

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU072518\  
 Data File : VU025626.D  
 Acq On : 25 Jul 2018 09:49  
 Operator : MD/SY  
 Sample : VSTDIC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

Quant Time: Jul 25 11:50:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\524U072518DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Jul 25 11:50:38 2018  
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
| 1) Fluorobenzene   | 5.75 | 96   | 45143    | 1.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                            |       |     |          |      |         |      |
|----------------------------|-------|-----|----------|------|---------|------|
| 57) 4-Bromofluorobenzene   | 10.31 | 95  | 16616    | 1.13 | ug/l    | 0.00 |
| Spiked Amount 1.000        |       |     | Recovery | =    | 113.00% |      |
| 68) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 19187    | 1.34 | ug/l    | 0.00 |
| Spiked Amount 1.000        |       |     | Recovery | =    | 134.00% |      |

## Target Compounds

|                               |      |     |       |              | Qvalue |
|-------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 8794  | 0.600 ug/l   | 98     |
| 3) Chloromethane              | 1.33 | 50  | 8409  | 0.495 ug/l   | 100    |
| 4) Vinyl Chloride             | 1.41 | 62  | 7458  | 0.458 ug/l   | 98     |
| 5) Bromomethane               | 1.63 | 94  | 3885  | 0.446 ug/l   | 91     |
| 6) Chloroethane               | 1.70 | 64  | 4685  | 0.517 ug/l   | 97     |
| 7) Trichlorofluoromethane     | 1.89 | 101 | 11043 | 0.590 ug/l   | 96     |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 5955  | 0.518 ug/l   | 95     |
| 9) 1,1-Dichloroethene         | 2.29 | 96  | 5518  | 0.517 ug/l   | 96     |
| 12) Acrylonitrile             | 2.94 | 53  | 2619  | 1.190 ug/l   | 94     |
| 13) Acetone                   | 2.32 | 43  | 6371  | 3.410 ug/l   | 94     |
| 14) Carbon Disulfide          | 2.48 | 76  | 19464 | 0.555 ug/l   | 100    |
| 15) Methylene Chloride        | 2.70 | 84  | 7290  | 0.600 ug/l   | 91     |
| 16) trans-1,2-Dichloroethene  | 2.98 | 96  | 6124  | 0.536 ug/l   | 94     |
| 17) 1,1-Dichloroethane        | 3.45 | 63  | 11698 | 0.520 ug/l   | 97     |
| 18) 2-Butanone                | 4.28 | 43  | 8753  | 2.899 ug/l   | 94     |
| 19) Cyclohexane               | 5.00 | 56  | 8393  | 0.432 ug/l # | 78     |
| 20) Methylcyclohexane         | 6.42 | 83  | 10674 | 0.538 ug/l   | 95     |
| 21) 2,2-Dichloropropane       | 4.23 | 77  | 12058 | 0.675 ug/l   | 98     |
| 22) cis-1,2-Dichloroethene    | 4.23 | 96  | 7986  | 0.646 ug/l   | 96     |
| 23) Diethyl Ether             | 2.11 | 59  | 4183  | 0.480 ug/l # | 88     |
| 24) tert-Butyl Alcohol        | 2.83 | 59  | 5464  | 8.309 ug/l # | 78     |
| 25) Methyl tert-Butyl Ether   | 3.00 | 73  | 15055 | 0.562 ug/l   | 96     |
| 26) Bromochloromethane        | 4.55 | 128 | 3609  | 0.738 ug/l   | 79     |
| 27) Chloroform                | 4.68 | 83  | 13580 | 0.641 ug/l   | 96     |
| 28) 1,1,1-Trichloroethane     | 4.92 | 97  | 11792 | 0.678 ug/l   | 96     |
| 29) 1,1-Dichloropropene       | 5.14 | 75  | 9261  | 0.543 ug/l   | 97     |
| 30) Carbon Tetrachloride      | 5.14 | 117 | 10942 | 0.748 ug/l   | 99     |
| 31) Isopropyl Ether           | 3.58 | 45  | 18855 | 0.496 ug/l   | 87     |
| 32) Ethyl-t-butyl ether       | 4.08 | 59  | 18388 | 0.566 ug/l   | 98     |
| 33) Tert-Amyl methyl ether    | 5.58 | 73  | 15476 | 0.563 ug/l   | 98     |
| 34) Propionitrile             | 4.34 | 54  | 2560  | 2.978 ug/l # | 83     |
| 35) Benzene                   | 5.39 | 78  | 26949 | 0.531 ug/l   | 99     |
| 36) 1,2-Dichloroethane        | 5.41 | 62  | 8034  | 0.560 ug/l   | 95     |
| 37) Trichloroethene           | 6.19 | 130 | 8303  | 0.610 ug/l   | 93     |
| 38) 1,2-Dichloropropane       | 6.44 | 63  | 6919  | 0.497 ug/l   | 97     |
| 39) Methacrylonitrile         | 4.55 | 41  | 2262  | 0.515 ug/l   | 91     |
| 40) Methyl acrylate           | 4.44 | 55  | 3356  | 0.550 ug/l # | 89     |
| 41) Tetrahydrofuran           | 4.65 | 42  | 3183  | 1.405 ug/l # | 74     |
| 42) 1-Chlorobutane            | 5.07 | 56  | 13324 | 0.539 ug/l   | 97     |
| 43) Dibromomethane            | 6.56 | 93  | 3655  | 0.611 ug/l   | 96     |
| 44) Bromodichloromethane      | 6.76 | 83  | 9323  | 0.620 ug/l   | 98     |

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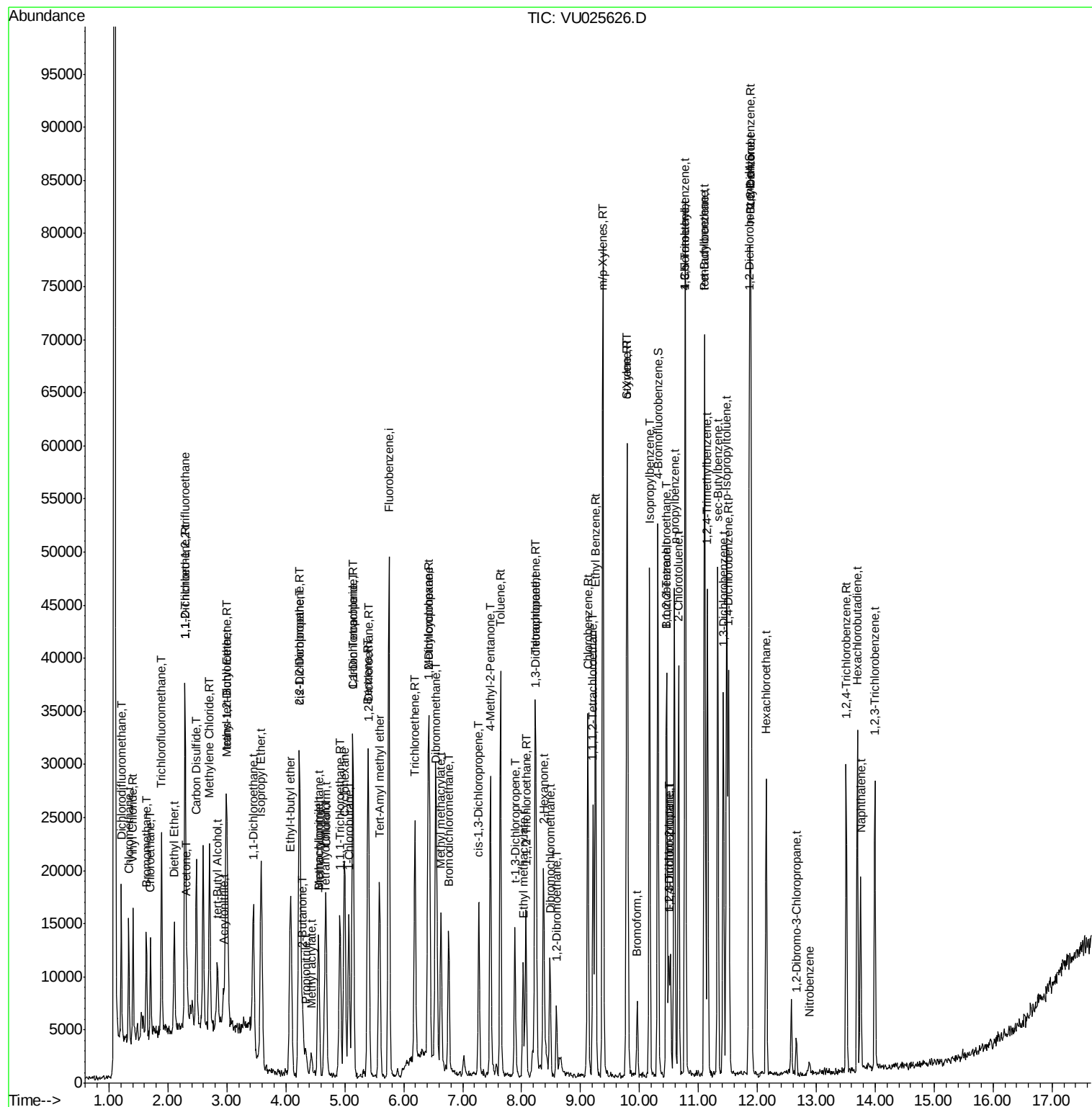
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone       | 7.47  | 43   | 19612    | 2.774 | ug/l   | 100      |
| 46) t-1,4-Dichloro-2-butene    | 10.50 | 75   | 4471     | 2.139 | ug/l # | 55       |
| 47) Methyl methacrylate        | 6.63  | 69   | 6005     | 1.108 | ug/l # | 91       |
| 48) Ethyl methacrylate         | 8.03  | 69   | 5479     | 0.578 | ug/l   | 93       |
| 49) Toluene                    | 7.64  | 92   | 15943    | 0.544 | ug/l   | 99       |
| 50) t-1,3-Dichloropropene      | 7.89  | 75   | 8006     | 0.624 | ug/l   | 99       |
| 51) cis-1,3-Dichloropropene    | 7.27  | 75   | 9502     | 0.569 | ug/l   | 97       |
| 52) 1,1,2-Trichloroethane      | 8.07  | 97   | 4953     | 0.582 | ug/l   | 88       |
| 53) 1,3-Dichloropropane        | 8.25  | 76   | 7795     | 0.515 | ug/l   | 96       |
| 54) 2-Hexanone                 | 8.37  | 43   | 14219    | 2.952 | ug/l   | 94       |
| 55) Dibromochloromethane       | 8.48  | 129  | 5942     | 0.637 | ug/l   | 99       |
| 56) 1,2-Dibromoethane          | 8.59  | 107  | 4392     | 0.599 | ug/l   | 93       |
| 58) Tetrachloroethene          | 8.23  | 164  | 6557     | 0.528 | ug/l   | 96       |
| 59) Chlorobenzene              | 9.12  | 112  | 18625    | 0.594 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 7124     | 0.669 | ug/l   | 96       |
| 61) Pentachloroethane          | 11.11 | 117  | 5201     | 0.688 | ug/l   | 98       |
| 62) Hexachloroethane           | 12.15 | 117  | 5105     | 0.704 | ug/l   | 96       |
| 63) Ethyl Benzene              | 9.25  | 91   | 28815    | 0.553 | ug/l   | 94       |
| 64) m/p-Xylenes                | 9.38  | 106  | 22903    | 1.139 | ug/l   | 99       |
| 65) o-Xylene                   | 9.78  | 106  | 10858    | 0.561 | ug/l   | 99       |
| 66) Styrene                    | 9.80  | 104  | 17858    | 0.559 | ug/l   | 100      |
| 67) Bromoform                  | 9.96  | 173  | 3761     | 0.772 | ug/l # | 86       |
| 69) Isopropylbenzene           | 10.17 | 105  | 29758    | 0.597 | ug/l   | 98       |
| 70) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 6324     | 0.659 | ug/l   | 95       |
| 71) 1,2,3-Trichloropropane     | 10.50 | 75   | 4471     | 0.651 | ug/l # | 94       |
| 72) Bromobenzene               | 10.46 | 156  | 8075     | 0.651 | ug/l   | 96       |
| 73) n-propylbenzene            | 10.59 | 120  | 8055     | 0.584 | ug/l   | 95       |
| 74) 2-Chlorotoluene            | 10.66 | 126  | 7250     | 0.595 | ug/l   | 95       |
| 75) 1,3,5-Trimethylbenzene     | 10.78 | 105  | 24428    | 0.582 | ug/l   | 99       |
| 76) 4-Chlorotoluene            | 10.78 | 126  | 7815     | 0.619 | ug/l   | 80       |
| 77) tert-Butylbenzene          | 11.10 | 119  | 25290    | 0.643 | ug/l   | 98       |
| 78) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 25461    | 0.600 | ug/l   | 100      |
| 79) sec-Butylbenzene           | 11.33 | 105  | 31965    | 0.580 | ug/l   | 96       |
| 80) Nitrobenzene               | 12.87 | 77   | 687      | 2.062 | ug/l # | 71       |
| 81) p-Isopropyltoluene         | 11.48 | 119  | 26406    | 0.583 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene        | 11.42 | 146  | 15925    | 0.643 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene        | 11.51 | 146  | 14958    | 0.605 | ug/l   | 97       |
| 84) n-Butylbenzene             | 11.90 | 91   | 24863    | 0.562 | ug/l   | 100      |
| 85) 1,2-Dichlorobenzene        | 11.88 | 146  | 14731    | 0.659 | ug/l   | 97       |
| 86) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 832      | 0.614 | ug/l # | 66       |
| 87) 1,2,4-Trichlorobenzene     | 13.51 | 180  | 9389     | 0.580 | ug/l   | 99       |
| 88) Hexachlorobutadiene        | 13.70 | 225  | 5883     | 0.600 | ug/l   | 93       |
| 89) Naphthalene                | 13.75 | 128  | 15103    | 0.620 | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 8778     | 0.578 | ug/l   | 99       |

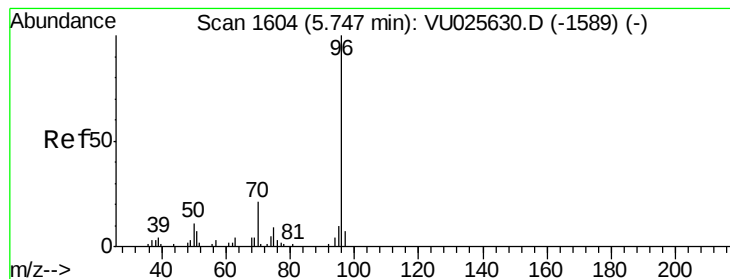
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 45143

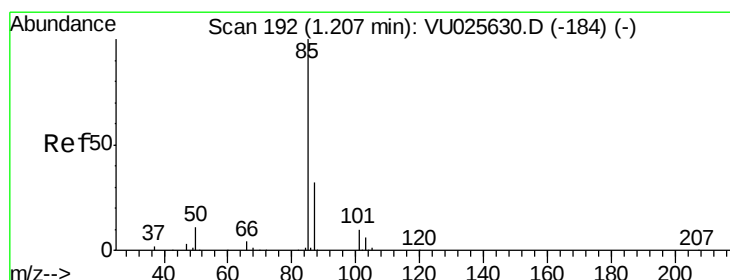
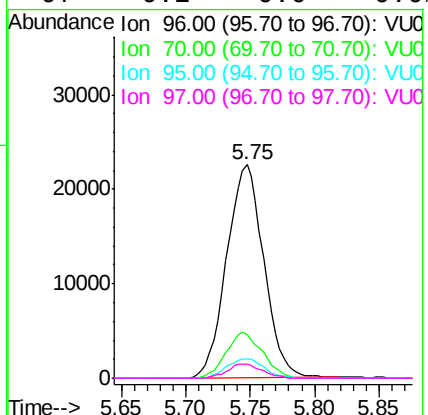
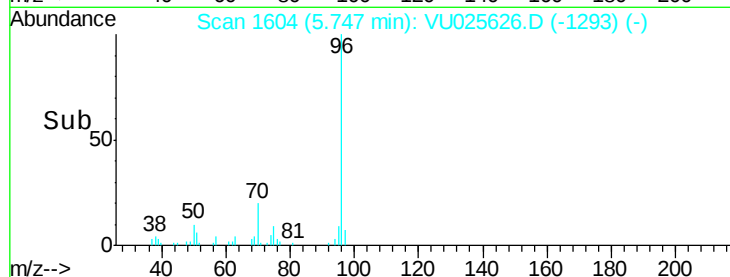
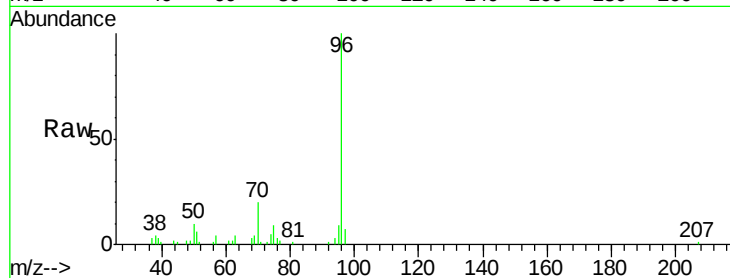
Ion Ratio Lower Upper

96 100

70 20.9 16.2 24.4

95 9.2 6.9 10.3

97 6.2 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.600 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025626.D

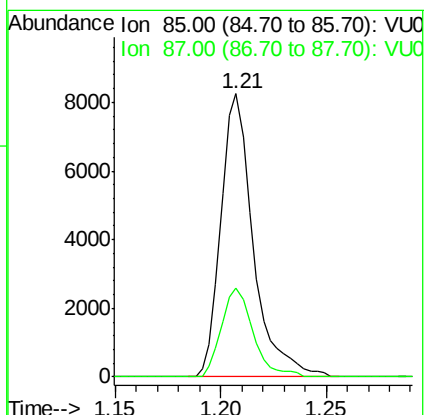
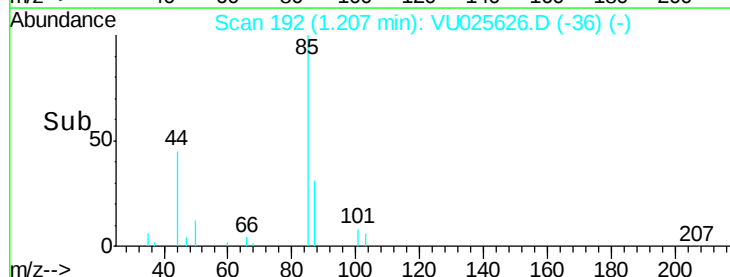
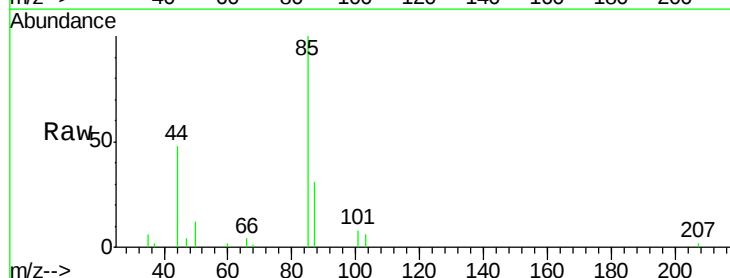
Acq: 25 Jul 2018 09:49

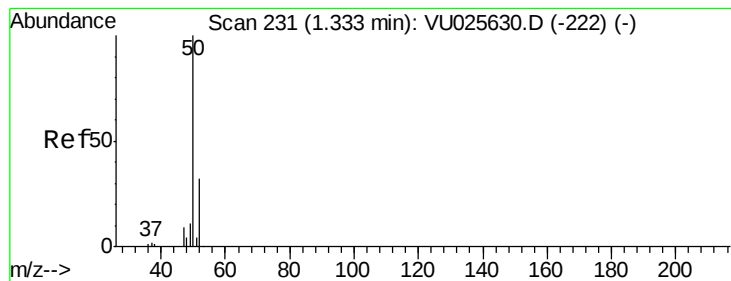
Tgt Ion: 85 Resp: 8794

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5





#3

Chloromethane

Concen: 0.495 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

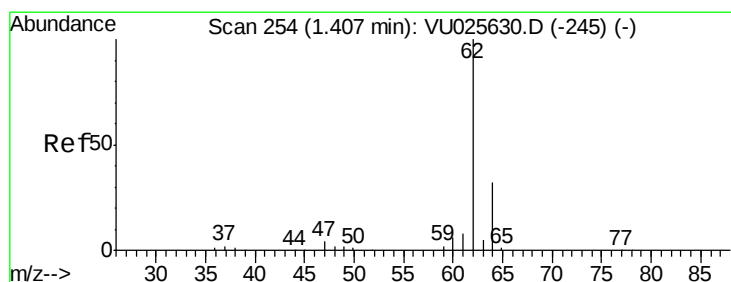
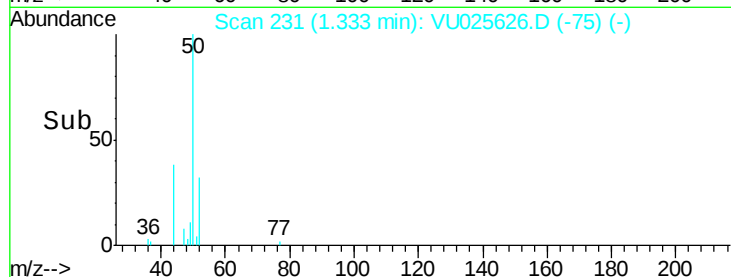
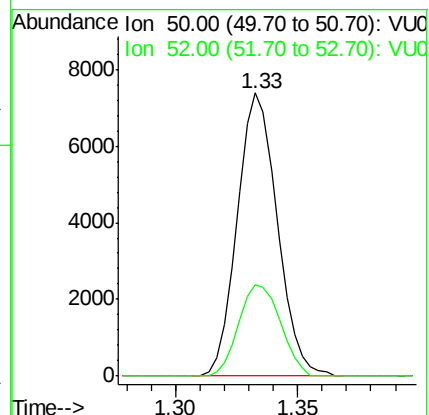
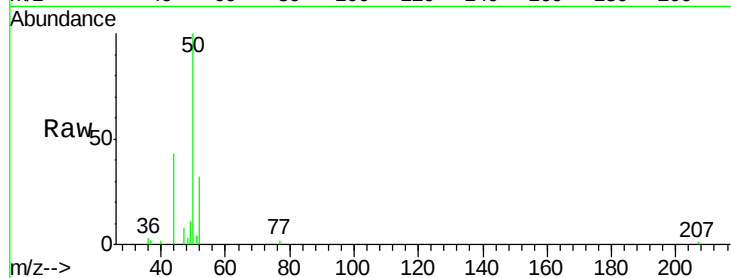
VSTDIC0.5

Tgt Ion: 50 Resp: 8409

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



#4

Vinyl Chloride

Concen: 0.458 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025626.D

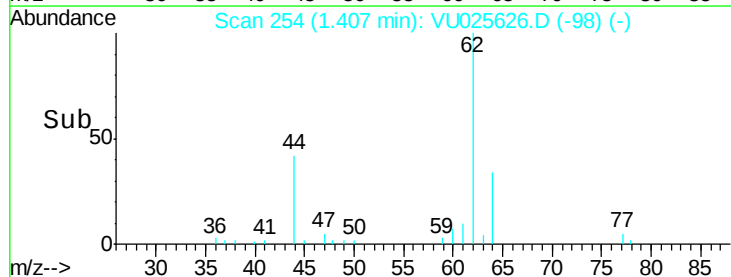
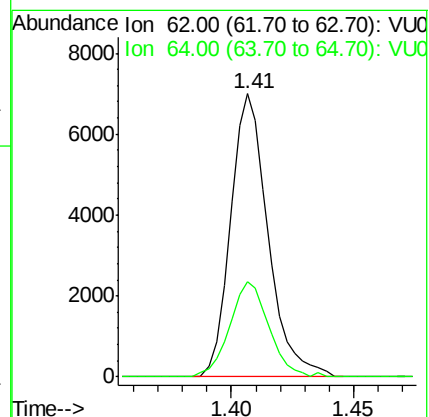
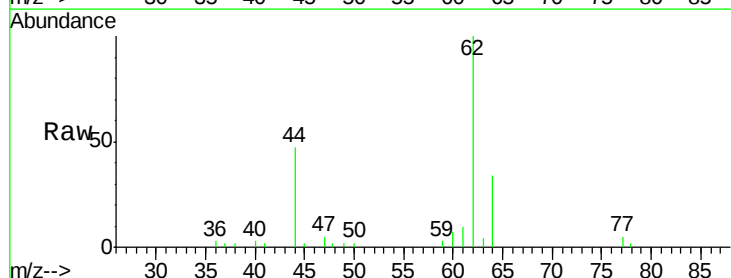
Acq: 25 Jul 2018 09:49

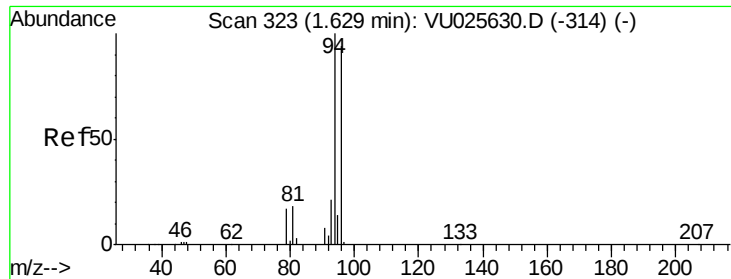
Tgt Ion: 62 Resp: 7458

Ion Ratio Lower Upper

62 100

64 33.6 25.8 38.8





#5

Bromomethane

Concen: 0.446 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

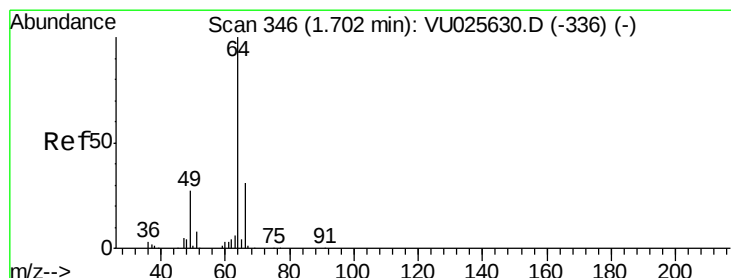
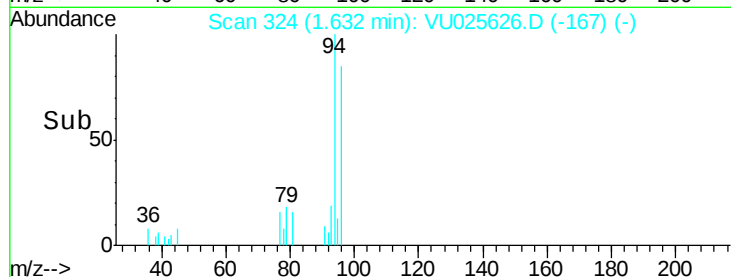
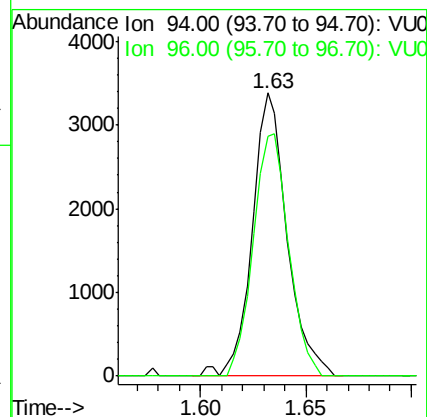
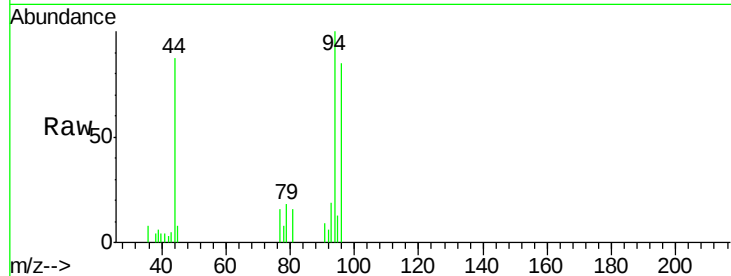
VSTDIC0.5

