

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU043021\  
 Data File : VU043419.D  
 Acq On : 29 Apr 2021 12:21  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 30 07:23:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 27 23:46:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.259  | 114   | 90374    | 5.00     | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 89833    | 5.00     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 47230    | 5.00     | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 21200    | 4.61     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 92.20%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 19998    | 4.62     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 92.40%   |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 13367    | 5.03     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 100.60%  |
| 20) 2-Butanone-d5             | 4.655  | 46    | 116006   | 57.55    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 115.10%  |
| 24) Chloroform-d              | 5.073  | 84    | 61465    | 5.26     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 105.20%  |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 37798    | 4.78     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 95.60%   |
| 32) Benzene-d6                | 5.739  | 84    | 107767   | 5.15     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 103.00%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 37519    | 5.41     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 108.20%  |
| 41) Toluene-d8                | 7.906  | 98    | 99559    | 4.58     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 91.60%   |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 14494    | 4.73     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 94.60%   |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 70710    | 46.28    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 92.56%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 31307    | 5.13     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 102.60%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 36390    | 4.49     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 89.80%   |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 32262    | 5.57     | ug/L  | 98       |
| 3) Chloromethane              | 1.520  | 50    | 31682    | 5.56     | ug/L  | 98       |
| 5) Vinyl chloride             | 1.607  | 62    | 31043    | 5.23     | ug/L  | 99       |
| 6) Bromomethane               | 1.861  | 94    | 17085    | 4.82     | ug/L  | 100      |
| 8) Chloroethane               | 1.938  | 64    | 19040    | 4.45     | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 49856    | 4.51     | ug/L  | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101   | 30126    | 5.04     | ug/L  | 93       |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 25798    | 5.14     | ug/L  | 73       |
| 13) Acetone                   | 2.671  | 43    | 84696    | 57.19    | ug/L  | 75       |
| 14) Carbon disulfide          | 2.800  | 76    | 64117    | 5.01     | ug/L  | 100      |
| 15) Methyl Acetate            | 2.970  | 43    | 17375    | 6.24     | ug/L  | # 82     |
| 16) Methylene chloride        | 3.054  | 84    | 35605    | 5.48     | ug/L  | # 72     |
| 17) Methyl tert-butyl Ether   | 3.375  | 73    | 76442    | 4.65     | ug/L  | # 91     |
| 18) trans-1,2-Dichloroethene  | 3.362  | 96    | 26862    | 5.02     | ug/L  | 88       |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 63547    | 5.45     | ug/L  | 97       |
| 21) 2-Butanone                | 4.739  | 43    | 132202   | 54.09    | ug/L  | 77       |
| 22) cis-1,2-Dichloroethene    | 4.678  | 96    | 31073    | 4.90     | ug/L  | 85       |
| 23) Bromochloromethane        | 4.986  | 128   | 14055    | 4.86     | ug/L  | # 67     |
| 25) Chloroform                | 5.099  | 83    | 64481    | 5.18     | ug/L  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU043021\  
 Data File : VU043419.D  
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 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 30 07:23:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 27 23:46:47 2021  
 Response via : Initial Calibration

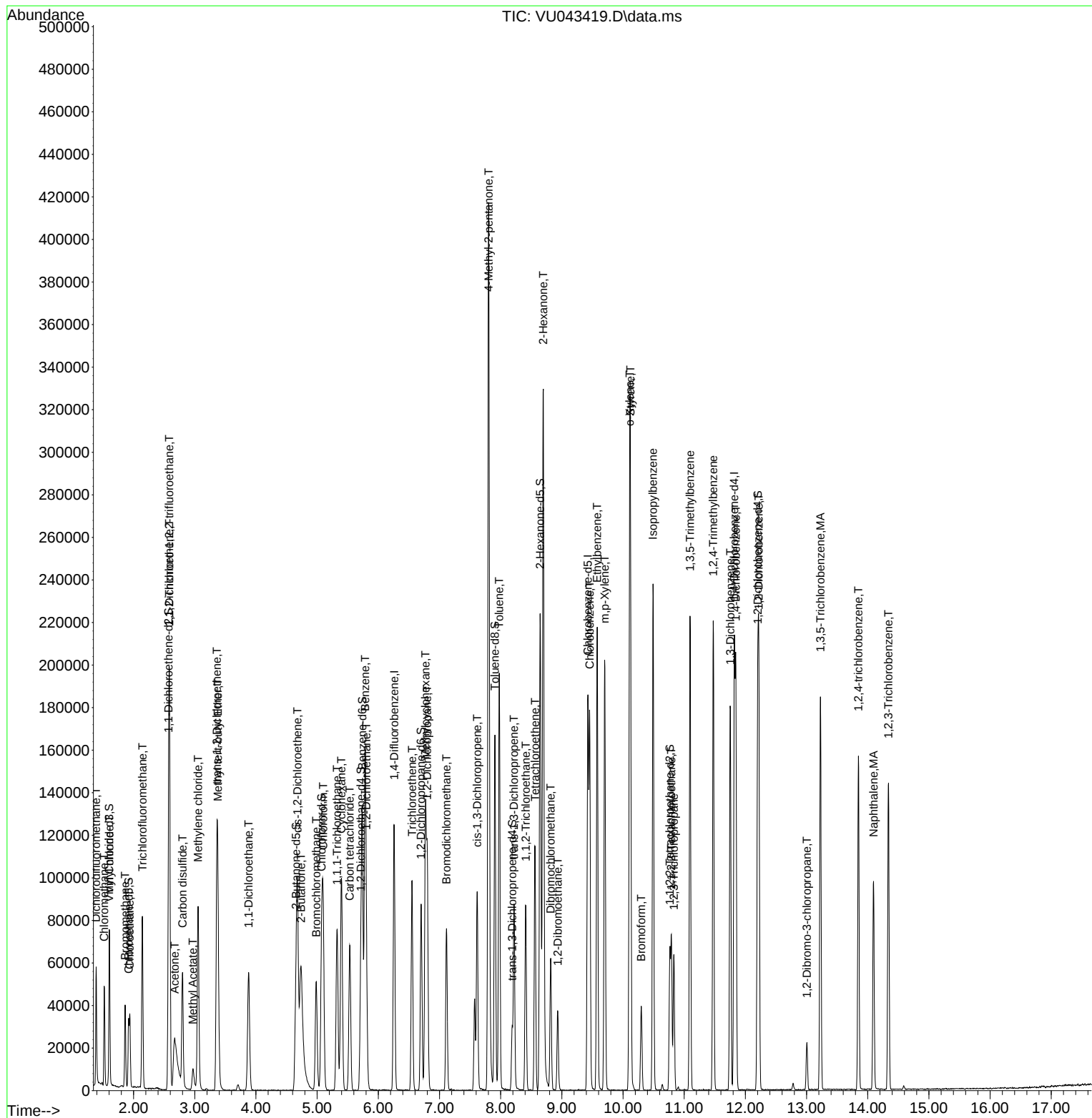
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 45919    | 5.03  | ug/L # | 94       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 53659    | 4.84  | ug/L # | 92       |
| 30) Cyclohexane               | 5.398  | 56   | 45258    | 4.76  | ug/L # | 84       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 43065    | 4.66  | ug/L   | 98       |
| 33) Benzene                   | 5.784  | 78   | 125671   | 5.23  | ug/L   | 100      |
| 34) Trichloroethene           | 6.552  | 95   | 31338    | 4.74  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.771  | 83   | 42000    | 4.59  | ug/L # | 86       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 37255    | 5.51  | ug/L # | 96       |
| 38) Bromodichloromethane      | 7.115  | 83   | 47134    | 5.19  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 47958    | 4.85  | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 309230   | 51.11 | ug/L # | 82       |
| 42) Toluene                   | 7.976  | 91   | 133127   | 4.96  | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 43661    | 4.69  | ug/L   | 93       |
| 45) 1,1,2-Trichloroethane     | 8.411  | 97   | 24997    | 4.95  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.562  | 164  | 24001    | 4.58  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.697  | 43   | 235253   | 52.84 | ug/L # | 83       |
| 49) Dibromochloromethane      | 8.819  | 129  | 29536    | 4.63  | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 22950    | 4.56  | ug/L   | 98       |
| 51) Chlorobenzene             | 9.455  | 112  | 81816    | 4.78  | ug/L   | 93       |
| 52) Ethylbenzene              | 9.578  | 91   | 140532   | 4.57  | ug/L   | 97       |
| 53) m,p-Xylene                | 9.703  | 106  | 50852    | 4.52  | ug/L   | 89       |
| 54) o-Xylene                  | 10.108 | 106  | 50424    | 4.53  | ug/L   | 89       |
| 55) Styrene                   | 10.121 | 104  | 89730    | 4.70  | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 32491    | 4.89  | ug/L   | 98       |
| 59) Bromoform                 | 10.298 | 173  | 17430    | 4.52  | ug/L # | 97       |
| 60) Isopropylbenzene          | 10.491 | 105  | 137899   | 4.55  | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 10.832 | 75   | 24207    | 4.96  | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 109421   | 4.41  | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 112291   | 4.41  | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 11.754 | 146  | 67173    | 4.67  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.844 | 146  | 68349    | 4.68  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 64793    | 4.64  | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 5707     | 4.80  | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 52374    | 4.44  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 43103    | 4.41  | ug/L   | 100      |
| 71) Naphthalene               | 14.095 | 128  | 72955    | 4.43  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.340 | 180  | 40532    | 4.53  | ug/L   | 99       |

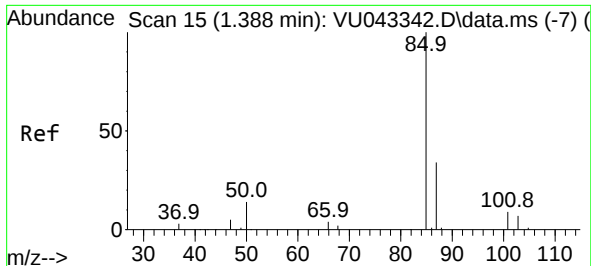
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU043021\  
 Data File : VU043419.D  
 Acq On : 29 Apr 2021 12:21  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 30 07:23:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 27 23:46:47 2021  
 Response via : Initial Calibration

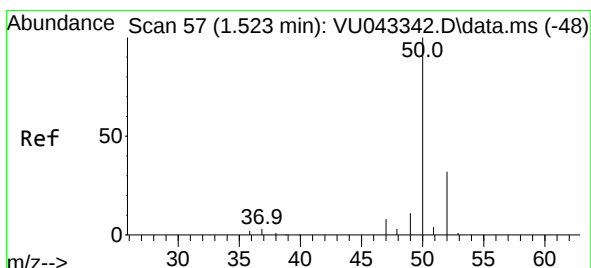
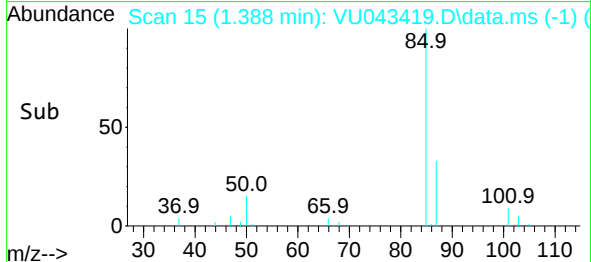
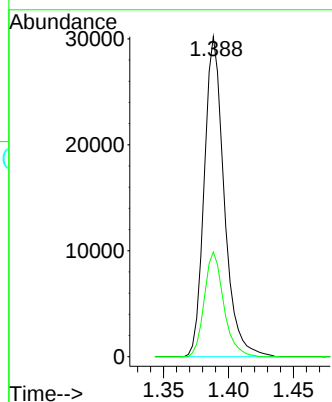
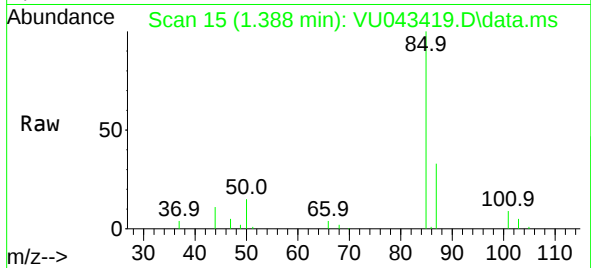




#2  
Dichlorodifluoromethane  
Concen: 5.57 ug/L  
RT: 1.388 min Scan# 15  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

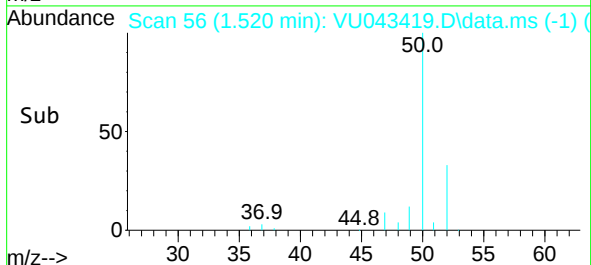
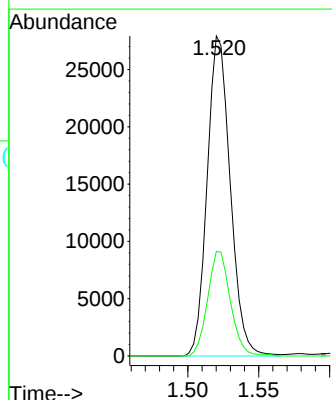
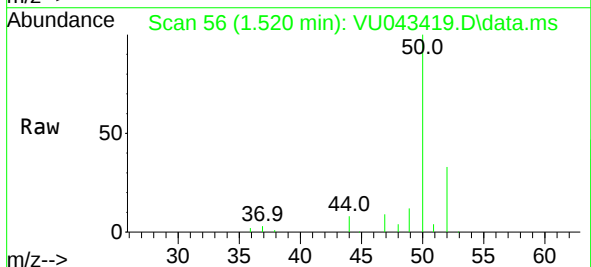
Instrument :  
MSVOA\_U  
ClientSampleId :

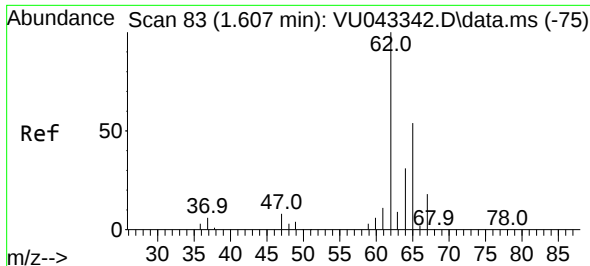
Tgt Ion: 85 Resp: 32262  
Ion Ratio Lower Upper  
85 100  
87 31.8 26.3 39.5



#3  
Chloromethane  
Concen: 5.56 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 50 Resp: 31682  
Ion Ratio Lower Upper  
50 100  
52 32.6 23.6 43.8

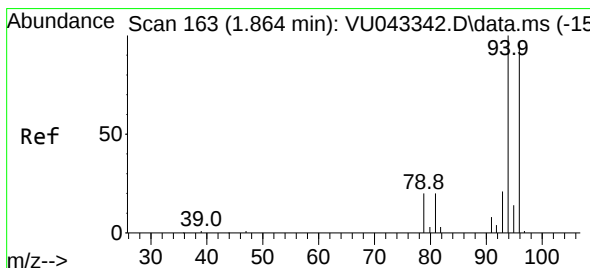
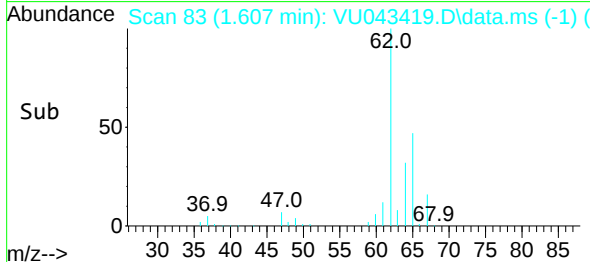
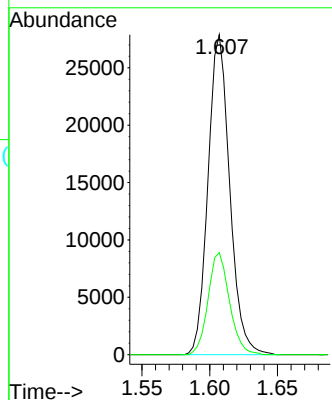
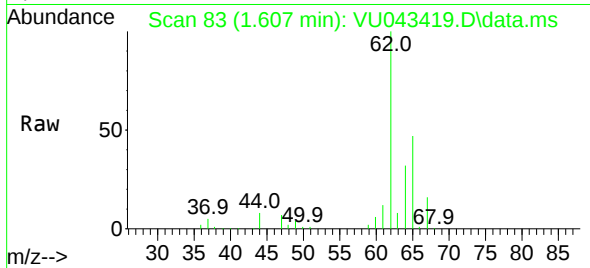




#5  
 Vinyl chloride  
 Concen: 5.23 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: VU043419.D  
 Acq: 29 Apr 2021 12:21

