

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042121\  
 Data File : VU043239.D  
 Acq On : 21 Apr 2021 09:57  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 22 04:37:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 21 04:57:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.260  | 114   | 90268    | 5.00     | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 9.424  | 117   | 90051    | 5.00     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 48010    | 5.00     | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 18255    | 3.98     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 79.60%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 17554    | 4.06     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 81.20%   |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 12285    | 4.62     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 92.40%   |
| 20) 2-Butanone-d5             | 4.662  | 46    | 106615   | 52.96    | ug/L  | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 105.92%  |
| 24) Chloroform-d              | 5.073  | 84    | 57448    | 4.92     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 98.40%   |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 34653    | 4.39     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 87.80%   |
| 32) Benzene-d6                | 5.739  | 84    | 96675    | 4.61     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 92.20%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 33271    | 4.78     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 95.60%   |
| 41) Toluene-d8                | 7.906  | 98    | 91501    | 4.20     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 84.00%   |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 13825    | 4.50     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 90.00%   |
| 46) 2-Hexanone-d5             | 8.646  | 63    | 65475    | 42.75    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 85.50%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 28887    | 4.72     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 94.40%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.202 | 152   | 36707    | 4.46     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 89.20%   |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.389  | 85    | 30756    | 5.32     | ug/L  | 97       |
| 3) Chloromethane              | 1.524  | 50    | 29003    | 5.09     | ug/L  | 96       |
| 5) Vinyl chloride             | 1.607  | 62    | 29425    | 4.96     | ug/L  | 96       |
| 6) Bromomethane               | 1.864  | 94    | 15287    | 4.32     | ug/L  | 97       |
| 8) Chloroethane               | 1.942  | 64    | 17848    | 4.18     | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 52703    | 4.77     | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101   | 31463    | 5.27     | ug/L  | 96       |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 26091    | 5.20     | ug/L  | 85       |
| 13) Acetone                   | 2.684  | 43    | 31983    | 21.62    | ug/L  | # 58     |
| 14) Carbon disulfide          | 2.800  | 76    | 65264    | 5.10     | ug/L  | 100      |
| 15) Methyl Acetate            | 2.971  | 43    | 17926    | 6.44     | ug/L  | # 76     |
| 16) Methylene chloride        | 3.054  | 84    | 33420    | 5.15     | ug/L  | 80       |
| 17) Methyl tert-butyl Ether   | 3.376  | 73    | 77918    | 4.75     | ug/L  | # 92     |
| 18) trans-1,2-Dichloroethene  | 3.363  | 96    | 27413    | 5.12     | ug/L  | 87       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 59370    | 5.10     | ug/L  | 97       |
| 21) 2-Butanone                | 4.745  | 43    | 131863   | 54.01    | ug/L  | 83       |
| 22) cis-1,2-Dichloroethene    | 4.675  | 96    | 31529    | 4.98     | ug/L  | 86       |
| 23) Bromochloromethane        | 4.987  | 128   | 15429    | 5.34     | ug/L  | # 77     |
| 25) Chloroform                | 5.099  | 83    | 63136    | 5.08     | ug/L  | 98       |

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 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

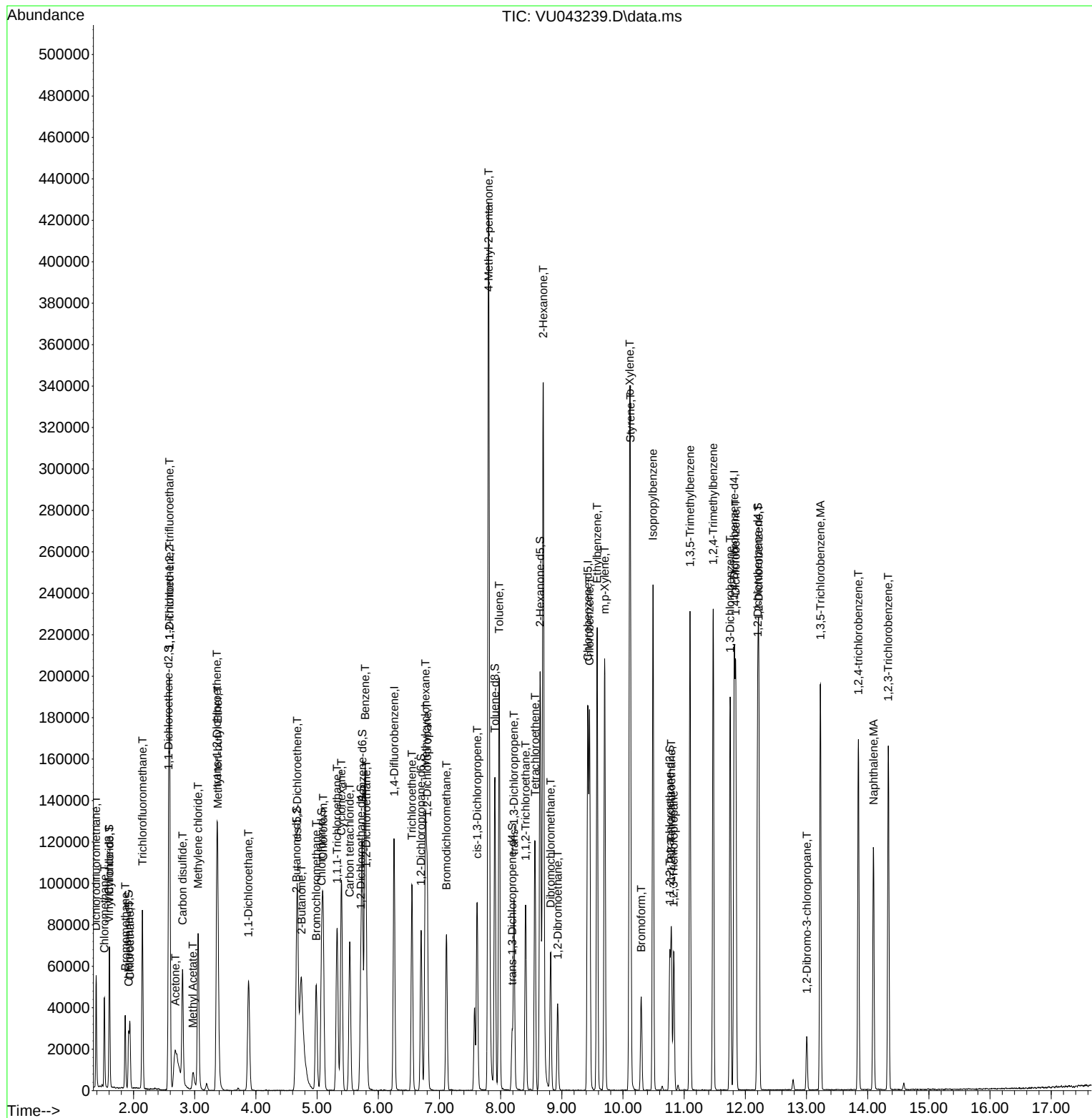
Instrument :  
 MSVOA\_U  
 ClientSampleId :

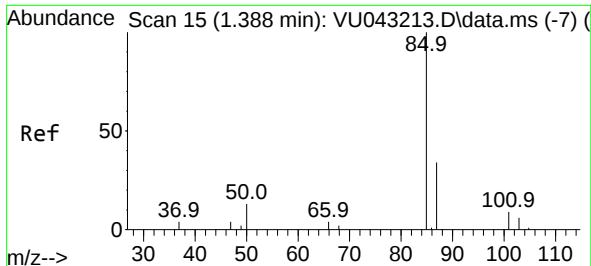
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 21 04:57:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.806  | 62   | 47886    | 5.26  | ug/L # | 93       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 55993    | 5.04  | ug/L # | 94       |
| 30) Cyclohexane               | 5.398  | 56   | 45144    | 4.74  | ug/L   | 85       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 45446    | 4.90  | ug/L   | 99       |
| 33) Benzene                   | 5.784  | 78   | 122772   | 5.10  | ug/L   | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 32134    | 4.85  | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.771  | 83   | 42444    | 4.62  | ug/L # | 88       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 35155    | 5.19  | ug/L # | 97       |
| 38) Bromodichloromethane      | 7.115  | 83   | 46425    | 5.10  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.617  | 75   | 48340    | 4.88  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 318838   | 52.57 | ug/L # | 83       |
| 42) Toluene                   | 7.977  | 91   | 132802   | 4.93  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 44620    | 4.78  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.408  | 97   | 25312    | 5.00  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.562  | 164  | 24663    | 4.69  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.697  | 43   | 246546   | 55.25 | ug/L # | 84       |
| 49) Dibromochloromethane      | 8.819  | 129  | 31805    | 4.98  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.932  | 107  | 24746    | 4.91  | ug/L # | 96       |
| 51) Chlorobenzene             | 9.453  | 112  | 84015    | 4.90  | ug/L   | 95       |
| 52) Ethylbenzene              | 9.578  | 91   | 143870   | 4.67  | ug/L   | 97       |
| 53) m,p-Xylene                | 9.700  | 106  | 53771    | 4.77  | ug/L   | 93       |
| 54) o-Xylene                  | 10.108 | 106  | 51197    | 4.59  | ug/L   | 84       |
| 55) Styrene                   | 10.121 | 104  | 93334    | 4.88  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 34416    | 5.17  | ug/L   | 99       |
| 59) Bromoform                 | 10.298 | 173  | 19355    | 4.93  | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.491 | 105  | 143109   | 4.65  | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 10.829 | 75   | 25107    | 5.06  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.096 | 105  | 116578   | 4.63  | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 118678   | 4.58  | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 11.752 | 146  | 71604    | 4.90  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.842 | 146  | 70853    | 4.78  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 69752    | 4.91  | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 6184     | 5.12  | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 57575    | 4.80  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 48810    | 4.91  | ug/L   | 97       |
| 71) Naphthalene               | 14.095 | 128  | 84523    | 5.05  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.337 | 180  | 48375    | 5.31  | ug/L   | 98       |

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

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QLast Update : Wed Apr 21 04:57:57 2021  
Response via : Initial Calibration

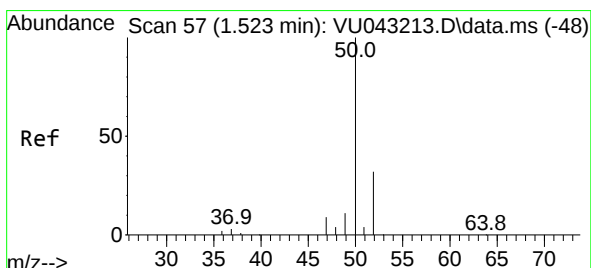
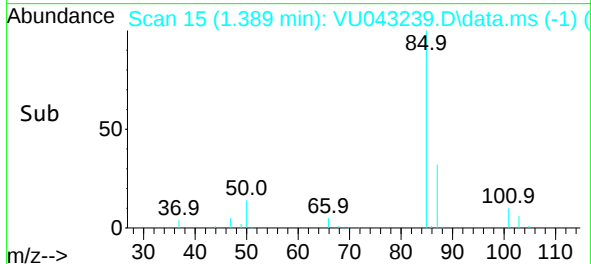
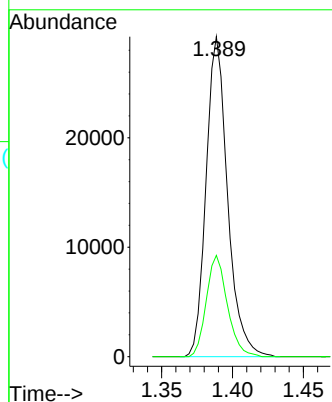
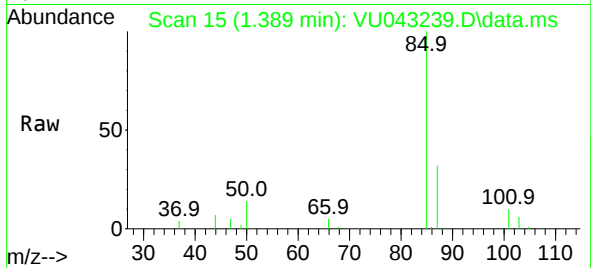




#2  
Dichlorodifluoromethane  
Concen: 5.32 ug/L  
RT: 1.389 min Scan# 15  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

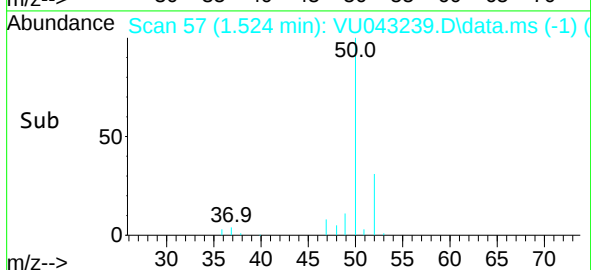
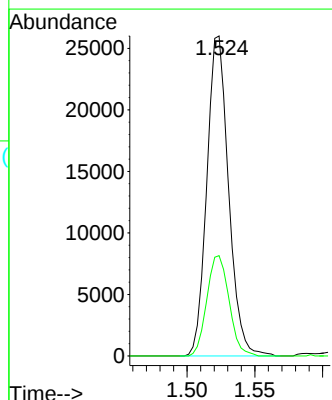
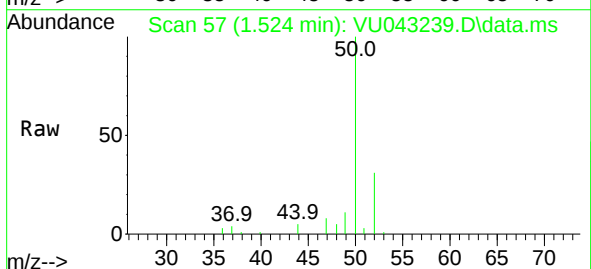
Instrument :  
MSVOA\_U  
ClientSampled :

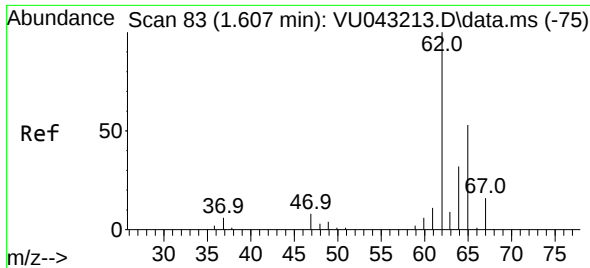
Tgt Ion: 85 Resp: 30756  
Ion Ratio Lower Upper  
85 100  
87 31.0 26.3 39.5



#3  
Chloromethane  
Concen: 5.09 ug/L  
RT: 1.524 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion: 50 Resp: 29003  
Ion Ratio Lower Upper  
50 100  
52 31.3 23.6 43.8

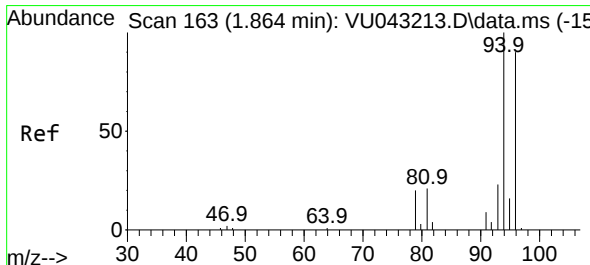
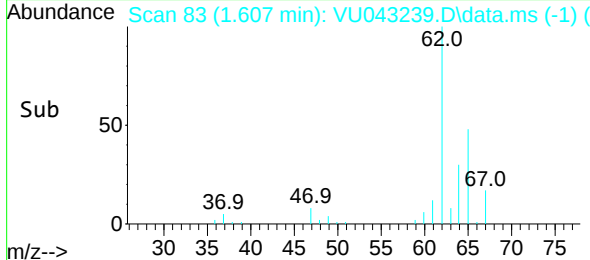
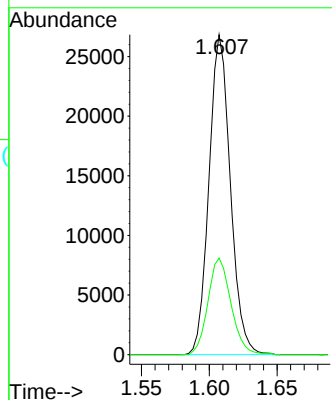
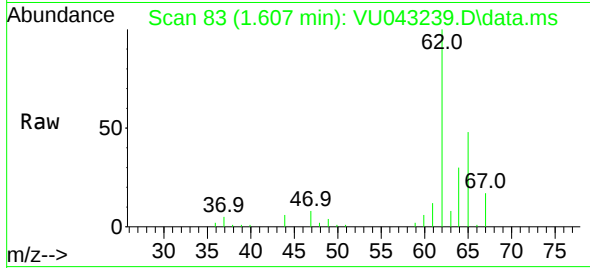




#5  
 Vinyl chloride  
 Concen: 4.96 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. 0.000 min  
 Lab File: VU043239.D  
 Acq: 21 Apr 2021 09:57

