520   | 50    | 202499   | 40.79    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.607   | 62    | 208988   | 43.31    | ug/L   | 100      |
| 6) Bromomethane               | 1.851   | 94    | 118251   | 50.25    | ug/L   | 97       |
| 8) Chloroethane               | 1.935   | 64    | 114779   | 42.01    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.141   | 101   | 247974   | 45.45    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584   | 101   | 176472   | 49.43    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.584   | 96    | 167191   | 47.48    | ug/L   | 95       |
| 13) Acetone                   | 2.629   | 43    | 265471   | 120.35   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.800   | 76    | 509125   | 45.79    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.954   | 43    | 215891   | 43.13    | ug/L   | 97       |
| 16) Methylene chloride        | 3.051   | 84    | 195433   | 37.06    | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 3.359   | 96    | 173676   | 47.68    | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.372   | 73    | 517796   | 46.86    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.877   | 63    | 322930   | 45.34    | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.674   | 96    | 193805   | 48.29    | ug/L   | 93       |
| 22) 2-Butanone                | 4.710   | 43    | 348327   | 95.93    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.983   | 128   | 104950   | 48.18    | ug/L   | 90       |
| 25) Chloroform                | 5.096   | 83    | 327777   | 47.00    | ug/L   | 100      |

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 Data File : VU043819.D  
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 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

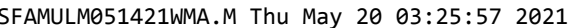
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050148

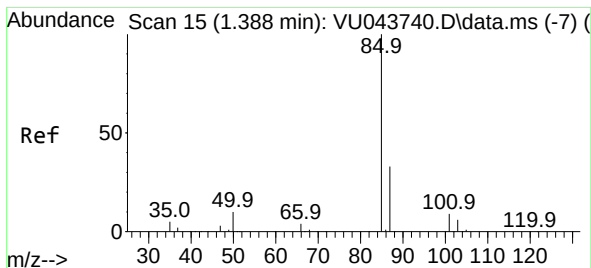
Quant Time: May 20 03:25:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051421WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 14 04:42:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 242036   | 45.02 | ug/L   | 97       |
| 29) Cyclohexane               | 5.398  | 56   | 293930   | 46.77 | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 5.327  | 97   | 269832   | 47.41 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 227118   | 48.60 | ug/L   | 99       |
| 33) Benzene                   | 5.784  | 78   | 747373   | 46.82 | ug/L   | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 183153   | 47.17 | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.771  | 83   | 307127   | 50.04 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 197363   | 45.28 | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.115  | 83   | 238687   | 46.25 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 286545   | 48.13 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.800  | 43   | 570444   | 86.95 | ug/L   | 97       |
| 42) Toluene                   | 7.976  | 91   | 811436   | 48.64 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 272521   | 48.67 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 187383   | 46.67 | ug/L   | 99       |
| 46) Tetrachloroethene         | 8.562  | 164  | 157791   | 51.66 | ug/L   | 98       |
| 48) 2-Hexanone                | 8.690  | 43   | 471303   | 89.46 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.819  | 129  | 199723   | 48.49 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 201410   | 48.28 | ug/L   | 100      |
| 51) Chlorobenzene             | 9.455  | 112  | 497008   | 48.10 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.578  | 91   | 843356   | 48.97 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.700  | 106  | 334972   | 51.38 | ug/L   | 98       |
| 54) o-xylene                  | 10.108 | 106  | 322599   | 50.00 | ug/L   | 98       |
| 55) Styrene                   | 10.121 | 104  | 560656   | 51.53 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 326962   | 44.67 | ug/L   | 99       |
| 59) Bromoform                 | 10.298 | 173  | 156279   | 45.43 | ug/L # | 98       |
| 60) 1,2,3-Trichloropropane    | 10.832 | 75   | 261629   | 42.59 | ug/L   | 99       |
| 61) Isopropylbenzene          | 10.491 | 105  | 836362   | 48.65 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 712404   | 49.90 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 722500   | 50.39 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 409580   | 48.99 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.844 | 146  | 414510   | 48.60 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 417543   | 47.95 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 13.002 | 75   | 73342    | 43.61 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 321668   | 51.91 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 277602   | 52.44 | ug/L   | 99       |
| 71) Naphthalene               | 14.092 | 128  | 948373   | 53.70 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 297036   | 53.30 | ug/L   | 100      |

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

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Response via : Initial Calibration

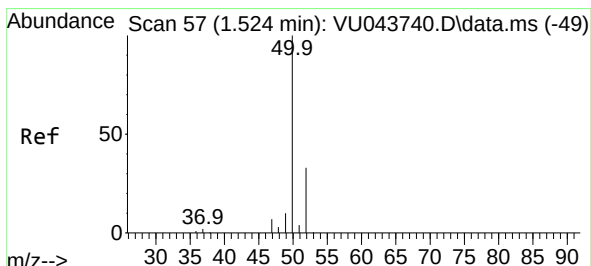
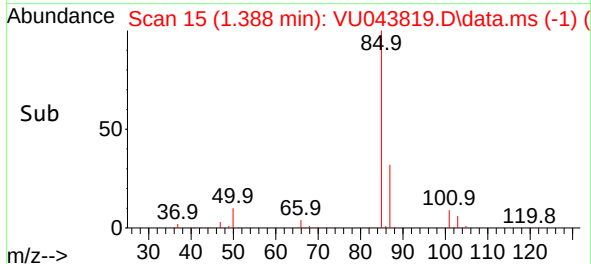
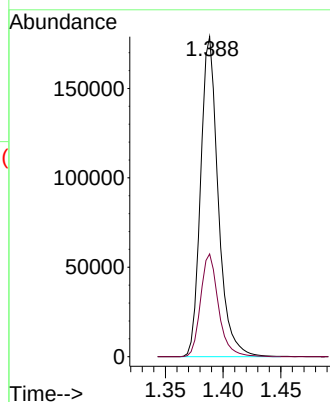
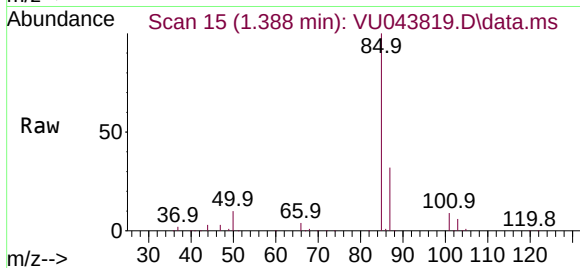




#2  
Dichlorodifluoromethane  
Concen: 46.13 ug/L  
RT: 1.388 min Scan# 15  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

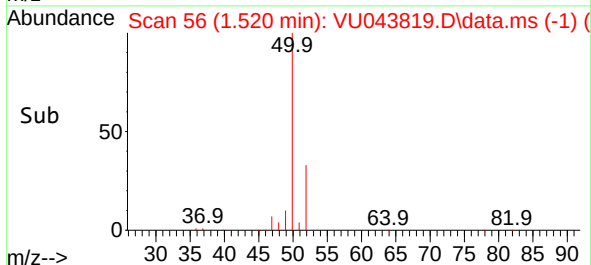
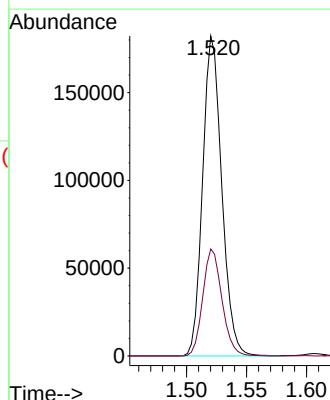
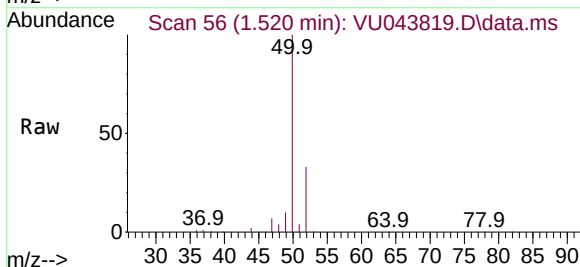
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

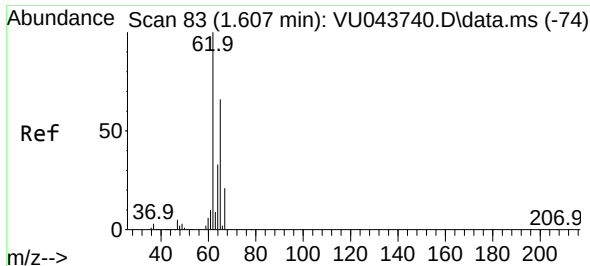
Tgt Ion: 85 Resp: 189408  
Ion Ratio Lower Upper  
85 100  
87 32.6 25.9 38.9



#3  
Chloromethane  
Concen: 40.79 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 50 Resp: 202499  
Ion Ratio Lower Upper  
50 100  
52 33.5 23.2 43.2

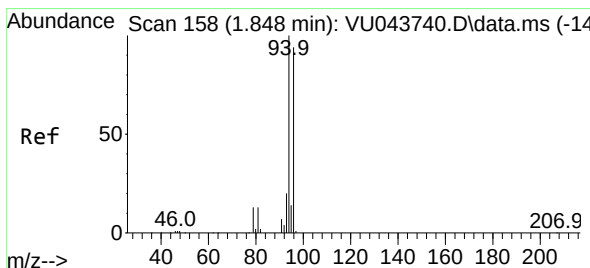
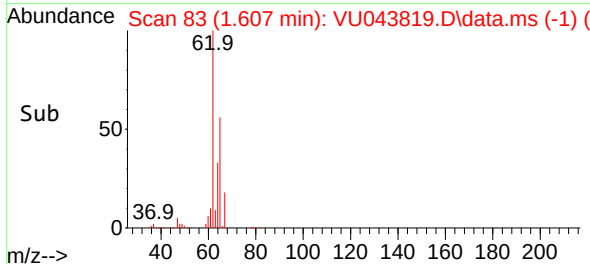
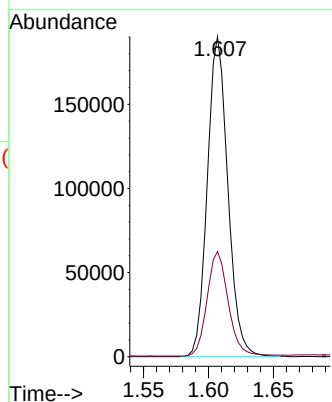
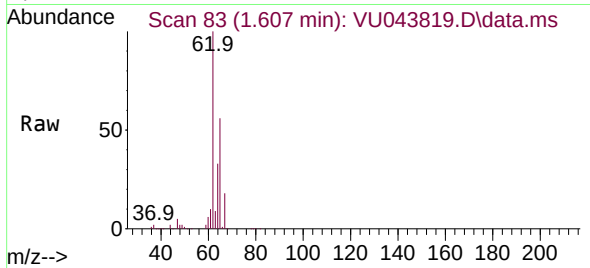




#5  
 Vinyl chloride  
 Concen: 43.31 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. 0.000 min  
 Lab File: VU043819.D  
 Acq: 19 May 2021 11:01

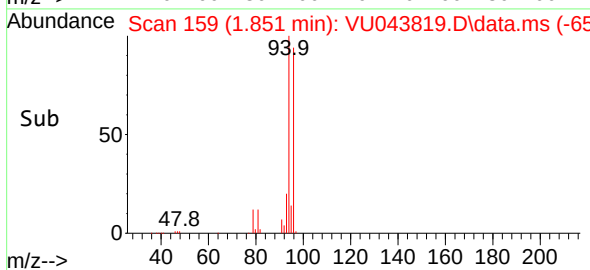
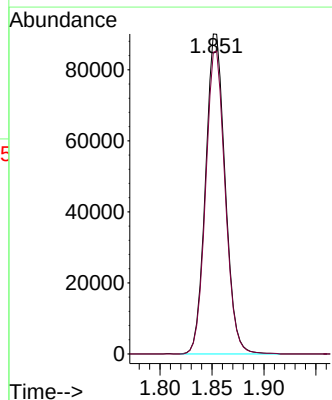
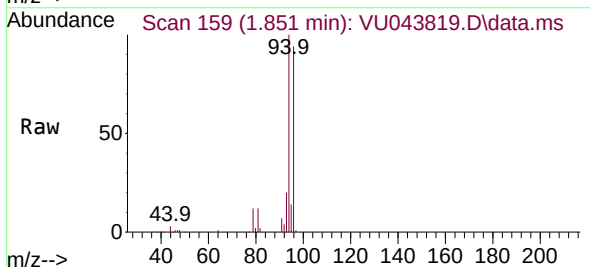
Instrument :  
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 ClientSampleId :  
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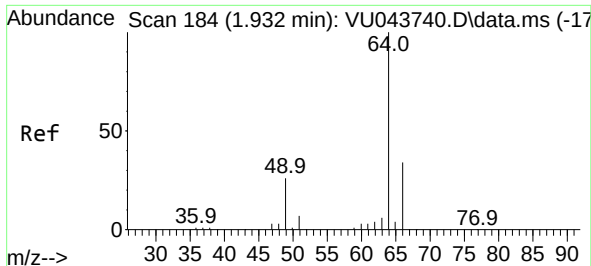
Tgt Ion: 62 Resp: 208988  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 22.9 42.5



#6  
 Bromomethane  
 Concen: 50.25 ug/L  
 RT: 1.851 min Scan# 159  
 Delta R.T. 0.003 min  
 Lab File: VU043819.D  
 Acq: 19 May 2021 11:01

Tgt Ion: 94 Resp: 118251  
 Ion Ratio Lower Upper  
 94 100  
 96 94.3 64.2 119.2

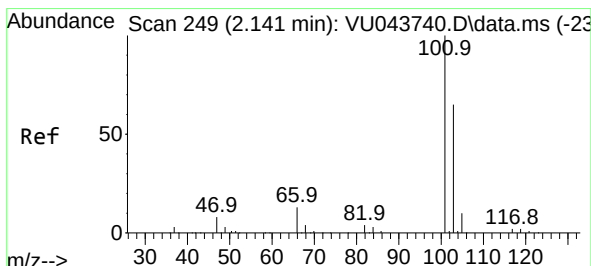
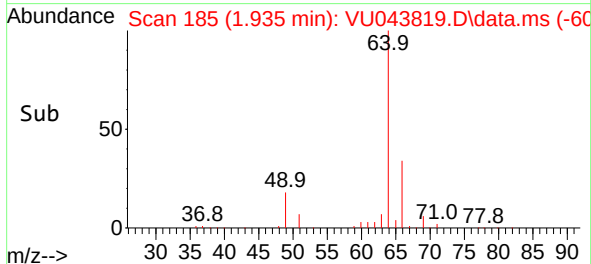
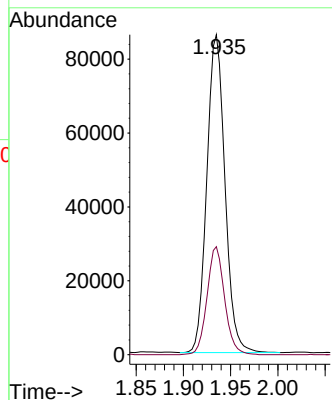
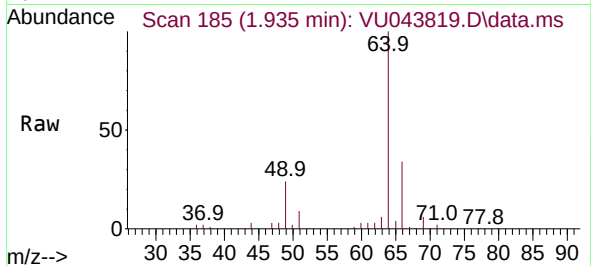




#8  
Chloroethane  
Concen: 42.01 ug/L  
RT: 1.935 min Scan# 185  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

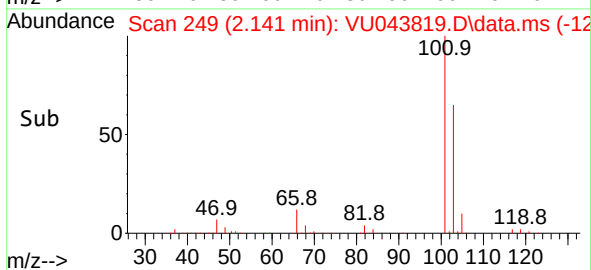
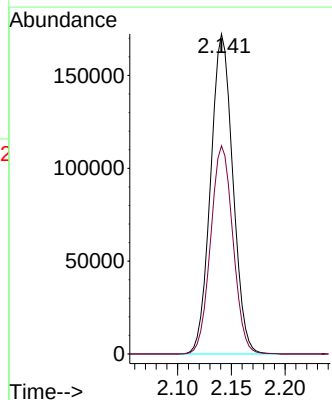
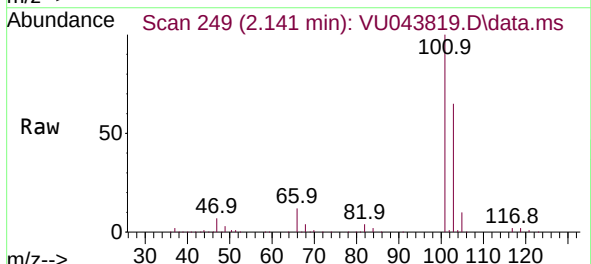
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ClientSampleId :  
VSTD050148

