

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122820\  
 Data File : VU041819.D  
 Acq On : 28 Dec 2020 10:10  
 Operator : SY/MD  
 Sample : VSTD0.534  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5342

Quant Time: Dec 29 00:34:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMUTR122820WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 29 00:34:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 166389   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 168110   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 79538    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.60  | 65  | 6415  | 0.53 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.92  | 69  | 5987  | 0.62 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.58  | 65  | 3256  | 0.56 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.66  | 46  | 18315 | 5.10 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.08  | 84  | 13045 | 0.52 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.71  | 65  | 7280  | 0.46 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.74  | 84  | 23073 | 0.54 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.70  | 67  | 7101  | 0.53 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.90  | 98  | 20853 | 0.52 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.18  | 79  | 2652  | 0.40 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.64  | 63  | 13992 | 5.11 | ug/L | 0.00 |
| 56) 1,1,2,2-Tetrachloroethane- | 10.75 | 84  | 7001  | 0.56 | ug/L | 0.00 |
| 66) 1,2-Dichlorobenzene-d4     | 12.19 | 152 | 6883  | 0.48 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 7770  | 0.443 ug/L   | 100    |
| 3) Chloromethane               | 1.52 | 50  | 7503  | 0.550 ug/L   | 99     |
| 5) Vinyl chloride              | 1.61 | 62  | 8713  | 0.587 ug/L   | 92     |
| 6) Bromomethane                | 1.86 | 94  | 6140  | 0.688 ug/L   | 85     |
| 8) Chloroethane                | 1.94 | 64  | 5554  | 0.561 ug/L   | 93     |
| 9) Trichlorofluoromethane      | 2.15 | 101 | 12189 | 0.473 ug/L   | 96     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 6680  | 0.540 ug/L   | 97     |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 6684  | 0.621 ug/L   | 96     |
| 13) Acetone                    | 2.68 | 43  | 13642 | 5.151 ug/L   | 94     |
| 14) Carbon disulfide           | 2.80 | 76  | 22381 | 0.684 ug/L   | 97     |
| 15) Methyl Acetate             | 2.97 | 43  | 2945  | 0.527 ug/L # | 65     |
| 16) Methylene chloride         | 3.06 | 84  | 11191 | 0.833 ug/L   | 99     |
| 17) Methyl tert-butyl Ether    | 3.38 | 73  | 15867 | 0.500 ug/L   | 99     |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 6162  | 0.553 ug/L   | 94     |
| 19) 1,1-Dichloroethane         | 3.89 | 63  | 12268 | 0.551 ug/L   | 97     |
| 21) 2-Butanone                 | 4.74 | 43  | 18530 | 4.979 ug/L # | 65     |
| 22) cis-1,2-Dichloroethene     | 4.68 | 96  | 6973  | 0.583 ug/L   | 95     |
| 23) Bromochloromethane         | 4.99 | 128 | 3237  | 0.544 ug/L   | 92     |
| 25) Chloroform                 | 5.10 | 83  | 12232 | 0.489 ug/L   | 94     |
| 27) 1,2-Dichloroethane         | 5.81 | 62  | 7412  | 0.406 ug/L   | 95     |
| 29) 1,1,1-Trichloroethane      | 5.33 | 97  | 10824 | 0.471 ug/L   | 99     |
| 30) Cyclohexane                | 5.40 | 56  | 8960  | 0.521 ug/L   | 95     |
| 31) Carbon tetrachloride       | 5.54 | 117 | 8965  | 0.432 ug/L   | 99     |
| 33) Benzene                    | 5.78 | 78  | 23523 | 0.493 ug/L   | 100    |
| 34) Trichloroethene            | 6.55 | 95  | 6198  | 0.475 ug/L   | 94     |
| 35) Methylcyclohexane          | 6.77 | 83  | 8751  | 0.474 ug/L   | 96     |
| 37) 1,2-Dichloropropane        | 6.80 | 63  | 5806  | 0.477 ug/L # | 92     |
| 38) Bromodichloromethane       | 7.11 | 83  | 7614  | 0.413 ug/L # | 98     |
| 39) cis-1,3-Dichloropropene    | 7.61 | 75  | 8104  | 0.432 ug/L   | 99     |
| 40) 4-Methyl-2-pentanone       | 7.80 | 43  | 33834 | 3.909 ug/L   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122820\  
 Data File : VU041819.D  
 Acq On : 28 Dec 2020 10:10  
 Operator : SY/MD  
 Sample : VSTD0.534  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

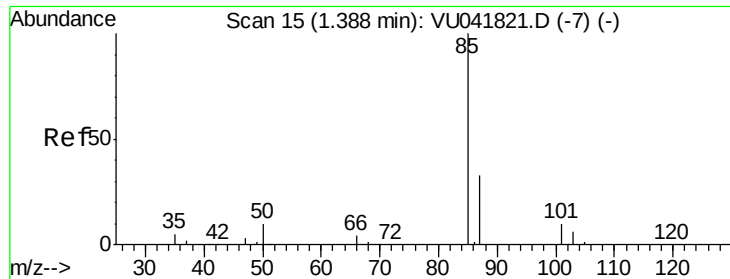
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5342

Quant Time: Dec 29 00:34:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMUTR122820WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 29 00:34:05 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 7.97  | 91   | 23348    | 0.455 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 8.21  | 75   | 7801     | 0.429 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane      | 8.40  | 97   | 4984     | 0.517 | ug/L   | 95       |
| 47) Tetrachloroethene          | 8.56  | 164  | 4964     | 0.507 | ug/L   | 87       |
| 48) 2-Hexanone                 | 8.69  | 43   | 24667    | 3.792 | ug/L   | 94       |
| 49) Dibromochloromethane       | 8.81  | 129  | 5827     | 0.456 | ug/L   | 93       |
| 50) 1,2-Dibromoethane          | 8.92  | 107  | 4825     | 0.513 | ug/L # | 82       |
| 51) Chlorobenzene              | 9.45  | 112  | 16578    | 0.497 | ug/L   | 96       |
| 52) Ethylbenzene               | 9.57  | 91   | 23663    | 0.416 | ug/L   | 97       |
| 53) m,p-Xylene                 | 9.69  | 106  | 8955     | 0.431 | ug/L   | 90       |
| 54) o-Xylene                   | 10.10 | 106  | 8447     | 0.419 | ug/L   | 98       |
| 55) Styrene                    | 10.11 | 104  | 13995    | 0.397 | ug/L   | 88       |
| 57) 1,1,2,2-Tetrachloroethane  | 10.78 | 83   | 6975     | 0.556 | ug/L   | 87       |
| 59) Bromoform                  | 10.29 | 173  | 3652     | 0.564 | ug/L # | 90       |
| 60) Isopropylbenzene           | 10.48 | 105  | 22329    | 0.456 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane     | 10.82 | 75   | 4816     | 0.561 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene     | 11.09 | 105  | 16836    | 0.404 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene     | 11.46 | 105  | 15499    | 0.367 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene        | 11.74 | 146  | 10924    | 0.450 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene        | 11.83 | 146  | 12284    | 0.500 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene        | 12.21 | 146  | 11074    | 0.463 | ug/L   | 89       |
| 68) 1,2-Dibromo-3-chloropropan | 12.99 | 75   | 1040     | 0.459 | ug/L # | 88       |
| 69) 1,3,5-Trichlorobenzene     | 13.21 | 180  | 8280     | 0.450 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene     | 13.83 | 180  | 5031     | 0.334 | ug/L   | 99       |
| 71) Naphthalene                | 14.07 | 128  | 7068     | 0.282 | ug/L   | 94       |
| 72) 1,2,3-Trichlorobenzene     | 14.32 | 180  | 4568     | 0.336 | ug/L   | 85       |

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





#2

Dichlorodifluoromethane

Concen: 0.443 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

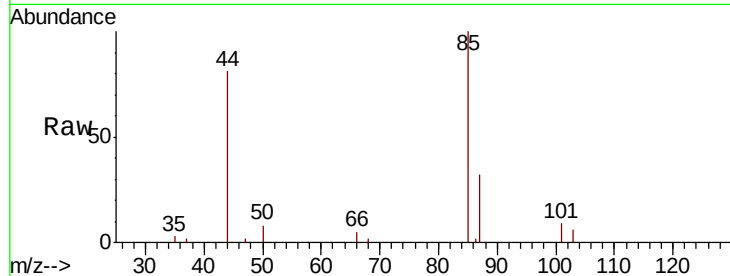
VSTD0.5342

Tot Ion: 85 Resp: 7770

Ion Ratio Lower Upper

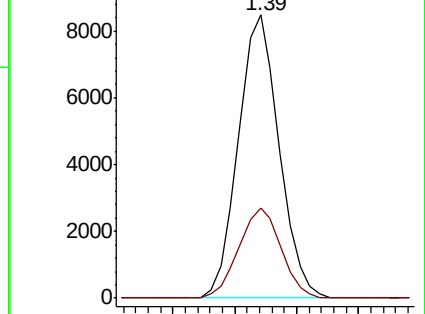
85 100

87 33.1 26.3 39.5

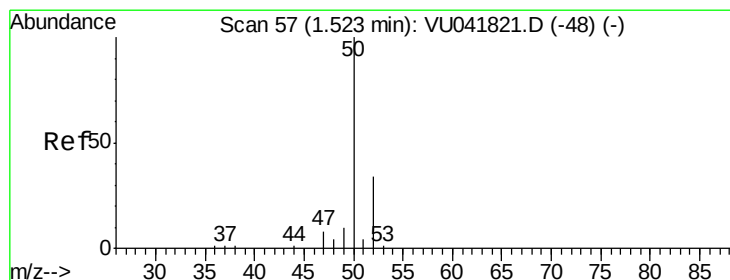
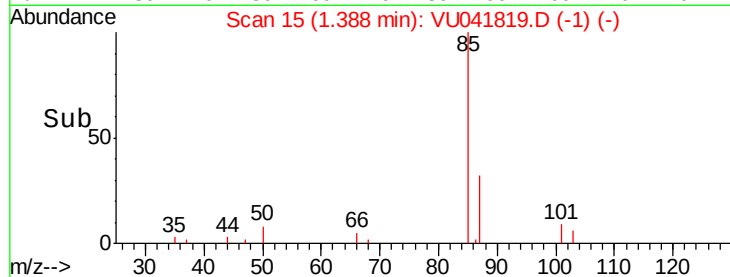


Abundance Ion 85.00 (84.70 to 85.70): VU041821.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041821.D (-7) (-)



Time-->



#3

Chloromethane

Concen: 0.550 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041819.D

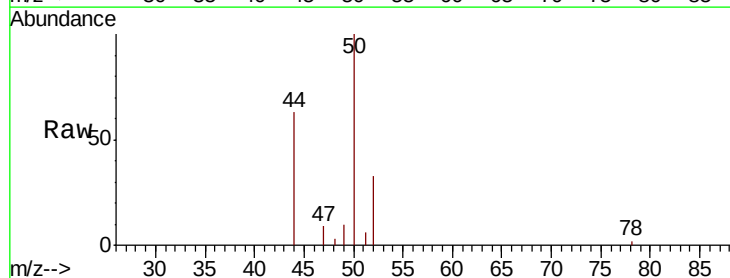
Acq: 28 Dec 2020 10:10

Tgt Ion: 50 Resp: 7503

Ion Ratio Lower Upper

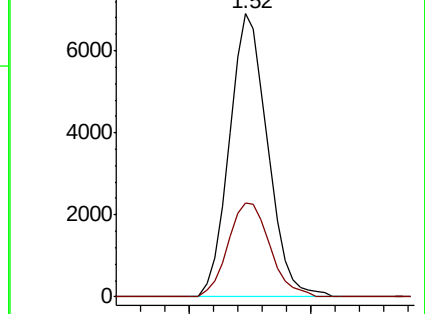
50 100

52 33.4 23.6 43.8

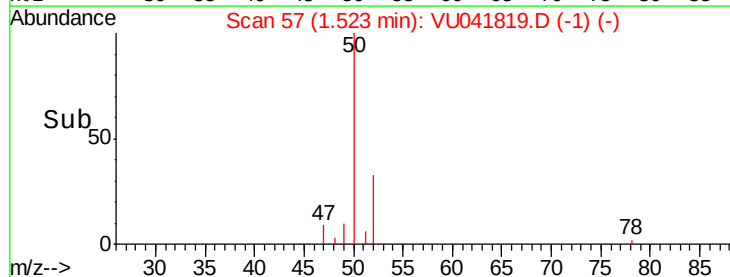


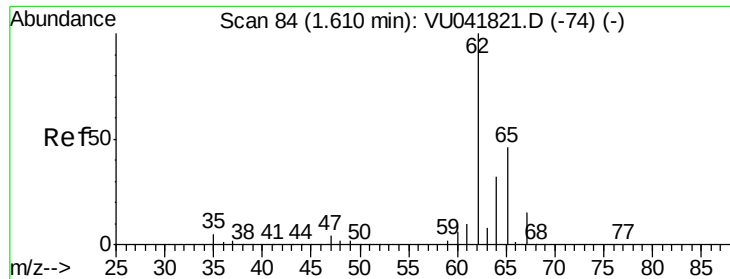
Abundance Ion 50.05 (49.75 to 50.75): VU041821.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041821.D (-48) (-)



Time-->





#5

Vinyl chloride

Concen: 0.587 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

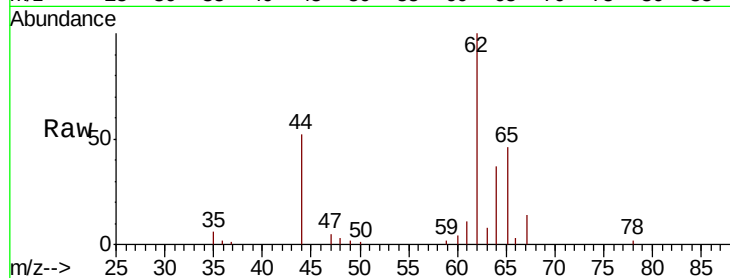
VSTD0.5342

Tot Ion: 62 Resp: 8713

Ion Ratio Lower Upper

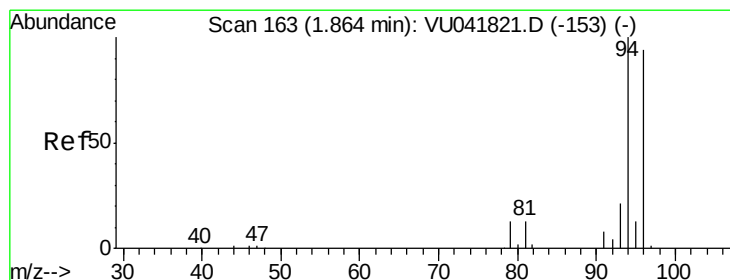
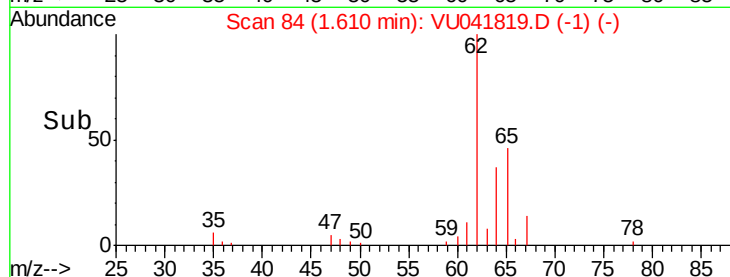
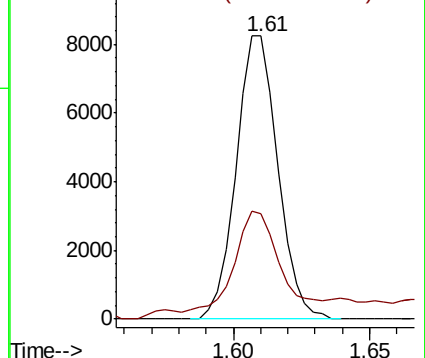
62 100

64 37.4 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.688 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041819.D

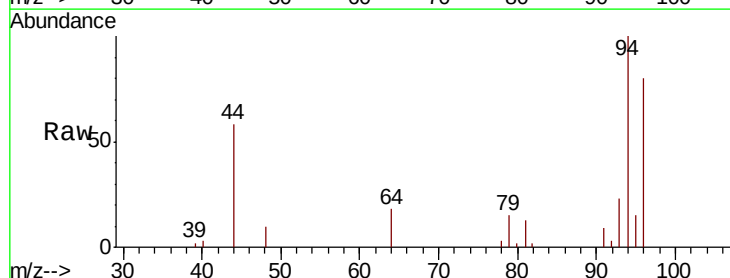
Acq: 28 Dec 2020 10:10

Tgt Ion: 94 Resp: 6140

Ion Ratio Lower Upper

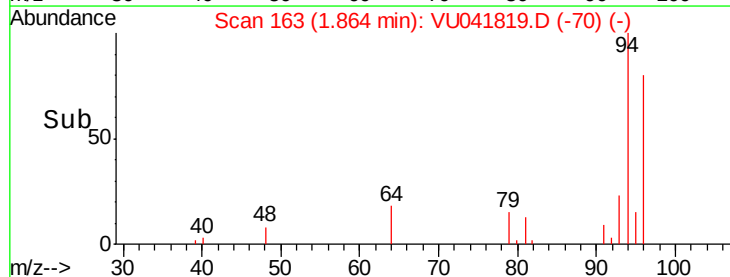
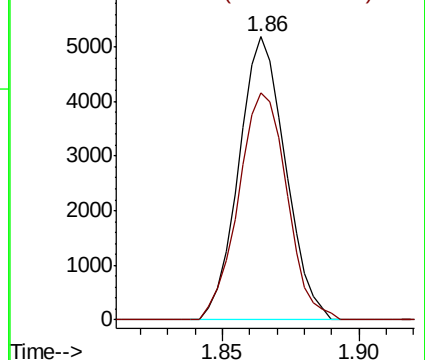
94 100

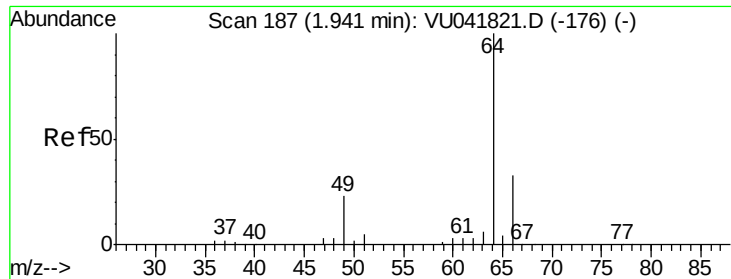
96 80.2 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

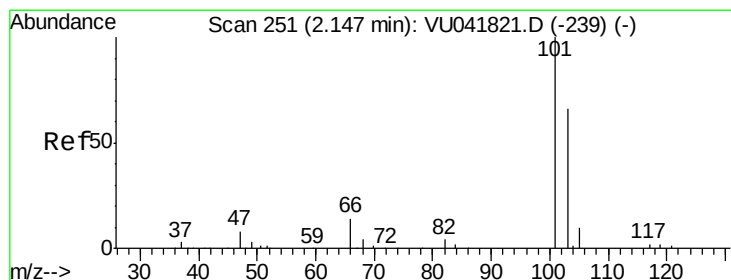
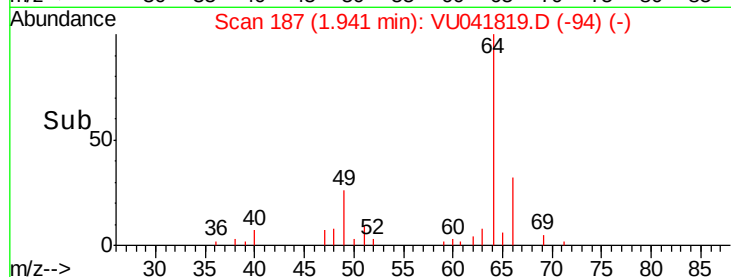
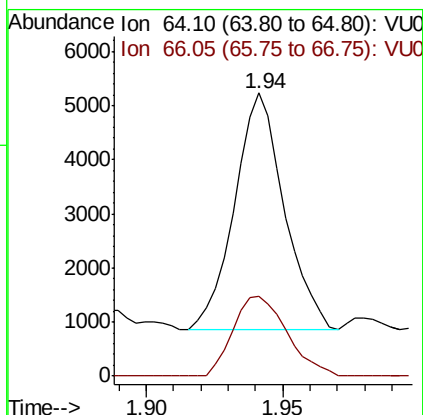
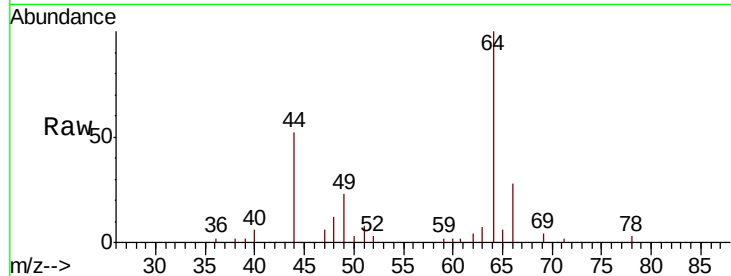