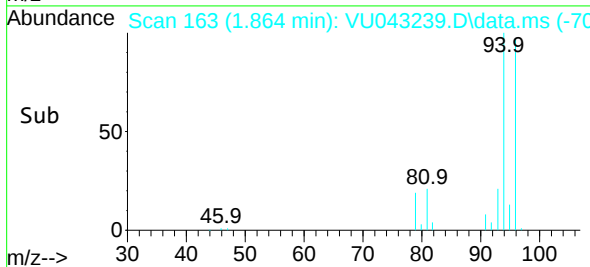
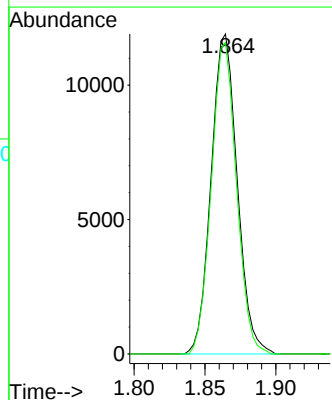
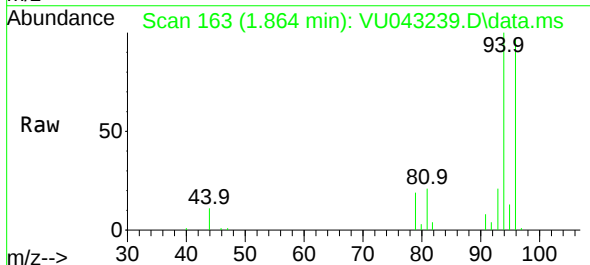
Instrument :  
 MSVOA\_U  
 ClientSampled :

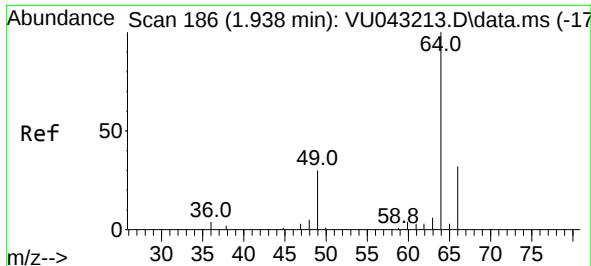
Tgt Ion: 62 Resp: 29425  
 Ion Ratio Lower Upper  
 62 100  
 64 30.2 22.8 42.4



#6  
 Bromomethane  
 Concen: 4.32 ug/L  
 RT: 1.864 min Scan# 163  
 Delta R.T. 0.000 min  
 Lab File: VU043239.D  
 Acq: 21 Apr 2021 09:57

Tgt Ion: 94 Resp: 15287  
 Ion Ratio Lower Upper  
 94 100  
 96 97.3 66.1 122.7

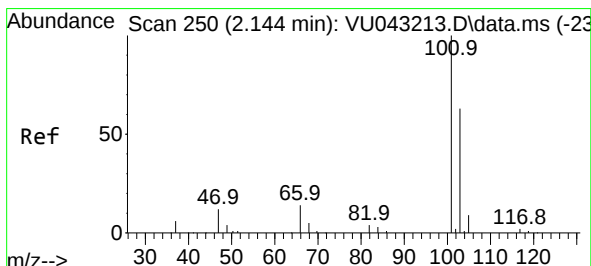
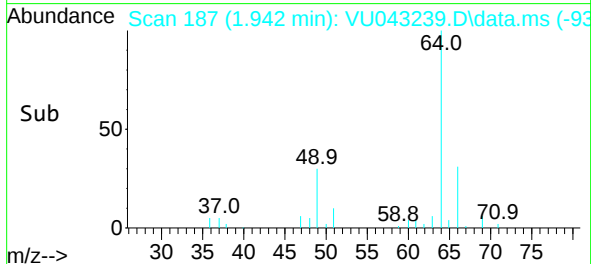
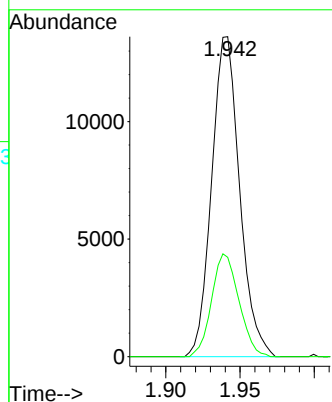
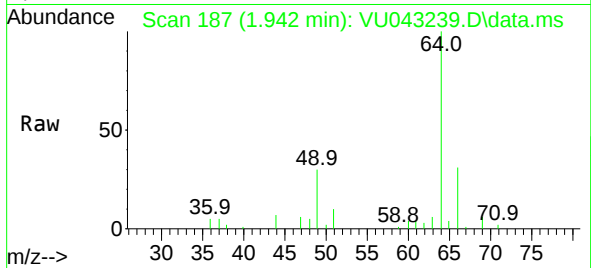




#8  
Chloroethane  
Concen: 4.18 ug/L  
RT: 1.942 min Scan# 187  
Delta R.T. 0.004 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

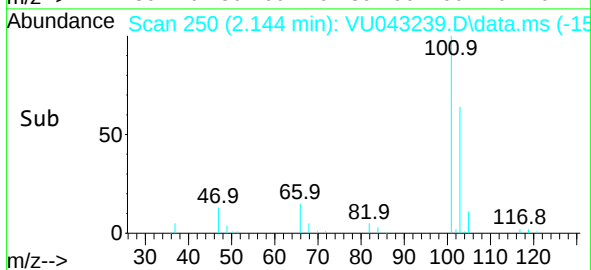
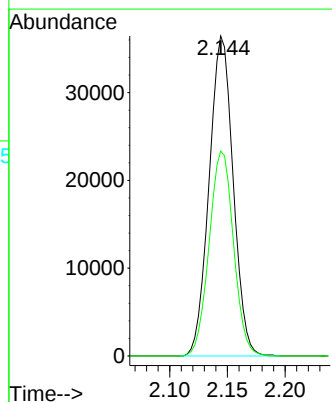
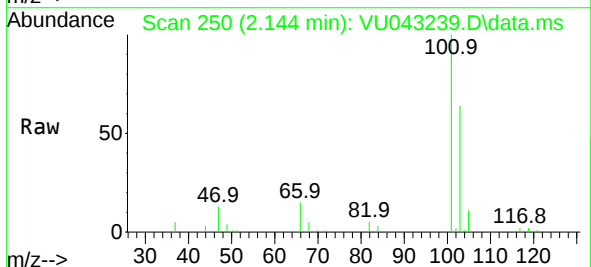
Instrument :  
MSVOA\_U  
ClientSampled :

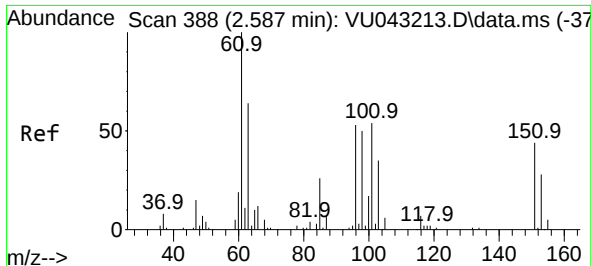
Tgt Ion: 64 Resp: 17848  
Ion Ratio Lower Upper  
64 100  
66 31.0 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 4.77 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion:101 Resp: 52703  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.5 77.3

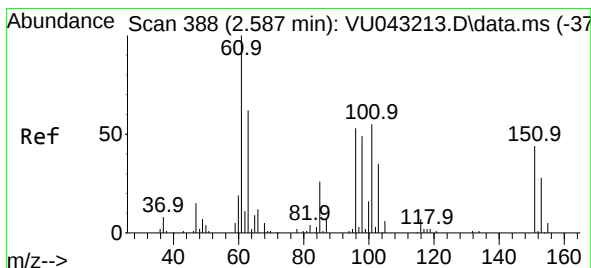
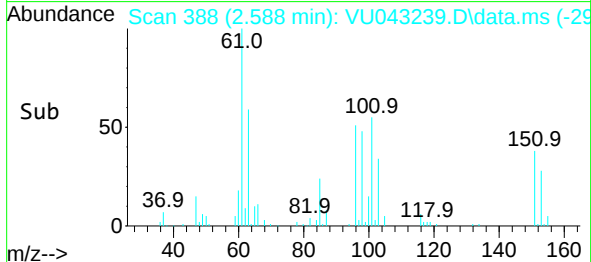
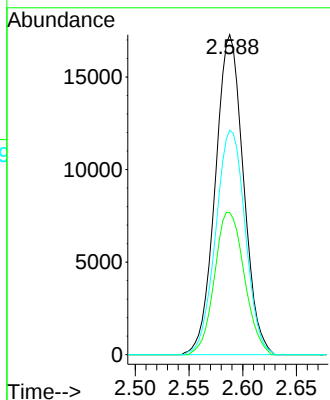
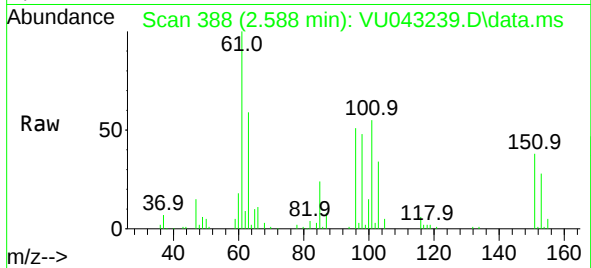




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.27 ug/L  
RT: 2.588 min Scan# 388  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

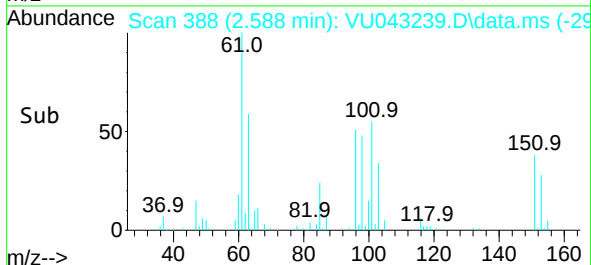
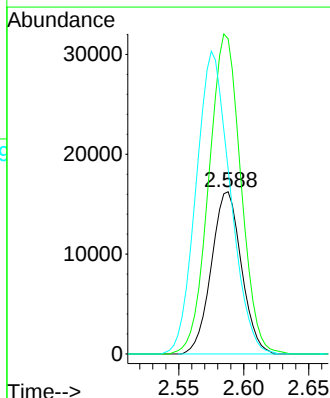
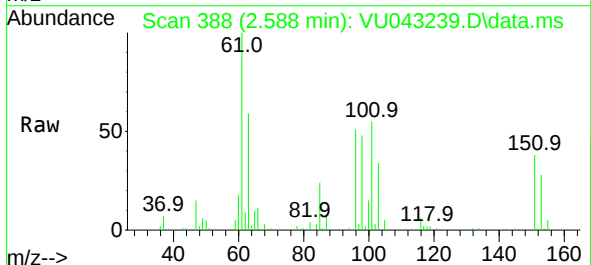
Instrument :  
MSVOA\_U  
ClientSampleId :

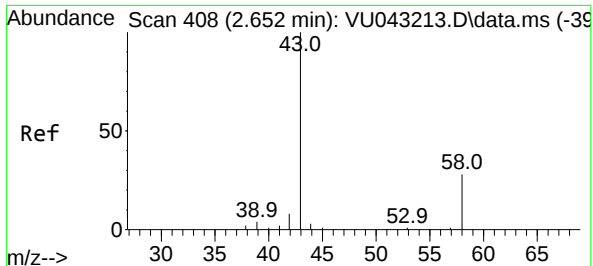
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Ion Ratio Lower Upper  
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151 73.7 57.4 86.2



#12  
1,1-Dichloroethene  
Concen: 5.20 ug/L  
RT: 2.588 min Scan# 388  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion: 96 Resp: 26091  
Ion Ratio Lower Upper  
96 100  
61 194.3 115.1 213.7  
63 114.2 84.1 156.1

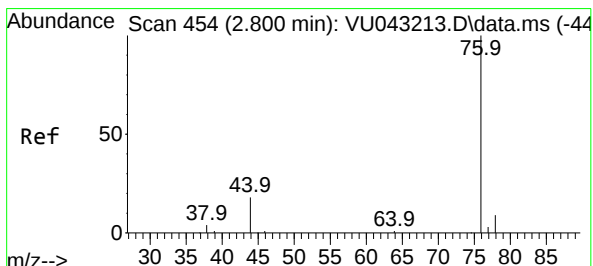
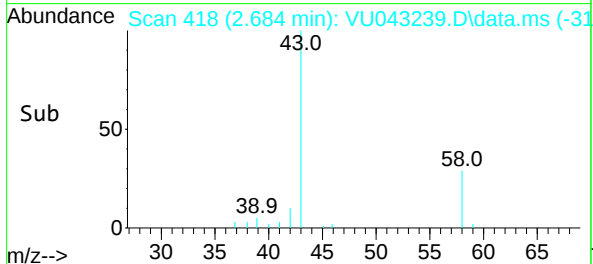
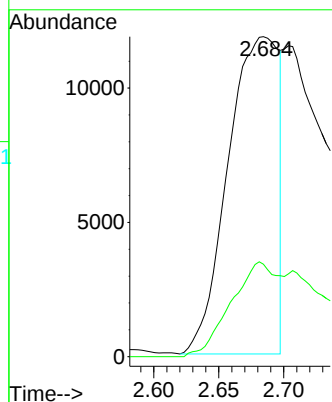
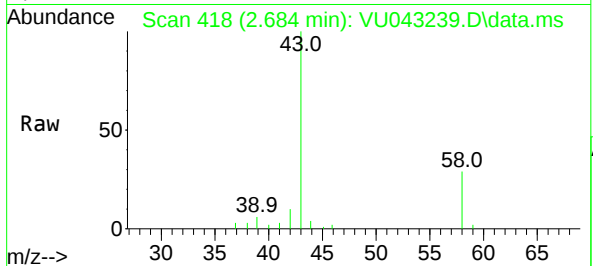




#13  
Acetone  
Concen: 21.62 ug/L  
RT: 2.684 min Scan# 418  
Delta R.T. 0.033 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

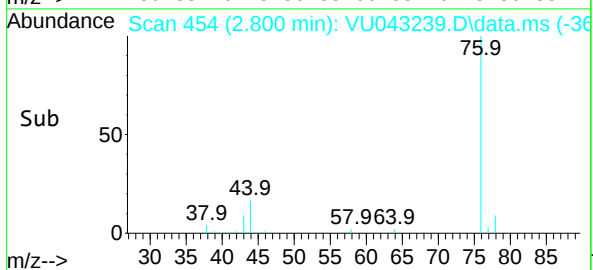
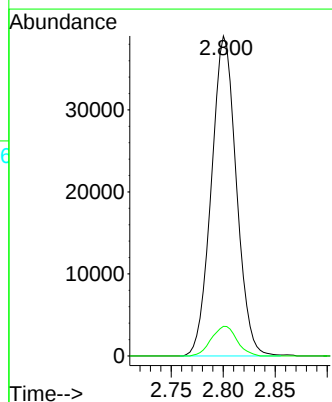
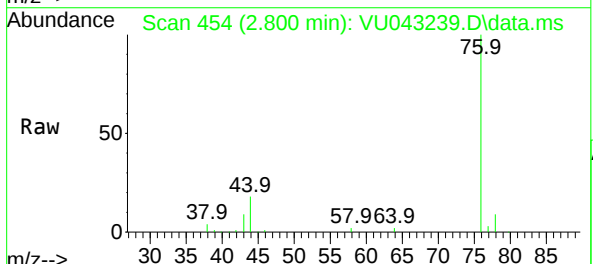
Instrument :  
MSVOA\_U  
ClientSampled :

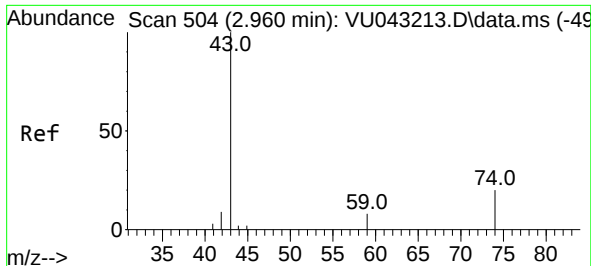
Tgt Ion: 43 Resp: 31983  
Ion Ratio Lower Upper  
43 100  
58 28.9 0.0 25.0#



#14  
Carbon disulfide  
Concen: 5.10 ug/L  
RT: 2.800 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion: 76 Resp: 65264  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.5 11.3

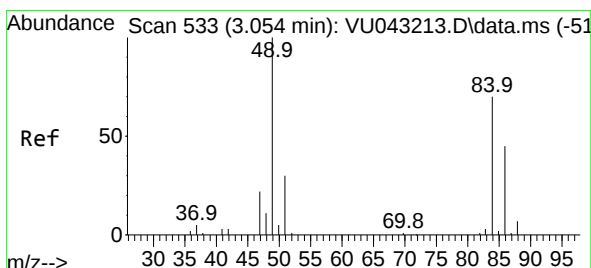
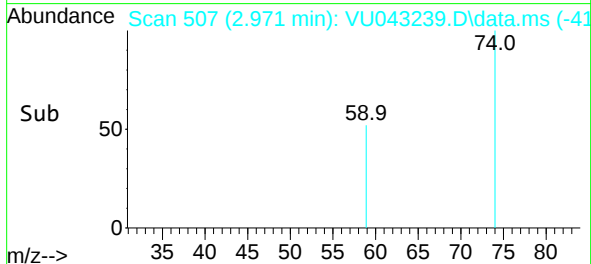
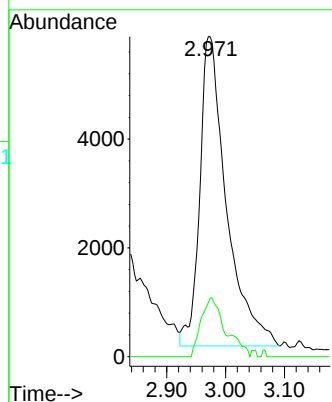
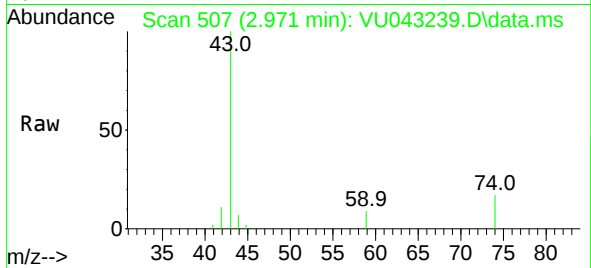