Tgt Ion: 94 Resp: 3885

Ion Ratio Lower Upper

94 100

96 84.9 75.1 112.7



#6

Chloroethane

Concen: 0.517 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025626.D

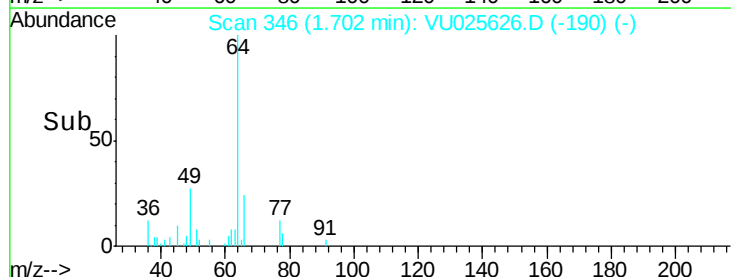
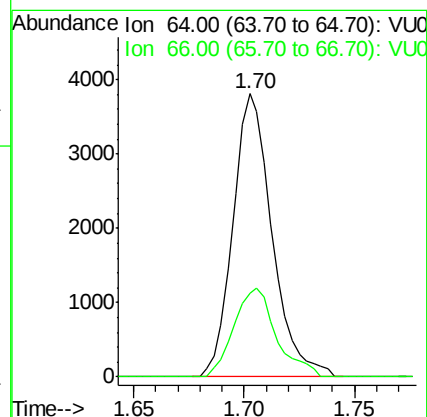
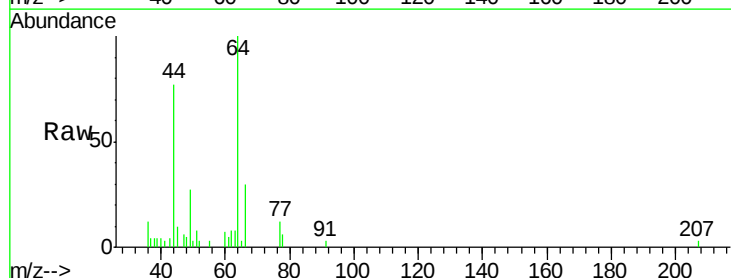
Acq: 25 Jul 2018 09:49

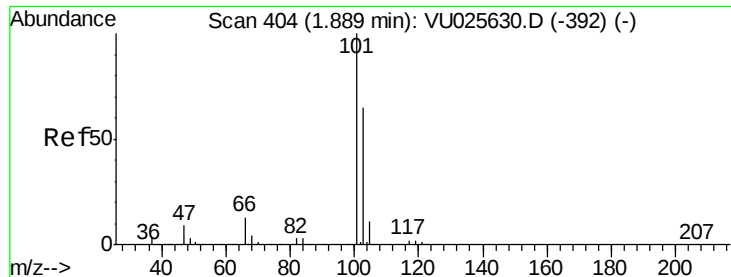
Tgt Ion: 64 Resp: 4685

Ion Ratio Lower Upper

64 100

66 29.5 24.9 37.3



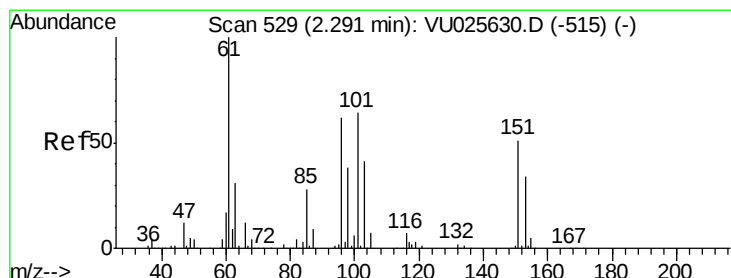
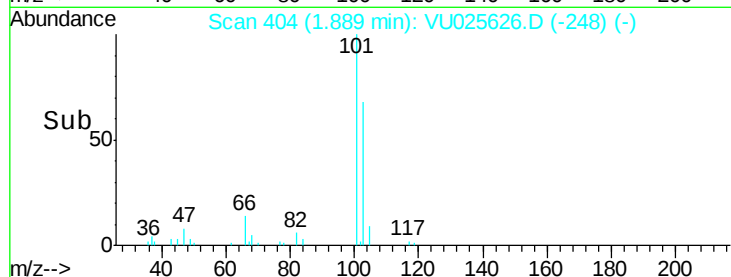
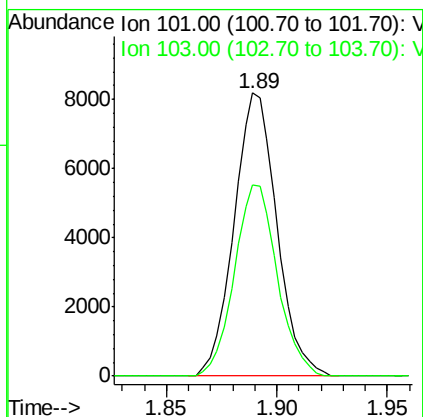
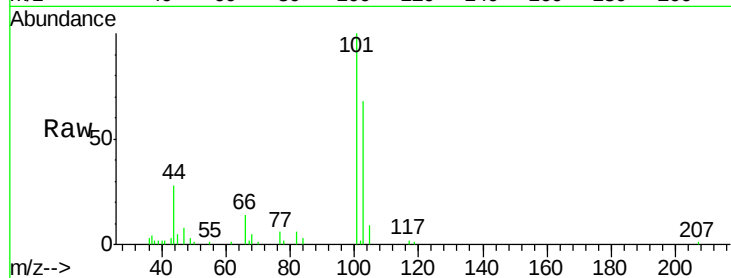


#7

Trichlorofluoromethane  
Concen: 0.590 ug/l  
RT: 1.89 min Scan# 404  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

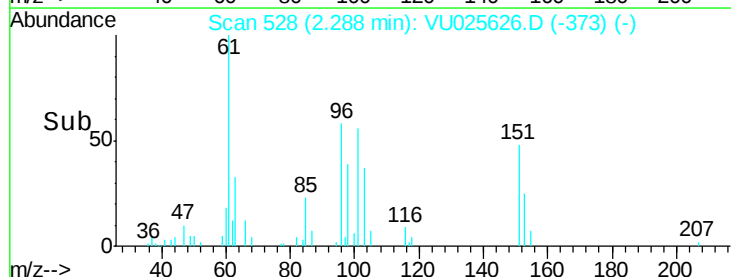
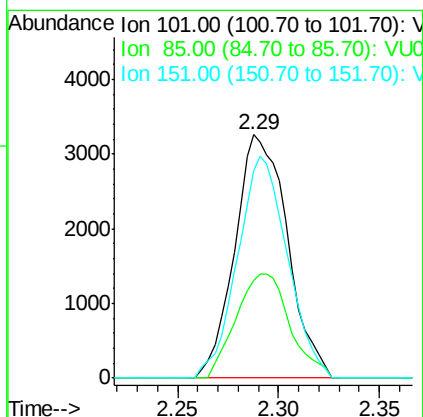
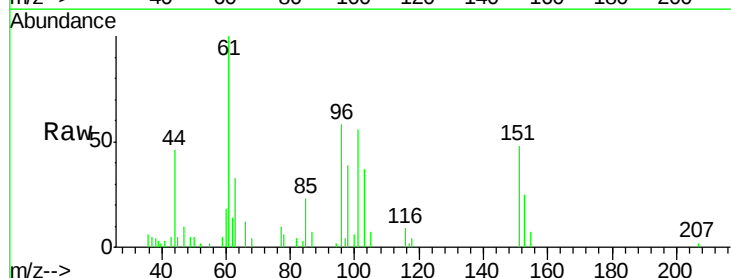
Tgt Ion:101 Resp: 11043  
Ion Ratio Lower Upper  
101 100  
103 67.6 51.4 77.0

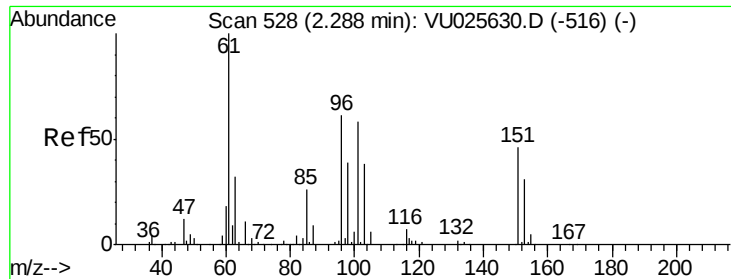


#8

1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.518 ug/l  
RT: 2.29 min Scan# 528  
Delta R.T. -0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Tgt Ion:101 Resp: 5955  
Ion Ratio Lower Upper  
101 100  
85 43.7 35.2 52.8  
151 86.4 63.5 95.3





#9

1,1-Dichloroethene

Concen: 0.517 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

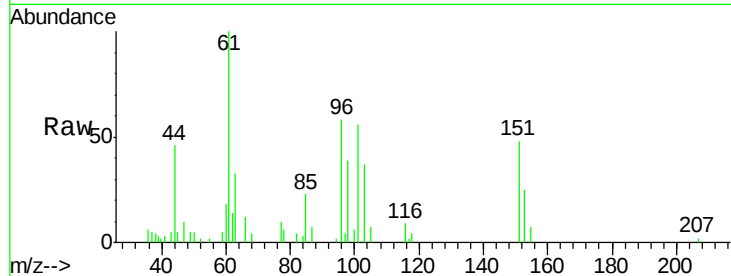
Tgt Ion: 96 Resp: 5518

Ion Ratio Lower Upper

96 100

61 171.1 0.0 526.5

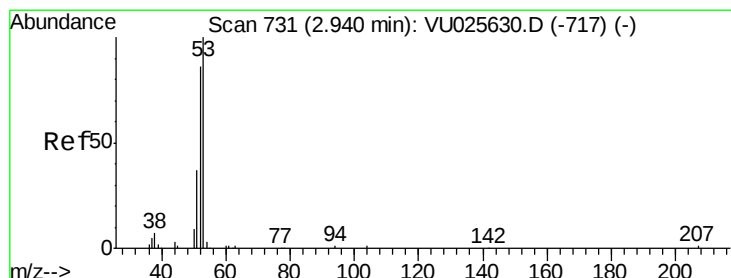
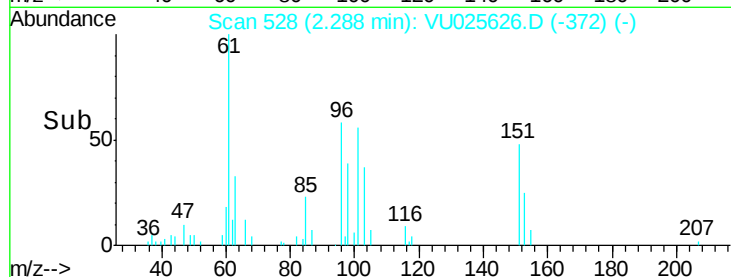
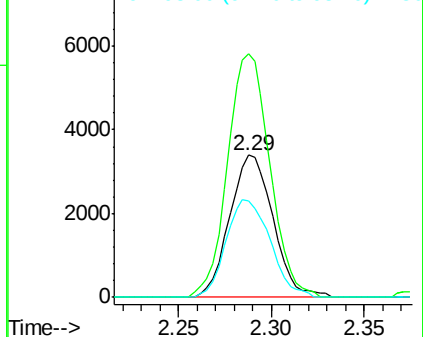
98 67.5 0.0 123.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#12

Acrylonitrile

Concen: 1.190 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

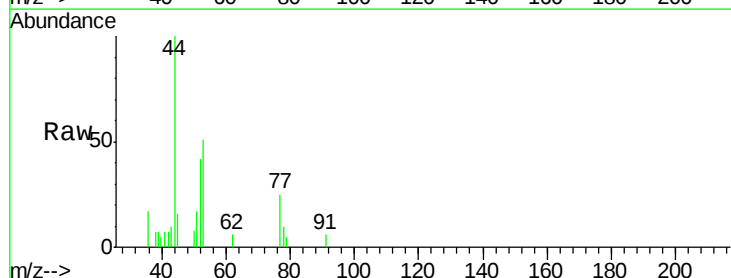
Tgt Ion: 53 Resp: 2619

Ion Ratio Lower Upper

53 100

52 77.8 65.1 97.7

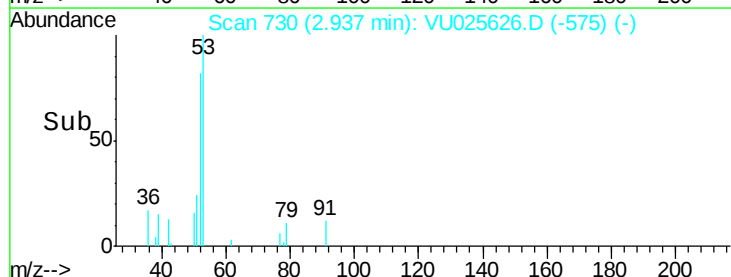
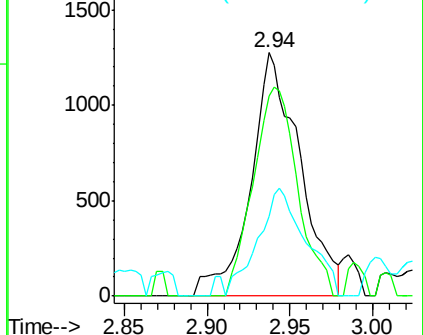
51 43.3 30.2 45.4

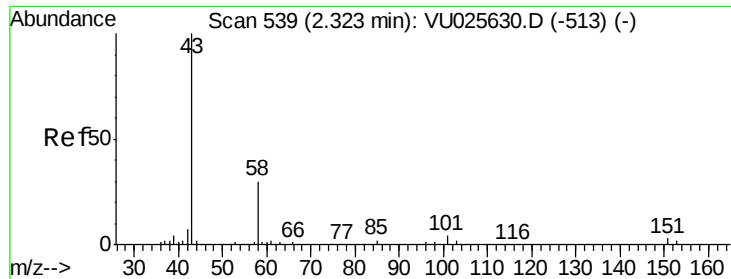


Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0





#13

Acetone

Concen: 3.410 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

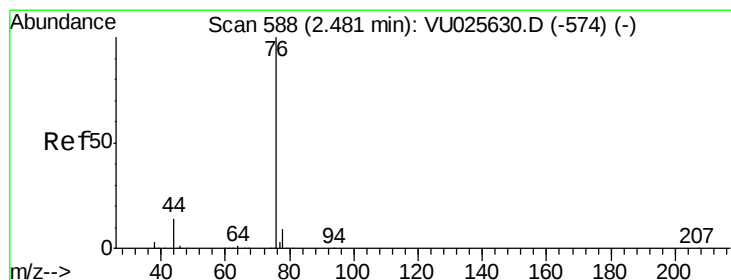
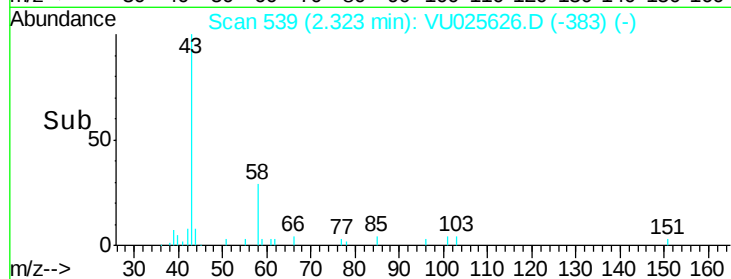
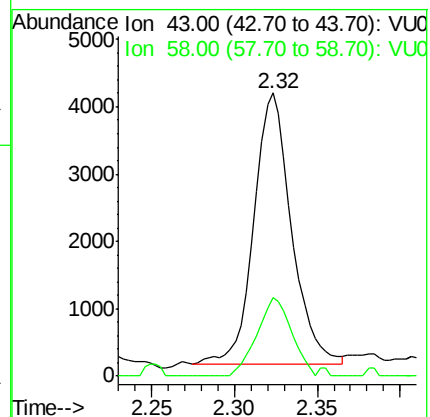
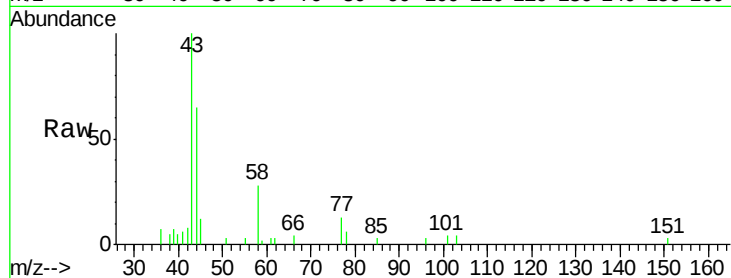
VSTDIC0.5

Tgt Ion: 43 Resp: 6371

Ion Ratio Lower Upper

43 100

58 29.0 26.0 39.0



#14

Carbon Disulfide

Concen: 0.555 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025626.D

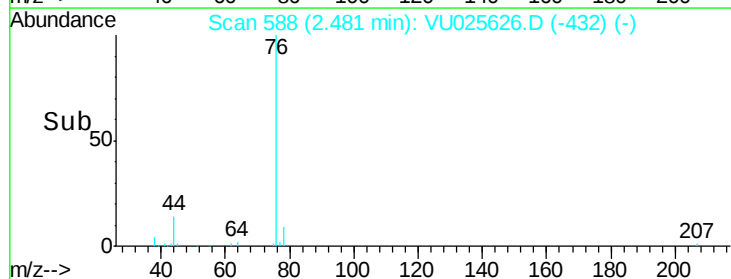
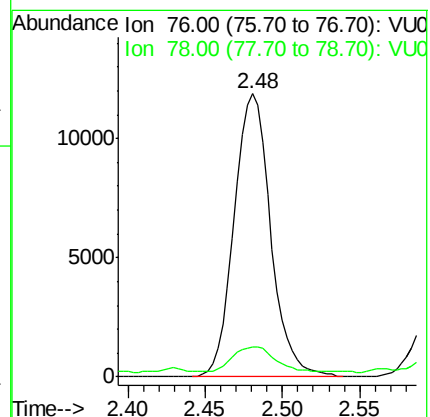
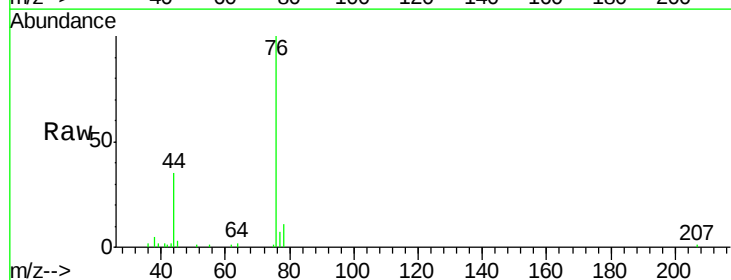
Acq: 25 Jul 2018 09:49

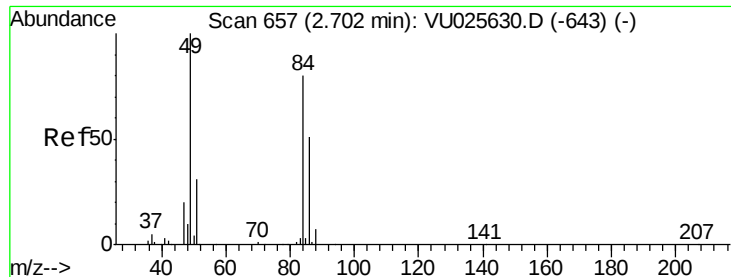
Tgt Ion: 76 Resp: 19464

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

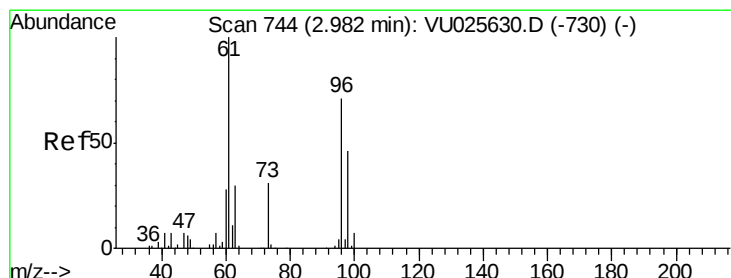
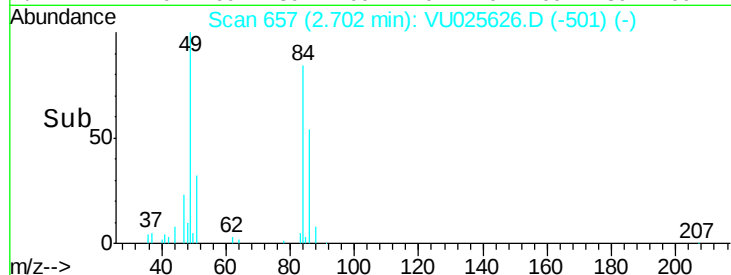
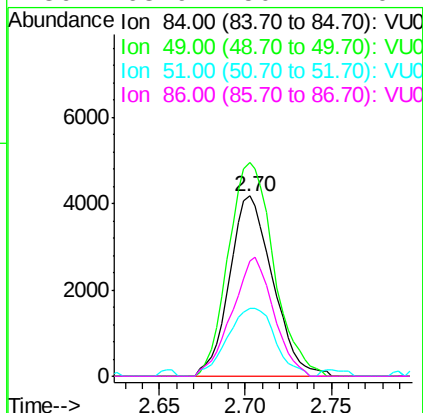
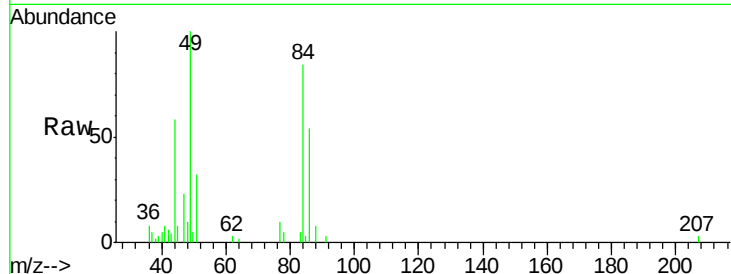




#15  
Methylene Chloride  
Concen: 0.600 ug/l  
RT: 2.70 min Scan# 657  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

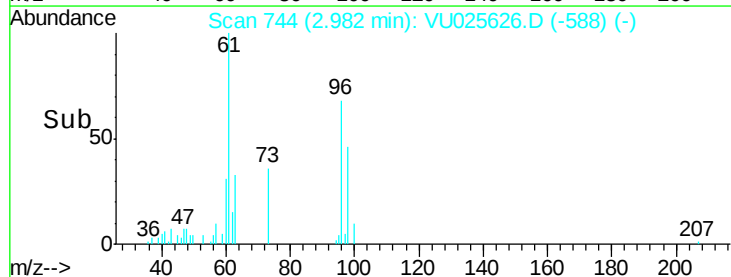
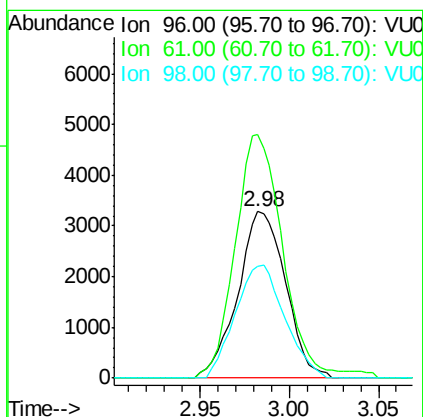
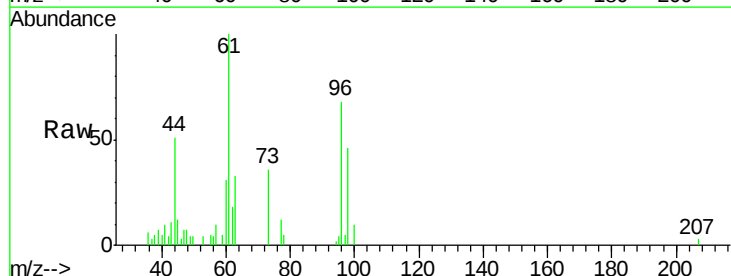
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

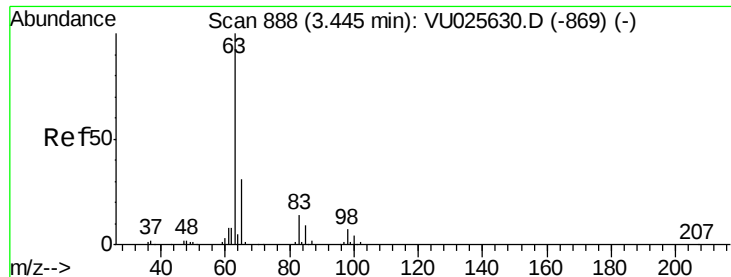
Tgt Ion: 84 Resp: 7290  
Ion Ratio Lower Upper  
84 100  
49 118.6 108.7 163.1  
51 37.6 0.0 82.4  
86 63.9 50.7 76.1



#16  
trans-1,2-Dichloroethene  
Concen: 0.536 ug/l  
RT: 2.98 min Scan# 744  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Tgt Ion: 96 Resp: 6124  
Ion Ratio Lower Upper  
96 100  
61 146.3 123.9 185.9  
98 67.4 50.6 76.0





#17

1,1-Dichloroethane

Concen: 0.520 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

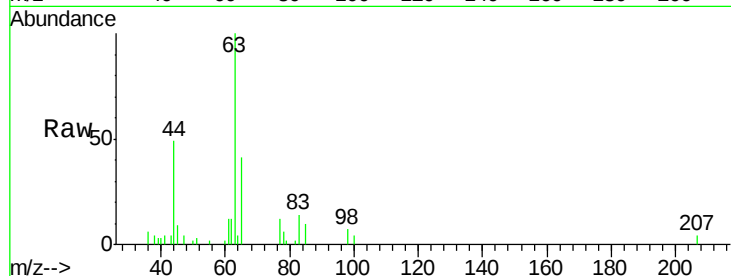
Tgt Ion: 63 Resp: 11698

Ion Ratio Lower Upper

63 100

98 7.3 2.9 8.8

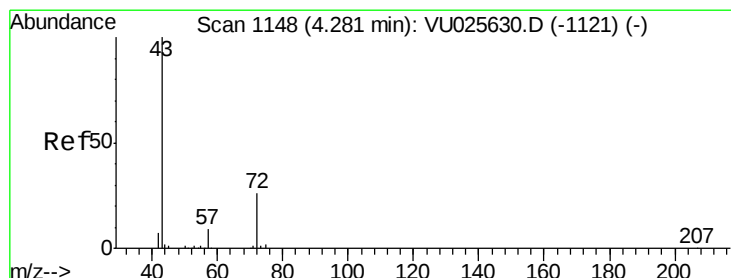
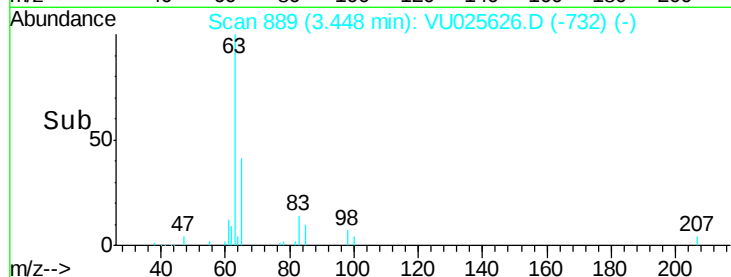
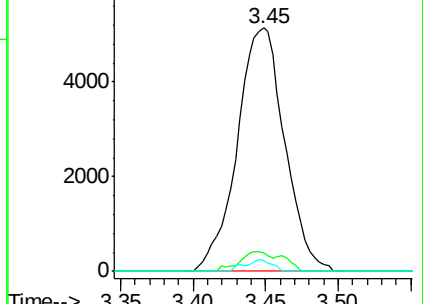
100 4.5 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VU025630.D (-869) (-)

Ion 98.00 (97.70 to 98.70): VU025630.D (-869) (-)

Ion 100.00 (99.70 to 100.70): VU025630.D (-869) (-)



#18

2-Butanone

Concen: 2.899 ug/l

RT: 4.28 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VU025626.D

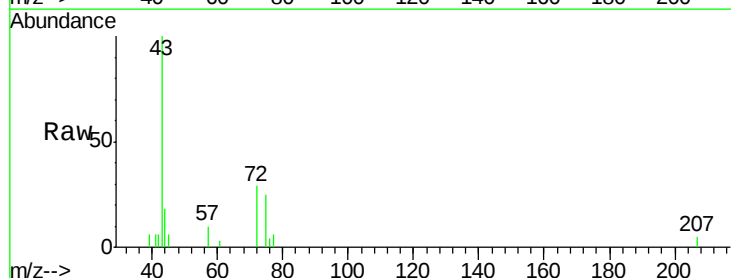
Acq: 25 Jul 2018 09:49

Tgt Ion: 43 Resp: 8753

Ion Ratio Lower Upper

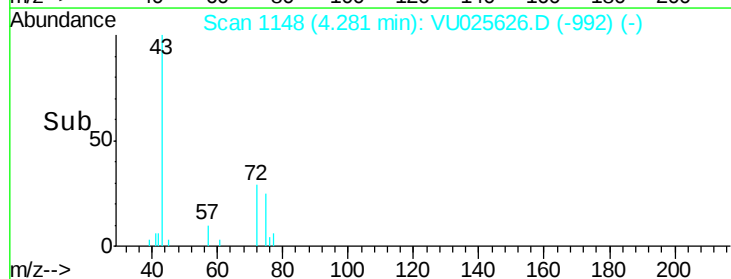
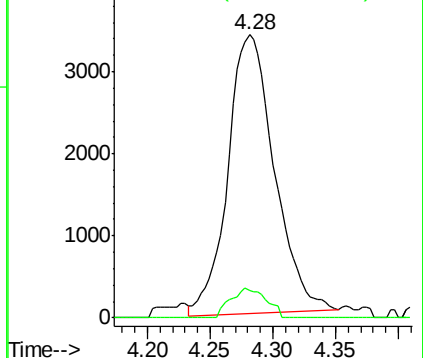
43 100