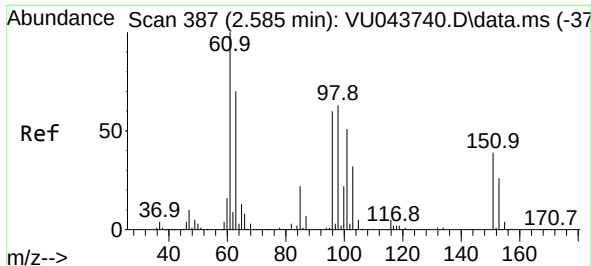
Tgt Ion: 64 Resp: 114779  
Ion Ratio Lower Upper  
64 100  
66 33.8 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 45.45 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion:101 Resp: 247974  
Ion Ratio Lower Upper  
101 100  
103 65.2 52.3 78.5

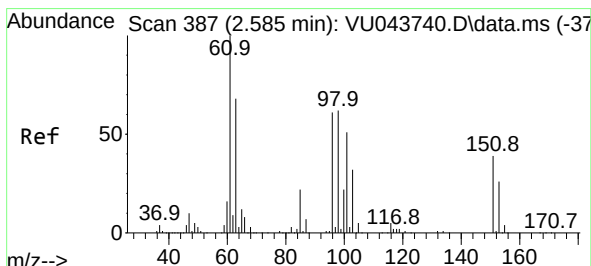
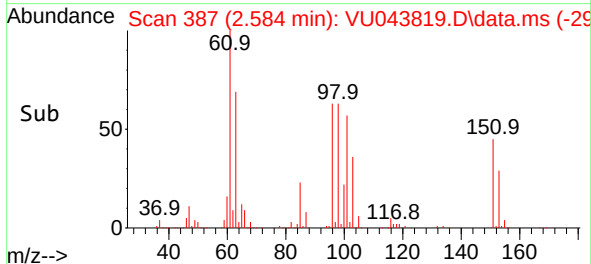
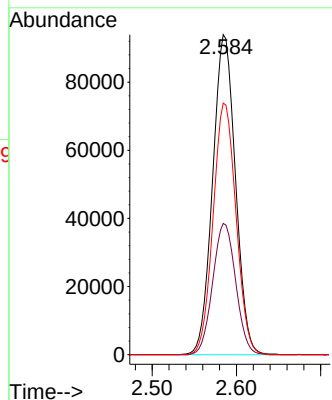
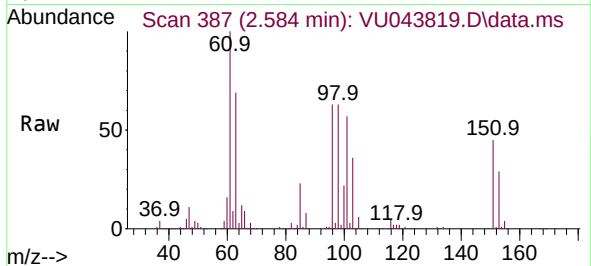




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 49.43 ug/L  
 RT: 2.584 min Scan# 387  
 Delta R.T. 0.000 min  
 Lab File: VU043819.D  
 Acq: 19 May 2021 11:01

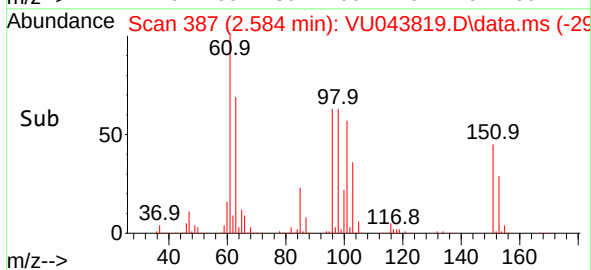
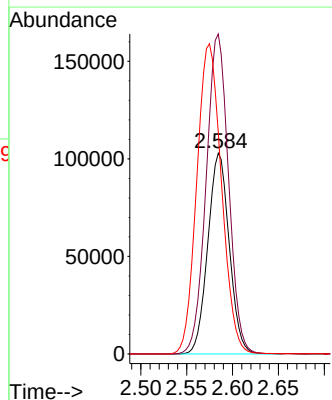
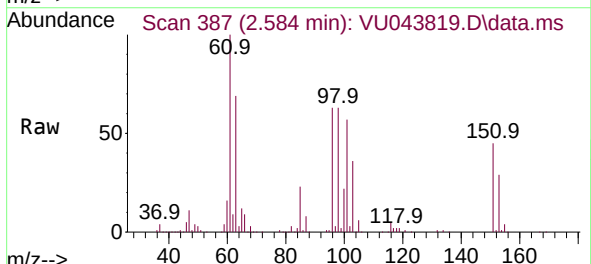
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050148

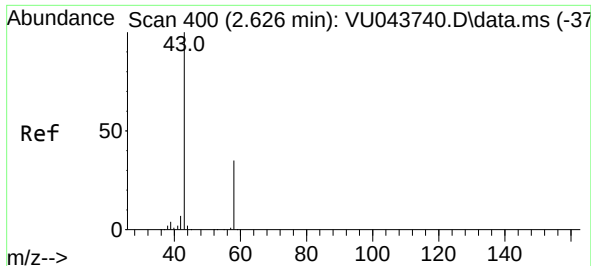
Tgt Ion:101 Resp: 176472  
 Ion Ratio Lower Upper  
 101 100  
 85 41.3 34.2 51.4  
 151 78.9 60.4 90.6



#12  
 1,1-Dichloroethene  
 Concen: 47.48 ug/L  
 RT: 2.584 min Scan# 387  
 Delta R.T. 0.000 min  
 Lab File: VU043819.D  
 Acq: 19 May 2021 11:01

Tgt Ion: 96 Resp: 167191  
 Ion Ratio Lower Upper  
 96 100  
 61 159.3 116.3 215.9  
 63 110.2 80.8 150.2

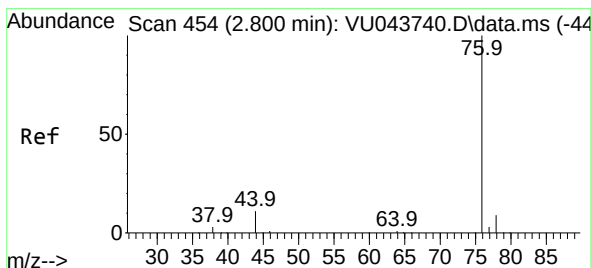
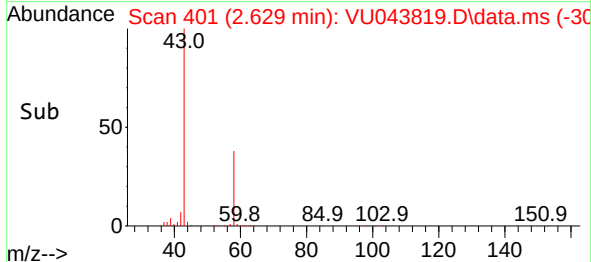
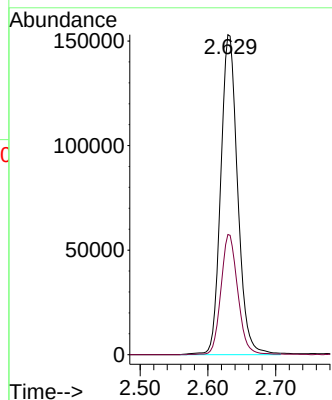
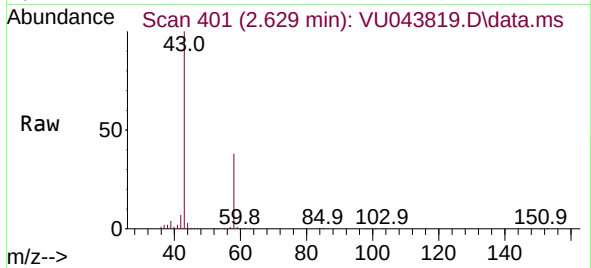




#13  
Acetone  
Concen: 120.35 ug/L  
RT: 2.629 min Scan# 401  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

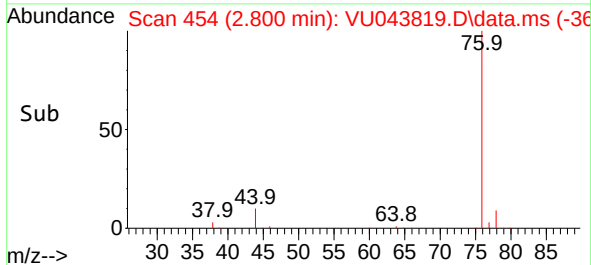
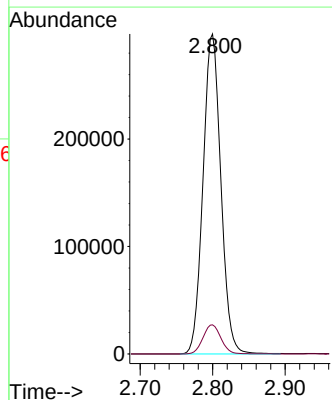
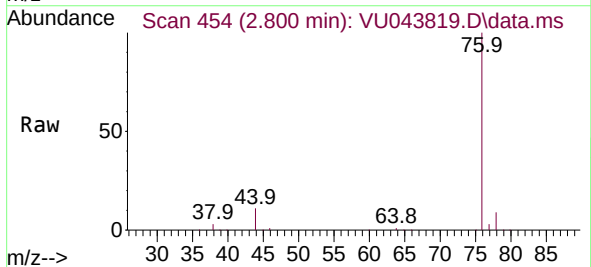
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

Tgt Ion: 43 Resp: 265471  
Ion Ratio Lower Upper  
43 100  
58 37.3 0.0 69.4

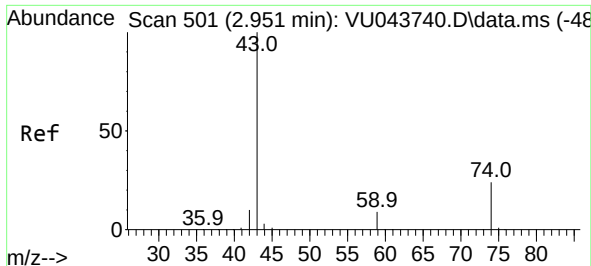


#14  
Carbon disulfide  
Concen: 45.79 ug/L  
RT: 2.800 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 76 Resp: 509125  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.1 10.7

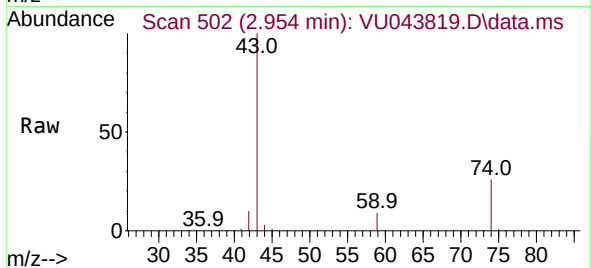




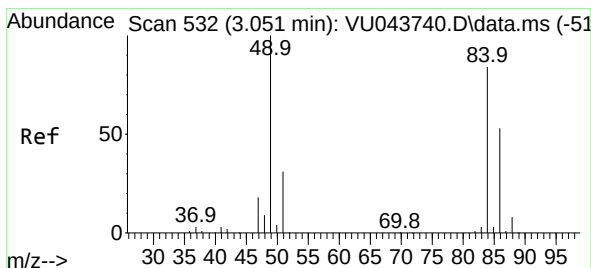
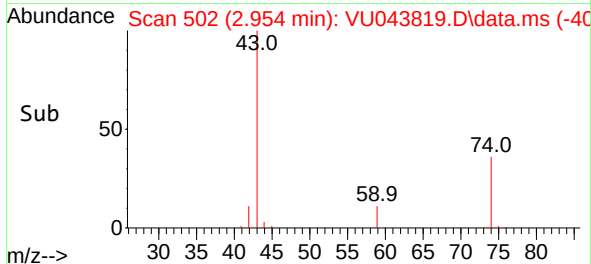
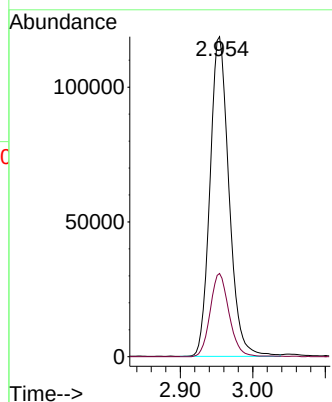


#15  
Methyl Acetate  
Concen: 43.13 ug/L  
RT: 2.954 min Scan# 502  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

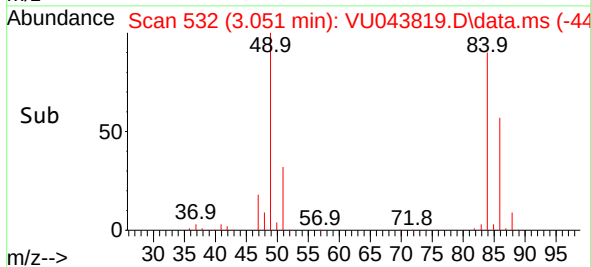
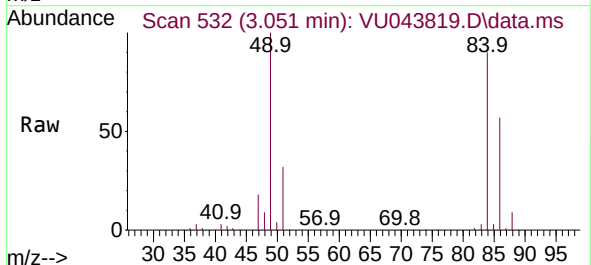
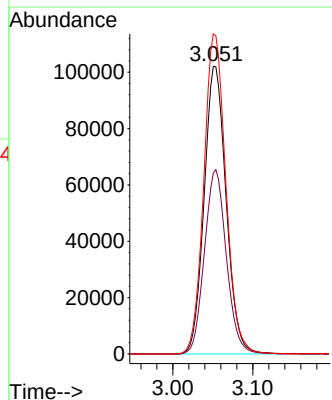


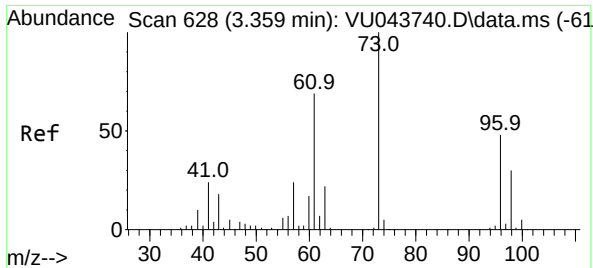
Tgt Ion: 43 Resp: 215891  
Ion Ratio Lower Upper  
43 100  
74 25.8 19.3 28.9



#16  
Methylene chloride  
Concen: 37.06 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. -0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 84 Resp: 195433  
Ion Ratio Lower Upper  
84 100  
86 62.9 44.9 83.5  
49 111.3 84.9 157.7

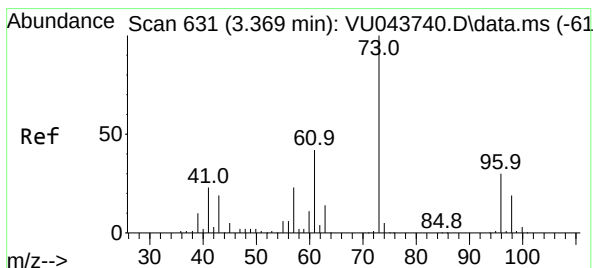
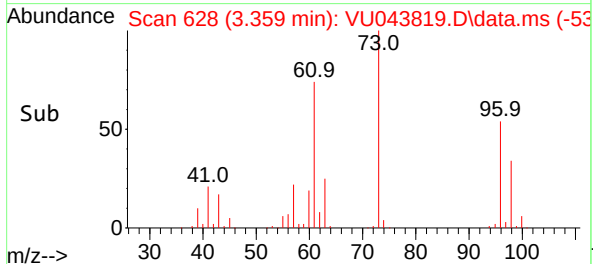
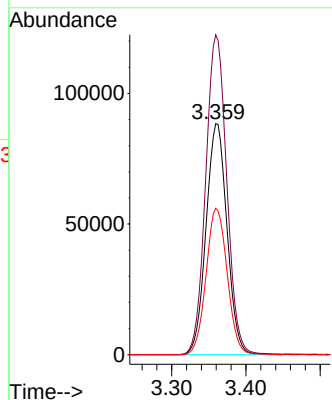
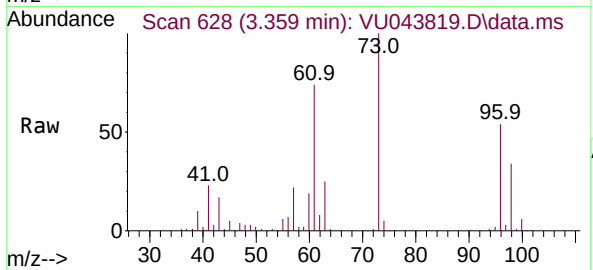