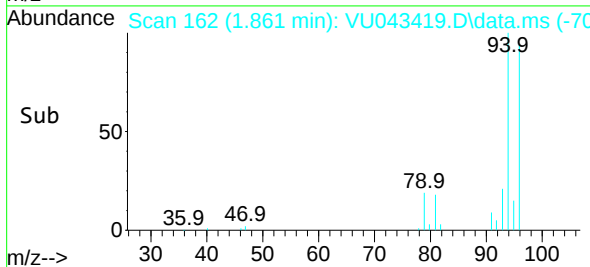
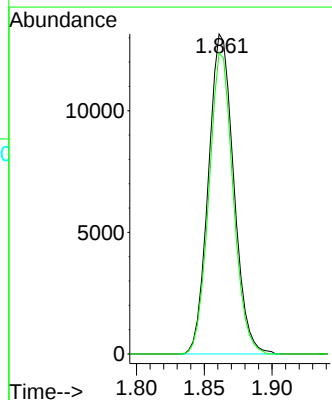
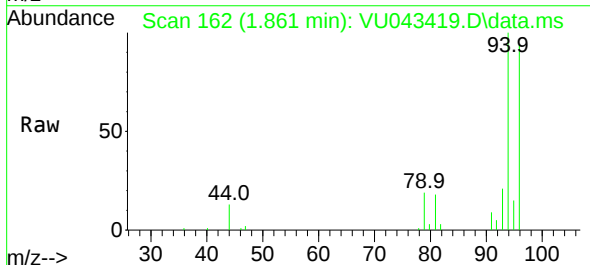
Instrument :  
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 ClientSampleId :

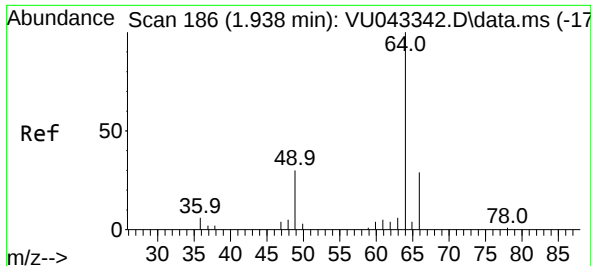
Tgt Ion: 62 Resp: 31043  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 22.8 42.4



#6  
 Bromomethane  
 Concen: 4.82 ug/L  
 RT: 1.861 min Scan# 162  
 Delta R.T. -0.003 min  
 Lab File: VU043419.D  
 Acq: 29 Apr 2021 12:21

Tgt Ion: 94 Resp: 17085  
 Ion Ratio Lower Upper  
 94 100  
 96 94.1 66.1 122.7

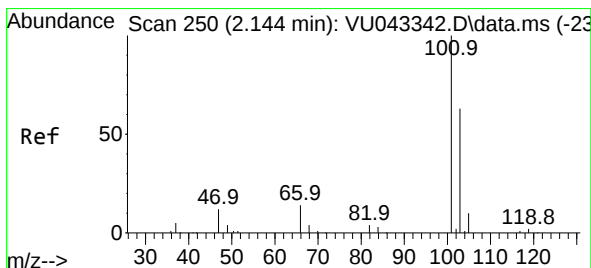
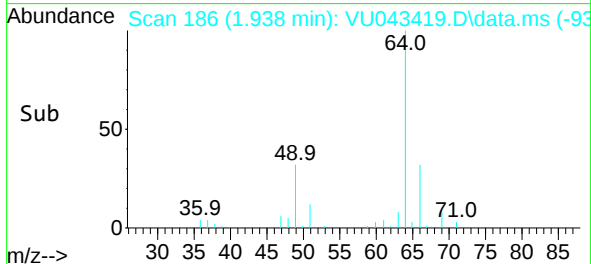
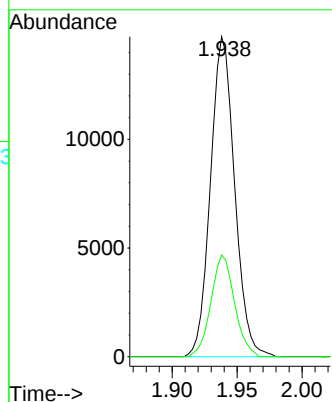
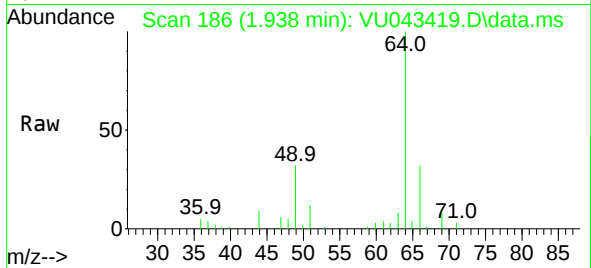




#8  
Chloroethane  
Concen: 4.45 ug/L  
RT: 1.938 min Scan# 186  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

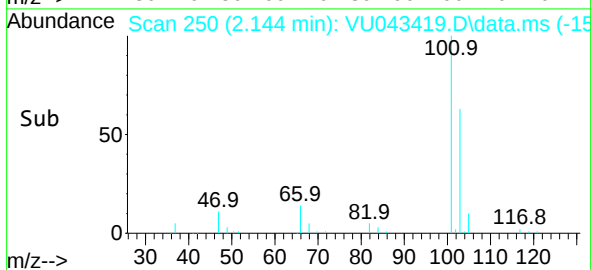
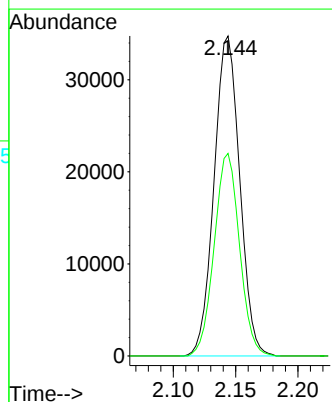
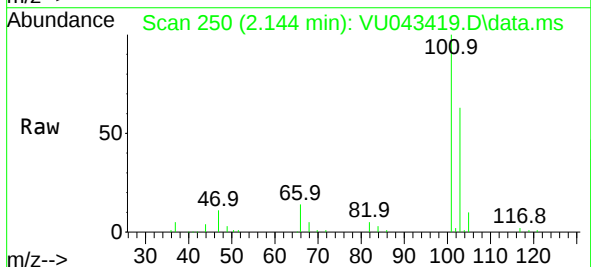
Instrument :  
MSVOA\_U  
ClientSampleId :

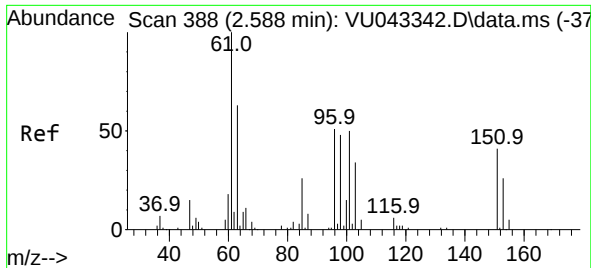
Tgt Ion: 64 Resp: 19040  
Ion Ratio Lower Upper  
64 100  
66 31.8 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 4.51 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion:101 Resp: 49856  
Ion Ratio Lower Upper  
101 100  
103 62.4 51.5 77.3

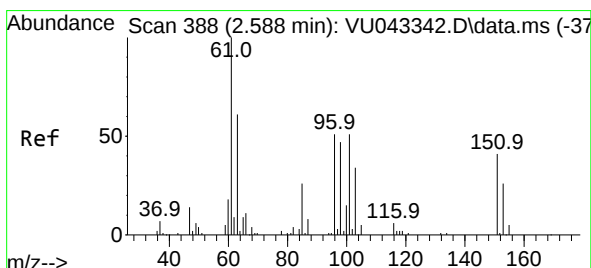
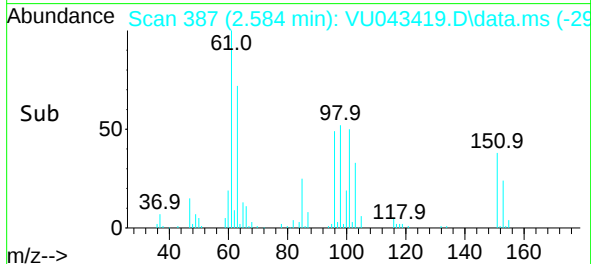
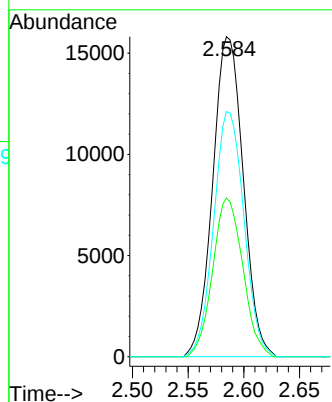
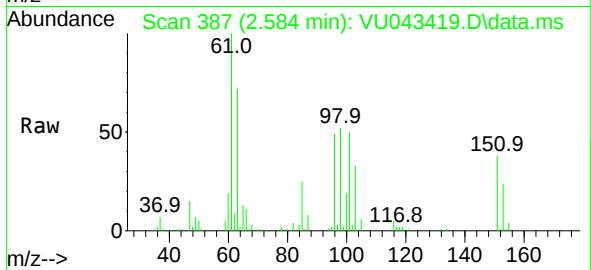




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.04 ug/L  
RT: 2.584 min Scan# 387  
Delta R.T. -0.003 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

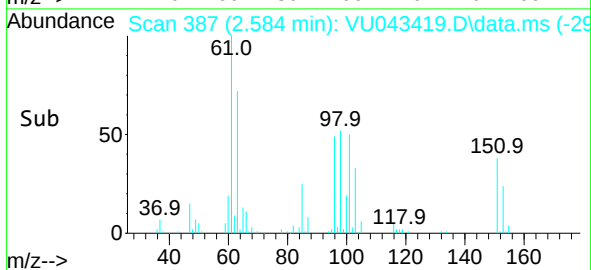
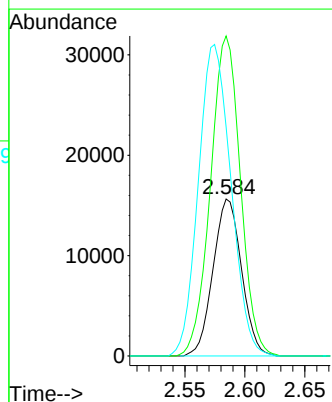
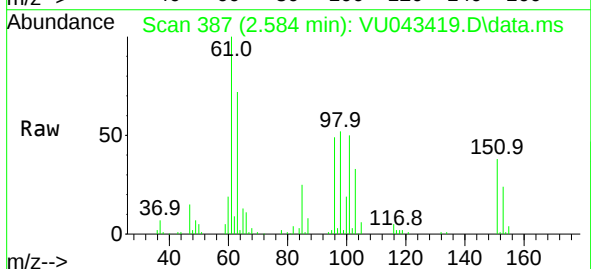
Instrument :  
MSVOA\_U  
ClientSampleId :

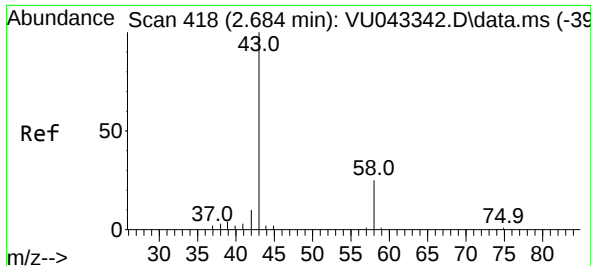
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Ion Ratio Lower Upper  
101 100  
85 49.0 34.5 51.7  
151 76.1 57.4 86.2



#12  
1,1-Dichloroethene  
Concen: 5.14 ug/L  
RT: 2.584 min Scan# 387  
Delta R.T. -0.003 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 96 Resp: 25798  
Ion Ratio Lower Upper  
96 100  
61 203.9 115.1 213.7  
63 146.0 84.1 156.1

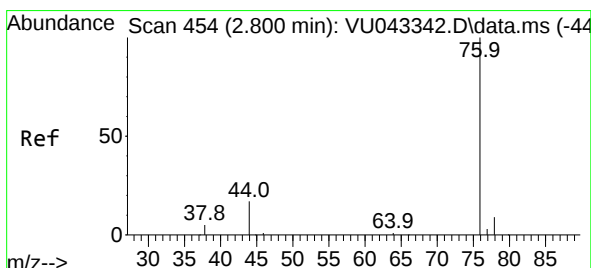
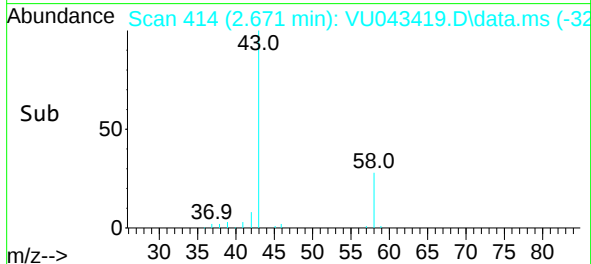
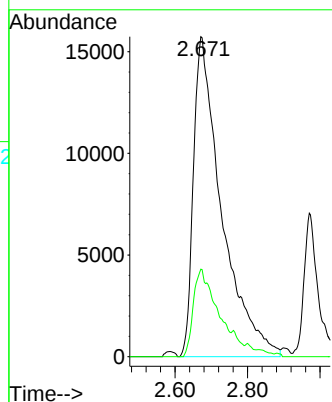
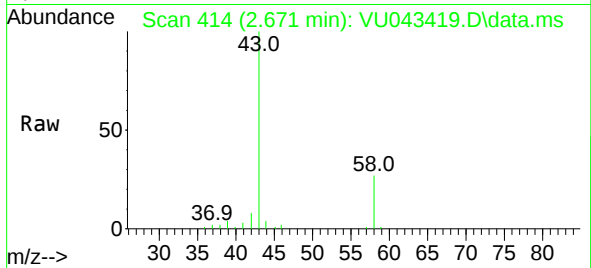




#13  
Acetone  
Concen: 57.19 ug/L  
RT: 2.671 min Scan# 414  
Delta R.T. -0.013 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

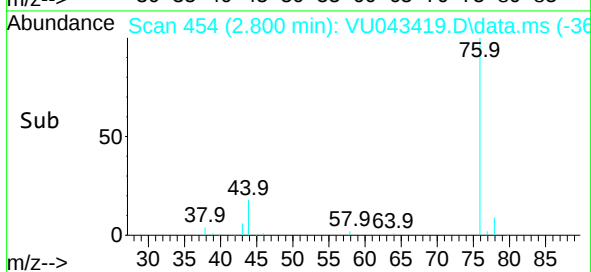
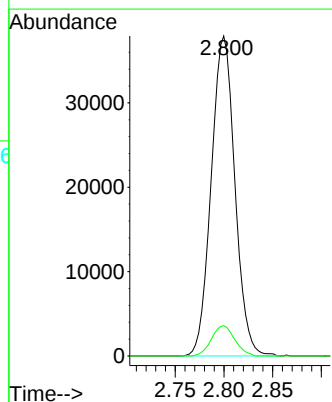
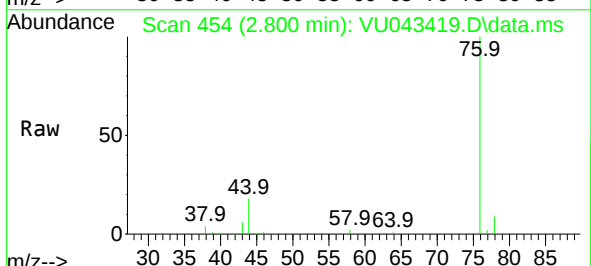
Instrument :  
MSVOA\_U  
ClientSampled :

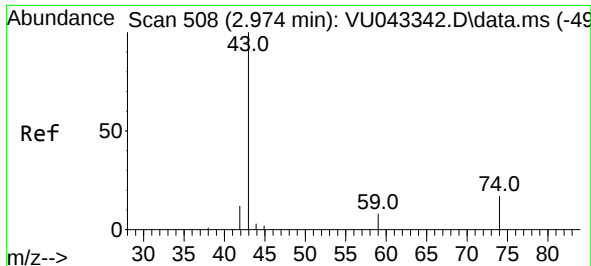
Tgt Ion: 43 Resp: 84696  
Ion Ratio Lower Upper  
43 100  
58 22.5 0.0 25.0



#14  
Carbon disulfide  
Concen: 5.01 ug/L  
RT: 2.800 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 76 Resp: 64117  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.5 11.3

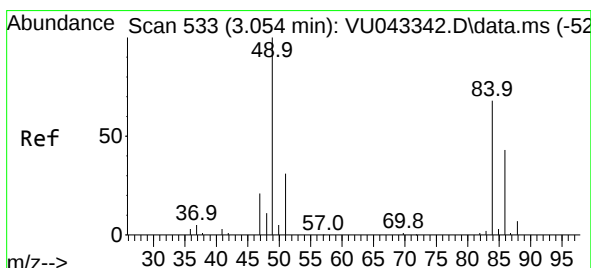
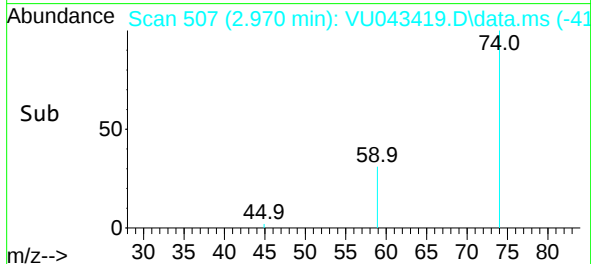
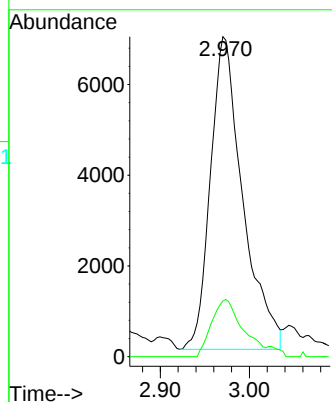
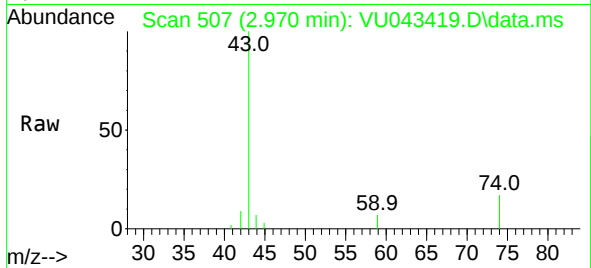