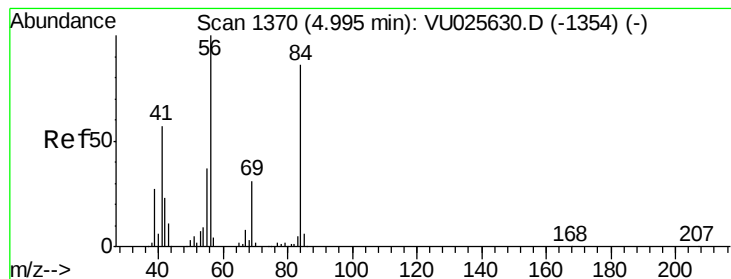
57 10.0 0.0 15.8



Abundance Ion 43.00 (42.70 to 43.70): VU025630.D (-1121) (-)

Ion 57.00 (56.70 to 57.70): VU025630.D (-1121) (-)





#19

Cyclohexane

Concen: 0.432 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

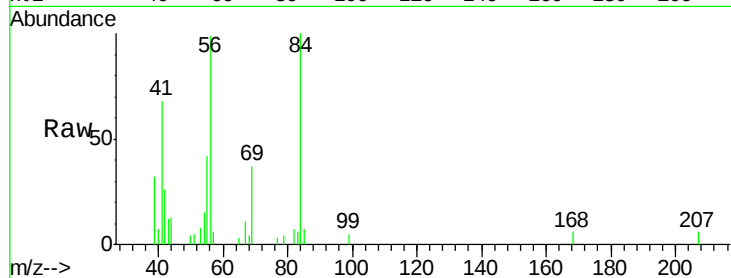
Tgt Ion: 56 Resp: 8393

Ion Ratio Lower Upper

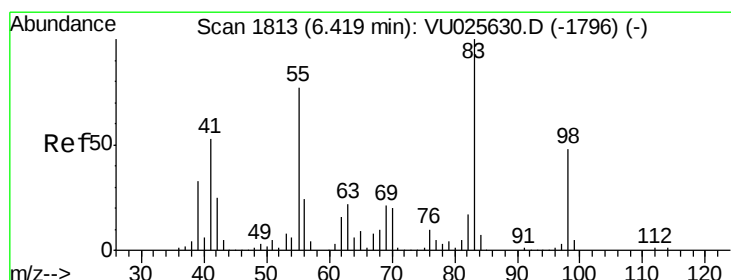
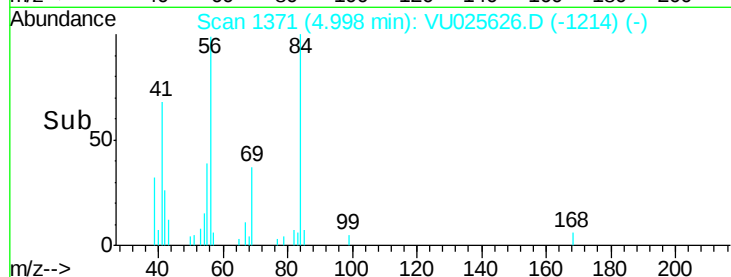
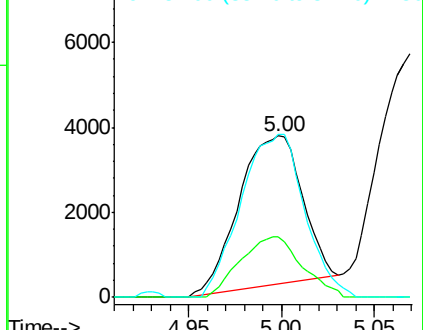
56 100

69 39.3 26.0 39.0#

84 109.4 68.3 102.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 69.00 (68.70 to 69.70): VU0  
Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 0.538 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

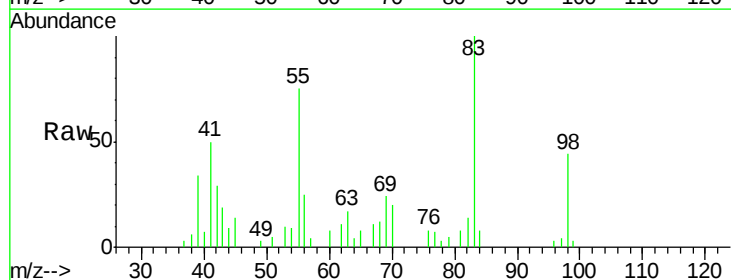
Tgt Ion: 83 Resp: 10674

Ion Ratio Lower Upper

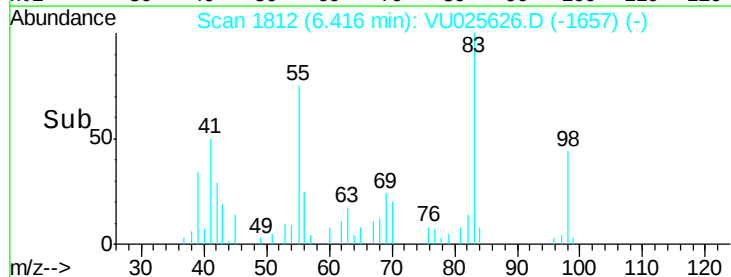
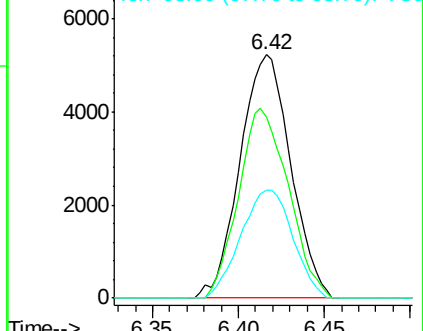
83 100

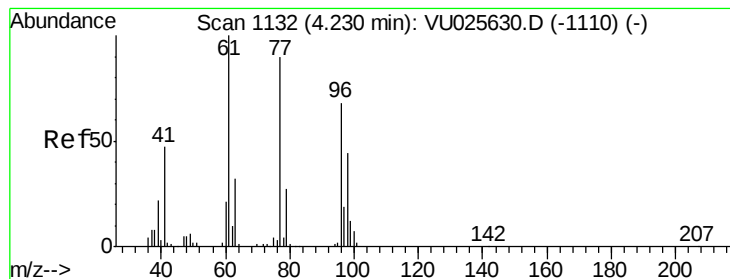
55 76.6 66.4 99.6

98 45.6 35.4 53.2



Abundance Ion 83.00 (82.70 to 83.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0





#21

2,2-Dichloropropane

Concen: 0.675 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

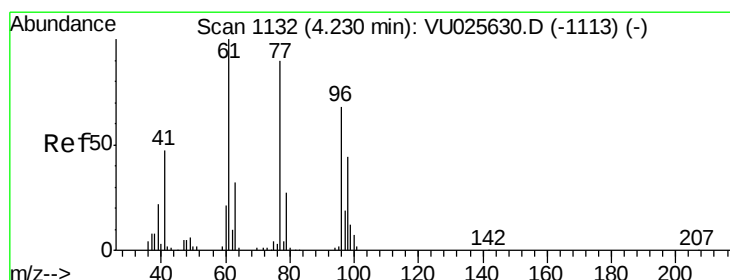
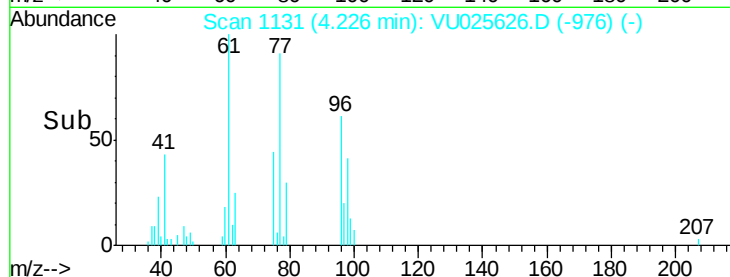
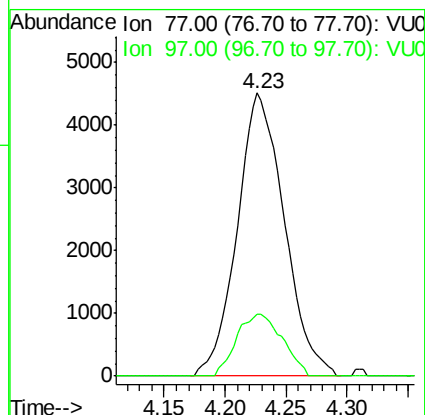
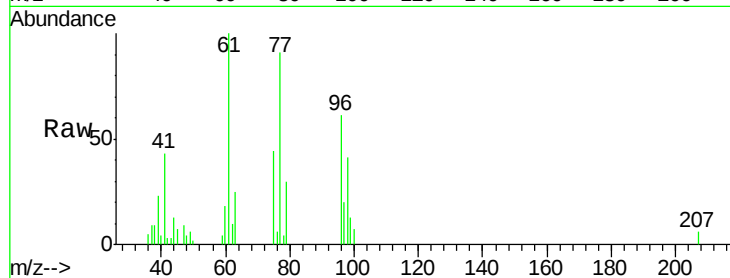
VSTDIC0.5

Tgt Ion: 77 Resp: 12058

Ion Ratio Lower Upper

77 100

97 21.3 17.9 26.9



#22

cis-1,2-Dichloroethene

Concen: 0.646 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

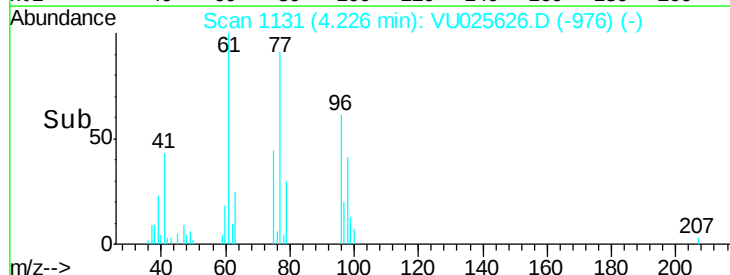
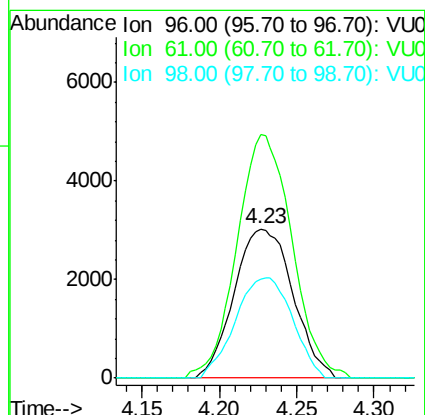
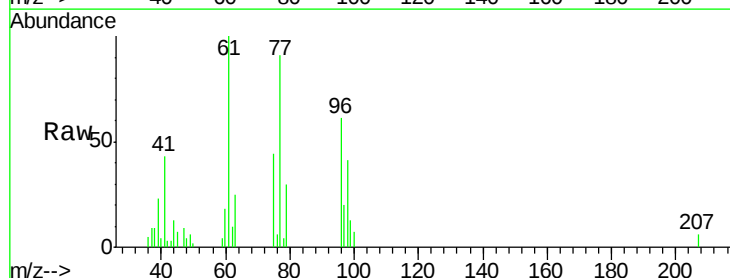
Tgt Ion: 96 Resp: 7986

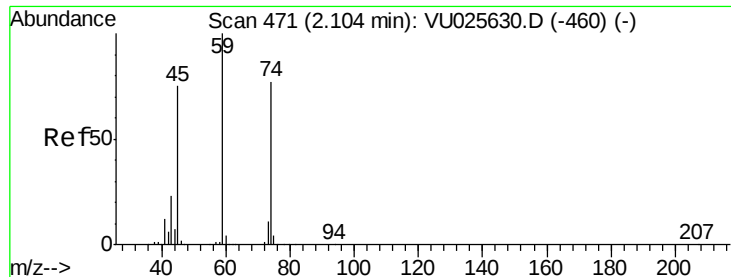
Ion Ratio Lower Upper

96 100

61 152.7 0.0 400.5

98 65.3 32.2 96.6

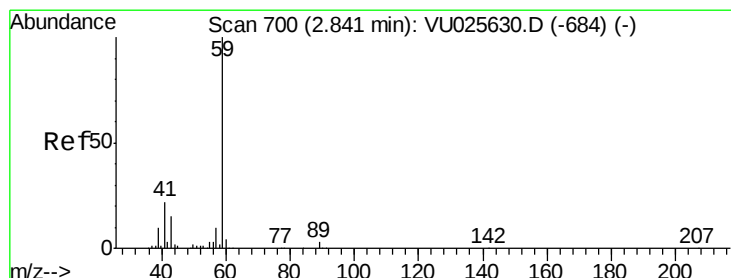
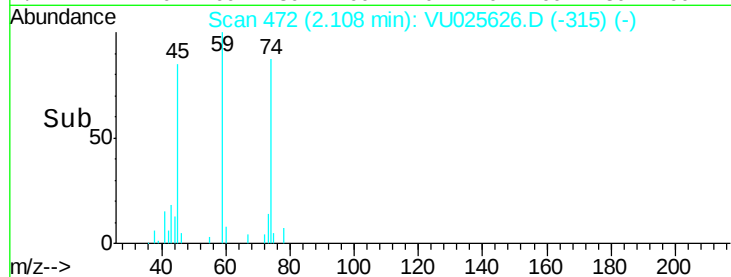
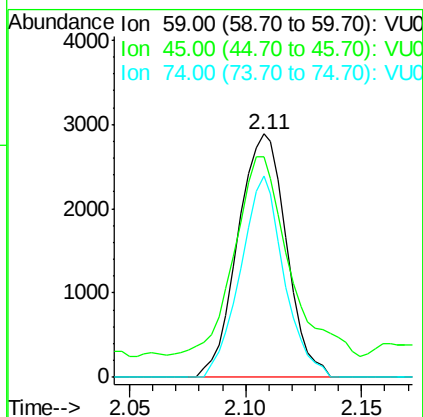
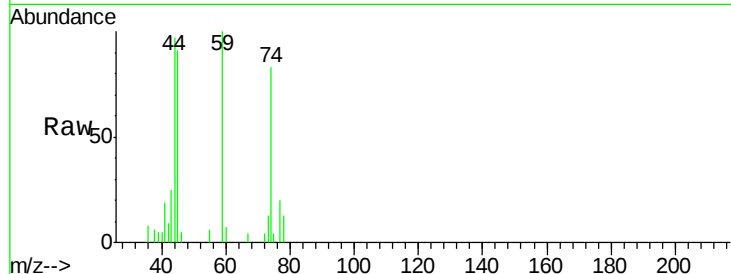




#23  
Diethyl Ether  
Concen: 0.480 ug/l  
RT: 2.11 min Scan# 472  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

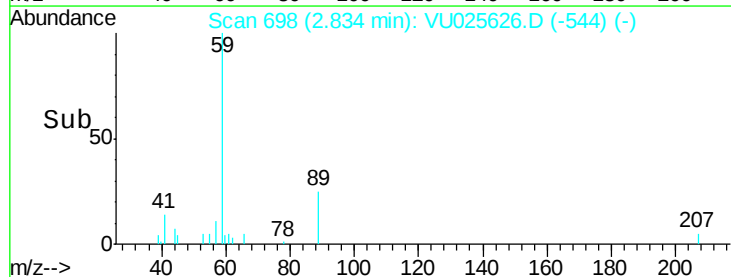
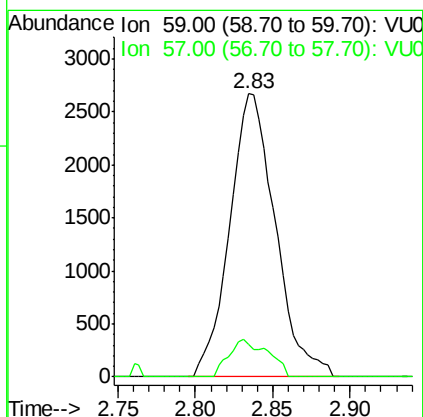
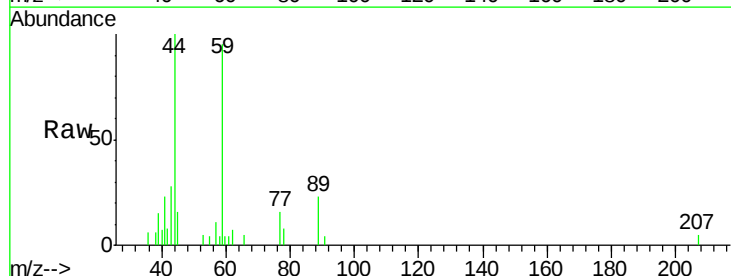
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

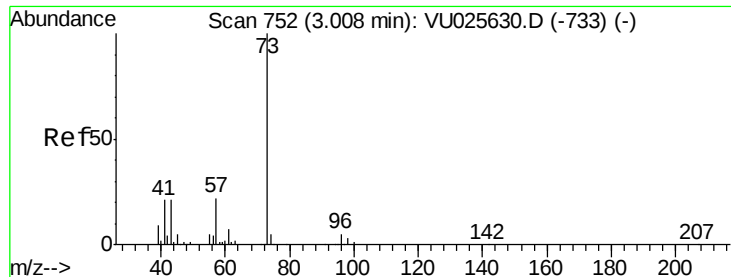
Tgt Ion: 59 Resp: 4183  
Ion Ratio Lower Upper  
59 100  
45 91.3 60.0 90.0#  
74 74.5 56.5 84.7



#24  
tert-Butyl Alcohol  
Concen: 8.309 ug/l  
RT: 2.83 min Scan# 698  
Delta R.T. -0.01 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Tgt Ion: 59 Resp: 5464  
Ion Ratio Lower Upper  
59 100  
57 11.4 3.4 5.2#





#25

Methyl tert-Butyl Ether

Concen: 0.562 ug/l

RT: 3.00 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

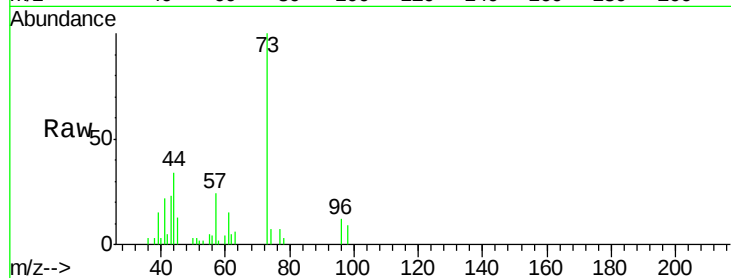
VSTDIC0.5

Tgt Ion: 73 Resp: 15055

Ion Ratio Lower Upper

73 100

43 22.0 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VU025630.D (-733) (-)

Ion 43.00 (42.70 to 43.70): VU025630.D (-733) (-)

3.00

6000

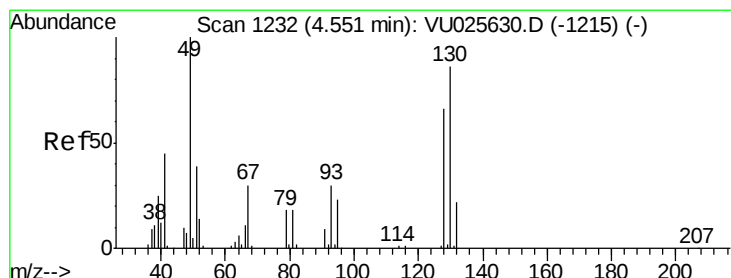
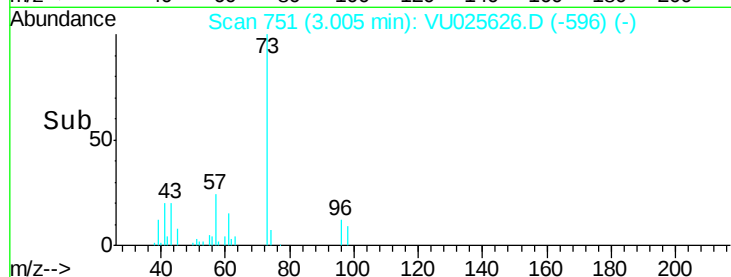
4000

2000

0

Time-->

2.95 3.00 3.05 3.10



#26

Bromochloromethane

Concen: 0.738 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

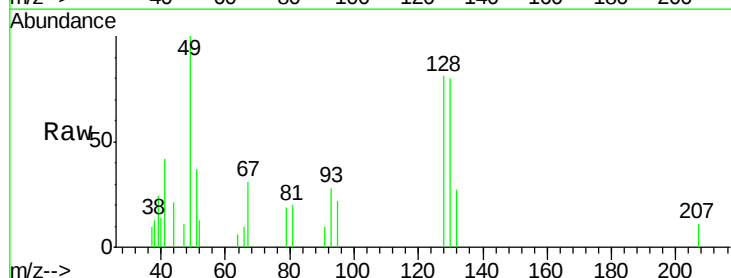
Tgt Ion: 128 Resp: 3609

Ion Ratio Lower Upper

128 100

49 142.8 0.0 375.2

130 124.3 105.8 158.6



Abundance Ion 128.00 (127.70 to 128.70): VU025630.D (-1215) (-)

Ion 49.00 (48.70 to 49.70): VU025630.D (-1215) (-)

Ion 130.00 (129.70 to 130.70): VU025630.D (-1215) (-)

4.55

3000

2500

2000

1500

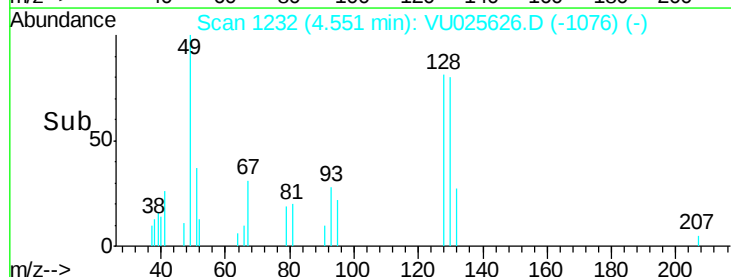
1000

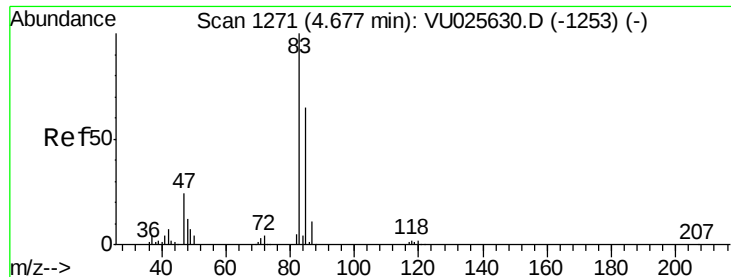
500

0

Time-->

4.50 4.55 4.60





#27

Chloroform

Concen: 0.641 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

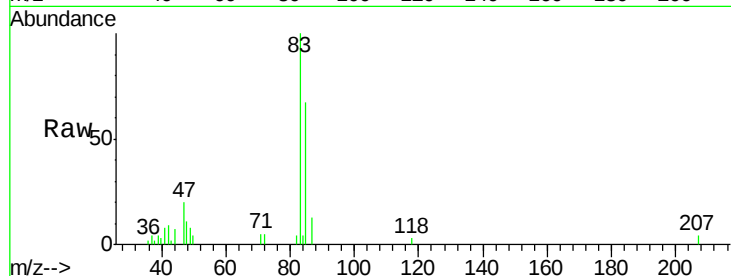
VSTDIC0.5

Tgt Ion: 83 Resp: 13580

Ion Ratio Lower Upper

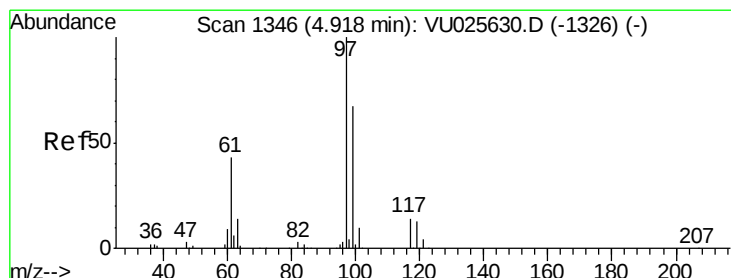
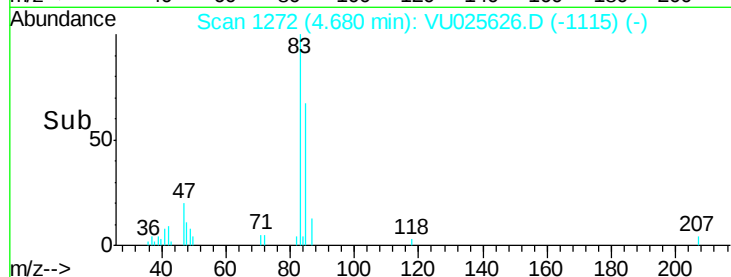
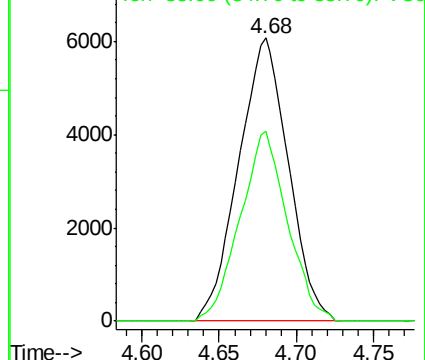
83 100

85 67.2 0.0 128.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 0.678 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

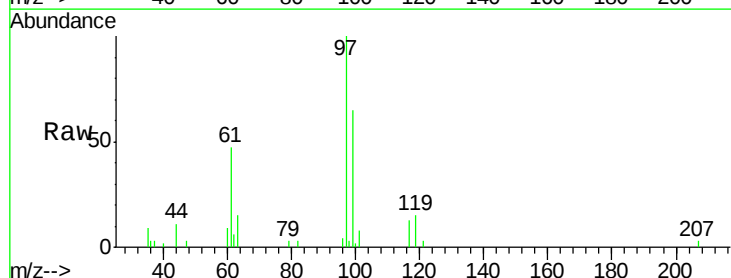
Tgt Ion: 97 Resp: 11792

Ion Ratio Lower Upper

97 100

99 62.4 32.3 96.9

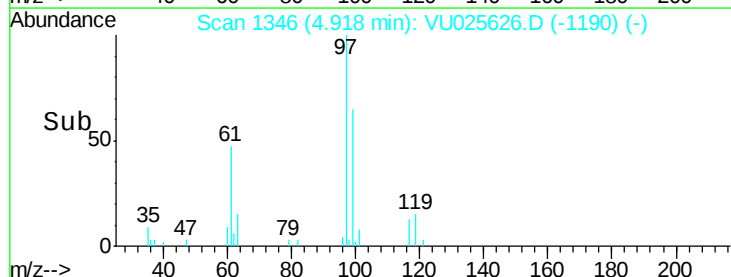
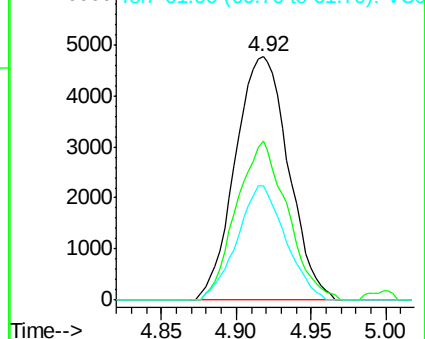
61 42.7 23.2 69.5