#17  
trans-1,2-Dichloroethene  
Concen: 47.68 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

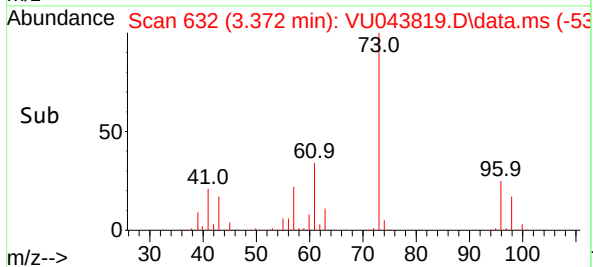
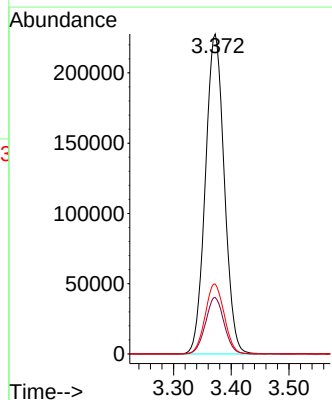
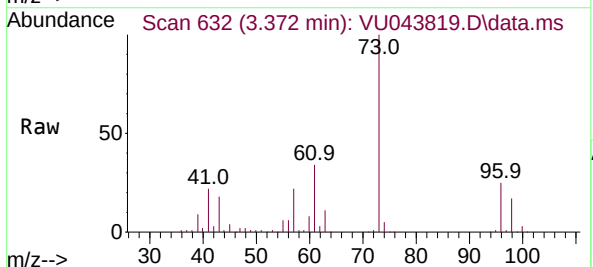
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

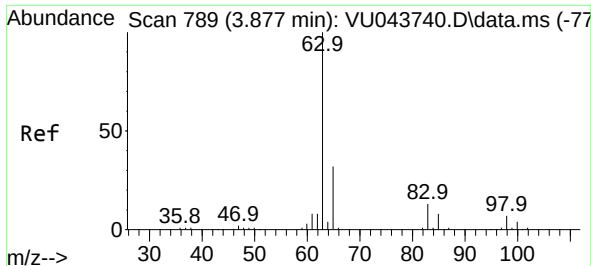
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 173676 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 138.5 | 101.5 | 188.5  |
| 98       | 63.4  | 44.9  | 83.5   |



#18  
Methyl tert-butyl Ether  
Concen: 46.86 ug/L  
RT: 3.372 min Scan# 632  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 73    | Resp: | 517796 |
| Ion      | Ratio | Lower | Upper  |
| 73       | 100   |       |        |
| 43       | 17.5  | 14.6  | 22.0   |
| 57       | 22.1  | 18.2  | 27.4   |





#19

1,1-Dichloroethane

Concen: 45.34 ug/L

RT: 3.877 min Scan# 789

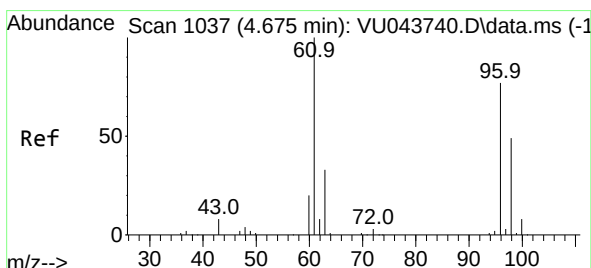
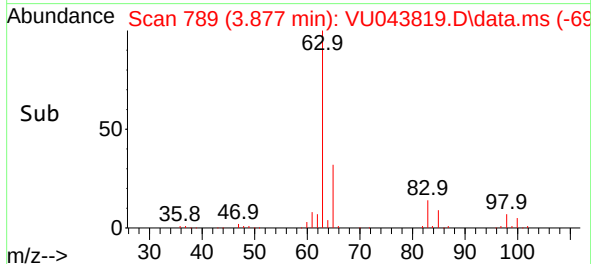
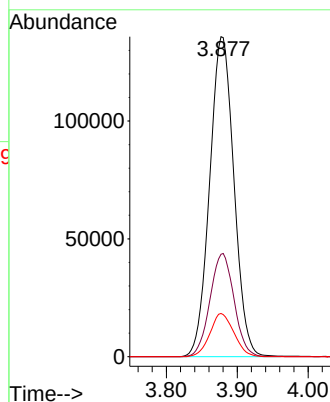
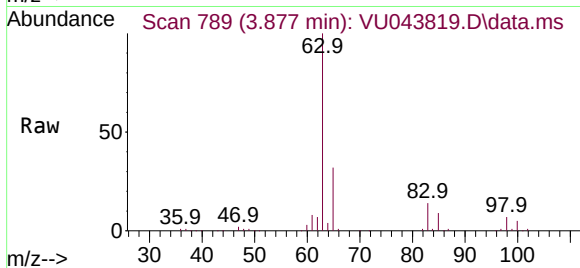
Delta R.T. 0.000 min

Lab File: VU043819.D

Acq: 19 May 2021 11:01

Tgt Ion: 63 Resp: 322930

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.0  | 22.0  | 41.0  |
| 83  | 13.5  | 8.7   | 16.1  |



#20

cis-1,2-Dichloroethene

Concen: 48.29 ug/L

RT: 4.674 min Scan# 1037

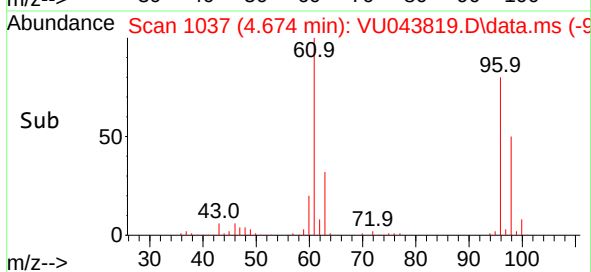
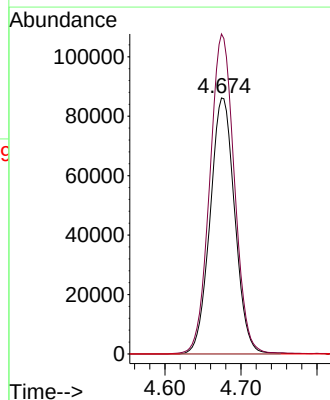
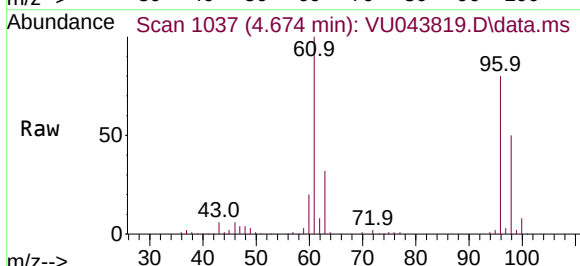
Delta R.T. 0.000 min

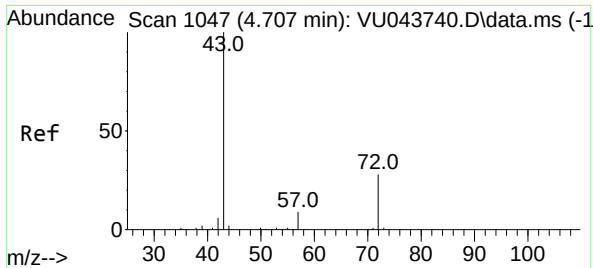
Lab File: VU043819.D

Acq: 19 May 2021 11:01

Tgt Ion: 96 Resp: 193805

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 125.0 | 93.1  | 172.9 |
| 68  | 0.0   | 0.0   | 0.0   |

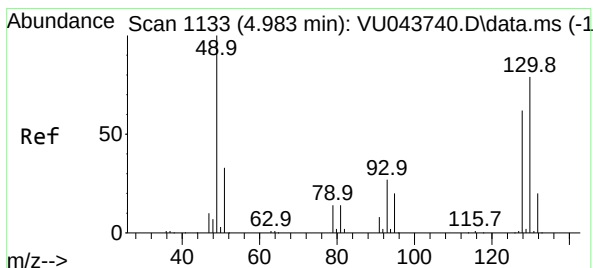
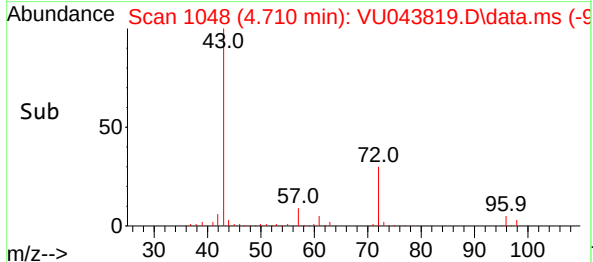
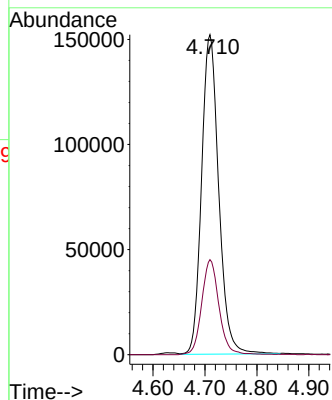
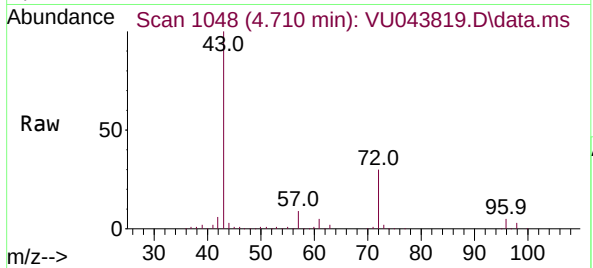




#22  
2-Butanone  
Concen: 95.93 ug/L  
RT: 4.710 min Scan# 1048  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

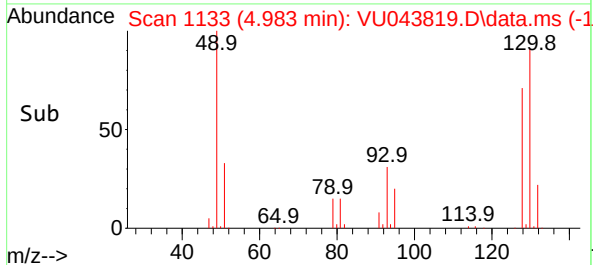
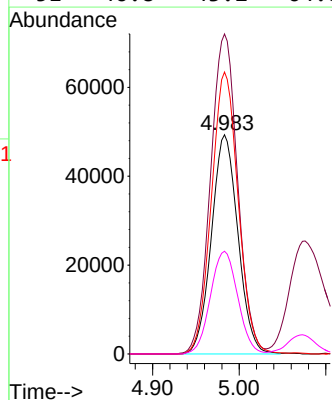
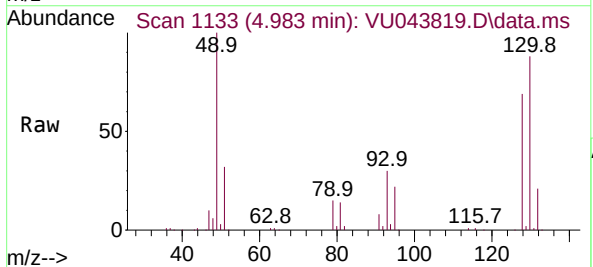
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

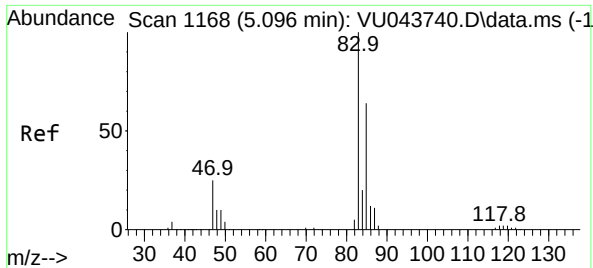
Tgt Ion: 43 Resp: 348327  
Ion Ratio Lower Upper  
43 100  
72 29.9 13.9 41.6



#23  
Bromochloromethane  
Concen: 48.18 ug/L  
RT: 4.983 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion:128 Resp: 104950  
Ion Ratio Lower Upper  
128 100  
49 145.9 116.8 216.8  
130 128.6 93.3 173.3  
51 46.8 43.2 64.8



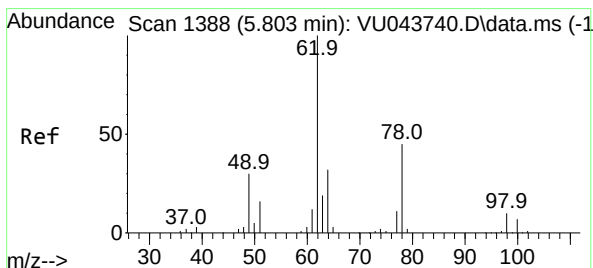
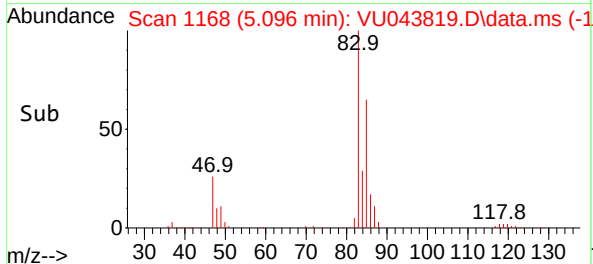
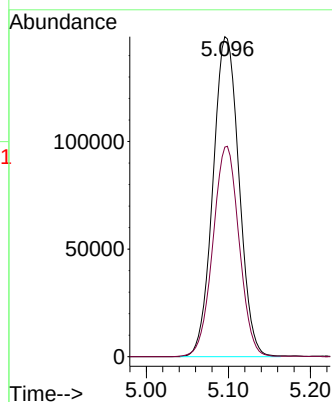
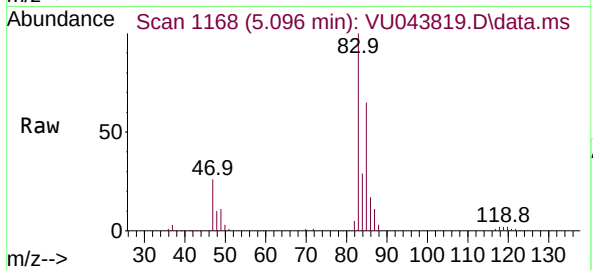


#25

Chloroform  
Concen: 47.00 ug/L  
RT: 5.096 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

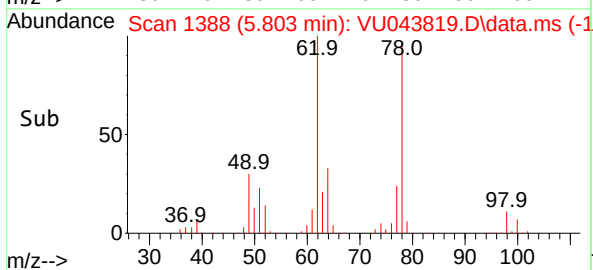
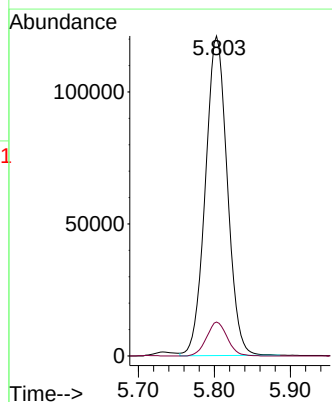
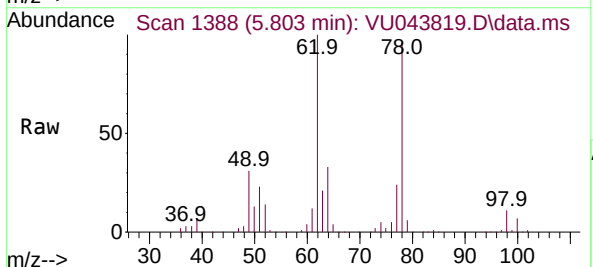
Tgt Ion: 83 Resp: 327777  
Ion Ratio Lower Upper  
83 100  
85 65.5 45.7 84.9