#15  
Methyl Acetate  
Concen: 6.24 ug/L  
RT: 2.970 min Scan# 507  
Delta R.T. -0.003 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

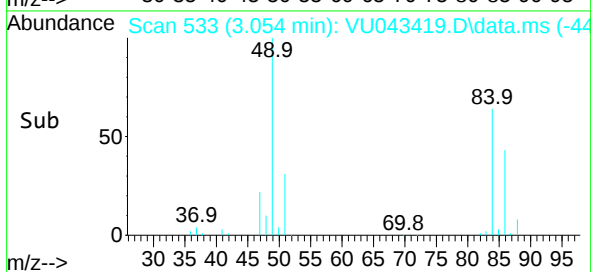
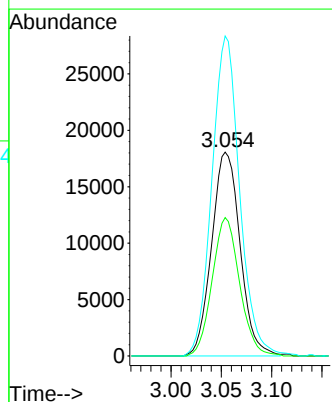
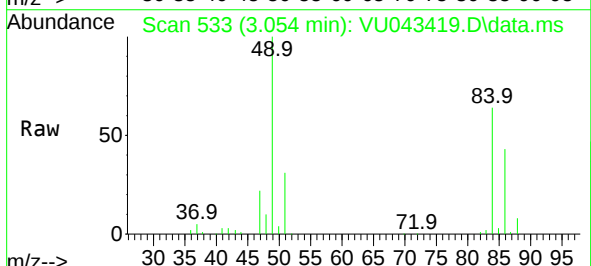
Instrument :  
MSVOA\_U  
ClientSampleId :

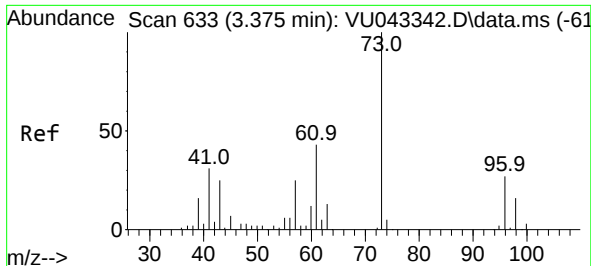
Tgt Ion: 43 Resp: 17375  
Ion Ratio Lower Upper  
43 100  
74 17.6 21.5 32.3#



#16  
Methylene chloride  
Concen: 5.48 ug/L  
RT: 3.054 min Scan# 533  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 84 Resp: 35605  
Ion Ratio Lower Upper  
84 100  
86 67.9 44.9 83.5  
49 157.0 79.0 146.8#

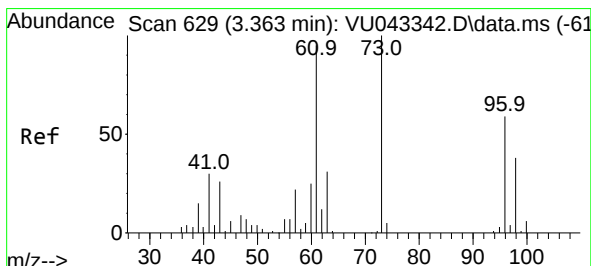
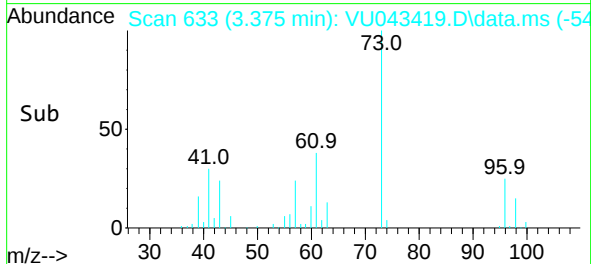
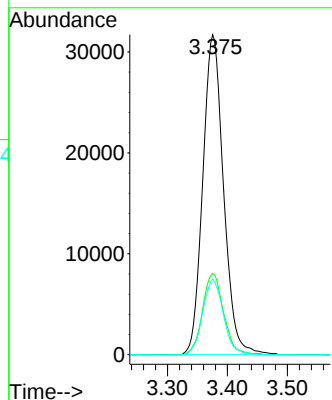
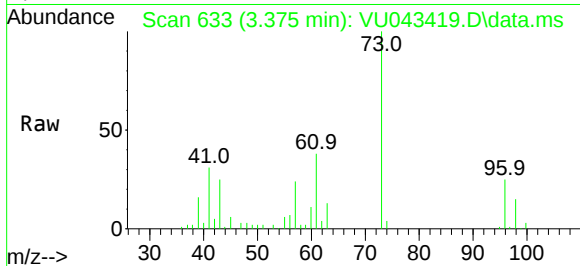




#17  
Methyl tert-butyl Ether  
Concen: 4.65 ug/L  
RT: 3.375 min Scan# 633  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

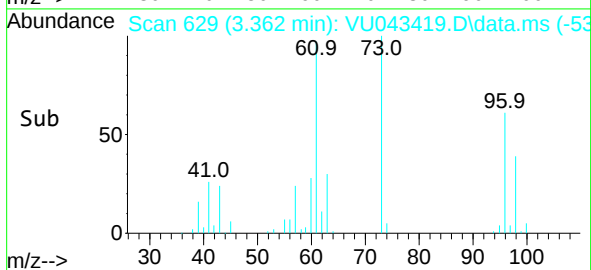
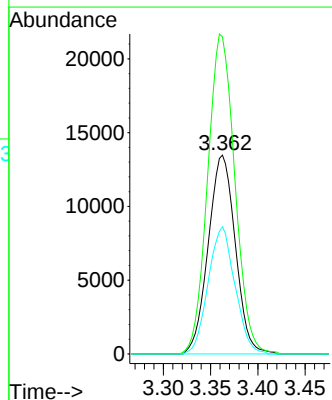
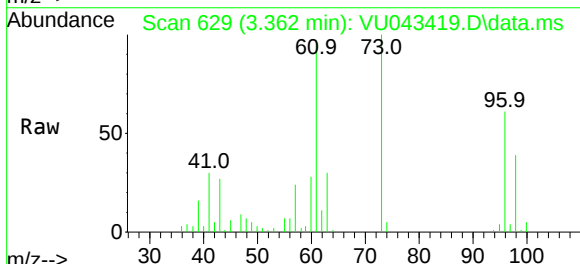
Instrument :  
MSVOA\_U  
ClientSampled :

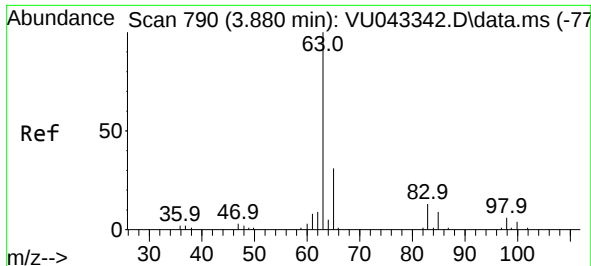
Tgt Ion: 73 Resp: 76442  
Ion Ratio Lower Upper  
73 100  
43 25.6 15.0 22.4#  
57 23.4 17.3 25.9



#18  
trans-1,2-Dichloroethene  
Concen: 5.02 ug/L  
RT: 3.362 min Scan# 629  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 96 Resp: 26862  
Ion Ratio Lower Upper  
96 100  
61 159.5 96.6 179.4  
98 64.0 44.7 82.9





#19

1,1-Dichloroethane

Concen: 5.45 ug/L

RT: 3.880 min Scan# 790

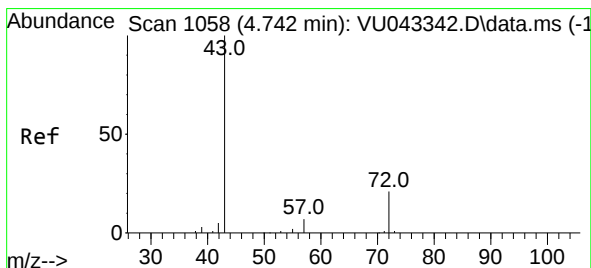
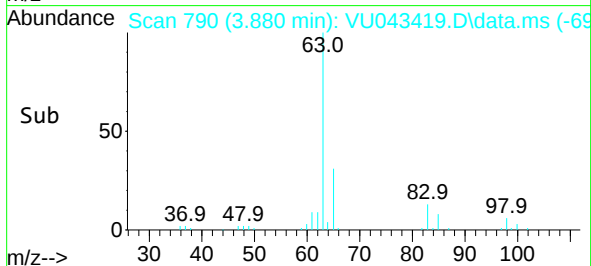
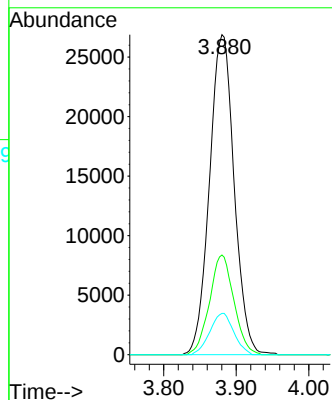
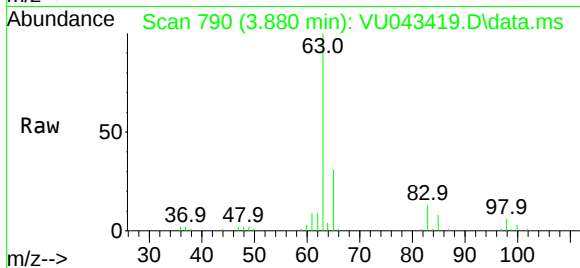
Delta R.T. -0.000 min

Lab File: VU043419.D

Acq: 29 Apr 2021 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 63547 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.1  | 23.2  | 43.0  |
| 83       | 12.9  | 9.9   | 18.3  |

Instrument :  
MSVOA\_U  
ClientSampleId :



#21

2-Butanone

Concen: 54.09 ug/L

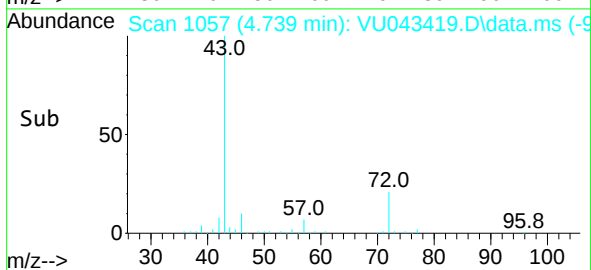
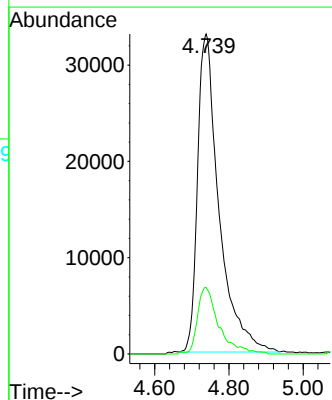
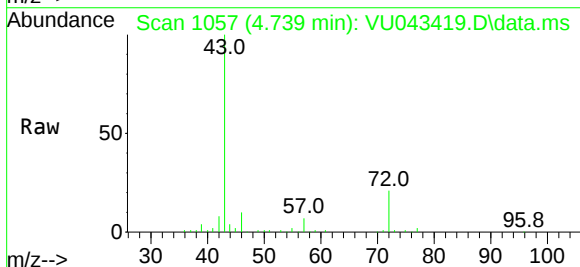
RT: 4.739 min Scan# 1057

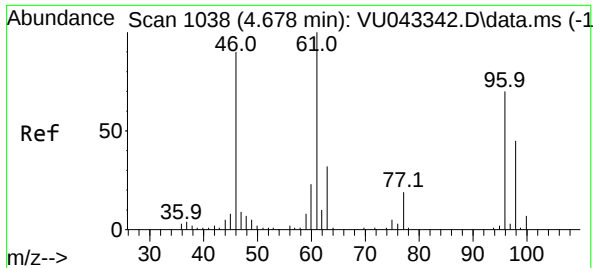
Delta R.T. -0.003 min

Lab File: VU043419.D

Acq: 29 Apr 2021 12:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 132202 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 72       | 18.6  | 15.8  | 47.3   |

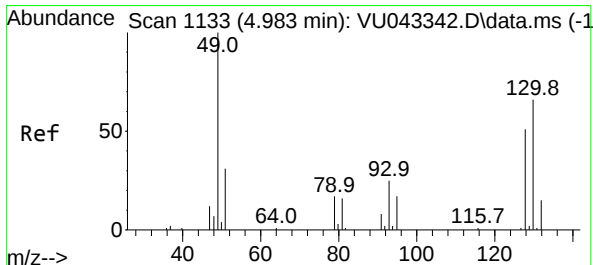
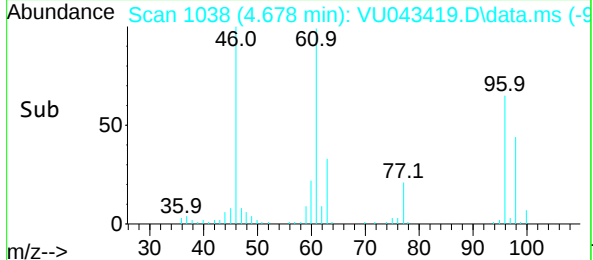
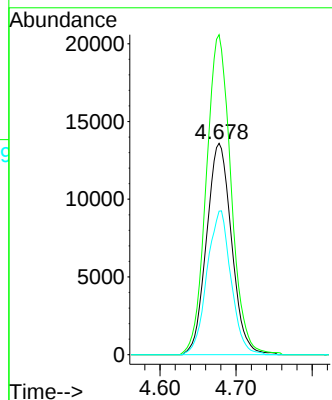
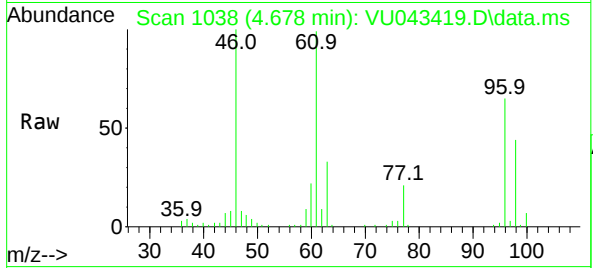




#22  
cis-1,2-Dichloroethene  
Concen: 4.90 ug/L  
RT: 4.678 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

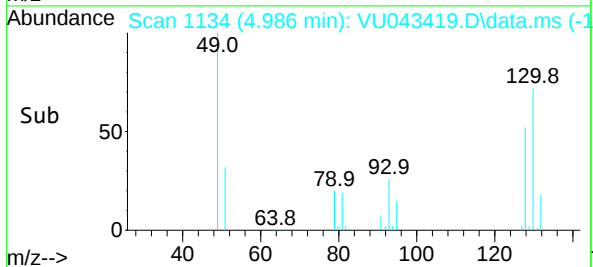
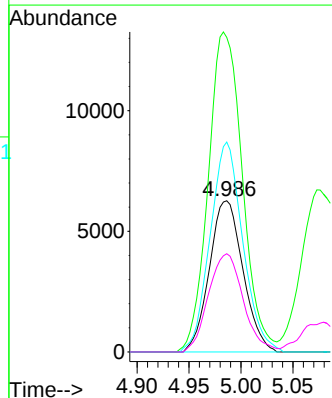
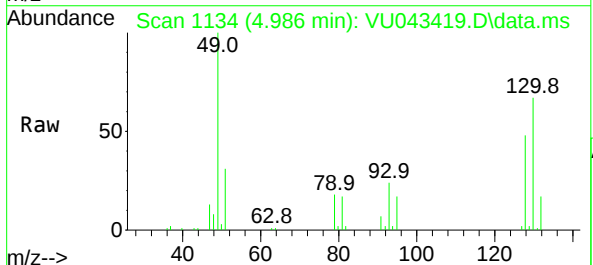
Instrument :  
MSVOA\_U  
ClientSampleId :

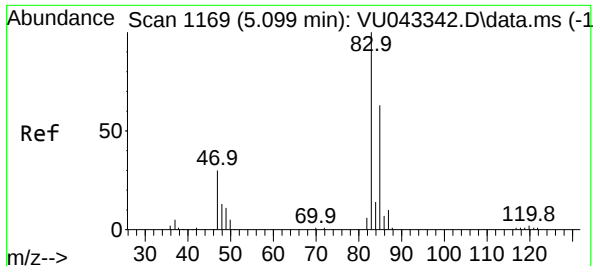
Tgt Ion: 96 Resp: 31073  
Ion Ratio Lower Upper  
96 100  
61 151.4 87.4 162.4  
98 67.9 47.7 88.5



#23  
Bromochloromethane  
Concen: 4.86 ug/L  
RT: 4.986 min Scan# 1134  
Delta R.T. 0.003 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion:128 Resp: 14055  
Ion Ratio Lower Upper  
128 100  
49 208.1 96.4 179.0#  
130 138.9 91.2 169.4  
51 65.0 35.0 52.6#