#8  
Chloroethane  
Concen: 0.561 ug/L  
RT: 1.94 min Scan# 187  
Delta R.T. 0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

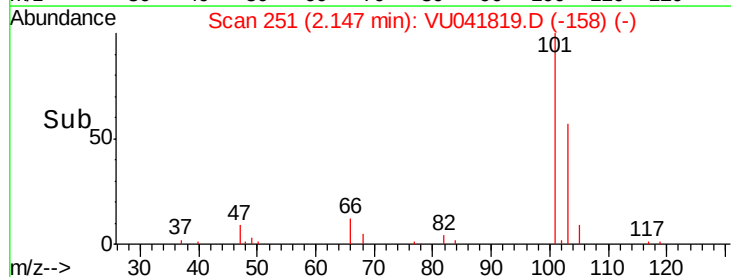
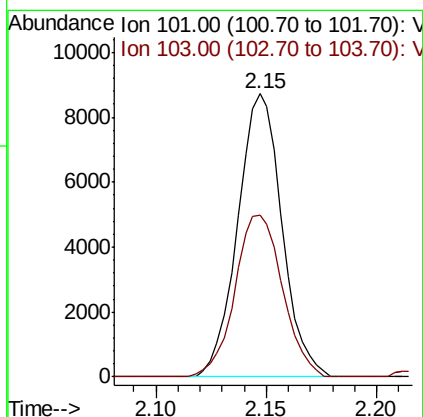
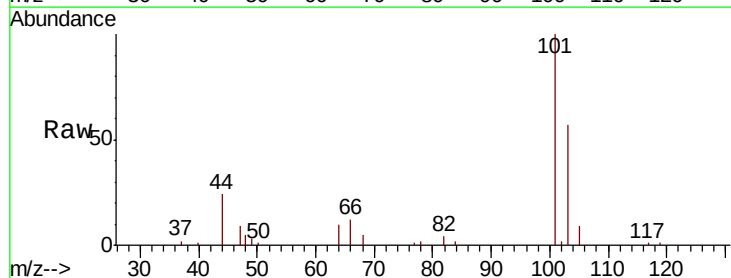
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5342

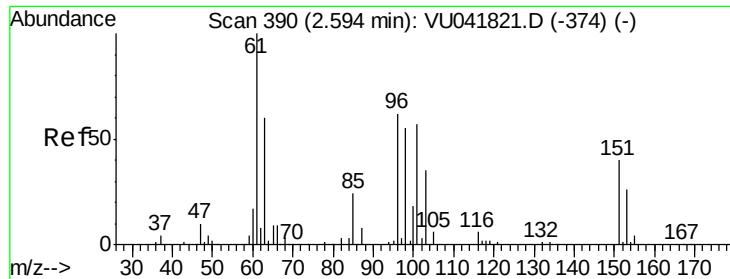
Tot Ion: 64 Resp: 5554  
Ion Ratio Lower Upper  
64 100  
66 28.2 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 0.473 ug/L  
RT: 2.15 min Scan# 251  
Delta R.T. 0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

Tgt Ion:101 Resp: 12189  
Ion Ratio Lower Upper  
101 100  
103 61.4 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.540 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5342

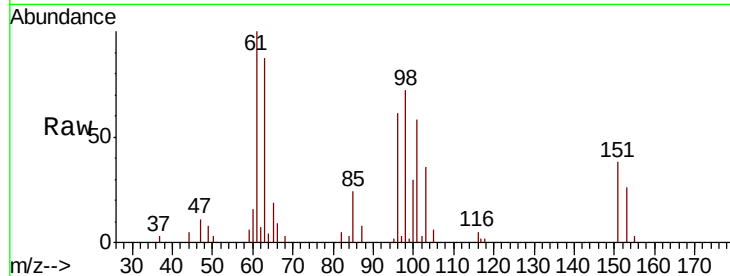
Tot Ion:101 Resp: 6680

Ion Ratio Lower Upper

101 100

85 46.8 34.5 51.7

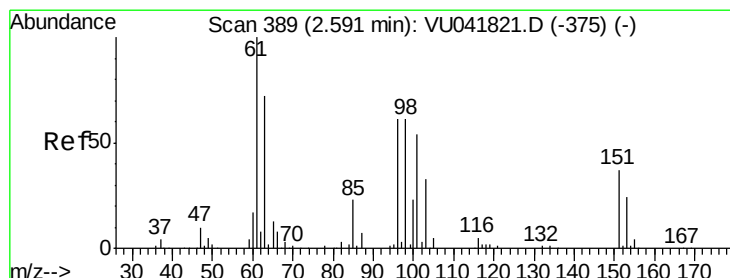
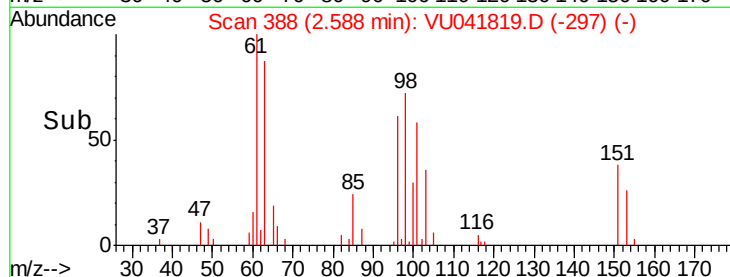
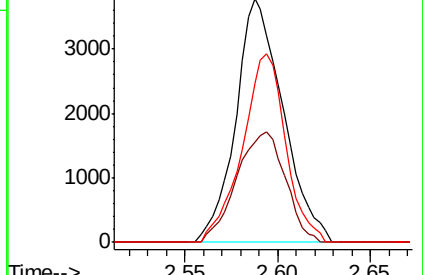
151 71.0 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.621 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

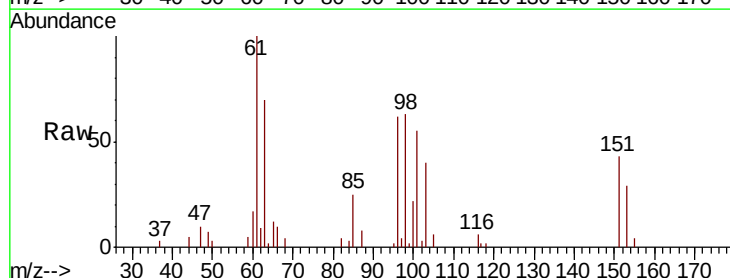
Tgt Ion: 96 Resp: 6684

Ion Ratio Lower Upper

96 100

61 161.0 115.1 213.7

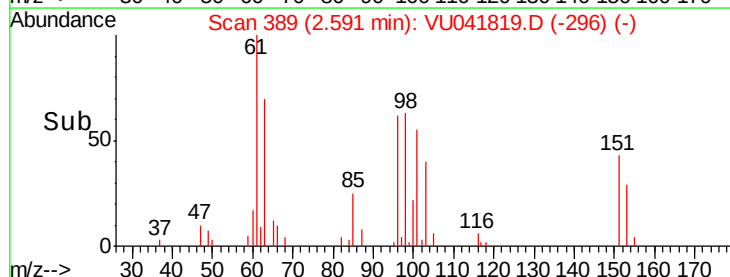
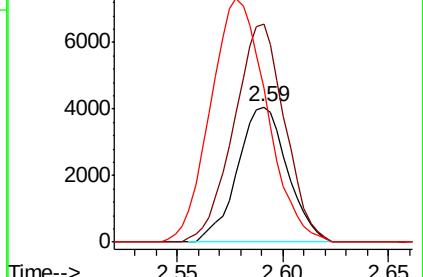
63 113.3 84.1 156.1

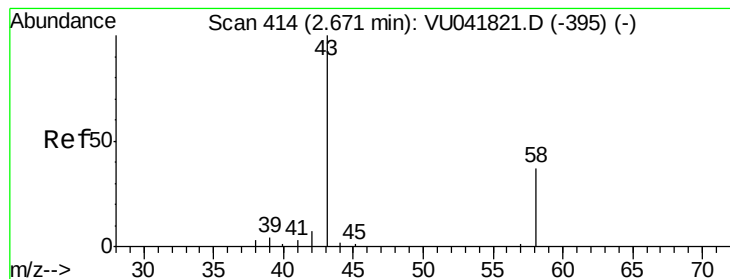


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.151 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

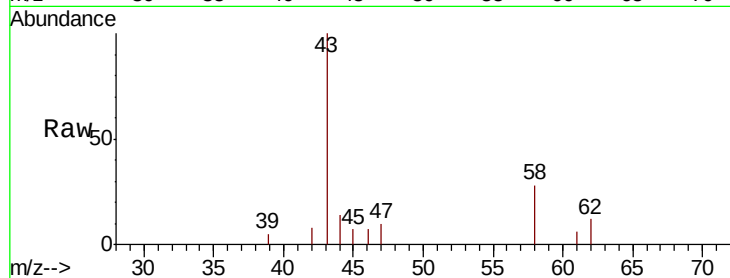
VSTD0.5342

Tot Ion: 43 Resp: 13642

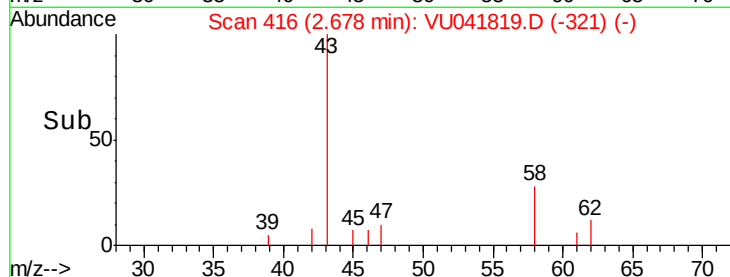
Ion Ratio Lower Upper

43 100

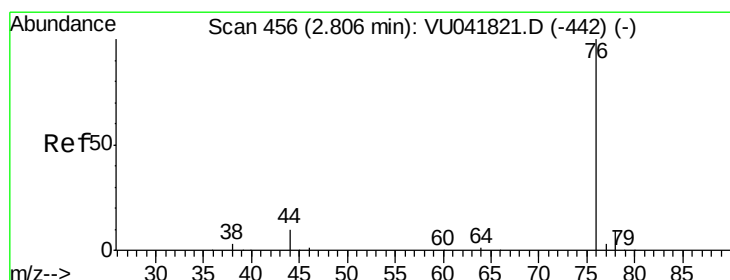
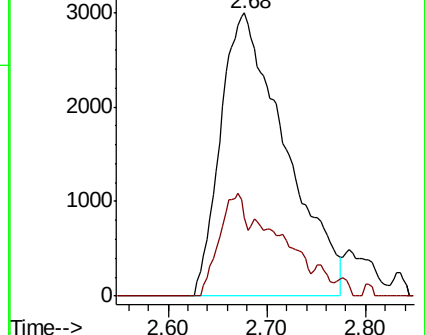
58 14.8 0.0 25.0



Abundance Ion 43.05 (42.75 to 43.75): VU041819.D (-321) (-)



Ion 58.05 (57.75 to 58.75): VU041819.D (-321) (-)



#14

Carbon disulfide

Concen: 0.684 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041819.D

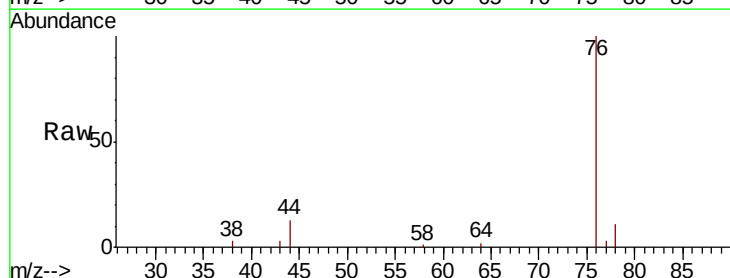
Acq: 28 Dec 2020 10:10

Tgt Ion: 76 Resp: 22381

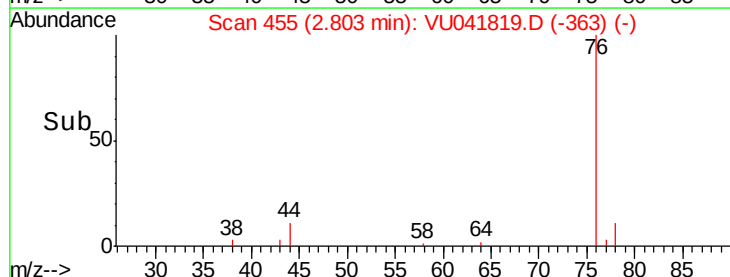
Ion Ratio Lower Upper

76 100

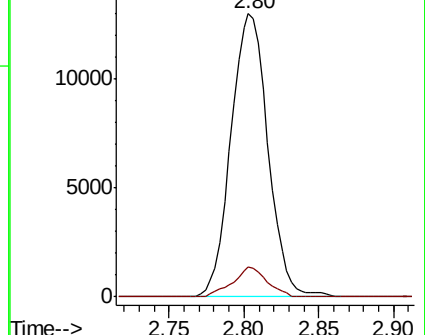
78 10.6 7.5 11.3



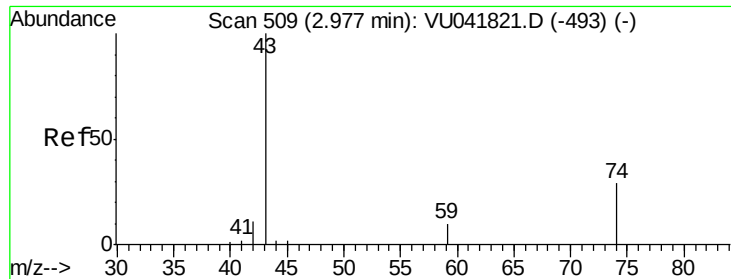
Abundance Ion 76.05 (75.75 to 76.75): VU041819.D (-363) (-)



Ion 78.00 (77.70 to 78.70): VU041819.D (-363) (-)



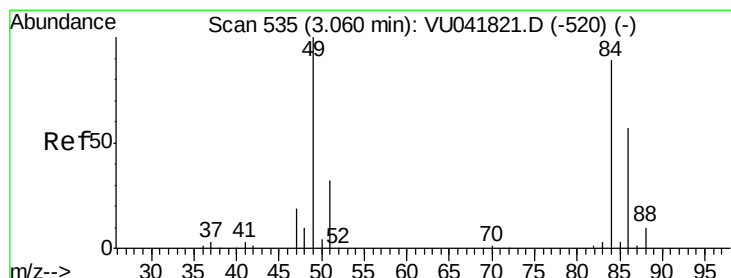
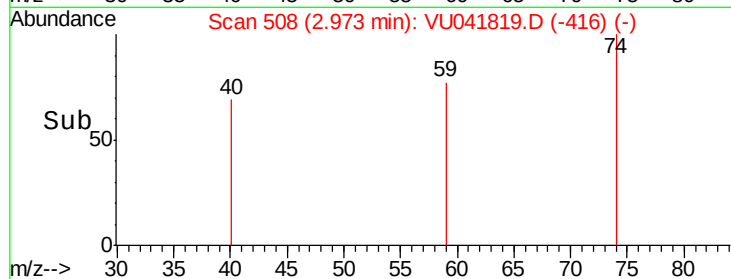
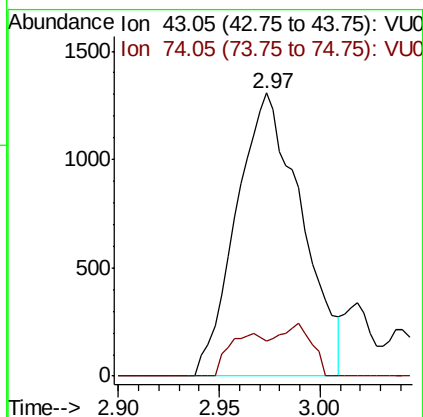
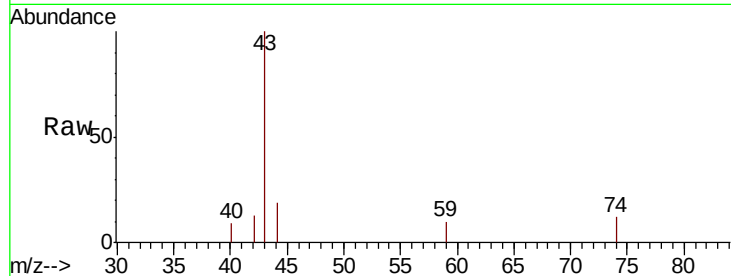




#15  
Methvl Acetate  
Concen: 0.527 ug/L  
RT: 2.97 min Scan# 508  
Delta R.T. -0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

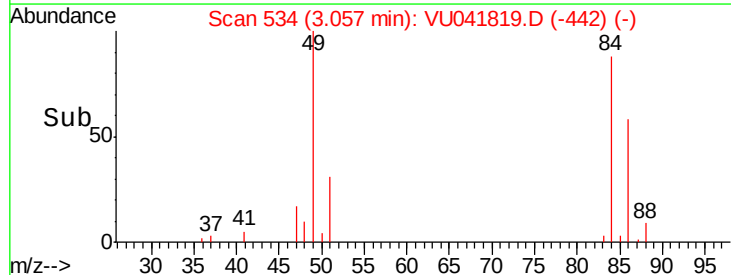
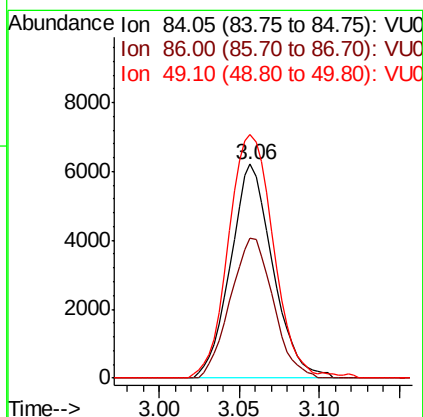
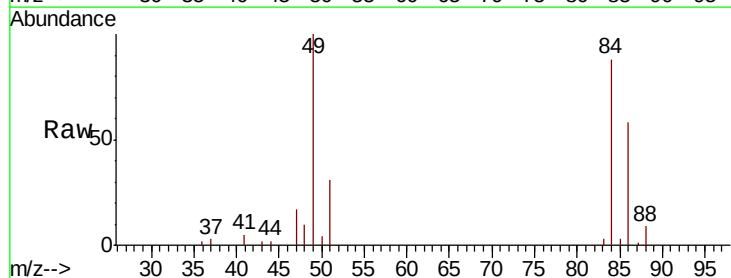
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5342

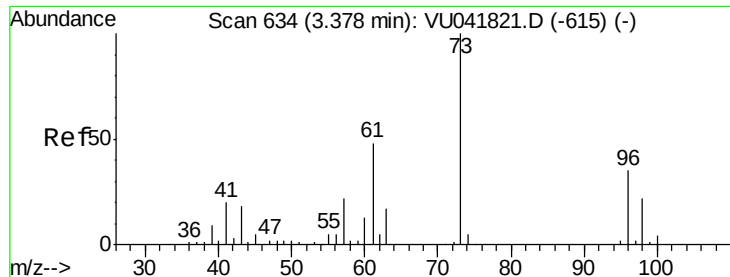
Tot Ion: 43 Resp: 2945  
Ion Ratio Lower Upper  
43 100  
74 8.6 21.5 32.3#



#16  
Methylene chloride  
Concen: 0.833 ug/L  
RT: 3.06 min Scan# 534  
Delta R.T. -0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

Tgt Ion: 84 Resp: 11191  
Ion Ratio Lower Upper  
84 100  
86 65.6 44.9 83.5  
49 113.8 79.0 146.8