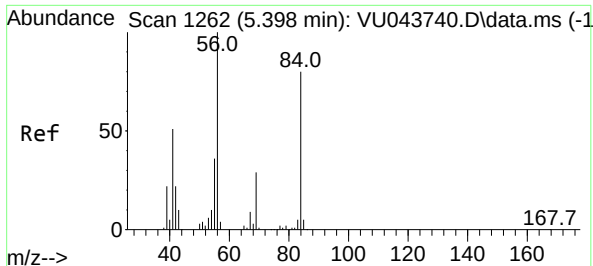


#27

1,2-Dichloroethane  
Concen: 45.02 ug/L  
RT: 5.803 min Scan# 1388  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 62 Resp: 242036  
Ion Ratio Lower Upper  
62 100  
98 10.6 7.6 11.4





#29

Cyclohexane

Concen: 46.77 ug/L

RT: 5.398 min Scan# 1262

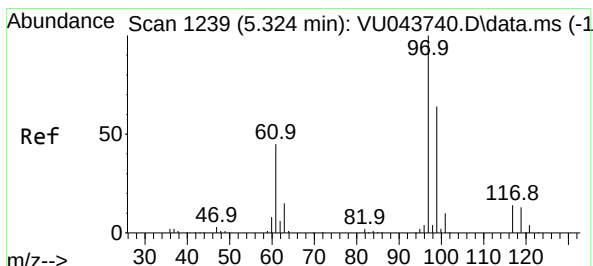
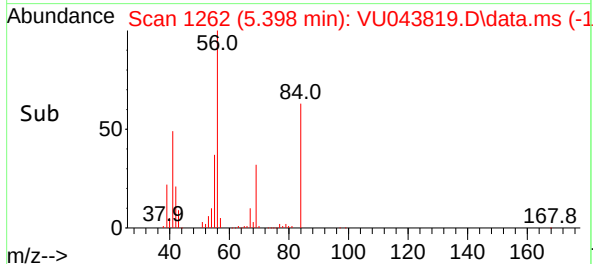
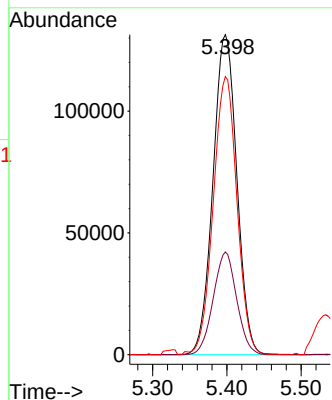
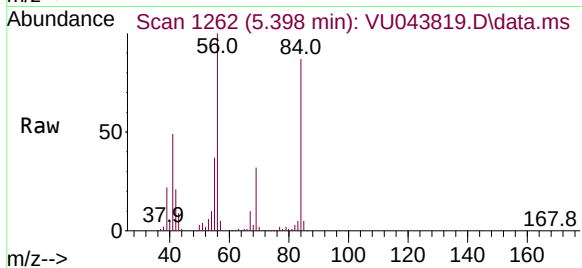
Delta R.T. 0.000 min

Lab File: VU043819.D

Acq: 19 May 2021 11:01

Tgt Ion: 56 Resp: 293930

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.4  | 24.6  | 37.0  |
| 84  | 86.3  | 65.0  | 97.4  |



#30

1,1,1-Trichloroethane

Concen: 47.41 ug/L

RT: 5.327 min Scan# 1240

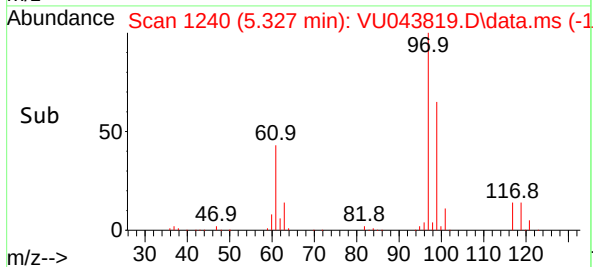
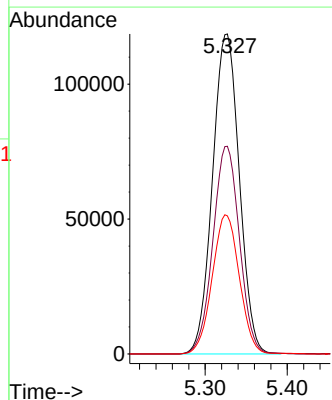
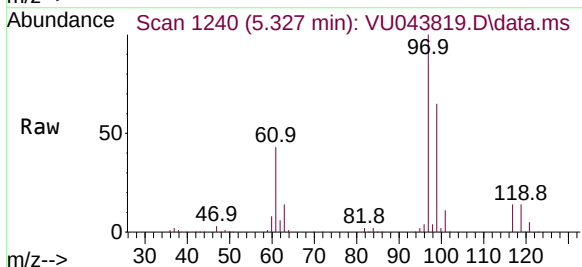
Delta R.T. 0.003 min

Lab File: VU043819.D

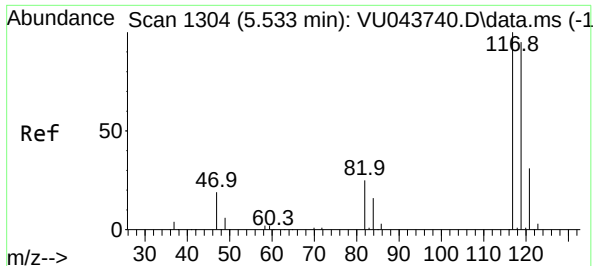
Acq: 19 May 2021 11:01

Tgt Ion: 97 Resp: 269832

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.4  | 51.7  | 77.5  |
| 61  | 44.0  | 36.9  | 55.3  |



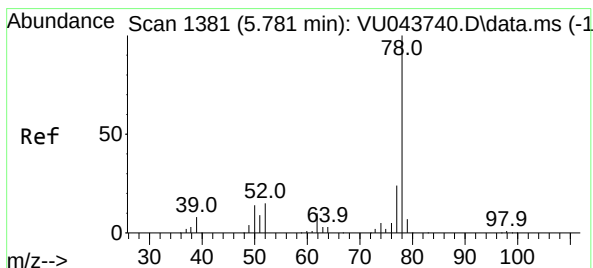
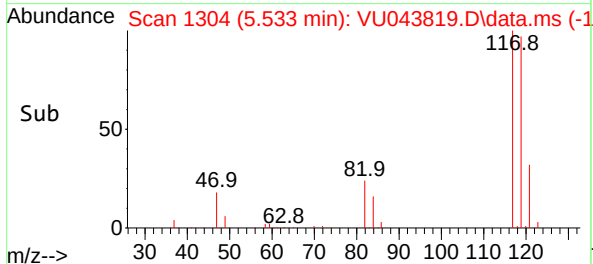
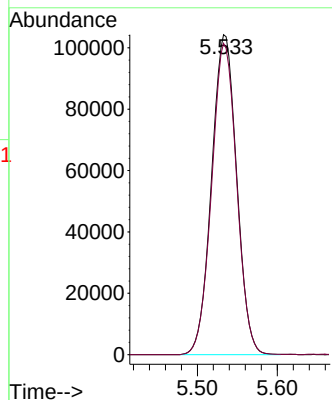
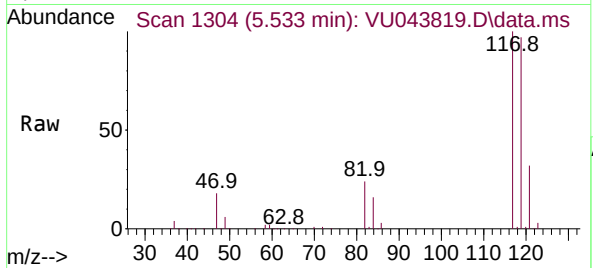
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148



#31  
Carbon tetrachloride  
Concen: 48.60 ug/L  
RT: 5.533 min Scan# 1304  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

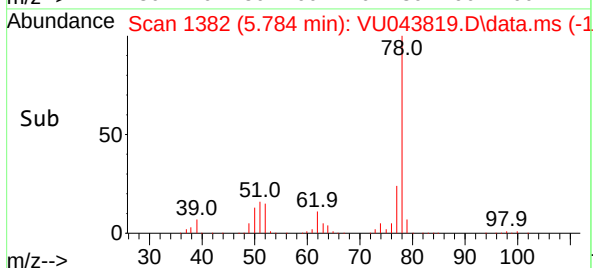
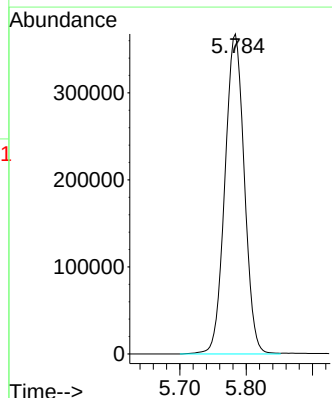
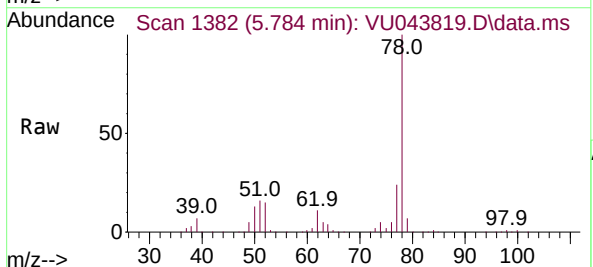
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

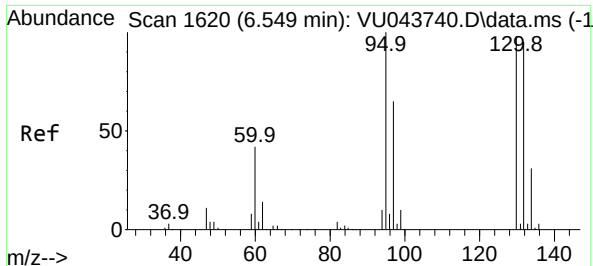
Tgt Ion:117 Resp: 227118  
Ion Ratio Lower Upper  
117 100  
119 96.9 77.0 115.6



#33  
Benzene  
Concen: 46.82 ug/L  
RT: 5.784 min Scan# 1382  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 78 Resp: 747373

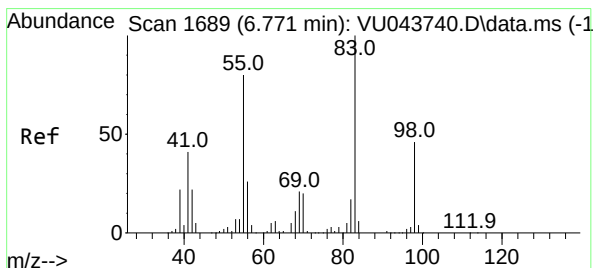
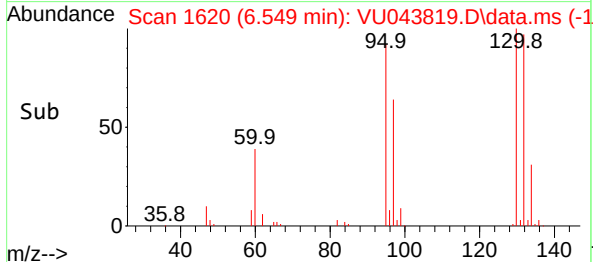
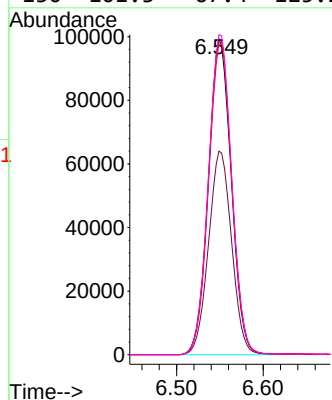
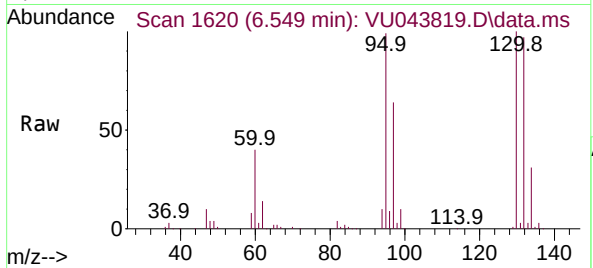




#34  
Trichloroethene  
Concen: 47.17 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

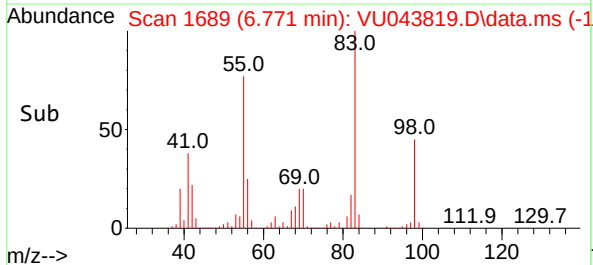
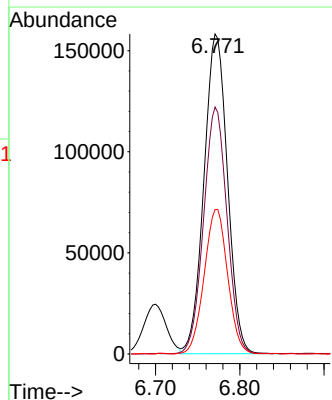
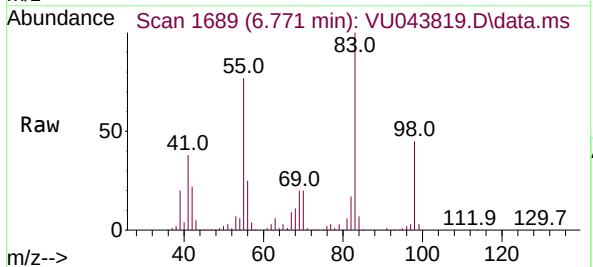
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

Tgt Ion: 95 Resp: 183153  
Ion Ratio Lower Upper  
95 100  
97 64.5 44.2 82.2  
132 98.6 66.8 124.2  
130 101.3 67.4 125.2

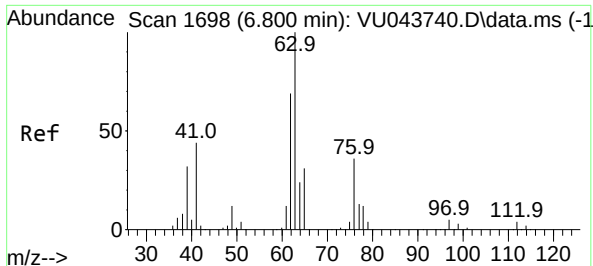


#35  
Methylcyclohexane  
Concen: 50.04 ug/L  
RT: 6.771 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 83 Resp: 307127  
Ion Ratio Lower Upper  
83 100  
55 76.8 63.8 95.6  
98 45.1 36.2 54.2





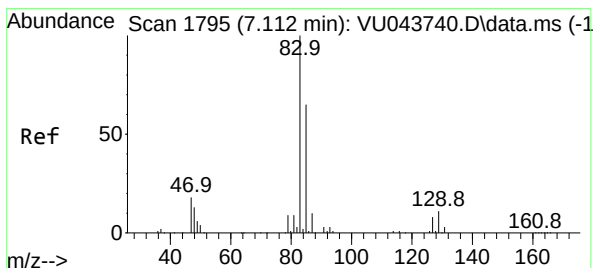
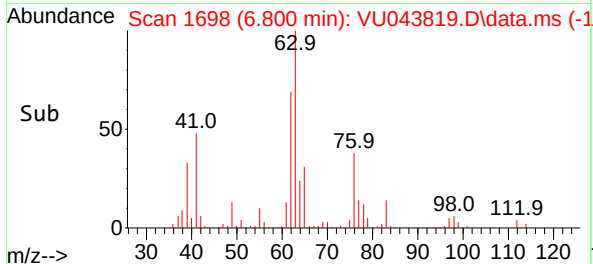
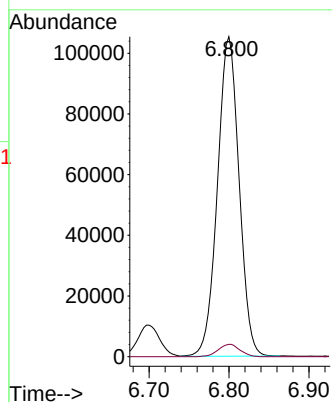
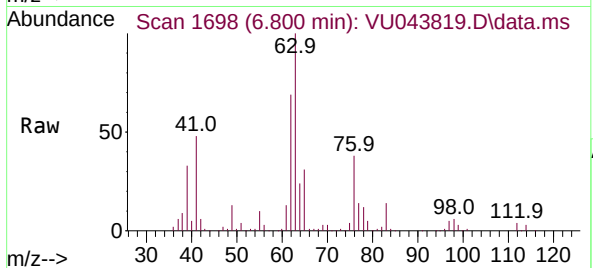