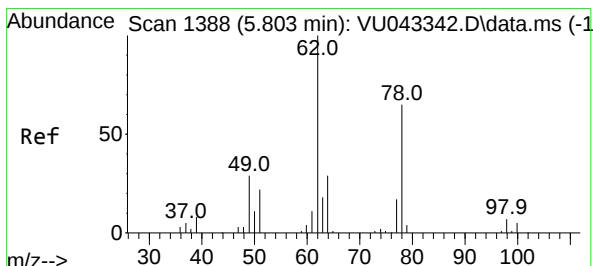
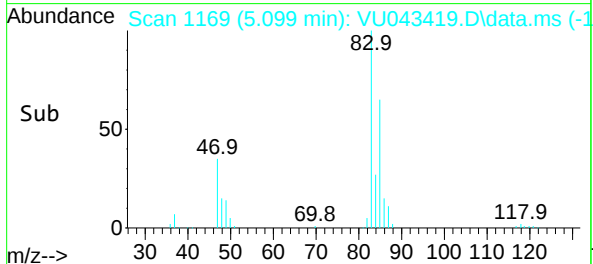
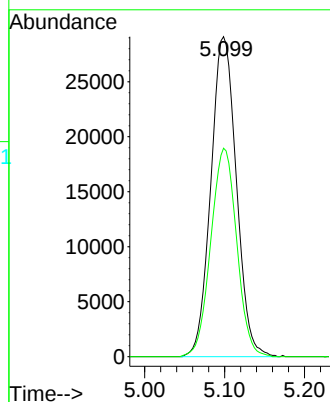
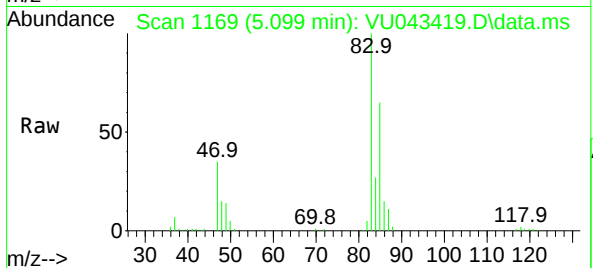


#25

Chloroform  
Concen: 5.18 ug/L  
RT: 5.099 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Instrument :  
MSVOA\_U  
ClientSampleId :

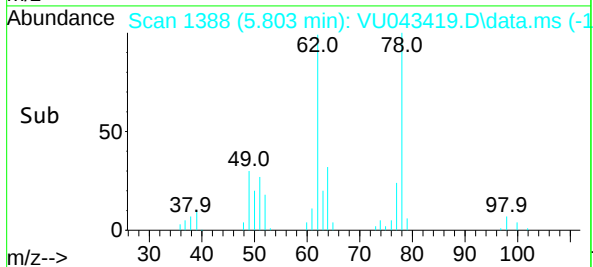
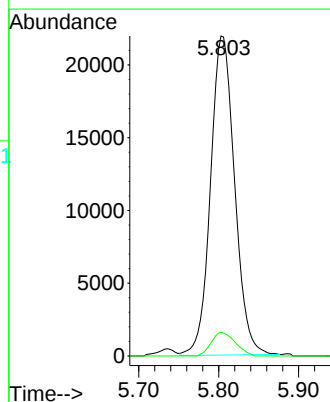
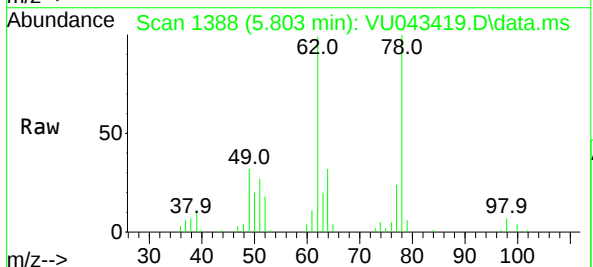
Tgt Ion: 83 Resp: 64481  
Ion Ratio Lower Upper  
83 100  
85 65.2 45.6 84.8

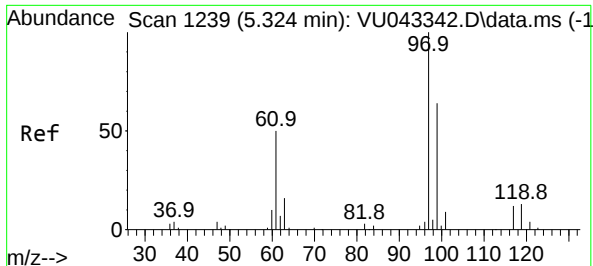


#27

1,2-Dichloroethane  
Concen: 5.03 ug/L  
RT: 5.803 min Scan# 1388  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 62 Resp: 45919  
Ion Ratio Lower Upper  
62 100  
98 7.4 7.5 11.3#





#29

1,1,1-Trichloroethane

Concen: 4.84 ug/L

RT: 5.327 min Scan# 1240

Delta R.T. 0.003 min

Lab File: VU043419.D

Acq: 29 Apr 2021 12:21

Tgt Ion: 97 Resp: 53659

Ion Ratio Lower Upper

97 100

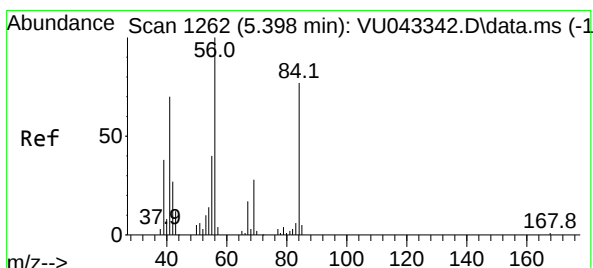
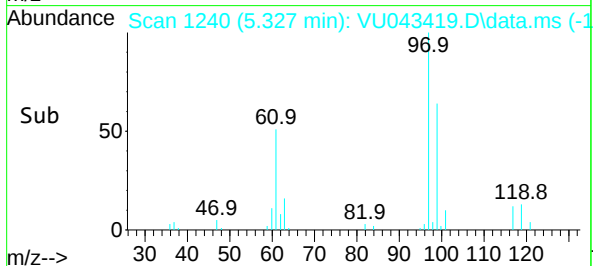
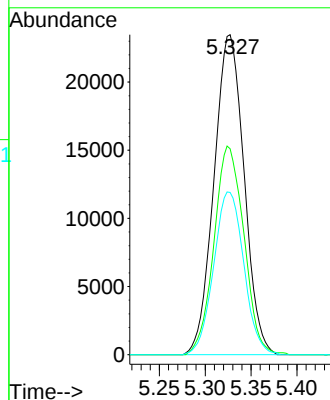
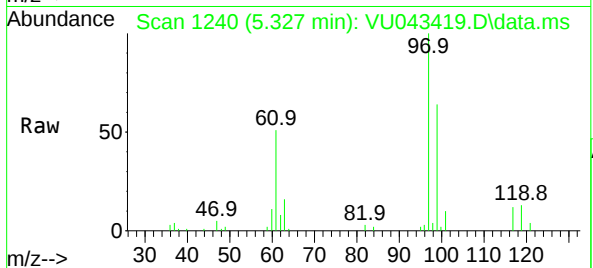
99 64.7 50.3 75.5

61 50.9 32.7 49.1#

Instrument :

MSVOA\_U

ClientSampled :



#30

Cyclohexane

Concen: 4.76 ug/L

RT: 5.398 min Scan# 1262

Delta R.T. -0.000 min

Lab File: VU043419.D

Acq: 29 Apr 2021 12:21

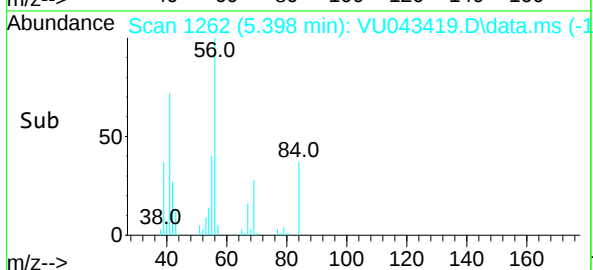
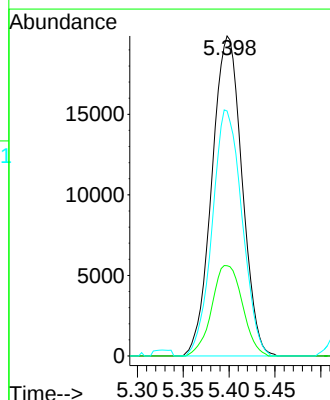
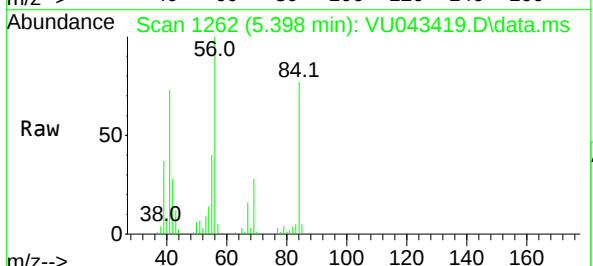
Tgt Ion: 56 Resp: 45258

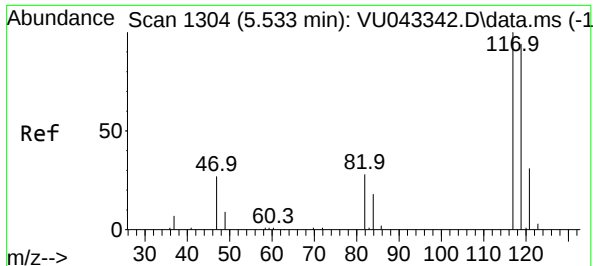
Ion Ratio Lower Upper

56 100

69 28.8 25.2 37.8

84 76.2 76.2 114.4#

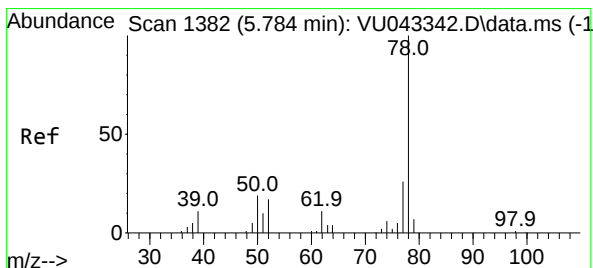
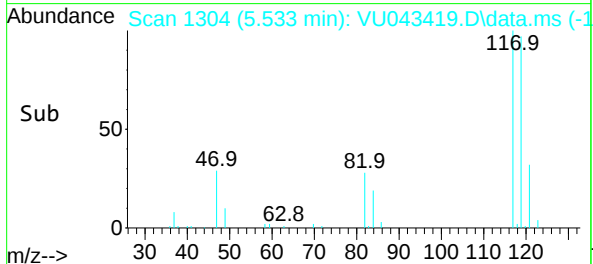
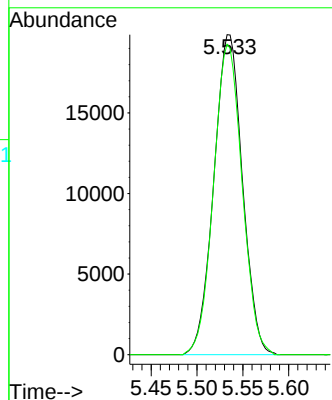
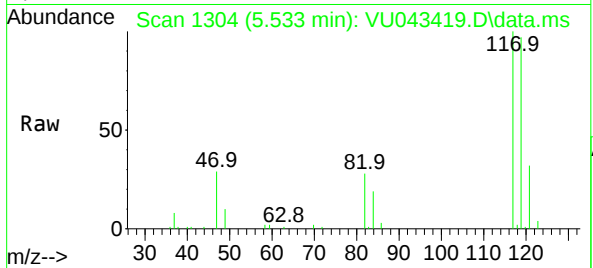




#31  
Carbon tetrachloride  
Concen: 4.66 ug/L  
RT: 5.533 min Scan# 1304  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

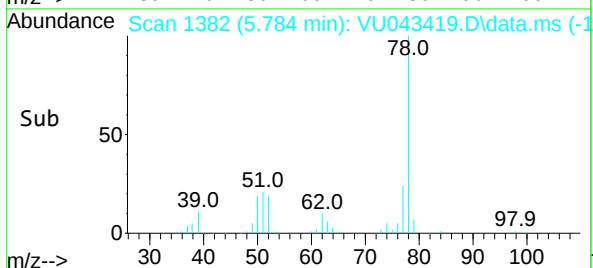
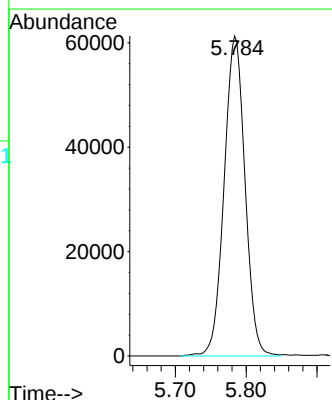
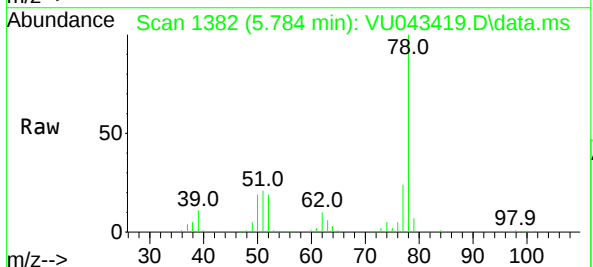
Instrument :  
MSVOA\_U  
ClientSampled :

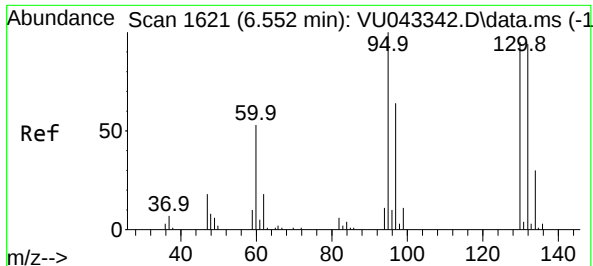
Tgt Ion:117 Resp: 43065  
Ion Ratio Lower Upper  
117 100  
119 96.9 76.2 114.4



#33  
Benzene  
Concen: 5.23 ug/L  
RT: 5.784 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 78 Resp: 125671

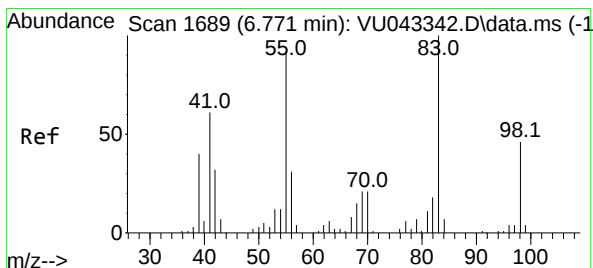
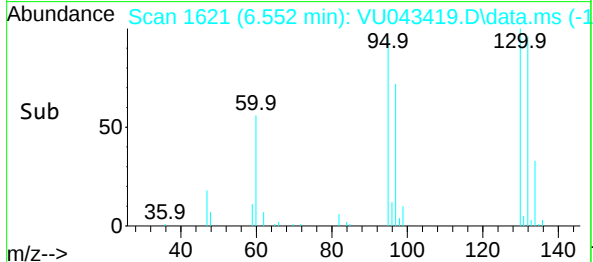
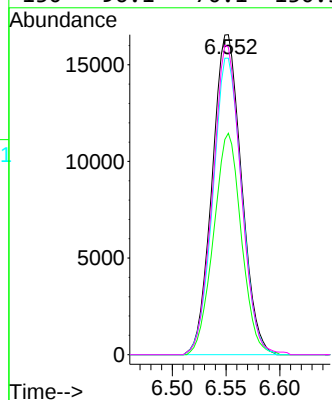
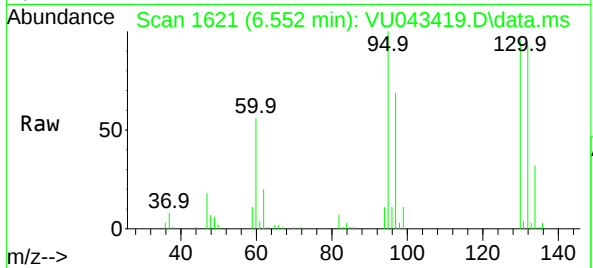




#34  
Trichloroethene  
Concen: 4.74 ug/L  
RT: 6.552 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

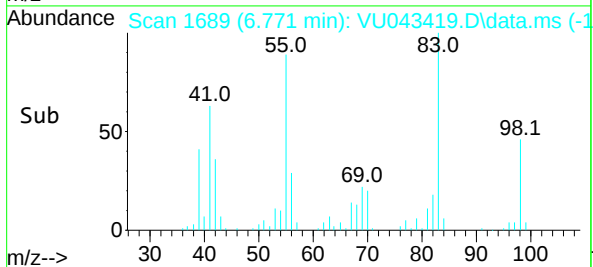
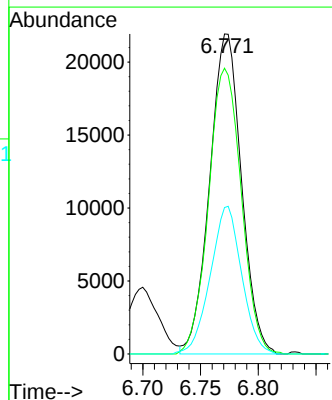
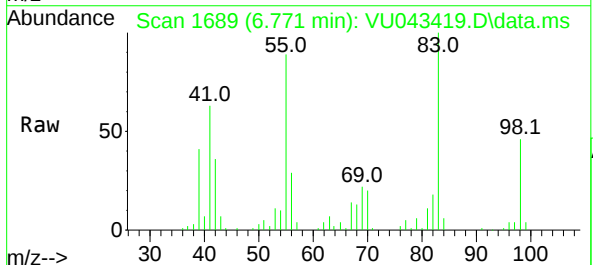
Instrument :  
MSVOA\_U  
ClientSampleId :