#15  
Methyl Acetate  
Concen: 6.44 ug/L  
RT: 2.971 min Scan# 507  
Delta R.T. 0.010 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

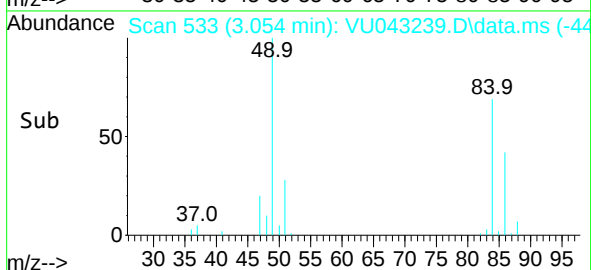
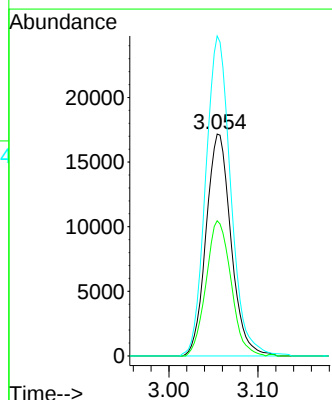
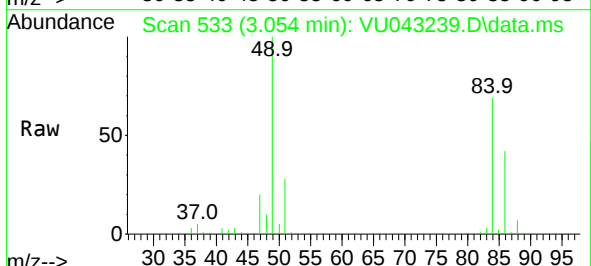
Instrument :  
MSVOA\_U  
ClientSampled :

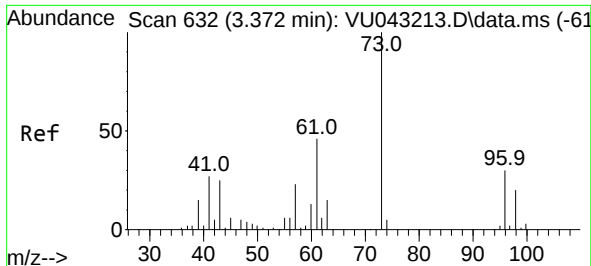
Tgt Ion: 43 Resp: 17926  
Ion Ratio Lower Upper  
43 100  
74 14.6 21.5 32.3#



#16  
Methylene chloride  
Concen: 5.15 ug/L  
RT: 3.054 min Scan# 533  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion: 84 Resp: 33420  
Ion Ratio Lower Upper  
84 100  
86 60.9 44.9 83.5  
49 144.2 79.0 146.8



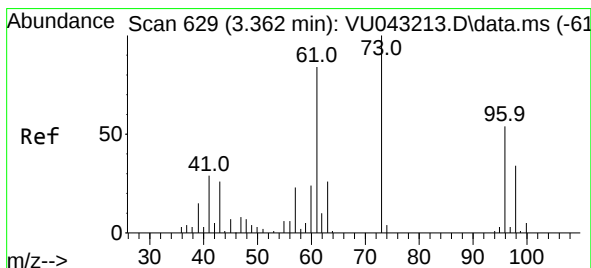
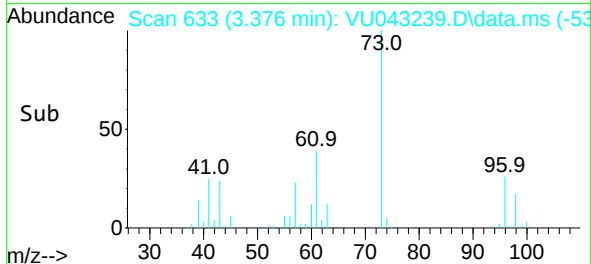
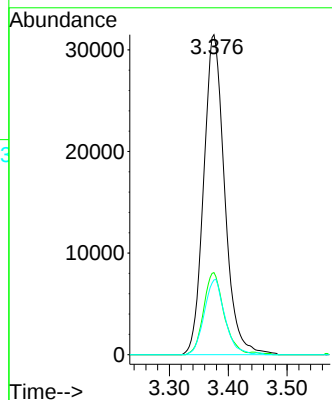
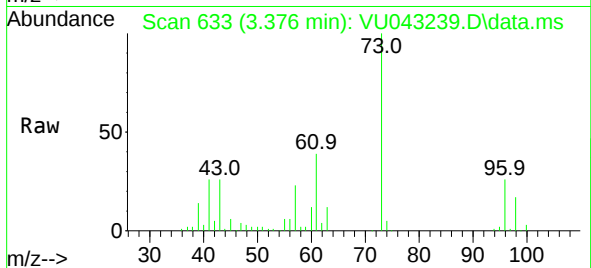


#17

Methyl tert-butyl Ether  
Concen: 4.75 ug/L  
RT: 3.376 min Scan# 633  
Delta R.T. 0.004 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Instrument :  
MSVOA\_U  
ClientSampleId :

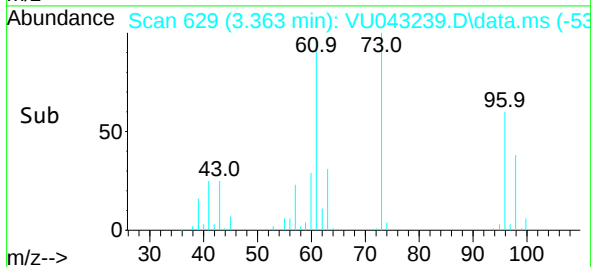
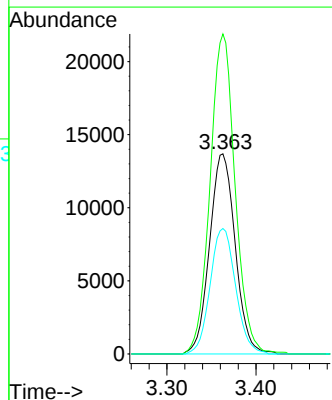
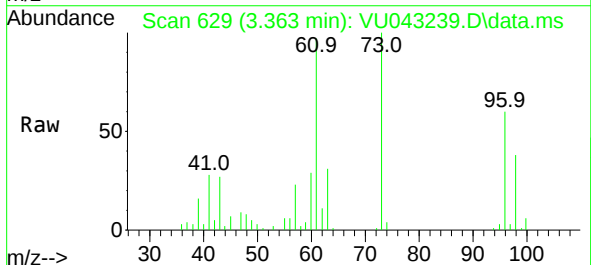
Tgt Ion: 73 Resp: 77918  
Ion Ratio Lower Upper  
73 100  
43 24.8 15.0 22.4#  
57 23.0 17.3 25.9

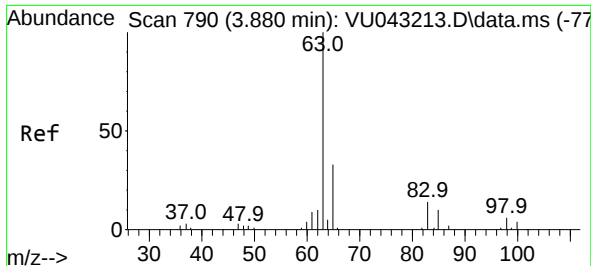


#18

trans-1,2-Dichloroethene  
Concen: 5.12 ug/L  
RT: 3.363 min Scan# 629  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion: 96 Resp: 27413  
Ion Ratio Lower Upper  
96 100  
61 159.8 96.6 179.4  
98 62.6 44.7 82.9





#19

1,1-Dichloroethane

Concen: 5.10 ug/L

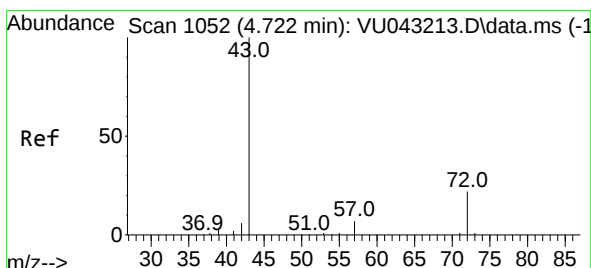
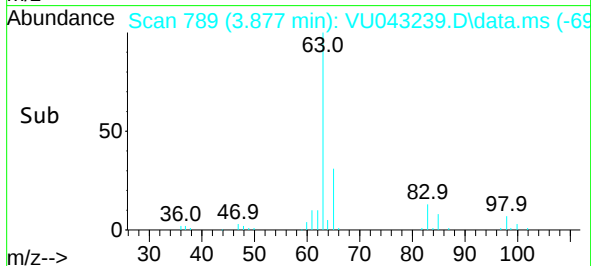
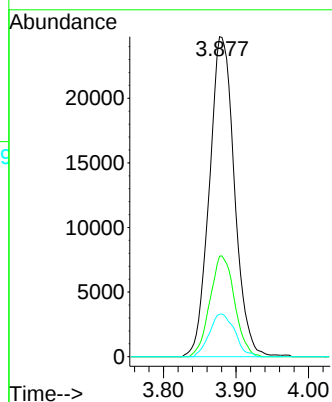
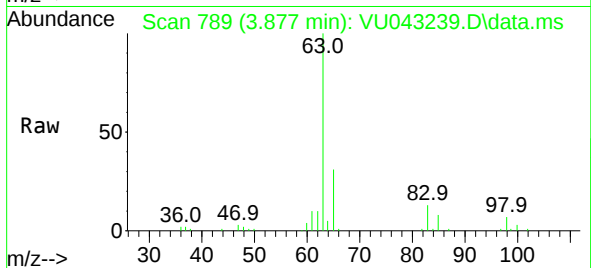
RT: 3.877 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU043239.D

Acq: 21 Apr 2021 09:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 59370 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.4  | 23.2  | 43.0  |
| 83       | 13.3  | 9.9   | 18.3  |



#21

2-Butanone

Concen: 54.01 ug/L

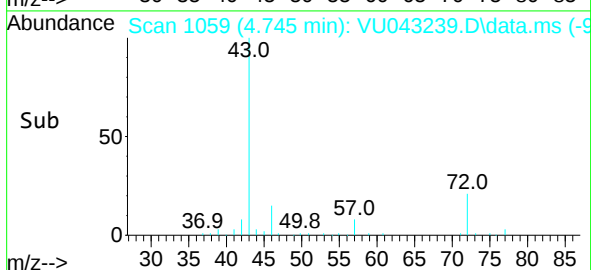
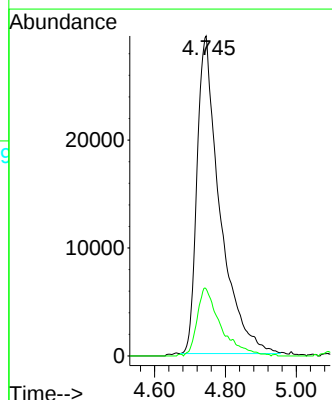
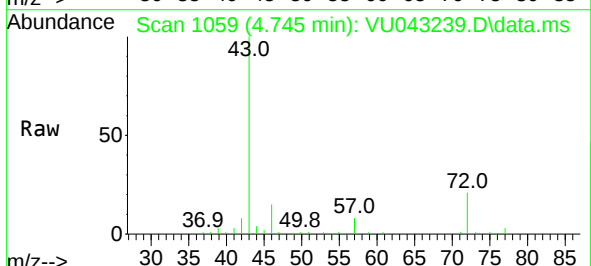
RT: 4.745 min Scan# 1059

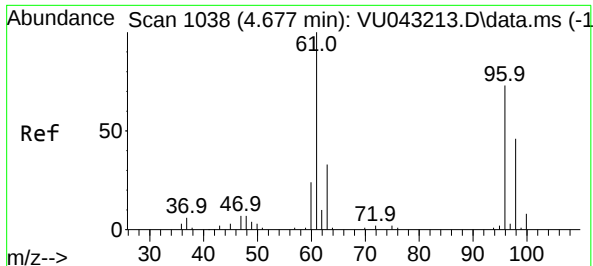
Delta R.T. 0.023 min

Lab File: VU043239.D

Acq: 21 Apr 2021 09:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 131863 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 72       | 22.1  | 15.8  | 47.3   |





#22

cis-1,2-Dichloroethene

Concen: 4.98 ug/L

RT: 4.675 min Scan# 1037

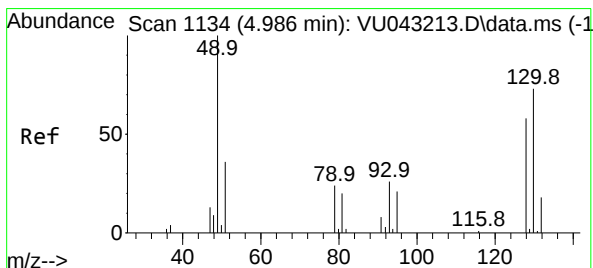
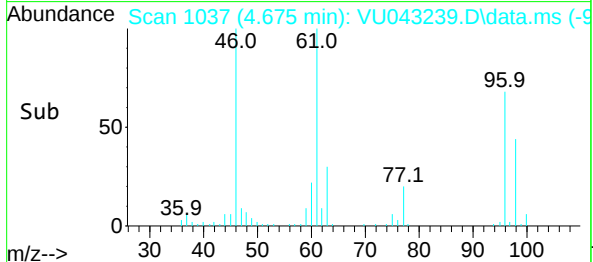
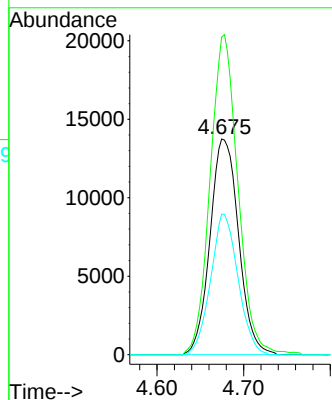
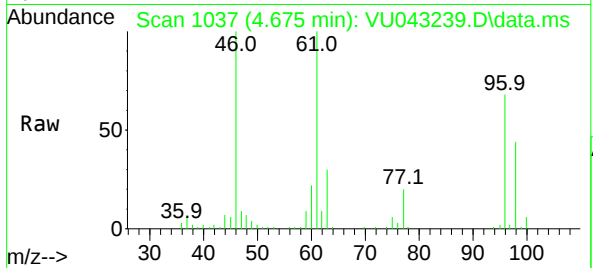
Delta R.T. -0.003 min

Lab File: VU043239.D

Acq: 21 Apr 2021 09:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 31529 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 147.3 | 87.4  | 162.4 |
| 98       | 65.2  | 47.7  | 88.5  |

Instrument :  
MSVOA\_U  
ClientSampled :



#23

Bromochloromethane

Concen: 5.34 ug/L

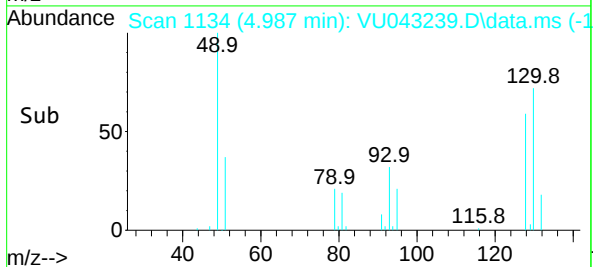
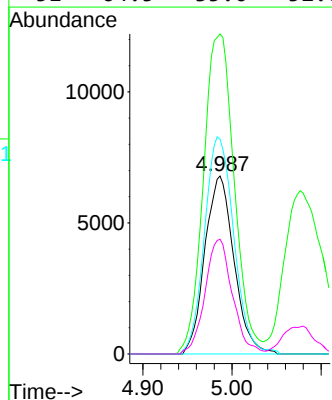
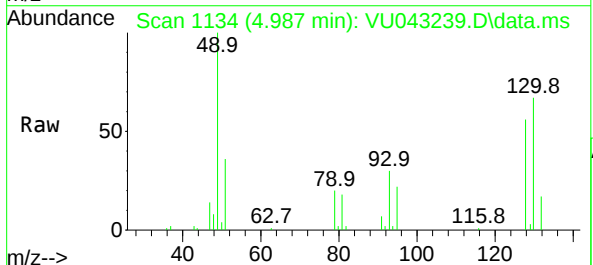
RT: 4.987 min Scan# 1134

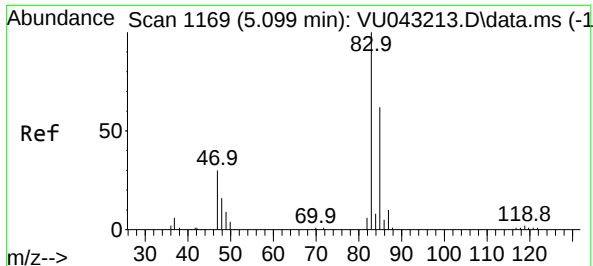
Delta R.T. 0.000 min

Lab File: VU043239.D

Acq: 21 Apr 2021 09:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 15429  |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 49       | 179.8 | 96.4  | 179.0# |
| 130      | 120.7 | 91.2  | 169.4  |
| 51       | 64.5  | 35.0  | 52.6#  |