#37

1,2-Dichloropropane  
Concen: 45.28 ug/L  
RT: 6.800 min Scan# 1698  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

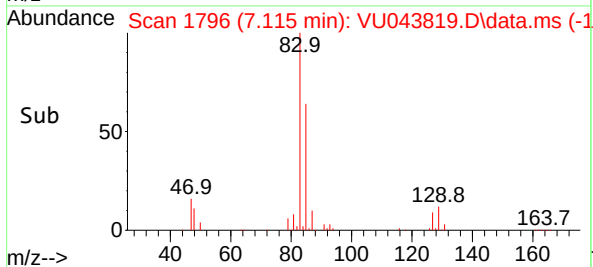
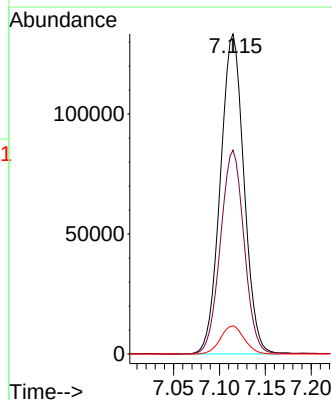
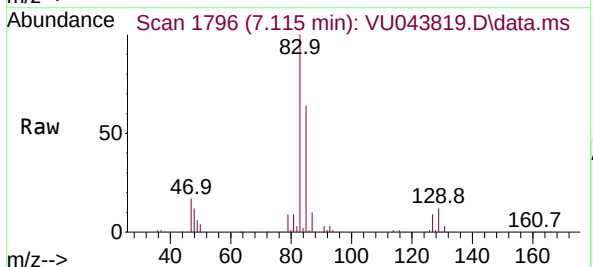
Tgt Ion: 63 Resp: 197363  
Ion Ratio Lower Upper  
63 100  
112 3.9 3.0 4.4

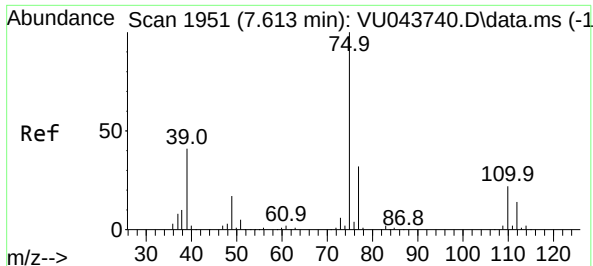


#38

Bromodichloromethane  
Concen: 46.25 ug/L  
RT: 7.115 min Scan# 1796  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 83 Resp: 238687  
Ion Ratio Lower Upper  
83 100  
85 63.7 44.3 82.3  
127 8.8 6.6 9.8



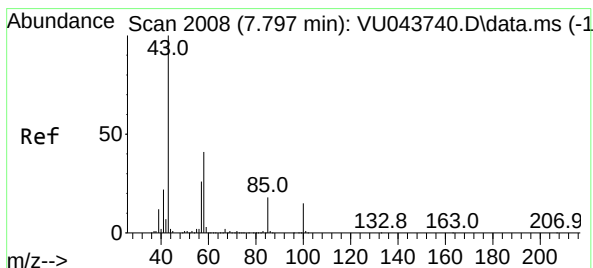
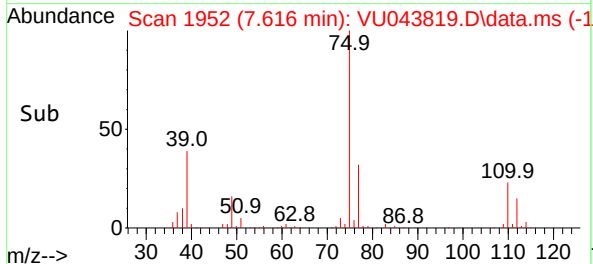
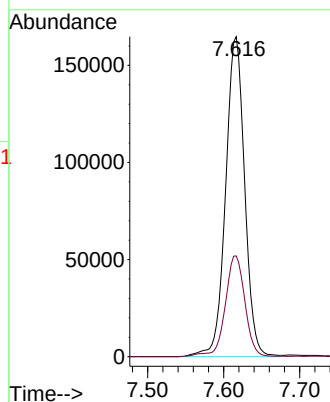
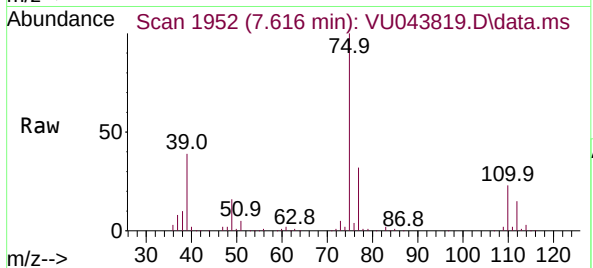


#39

cis-1,3-Dichloropropene  
Concen: 48.13 ug/L  
RT: 7.616 min Scan# 1952  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

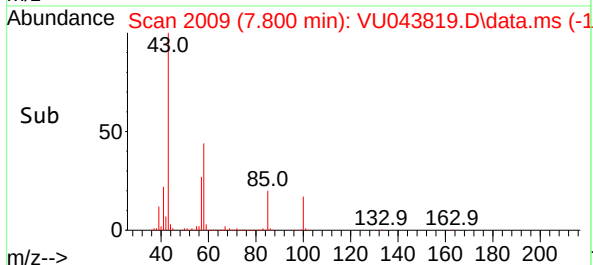
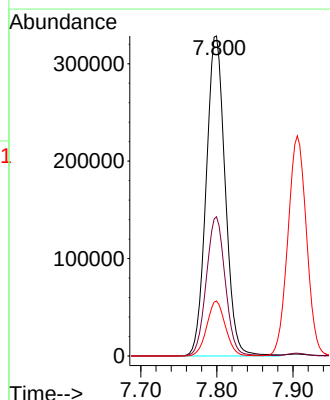
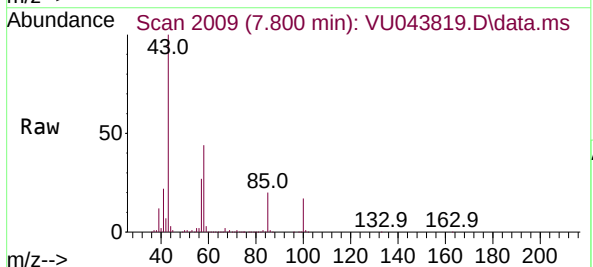
Tgt Ion: 75 Resp: 286545  
Ion Ratio Lower Upper  
75 100  
77 31.5 22.0 41.0

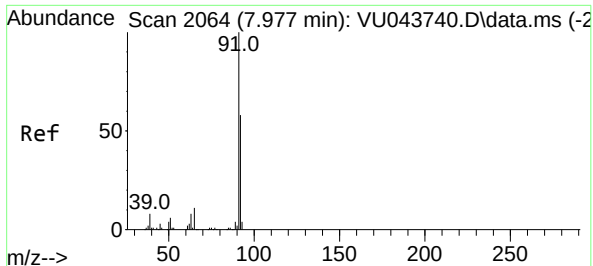


#40

4-Methyl-2-pentanone  
Concen: 86.95 ug/L  
RT: 7.800 min Scan# 2009  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 43 Resp: 570444  
Ion Ratio Lower Upper  
43 100  
58 43.3 33.4 50.0  
100 16.8 12.2 18.2





#42

Toluene

Concen: 48.64 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. 0.000 min

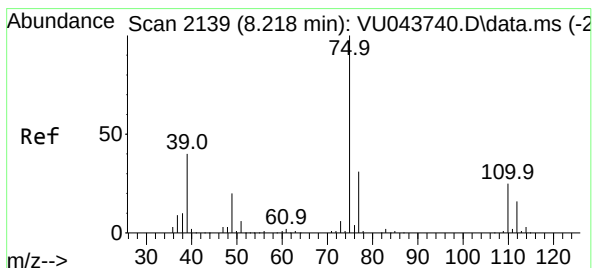
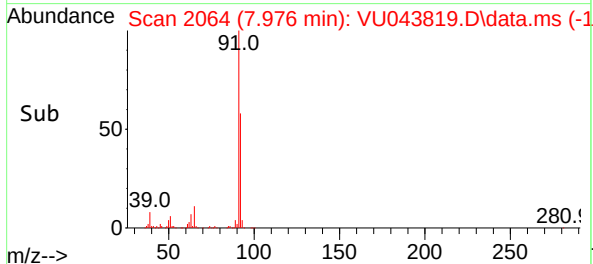
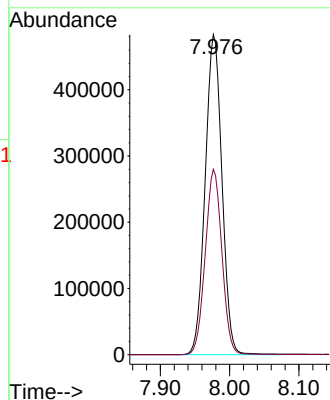
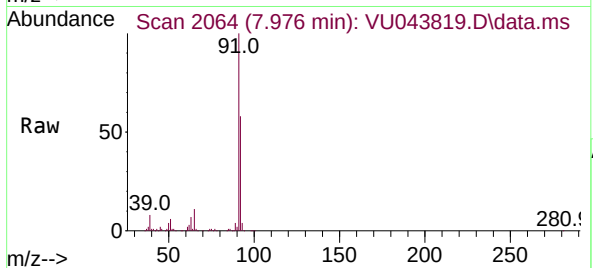
Lab File: VU043819.D

Acq: 19 May 2021 11:01

Tgt Ion: 91 Resp: 811436

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 57.9  | 39.7  | 73.7  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148



#44

trans-1,3-Dichloropropene

Concen: 48.67 ug/L

RT: 8.218 min Scan# 2139

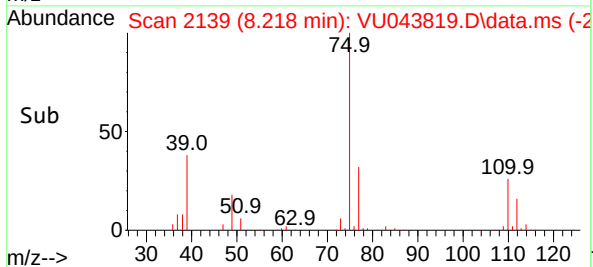
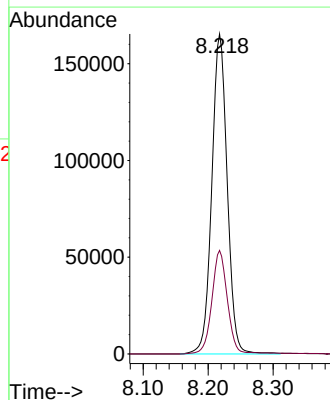
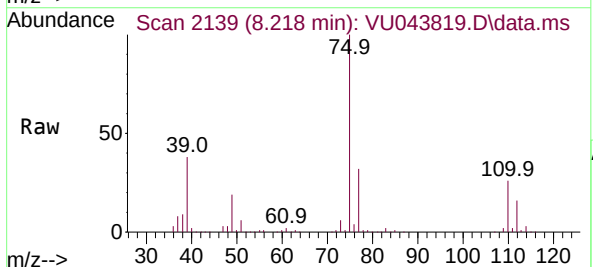
Delta R.T. 0.000 min

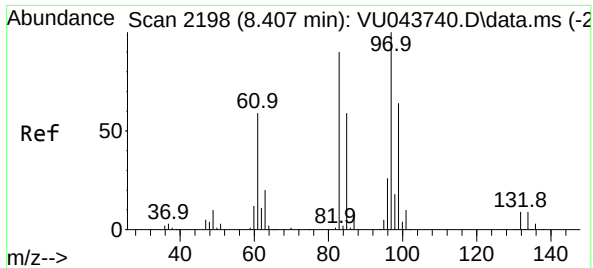
Lab File: VU043819.D

Acq: 19 May 2021 11:01

Tgt Ion: 75 Resp: 272521

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.4  | 22.4  | 41.6  |

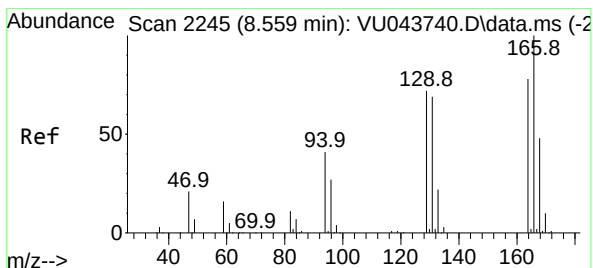
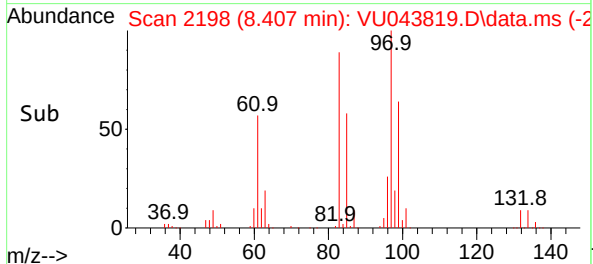
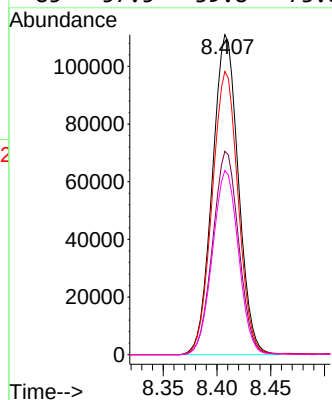
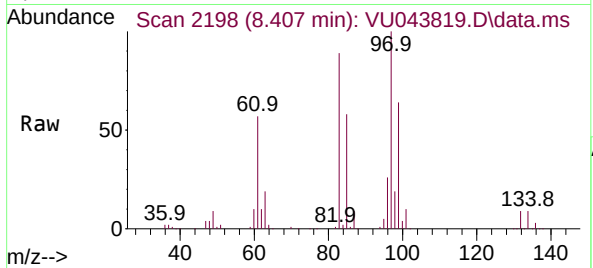




#45  
1,1,2-Trichloroethane  
Concen: 46.67 ug/L  
RT: 8.407 min Scan# 2198  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

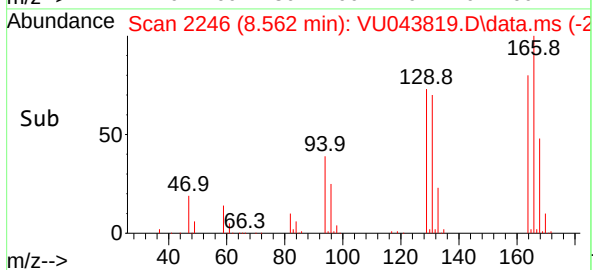
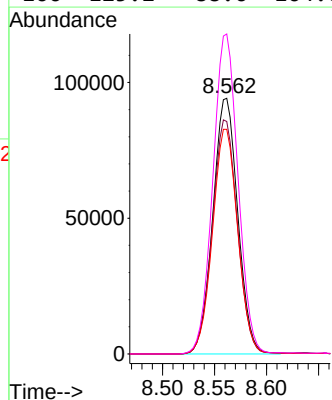
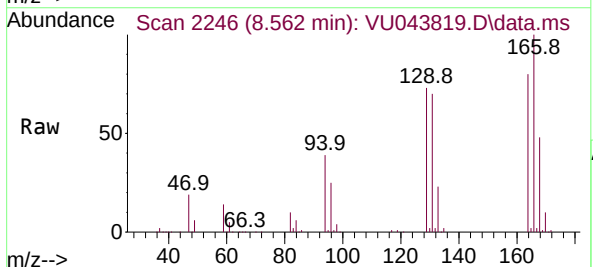
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

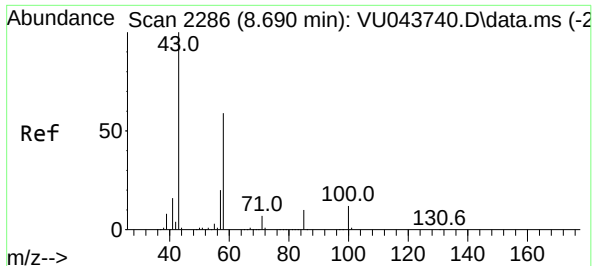
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 187383 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.5  | 43.2  | 80.2   |
| 83       | 88.5  | 61.7  | 114.5  |
| 85       | 57.5  | 39.8  | 73.8   |