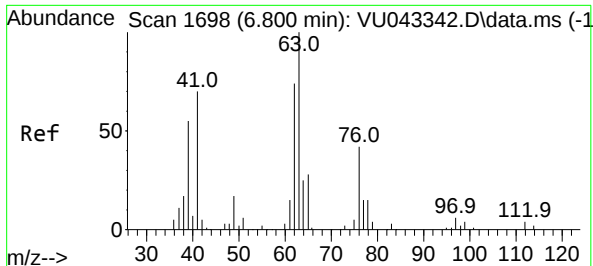
Tgt Ion: 95 Resp: 31338  
Ion Ratio Lower Upper  
95 100  
97 69.2 45.8 85.2  
132 92.6 68.7 127.7  
130 96.1 70.1 130.3



#35  
Methylcyclohexane  
Concen: 4.59 ug/L  
RT: 6.771 min Scan# 1689  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 83 Resp: 42000  
Ion Ratio Lower Upper  
83 100  
55 91.9 59.5 89.3#  
98 45.5 37.9 56.9

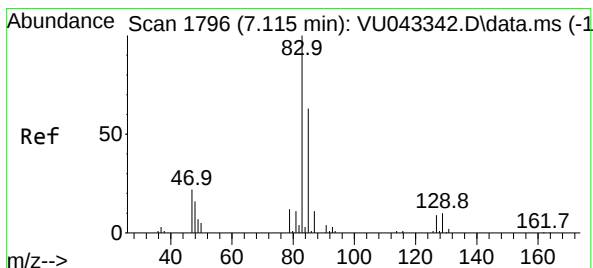
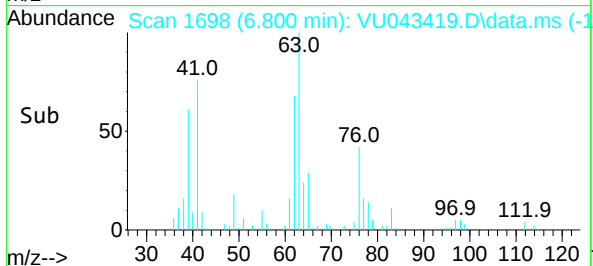
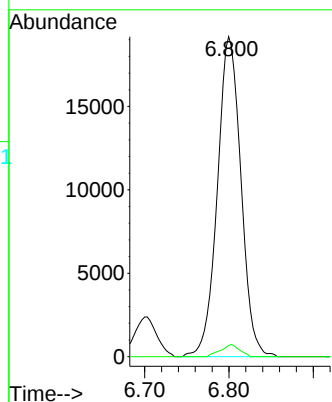
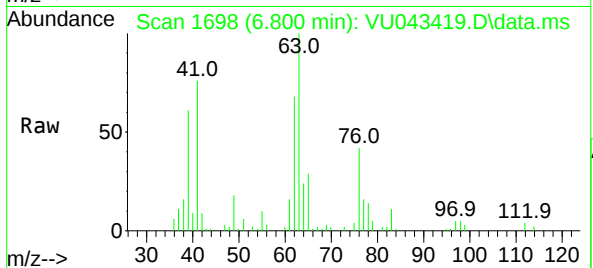




#37  
1,2-Dichloropropane  
Concen: 5.51 ug/L  
RT: 6.800 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

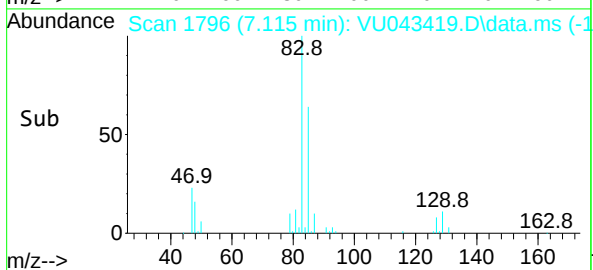
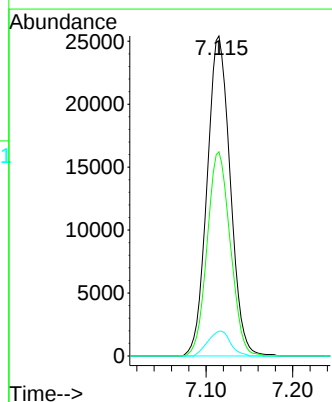
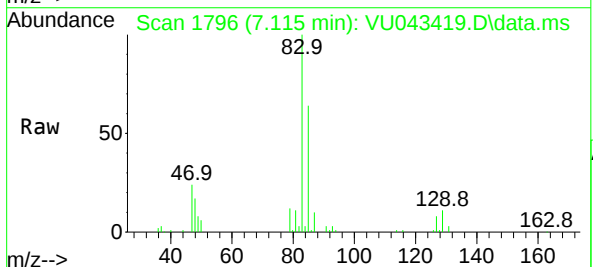
Instrument :  
MSVOA\_U  
ClientSampleId :

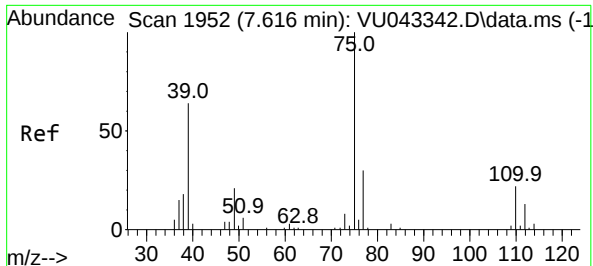
Tgt Ion: 63 Resp: 37255  
Ion Ratio Lower Upper  
63 100  
112 3.0 3.5 5.3#



#38  
Bromodichloromethane  
Concen: 5.19 ug/L  
RT: 7.115 min Scan# 1796  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 83 Resp: 47134  
Ion Ratio Lower Upper  
83 100  
85 63.8 44.6 82.8  
127 7.7 7.4 11.2



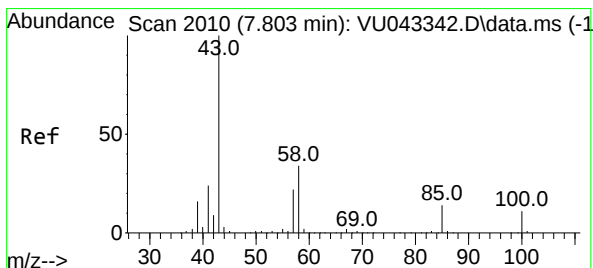
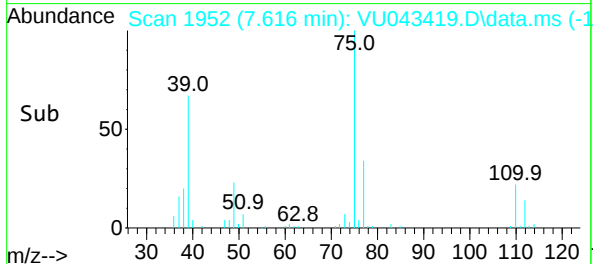
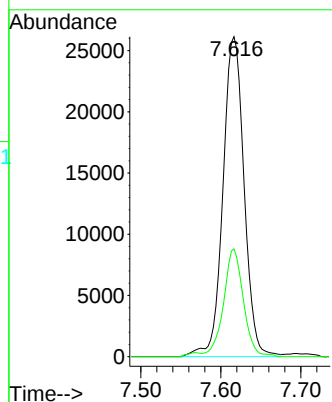
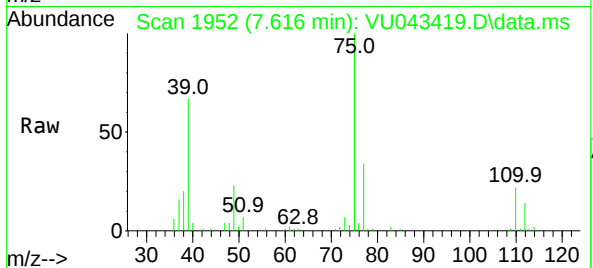


#39

cis-1,3-Dichloropropene  
Concen: 4.85 ug/L  
RT: 7.616 min Scan# 1952  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Instrument :  
MSVOA\_U  
ClientSampleId :

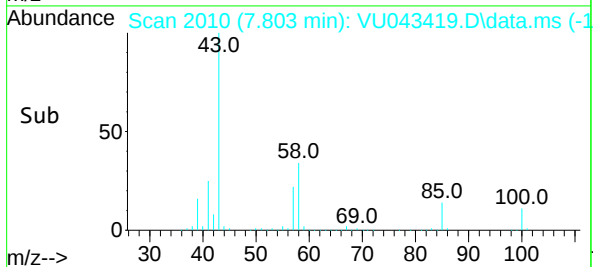
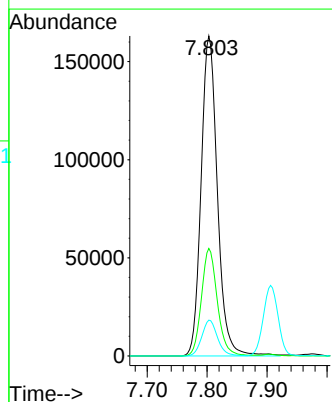
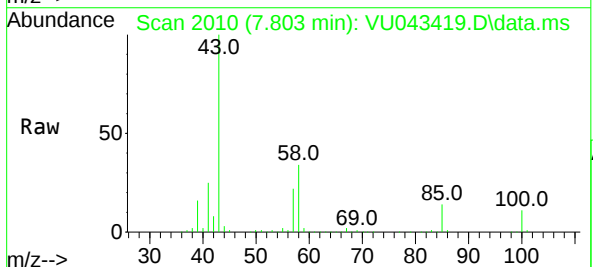
Tgt Ion: 75 Resp: 47958  
Ion Ratio Lower Upper  
75 100  
77 33.7 21.8 40.6

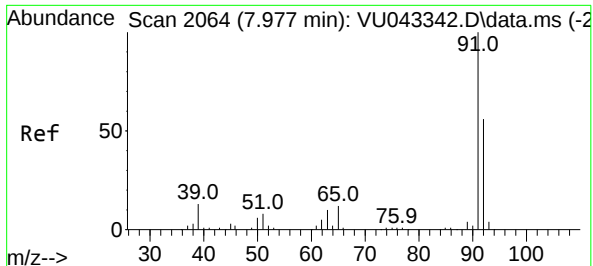


#40

4-Methyl-2-pentanone  
Concen: 51.11 ug/L  
RT: 7.803 min Scan# 2010  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 43 Resp: 309230  
Ion Ratio Lower Upper  
43 100  
58 32.7 35.8 53.6#  
100 10.8 15.1 22.7#

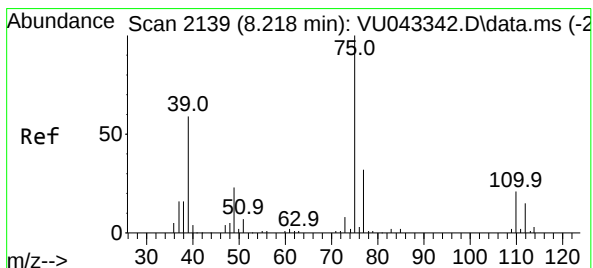
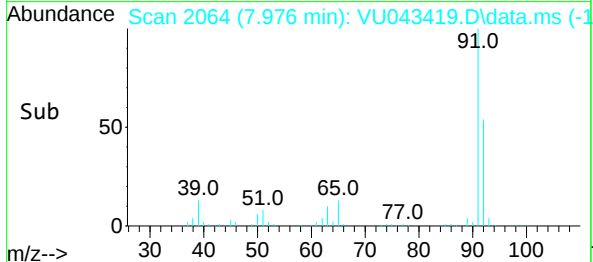
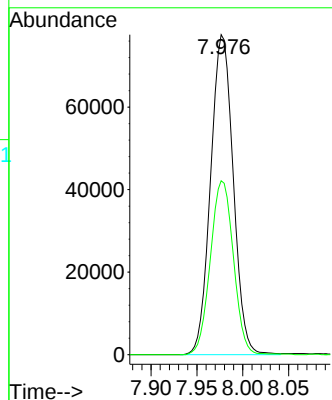
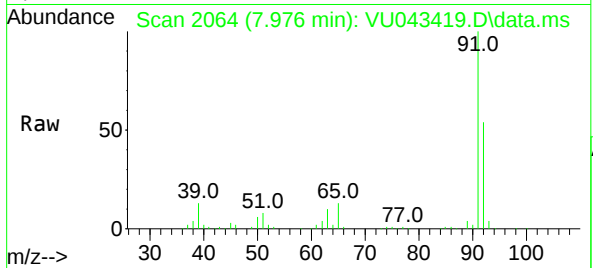




#42  
Toluene  
Concen: 4.96 ug/L  
RT: 7.976 min Scan# 2064  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

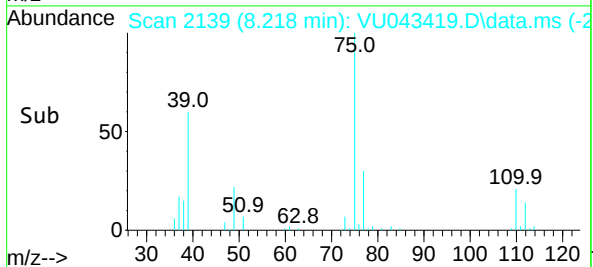
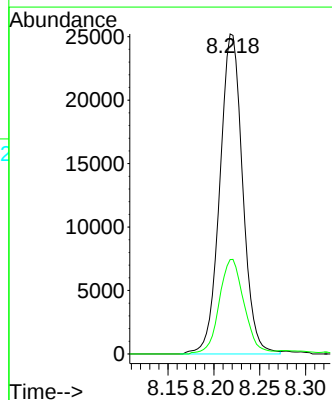
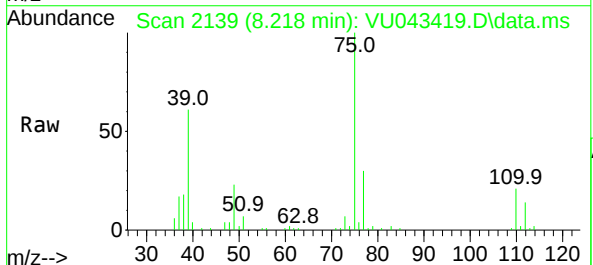
Instrument :  
MSVOA\_U  
ClientSampleId :

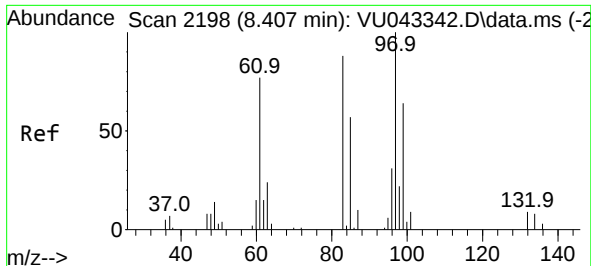
Tgt Ion: 91 Resp: 133127  
Ion Ratio Lower Upper  
91 100  
92 54.3 40.9 76.0



#44  
trans-1,3-Dichloropropene  
Concen: 4.69 ug/L  
RT: 8.218 min Scan# 2139  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

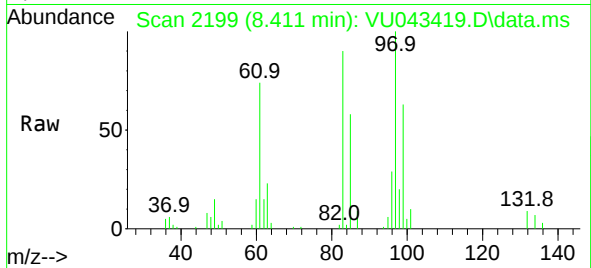
Tgt Ion: 75 Resp: 43661  
Ion Ratio Lower Upper  
75 100  
77 29.5 23.4 43.4





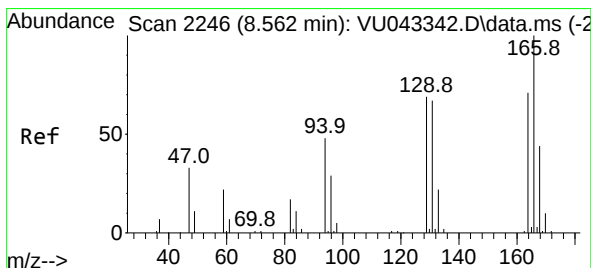
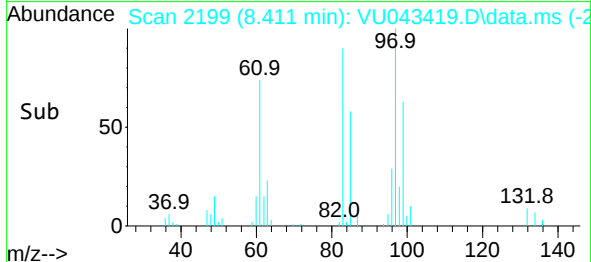
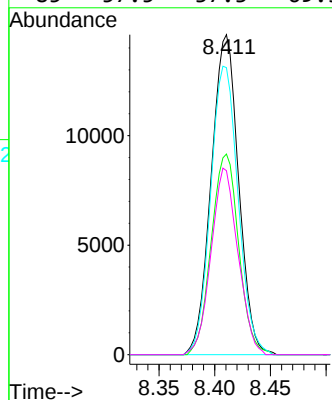
#45  
1,1,2-Trichloroethane  
Concen: 4.95 ug/L  
RT: 8.411 min Scan# 2199  
Delta R.T. 0.003 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Instrument :  
MSVOA\_U  
ClientSampleId :