#25

Chloroform

Concen: 5.08 ug/L

RT: 5.099 min Scan# 1169

Delta R.T. 0.000 min

Lab File: VU043239.D

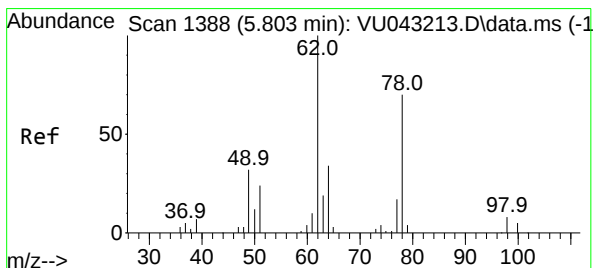
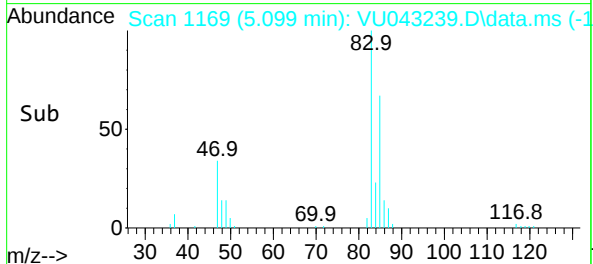
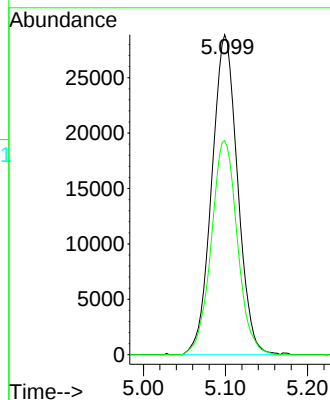
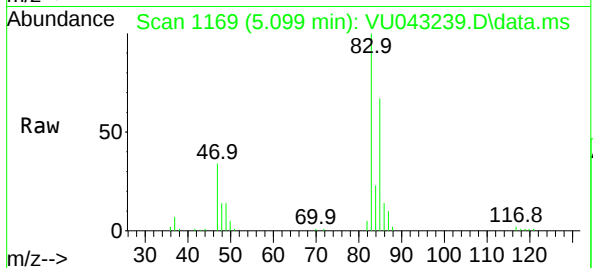
Acq: 21 Apr 2021 09:57

Tgt Ion: 83 Resp: 63136

Ion Ratio Lower Upper

83 100

85 66.9 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.26 ug/L

RT: 5.806 min Scan# 1389

Delta R.T. 0.004 min

Lab File: VU043239.D

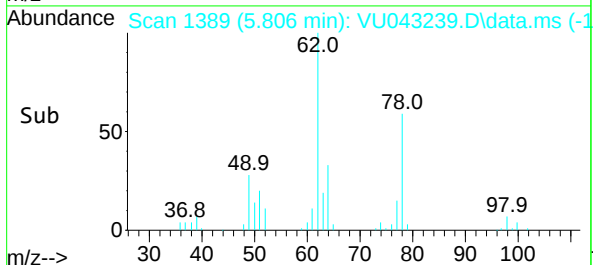
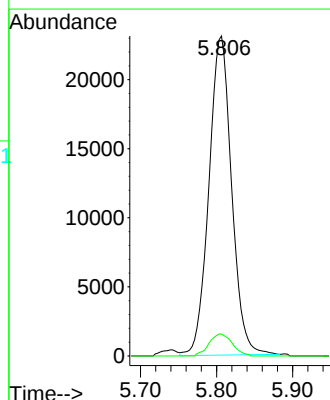
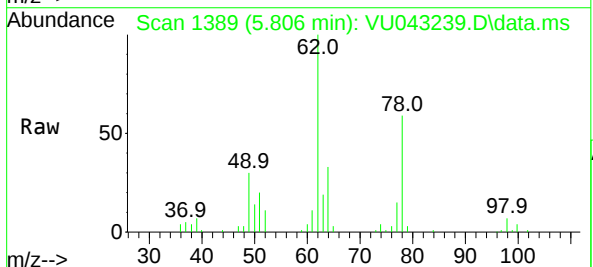
Acq: 21 Apr 2021 09:57

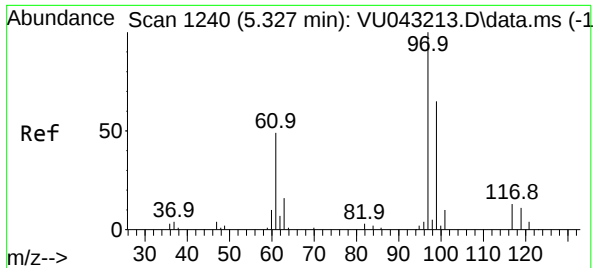
Tgt Ion: 62 Resp: 47886

Ion Ratio Lower Upper

62 100

98 6.8 7.5 11.3#





#29

1,1,1-Trichloroethane

Concen: 5.04 ug/L

RT: 5.327 min Scan# 1240

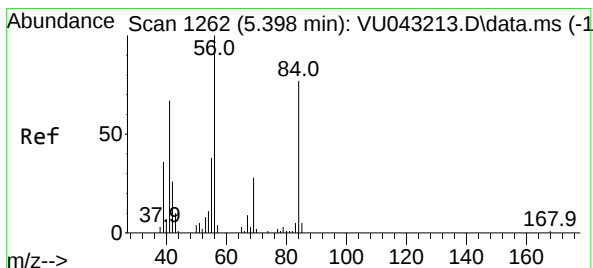
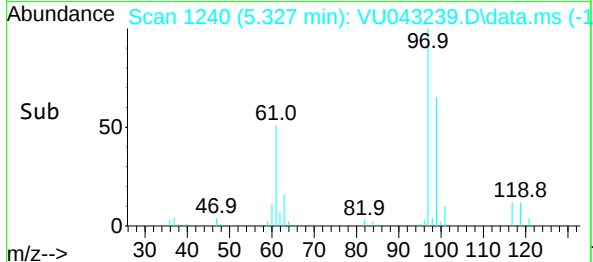
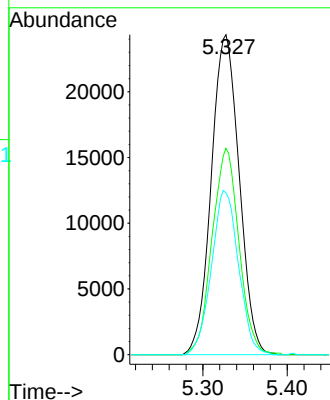
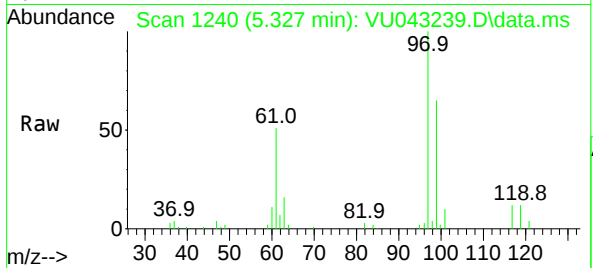
Delta R.T. 0.000 min

Lab File: VU043239.D

Acq: 21 Apr 2021 09:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 55993 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.2  | 50.3  | 75.5  |
| 61       | 49.7  | 32.7  | 49.1# |

Instrument :  
MSVOA\_U  
ClientSampled :



#30

Cyclohexane

Concen: 4.74 ug/L

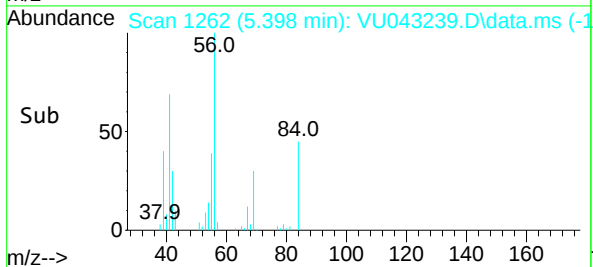
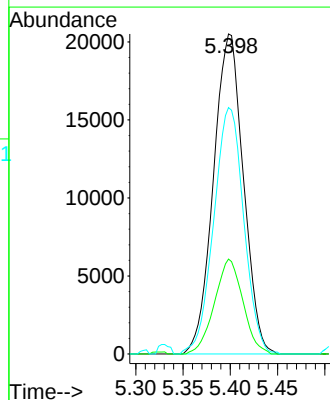
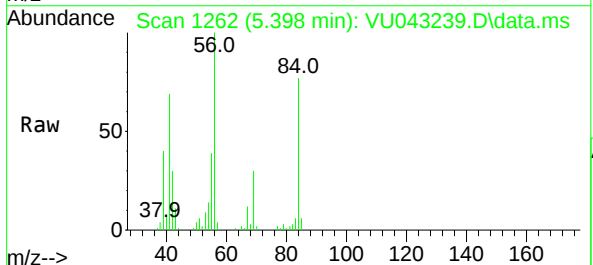
RT: 5.398 min Scan# 1262

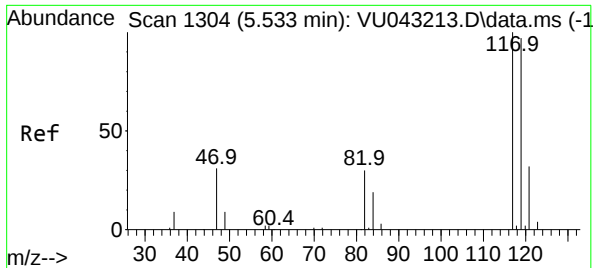
Delta R.T. 0.000 min

Lab File: VU043239.D

Acq: 21 Apr 2021 09:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 45144 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 28.2  | 25.2  | 37.8  |
| 84       | 77.3  | 76.2  | 114.4 |

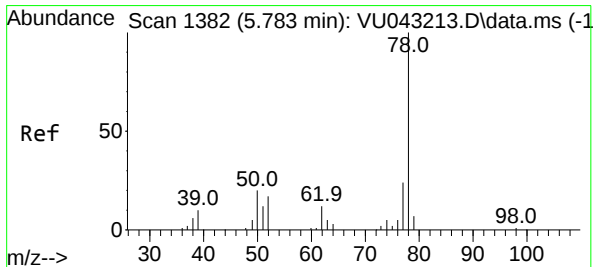
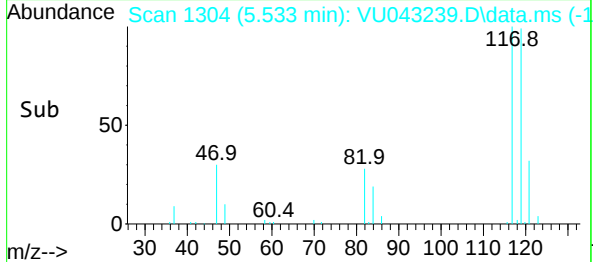
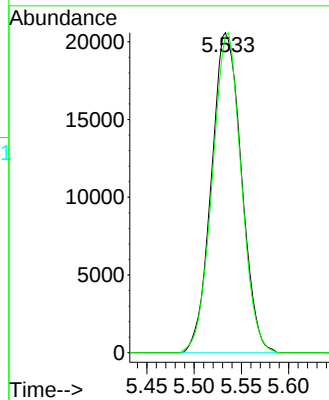
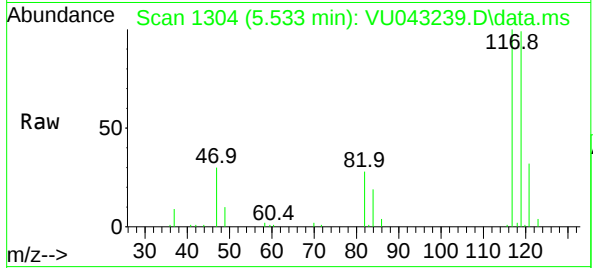




#31  
Carbon tetrachloride  
Concen: 4.90 ug/L  
RT: 5.533 min Scan# 1304  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

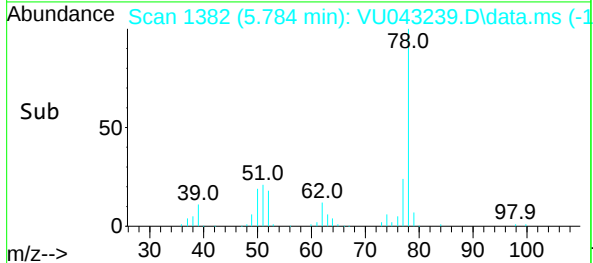
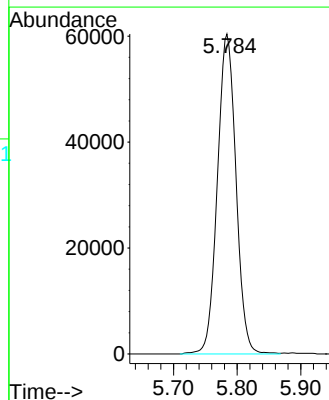
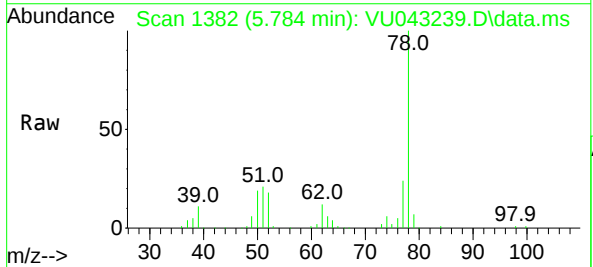
Instrument :  
MSVOA\_U  
ClientSampleId :

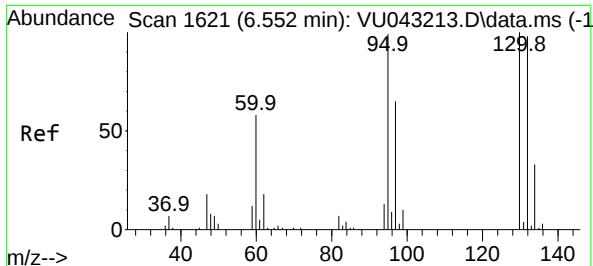
Tgt Ion:117 Resp: 45446  
Ion Ratio Lower Upper  
117 100  
119 96.4 76.2 114.4



#33  
Benzene  
Concen: 5.10 ug/L  
RT: 5.784 min Scan# 1382  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion: 78 Resp: 122772



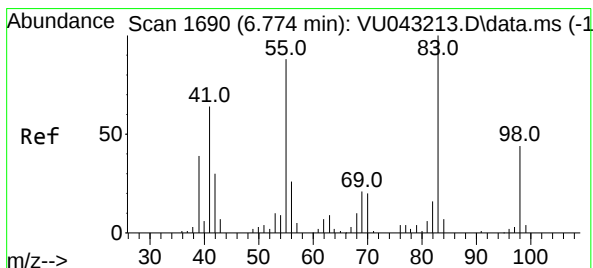
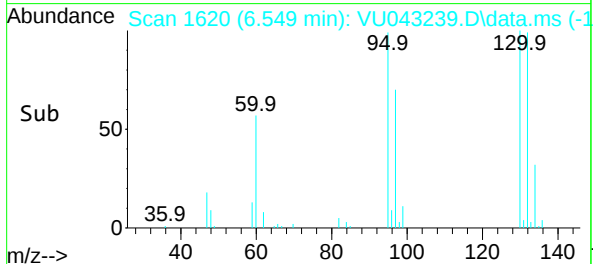
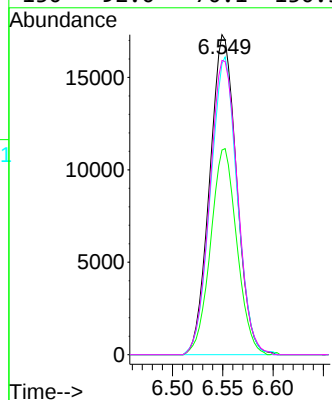
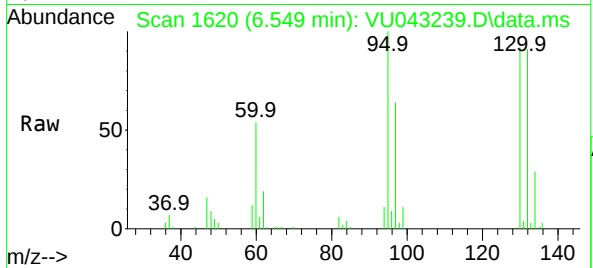


#34  
Trichloroethene  
Concen: 4.85 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. -0.003 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 95 Resp: 32134

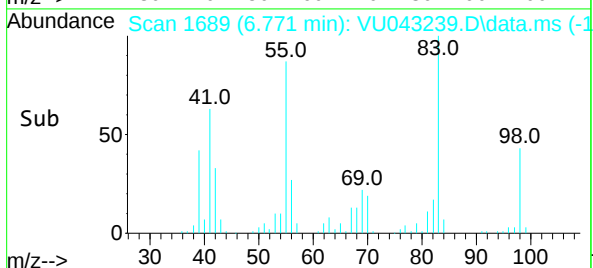
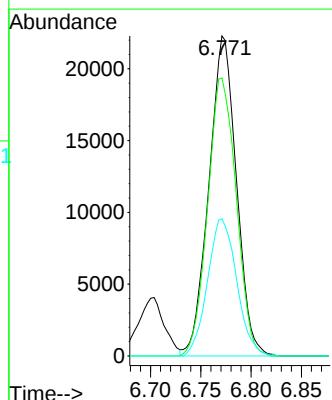
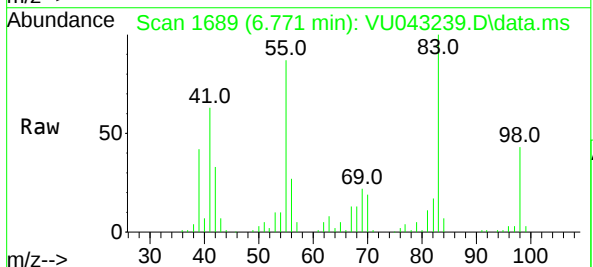
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.9  | 45.8  | 85.2  |
| 132 | 91.0  | 68.7  | 127.7 |
| 130 | 92.0  | 70.1  | 130.3 |