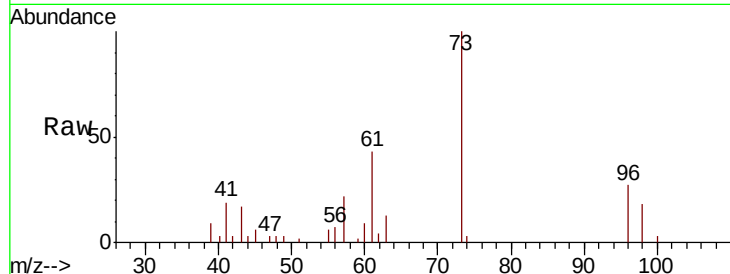




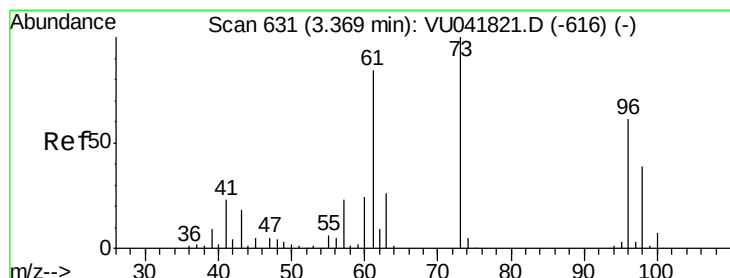
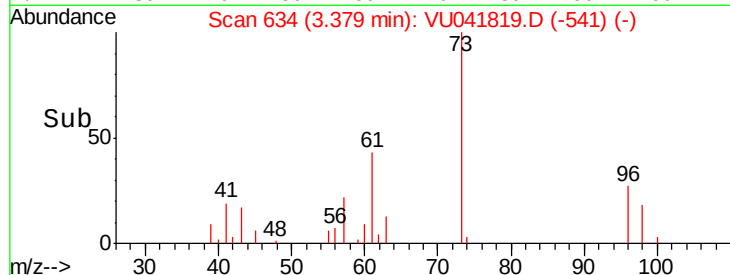
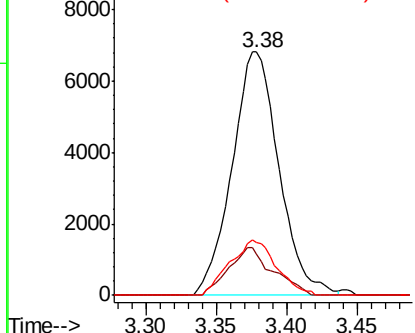
#17  
Methyl tert-butyl Ether  
Concen: 0.500 ug/L  
RT: 3.38 min Scan# 634  
Delta R.T. 0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5342

Tot Ion: 73 Resp: 15867  
Ion Ratio Lower Upper  
73 100  
43 18.5 15.0 22.4  
57 22.4 17.3 25.9

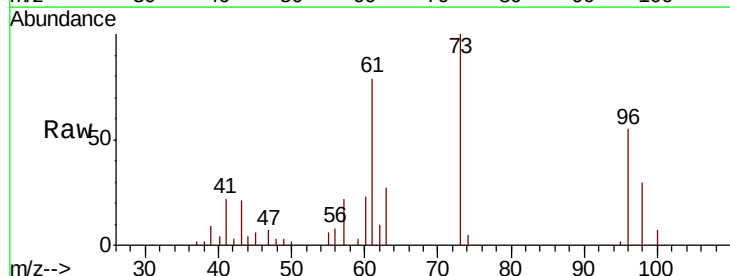


Abundance Ion 73.10 (72.80 to 73.80): VU0  
Ion 43.05 (42.75 to 43.75): VU0  
Ion 57.10 (56.80 to 57.80): VU0

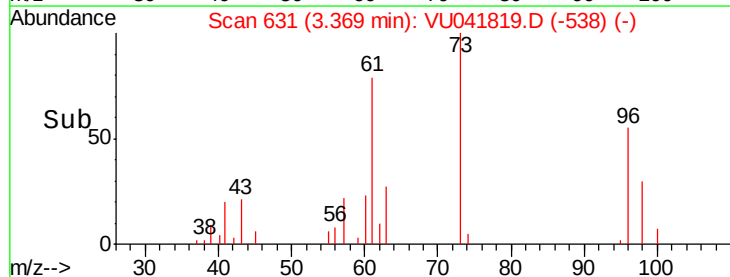
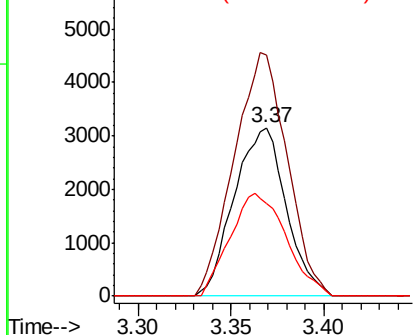


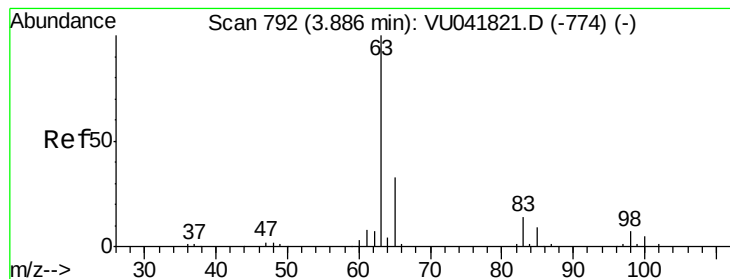
#18  
trans-1,2-Dichloroethene  
Concen: 0.553 ug/L  
RT: 3.37 min Scan# 631  
Delta R.T. 0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

Tgt Ion: 96 Resp: 6162  
Ion Ratio Lower Upper  
96 100  
61 143.0 96.6 179.4  
98 54.9 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.551 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5342

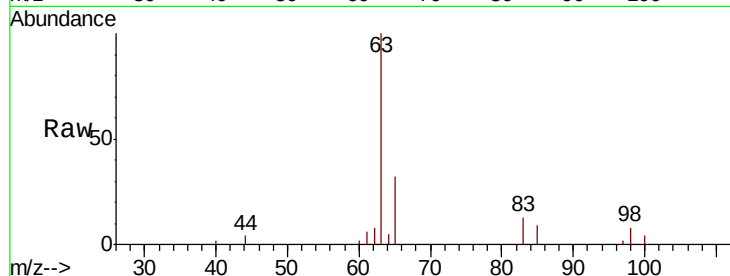
Tot Ion: 63 Resp: 12268

Ion Ratio Lower Upper

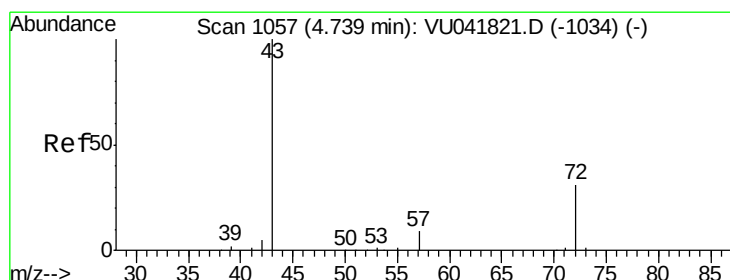
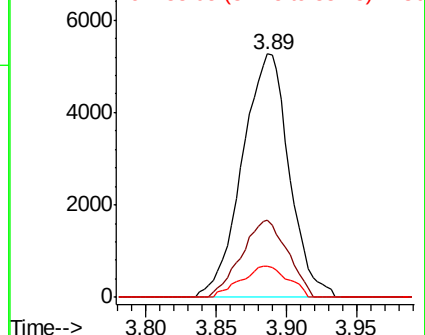
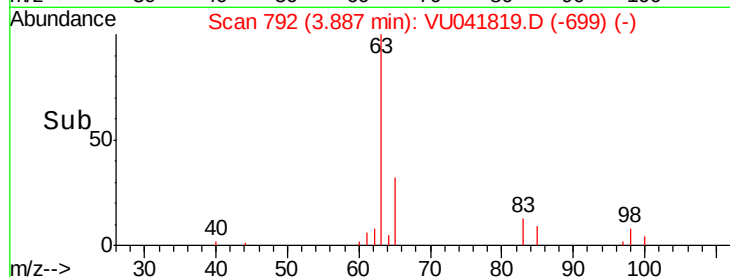
63 100

65 31.8 23.2 43.0

83 12.6 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VU041819.D (-699) (-)



#21

2-Butanone

Concen: 4.979 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU041819.D

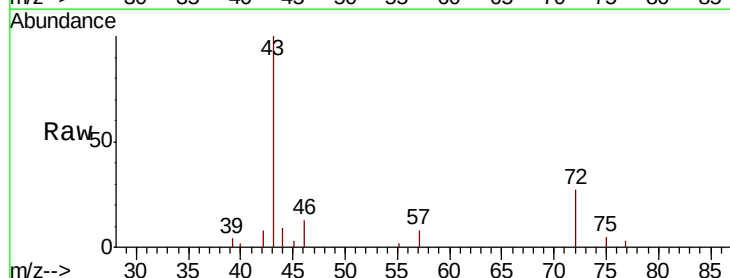
Acq: 28 Dec 2020 10:10

Tgt Ion: 43 Resp: 18530

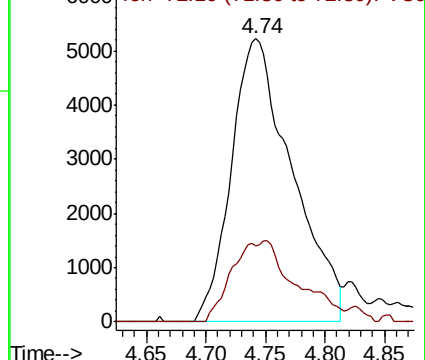
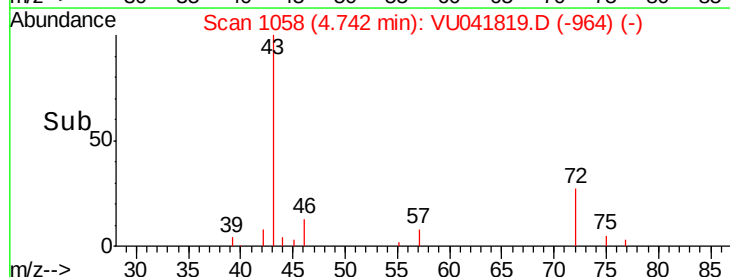
Ion Ratio Lower Upper

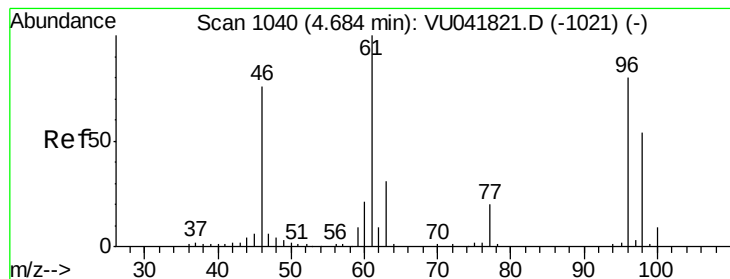
43 100

72 12.1 15.8 47.3#



Abundance Ion 43.05 (42.75 to 43.75): VU041819.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.583 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5342

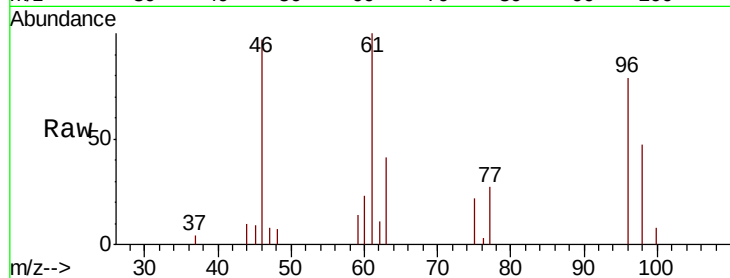
Tot Ion: 96 Resp: 6973

Ion Ratio Lower Upper

96 100

61 127.0 87.4 162.4

98 60.1 47.7 88.5

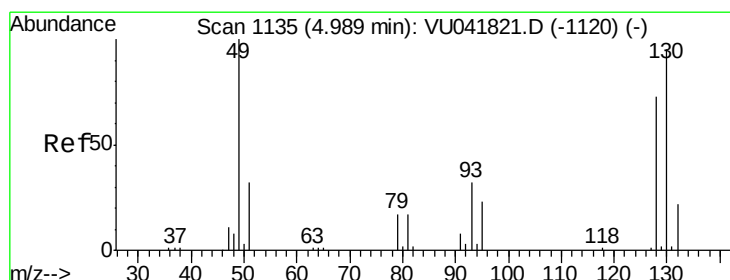
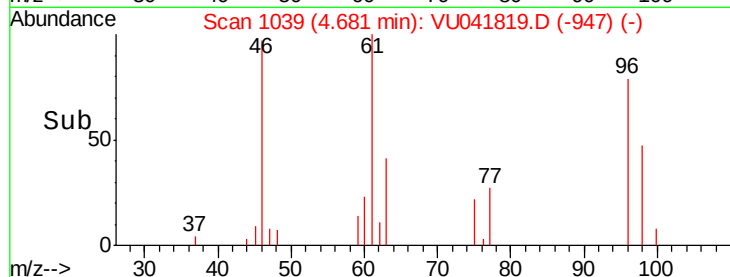
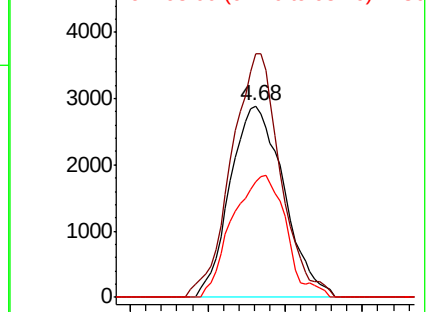


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 0.544 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Tgt Ion: 128 Resp: 3237

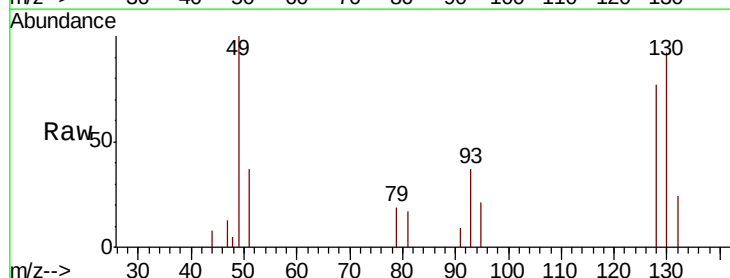
Ion Ratio Lower Upper

128 100

49 130.1 96.4 179.0

130 119.6 91.2 169.4

51 48.7 35.0 52.6



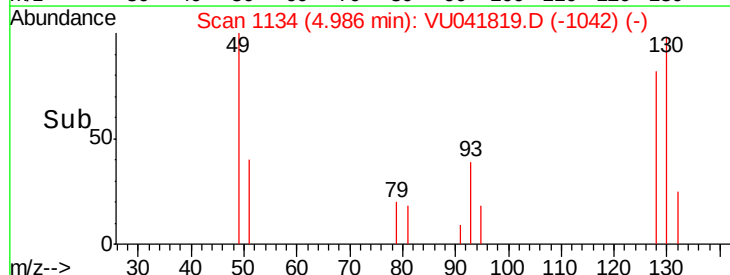
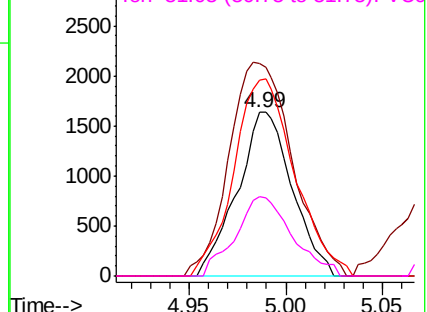
Abundance

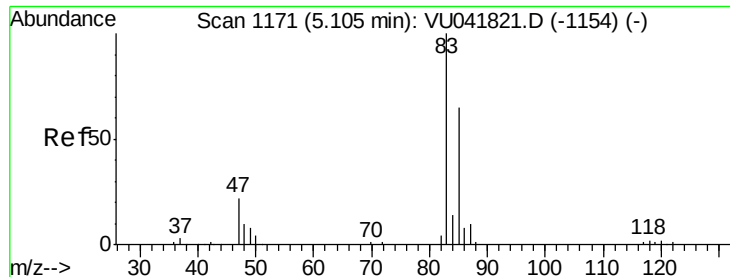
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

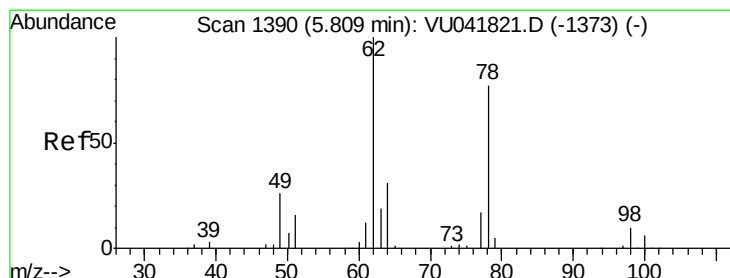
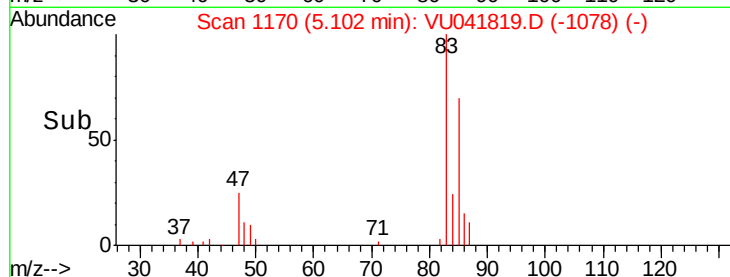
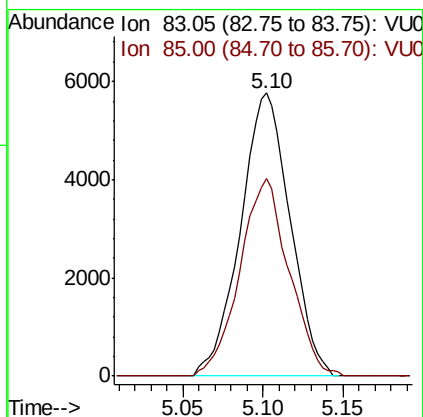
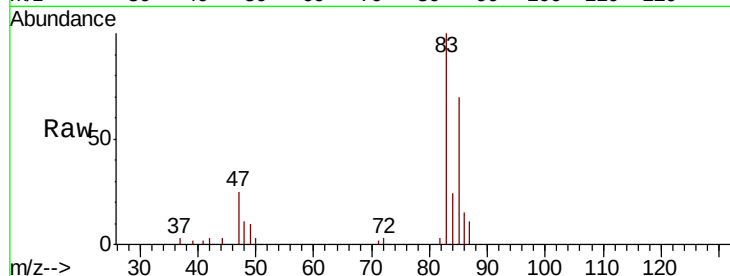




#25  
Chloroform  
Concen: 0.489 ug/L  
RT: 5.10 min Scan# 1170  
Delta R.T. -0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

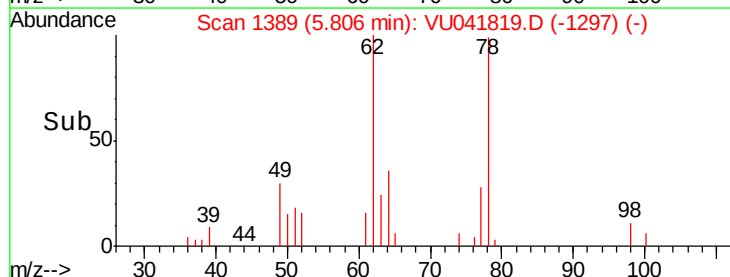
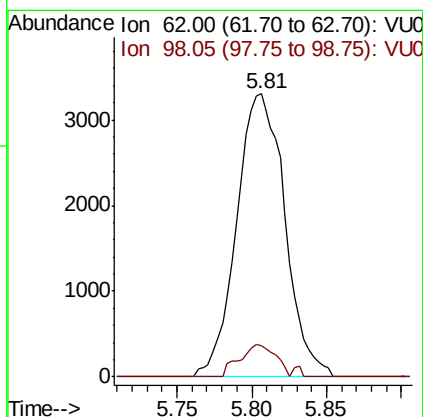
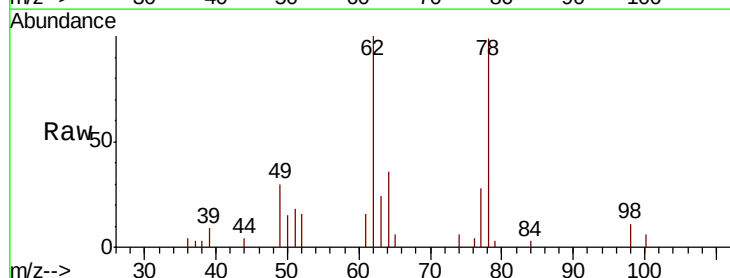
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5342