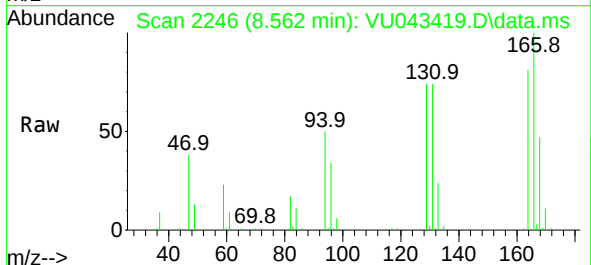


Tgt Ion: 97 Resp: 24997

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.7  | 44.2  | 82.0  |
| 83  | 89.7  | 60.1  | 111.7 |
| 85  | 57.5  | 37.3  | 69.3  |

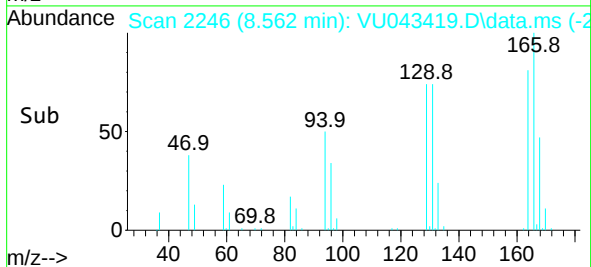
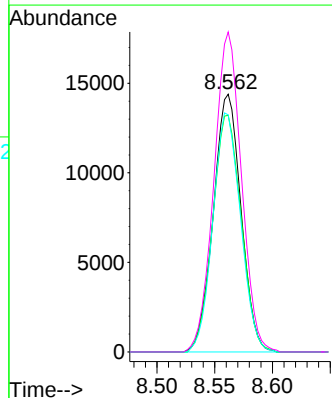


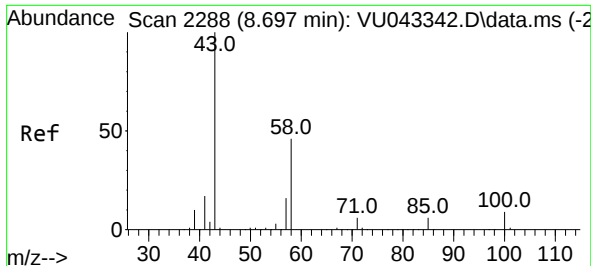
#47  
Tetrachloroethene  
Concen: 4.58 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21



Tgt Ion: 164 Resp: 24001

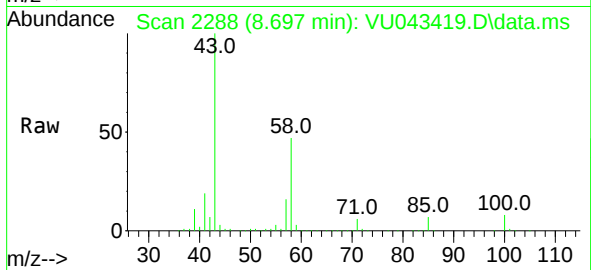
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 91.8  | 66.6  | 123.8 |
| 131 | 92.0  | 65.9  | 122.3 |
| 166 | 124.1 | 93.7  | 173.9 |



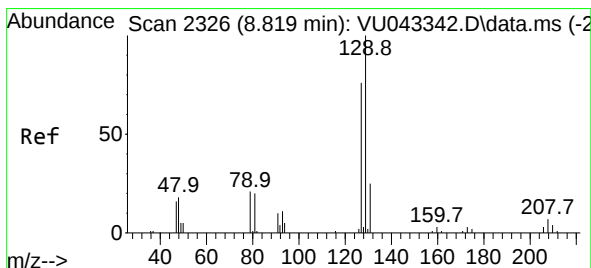
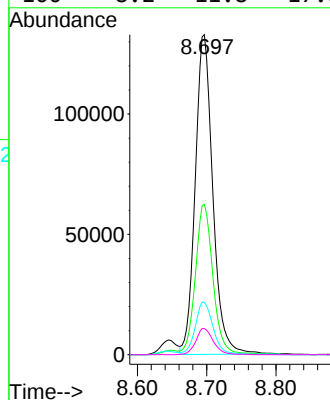
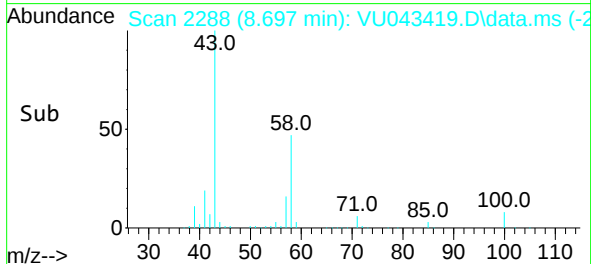


#48  
2-Hexanone  
Concen: 52.84 ug/L  
RT: 8.697 min Scan# 2288  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

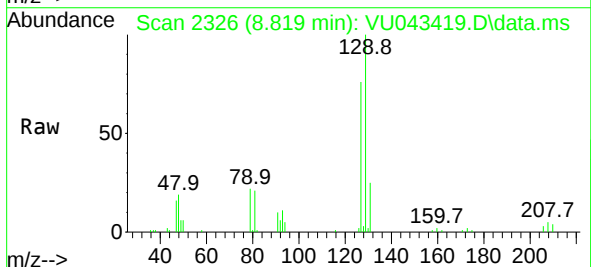
Instrument :  
MSVOA\_U  
ClientSampleId :



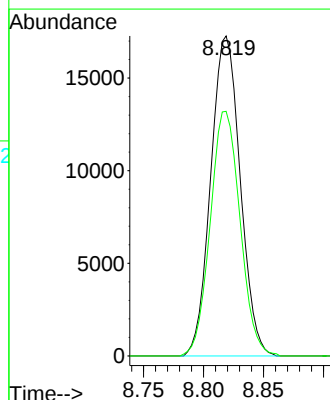
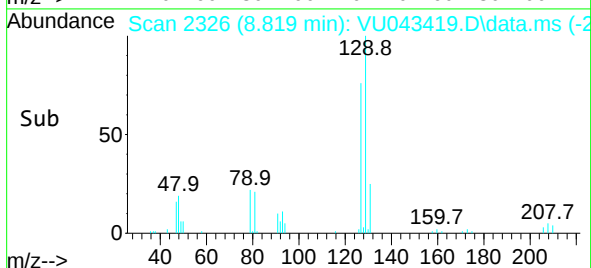
Tgt Ion: 43 Resp: 235253  
Ion Ratio Lower Upper  
43 100  
58 47.4 50.0 75.0#  
57 16.5 17.4 26.0#  
100 8.2 11.8 17.8#

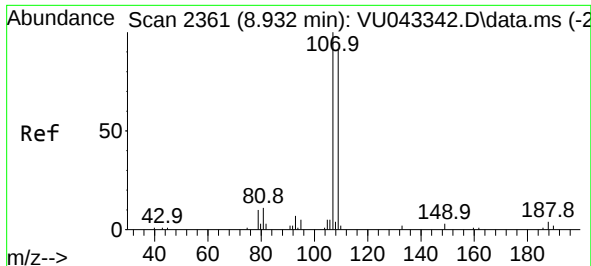


#49  
Dibromochloromethane  
Concen: 4.63 ug/L  
RT: 8.819 min Scan# 2326  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21



Tgt Ion: 129 Resp: 29536  
Ion Ratio Lower Upper  
129 100  
127 76.5 56.6 105.2





#50

1,2-Dibromoethane

Concen: 4.56 ug/L

RT: 8.931 min Scan# 2361

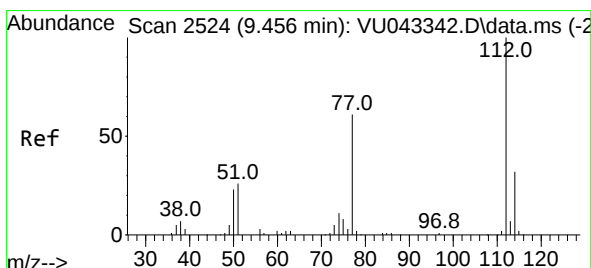
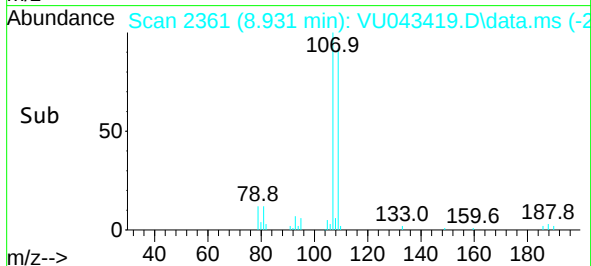
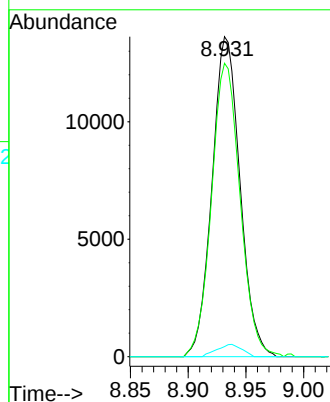
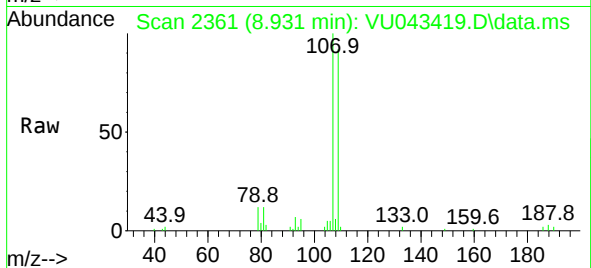
Delta R.T. -0.000 min

Lab File: VU043419.D

Acq: 29 Apr 2021 12:21

Instrument :  
MSVOA\_U  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 22950 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 91.7  | 65.4  | 121.4 |
| 188      | 3.2   | 2.5   | 3.7   |



#51

Chlorobenzene

Concen: 4.78 ug/L

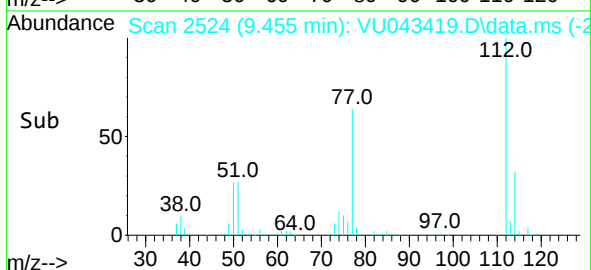
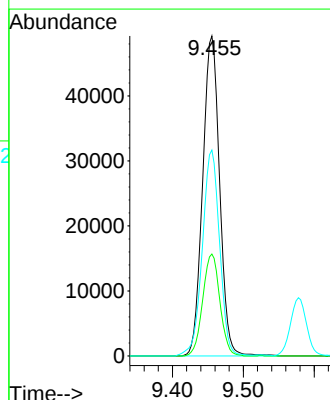
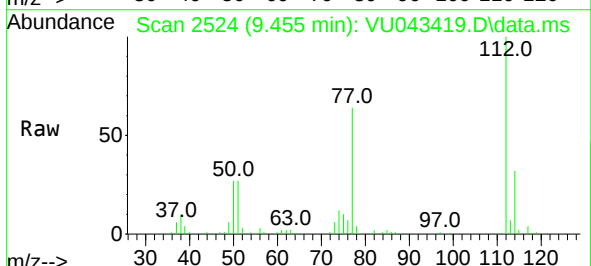
RT: 9.455 min Scan# 2524

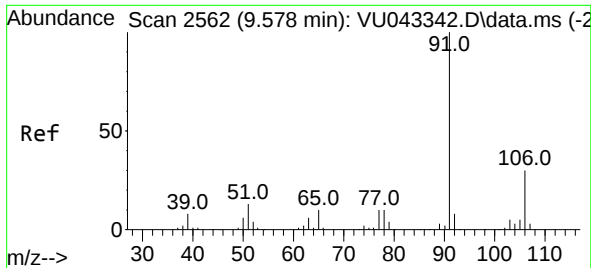
Delta R.T. -0.000 min

Lab File: VU043419.D

Acq: 29 Apr 2021 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 81816 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 31.9  | 21.9  | 40.7  |
| 77       | 64.4  | 45.1  | 67.7  |

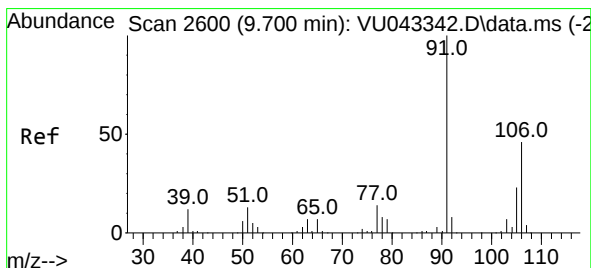
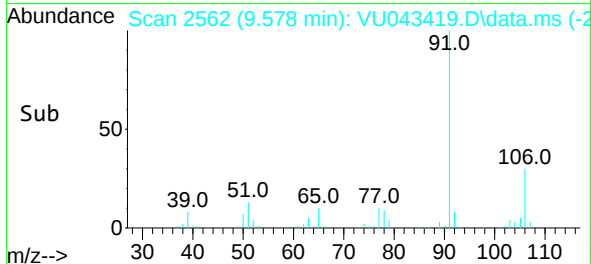
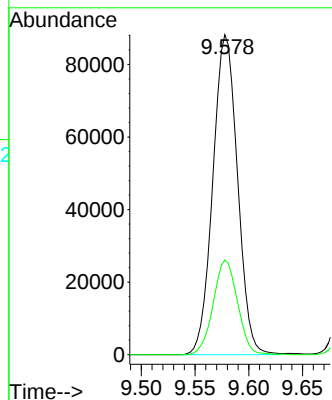
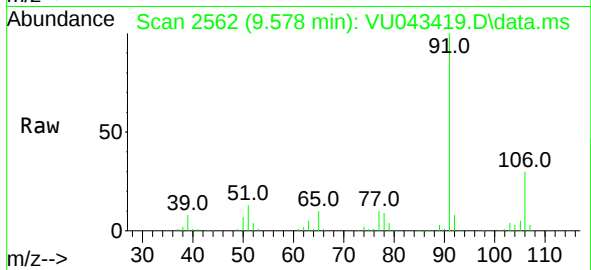




#52  
Ethylbenzene  
Concen: 4.57 ug/L  
RT: 9.578 min Scan# 2562  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

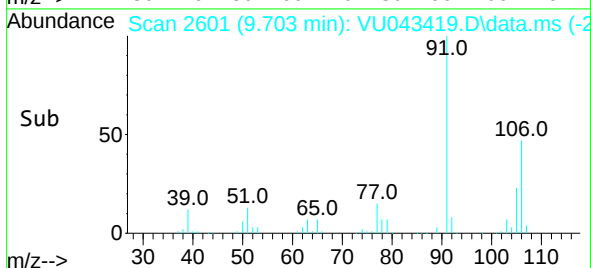
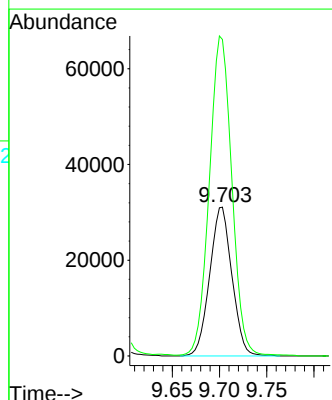
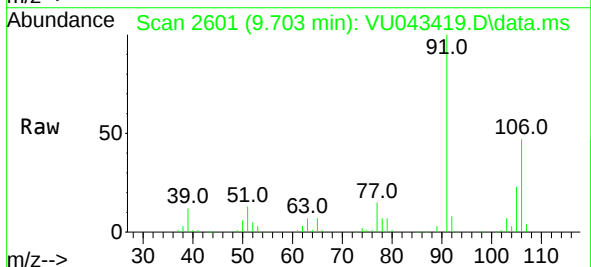
Instrument :  
MSVOA\_U  
ClientSampleId :

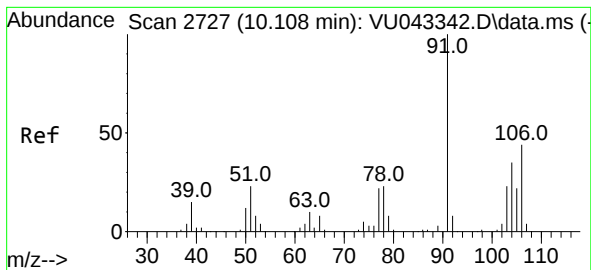
Tgt Ion: 91 Resp: 140532  
Ion Ratio Lower Upper  
91 100  
106 29.6 22.0 40.8



#53  
m,p-Xylene  
Concen: 4.52 ug/L  
RT: 9.703 min Scan# 2601  
Delta R.T. 0.003 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 106 Resp: 50852  
Ion Ratio Lower Upper  
106 100  
91 212.8 137.6 255.6