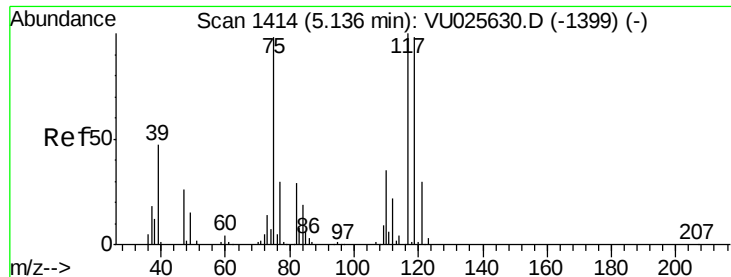


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

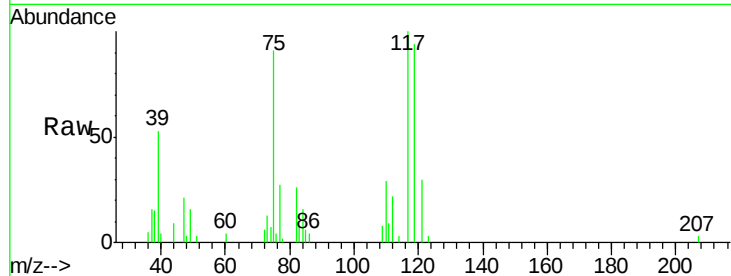




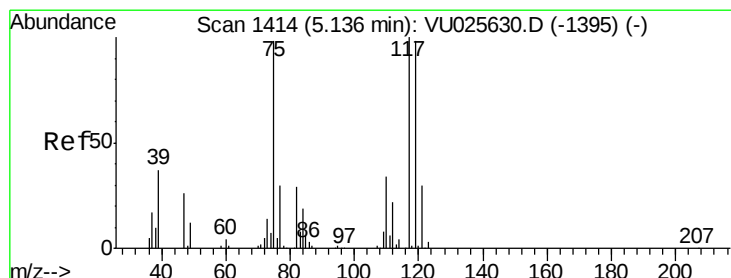
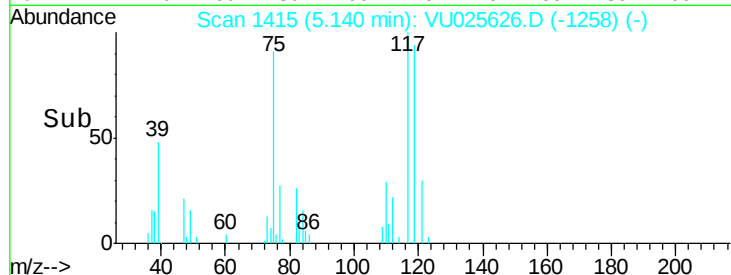
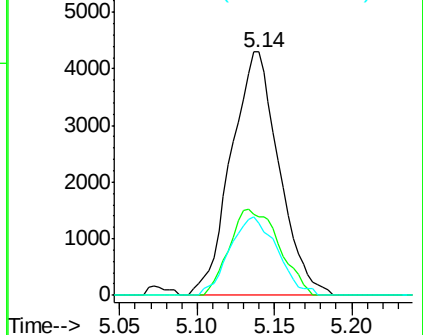
#29  
 1,1-Dichloropropene  
 Concen: 0.543 ug/l  
 RT: 5.14 min Scan# 1415  
 Delta R.T. 0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion: 75 Resp: 9261  
 Ion Ratio Lower Upper  
 75 100  
 110 36.6 16.9 50.7  
 77 31.9 24.8 37.2

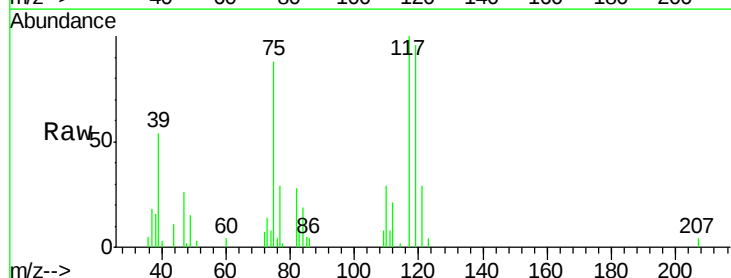


Abundance Ion 75.00 (74.70 to 75.70): VU0  
 Ion 110.00 (109.70 to 110.70): V  
 Ion 77.00 (76.70 to 77.70): VU0

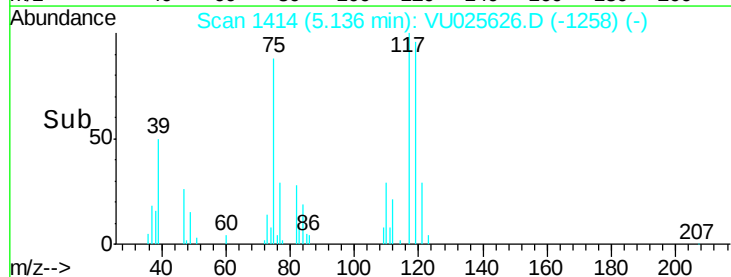
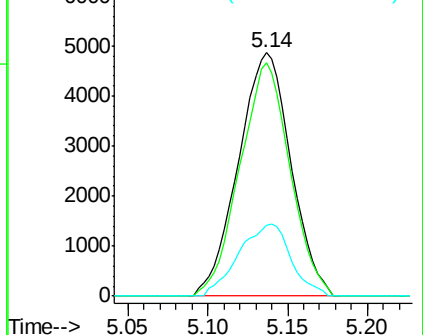


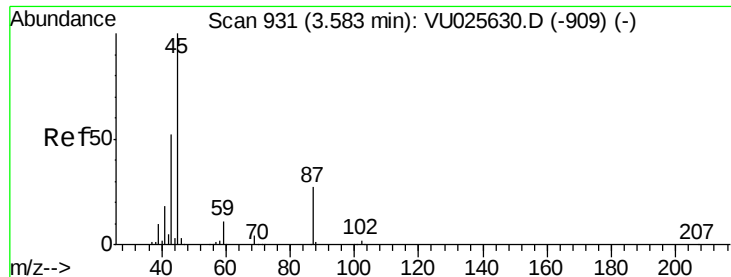
#30  
 Carbon Tetrachloride  
 Concen: 0.748 ug/l  
 RT: 5.14 min Scan# 1414  
 Delta R.T. 0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

Tgt Ion: 117 Resp: 10942  
 Ion Ratio Lower Upper  
 117 100  
 119 96.1 77.3 115.9  
 121 29.0 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V  
 Ion 119.00 (118.70 to 119.70): V  
 Ion 121.00 (120.70 to 121.70): V





#31

Isopropyl Ether

Concen: 0.496 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

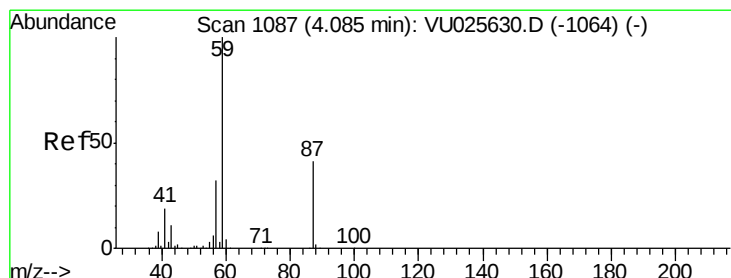
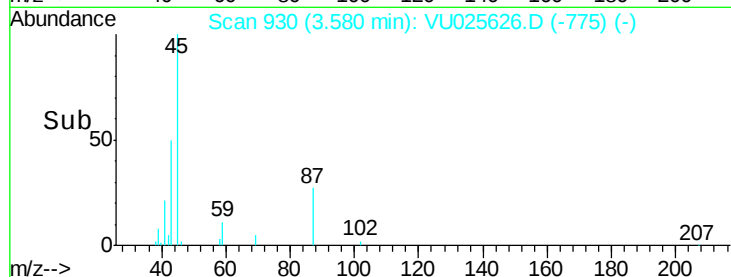
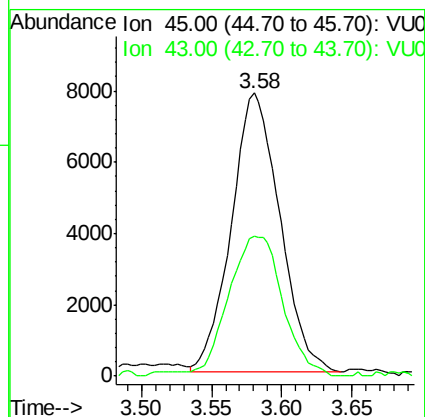
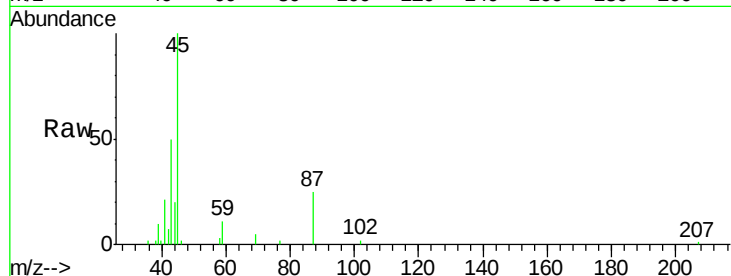
VSTDIC0.5

Tgt Ion: 45 Resp: 18855

Ion Ratio Lower Upper

45 100

43 56.7 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 0.566 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VU025626.D

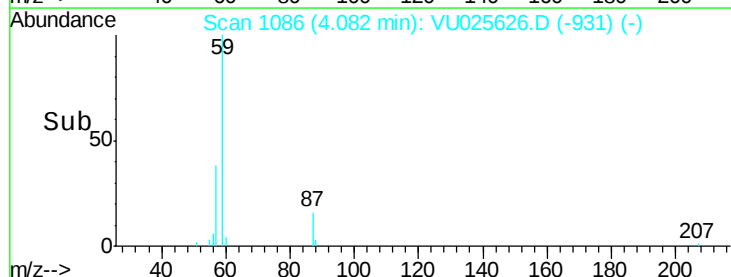
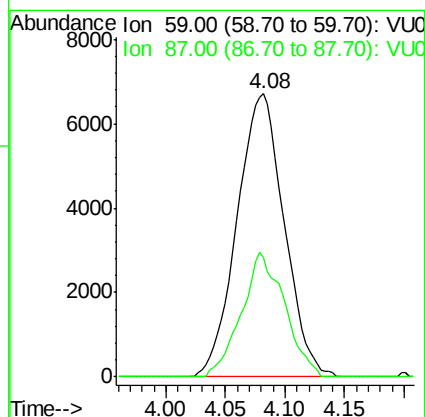
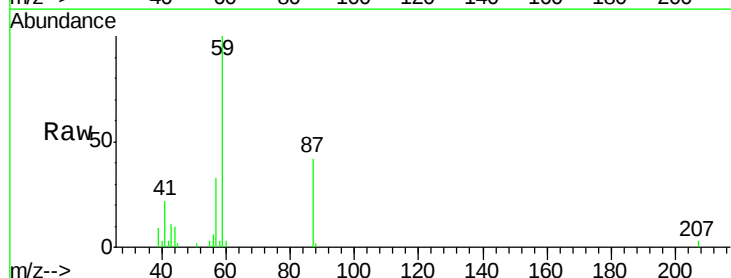
Acq: 25 Jul 2018 09:49

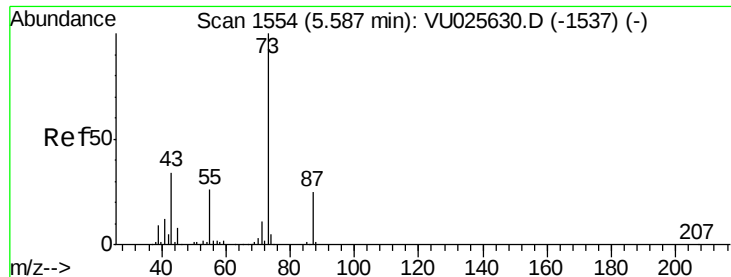
Tgt Ion: 59 Resp: 18388

Ion Ratio Lower Upper

59 100

87 40.2 31.0 46.6



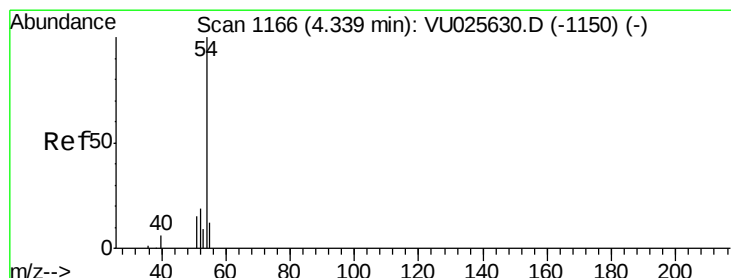
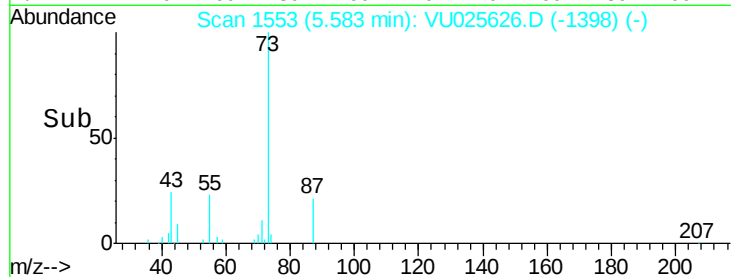
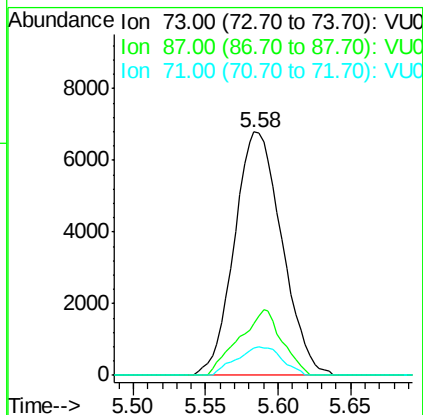
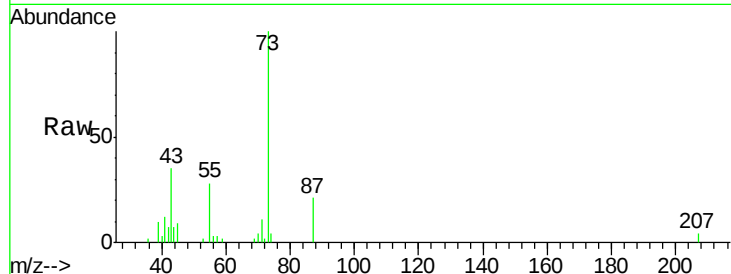


#33

Tert-Amyl methyl ether  
 Concen: 0.563 ug/l  
 RT: 5.58 min Scan# 1553  
 Delta R.T. -0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

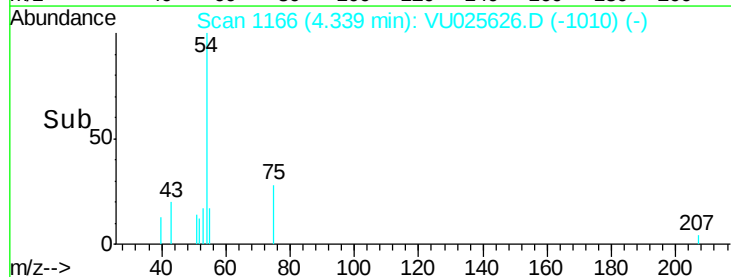
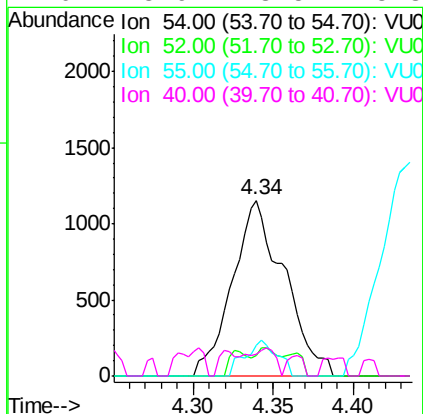
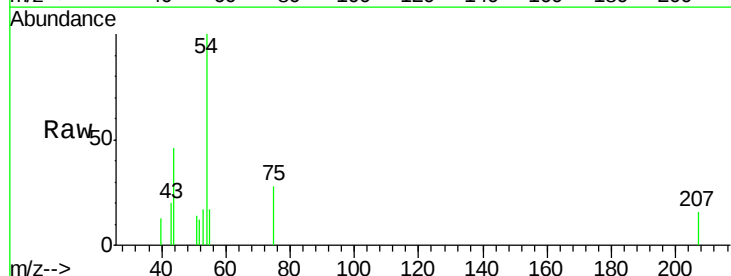
Tgt Ion: 73 Resp: 15476  
 Ion Ratio Lower Upper  
 73 100  
 87 24.4 18.6 28.0  
 71 11.2 9.3 13.9

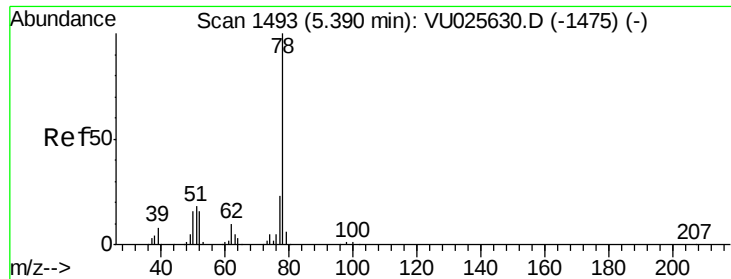


#34

Propionitrile  
 Concen: 2.978 ug/l  
 RT: 4.34 min Scan# 1166  
 Delta R.T. 0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

Tgt Ion: 54 Resp: 2560  
 Ion Ratio Lower Upper  
 54 100  
 52 2.9 13.7 20.5#  
 55 12.5 10.2 15.2  
 40 5.9 3.5 5.3#





#35

Benzene

Concen: 0.531 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

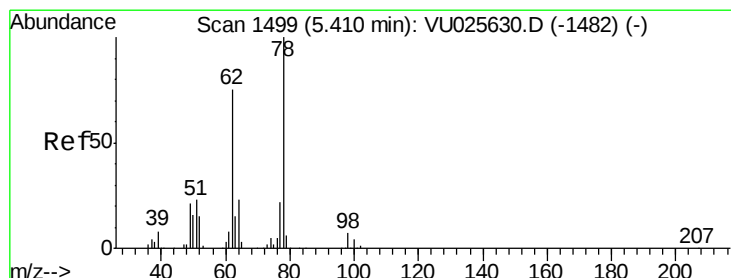
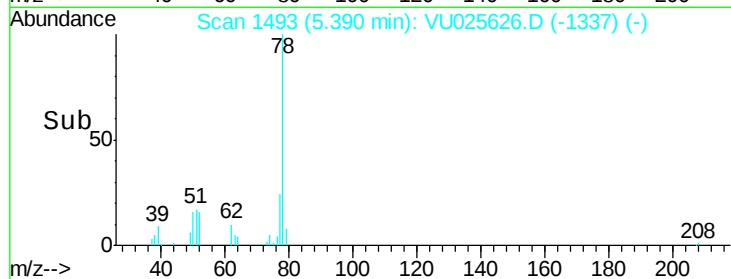
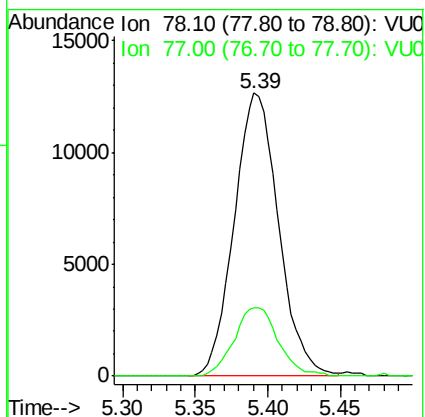
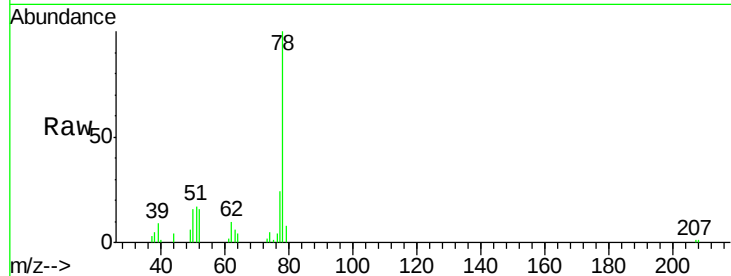
VSTDIC0.5

Tgt Ion: 78 Resp: 26949

Ion Ratio Lower Upper

78 100

77 24.2 19.1 28.7



#36

1,2-Dichloroethane

Concen: 0.560 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025626.D

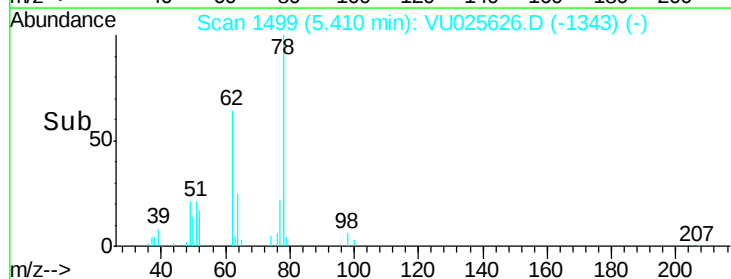
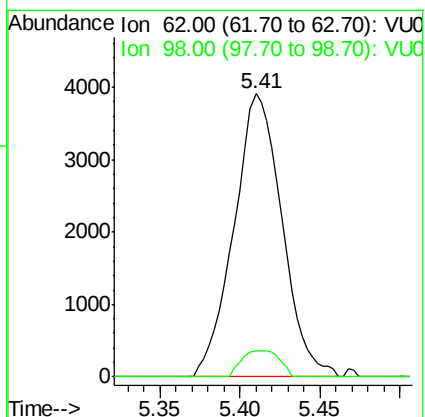
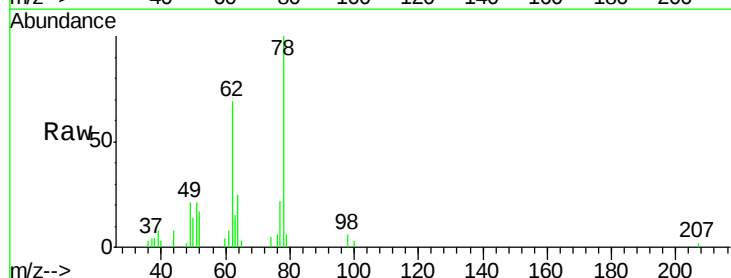
Acq: 25 Jul 2018 09:49

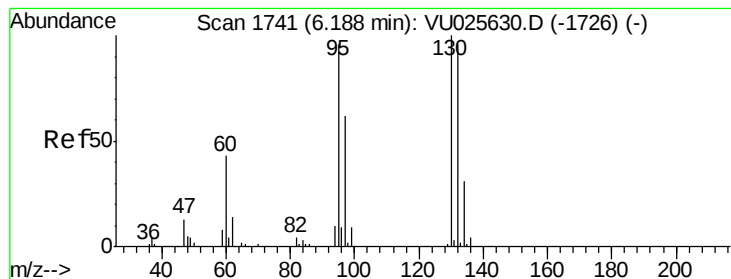
Tgt Ion: 62 Resp: 8034

Ion Ratio Lower Upper

62 100

98 7.2 7.2 10.8





#37

Trichloroethene

Concen: 0.610 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

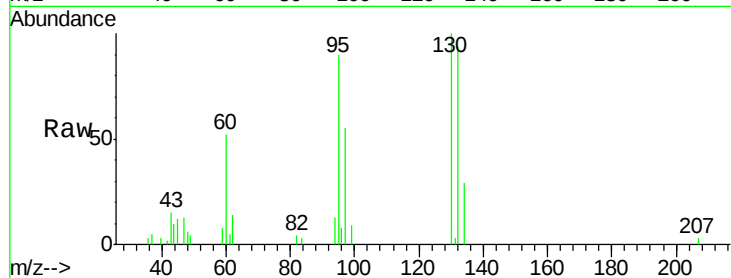
VSTDIC0.5

Tgt Ion:130 Resp: 8303

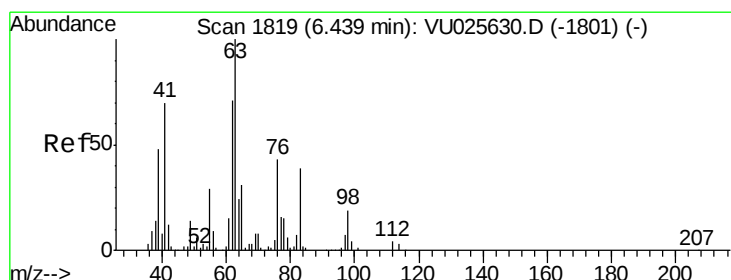
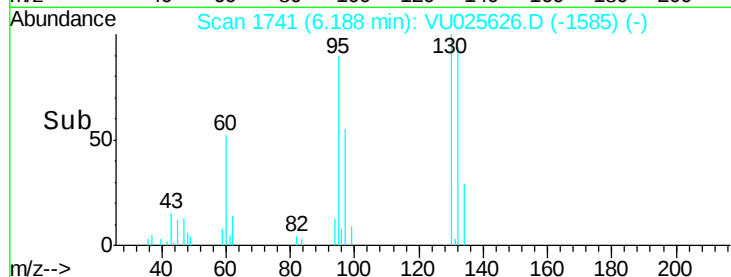
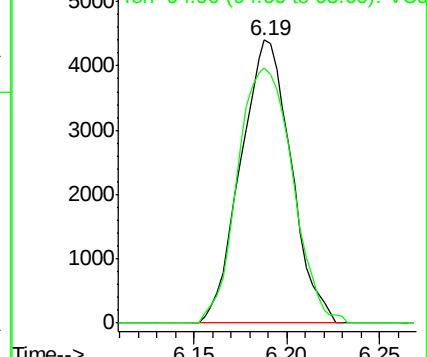
Ion Ratio Lower Upper

130 100

95 90.2 77.9 116.9



Abundance Ion 129.90 (129.60 to 130.60): VU025630.D (-1726) (-)



#38

1,2-Dichloropropane

Concen: 0.497 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025626.D

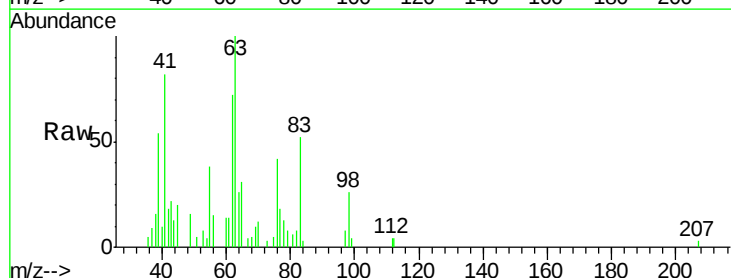
Acq: 25 Jul 2018 09:49

Tgt Ion: 63 Resp: 6919

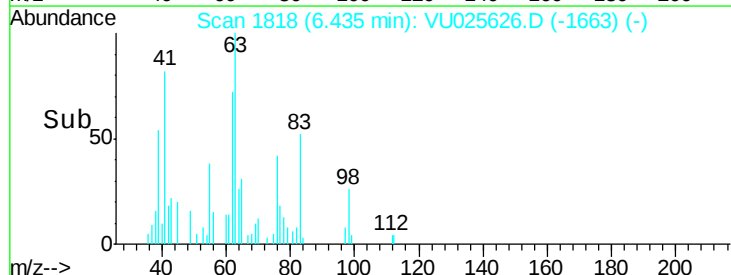
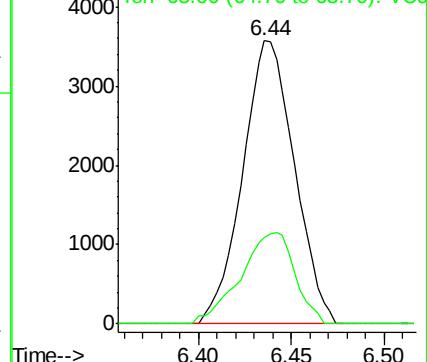
Ion Ratio Lower Upper

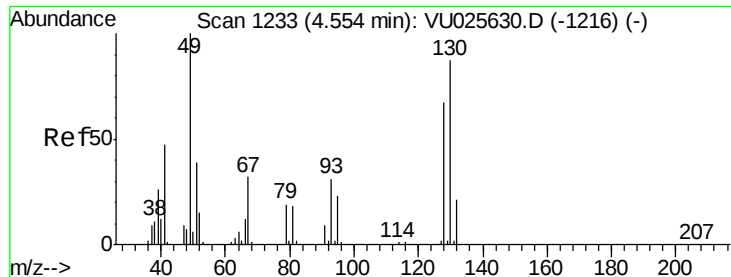
63 100

65 30.6 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU025630.D (-1801) (-)