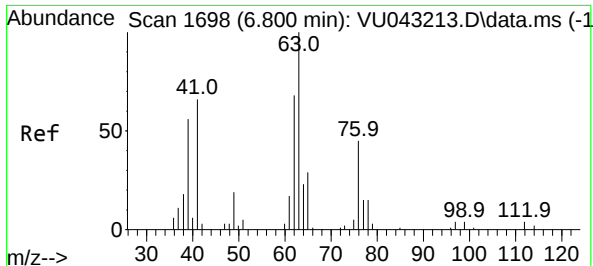


#35  
Methylcyclohexane  
Concen: 4.62 ug/L  
RT: 6.771 min Scan# 1689  
Delta R.T. -0.003 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion: 83 Resp: 42444

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 89.9  | 59.5  | 89.3# |
| 98  | 45.4  | 37.9  | 56.9  |



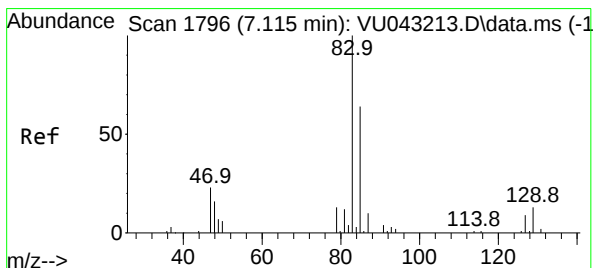
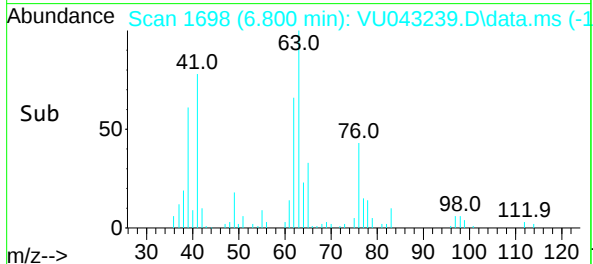
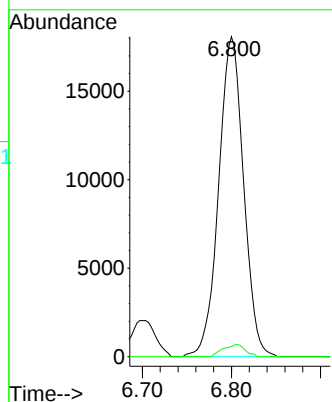
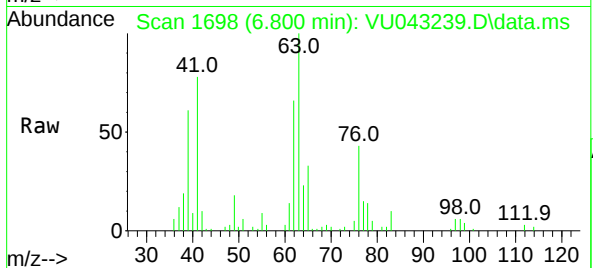


#37

1,2-Dichloropropane  
Concen: 5.19 ug/L  
RT: 6.800 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Instrument :  
MSVOA\_U  
ClientSampled :

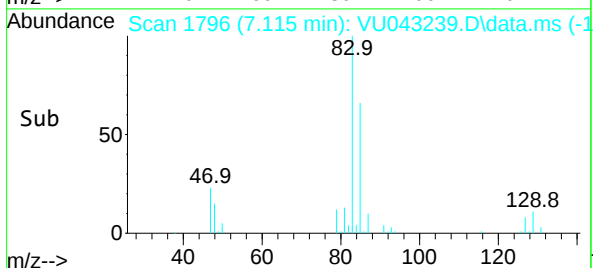
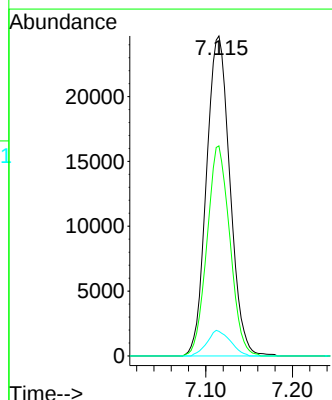
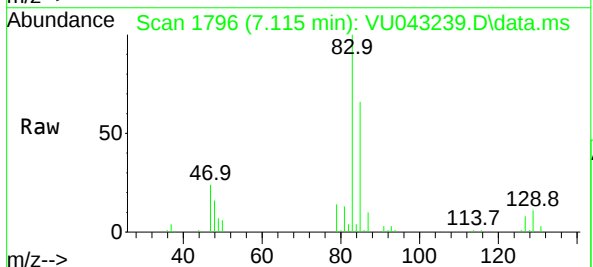
Tgt Ion: 63 Resp: 35155  
Ion Ratio Lower Upper  
63 100  
112 3.4 3.5 5.3#

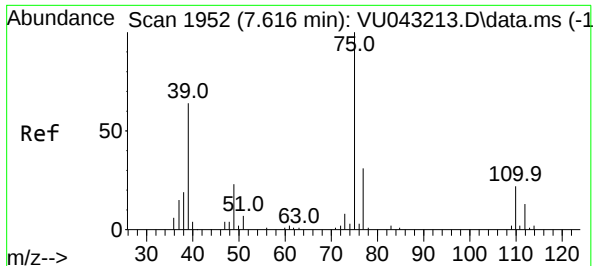


#38

Bromodichloromethane  
Concen: 5.10 ug/L  
RT: 7.115 min Scan# 1796  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion: 83 Resp: 46425  
Ion Ratio Lower Upper  
83 100  
85 65.7 44.6 82.8  
127 7.7 7.4 11.2



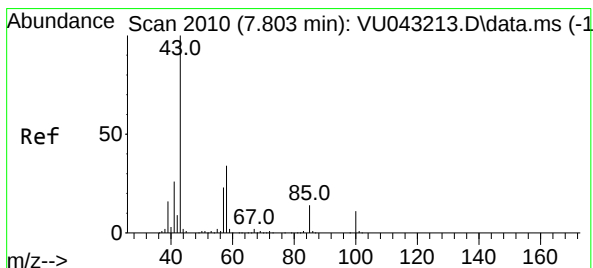
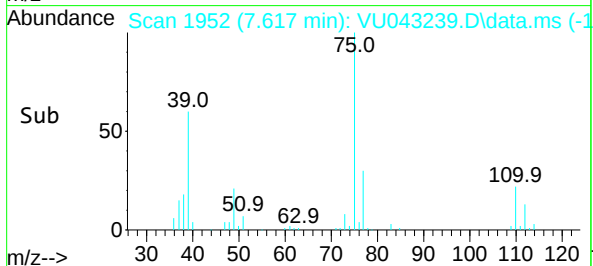
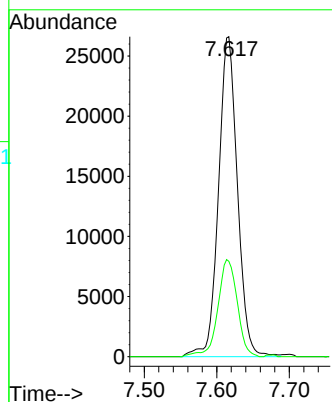
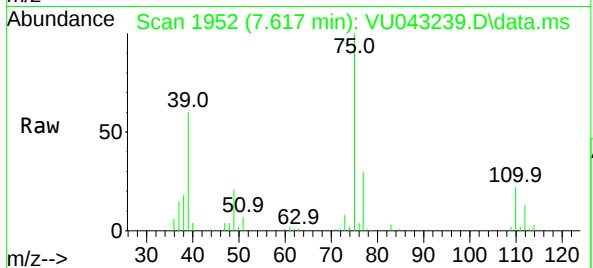


#39

cis-1,3-Dichloropropene  
 Concen: 4.88 ug/L  
 RT: 7.617 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VU043239.D  
 Acq: 21 Apr 2021 09:57

Instrument :  
 MSVOA\_U  
 ClientSampled :

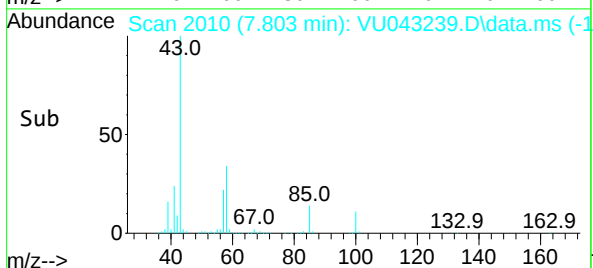
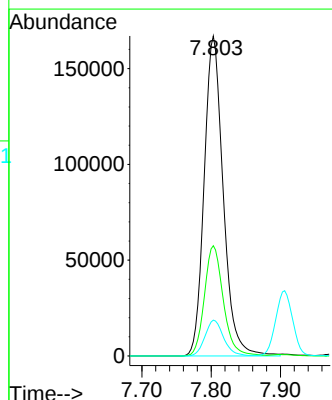
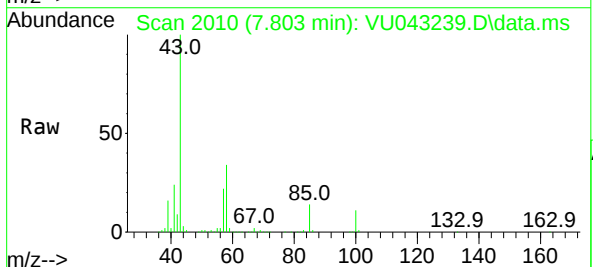
Tgt Ion: 75 Resp: 48340  
 Ion Ratio Lower Upper  
 75 100  
 77 29.8 21.8 40.6

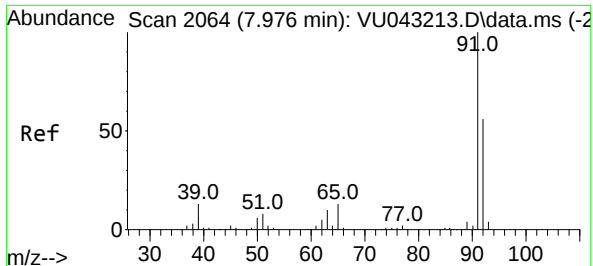


#40

4-Methyl-2-pentanone  
 Concen: 52.57 ug/L  
 RT: 7.803 min Scan# 2010  
 Delta R.T. 0.000 min  
 Lab File: VU043239.D  
 Acq: 21 Apr 2021 09:57

Tgt Ion: 43 Resp: 318838  
 Ion Ratio Lower Upper  
 43 100  
 58 34.2 35.8 53.6#  
 100 10.9 15.1 22.7#

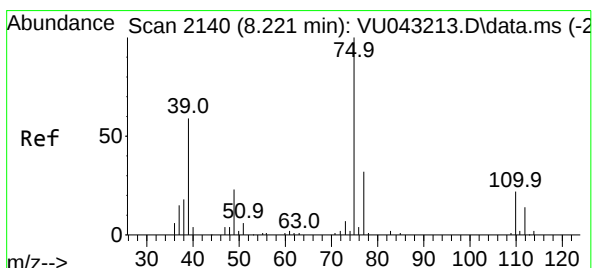
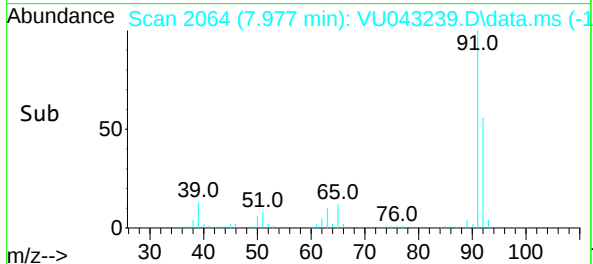
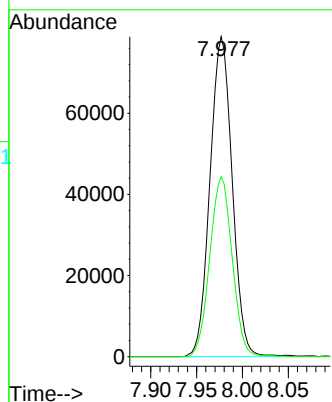
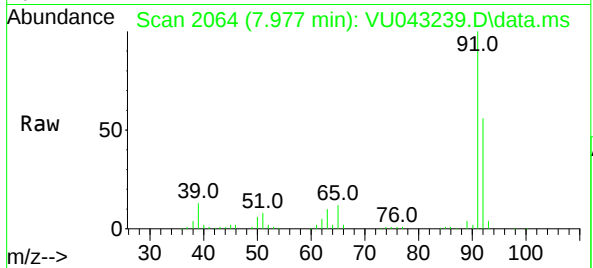




#42  
Toluene  
Concen: 4.93 ug/L  
RT: 7.977 min Scan# 2064  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

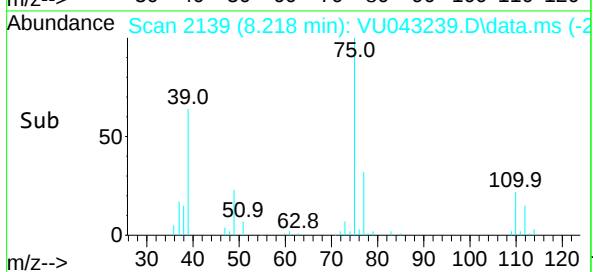
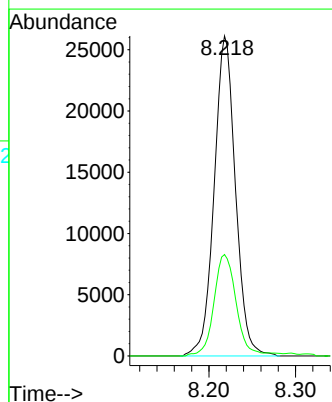
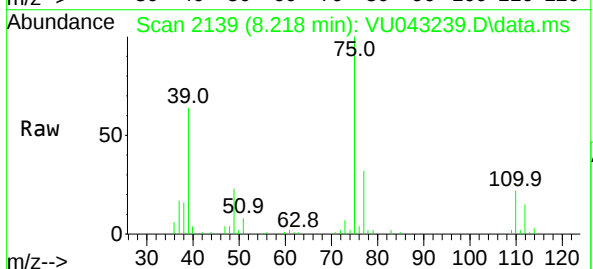
Instrument :  
MSVOA\_U  
ClientSampled :

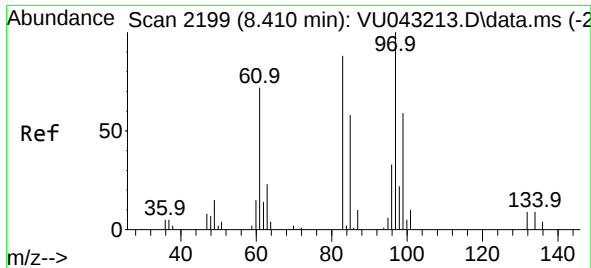
Tgt Ion: 91 Resp: 132802  
Ion Ratio Lower Upper  
91 100  
92 56.2 40.9 76.0



#44  
trans-1,3-Dichloropropene  
Concen: 4.78 ug/L  
RT: 8.218 min Scan# 2139  
Delta R.T. -0.003 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion: 75 Resp: 44620  
Ion Ratio Lower Upper  
75 100  
77 31.7 23.4 43.4

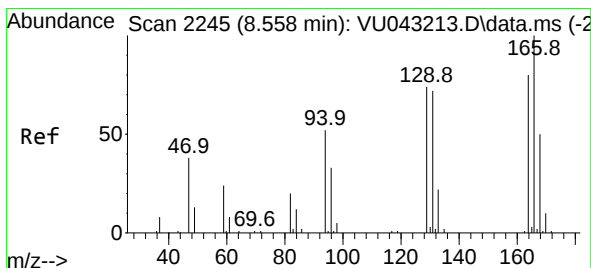
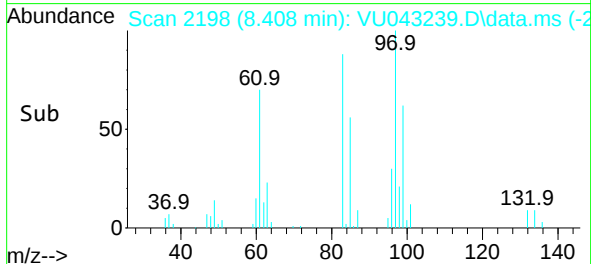
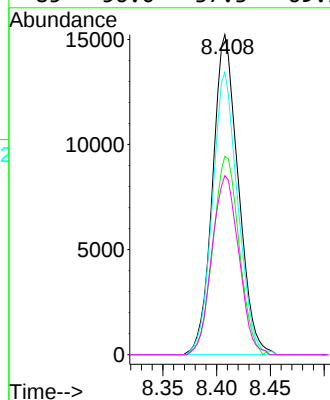
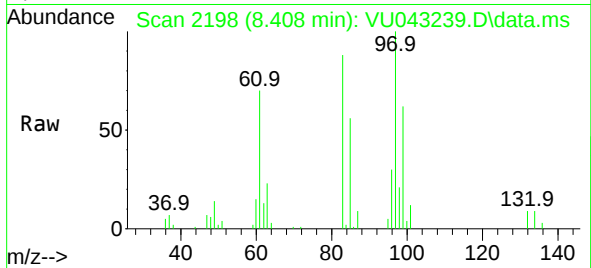




#45  
1,1,2-Trichloroethane  
Concen: 5.00 ug/L  
RT: 8.408 min Scan# 2198  
Delta R.T. -0.003 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