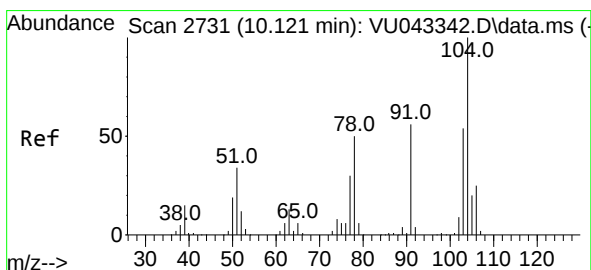
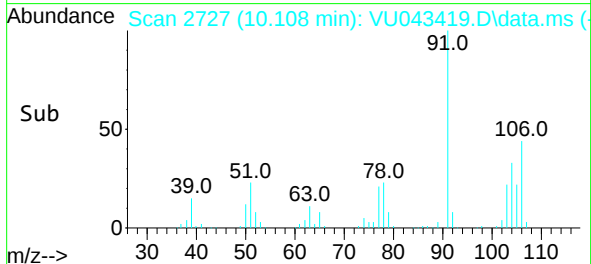
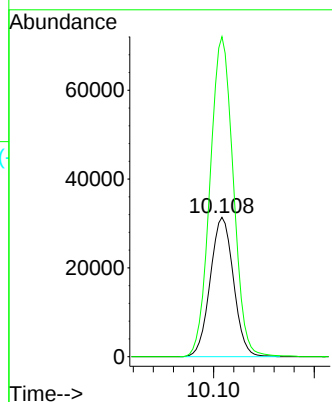
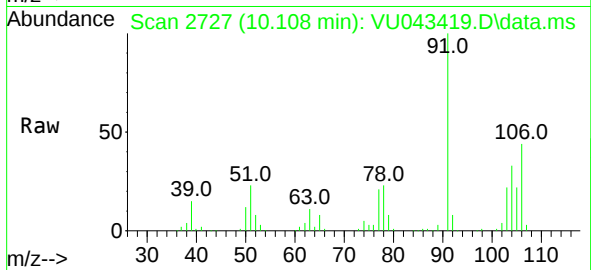




#54  
o-Xylene  
Concen: 4.53 ug/L  
RT: 10.108 min Scan# 2727  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

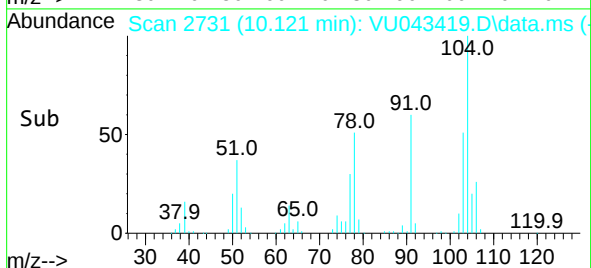
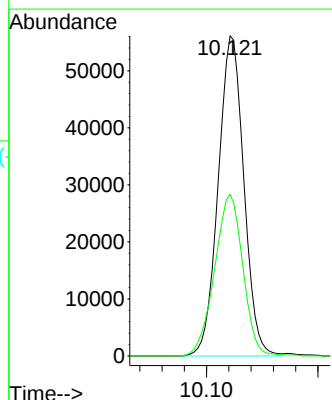
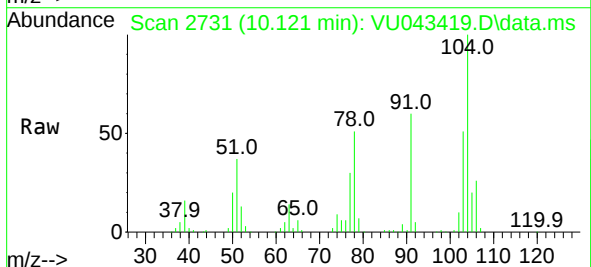
Instrument :  
MSVOA\_U  
ClientSampleId :

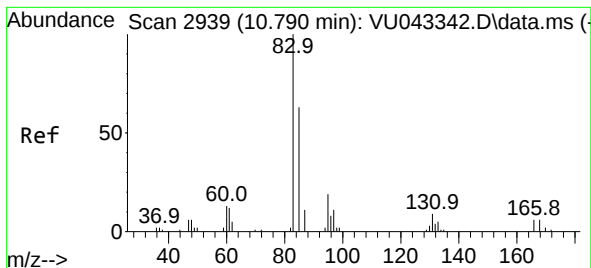
Tgt Ion:106 Resp: 50424  
Ion Ratio Lower Upper  
106 100  
91 229.7 148.5 275.9



#55  
Styrene  
Concen: 4.70 ug/L  
RT: 10.121 min Scan# 2731  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion:104 Resp: 89730  
Ion Ratio Lower Upper  
104 100  
78 50.5 32.3 60.1

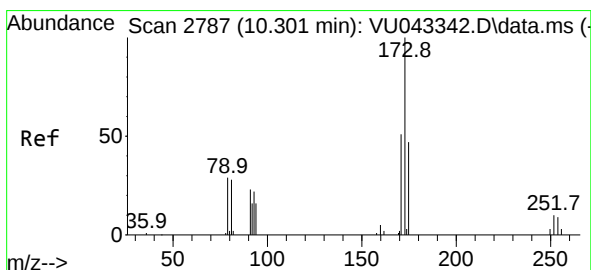
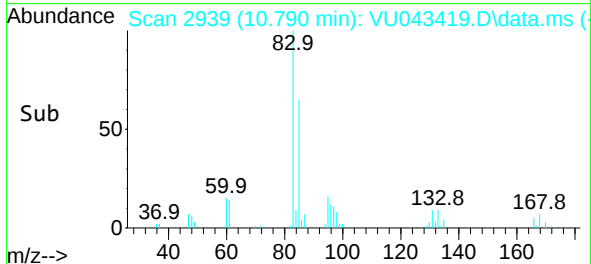
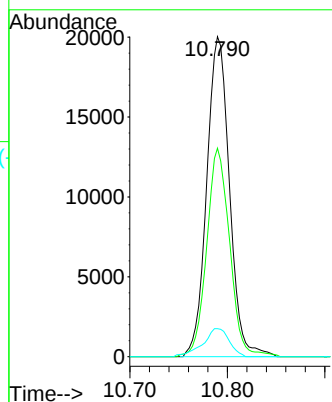
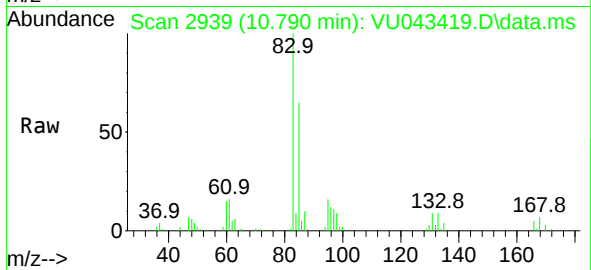




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.89 ug/L  
RT: 10.790 min Scan# 2939  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

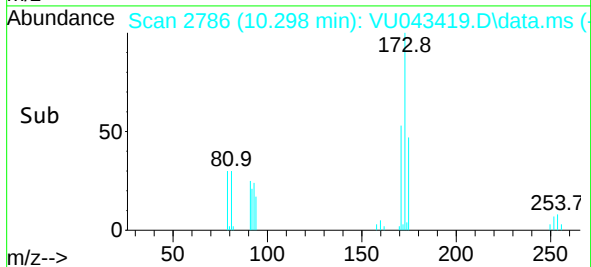
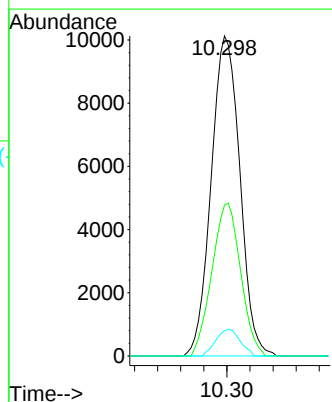
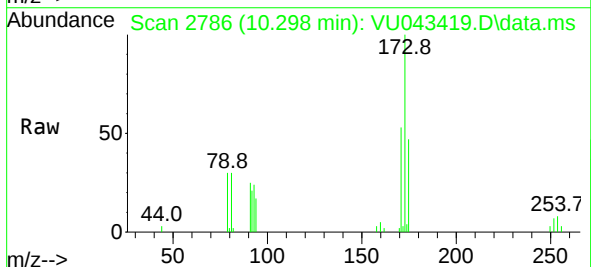
Instrument :  
MSVOA\_U  
ClientSampleId :

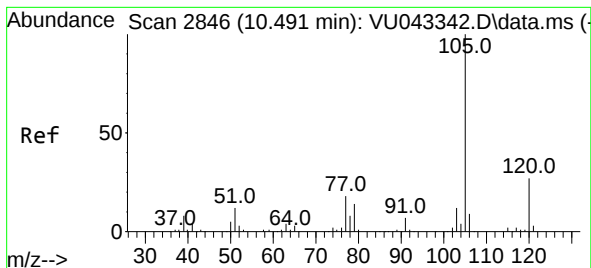
Tgt Ion: 83 Resp: 32491  
Ion Ratio Lower Upper  
83 100  
85 65.2 44.9 83.5  
131 8.8 8.2 12.4



#59  
Bromoform  
Concen: 4.52 ug/L  
RT: 10.298 min Scan# 2786  
Delta R.T. -0.003 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion:173 Resp: 17430  
Ion Ratio Lower Upper  
173 100  
175 47.6 39.4 59.0  
254 7.1 8.0 12.0#

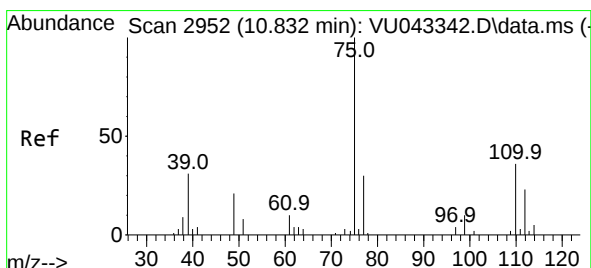
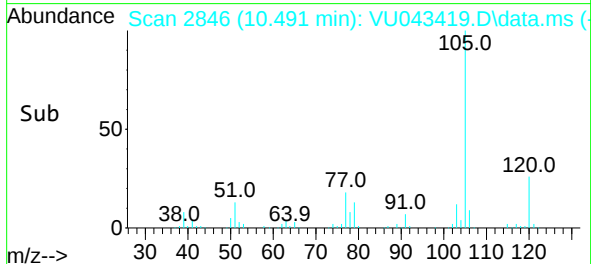
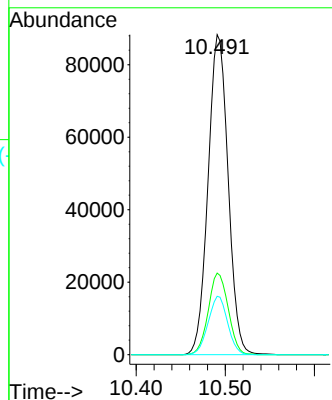
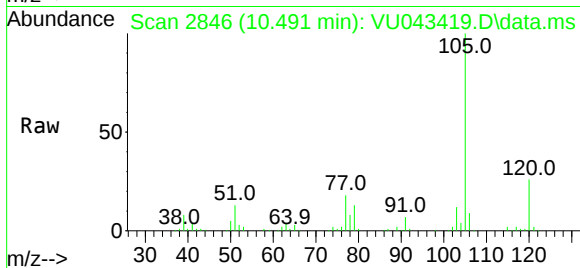




#60  
Isopropylbenzene  
Concen: 4.55 ug/L  
RT: 10.491 min Scan# 2846  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

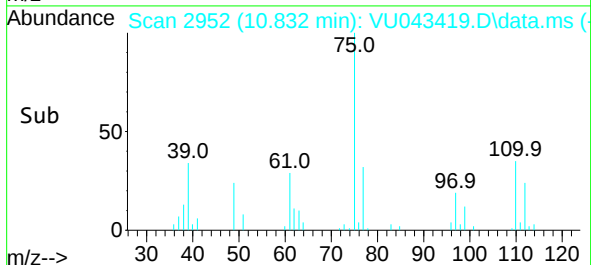
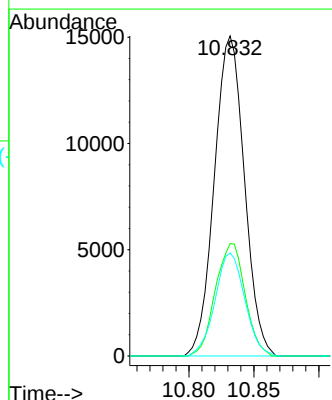
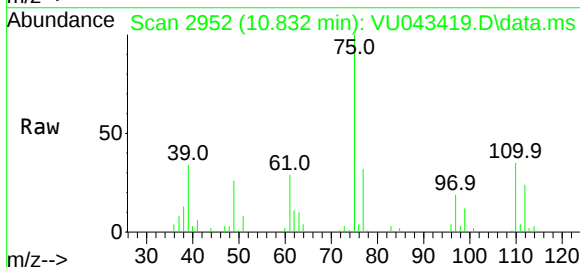
Instrument :  
MSVOA\_U  
ClientSampleId :

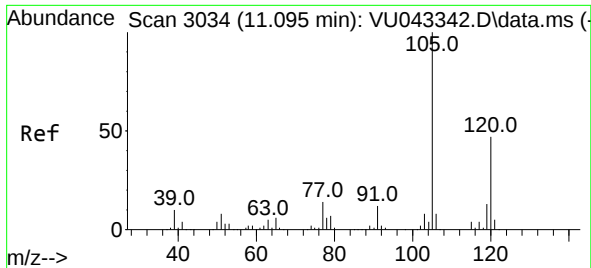
Tgt Ion:105 Resp: 137899  
Ion Ratio Lower Upper  
105 100  
120 25.3 20.9 31.3  
77 17.7 11.8 17.8



#61  
1,2,3-Trichloropropane  
Concen: 4.96 ug/L  
RT: 10.832 min Scan# 2952  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion: 75 Resp: 24207  
Ion Ratio Lower Upper  
75 100  
110 34.8 31.5 47.3  
77 31.8 26.3 39.5

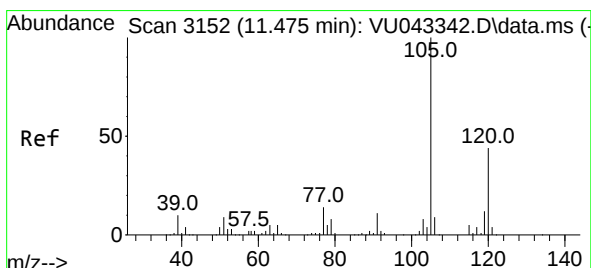
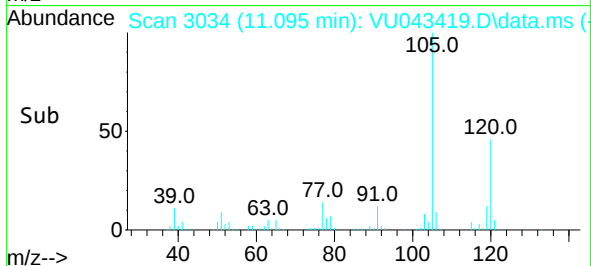
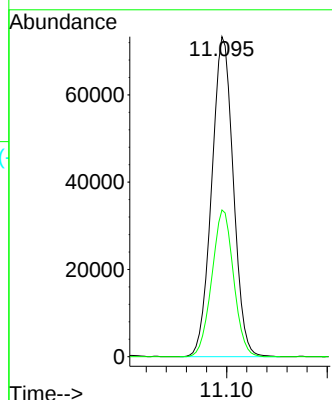
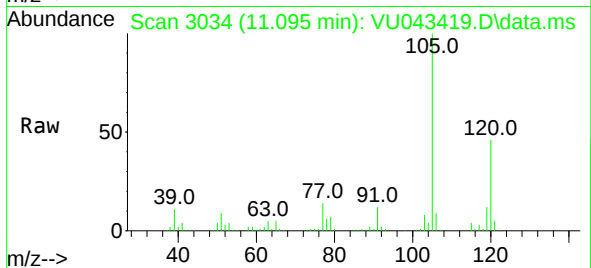




#62  
1,3,5-Trimethylbenzene  
Concen: 4.41 ug/L  
RT: 11.095 min Scan# 3034  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

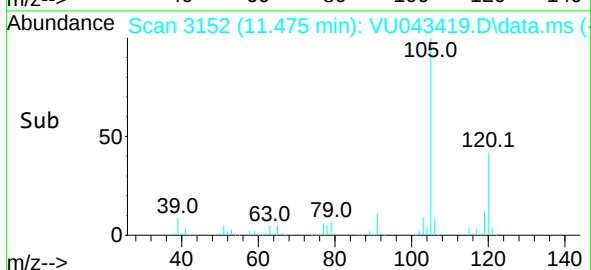
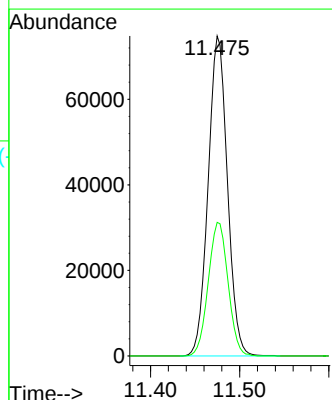
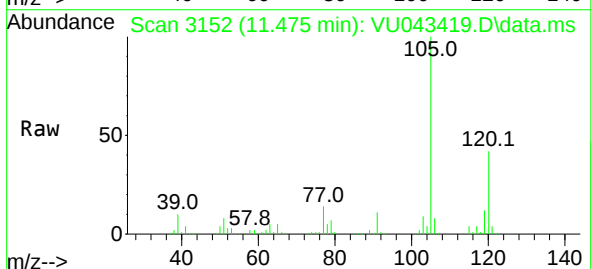
Instrument :  
MSVOA\_U  
ClientSampleId :

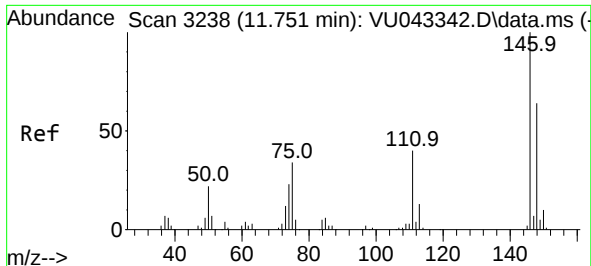
Tgt Ion:105 Resp: 109421  
Ion Ratio Lower Upper  
105 100  
120 46.1 39.5 59.3