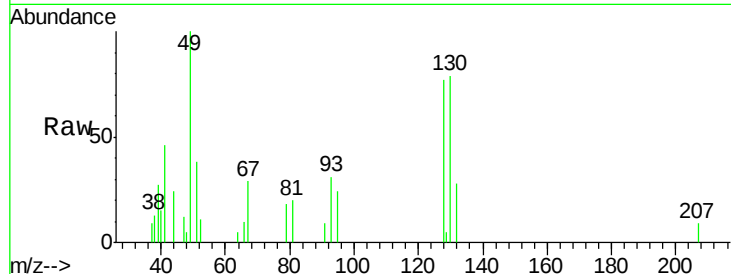




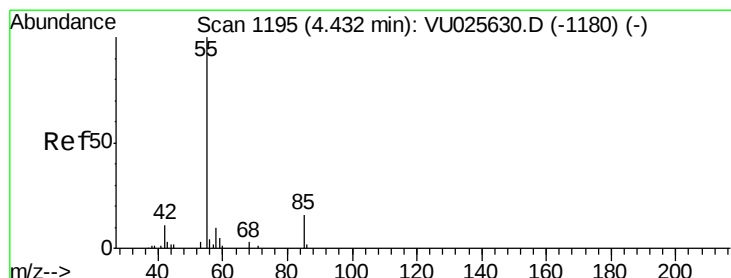
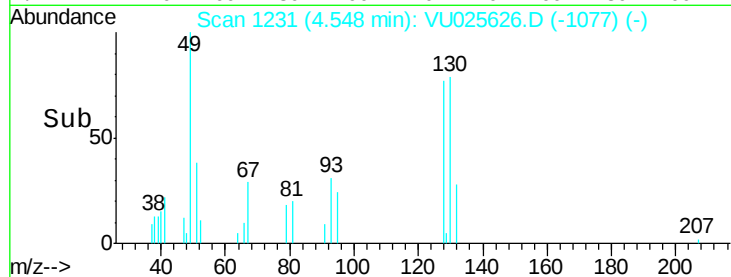
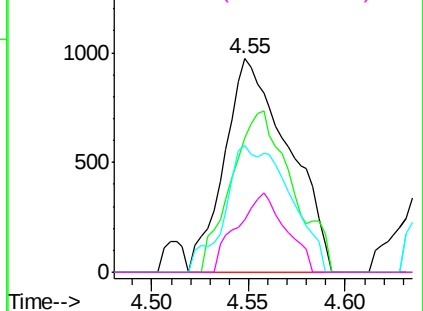
#39  
Methacrylonitrile  
Concen: 0.515 ug/l  
RT: 4.55 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 41 Resp: 2262  
Ion Ratio Lower Upper  
41 100  
67 70.9 51.3 76.9  
39 59.8 40.6 60.8  
52 28.0 21.5 32.3

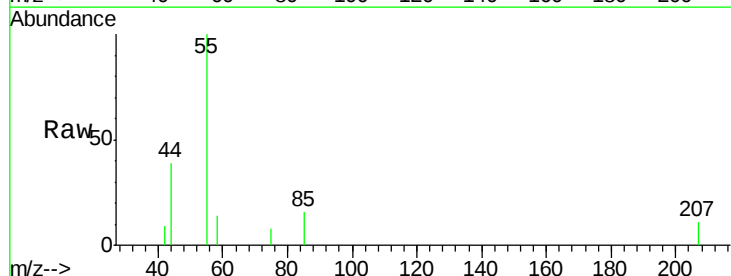


Abundance Ion 41.00 (40.70 to 41.70): VU0  
Ion 67.00 (66.70 to 67.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0

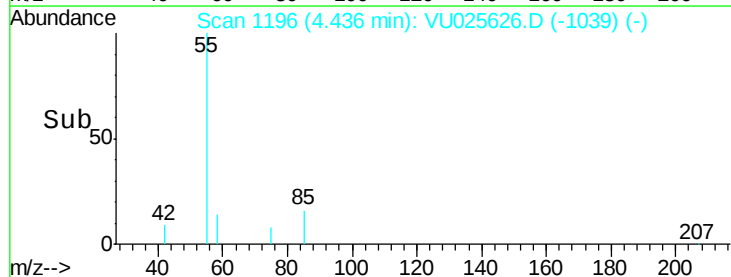
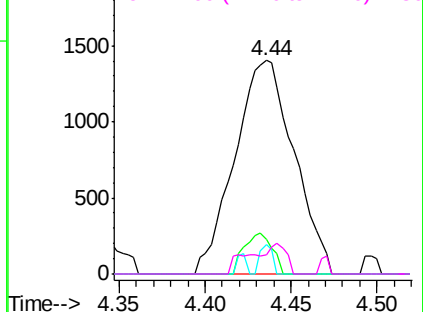


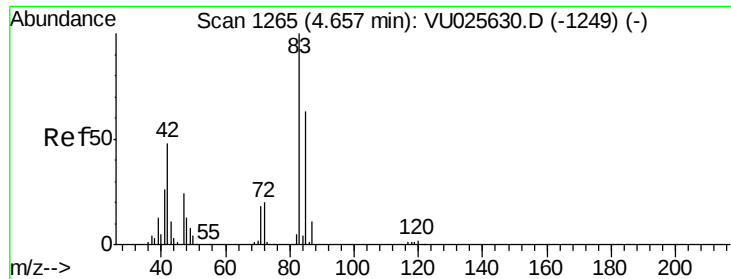
#40  
Methyl acrylate  
Concen: 0.550 ug/l  
RT: 4.44 min Scan# 1196  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Tgt Ion: 55 Resp: 3356  
Ion Ratio Lower Upper  
55 100  
85 9.1 12.3 18.5#  
58 2.9 7.0 10.6#  
42 8.8 7.0 10.4



Abundance Ion 55.00 (54.70 to 55.70): VU0  
Ion 85.00 (84.70 to 85.70): VU0  
Ion 58.00 (57.70 to 58.70): VU0  
Ion 42.00 (41.70 to 42.70): VU0

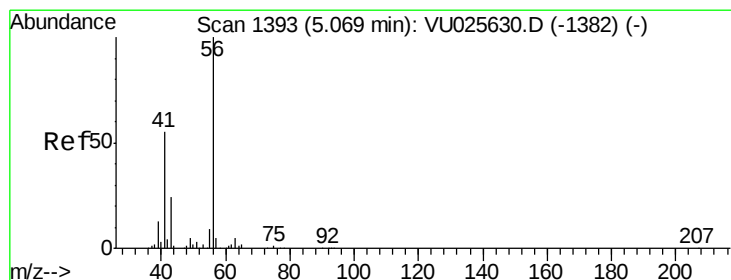
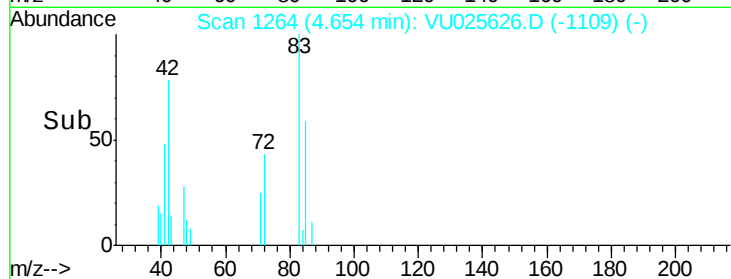
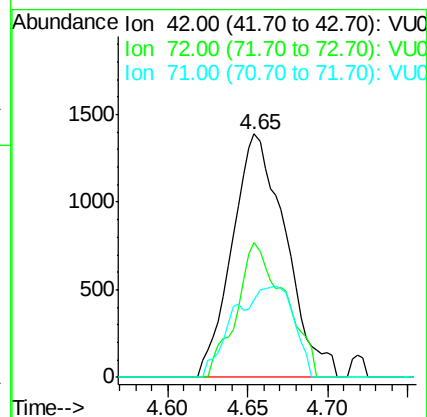
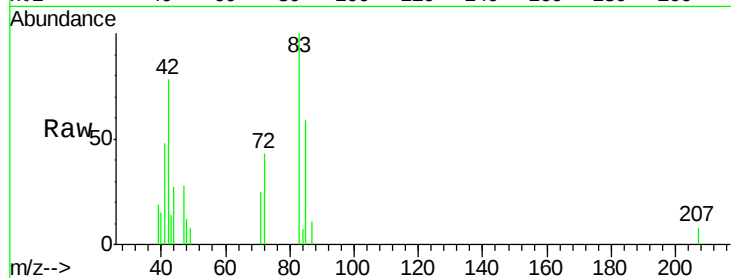




#41  
Tetrahydrofuran  
Concen: 1.405 ug/l  
RT: 4.65 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

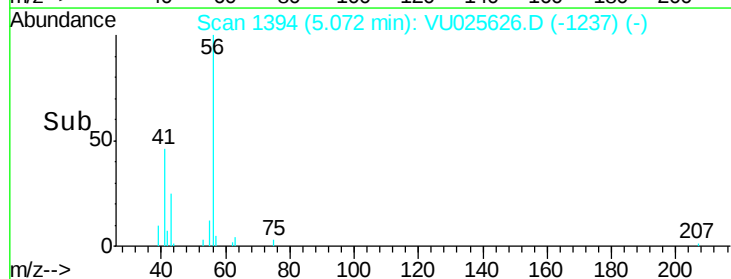
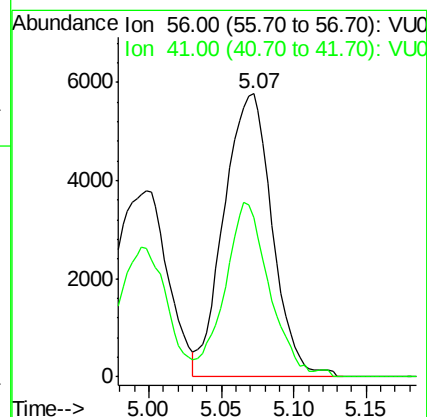
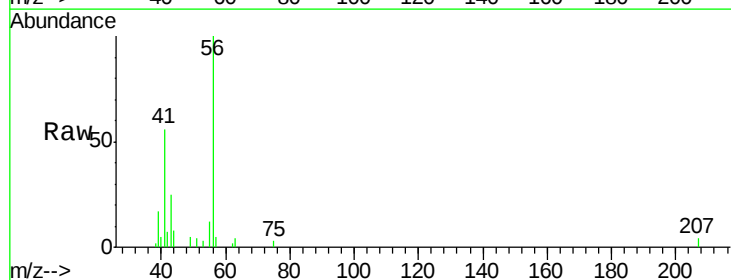
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

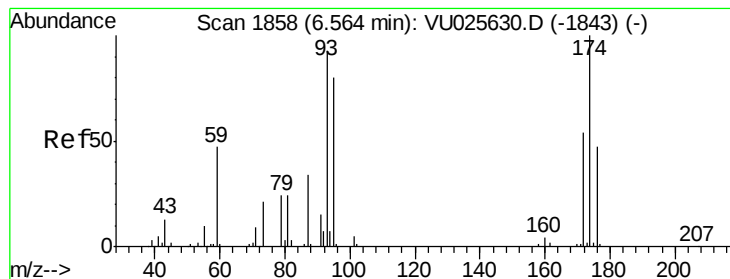
Tgt Ion: 42 Resp: 3183  
Ion Ratio Lower Upper  
42 100  
72 49.7 33.2 49.8  
71 12.6 29.8 44.8#



#42  
1-Chlorobutane  
Concen: 0.539 ug/l  
RT: 5.07 min Scan# 1394  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Tgt Ion: 56 Resp: 13324  
Ion Ratio Lower Upper  
56 100  
41 53.2 27.5 82.5





#43

Dibromomethane

Concen: 0.611 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

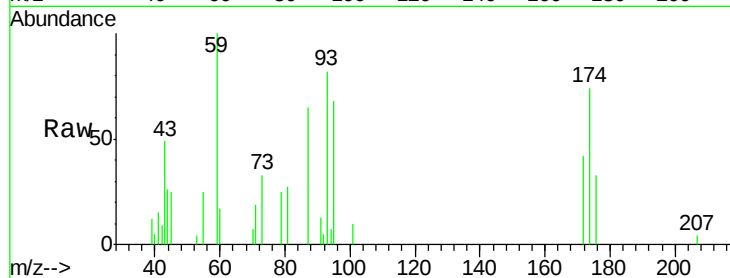
Tgt Ion: 93 Resp: 3655

Ion Ratio Lower Upper

93 100

95 86.1 67.2 100.8

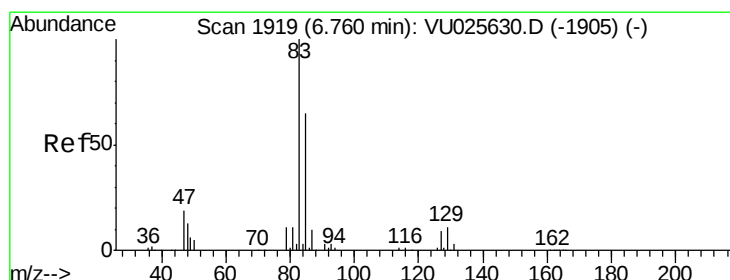
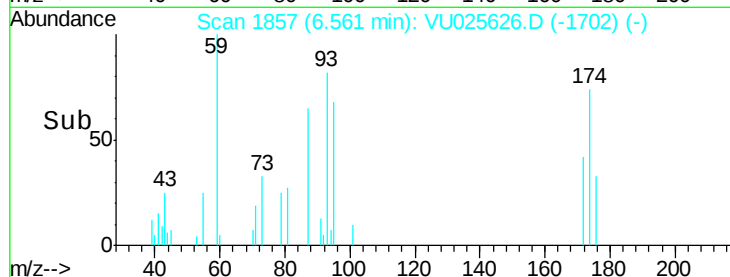
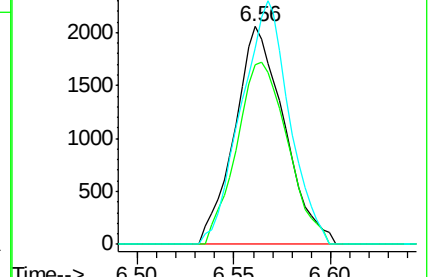
174 109.2 82.8 124.2



Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 0.620 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

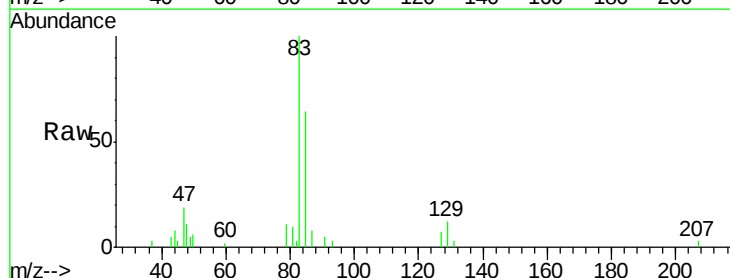
Tgt Ion: 83 Resp: 9323

Ion Ratio Lower Upper

83 100

85 64.2 52.2 78.4

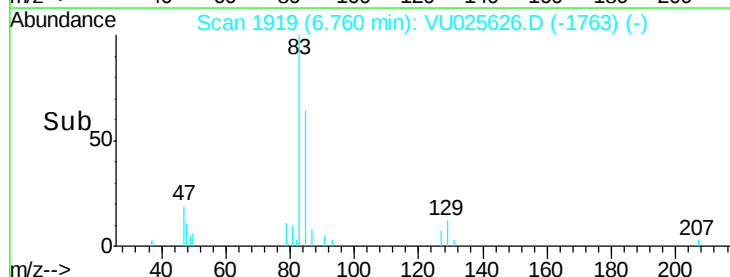
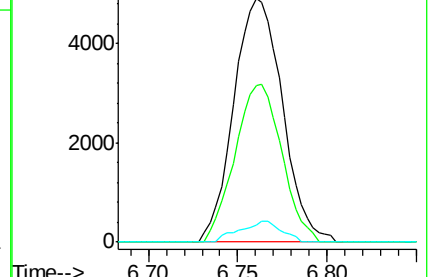
127 7.1 7.0 10.4

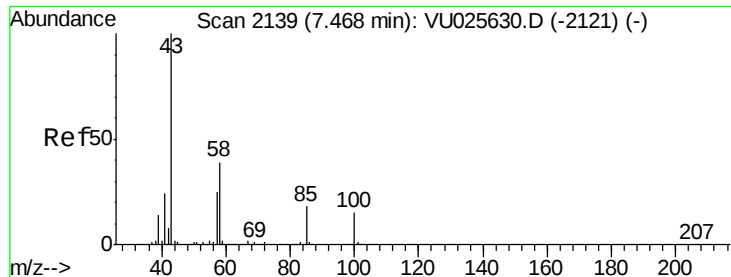


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

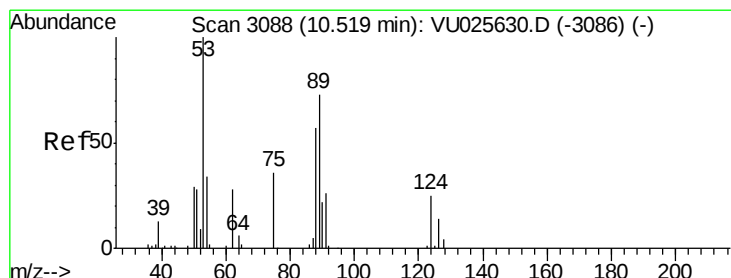
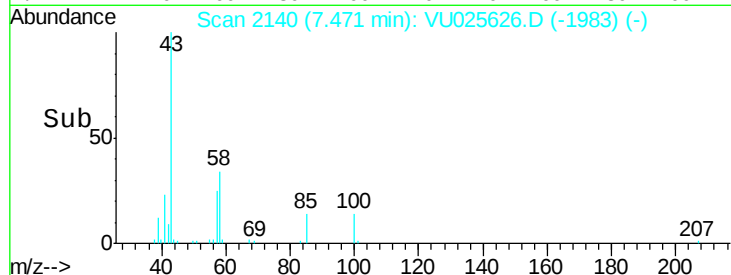
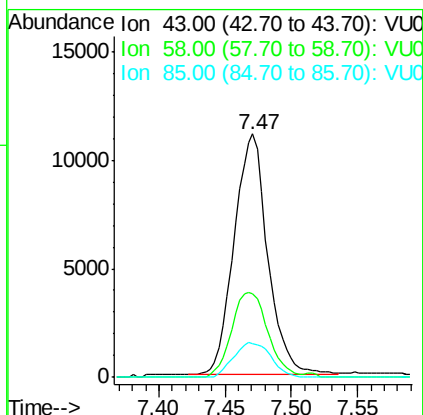
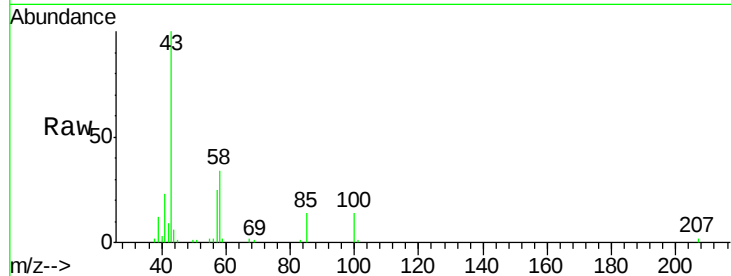




#45  
 4-Methyl-2-Pentanone  
 Concen: 2.774 ug/l  
 RT: 7.47 min Scan# 2140  
 Delta R.T. 0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

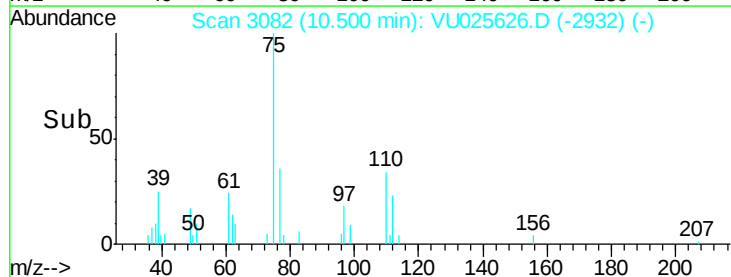
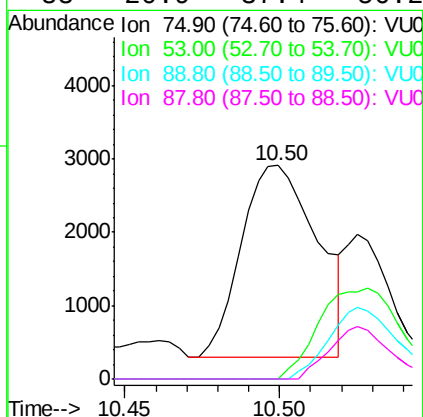
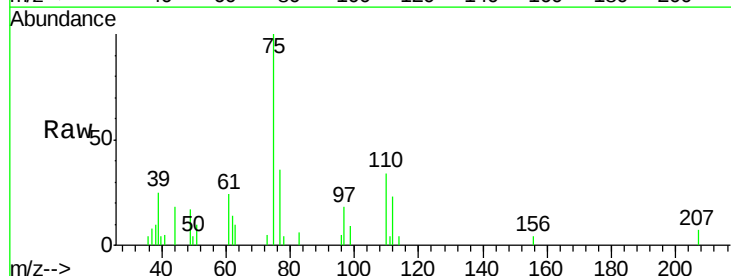
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

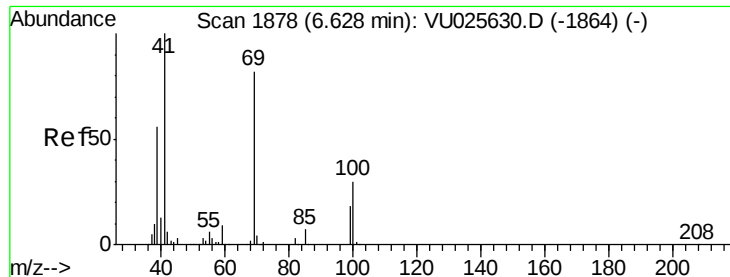
Tgt Ion: 43 Resp: 19612  
 Ion Ratio Lower Upper  
 43 100  
 58 37.8 18.8 56.4  
 85 16.1 12.6 19.0



#46  
 t-1,4-Dichloro-2-butene  
 Concen: 2.139 ug/l  
 RT: 10.50 min Scan# 3082  
 Delta R.T. -0.02 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

Tgt Ion: 75 Resp: 4471  
 Ion Ratio Lower Upper  
 75 100  
 53 50.0 82.2 123.4#  
 89 34.4 51.3 76.9#  
 88 20.9 37.4 56.2#





#47

Methyl methacrylate

Concen: 1.108 ug/l

RT: 6.63 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 69 Resp: 6005

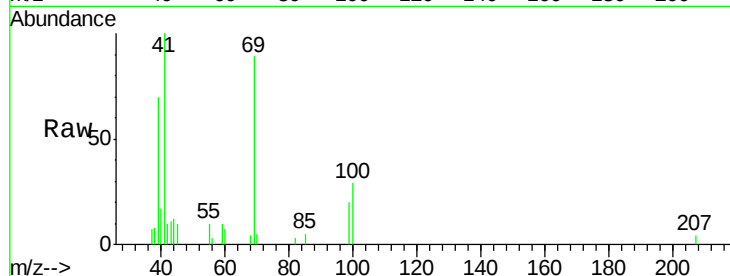
Ion Ratio Lower Upper

69 100

41 128.7 0.0 245.4

39 77.4 49.0 73.4#

100 33.9 27.8 41.8

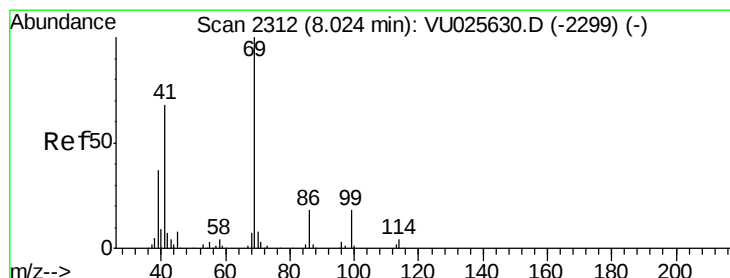
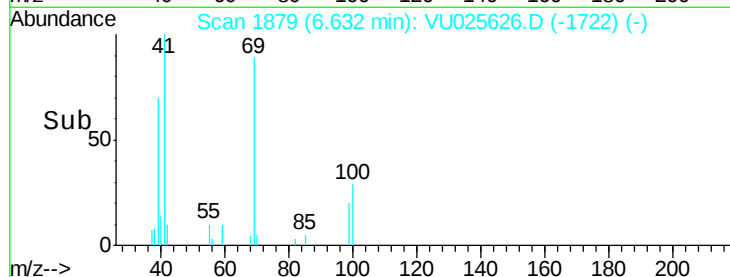
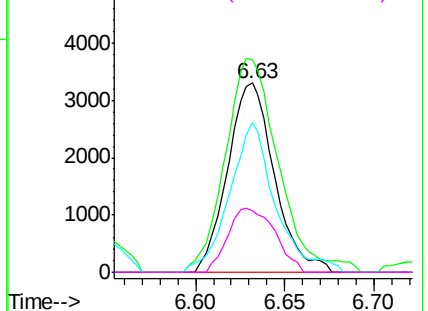


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 0.578 ug/l

RT: 8.03 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VU025626.D

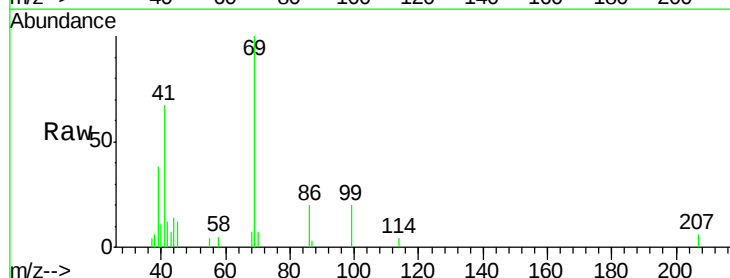
Acq: 25 Jul 2018 09:49

Tgt Ion: 69 Resp: 5479

Ion Ratio Lower Upper

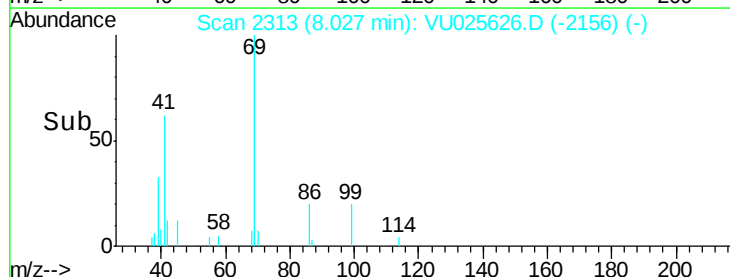
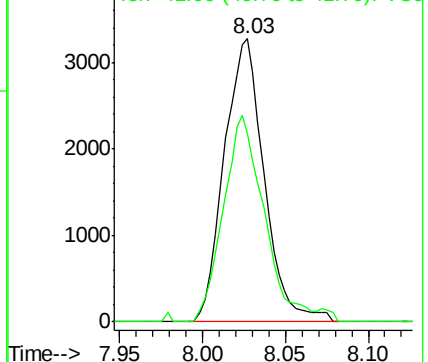
69 100

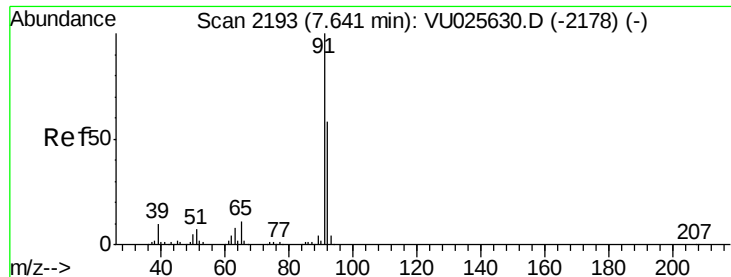
41 74.0 34.2 102.5



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.544 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