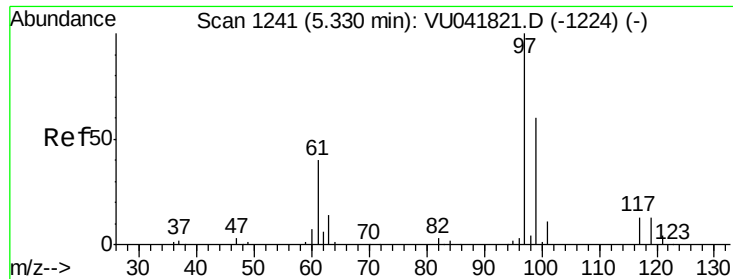
Tot Ion: 83 Resp: 12232  
Ion Ratio Lower Upper  
83 100  
85 69.9 45.6 84.8



#27  
1,2-Dichloroethane  
Concen: 0.406 ug/L  
RT: 5.81 min Scan# 1389  
Delta R.T. -0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

Tgt Ion: 62 Resp: 7412  
Ion Ratio Lower Upper  
62 100  
98 11.1 7.5 11.3

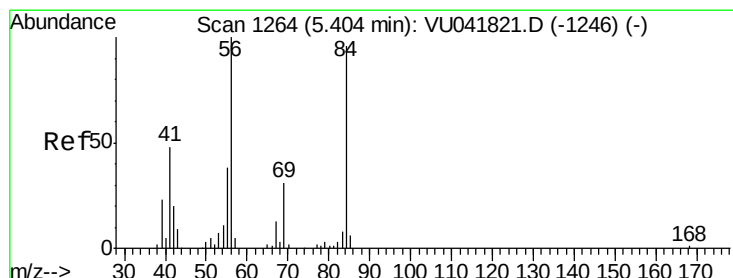
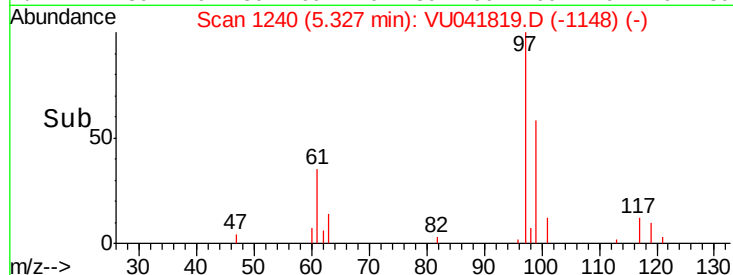
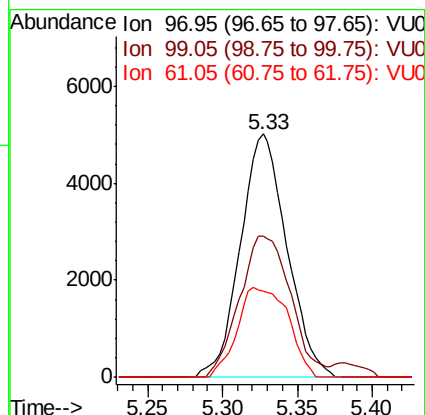
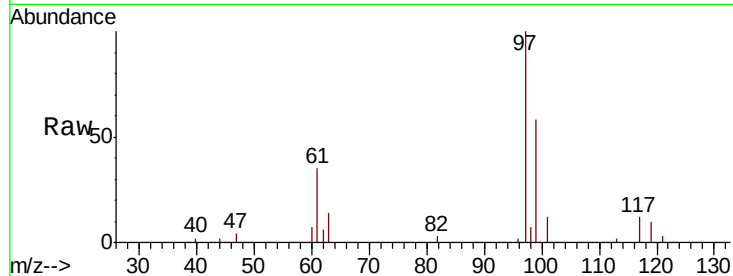




#29  
 1,1,1-Trichloroethane  
 Concen: 0.471 ug/L  
 RT: 5.33 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

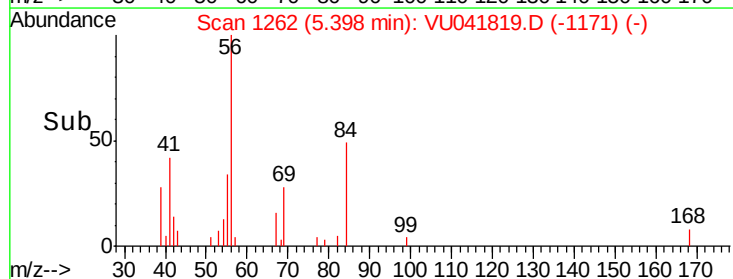
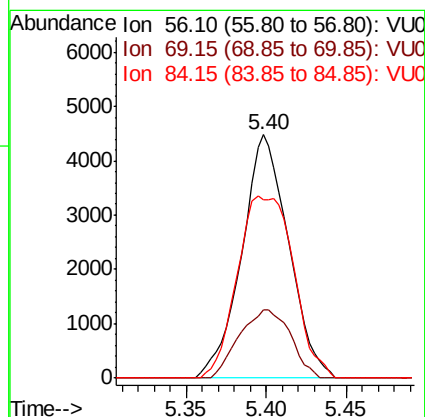
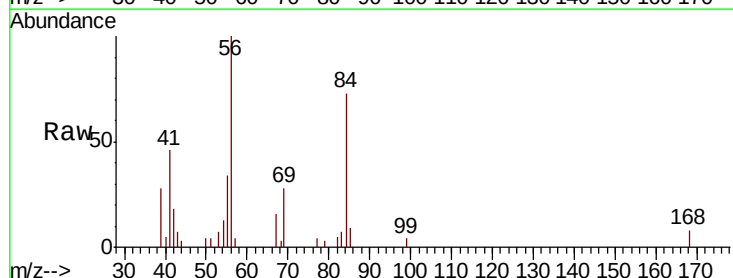
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5342

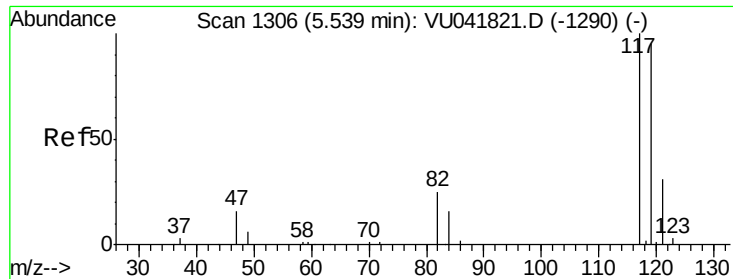
Tot Ion: 97 Resp: 10824  
 Ion Ratio Lower Upper  
 97 100  
 99 64.3 50.3 75.5  
 61 40.3 32.7 49.1



#30  
 Cyclohexane  
 Concen: 0.521 ug/L  
 RT: 5.40 min Scan# 1262  
 Delta R.T. -0.01 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

Tgt Ion: 56 Resp: 8960  
 Ion Ratio Lower Upper  
 56 100  
 69 30.7 25.2 37.8  
 84 89.8 76.2 114.4

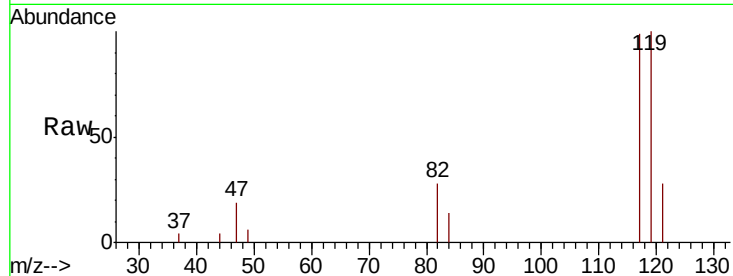




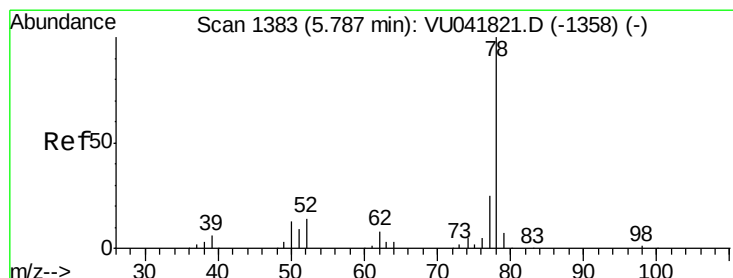
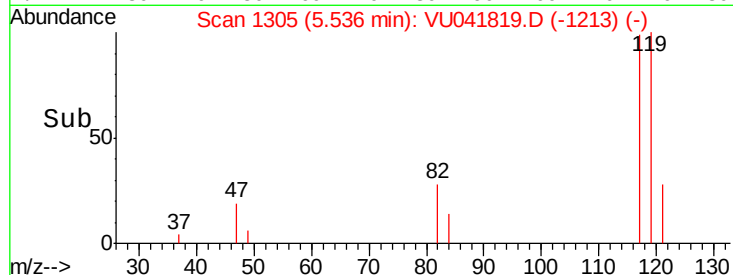
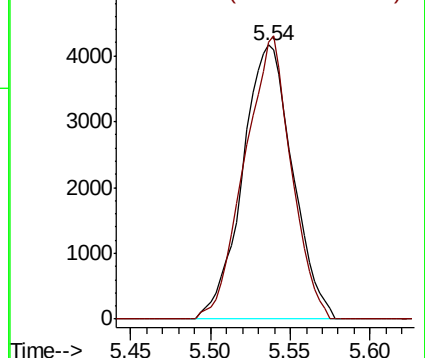
#31  
Carbon tetrachloride  
Concen: 0.432 ug/L  
RT: 5.54 min Scan# 1305  
Delta R.T. -0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5342

Tot Ion:117 Resp: 8965  
Ion Ratio Lower Upper  
117 100  
119 95.9 76.2 114.4

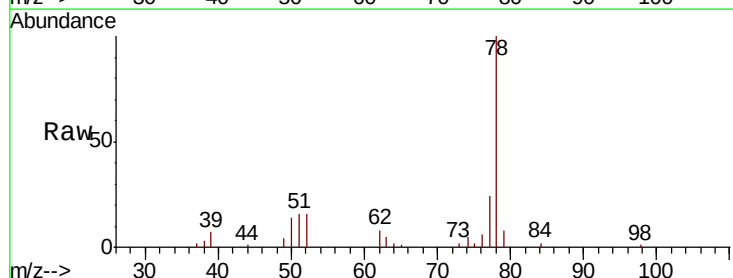


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 118.90 (118.60 to 119.60): V

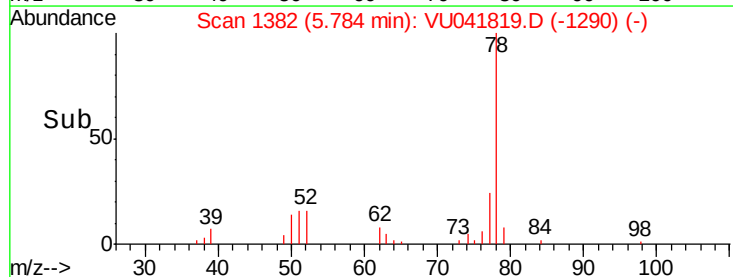
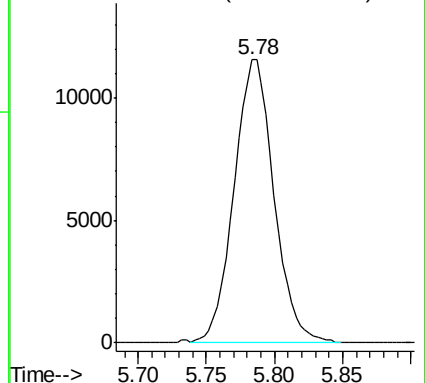


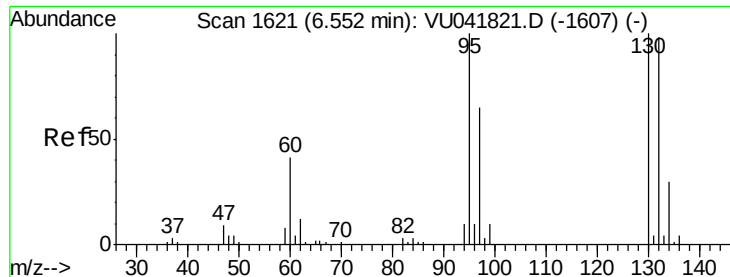
#33  
Benzene  
Concen: 0.493 ug/L  
RT: 5.78 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

Tgt Ion: 78 Resp: 23523



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.475 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5342

Tot Ion: 95 Resp: 6198

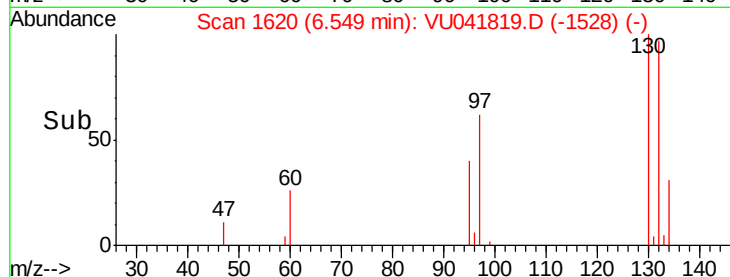
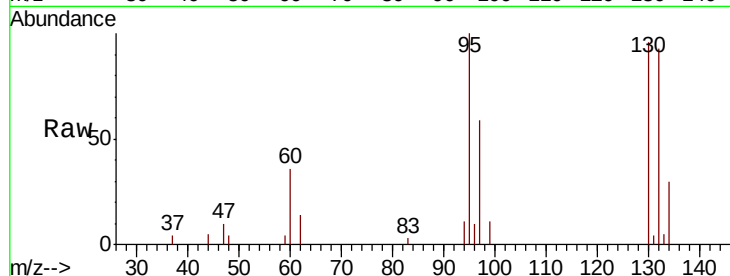
Ion Ratio Lower Upper

95 100

97 59.4 45.8 85.2

132 92.8 68.7 127.7

130 95.7 70.1 130.3

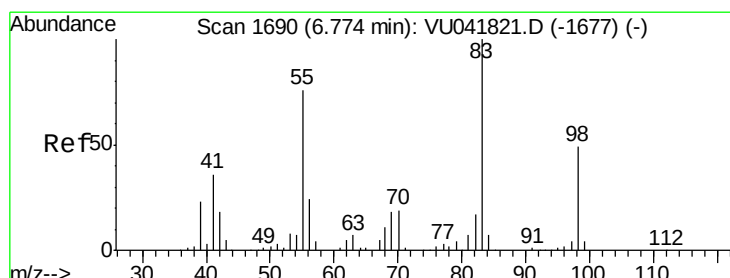
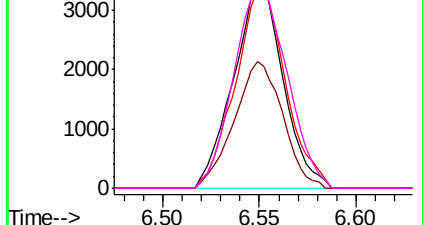


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.474 ug/L

RT: 6.77 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

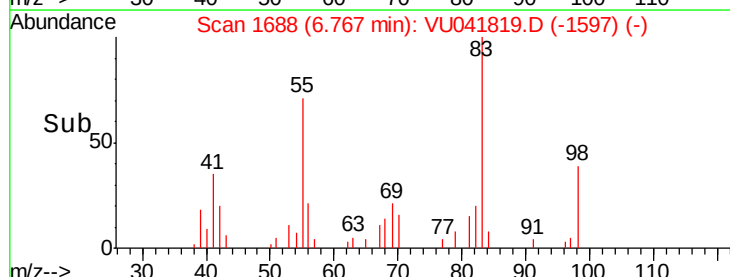
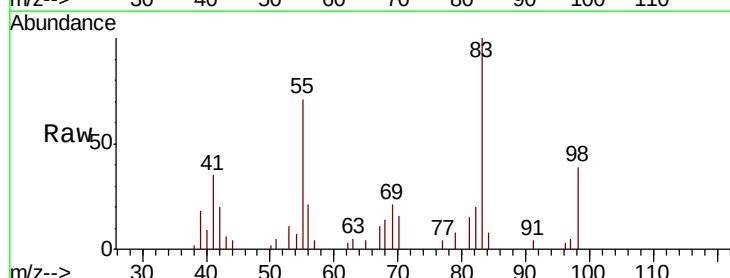
Tgt Ion: 83 Resp: 8751

Ion Ratio Lower Upper

83 100

55 73.4 59.5 89.3

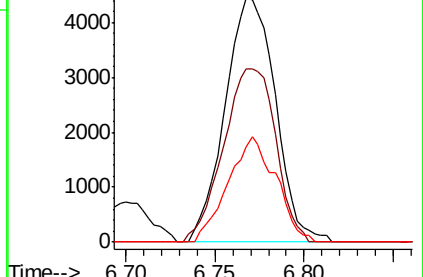
98 41.0 37.9 56.9



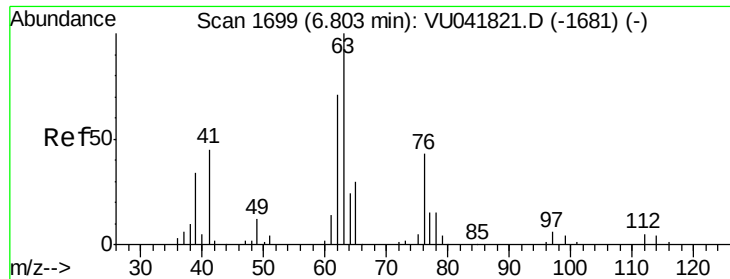
Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



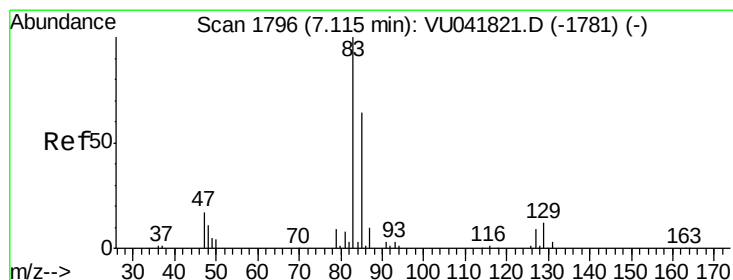
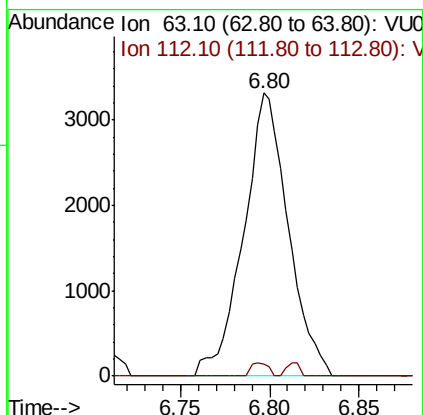
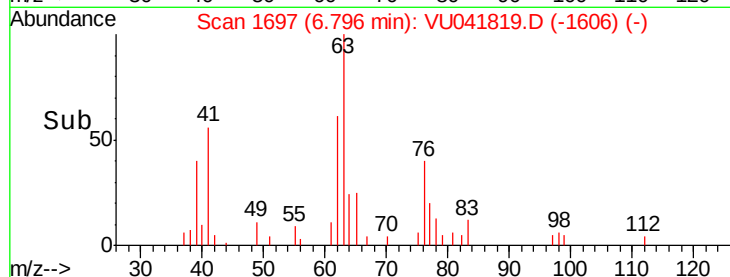
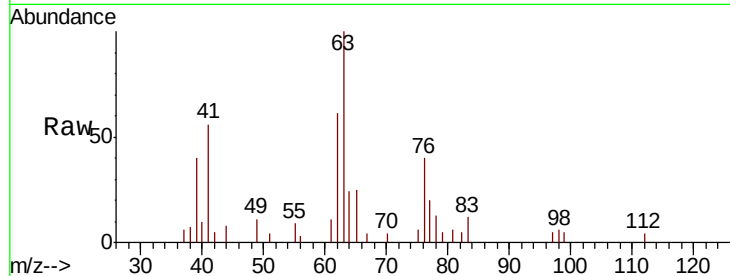