#46  
Tetrachloroethene  
Concen: 51.66 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 157791 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 90.9  | 65.5  | 121.6  |
| 131      | 87.9  | 63.0  | 117.0  |
| 166      | 125.2 | 88.6  | 164.6  |

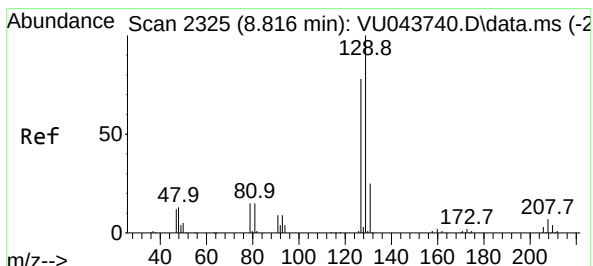
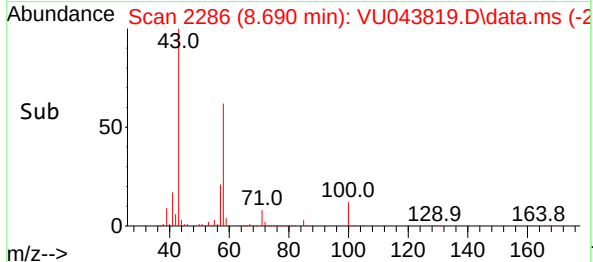
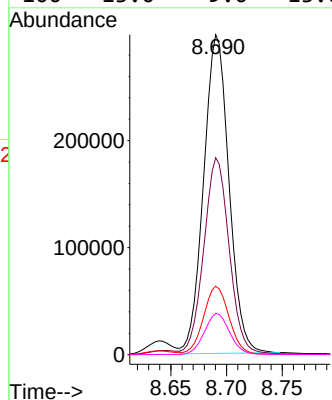
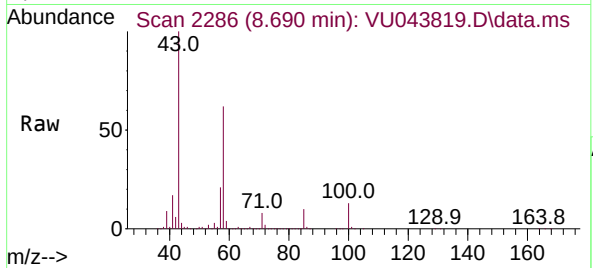




#48  
2-Hexanone  
Concen: 89.46 ug/L  
RT: 8.690 min Scan# 2286  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

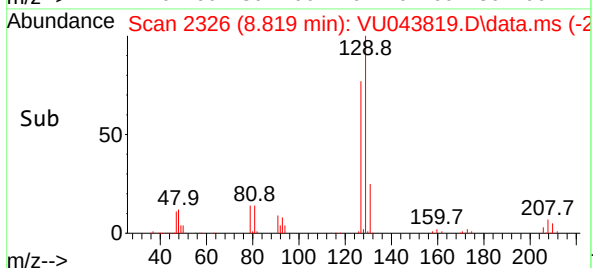
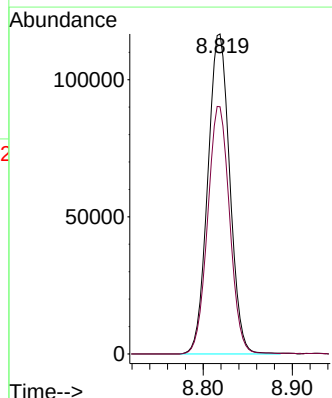
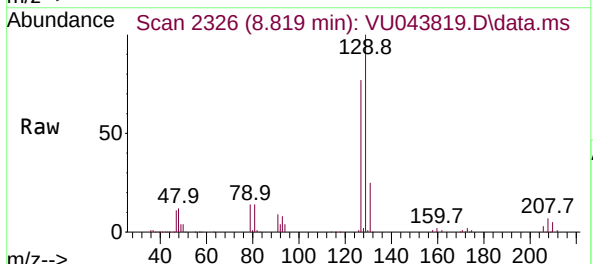
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

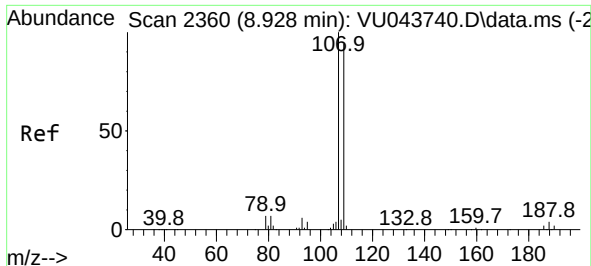
Tgt Ion: 43 Resp: 471303  
Ion Ratio Lower Upper  
43 100  
58 61.9 46.2 69.2  
57 21.7 15.9 23.9  
100 13.0 9.0 13.6



#49  
Dibromochloromethane  
Concen: 48.49 ug/L  
RT: 8.819 min Scan# 2326  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 129 Resp: 199723  
Ion Ratio Lower Upper  
129 100  
127 77.3 54.5 101.1





#50

1,2-Dibromoethane

Concen: 48.28 ug/L

RT: 8.931 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VU043819.D

Acq: 19 May 2021 11:01

Instrument :

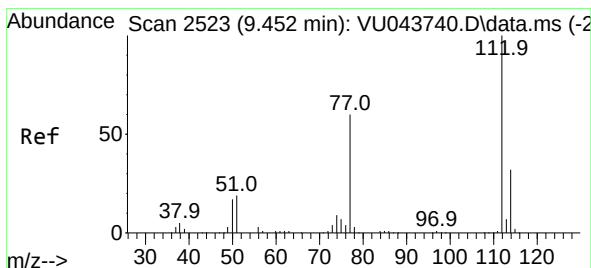
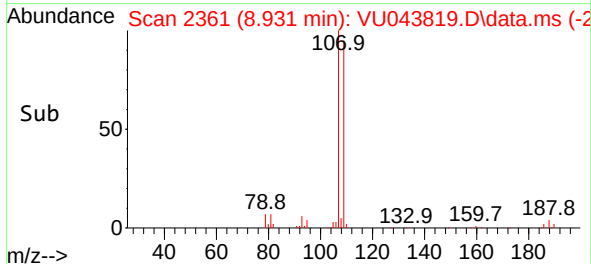
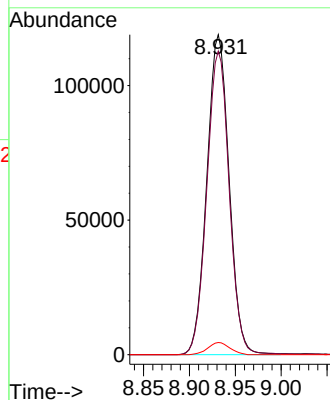
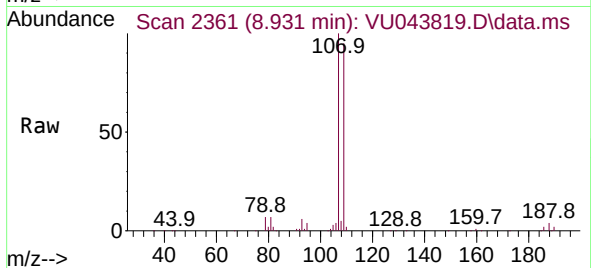
MSVOA\_U

ClientSampleId :

VSTD050148

Tgt Ion:107 Resp: 201410

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 109 | 94.9  | 66.5  | 123.5 |
| 188 | 4.0   | 3.2   | 4.8   |



#51

Chlorobenzene

Concen: 48.10 ug/L

RT: 9.455 min Scan# 2524

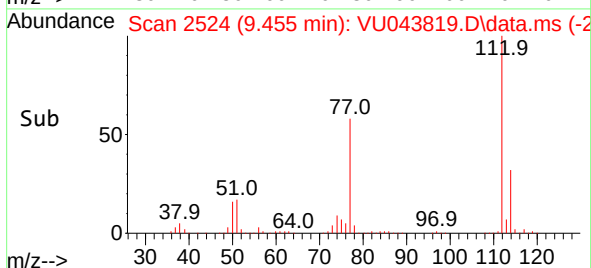
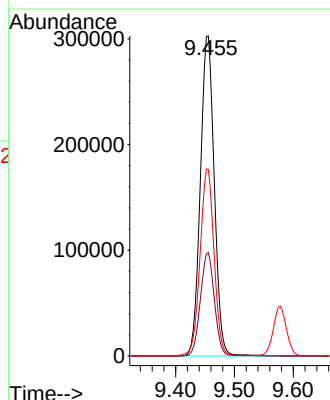
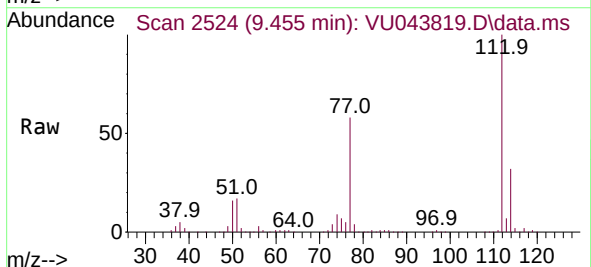
Delta R.T. 0.003 min

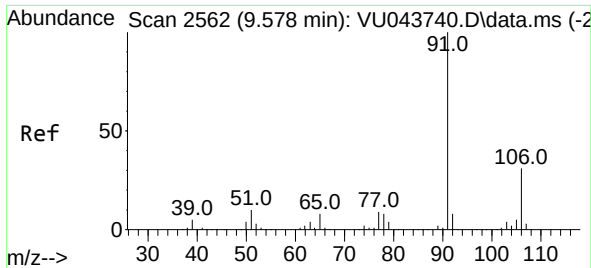
Lab File: VU043819.D

Acq: 19 May 2021 11:01

Tgt Ion:112 Resp: 497008

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 32.3  | 22.7  | 42.1  |
| 77  | 58.3  | 48.5  | 72.7  |

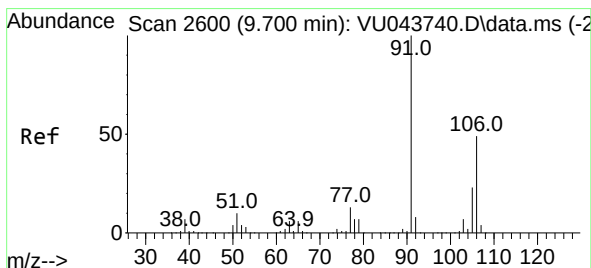
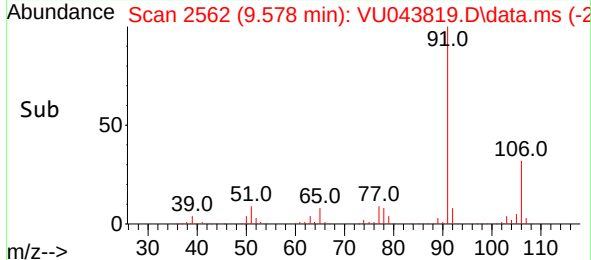
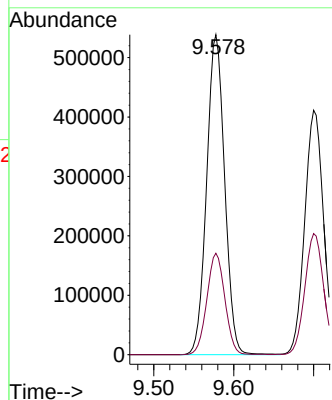
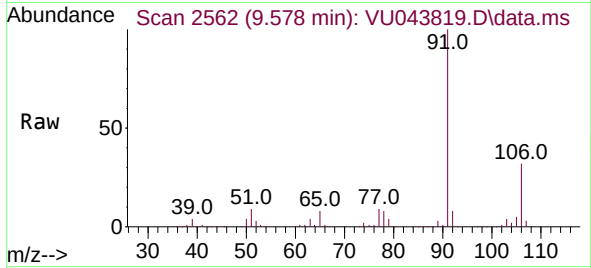




#52  
Ethylbenzene  
Concen: 48.97 ug/L  
RT: 9.578 min Scan# 2562  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

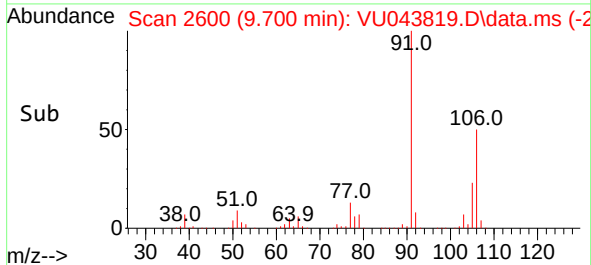
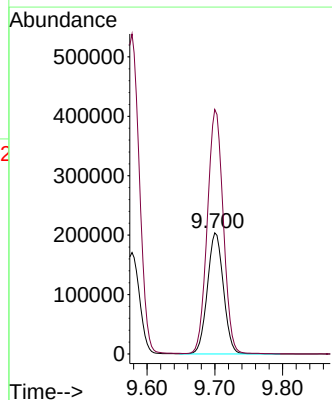
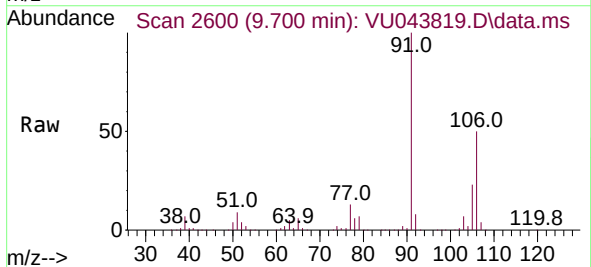
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

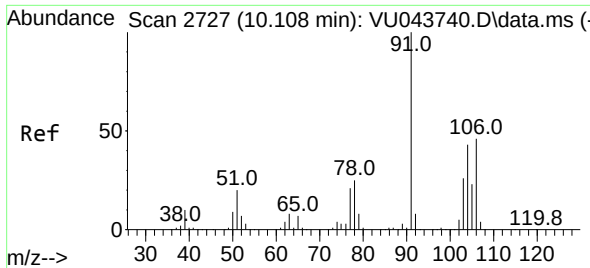
Tgt Ion: 91 Resp: 843356  
Ion Ratio Lower Upper  
91 100  
106 31.7 21.6 40.2



#53  
m,p-Xylene  
Concen: 51.38 ug/L  
RT: 9.700 min Scan# 2600  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 106 Resp: 334972  
Ion Ratio Lower Upper  
106 100  
91 201.8 142.9 265.5

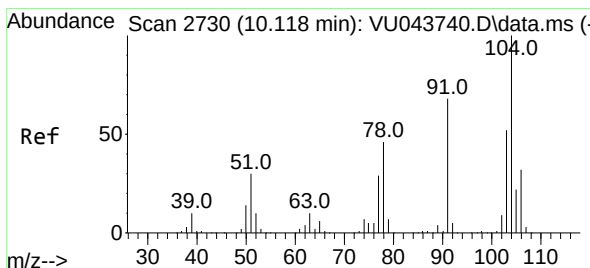
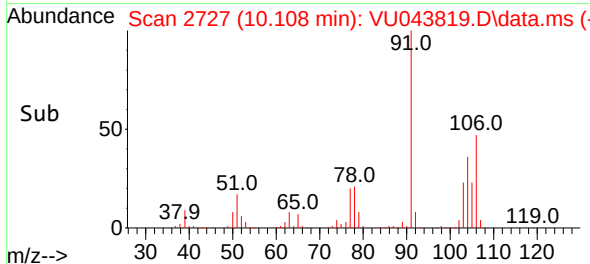
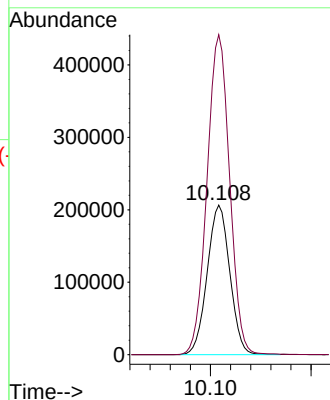
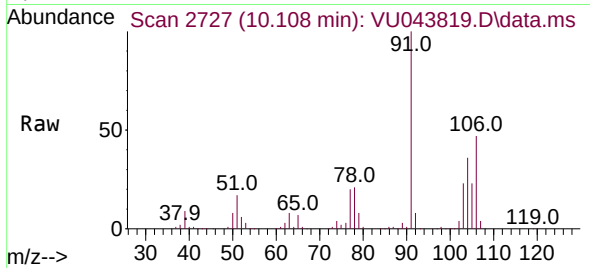