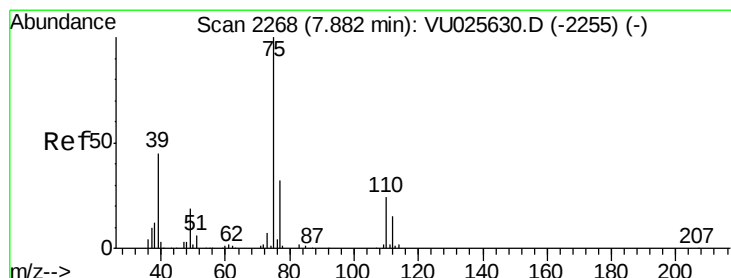
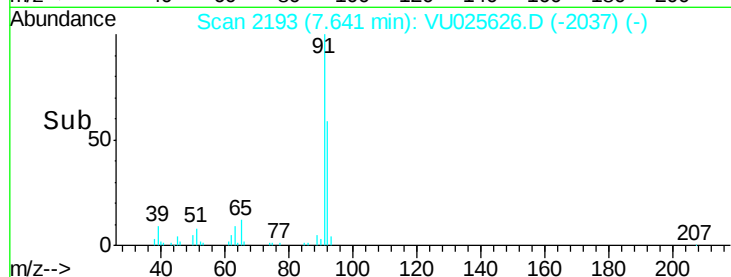
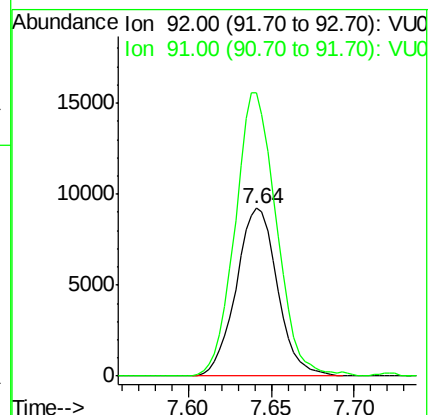
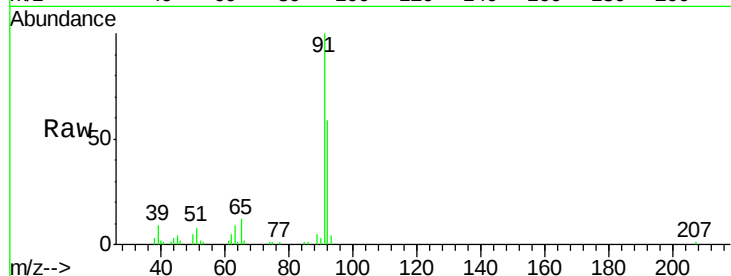
VSTDIC0.5

Tgt Ion: 92 Resp: 15943

Ion Ratio Lower Upper

92 100

91 169.4 137.1 205.7



#50

t-1,3-Dichloropropene

Concen: 0.624 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025626.D

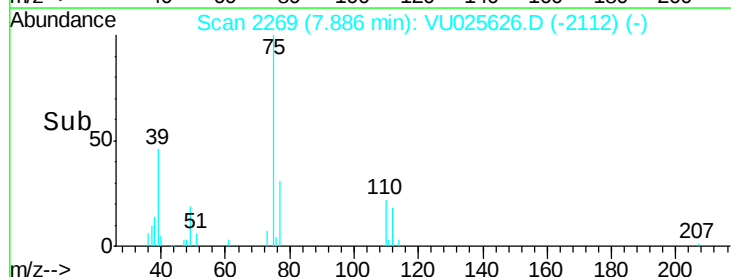
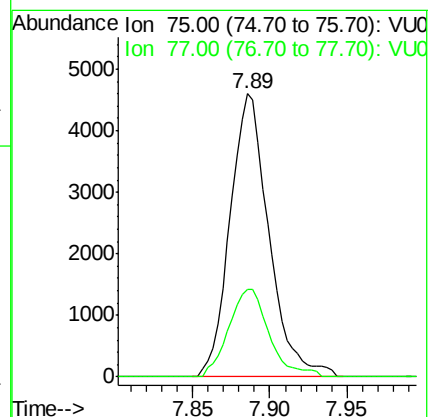
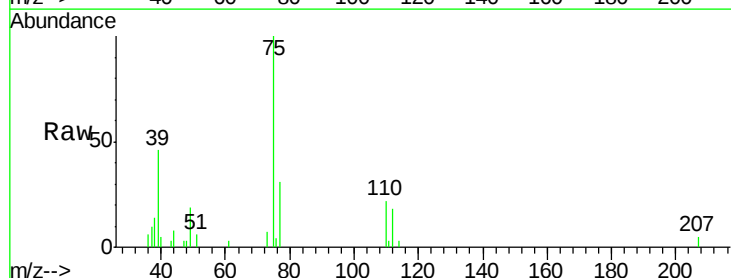
Acq: 25 Jul 2018 09:49

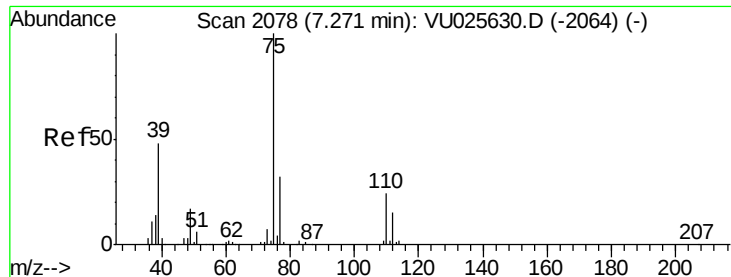
Tgt Ion: 75 Resp: 8006

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8



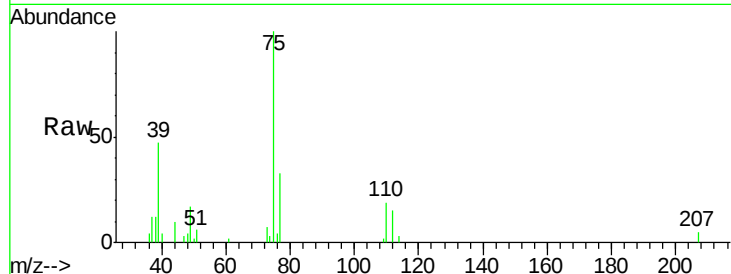


#51

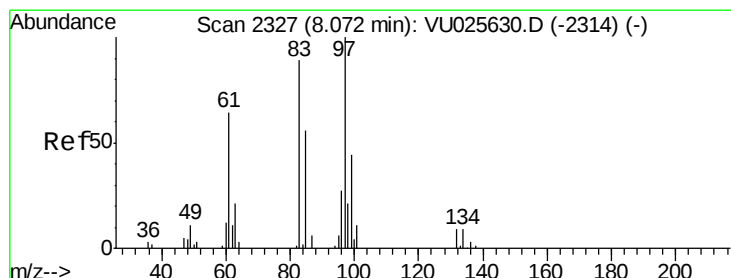
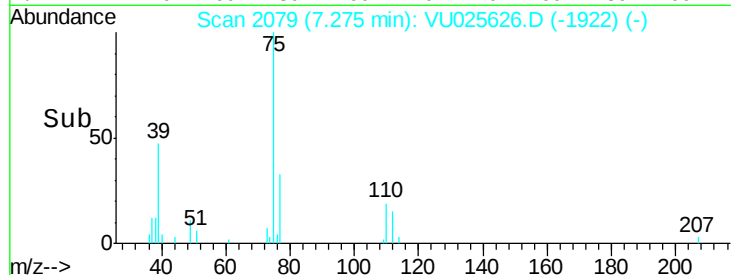
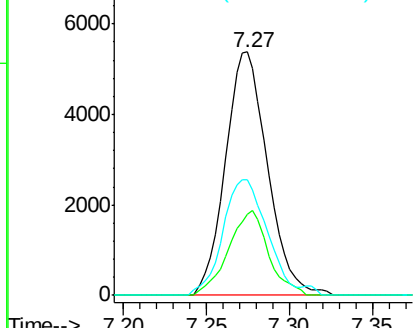
cis-1,3-Dichloropropene  
 Concen: 0.569 ug/l  
 RT: 7.27 min Scan# 2079  
 Delta R.T. 0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion: 75 Resp: 9502  
 Ion Ratio Lower Upper  
 75 100  
 77 33.3 25.2 37.8  
 39 47.4 36.4 54.6



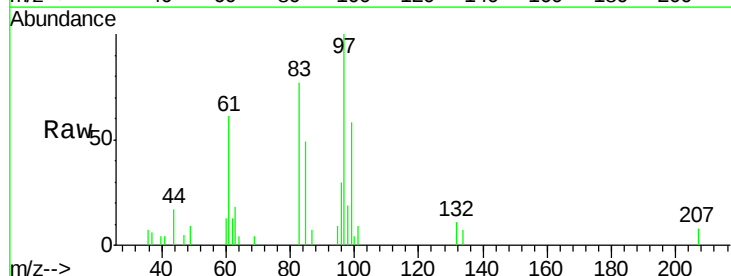
Abundance Ion 75.00 (74.70 to 75.70): VU0  
 Ion 77.00 (76.70 to 77.70): VU0  
 Ion 39.00 (38.70 to 39.70): VU0



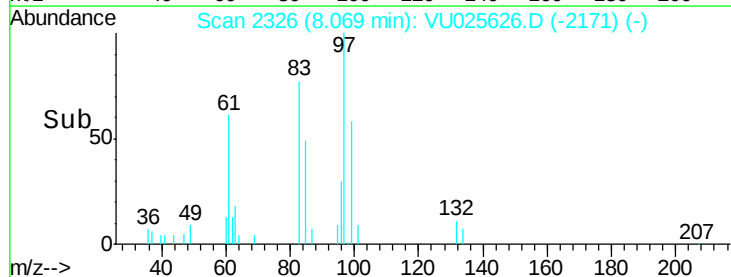
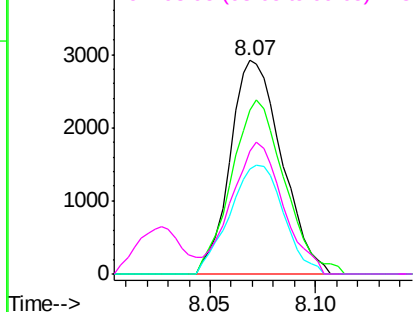
#52

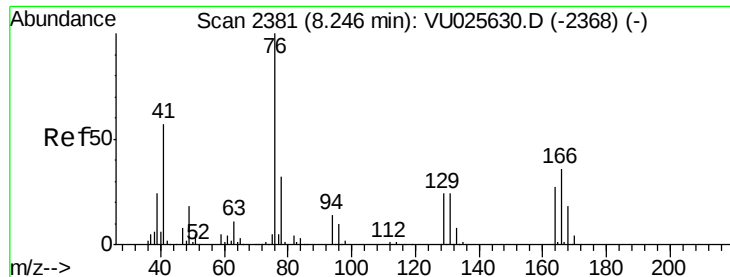
1,1,2-Trichloroethane  
 Concen: 0.582 ug/l  
 RT: 8.07 min Scan# 2326  
 Delta R.T. -0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

Tgt Ion: 97 Resp: 4953  
 Ion Ratio Lower Upper  
 97 100  
 83 76.5 72.6 109.0  
 85 49.2 47.2 70.8  
 99 57.7 50.8 76.2



Abundance Ion 97.00 (96.70 to 97.70): VU0  
 Ion 82.95 (82.65 to 83.65): VU0  
 Ion 84.95 (84.65 to 85.65): VU0  
 Ion 98.95 (98.65 to 99.65): VU0

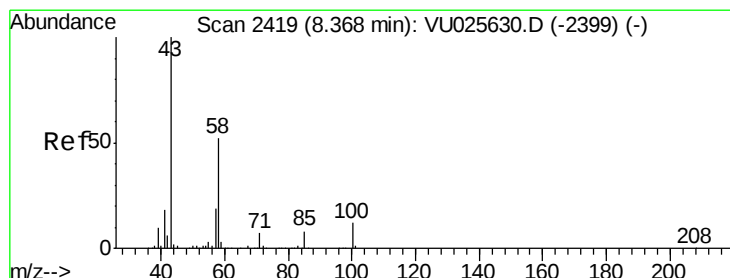
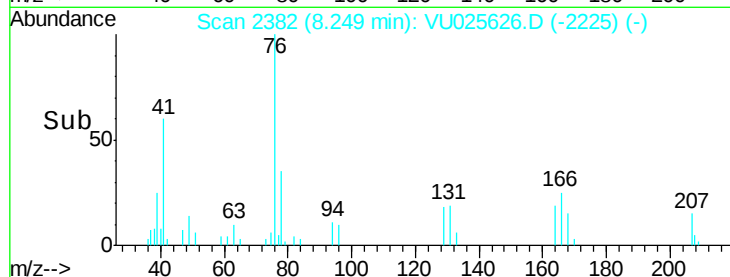
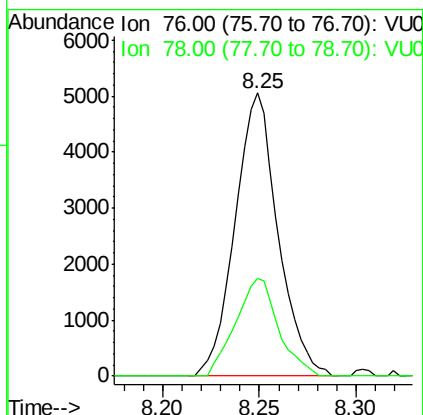
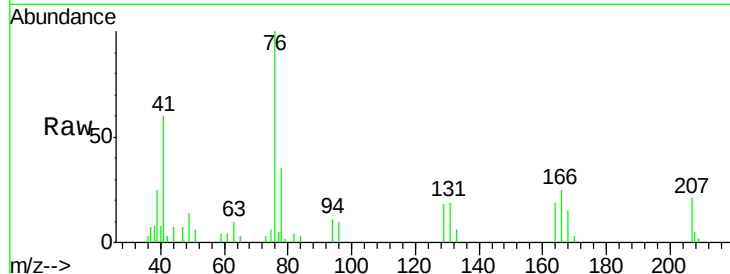




#53  
 1,3-Dichloropropane  
 Concen: 0.515 ug/l  
 RT: 8.25 min Scan# 2382  
 Delta R.T. 0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

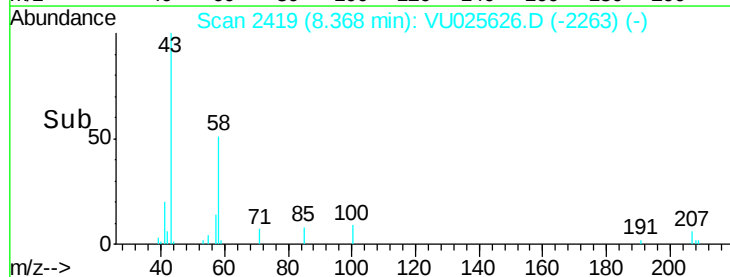
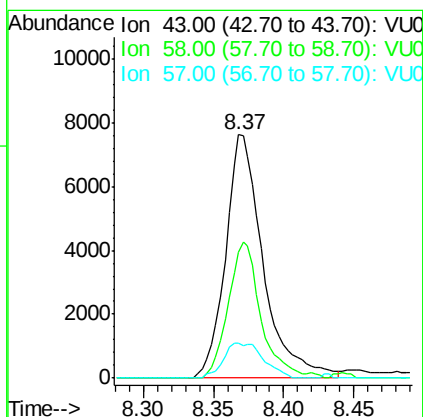
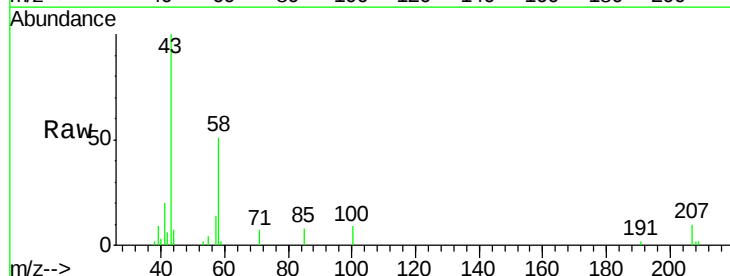
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

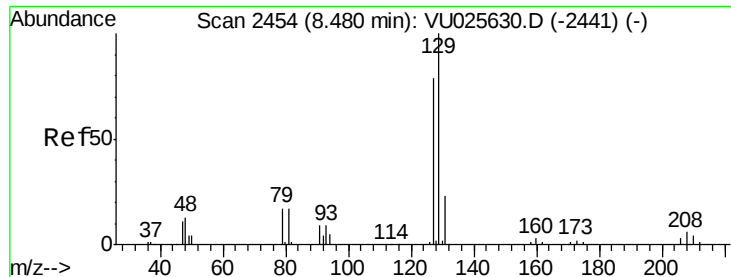
Tgt Ion: 76 Resp: 7795  
 Ion Ratio Lower Upper  
 76 100  
 78 34.5 25.7 38.5



#54  
 2-Hexanone  
 Concen: 2.952 ug/l  
 RT: 8.37 min Scan# 2419  
 Delta R.T. 0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

Tgt Ion: 43 Resp: 14219  
 Ion Ratio Lower Upper  
 43 100  
 58 48.2 32.5 72.5  
 57 15.2 0.0 37.9





#55

Dibromochloromethane

Concen: 0.637 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

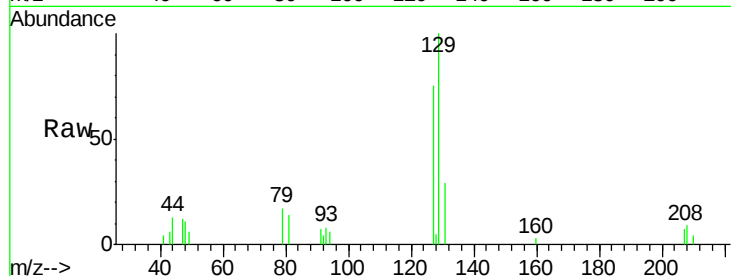
VSTDIC0.5

Tgt Ion:129 Resp: 5942

Ion Ratio Lower Upper

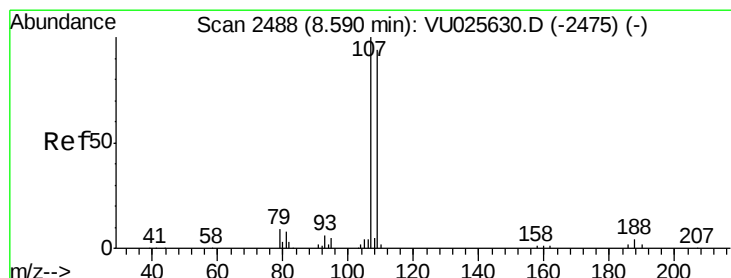
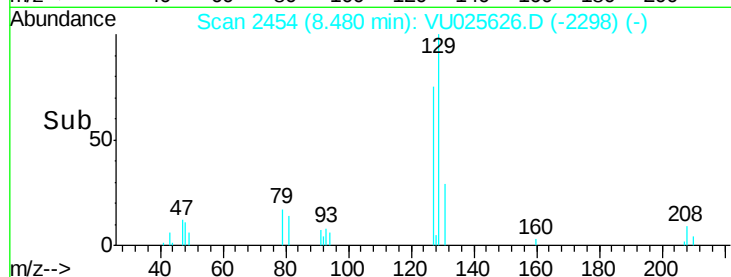
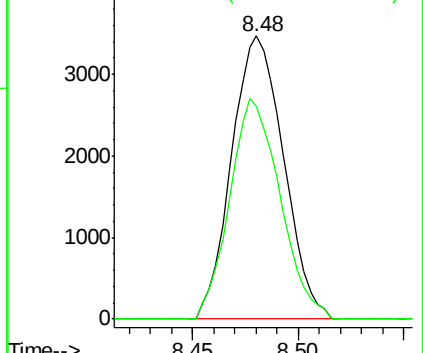
129 100

127 75.6 61.1 91.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.599 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU025626.D

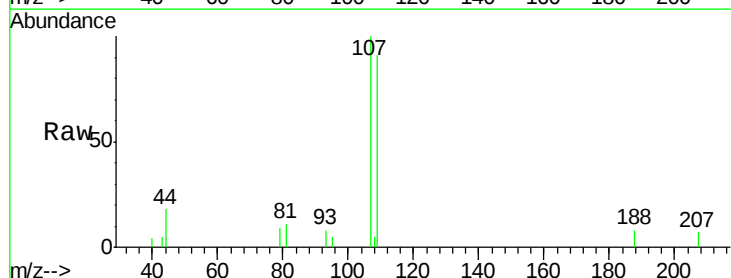
Acq: 25 Jul 2018 09:49

Tgt Ion:107 Resp: 4392

Ion Ratio Lower Upper

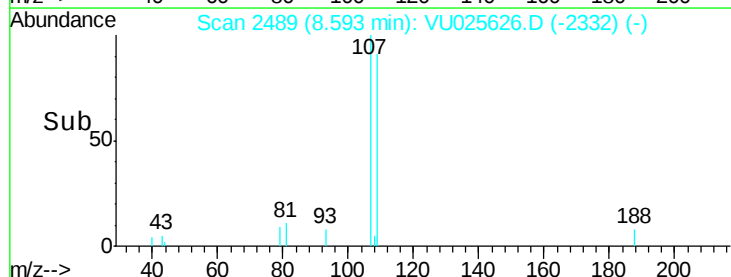
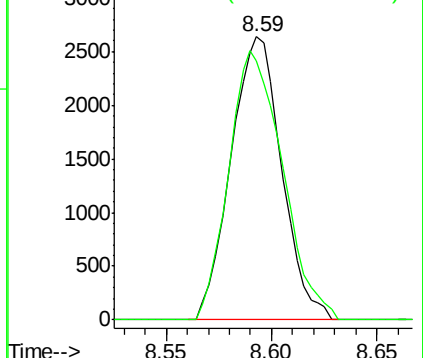
107 100

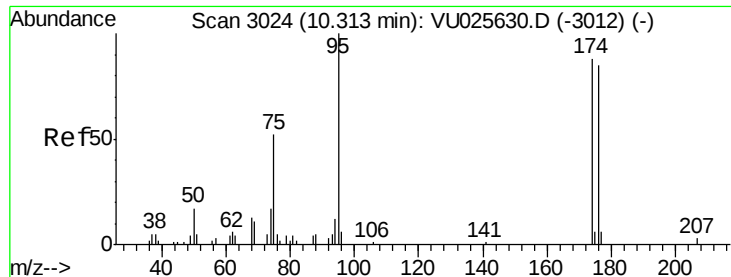
109 101.0 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

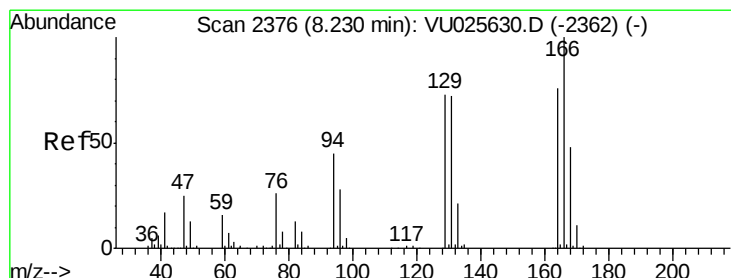
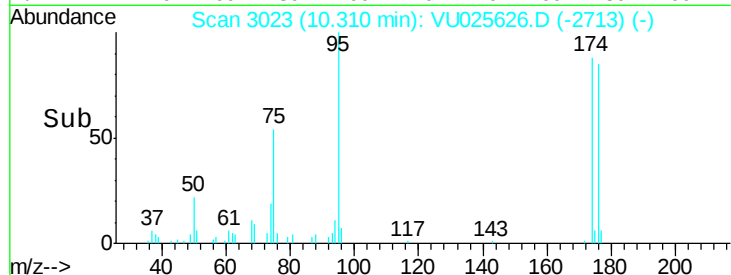
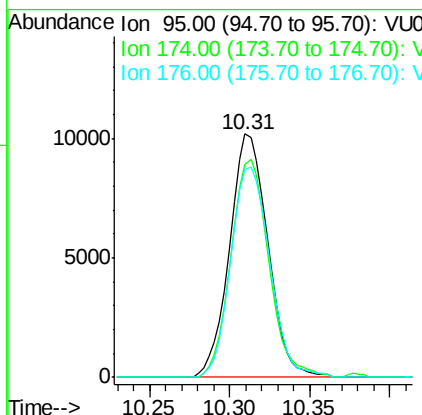
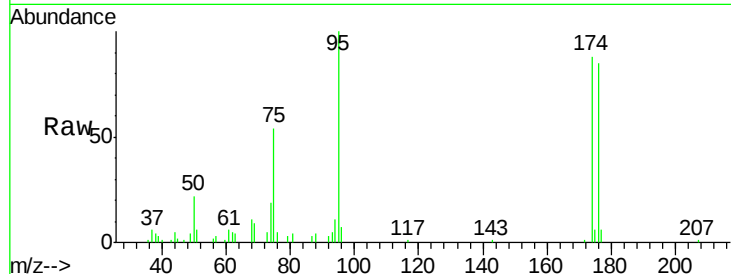




#57  
4-Bromofluorobenzene  
Concen: 0.599 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. -0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

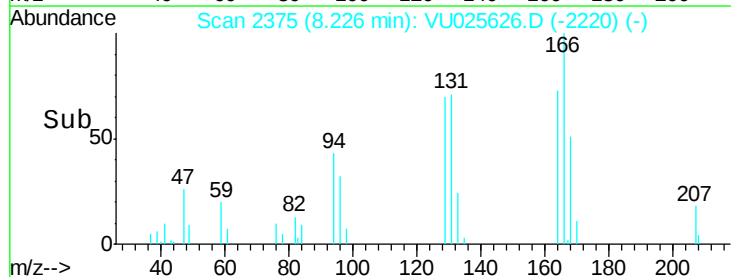
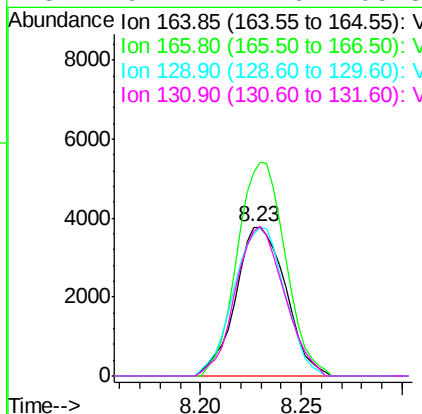
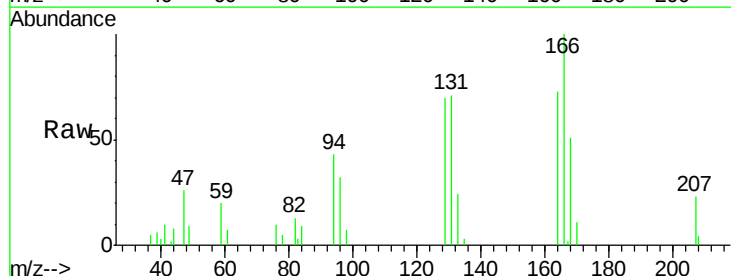
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

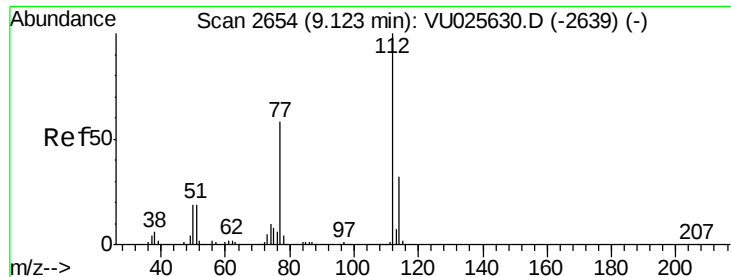
Tgt Ion: 95 Resp: 16616  
Ion Ratio Lower Upper  
95 100  
174 88.7 65.6 98.4  
176 88.0 62.0 93.0



#58  
Tetrachloroethene  
Concen: 0.528 ug/l  
RT: 8.23 min Scan# 2375  
Delta R.T. -0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Tgt Ion: 164 Resp: 6557  
Ion Ratio Lower Upper  
164 100  
166 136.3 104.1 156.1  
129 95.5 76.8 115.2  
131 97.2 72.6 108.8





#59

Chlorobenzene

Concen: 0.594 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

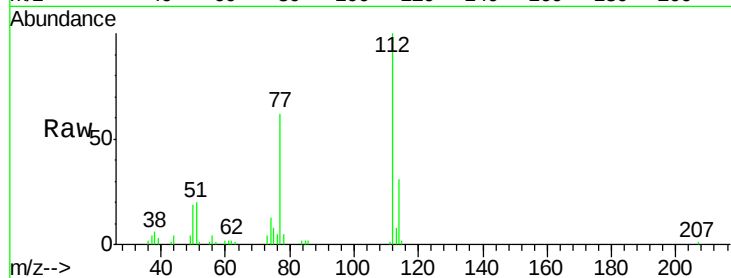
VSTDIC0.5

Tgt Ion:112 Resp: 18625

Ion Ratio Lower Upper

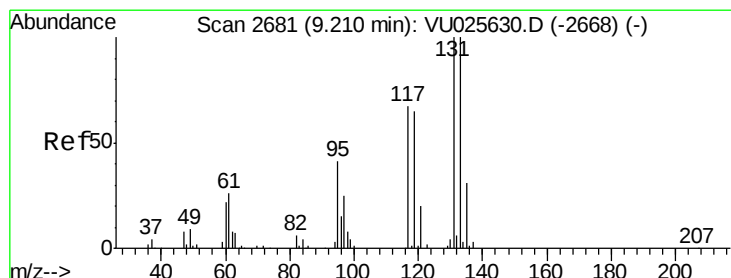
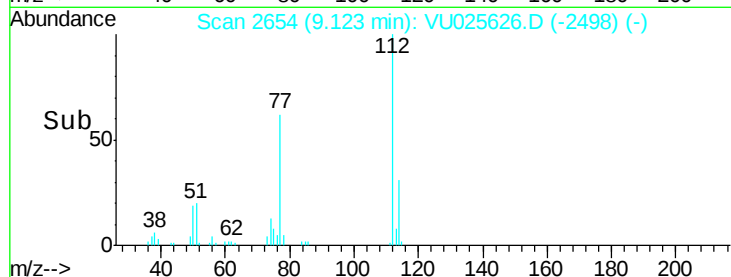
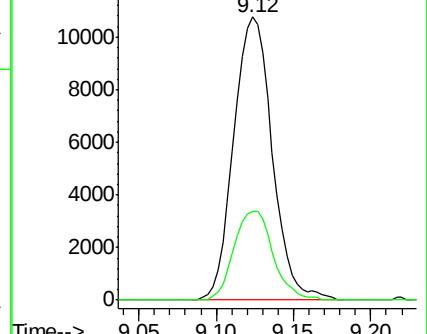
112 100