#37  
 1,2-Dichloropropane  
 Concen: 0.477 ug/L  
 RT: 6.80 min Scan# 1697  
 Delta R.T. -0.01 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

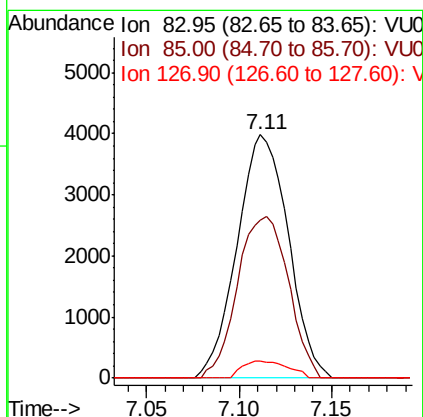
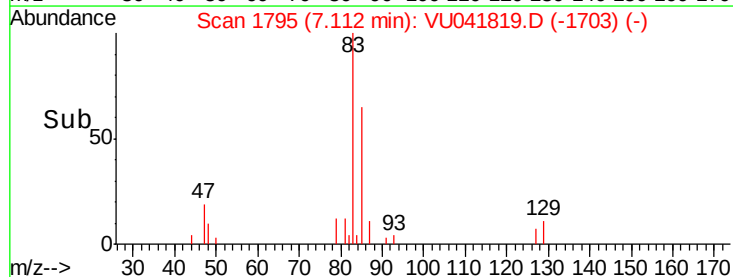
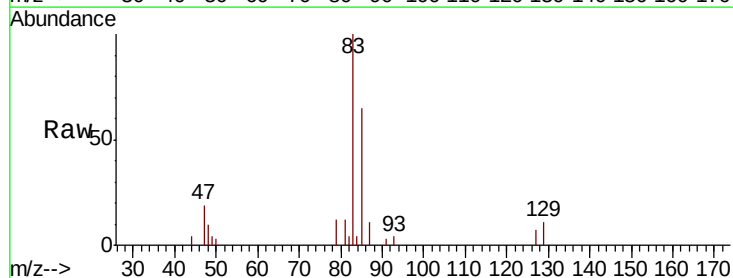
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5342

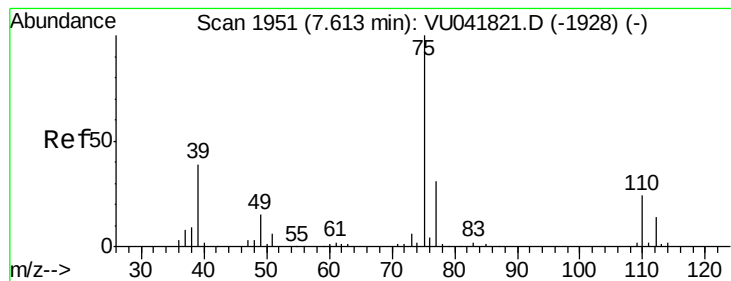
Tot Ion: 63 Resp: 5806  
 Ion Ratio Lower Upper  
 63 100  
 112 1.8 3.5 5.3#



#38  
 Bromodichloromethane  
 Concen: 0.413 ug/L  
 RT: 7.11 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

Tgt Ion: 83 Resp: 7614  
 Ion Ratio Lower Upper  
 83 100  
 85 64.7 44.6 82.8  
 127 7.1 7.4 11.2#



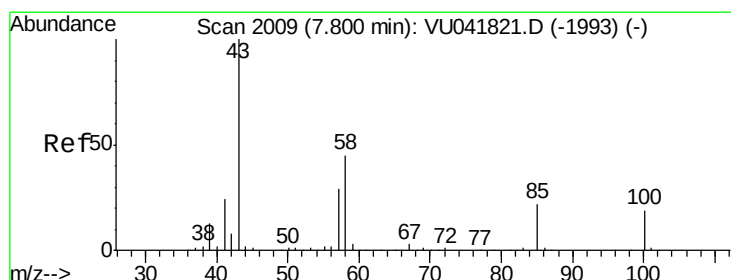
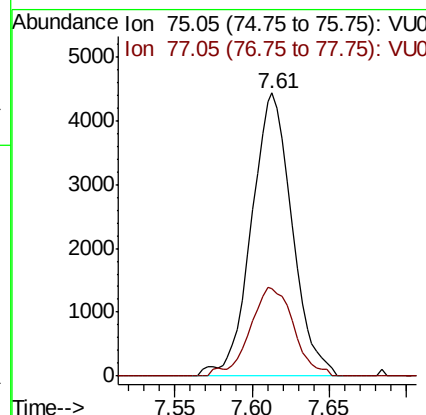
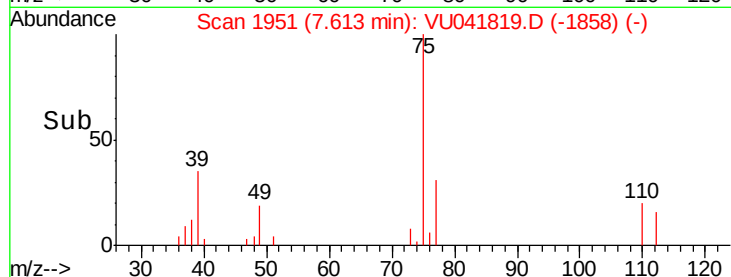
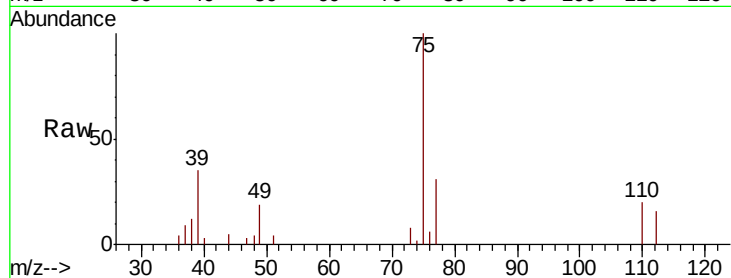


#39

cis-1,3-Dichloropropene  
 Concen: 0.432 ug/L  
 RT: 7.61 min Scan# 1951  
 Delta R.T. 0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5342

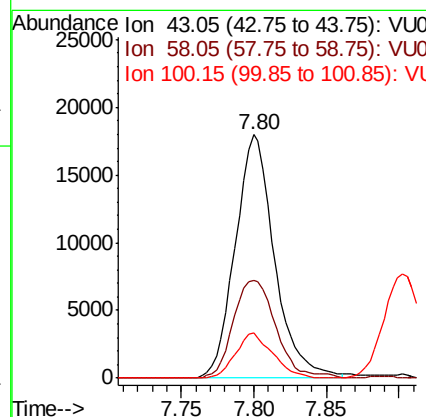
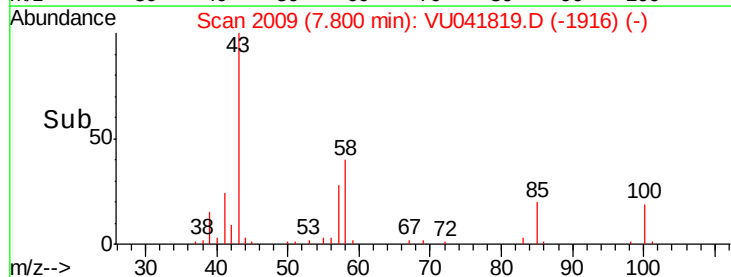
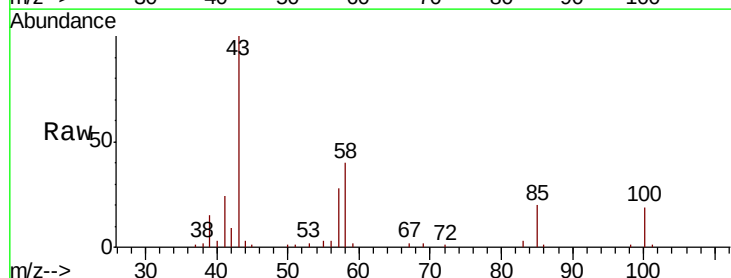
Tot Ion: 75 Resp: 8104  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 21.8 40.6

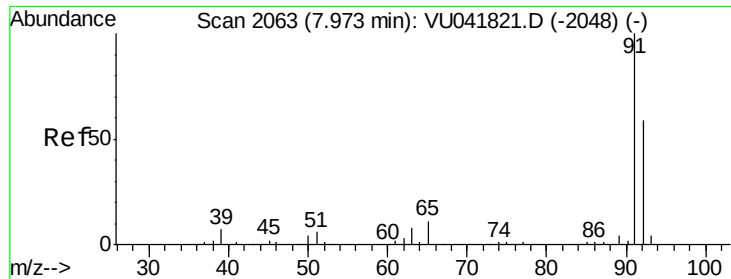


#40

4-Methyl-2-pentanone  
 Concen: 3.909 ug/L  
 RT: 7.80 min Scan# 2009  
 Delta R.T. 0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

Tgt Ion: 43 Resp: 33834  
 Ion Ratio Lower Upper  
 43 100  
 58 43.7 35.8 53.6  
 100 17.5 15.1 22.7





#42

Toluene

Concen: 0.455 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

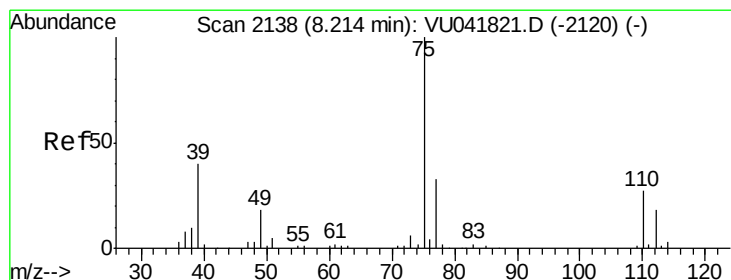
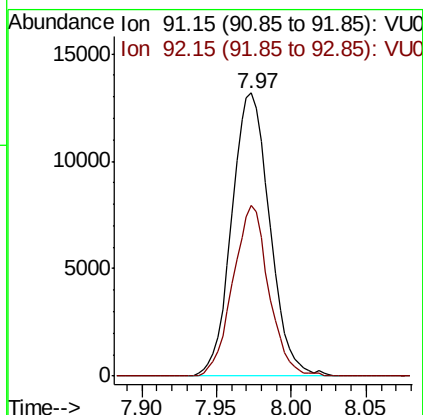
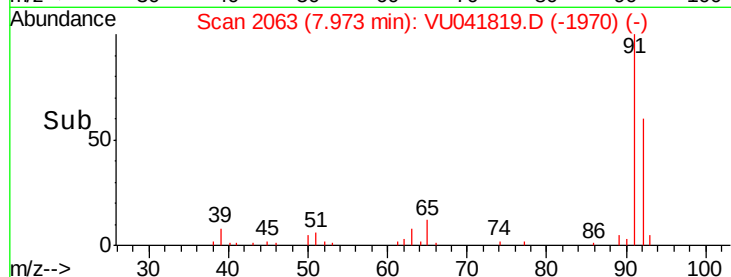
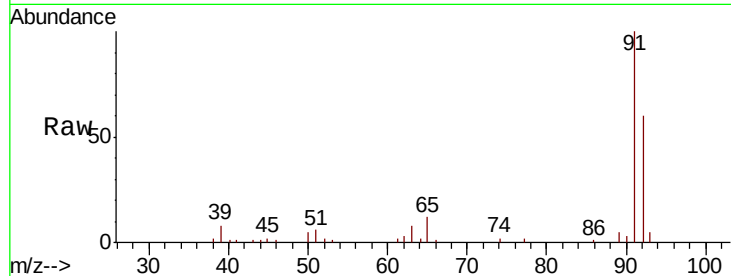
VSTD0.5342

Tot Ion: 91 Resp: 23348

Ion Ratio Lower Upper

91 100

92 60.1 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 0.429 ug/L

RT: 8.21 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU041819.D

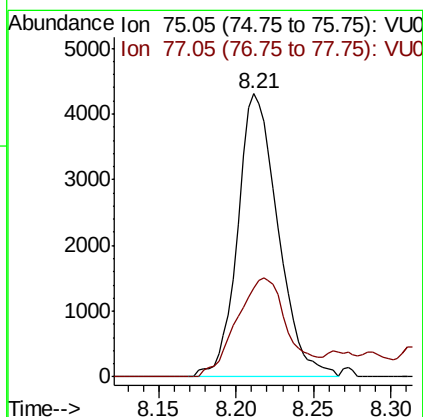
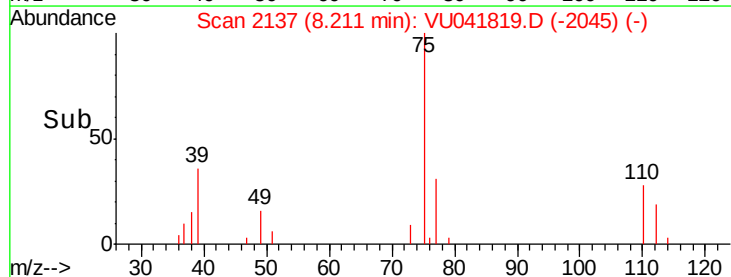
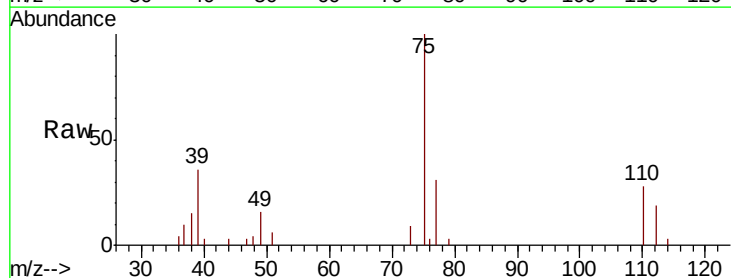
Acq: 28 Dec 2020 10:10

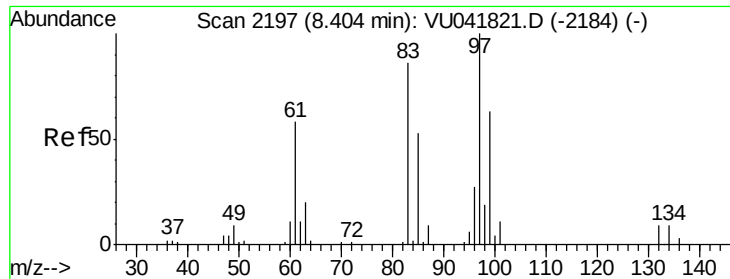
Tgt Ion: 75 Resp: 7801

Ion Ratio Lower Upper

75 100

77 31.3 23.4 43.4

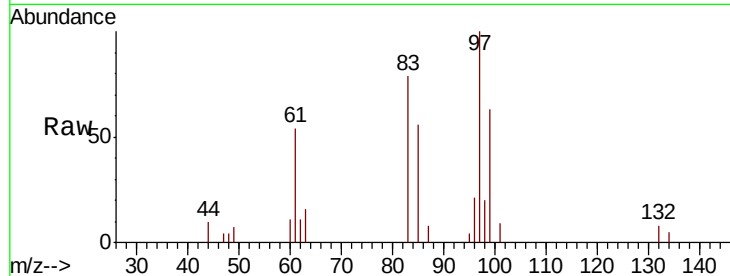




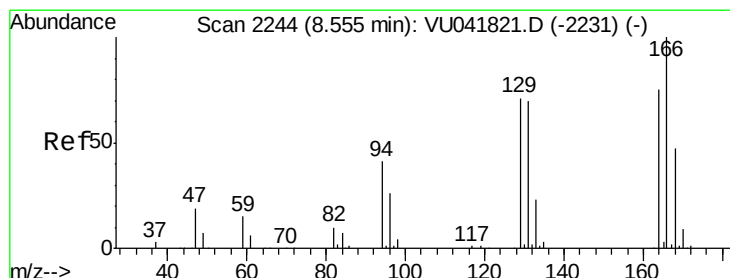
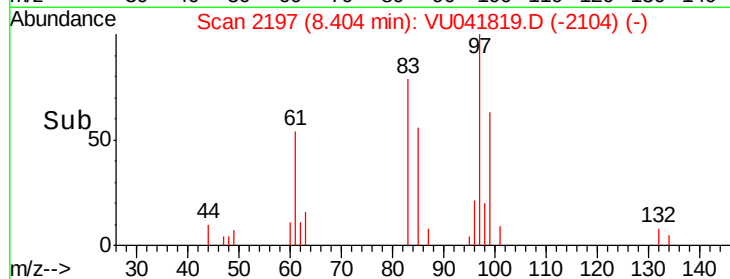
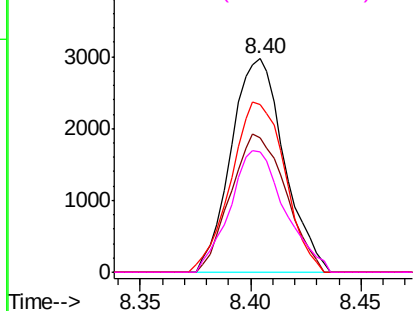
#45  
 1,1,2-Trichloroethane  
 Concen: 0.517 ug/L  
 RT: 8.40 min Scan# 2197  
 Delta R.T. 0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5342

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 4984  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.9  | 44.2  | 82.0  |
| 83       | 78.6  | 60.1  | 111.7 |
| 85       | 56.4  | 37.3  | 69.3  |

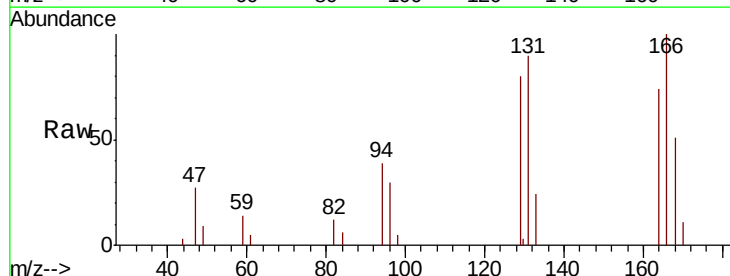


Abundance Ion 96.95 (96.65 to 97.65): VU0  
 Ion 99.05 (98.75 to 99.75): VU0  
 Ion 82.95 (82.65 to 83.65): VU0  
 Ion 85.00 (84.70 to 85.70): VU0

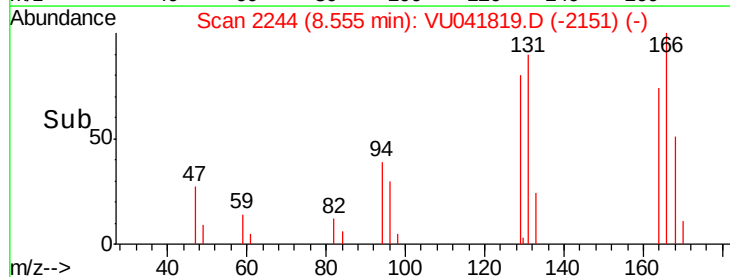
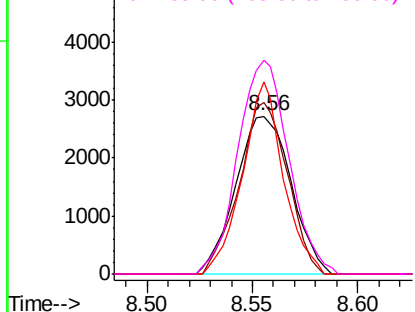


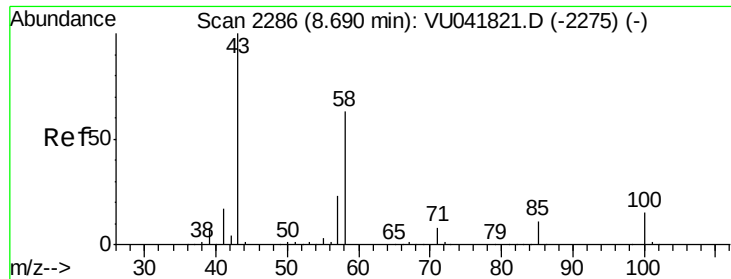
#47  
 Tetrachloroethene  
 Concen: 0.507 ug/L  
 RT: 8.56 min Scan# 2244  
 Delta R.T. 0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 4964  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 108.9 | 66.6  | 123.8 |
| 131      | 121.8 | 65.9  | 122.3 |
| 166      | 135.6 | 93.7  | 173.9 |