#54  
o-xylene  
Concen: 50.00 ug/L  
RT: 10.108 min Scan# 2727  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

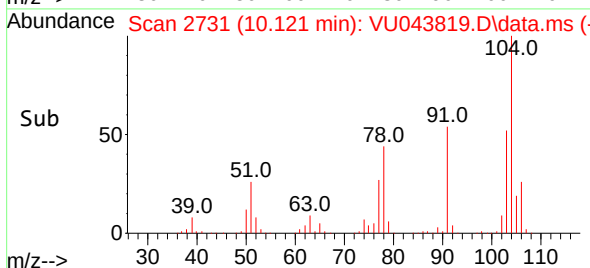
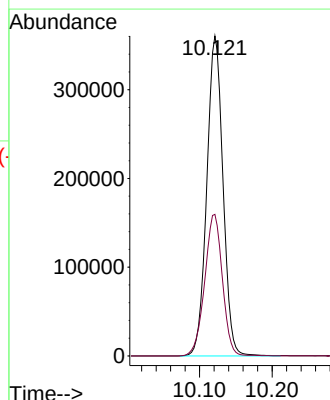
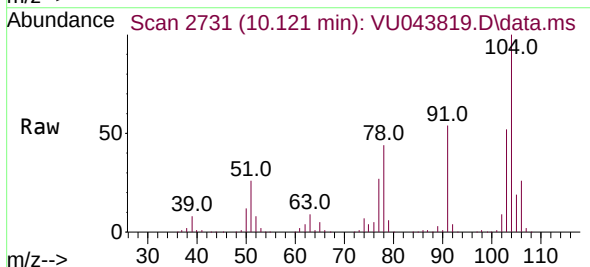
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

Tgt Ion:106 Resp: 322599  
Ion Ratio Lower Upper  
106 100  
91 213.9 151.6 281.6

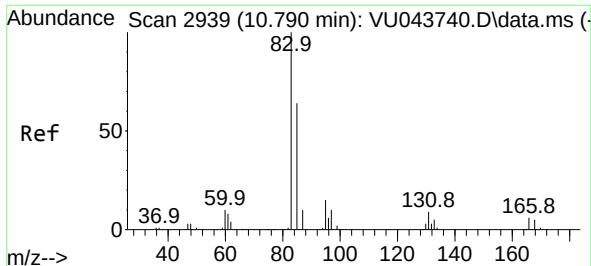


#55  
Styrene  
Concen: 51.53 ug/L  
RT: 10.121 min Scan# 2731  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion:104 Resp: 560656  
Ion Ratio Lower Upper  
104 100  
78 44.3 31.8 59.0



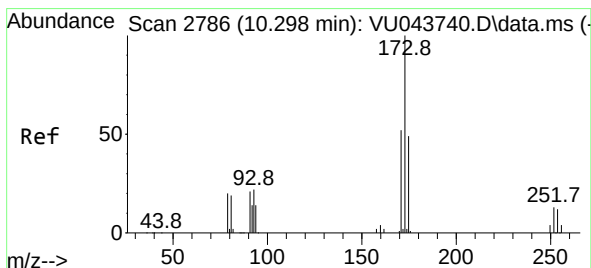
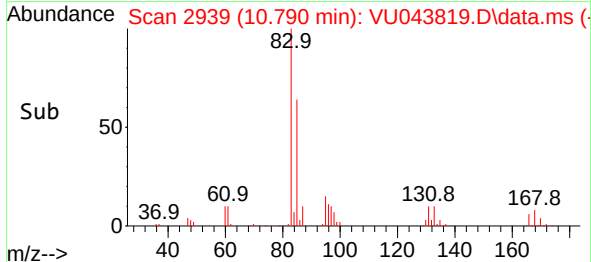
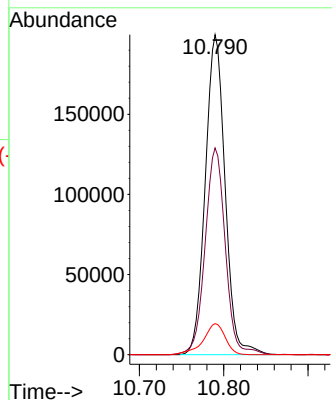
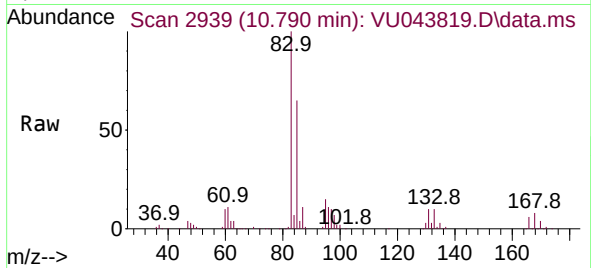




#57  
1,1,2,2-Tetrachloroethane  
Concen: 44.67 ug/L  
RT: 10.790 min Scan# 2939  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

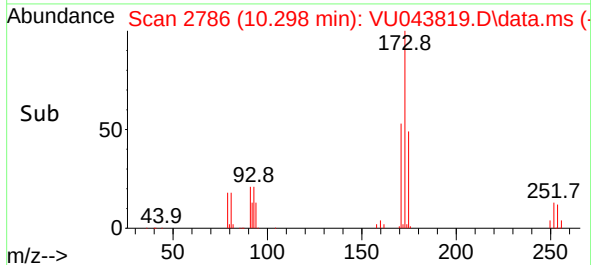
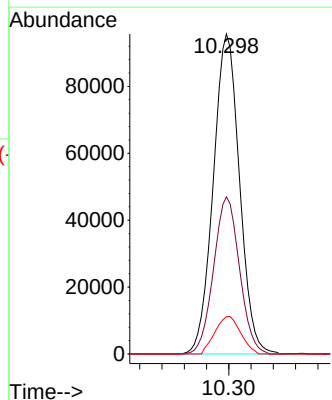
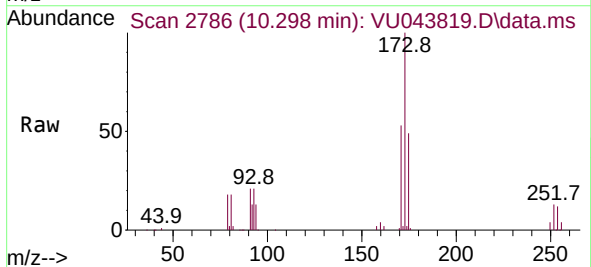
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

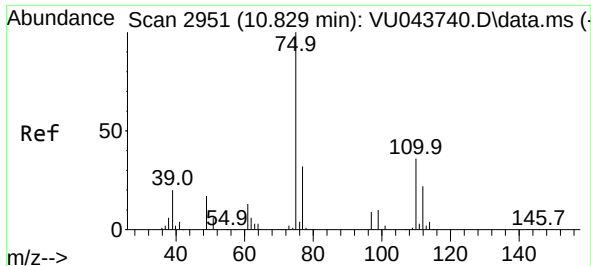
Tgt Ion: 83 Resp: 326962  
Ion Ratio Lower Upper  
83 100  
85 64.6 44.5 82.7  
131 9.7 7.4 11.2



#59  
Bromoform  
Concen: 45.43 ug/L  
RT: 10.298 min Scan# 2786  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion:173 Resp: 156279  
Ion Ratio Lower Upper  
173 100  
175 48.5 38.6 57.8  
254 11.5 6.8 10.2#

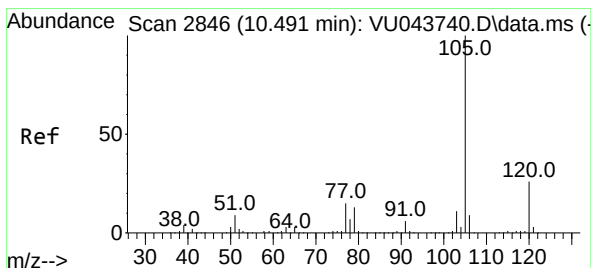
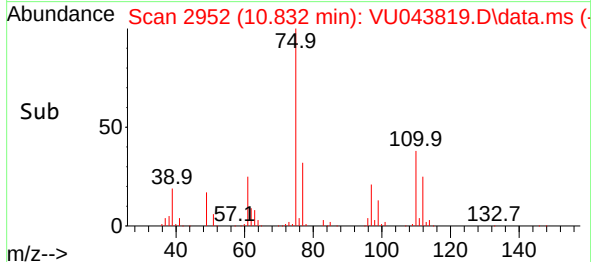
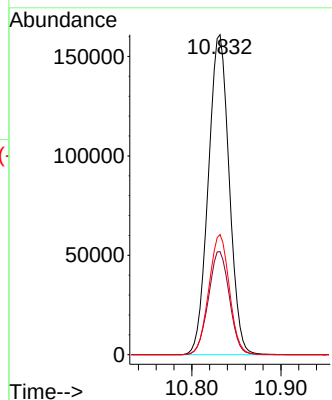
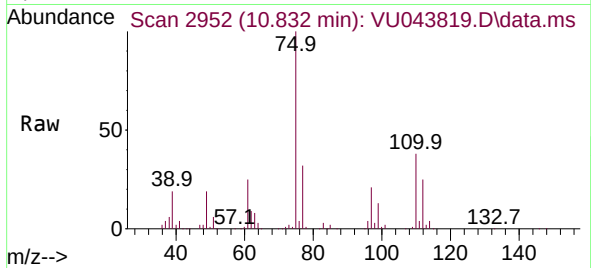




#60  
1,2,3-Trichloropropane  
Concen: 42.59 ug/L  
RT: 10.832 min Scan# 2952  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

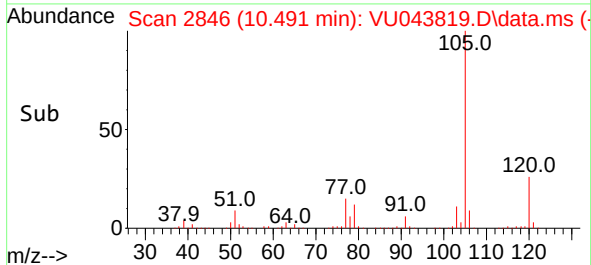
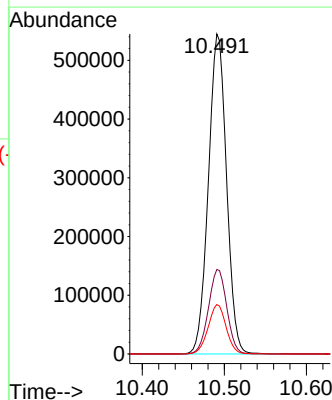
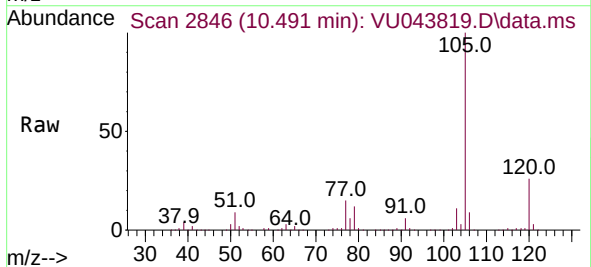
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

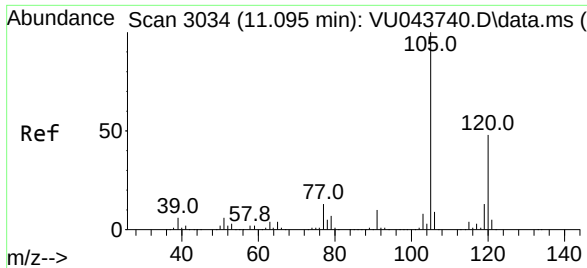
Tgt Ion: 75 Resp: 261629  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.8 38.6  
110 36.9 28.9 43.3



#61  
Isopropylbenzene  
Concen: 48.65 ug/L  
RT: 10.491 min Scan# 2846  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 105 Resp: 836362  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.0 31.4  
77 15.3 12.5 18.7

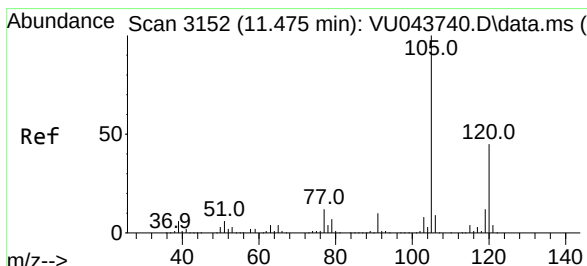
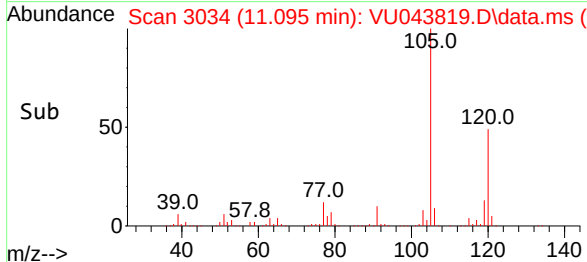
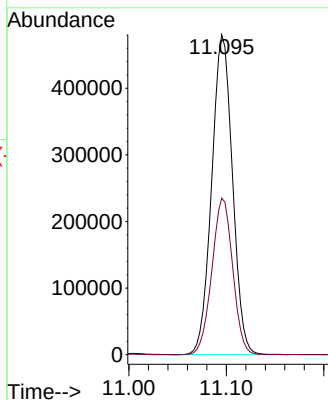
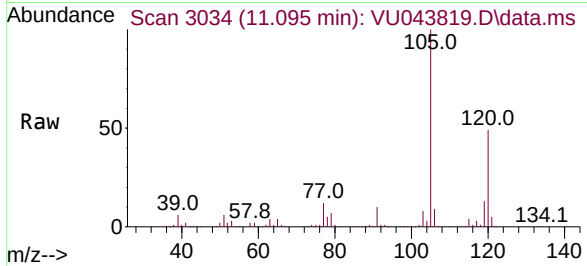




#62  
1,3,5-Trimethylbenzene  
Concen: 49.90 ug/L  
RT: 11.095 min Scan# 3034  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

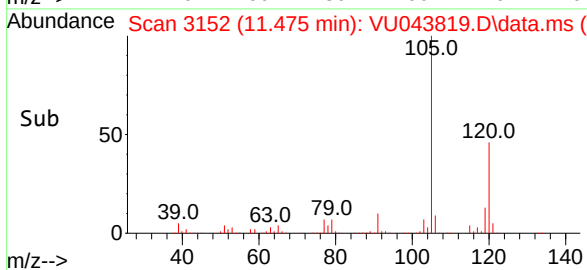
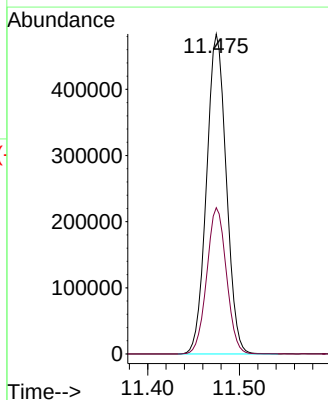
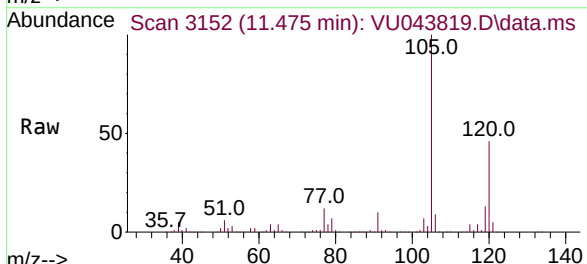
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

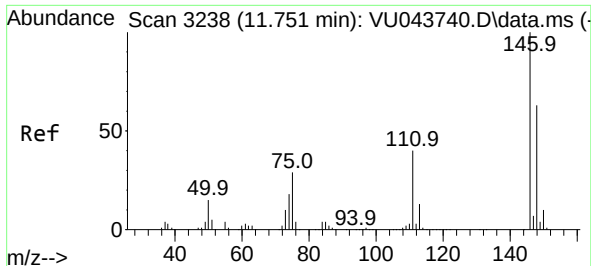
Tgt Ion:105 Resp: 712404  
Ion Ratio Lower Upper  
105 100  
120 49.0 38.7 58.1



#63  
1,2,4-Trimethylbenzene  
Concen: 50.39 ug/L  
RT: 11.475 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion:105 Resp: 722500  
Ion Ratio Lower Upper  
105 100  
120 45.6 36.2 54.2