114 31.4 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.669 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

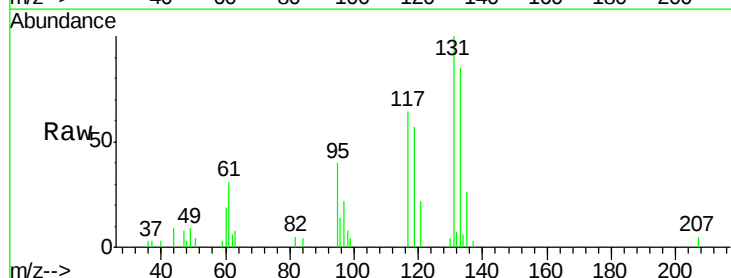
Tgt Ion:131 Resp: 7124

Ion Ratio Lower Upper

131 100

133 92.9 75.8 113.8

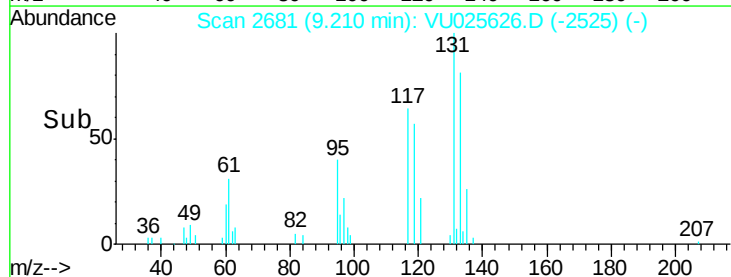
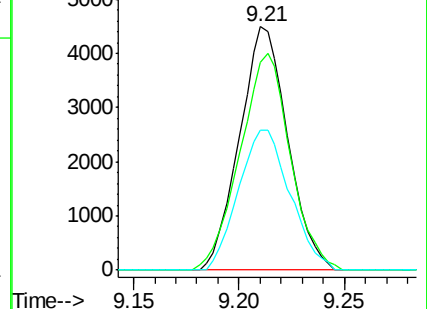
119 61.5 53.0 79.6

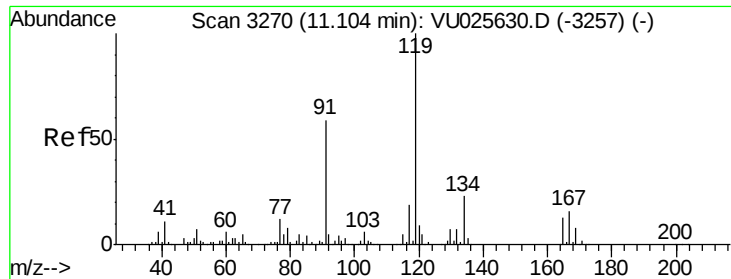


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.688 ug/l

RT: 11.11 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

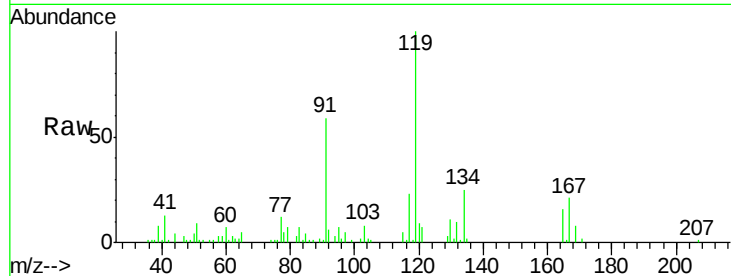
VSTDIC0.5

Tgt Ion:117 Resp: 5201

Ion Ratio Lower Upper

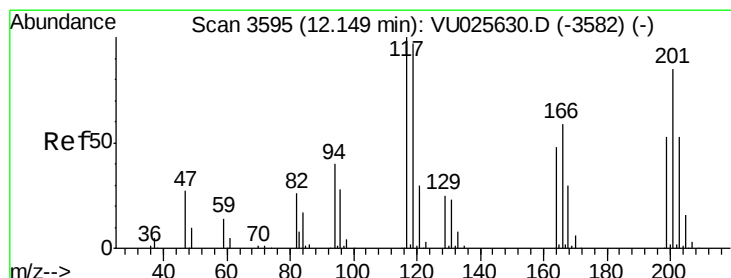
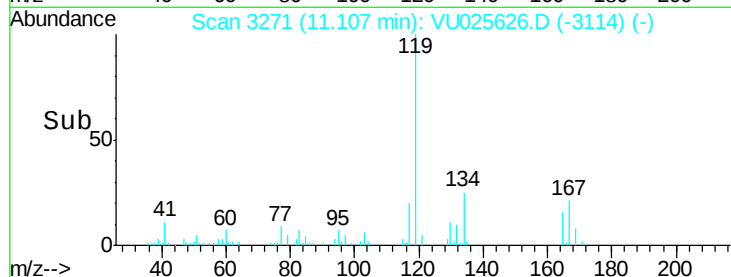
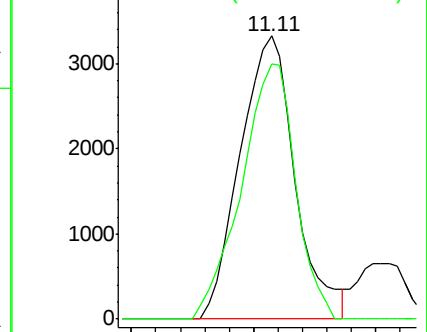
117 100

167 88.4 69.2 103.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.704 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025626.D

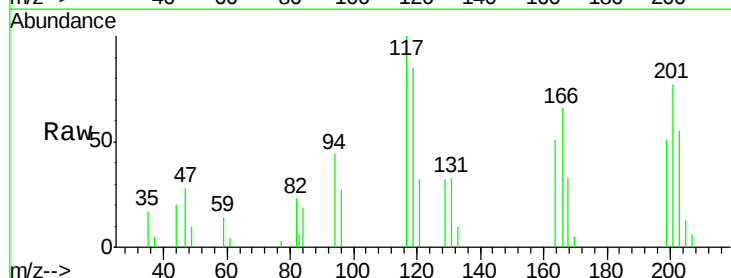
Acq: 25 Jul 2018 09:49

Tgt Ion:117 Resp: 5105

Ion Ratio Lower Upper

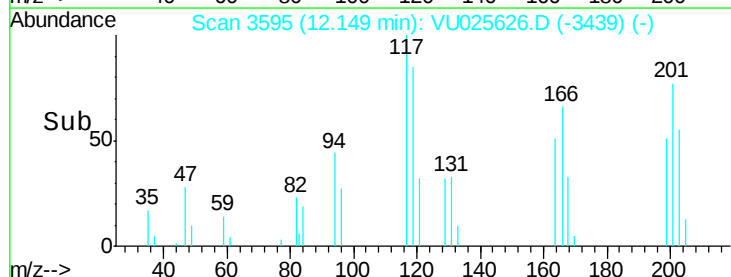
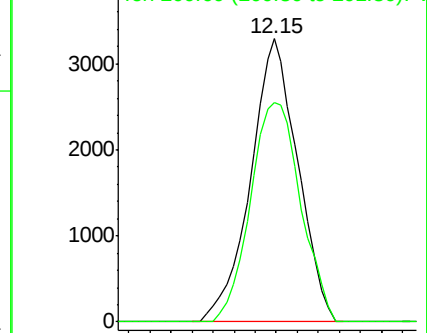
117 100

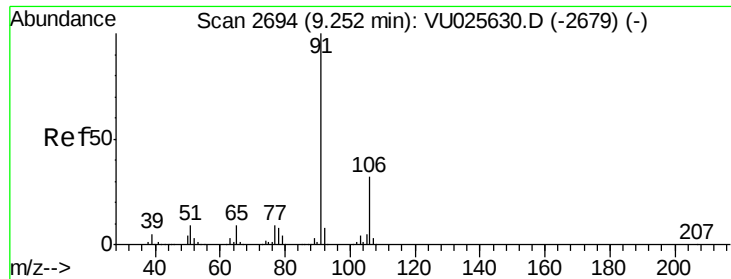
201 82.4 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.553 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

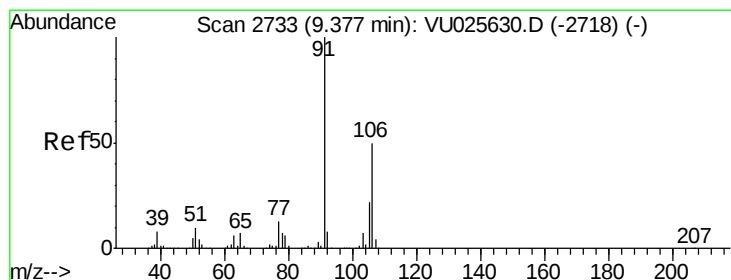
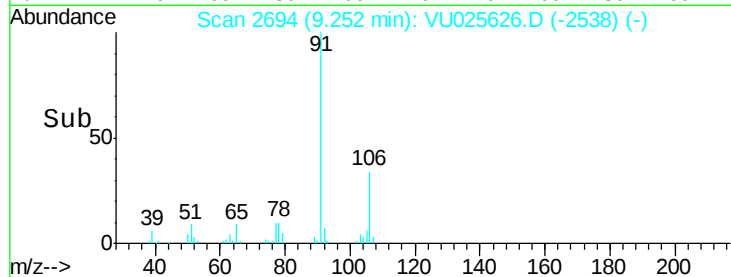
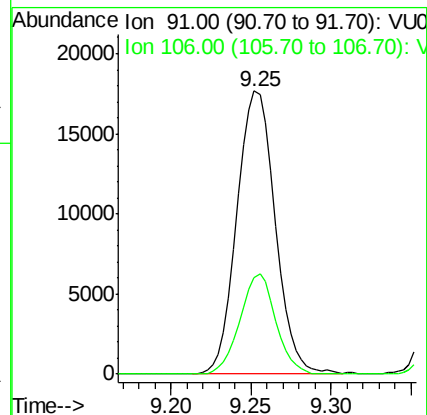
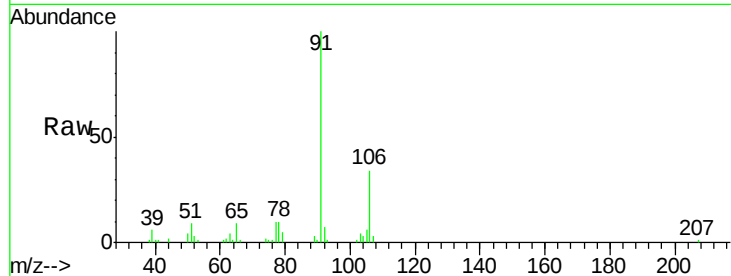
VSTDIC0.5

Tgt Ion: 91 Resp: 28815

Ion Ratio Lower Upper

91 100

106 34.2 24.7 37.1



#64

m/p-Xylenes

Concen: 1.139 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025626.D

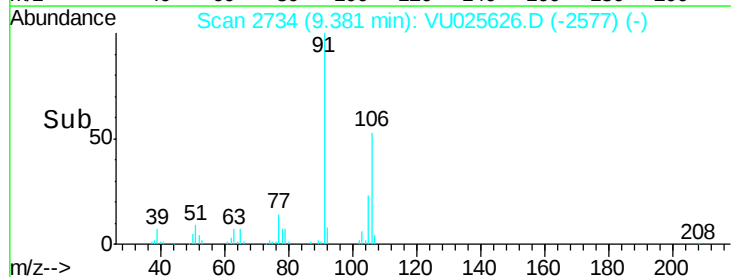
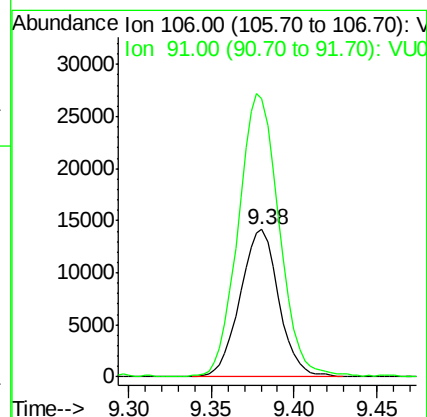
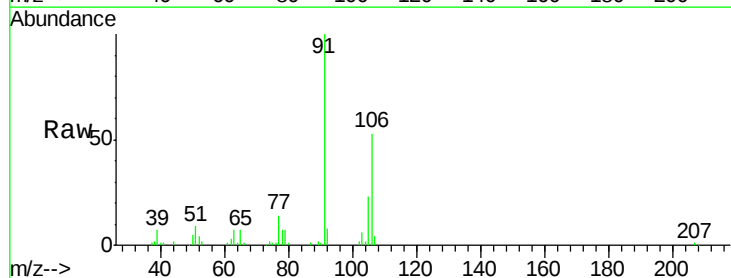
Acq: 25 Jul 2018 09:49

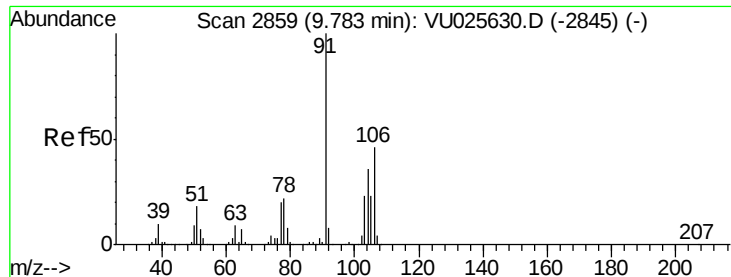
Tgt Ion: 106 Resp: 22903

Ion Ratio Lower Upper

106 100

91 203.7 164.1 246.1

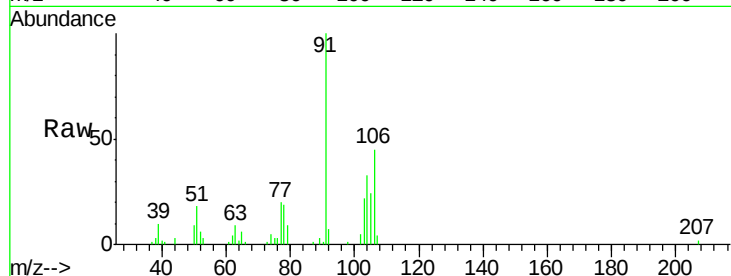




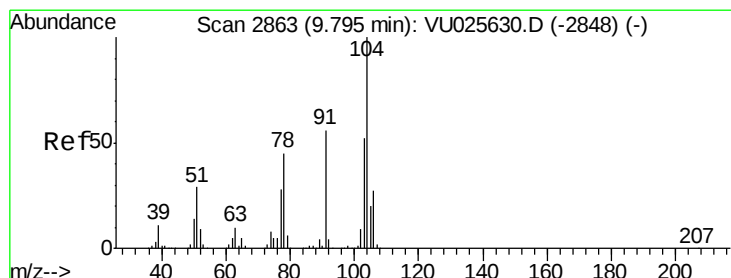
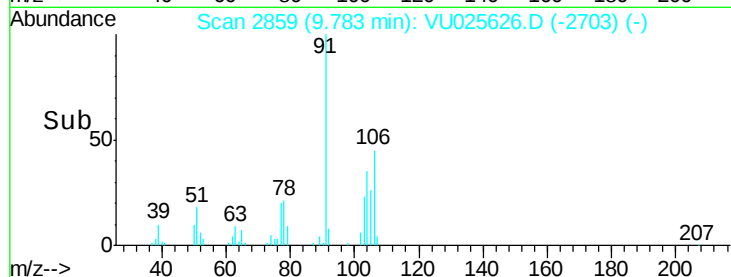
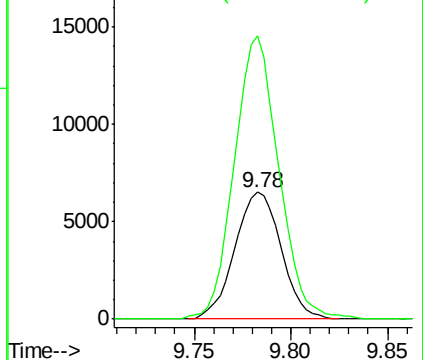
#65  
o-Xylene  
Concen: 0.561 ug/l  
RT: 9.78 min Scan# 2859  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion:106 Resp: 10858  
Ion Ratio Lower Upper  
106 100  
91 214.1 107.9 323.7

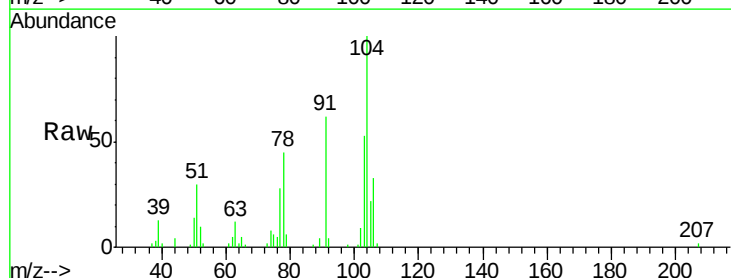


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

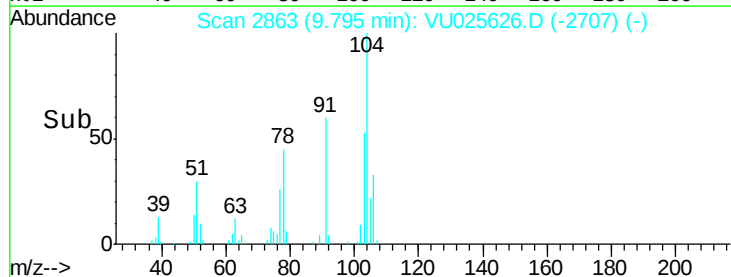
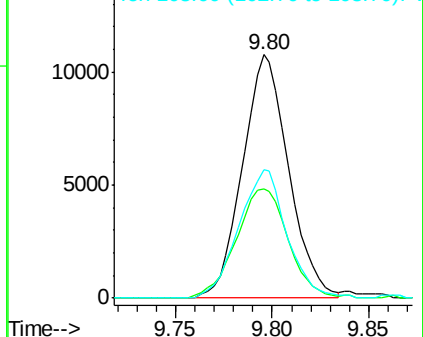


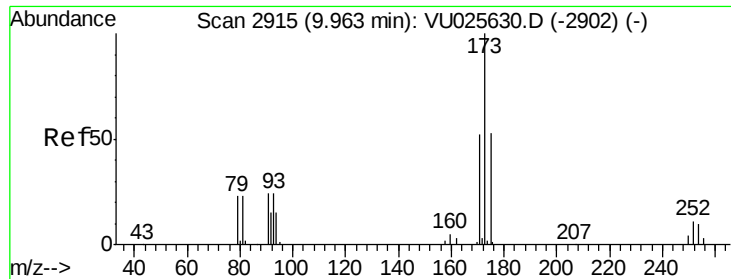
#66  
Styrene  
Concen: 0.559 ug/l  
RT: 9.80 min Scan# 2863  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Tgt Ion:104 Resp: 17858  
Ion Ratio Lower Upper  
104 100  
78 50.4 40.2 60.2  
103 54.9 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VU0  
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.772 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

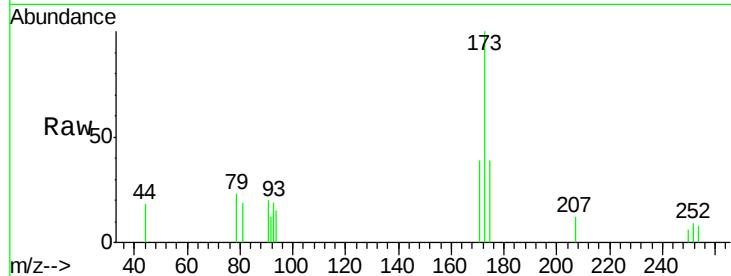
Tgt Ion:173 Resp: 3761

Ion Ratio Lower Upper

173 100

175 38.4 38.6 57.8#

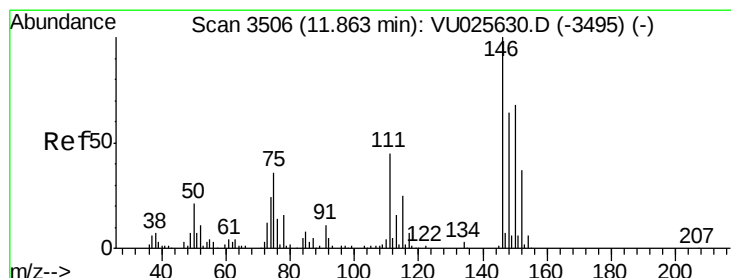
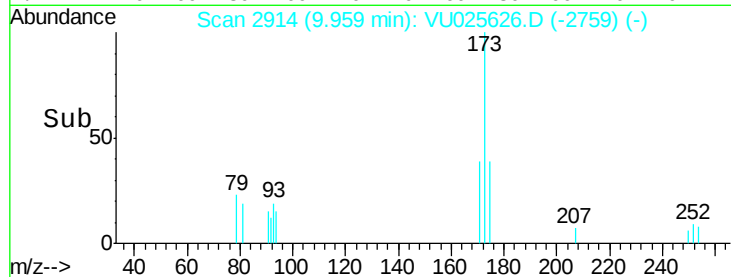
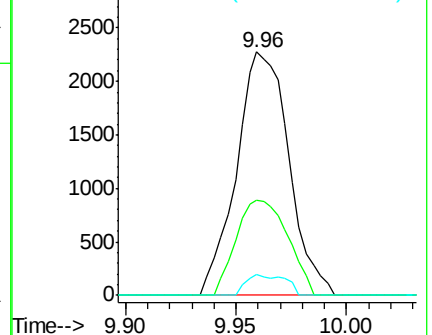
254 6.4 8.8 13.2#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.772 ug/l

RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

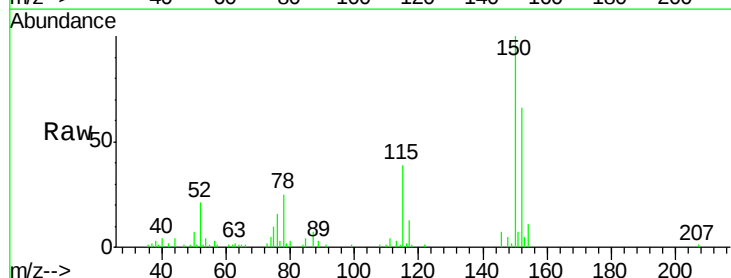
Tgt Ion:152 Resp: 19187

Ion Ratio Lower Upper

152 100

115 64.9 0.0 118.8

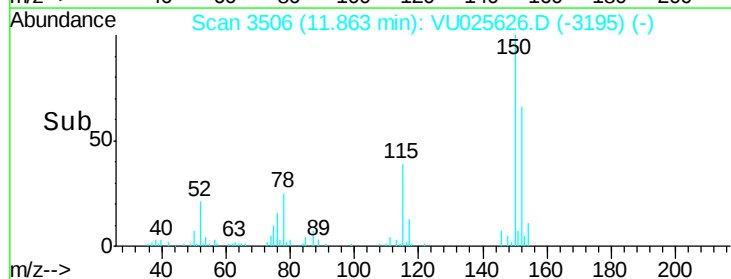
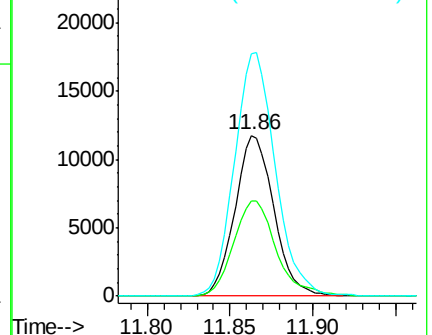
150 159.3 0.0 0.0#

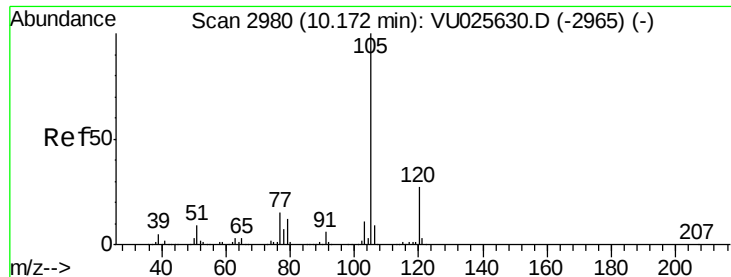


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.597 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

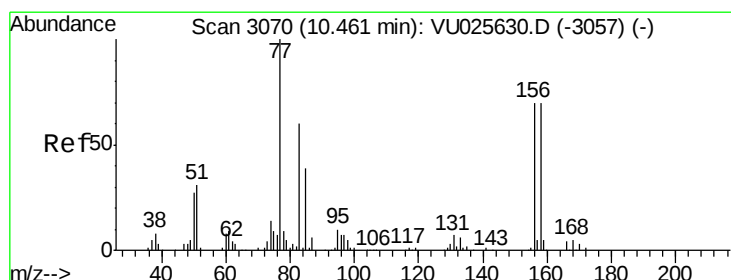
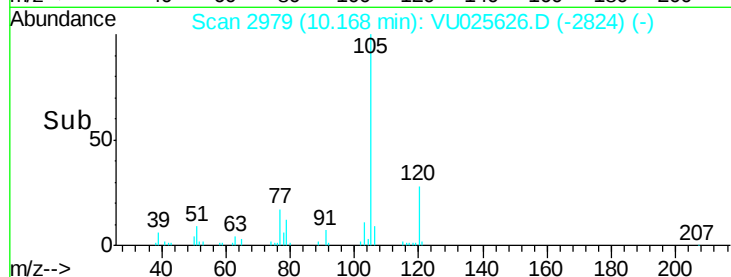
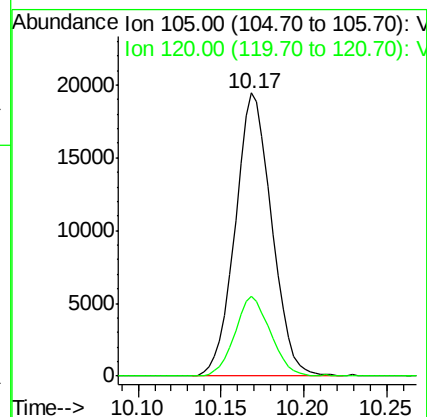
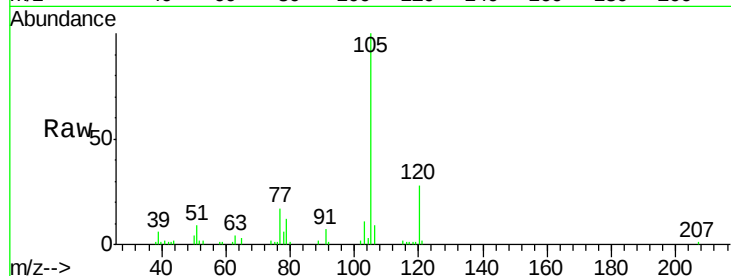
VSTDIC0.5