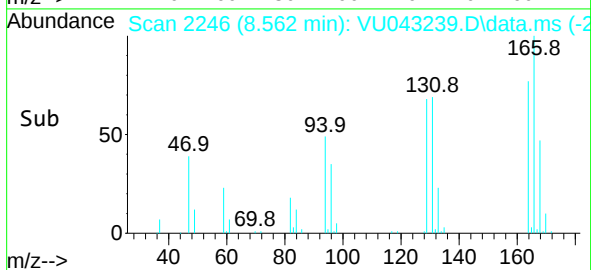
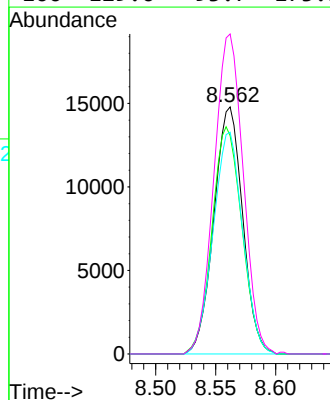
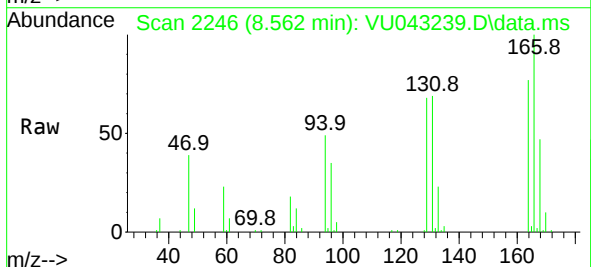
Instrument :  
MSVOA\_U  
ClientSampleId :

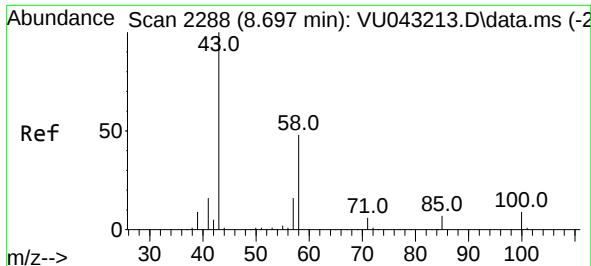
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 25312 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.0  | 44.2  | 82.0  |
| 83       | 88.3  | 60.1  | 111.7 |
| 85       | 56.0  | 37.3  | 69.3  |



#47  
Tetrachloroethene  
Concen: 4.69 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. 0.004 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 24663 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 88.4  | 66.6  | 123.8 |
| 131      | 89.8  | 65.9  | 122.3 |
| 166      | 129.6 | 93.7  | 173.9 |



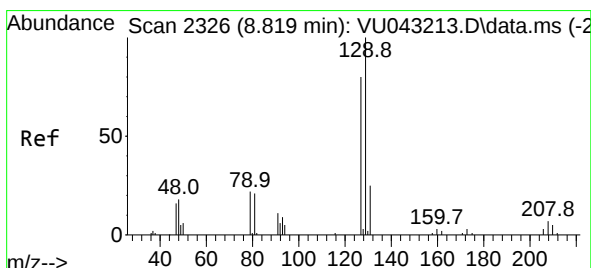
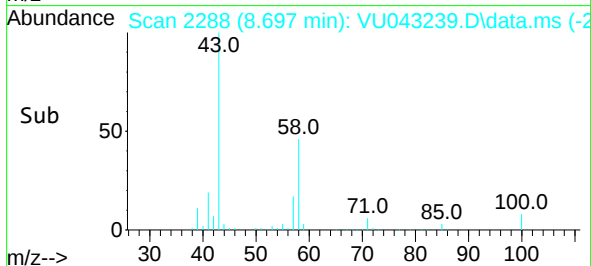
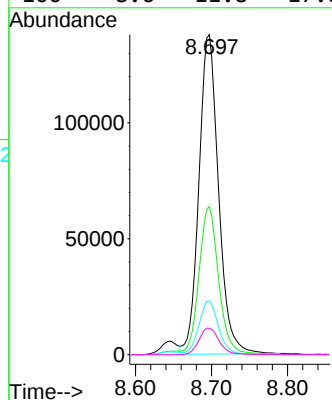
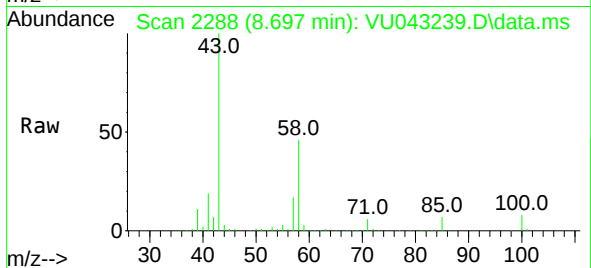


#48  
2-Hexanone  
Concen: 55.25 ug/L  
RT: 8.697 min Scan# 2288  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 43 Resp: 246546

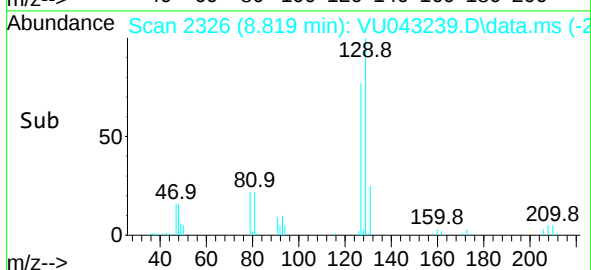
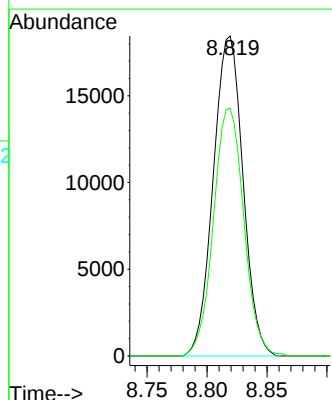
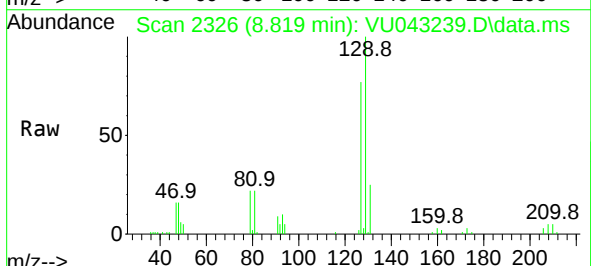
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 47.8  | 50.0  | 75.0# |
| 57  | 17.2  | 17.4  | 26.0# |
| 100 | 8.6   | 11.8  | 17.8# |

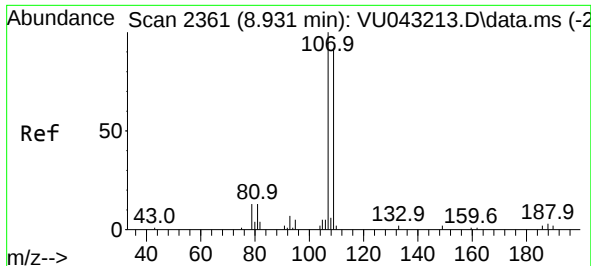


#49  
Dibromochloromethane  
Concen: 4.98 ug/L  
RT: 8.819 min Scan# 2326  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion: 129 Resp: 31805

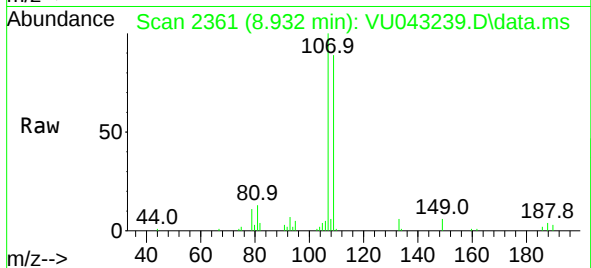
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.4  | 56.6  | 105.2 |



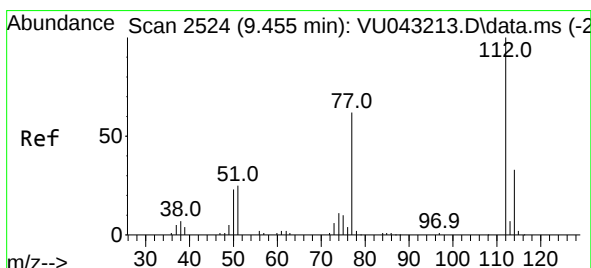
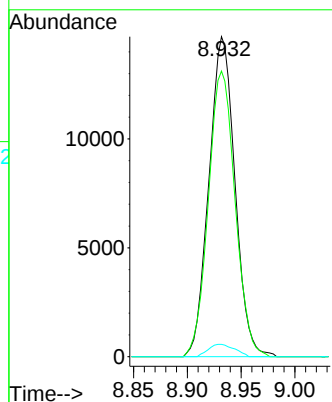
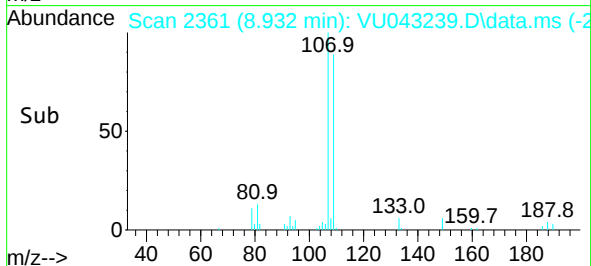


#50  
1,2-Dibromoethane  
Concen: 4.91 ug/L  
RT: 8.932 min Scan# 2361  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

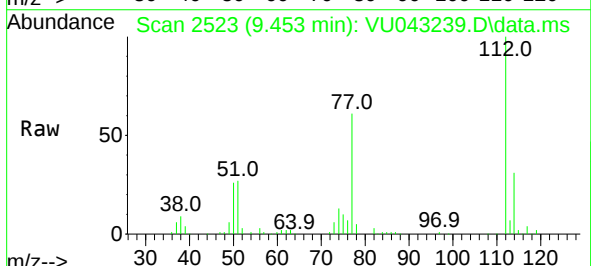
Instrument :  
MSVOA\_U  
ClientSampleId :



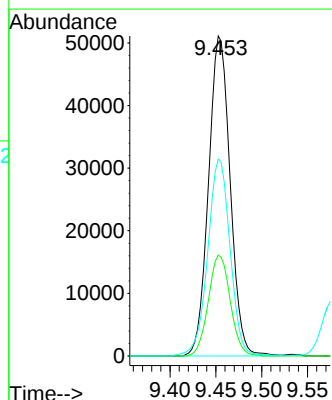
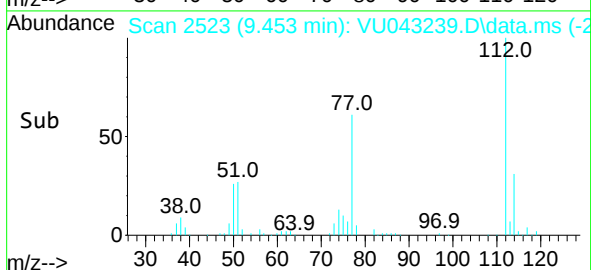
Tgt Ion:107 Resp: 24746  
Ion Ratio Lower Upper  
107 100  
109 89.3 65.4 121.4  
188 3.9 2.5 3.7#

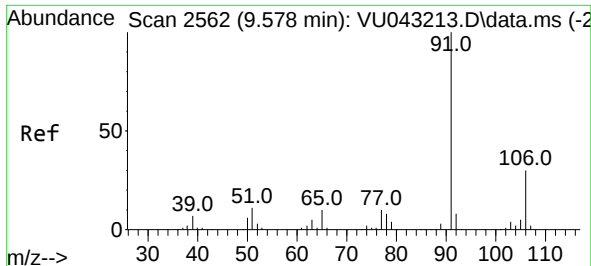


#51  
Chlorobenzene  
Concen: 4.90 ug/L  
RT: 9.453 min Scan# 2523  
Delta R.T. -0.003 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57



Tgt Ion:112 Resp: 84015  
Ion Ratio Lower Upper  
112 100  
114 31.5 21.9 40.7  
77 61.5 45.1 67.7





#52

Ethylbenzene

Concen: 4.67 ug/L

RT: 9.578 min Scan# 2562

Delta R.T. 0.000 min

Lab File: VU043239.D

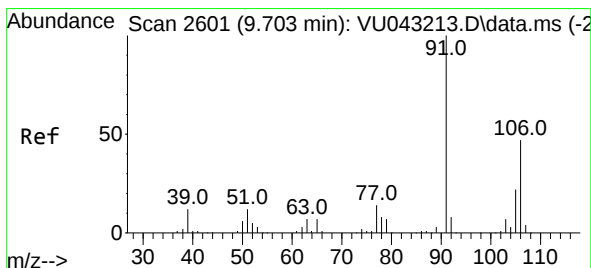
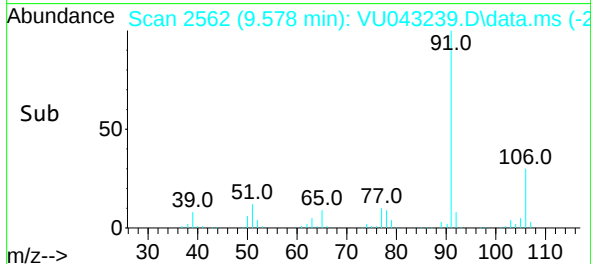
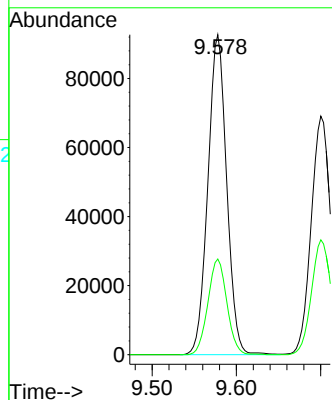
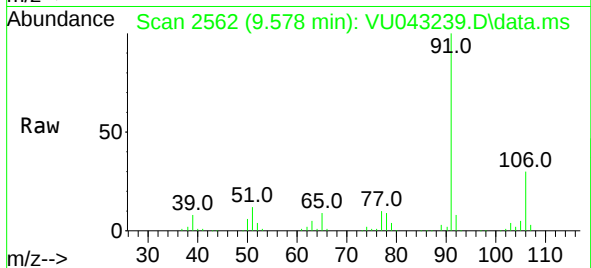
Acq: 21 Apr 2021 09:57

Tgt Ion: 91 Resp: 143870

Ion Ratio Lower Upper

91 100

106 29.9 22.0 40.8



#53

m,p-Xylene

Concen: 4.77 ug/L

RT: 9.700 min Scan# 2600

Delta R.T. -0.003 min

Lab File: VU043239.D

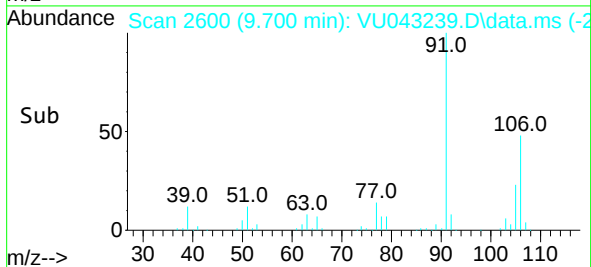
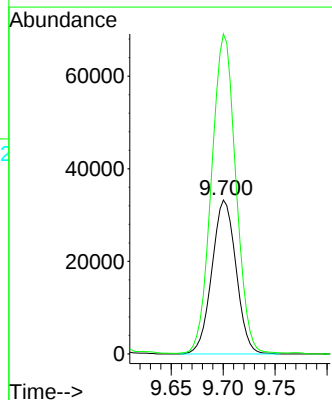
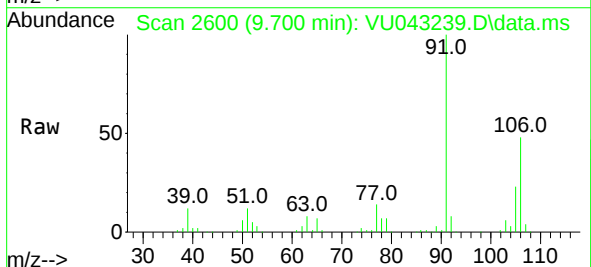
Acq: 21 Apr 2021 09:57

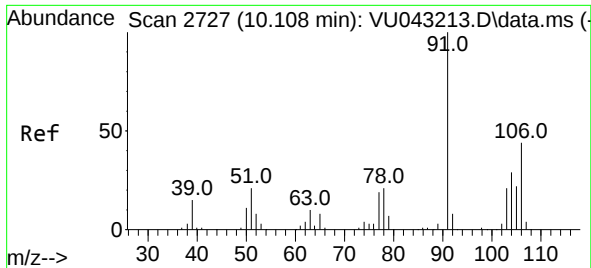
Tgt Ion: 106 Resp: 53771

Ion Ratio Lower Upper

106 100

91 207.8 137.6 255.6

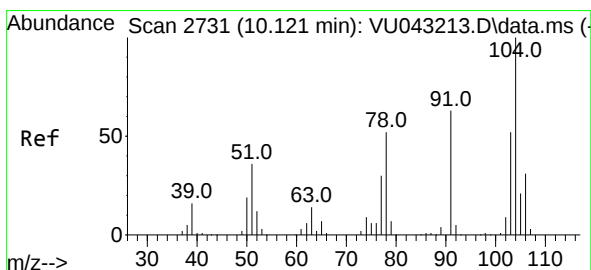
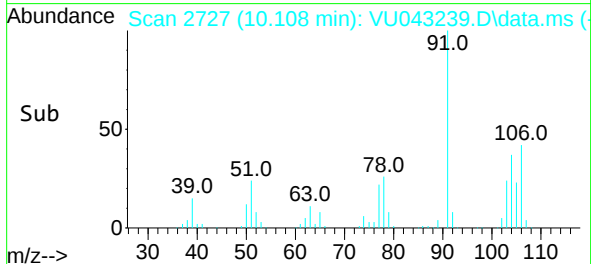
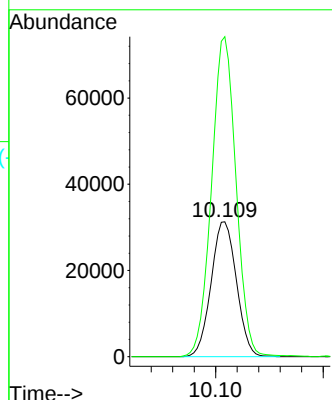
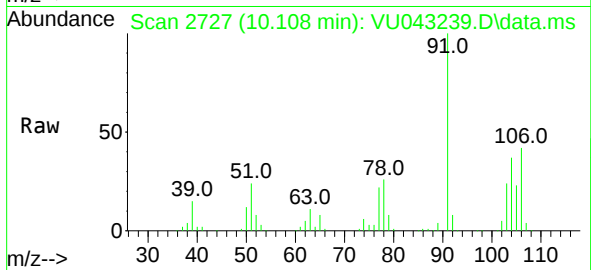