Abundance Ion 163.90 (163.60 to 164.60): V  
 Ion 128.95 (128.65 to 129.65): V  
 Ion 130.95 (130.65 to 131.65): V  
 Ion 165.90 (165.60 to 166.60): V

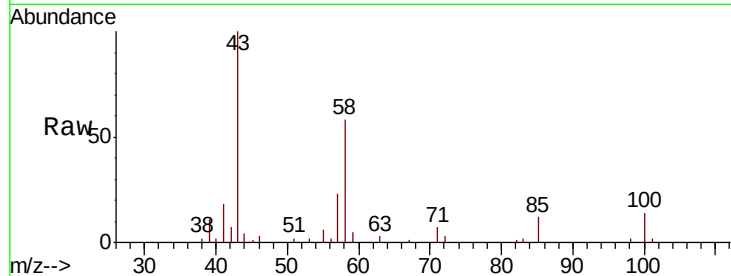




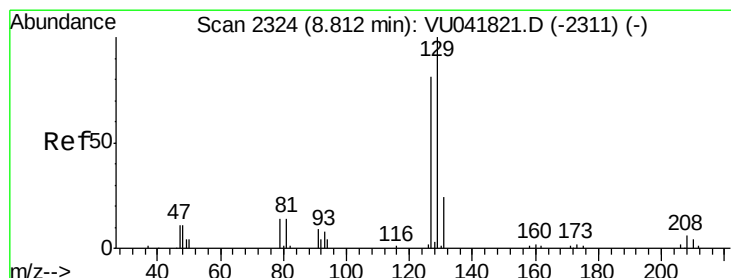
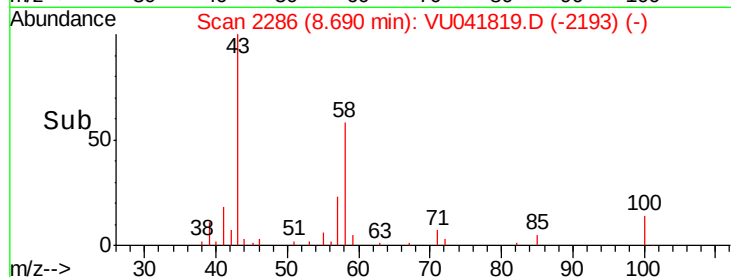
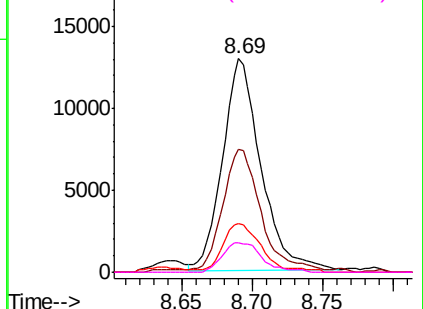
#48  
2-Hexanone  
Concen: 3.792 ug/L  
RT: 8.69 min Scan# 2286  
Delta R.T. 0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5342

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 24667 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 55.9  | 50.0  | 75.0  |
| 57       | 21.8  | 17.4  | 26.0  |
| 100      | 14.2  | 11.8  | 17.8  |

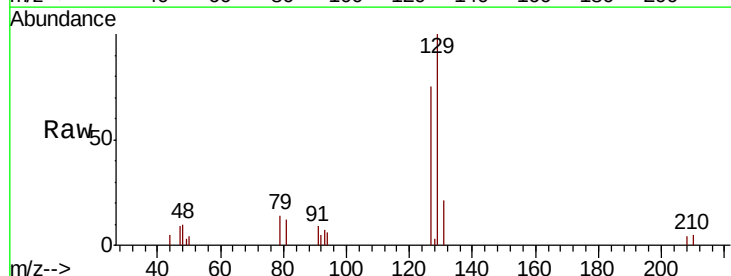


Abundance Ion 43.05 (42.75 to 43.75): VU041819.D (-2193) (-)  
Ion 58.05 (57.75 to 58.75): VU041819.D (-2193) (-)  
Ion 57.20 (56.90 to 57.90): VU041819.D (-2193) (-)  
Ion 100.15 (99.85 to 100.85): VU041819.D (-2193) (-)

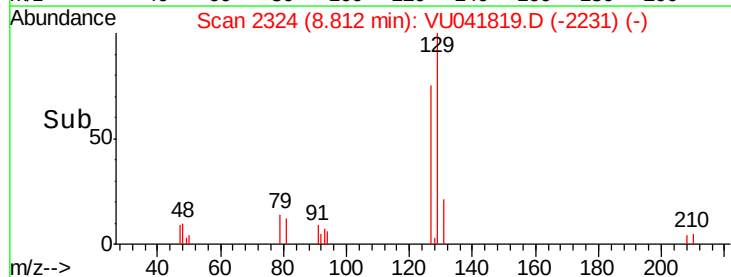
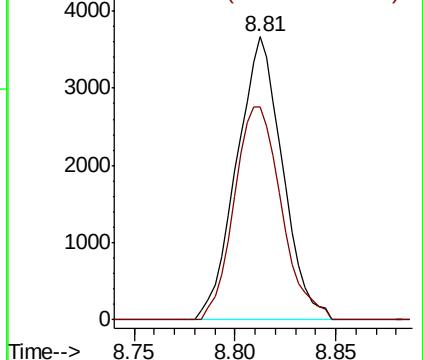


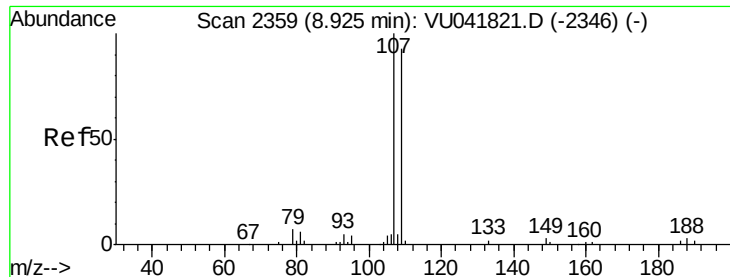
#49  
Dibromochloromethane  
Concen: 0.456 ug/L  
RT: 8.81 min Scan# 2324  
Delta R.T. 0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 5827  |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 75.1  | 56.6  | 105.2 |



Abundance Ion 128.95 (128.65 to 129.65): VU041819.D (-2231) (-)  
Ion 126.90 (126.60 to 127.60): VU041819.D (-2231) (-)

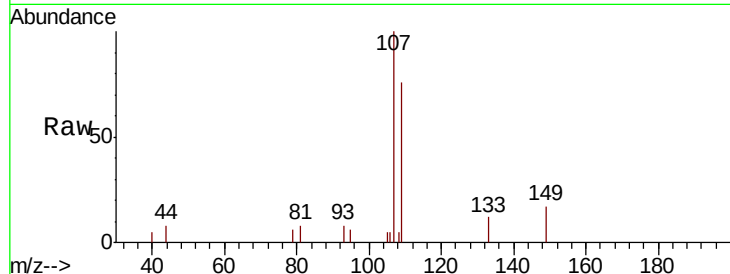




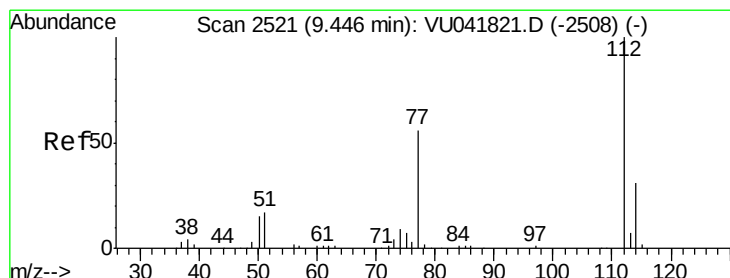
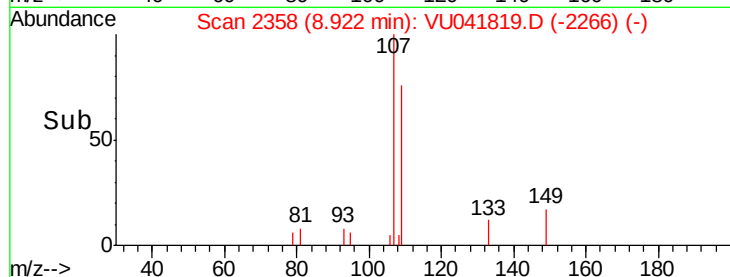
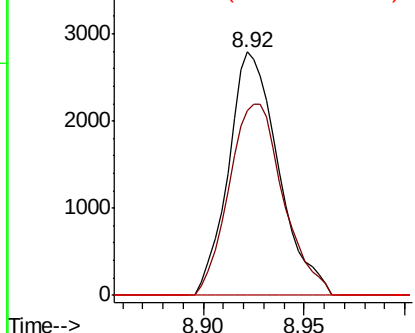
#50  
1,2-Dibromoethane  
Concen: 0.513 ug/L  
RT: 8.92 min Scan# 2358  
Delta R.T. -0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5342

Tot Ion:107 Resp: 4825  
Ion Ratio Lower Upper  
107 100  
109 75.9 65.4 121.4  
188 0.0 2.5 3.7#

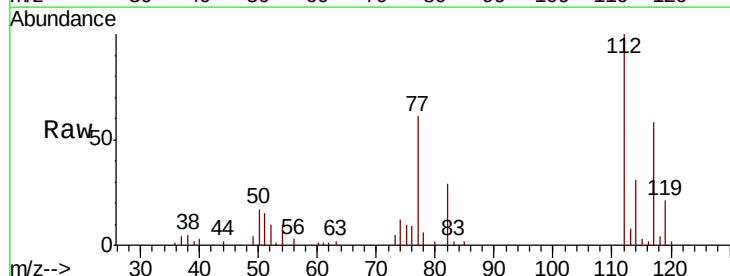


Abundance Ion 106.95 (106.65 to 107.65): V  
Ion 109.00 (108.70 to 109.70): V  
Ion 187.90 (187.60 to 188.60): V

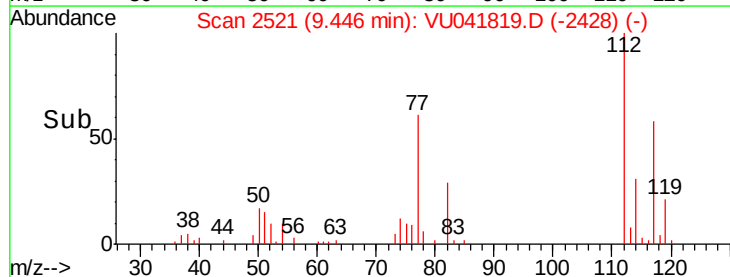
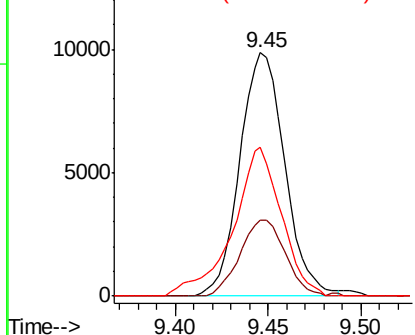


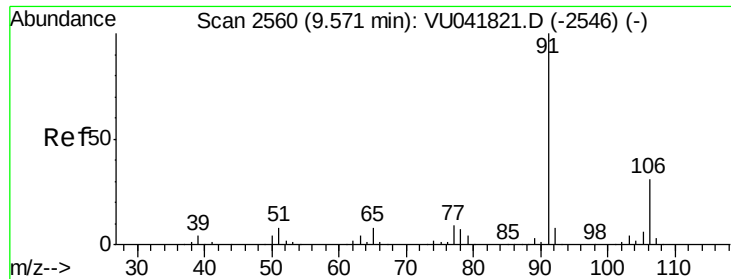
#51  
Chlorobenzene  
Concen: 0.497 ug/L  
RT: 9.45 min Scan# 2521  
Delta R.T. 0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

Tgt Ion:112 Resp: 16578  
Ion Ratio Lower Upper  
112 100  
114 31.1 21.9 40.7  
77 61.1 45.1 67.7



Abundance Ion 112.10 (111.80 to 112.80): V  
Ion 114.05 (113.75 to 114.75): V  
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.416 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

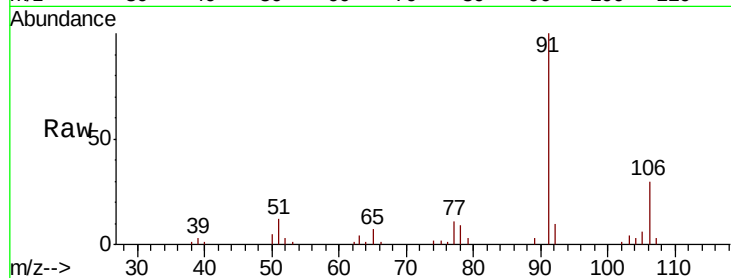
VSTD0.5342

Tot Ion: 91 Resp: 23663

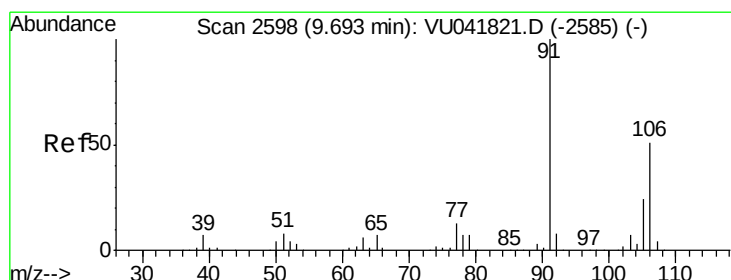
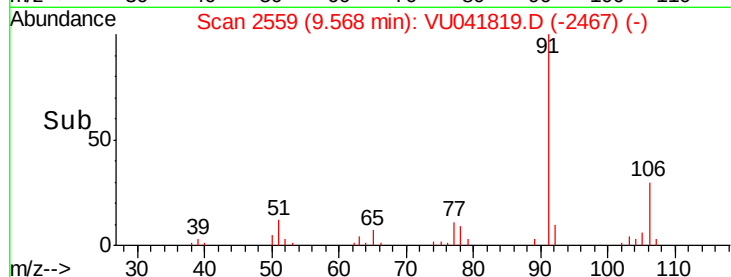
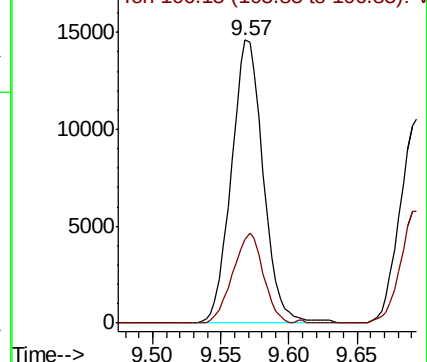
Ion Ratio Lower Upper

91 100

106 29.6 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VU041819.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.431 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041819.D

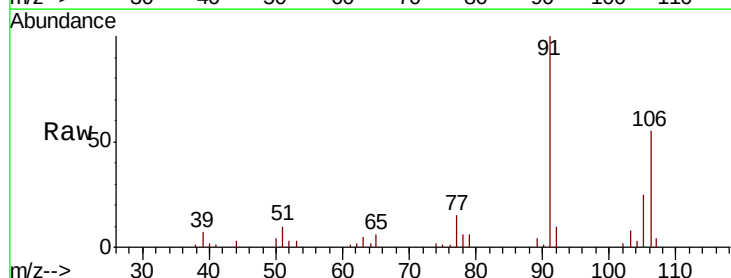
Acq: 28 Dec 2020 10:10

Tgt Ion: 106 Resp: 8955

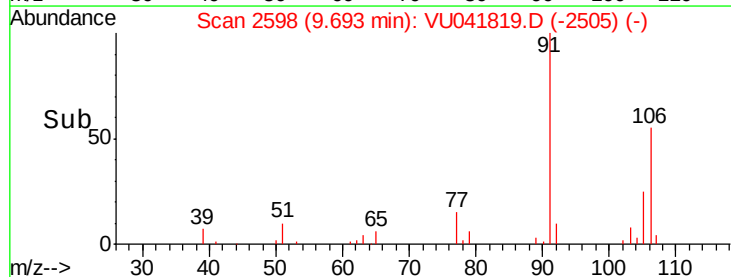
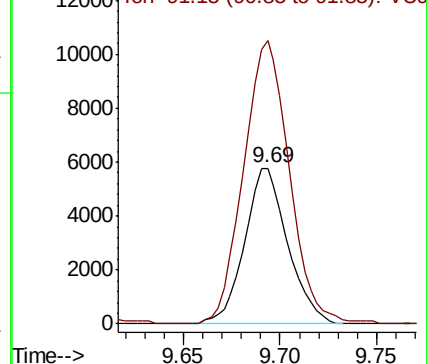
Ion Ratio Lower Upper

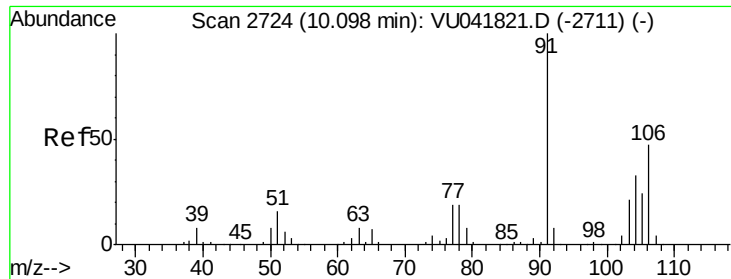
106 100

91 181.8 137.6 255.6



Abundance Ion 106.15 (105.85 to 106.85): VU041819.D (-2585) (-)

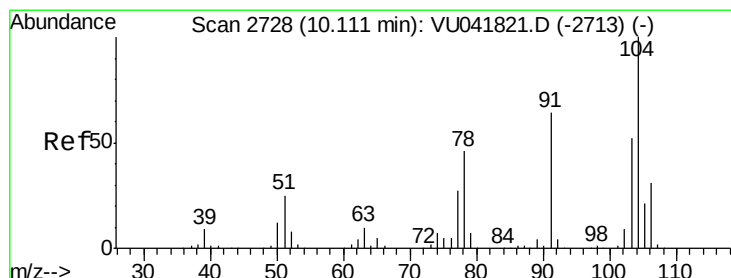
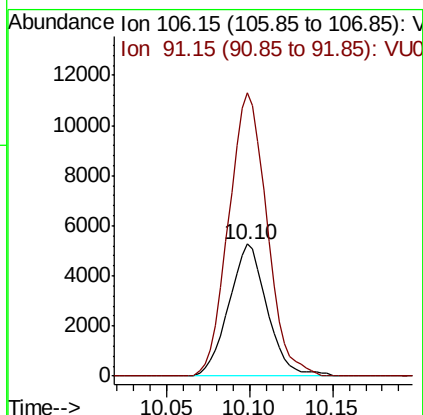
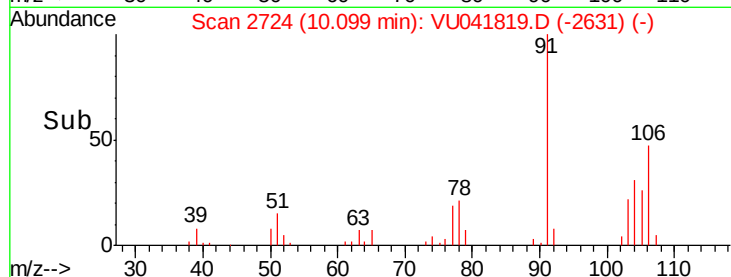
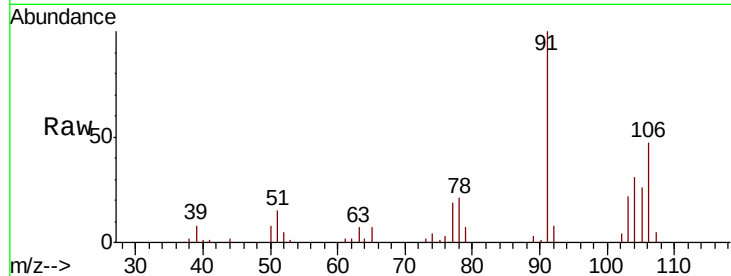