#63  
1,2,4-Trimethylbenzene  
Concen: 4.41 ug/L  
RT: 11.475 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion:105 Resp: 112291  
Ion Ratio Lower Upper  
105 100  
120 42.9 36.7 55.1

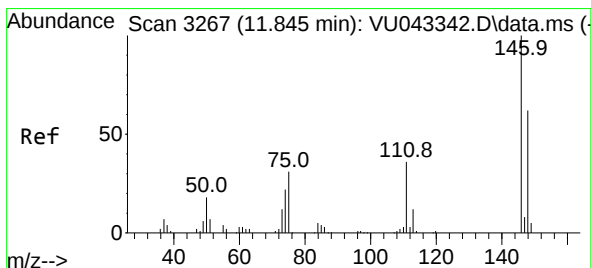
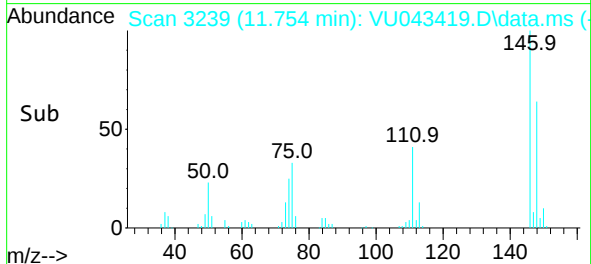
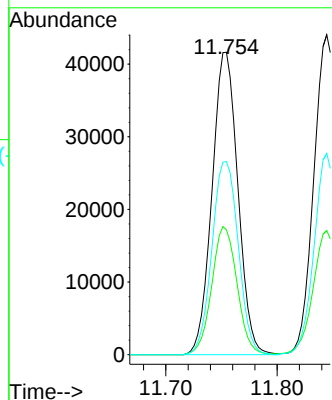
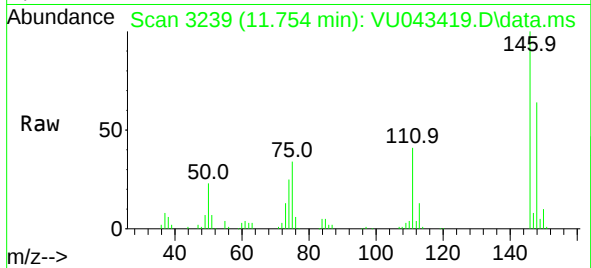




#64  
1,3-Dichlorobenzene  
Concen: 4.67 ug/L  
RT: 11.754 min Scan# 3239  
Delta R.T. 0.003 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

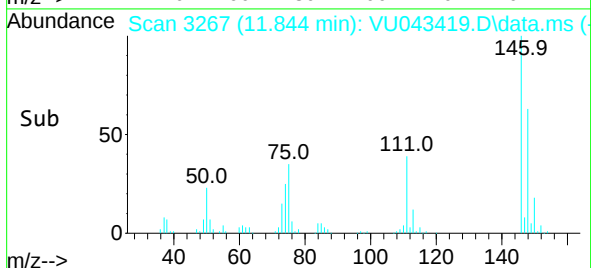
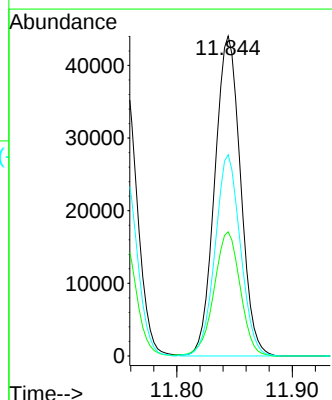
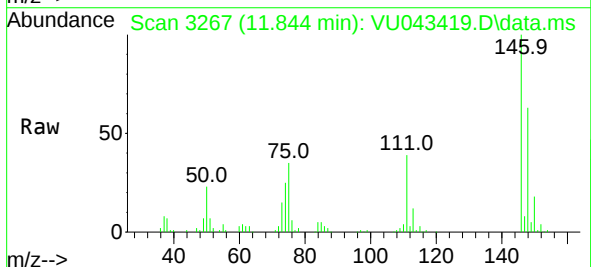
Instrument :  
MSVOA\_U  
ClientSampleId :

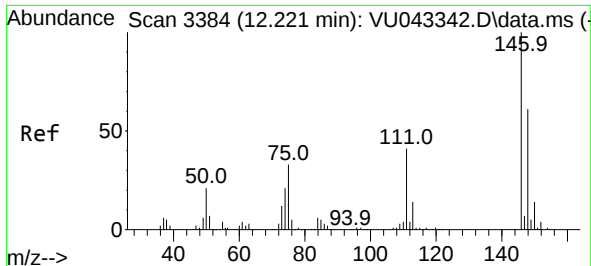
Tgt Ion:146 Resp: 67173  
Ion Ratio Lower Upper  
146 100  
111 41.3 27.6 51.2  
148 63.8 44.9 83.3



#65  
1,4-Dichlorobenzene  
Concen: 4.68 ug/L  
RT: 11.844 min Scan# 3267  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

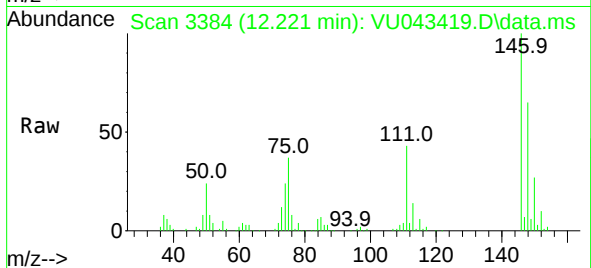
Tgt Ion:146 Resp: 68349  
Ion Ratio Lower Upper  
146 100  
111 38.8 26.7 49.5  
148 62.9 43.9 81.5



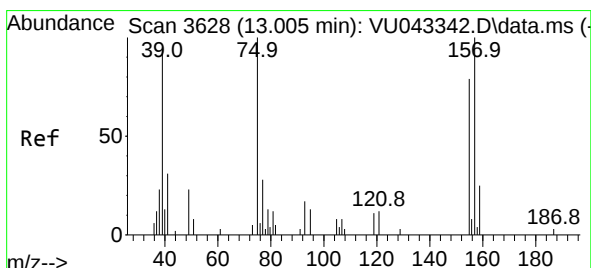
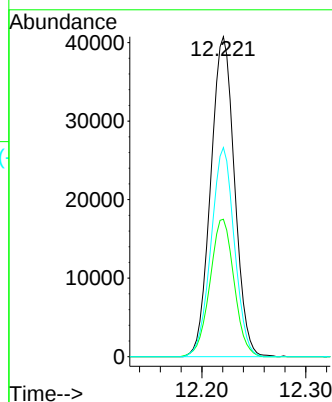
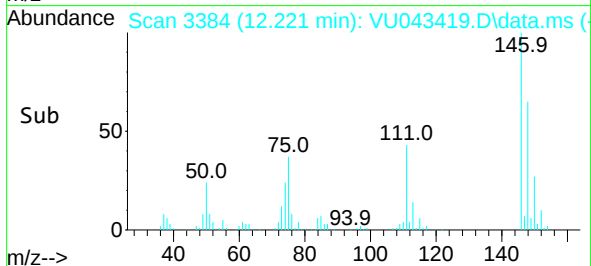


#67  
1,2-Dichlorobenzene  
Concen: 4.64 ug/L  
RT: 12.221 min Scan# 3384  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

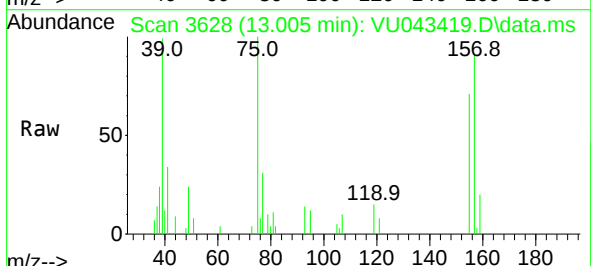
Instrument :  
MSVOA\_U  
ClientSampleId :



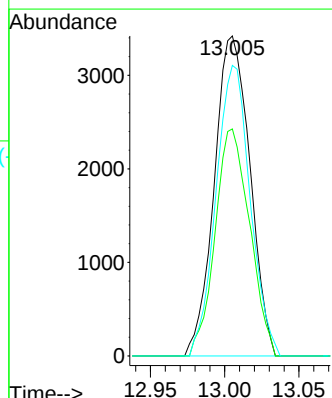
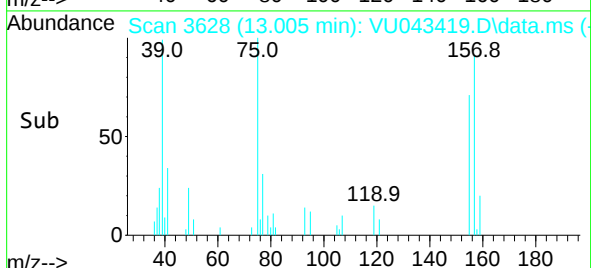
Tgt Ion:146 Resp: 64793  
Ion Ratio Lower Upper  
146 100  
111 43.0 31.9 47.9  
148 65.4 48.8 73.2

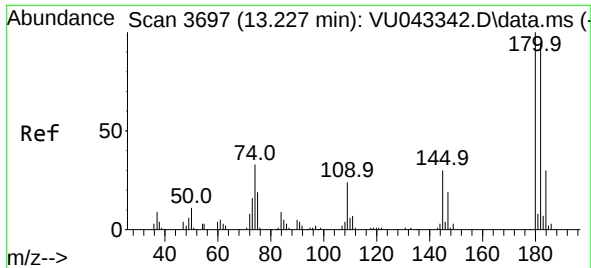


#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.80 ug/L  
RT: 13.005 min Scan# 3628  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21



Tgt Ion: 75 Resp: 5707  
Ion Ratio Lower Upper  
75 100  
155 71.0 67.8 101.8  
157 90.8 82.4 123.6

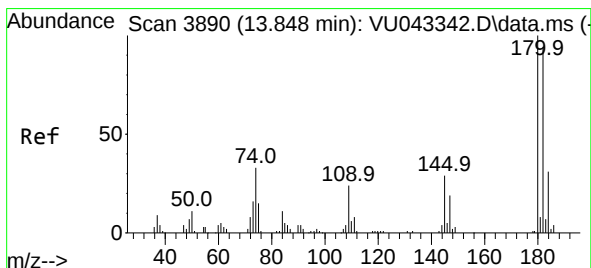
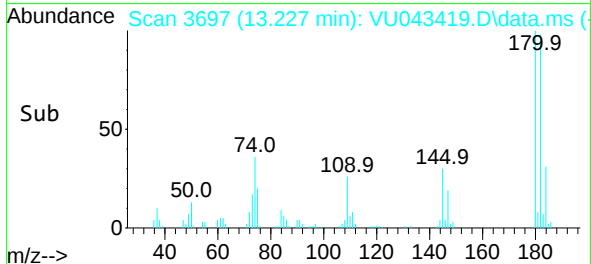
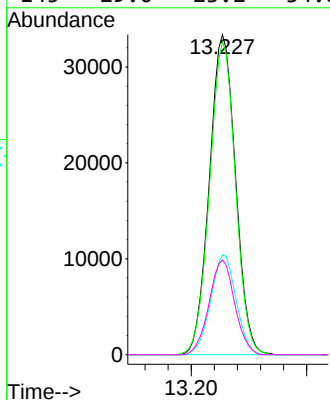
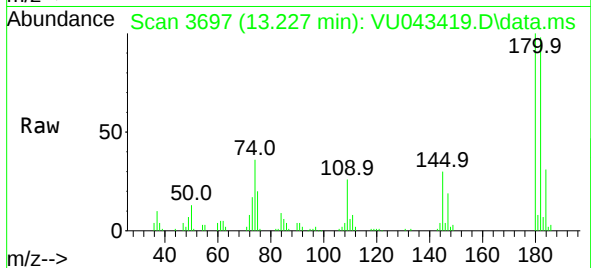




#69  
1,3,5-Trichlorobenzene  
Concen: 4.44 ug/L  
RT: 13.227 min Scan# 3697  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

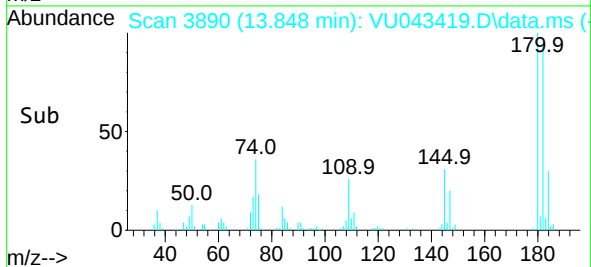
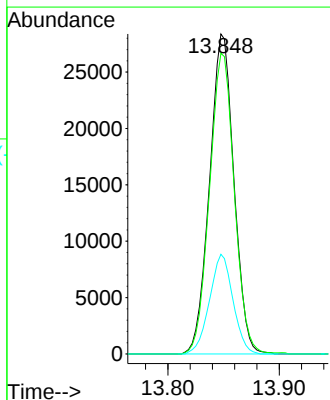
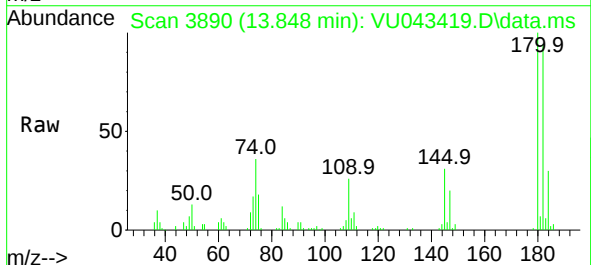
Instrument :  
MSVOA\_U  
ClientSampleId :

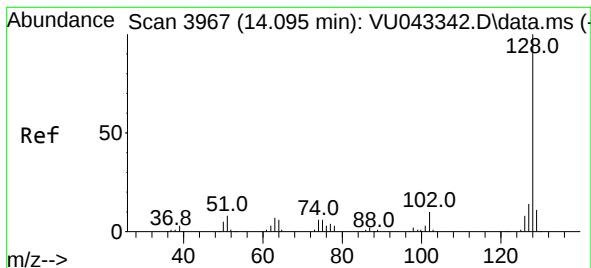
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 52374      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 96.4  | 76.1 114.1 |
| 184         | 30.4  | 24.0 36.0  |
| 145         | 29.0  | 23.2 34.8  |



#70  
1,2,4-trichlorobenzene  
Concen: 4.41 ug/L  
RT: 13.848 min Scan# 3890  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 43103      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.3  | 76.5 114.7 |
| 145         | 30.0  | 24.1 36.1  |

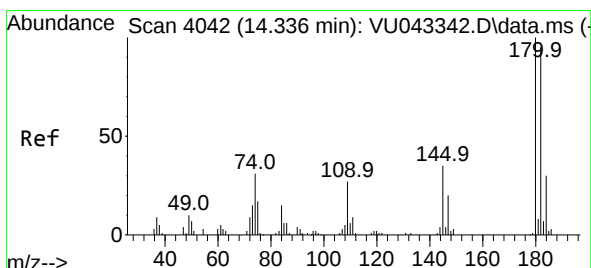
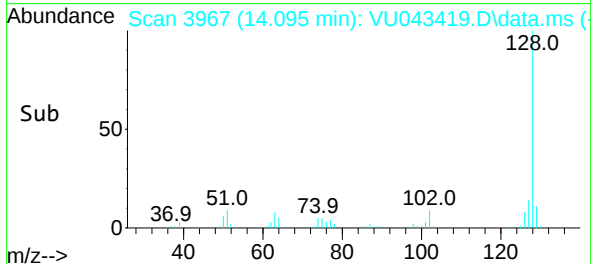
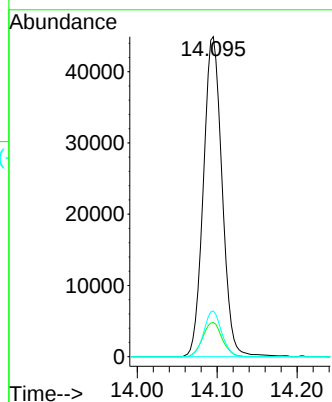
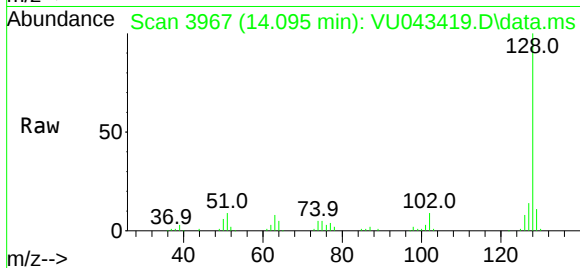




#71  
Naphthalene  
Concen: 4.43 ug/L  
RT: 14.095 min Scan# 3967  
Delta R.T. -0.000 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Instrument :  
MSVOA\_U  
ClientSampled :

Tgt Ion:128 Resp: 72955  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 12.8  
127 13.6 10.6 15.8



#72  
1,2,3-Trichlorobenzene  
Concen: 4.53 ug/L  
RT: 14.340 min Scan# 4043  
Delta R.T. 0.003 min  
Lab File: VU043419.D  
Acq: 29 Apr 2021 12:21

Tgt Ion:180 Resp: 40532  
Ion Ratio Lower Upper  
180 100  
182 94.9 75.8 113.8  
145 32.7 25.0 37.4