#54  
o-Xylene  
Concen: 4.59 ug/L  
RT: 10.108 min Scan# 2727  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

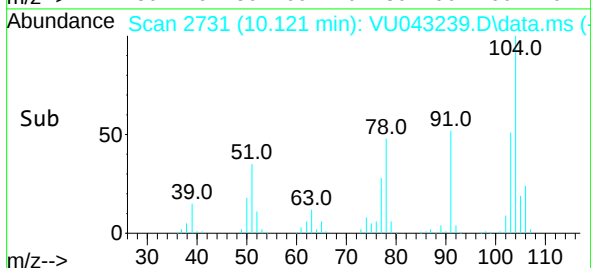
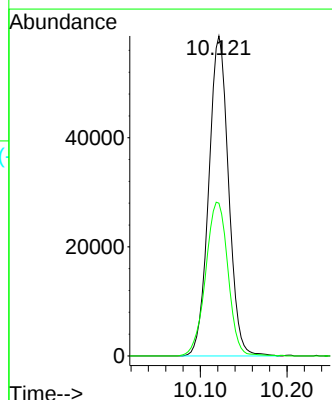
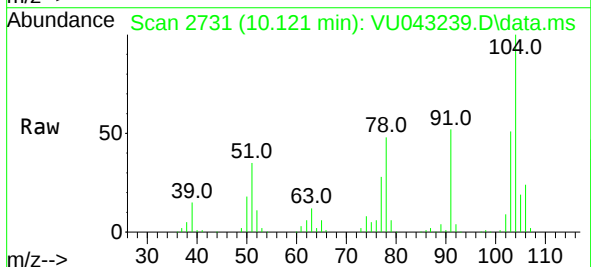
Instrument :  
MSVOA\_U  
ClientSampleId :

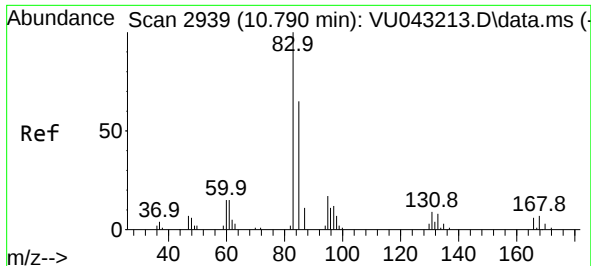
Tgt Ion:106 Resp: 51197  
Ion Ratio Lower Upper  
106 100  
91 237.2 148.5 275.9



#55  
Styrene  
Concen: 4.88 ug/L  
RT: 10.121 min Scan# 2731  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion:104 Resp: 93334  
Ion Ratio Lower Upper  
104 100  
78 47.8 32.3 60.1

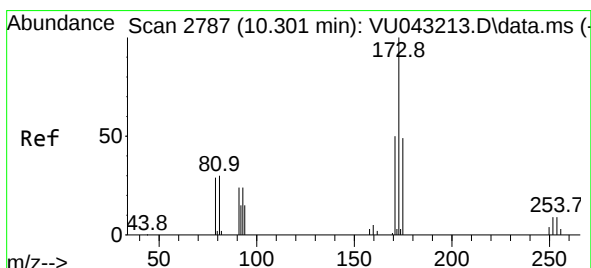
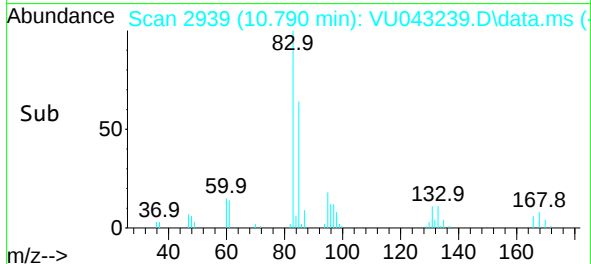
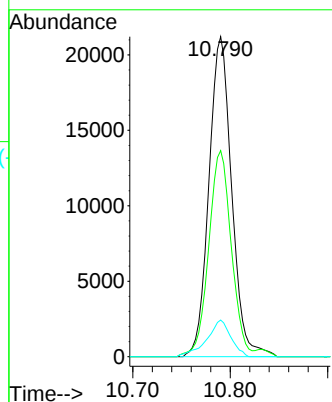
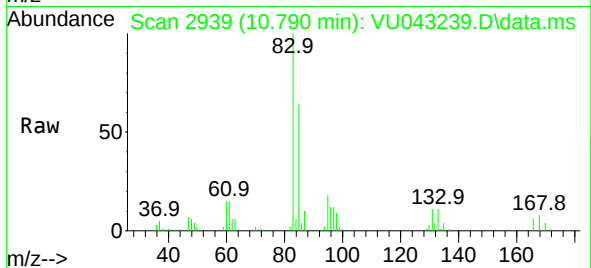




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.17 ug/L  
RT: 10.790 min Scan# 2939  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

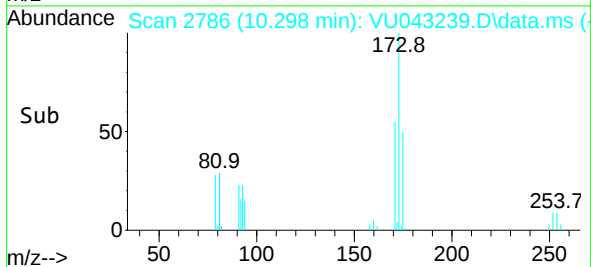
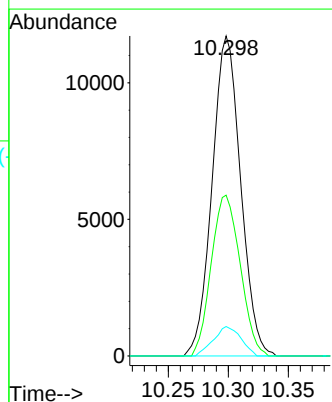
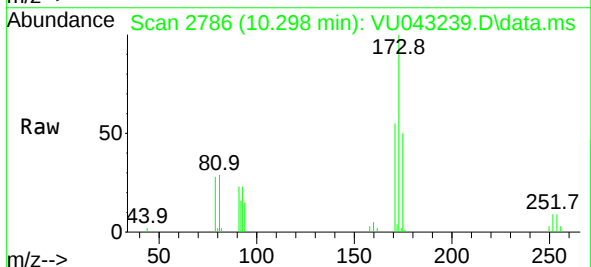
Instrument :  
MSVOA\_U  
ClientSampleId :

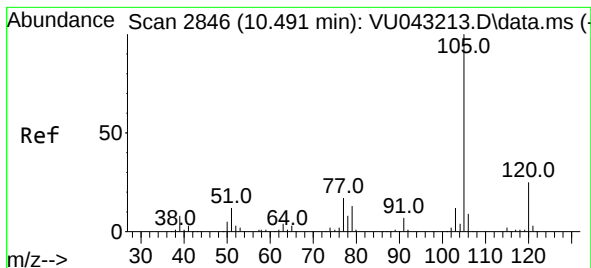
Tgt Ion: 83 Resp: 34416  
Ion Ratio Lower Upper  
83 100  
85 64.4 44.9 83.5  
131 11.4 8.2 12.4



#59  
Bromoform  
Concen: 4.93 ug/L  
RT: 10.298 min Scan# 2786  
Delta R.T. -0.003 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion:173 Resp: 19355  
Ion Ratio Lower Upper  
173 100  
175 50.9 39.4 59.0  
254 8.8 8.0 12.0





#60

Isopropylbenzene

Concen: 4.65 ug/L

RT: 10.491 min Scan# 2846

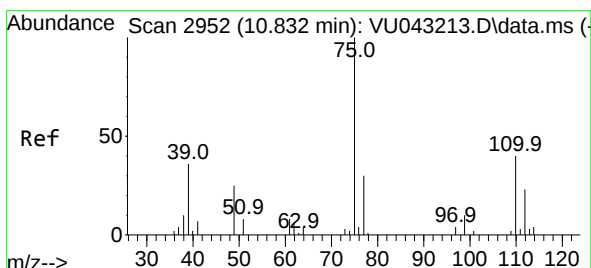
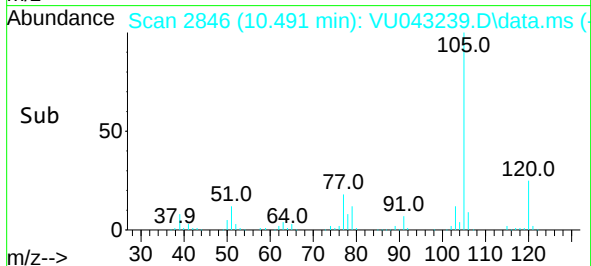
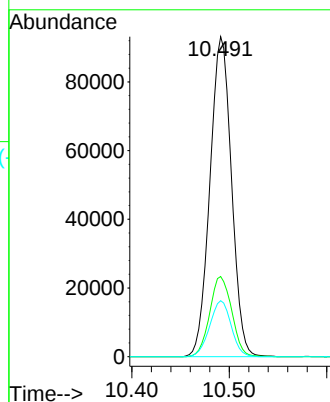
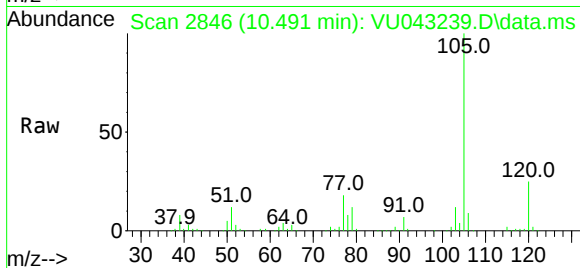
Delta R.T. 0.000 min

Lab File: VU043239.D

Acq: 21 Apr 2021 09:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 143109 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 25.6  | 20.9  | 31.3   |
| 77        | 17.5  | 11.8  | 17.8   |

Instrument :  
MSVOA\_U  
ClientSampled :



#61

1,2,3-Trichloropropane

Concen: 5.06 ug/L

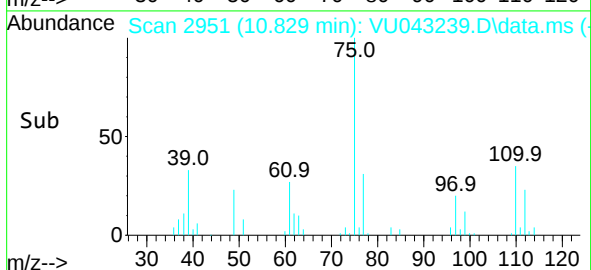
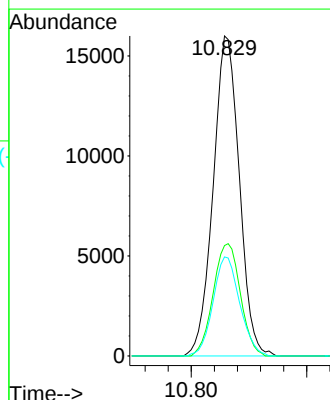
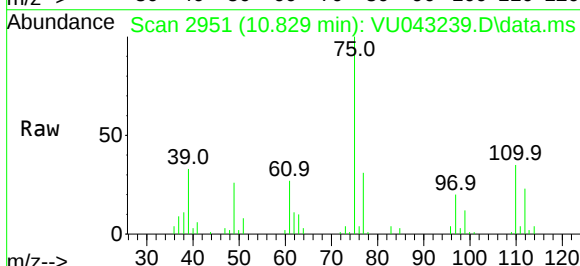
RT: 10.829 min Scan# 2951

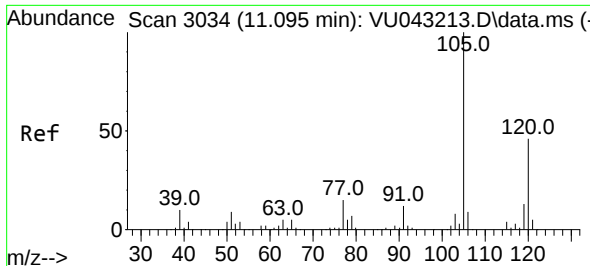
Delta R.T. -0.003 min

Lab File: VU043239.D

Acq: 21 Apr 2021 09:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 25107 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 36.4  | 31.5  | 47.3  |
| 77        | 31.6  | 26.3  | 39.5  |

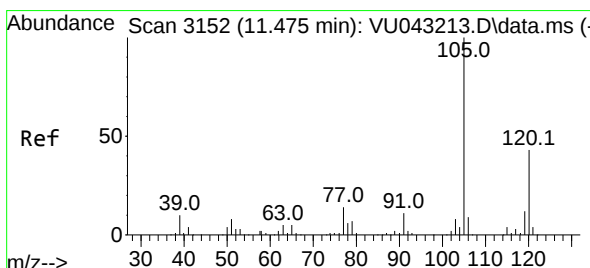
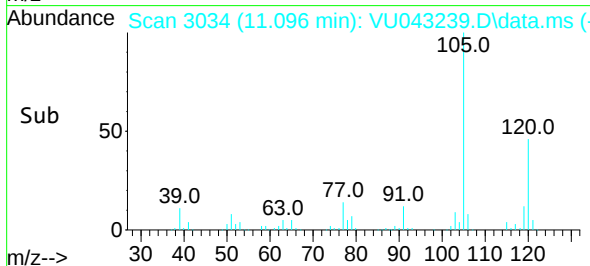
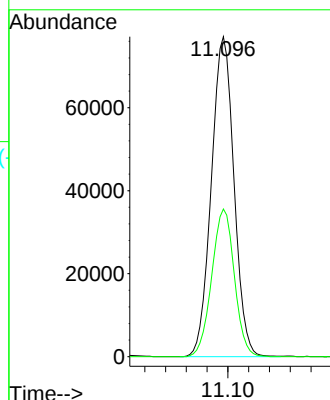
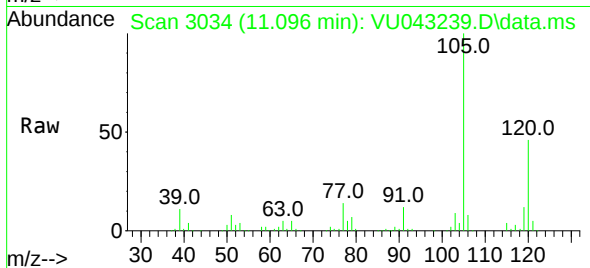




#62  
1,3,5-Trimethylbenzene  
Concen: 4.63 ug/L  
RT: 11.096 min Scan# 3034  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

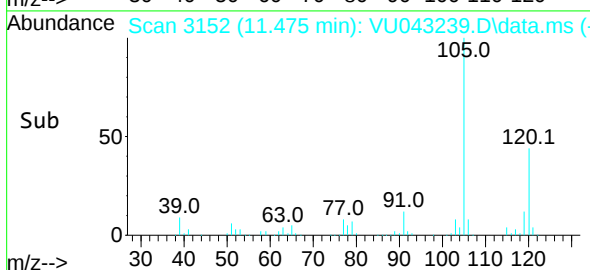
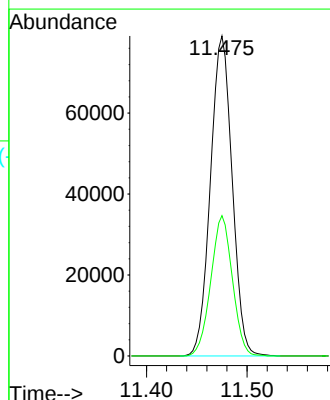
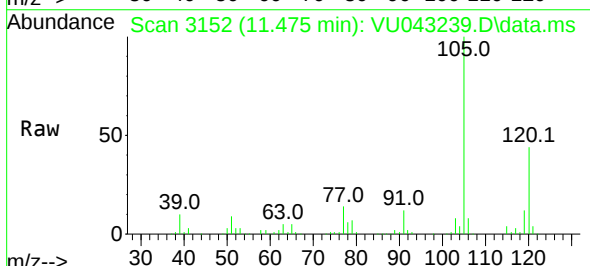
Instrument :  
MSVOA\_U  
ClientSampleId :

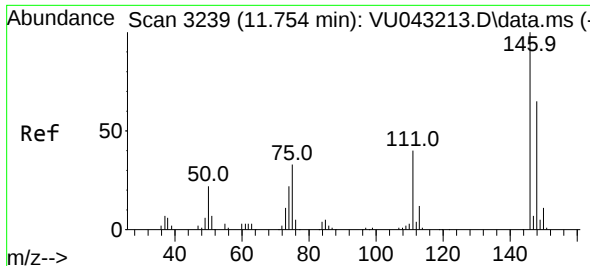
Tgt Ion:105 Resp: 116578  
Ion Ratio Lower Upper  
105 100  
120 46.0 39.5 59.3