#54  
o-Xylene  
Concen: 0.419 ug/L  
RT: 10.10 min Scan# 2724  
Delta R.T. 0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

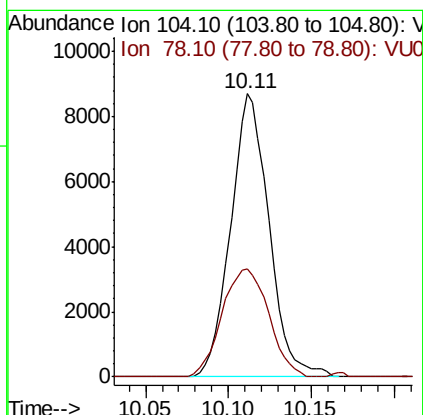
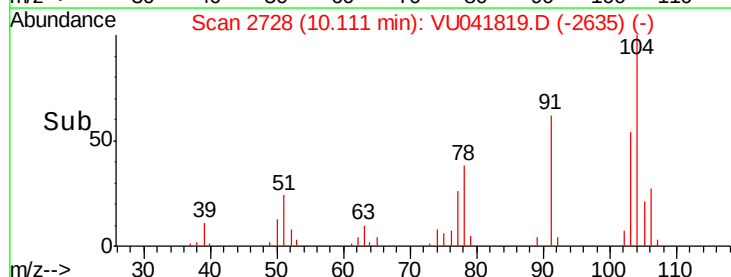
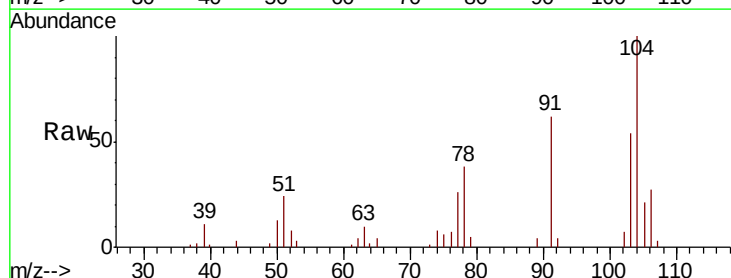
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD0.5342

Tot Ion:106 Resp: 8447  
Ion Ratio Lower Upper  
106 100  
91 214.7 148.5 275.9

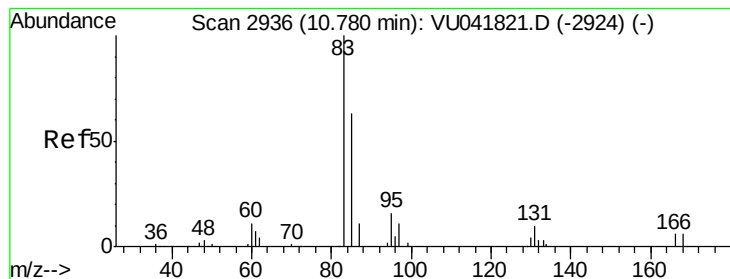


#55  
Styrene  
Concen: 0.397 ug/L  
RT: 10.11 min Scan# 2728  
Delta R.T. 0.00 min  
Lab File: VU041819.D  
Acq: 28 Dec 2020 10:10

Tgt Ion:104 Resp: 13995  
Ion Ratio Lower Upper  
104 100  
78 38.2 32.3 60.1







#57

1,1,2,2-Tetrachloroethane

Concen: 0.556 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5342

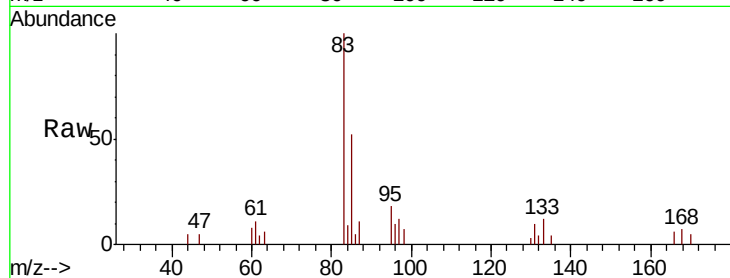
Tot Ion: 83 Resp: 6975

Ion Ratio Lower Upper

83 100

85 52.2 44.9 83.5

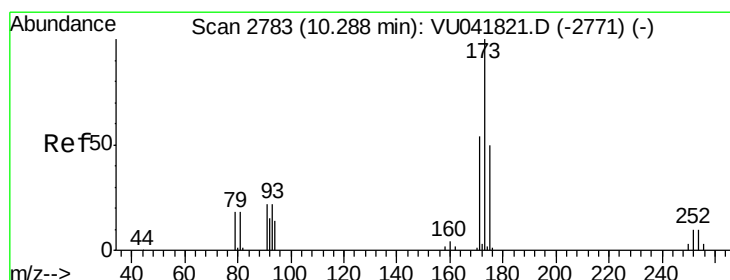
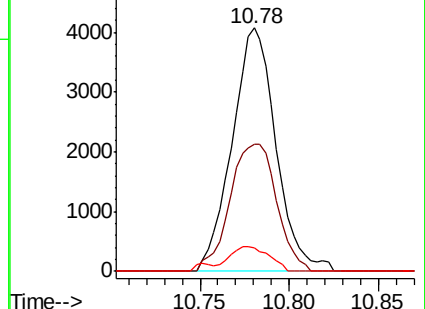
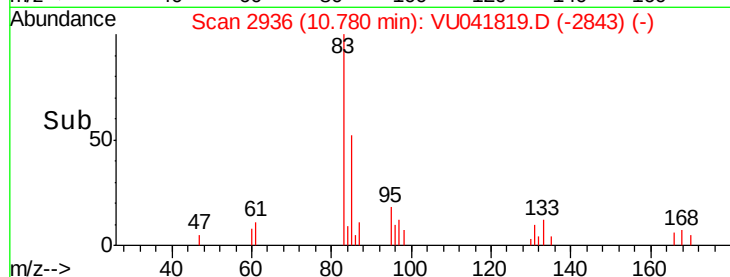
131 9.5 8.2 12.4



Abundance Ion 82.95 (82.65 to 83.65): VU041819.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VU041819.D (-2843) (-)

Ion 130.95 (130.65 to 131.65): VU041819.D (-2843) (-)



#59

Bromoform

Concen: 0.564 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

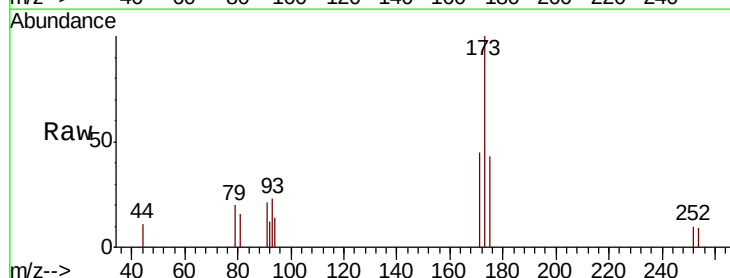
Tgt Ion: 173 Resp: 3652

Ion Ratio Lower Upper

173 100

175 42.8 39.4 59.0

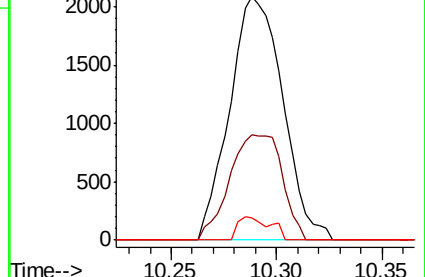
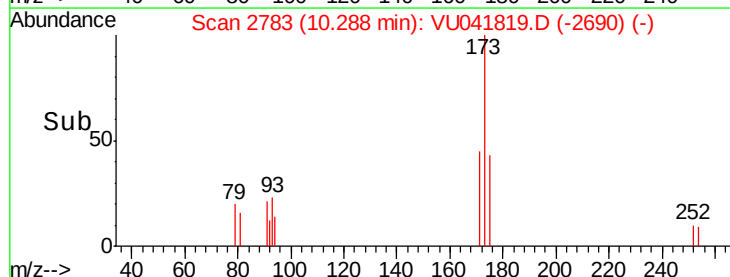
254 5.8 8.0 12.0#

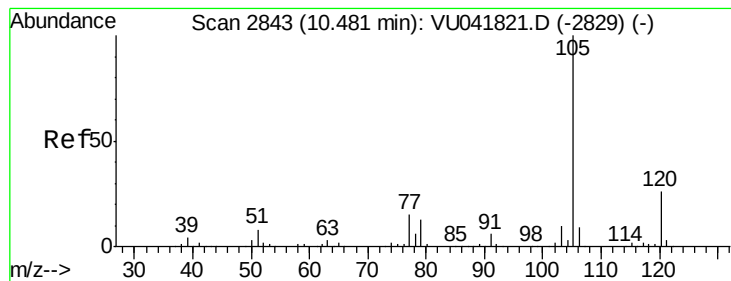


Abundance Ion 172.90 (172.60 to 173.60): VU041819.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VU041819.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VU041819.D (-2690) (-)





#60

Isopropylbenzene

Concen: 0.456 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5342

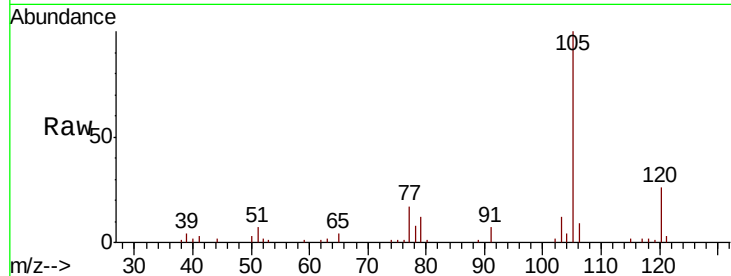
Tot Ion:105 Resp: 22329

Ion Ratio Lower Upper

105 100

120 26.6 20.9 31.3

77 16.0 11.8 17.8

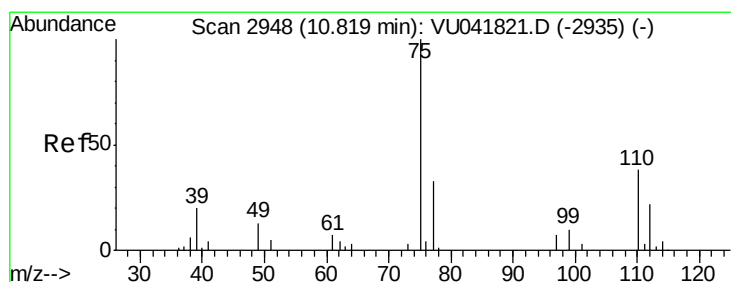
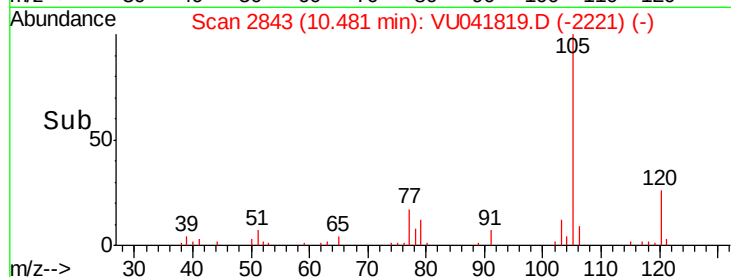
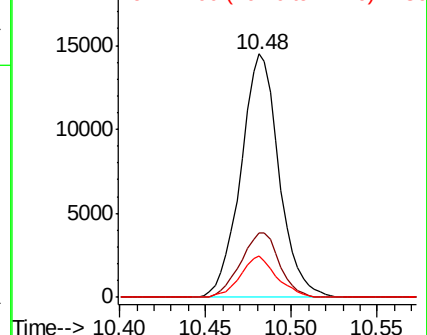


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 0.561 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

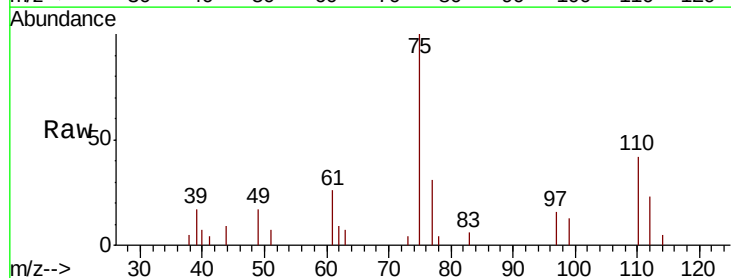
Tgt Ion: 75 Resp: 4816

Ion Ratio Lower Upper

75 100

110 38.9 31.5 47.3

77 31.7 26.3 39.5

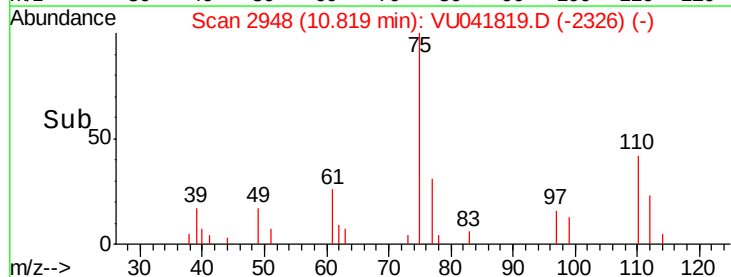
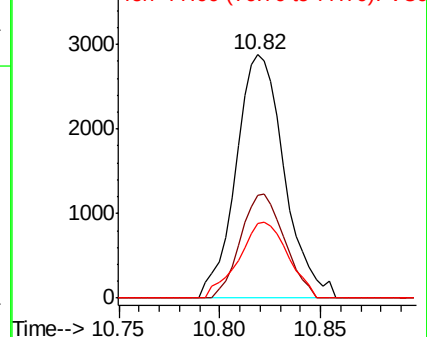


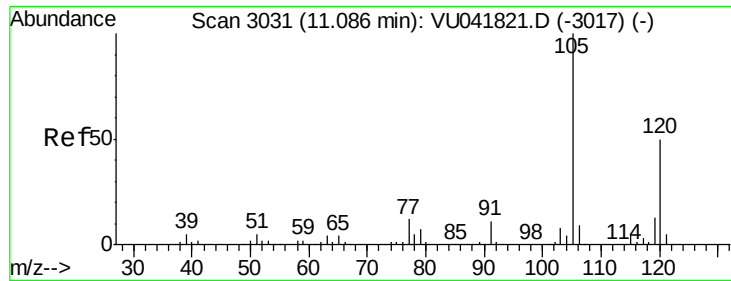
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.404 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

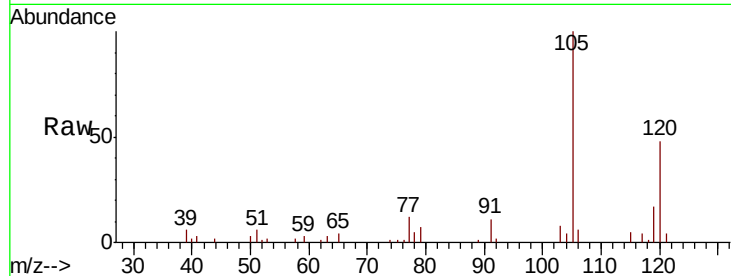
VSTD0.5342

Tot Ion:105 Resp: 16836

Ion Ratio Lower Upper

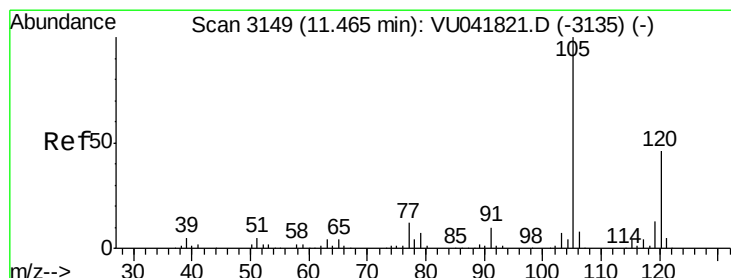
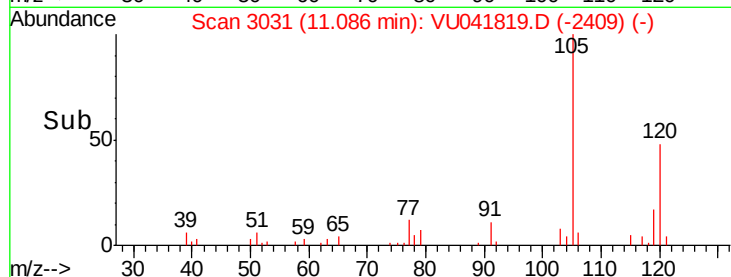
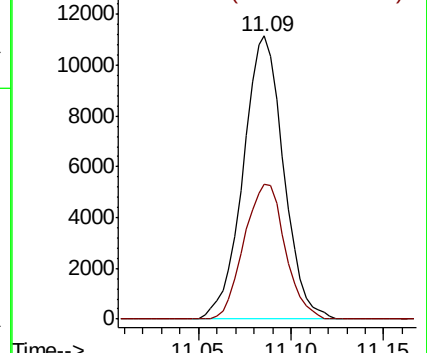
105 100

120 48.2 39.5 59.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.367 ug/L

RT: 11.46 min Scan# 3148

Delta R.T. -0.00 min

Lab File: VU041819.D

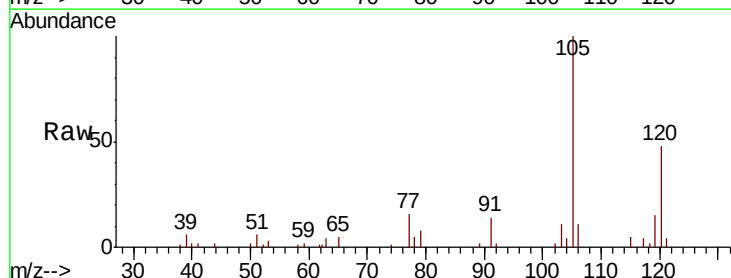
Acq: 28 Dec 2020 10:10

Tgt Ion:105 Resp: 15499

Ion Ratio Lower Upper

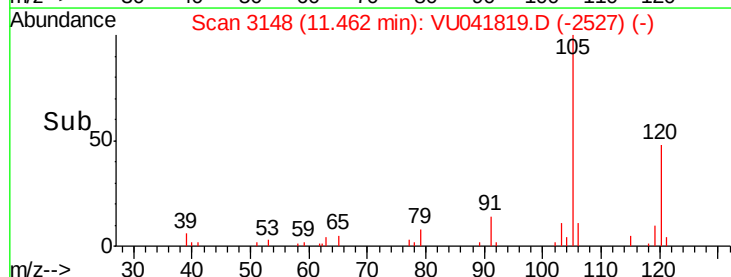
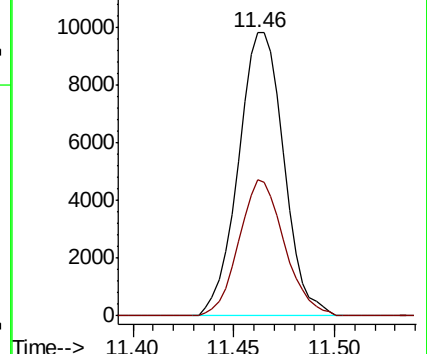
105 100

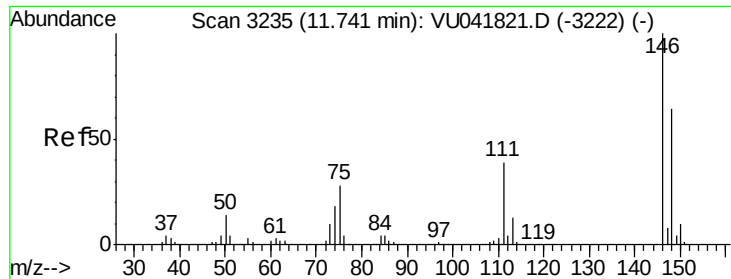
120 48.1 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