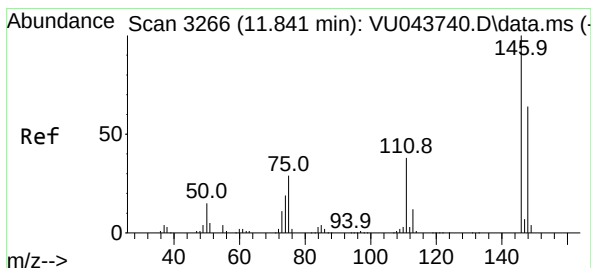
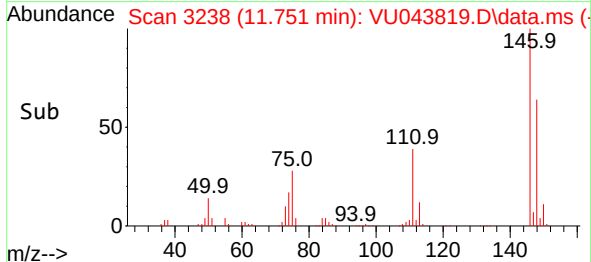
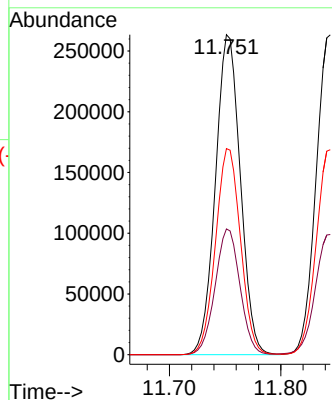
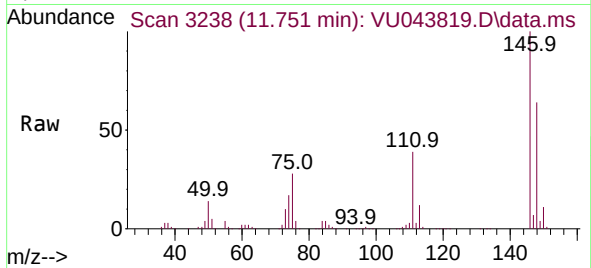




#64  
1,3-Dichlorobenzene  
Concen: 48.99 ug/L  
RT: 11.751 min Scan# 3238  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

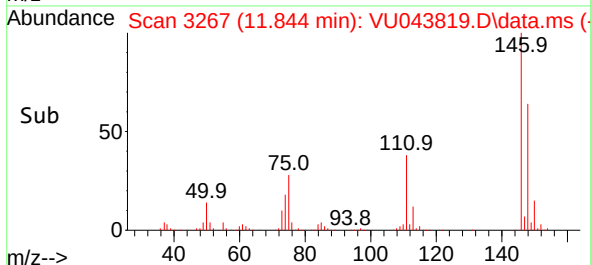
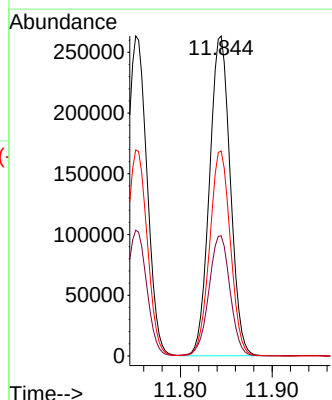
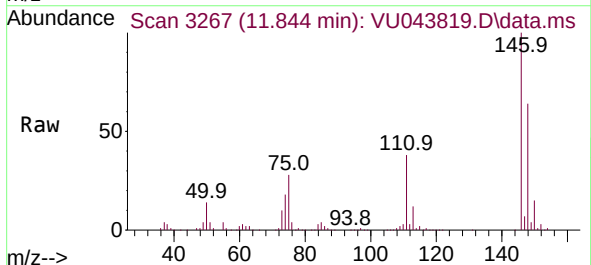
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

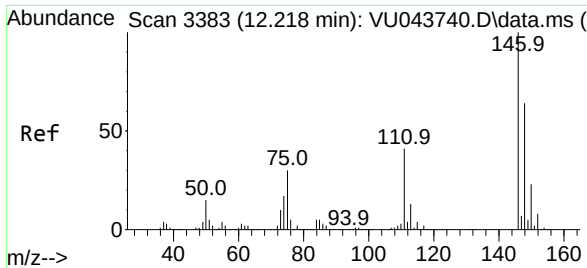
Tgt Ion:146 Resp: 409580  
Ion Ratio Lower Upper  
146 100  
111 39.3 27.8 51.6  
148 64.4 44.9 83.3



#65  
1,4-Dichlorobenzene  
Concen: 48.60 ug/L  
RT: 11.844 min Scan# 3267  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion:146 Resp: 414510  
Ion Ratio Lower Upper  
146 100  
111 37.6 27.1 50.3  
148 64.1 45.4 84.4

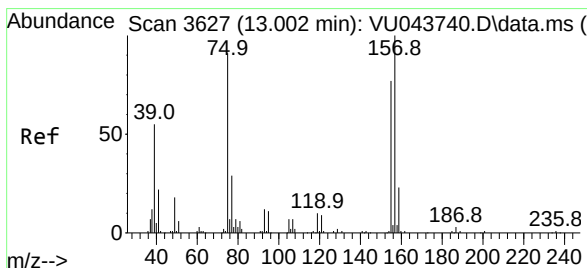
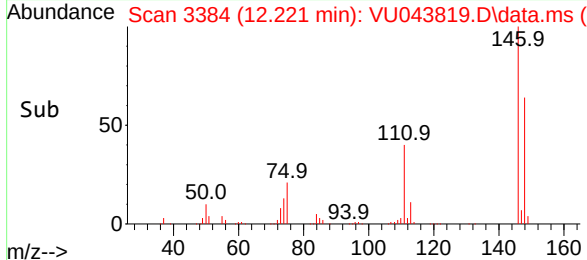
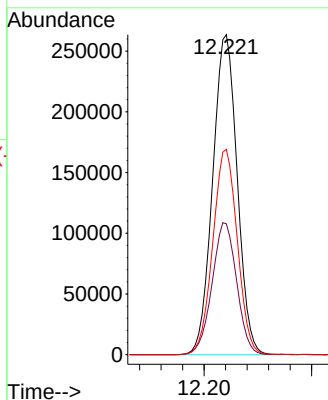
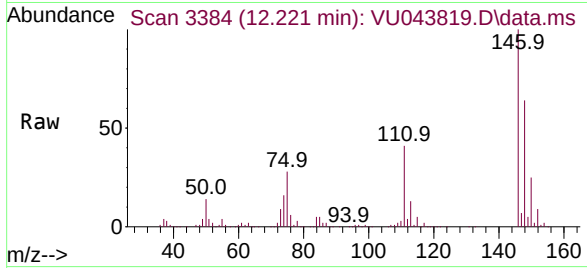




#67  
1,2-Dichlorobenzene  
Concen: 47.95 ug/L  
RT: 12.221 min Scan# 3384  
Delta R.T. 0.003 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

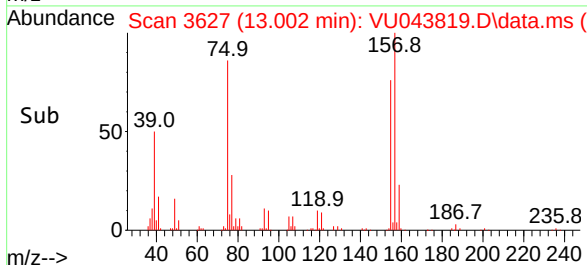
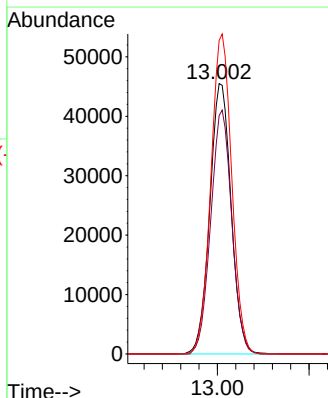
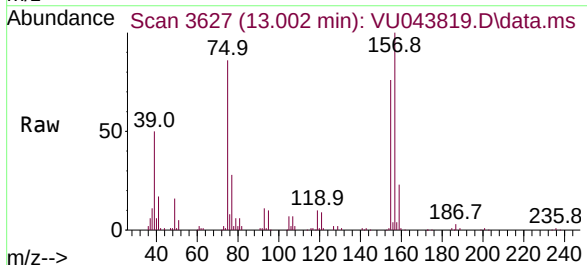
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

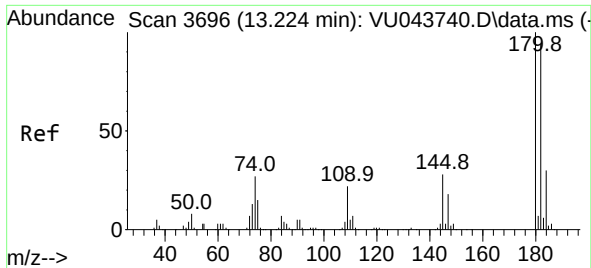
Tgt Ion:146 Resp: 417543  
Ion Ratio Lower Upper  
146 100  
111 40.9 33.5 50.3  
148 64.2 51.7 77.5



#68  
1,2-Dibromo-3-chloropropane  
Concen: 43.61 ug/L  
RT: 13.002 min Scan# 3627  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion: 75 Resp: 73342  
Ion Ratio Lower Upper  
75 100  
155 88.2 72.5 108.7  
157 120.7 92.3 138.5



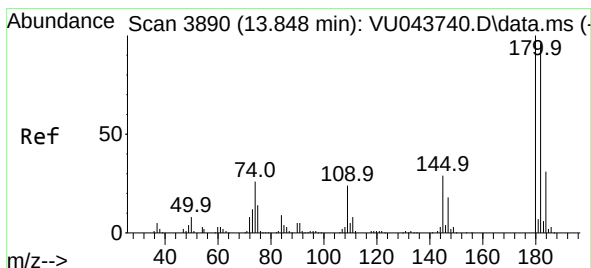
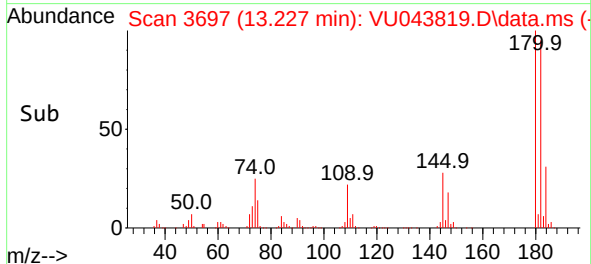
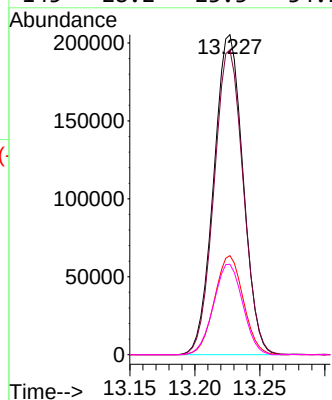
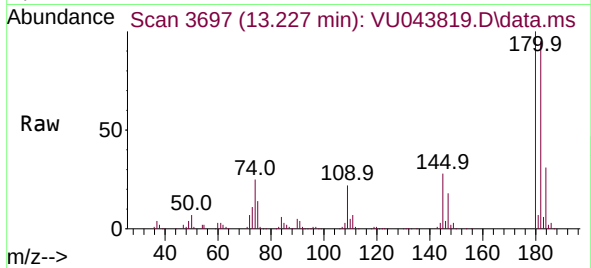


#69  
 1,3,5-Trichlorobenzene  
 Concen: 51.91 ug/L  
 RT: 13.227 min Scan# 3697  
 Delta R.T. 0.003 min  
 Lab File: VU043819.D  
 Acq: 19 May 2021 11:01

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050148

Tgt Ion:180 Resp: 321668

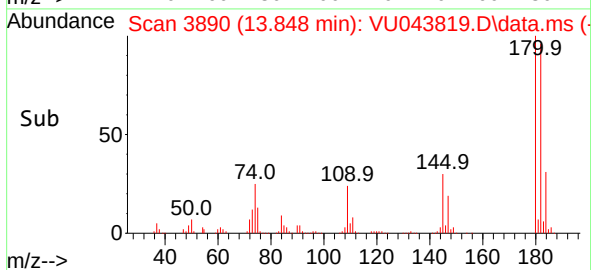
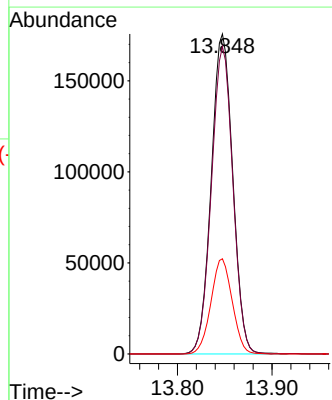
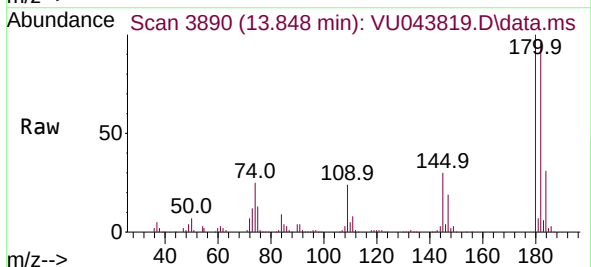
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.2  | 76.4  | 114.6 |
| 184 | 30.5  | 25.0  | 37.4  |
| 145 | 28.2  | 23.3  | 34.9  |

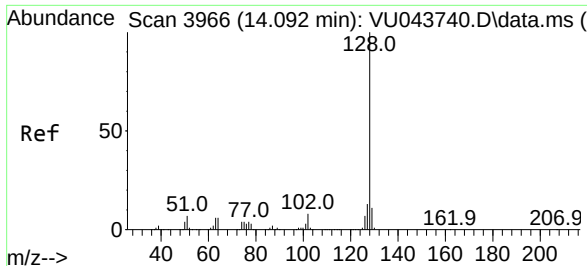


#70  
 1,2,4-trichlorobenzene  
 Concen: 52.44 ug/L  
 RT: 13.848 min Scan# 3890  
 Delta R.T. 0.000 min  
 Lab File: VU043819.D  
 Acq: 19 May 2021 11:01

Tgt Ion:180 Resp: 277602

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.7  | 75.9  | 113.9 |
| 145 | 29.4  | 23.4  | 35.0  |

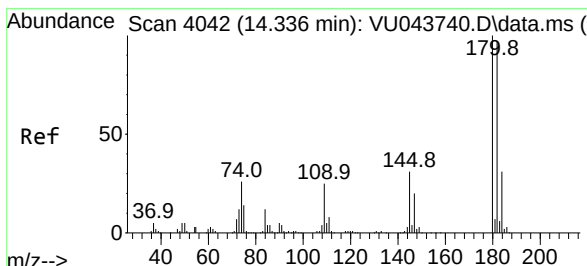
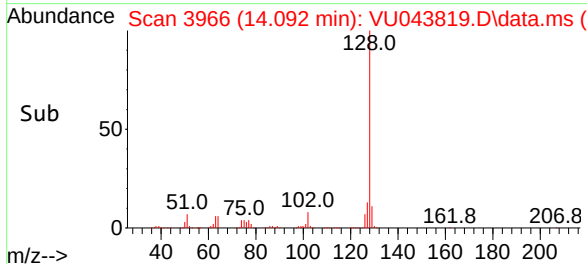
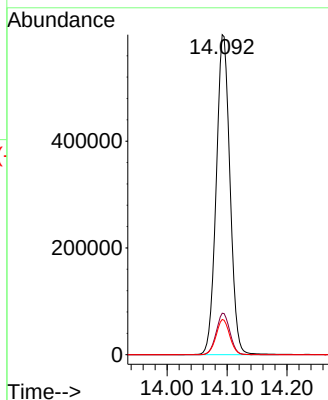
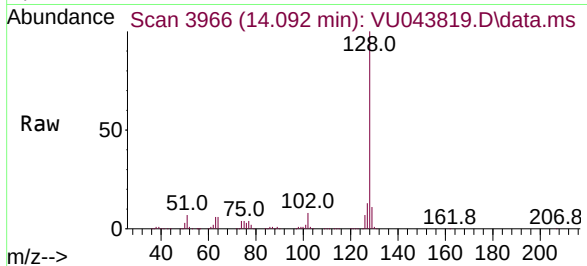




#71  
Naphthalene  
Concen: 53.70 ug/L  
RT: 14.092 min Scan# 3966  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050148

Tgt Ion:128 Resp: 948373  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.4 15.6  
129 10.9 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 53.30 ug/L  
RT: 14.336 min Scan# 4042  
Delta R.T. 0.000 min  
Lab File: VU043819.D  
Acq: 19 May 2021 11:01

Tgt Ion:180 Resp: 297036  
Ion Ratio Lower Upper  
180 100  
182 96.1 76.9 115.3  
145 30.9 24.9 37.3