#63  
1,2,4-Trimethylbenzene  
Concen: 4.58 ug/L  
RT: 11.475 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion:105 Resp: 118678  
Ion Ratio Lower Upper  
105 100  
120 43.4 36.7 55.1

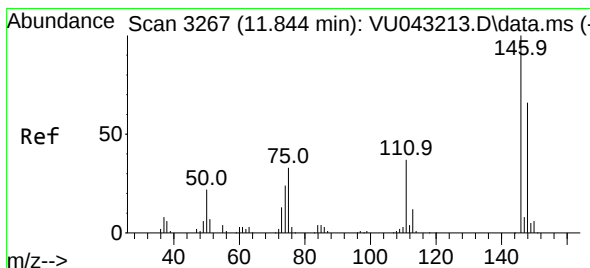
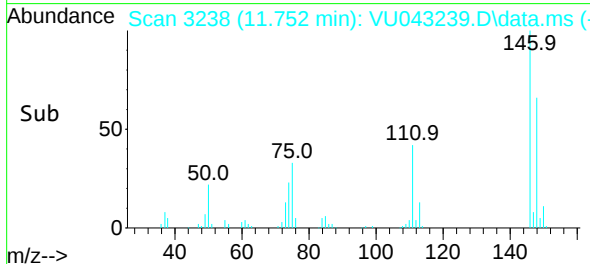
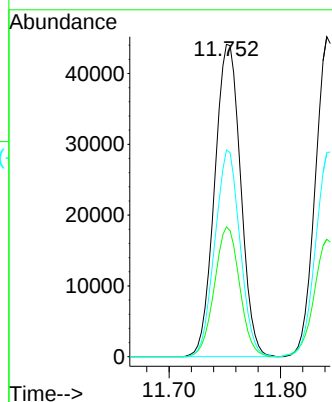
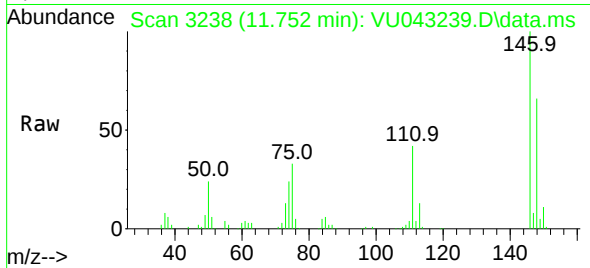




#64  
1,3-Dichlorobenzene  
Concen: 4.90 ug/L  
RT: 11.752 min Scan# 3238  
Delta R.T. -0.003 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

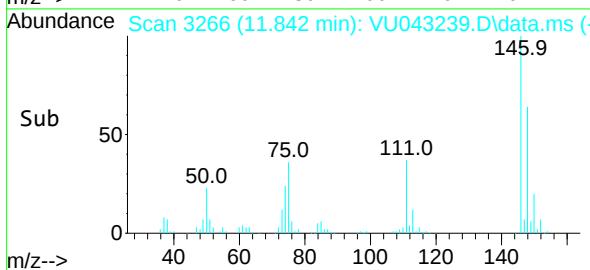
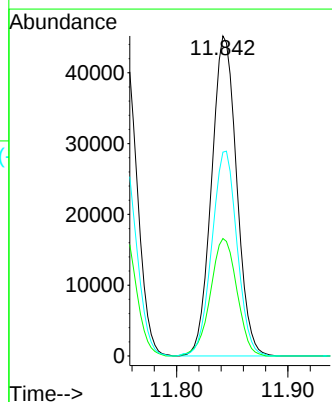
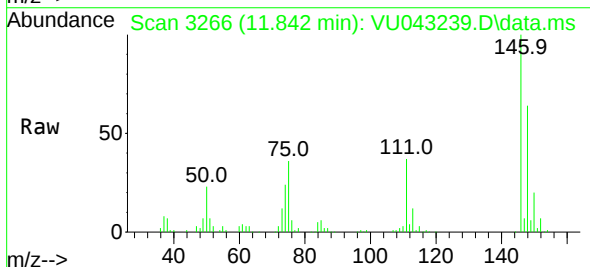
Instrument :  
MSVOA\_U  
ClientSampleId :

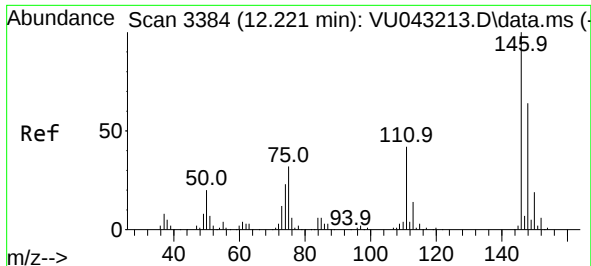
Tgt Ion:146 Resp: 71604  
Ion Ratio Lower Upper  
146 100  
111 41.5 27.6 51.2  
148 66.2 44.9 83.3



#65  
1,4-Dichlorobenzene  
Concen: 4.78 ug/L  
RT: 11.842 min Scan# 3266  
Delta R.T. -0.003 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion:146 Resp: 70853  
Ion Ratio Lower Upper  
146 100  
111 36.7 26.7 49.5  
148 63.7 43.9 81.5

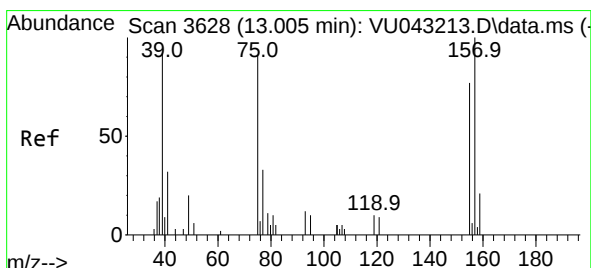
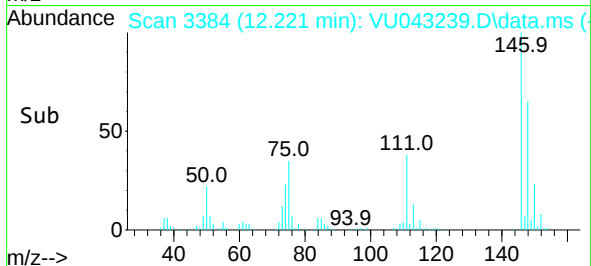
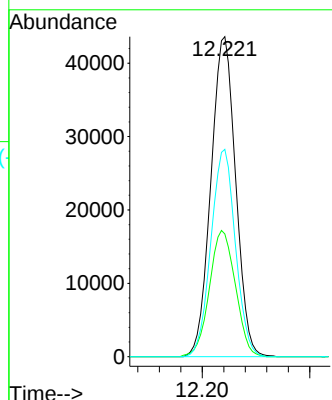
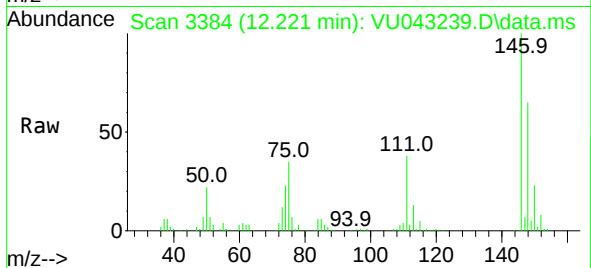




#67  
1,2-Dichlorobenzene  
Concen: 4.91 ug/L  
RT: 12.221 min Scan# 3384  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

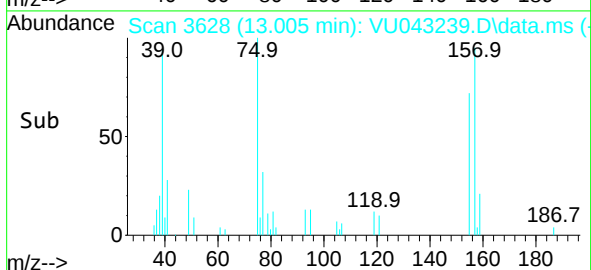
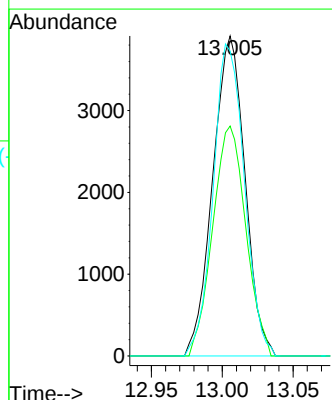
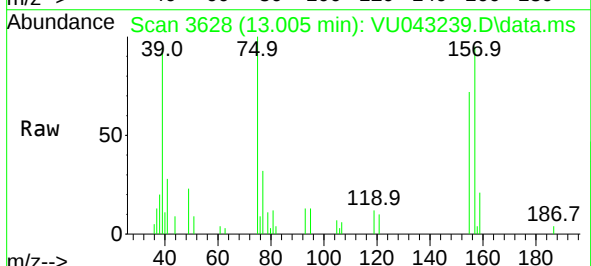
Instrument :  
MSVOA\_U  
ClientSampled :

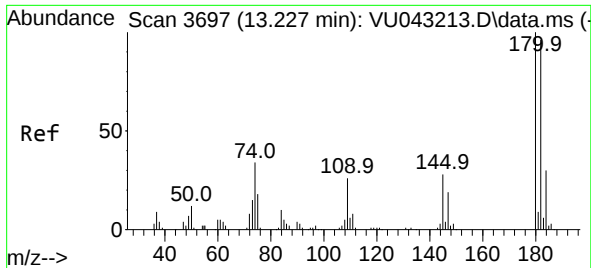
Tgt Ion:146 Resp: 69752  
Ion Ratio Lower Upper  
146 100  
111 38.4 31.9 47.9  
148 64.8 48.8 73.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.12 ug/L  
RT: 13.005 min Scan# 3628  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion: 75 Resp: 6184  
Ion Ratio Lower Upper  
75 100  
155 71.9 67.8 101.8  
157 95.3 82.4 123.6

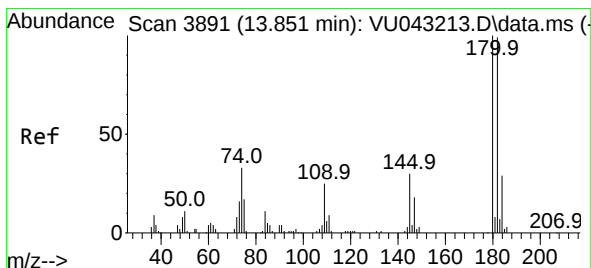
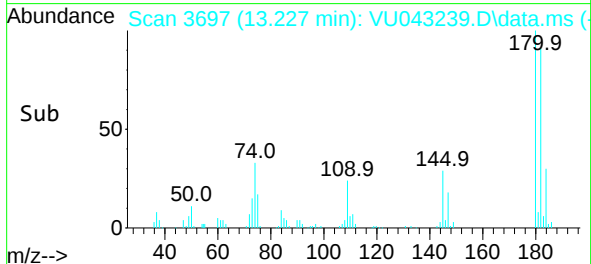
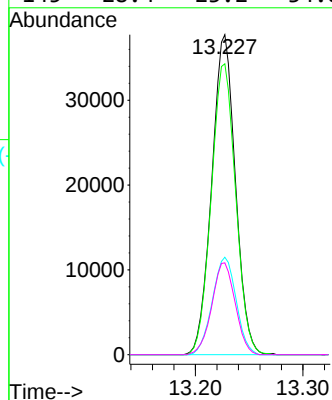
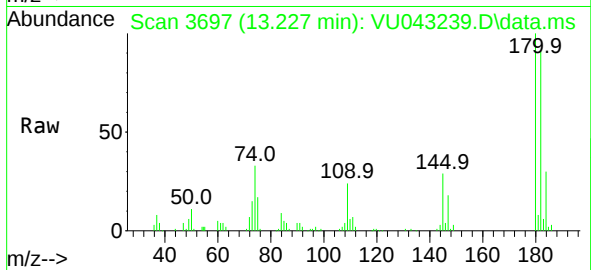




#69  
1,3,5-Trichlorobenzene  
Concen: 4.80 ug/L  
RT: 13.227 min Scan# 3697  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

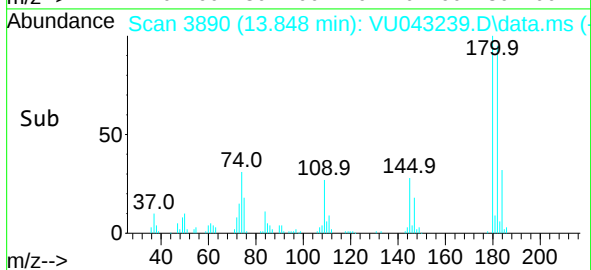
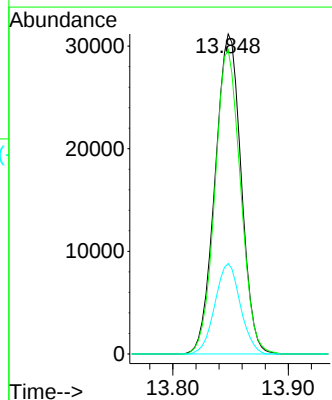
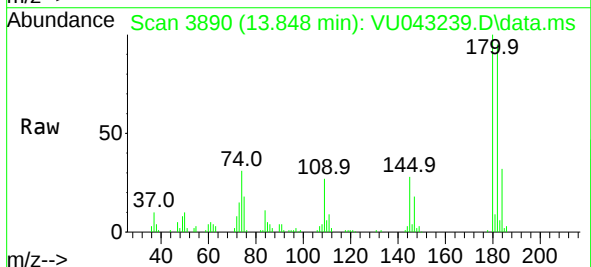
Instrument :  
MSVOA\_U  
ClientSampleId :

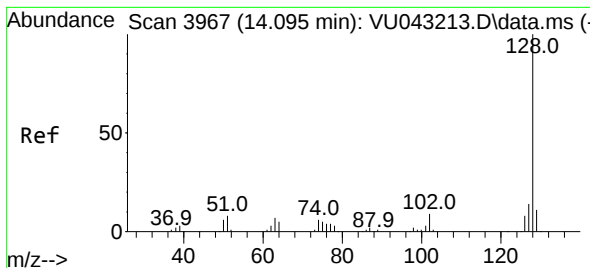
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 57575      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.7  | 76.1 114.1 |
| 184         | 30.7  | 24.0 36.0  |
| 145         | 28.4  | 23.2 34.8  |



#70  
1,2,4-trichlorobenzene  
Concen: 4.91 ug/L  
RT: 13.848 min Scan# 3890  
Delta R.T. -0.003 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 48810      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.4  | 76.5 114.7 |
| 145         | 27.5  | 24.1 36.1  |

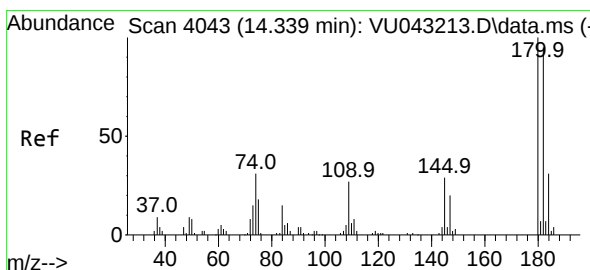
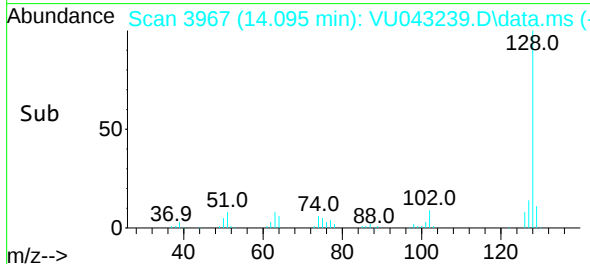
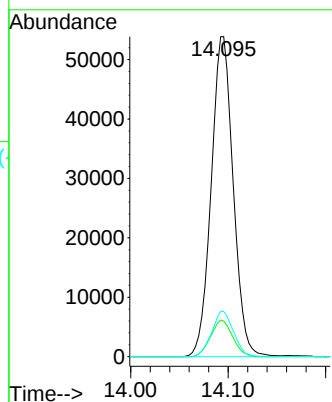
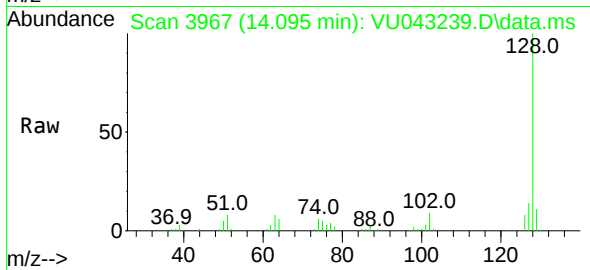




#71  
Naphthalene  
Concen: 5.05 ug/L  
RT: 14.095 min Scan# 3967  
Delta R.T. 0.000 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Instrument :  
MSVOA\_U  
ClientSampled :

Tgt Ion:128 Resp: 84523  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.6 12.8  
127 14.1 10.6 15.8



#72  
1,2,3-Trichlorobenzene  
Concen: 5.31 ug/L  
RT: 14.337 min Scan# 4042  
Delta R.T. -0.003 min  
Lab File: VU043239.D  
Acq: 21 Apr 2021 09:57

Tgt Ion:180 Resp: 48375  
Ion Ratio Lower Upper  
180 100  
182 93.3 75.8 113.8  
145 29.6 25.0 37.4