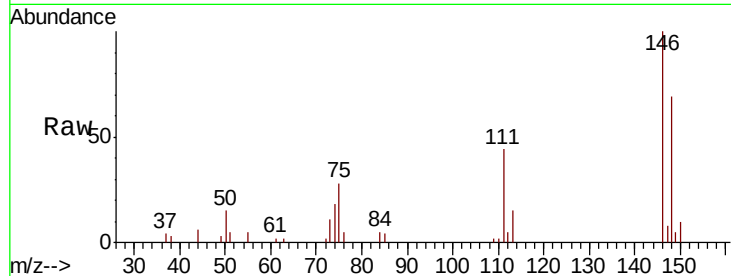




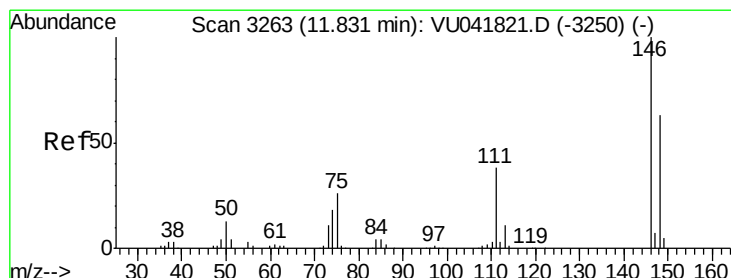
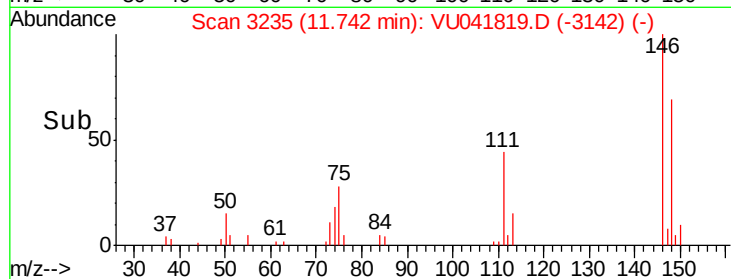
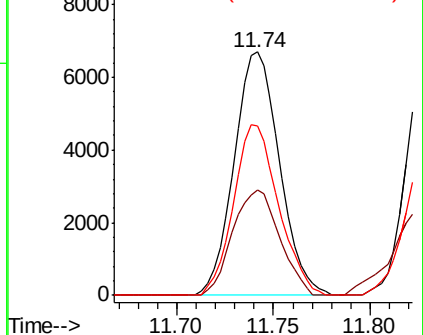
#64  
 1,3-Dichlorobenzene  
 Concen: 0.450 ug/L  
 RT: 11.74 min Scan# 3235  
 Delta R.T. 0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5342

Tot Ion:146 Resp: 10924  
 Ion Ratio Lower Upper  
 146 100  
 111 43.5 27.6 51.2  
 148 69.5 44.9 83.3

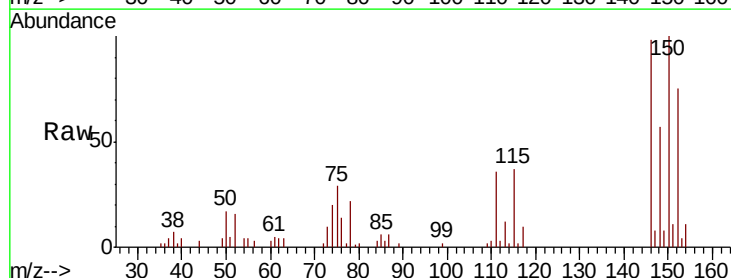


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

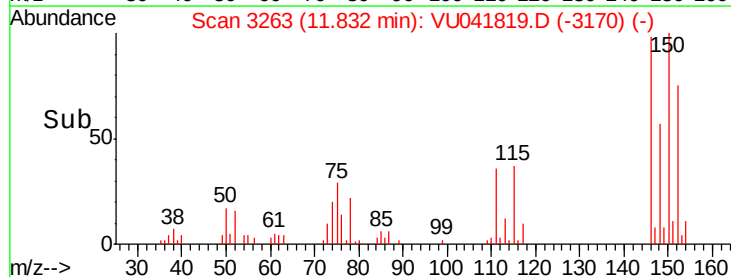
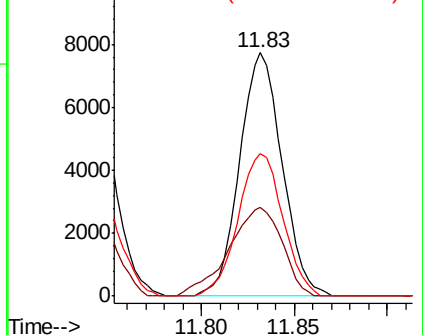


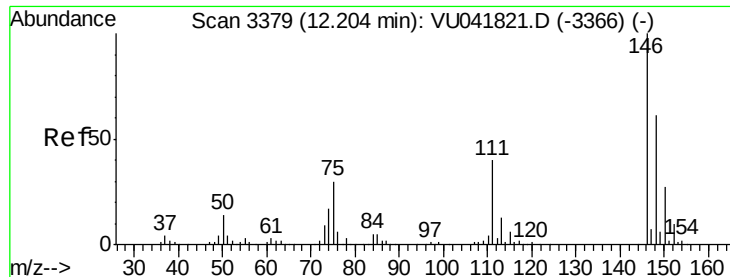
#65  
 1,4-Dichlorobenzene  
 Concen: 0.500 ug/L  
 RT: 11.83 min Scan# 3263  
 Delta R.T. 0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

Tgt Ion:146 Resp: 12284  
 Ion Ratio Lower Upper  
 146 100  
 111 36.2 26.7 49.5  
 148 58.5 43.9 81.5



Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

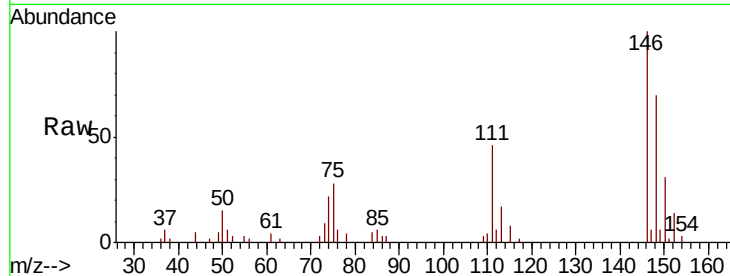




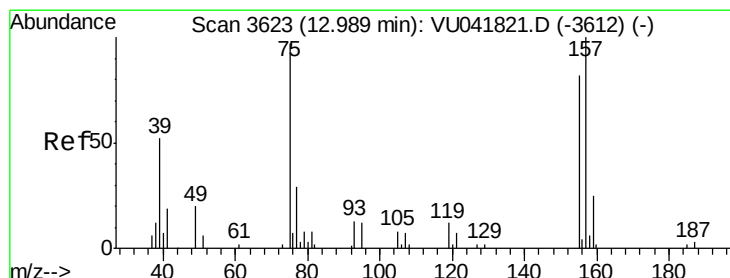
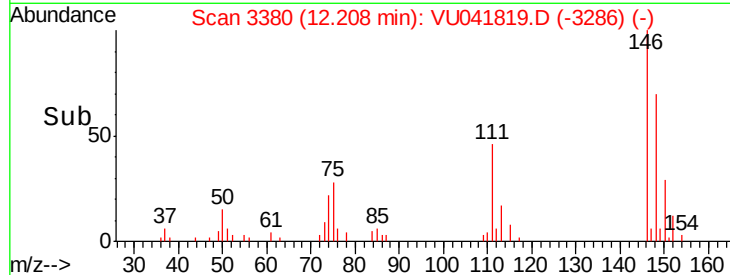
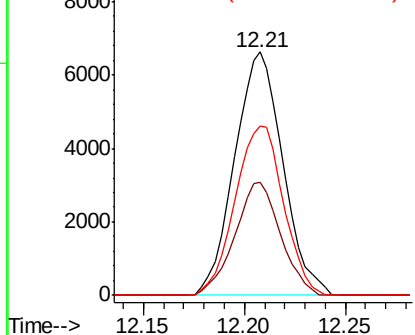
#67  
 1,2-Dichlorobenzene  
 Concen: 0.463 ug/L  
 RT: 12.21 min Scan# 3380  
 Delta R.T. 0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5342

Tot Ion:146 Resp: 11074  
 Ion Ratio Lower Upper  
 146 100  
 111 46.4 31.9 47.9  
 148 69.7 48.8 73.2

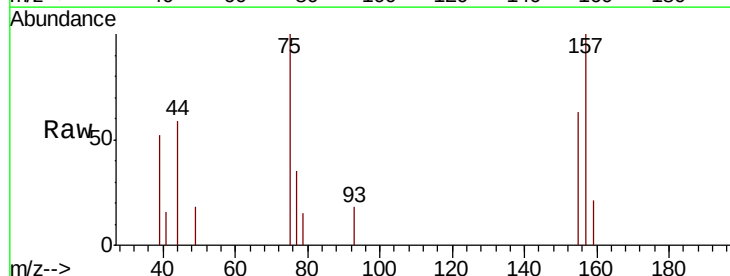


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

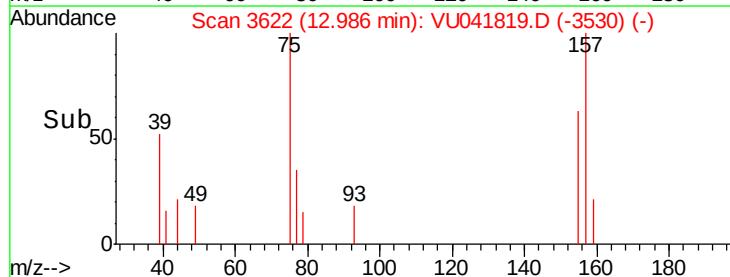
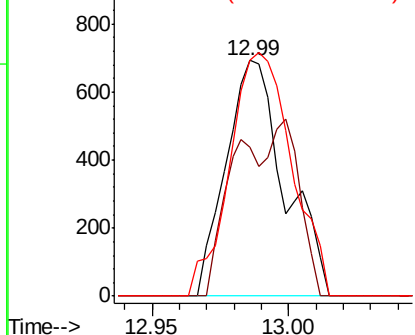


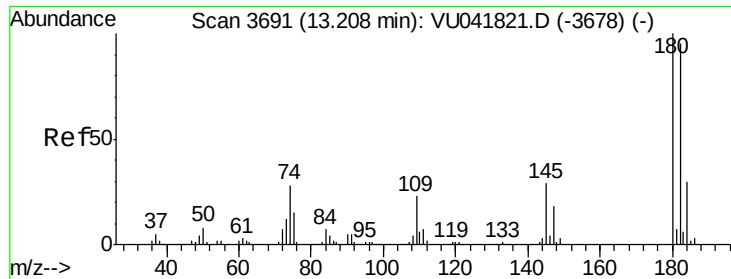
#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.459 ug/L  
 RT: 12.99 min Scan# 3622  
 Delta R.T. -0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

Tgt Ion: 75 Resp: 1040  
 Ion Ratio Lower Upper  
 75 100  
 155 63.1 67.8 101.8#  
 157 100.1 82.4 123.6



Abundance Ion 75.05 (74.75 to 75.75): VU0  
 Ion 154.95 (154.65 to 155.65): V  
 Ion 156.90 (156.60 to 157.60): V

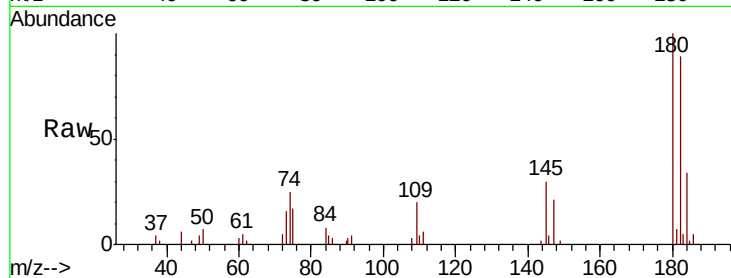




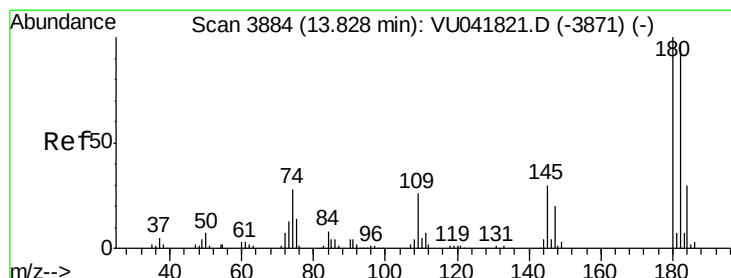
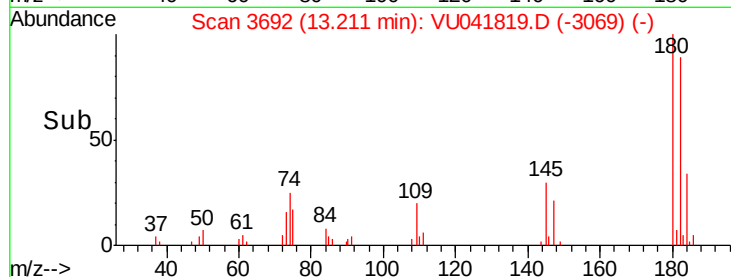
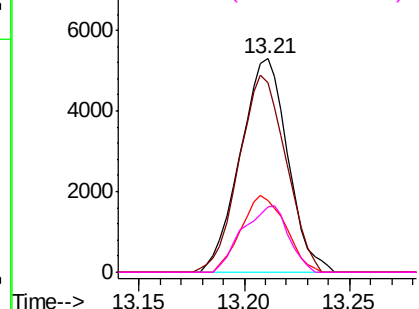
#69  
 1,3,5-Trichlorobenzene  
 Concen: 0.450 ug/L  
 RT: 13.21 min Scan# 3692  
 Delta R.T. 0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5342

Tot Ion:180 Resp: 8280  
 Ion Ratio Lower Upper  
 180 100  
 182 91.3 76.1 114.1  
 184 33.7 24.0 36.0  
 145 30.2 23.2 34.8

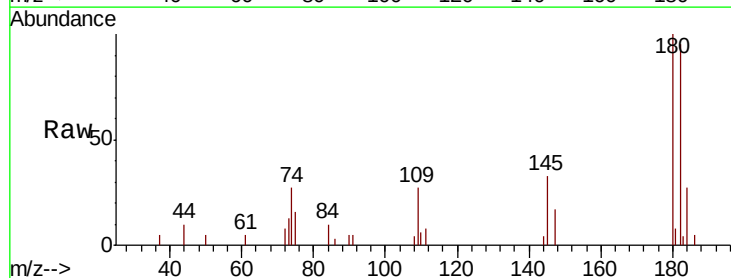


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 184.00 (183.70 to 184.70): V  
 Ion 145.00 (144.70 to 145.70): V

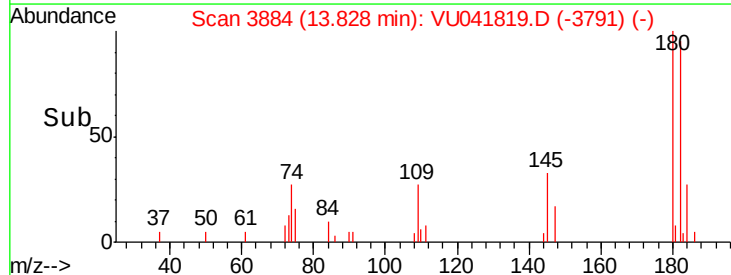
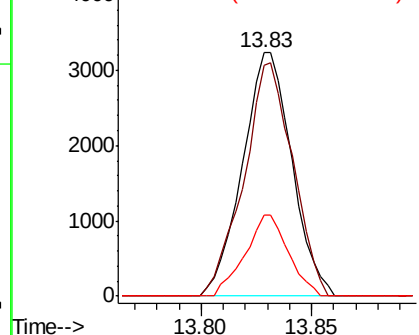


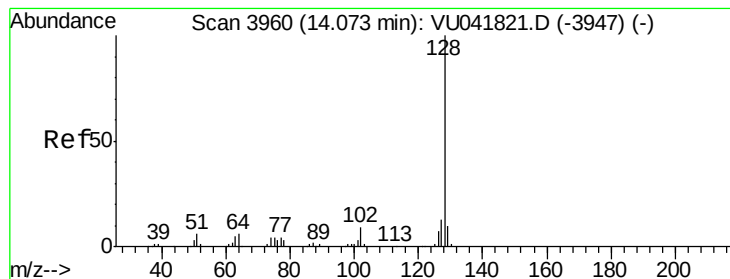
#70  
 1,2,4-trichlorobenzene  
 Concen: 0.334 ug/L  
 RT: 13.83 min Scan# 3884  
 Delta R.T. 0.00 min  
 Lab File: VU041819.D  
 Acq: 28 Dec 2020 10:10

Tgt Ion:180 Resp: 5031  
 Ion Ratio Lower Upper  
 180 100  
 182 94.7 76.5 114.7  
 145 29.2 24.1 36.1



Abundance Ion 179.90 (179.60 to 180.60): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 0.282 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5342

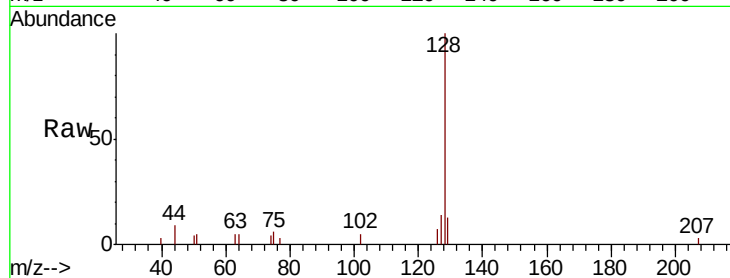
Tot Ion:128 Resp: 7068

Ion Ratio Lower Upper

128 100

129 8.8 8.6 12.8

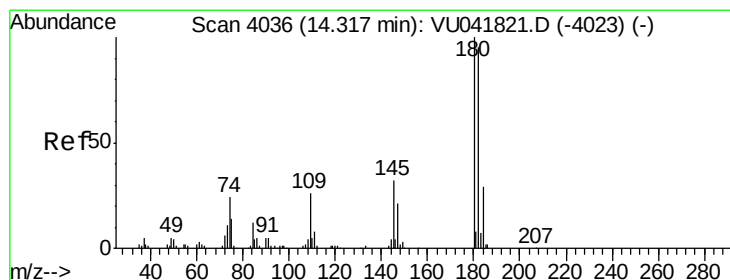
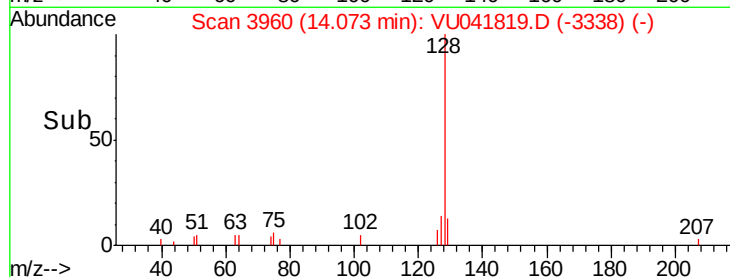
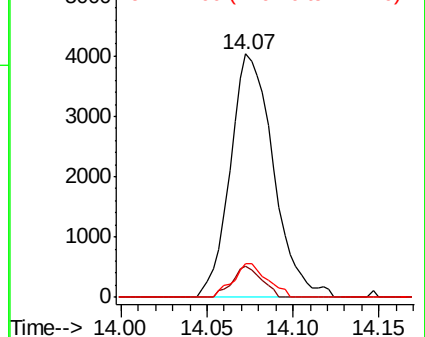
127 10.8 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 0.336 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041819.D

Acq: 28 Dec 2020 10:10

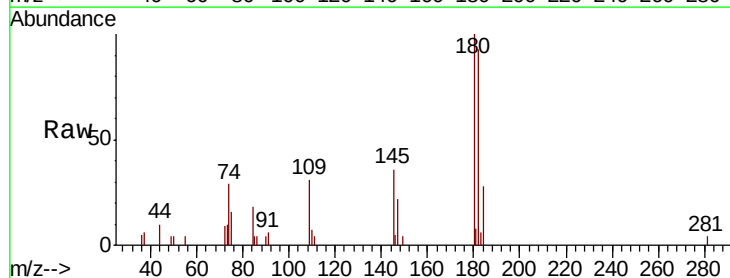
Tgt Ion:180 Resp: 4568

Ion Ratio Lower Upper

180 100

182 111.4 75.8 113.8

145 35.2 25.0 37.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