Tgt Ion:105 Resp: 29758

Ion Ratio Lower Upper

105 100

120 27.3 13.1 39.3



#70

1,1,2,2-Tetrachloroethane

Concen: 0.659 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

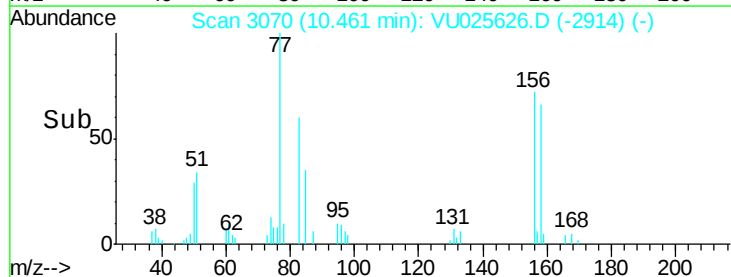
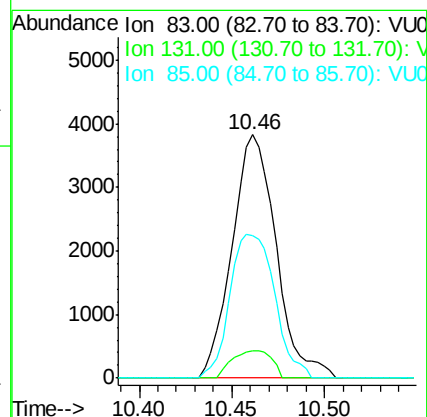
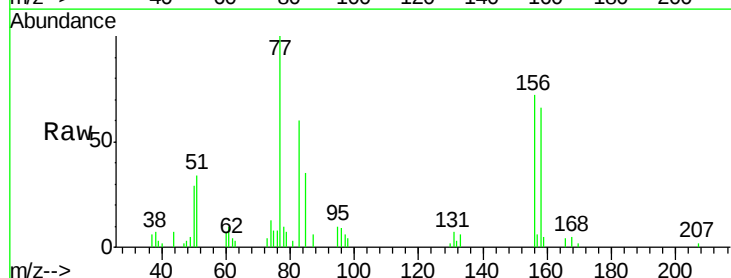
Tgt Ion: 83 Resp: 6324

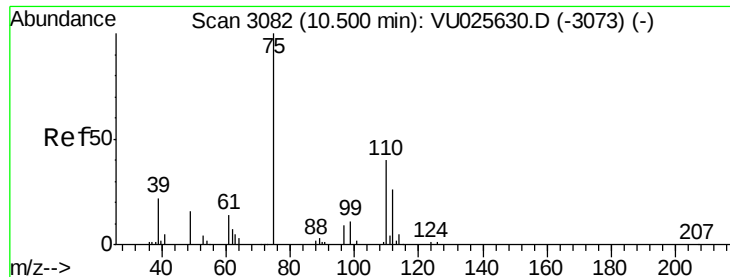
Ion Ratio Lower Upper

83 100

131 10.1 7.9 11.9

85 60.0 51.8 77.6





#71

1,2,3-Trichloropropane

Concen: 0.651 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampled :

VSTDIC0.5

Tgt Ion: 75 Resp: 4471

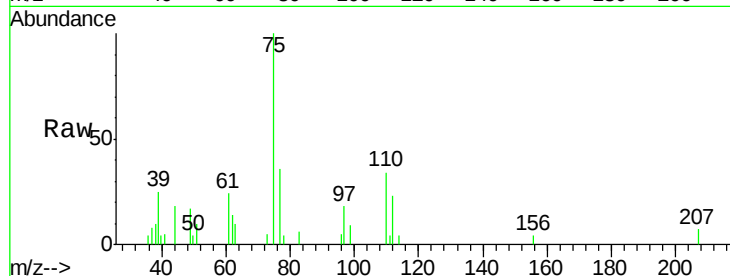
Ion Ratio Lower Upper

75 100

77 58.4 0.0 0.0#

110 32.9 0.0 74.0

97 18.0 0.0 39.6

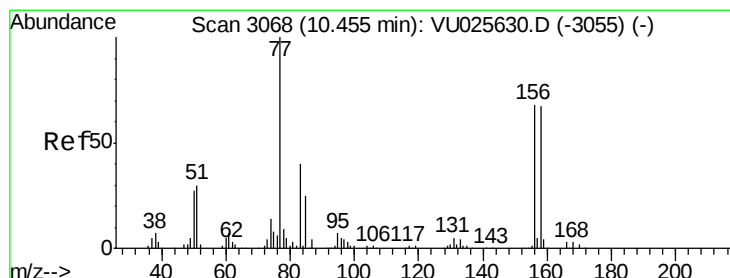
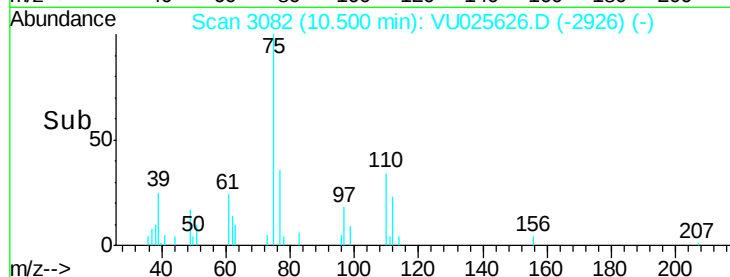
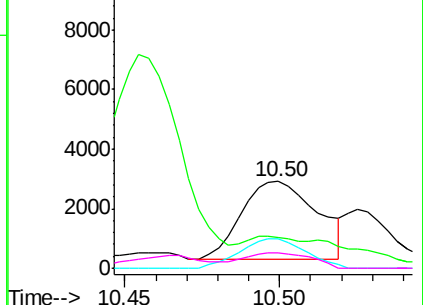


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 0.651 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

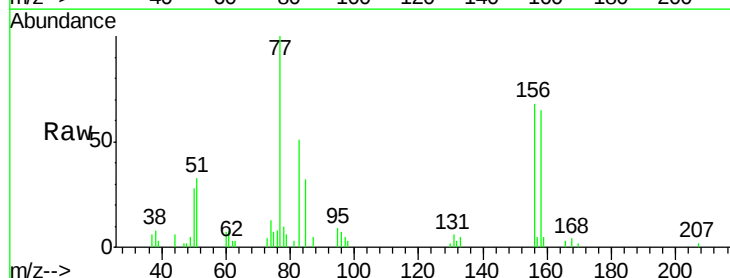
Tgt Ion: 156 Resp: 8075

Ion Ratio Lower Upper

156 100

77 149.7 0.0 309.8

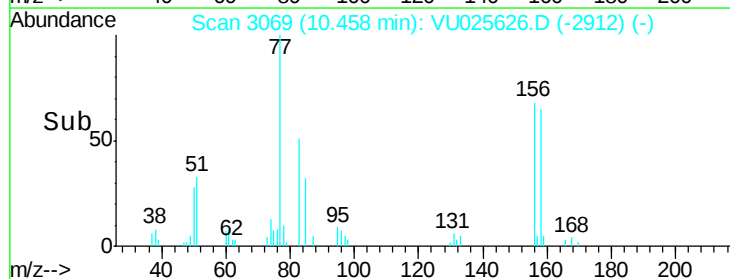
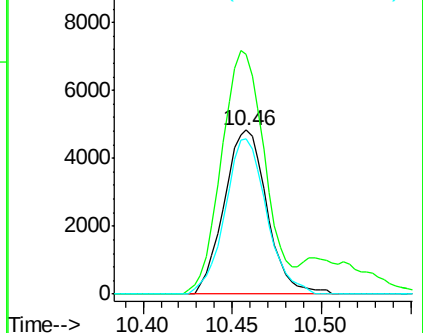
158 92.0 0.0 193.0

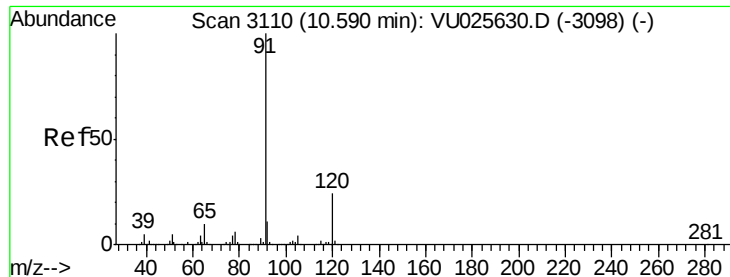


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V

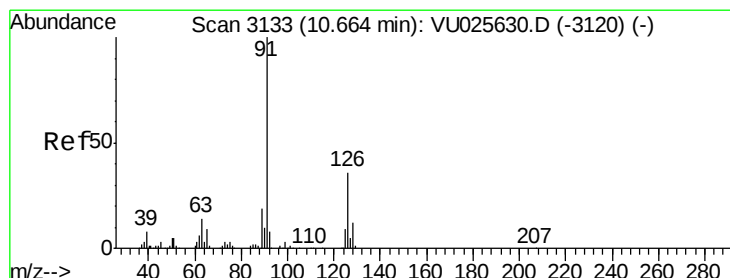
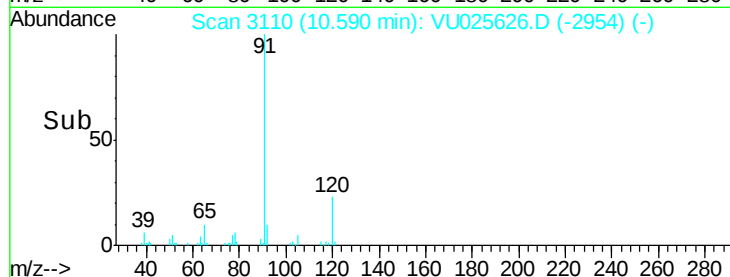
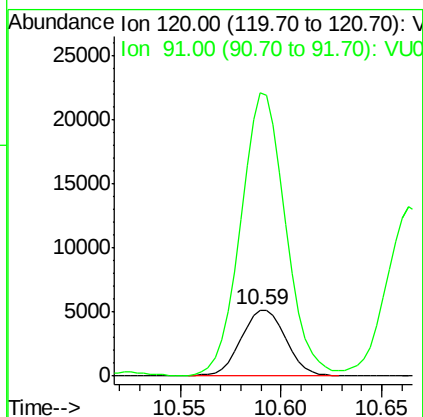
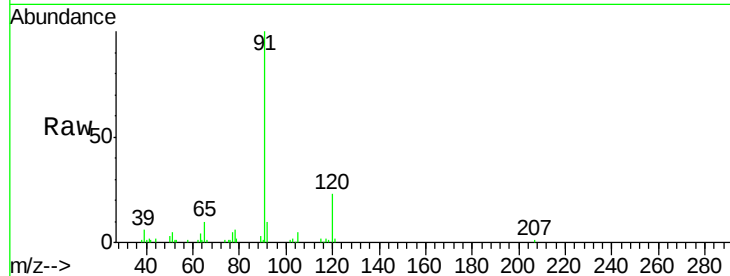




#73  
n-propylbenzene  
Concen: 0.584 ug/l  
RT: 10.59 min Scan# 3110  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

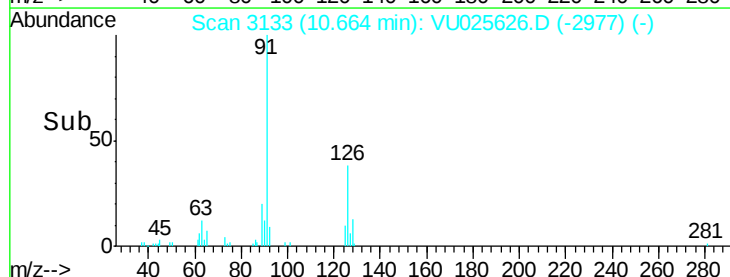
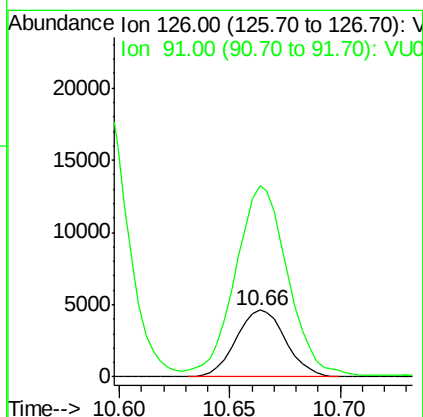
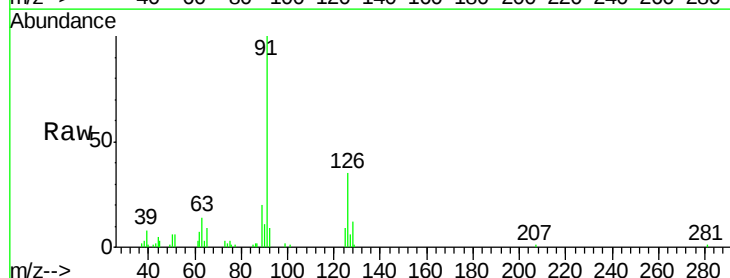
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

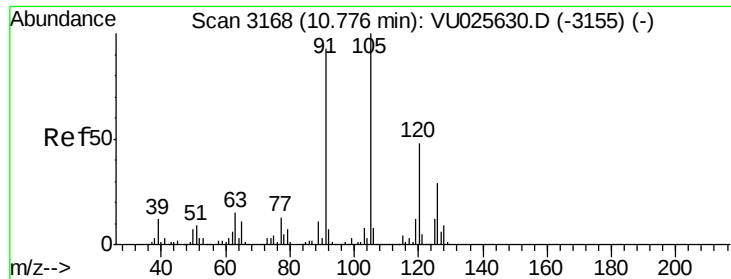
Tgt Ion:120 Resp: 8055  
Ion Ratio Lower Upper  
120 100  
91 428.1 352.2 528.4



#74  
2-Chlorotoluene  
Concen: 0.595 ug/l  
RT: 10.66 min Scan# 3133  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Tgt Ion:126 Resp: 7250  
Ion Ratio Lower Upper  
126 100  
91 296.7 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 0.582 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

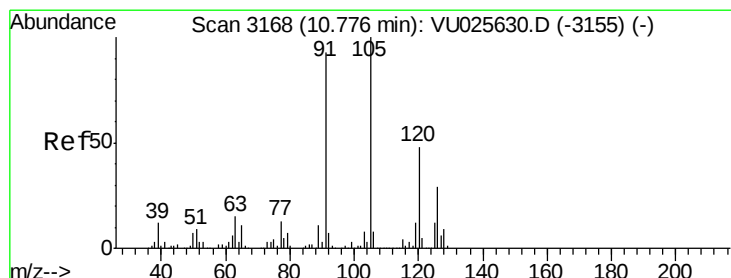
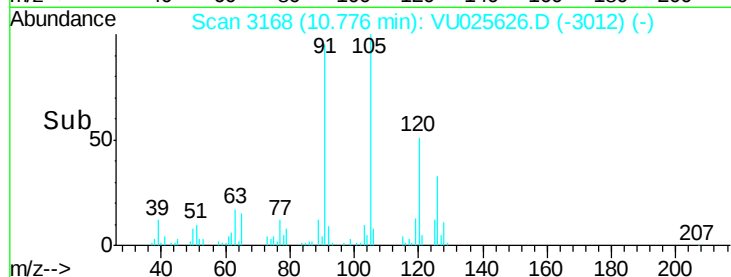
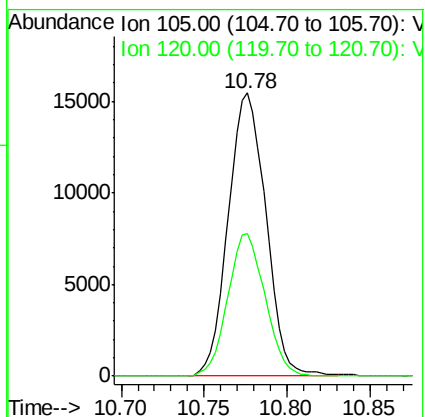
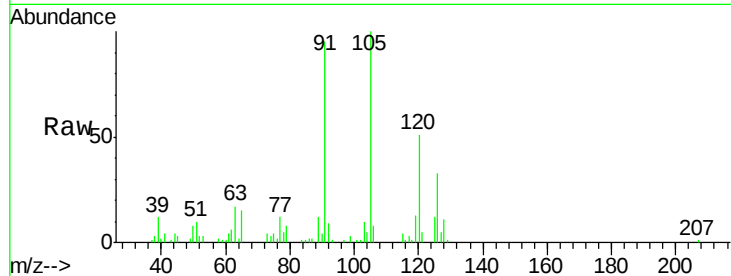
VSTDIC0.5

Tgt Ion:105 Resp: 24428

Ion Ratio Lower Upper

105 100

120 49.7 39.0 58.6



#76

4-Chlorotoluene

Concen: 0.619 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025626.D

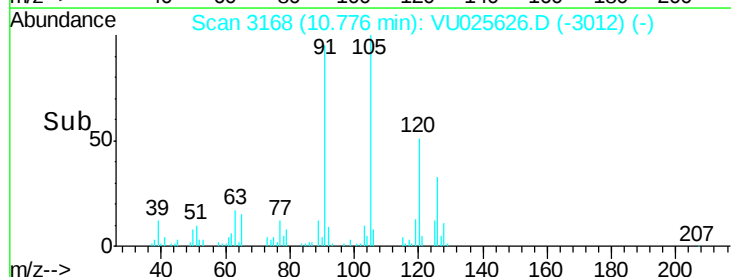
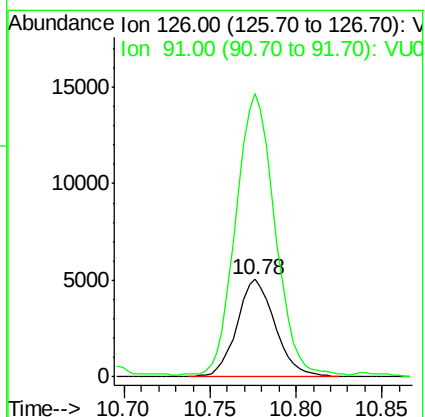
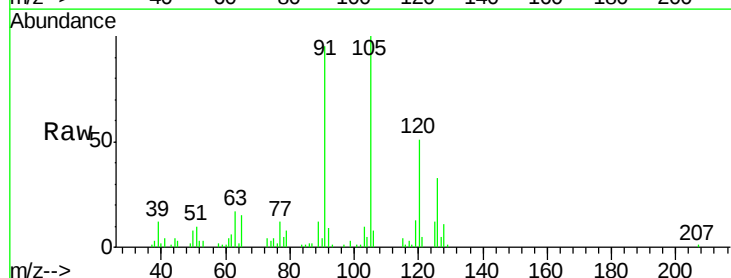
Acq: 25 Jul 2018 09:49

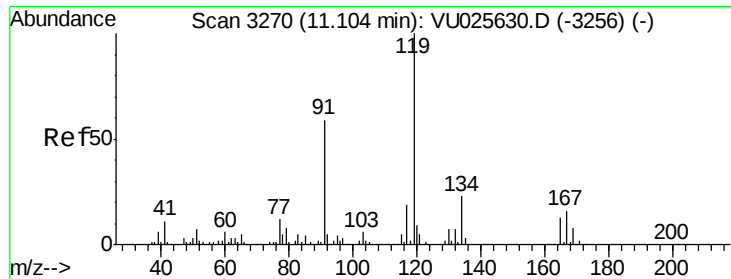
Tgt Ion:126 Resp: 7815

Ion Ratio Lower Upper

126 100

91 291.3 0.0 667.2





#77

tert-Butylbenzene

Concen: 0.643 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

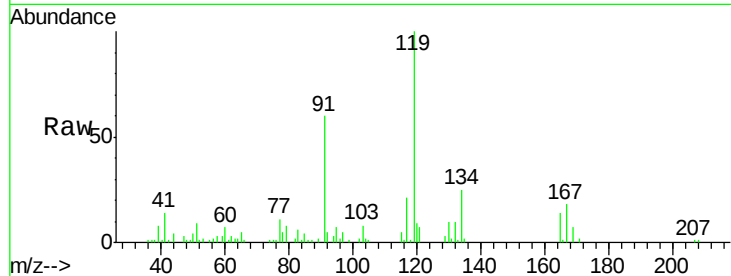
Tgt Ion:119 Resp: 25290

Ion Ratio Lower Upper

119 100

91 58.4 29.6 88.8

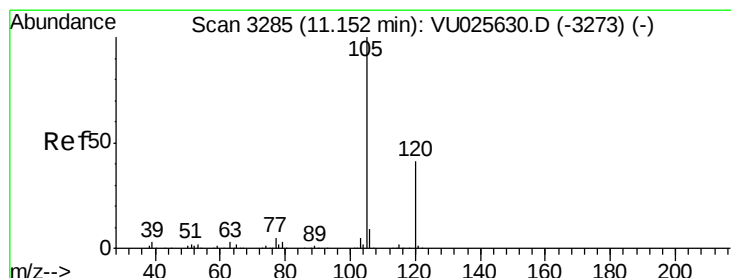
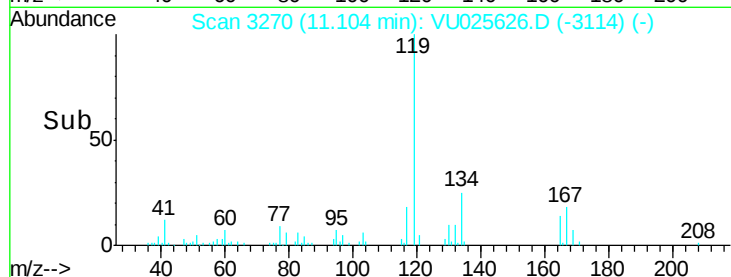
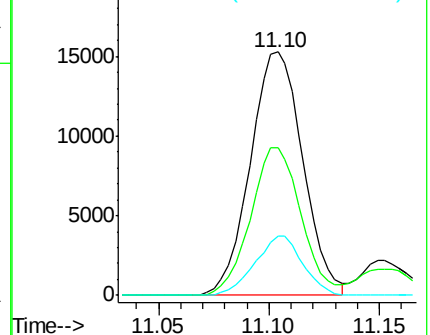
134 22.1 19.1 28.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.600 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025626.D

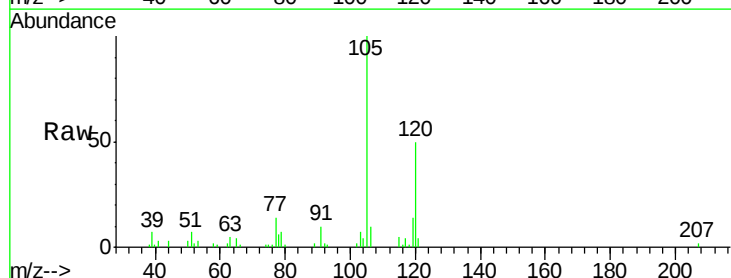
Acq: 25 Jul 2018 09:49

Tgt Ion:105 Resp: 25461

Ion Ratio Lower Upper

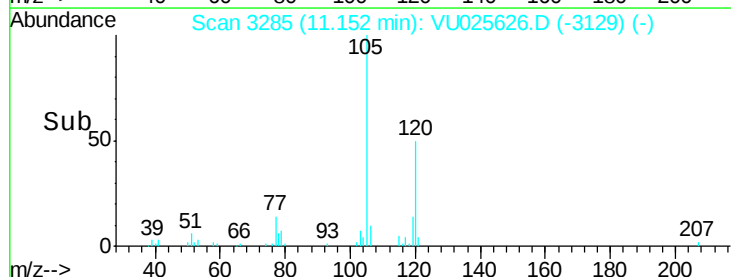
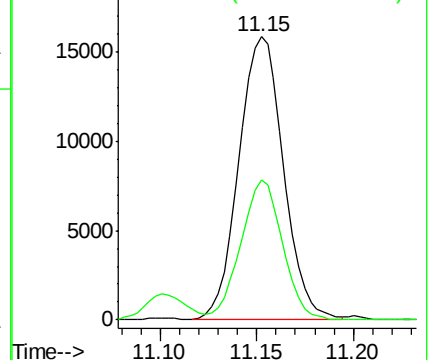
105 100

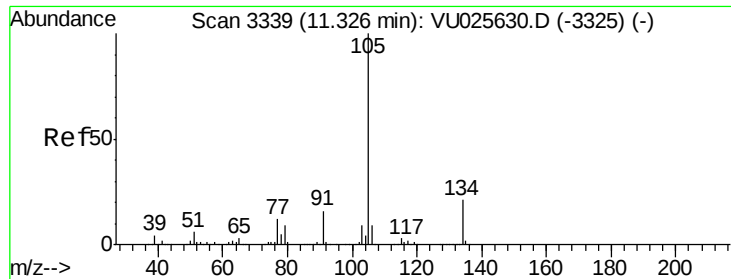
120 45.9 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.580 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

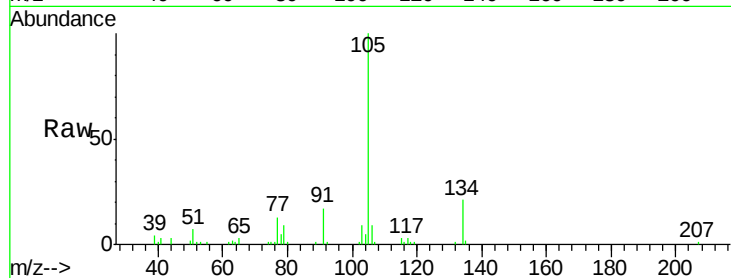
VSTDIC0.5

Tgt Ion:105 Resp: 31965

Ion Ratio Lower Upper

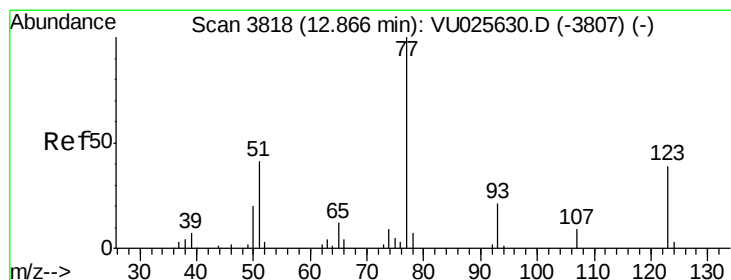
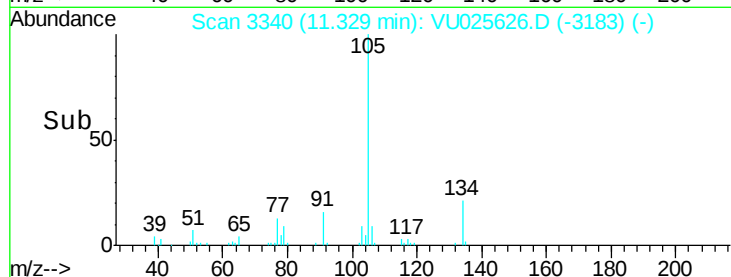
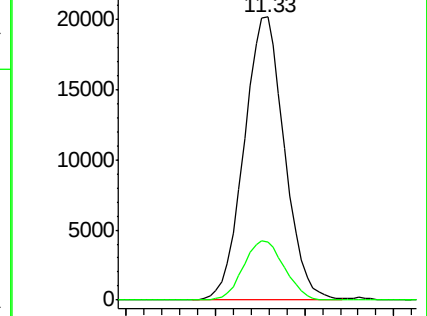
105 100

134 21.2 15.6 23.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 2.062 ug/l

RT: 12.87 min Scan# 3820

Delta R.T. 0.01 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

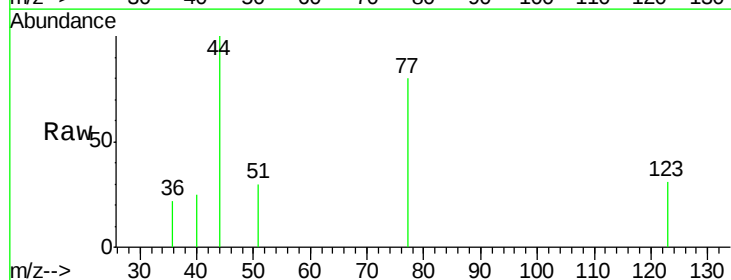
Tgt Ion: 77 Resp: 687

Ion Ratio Lower Upper

77 100

123 25.8 19.4 68.6

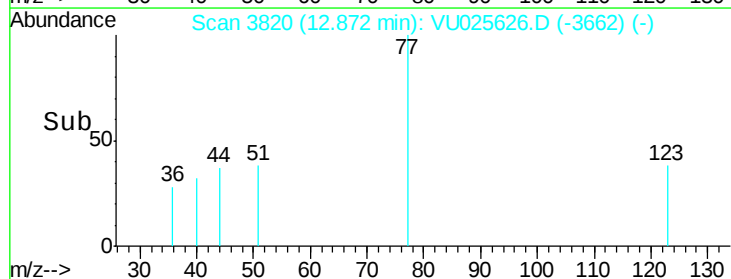
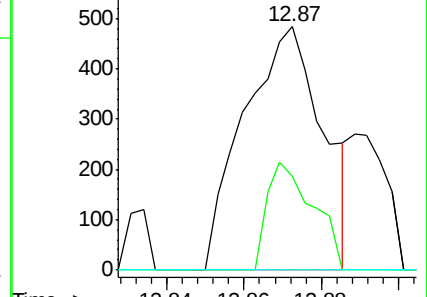
65 0.0 11.2 14.2#

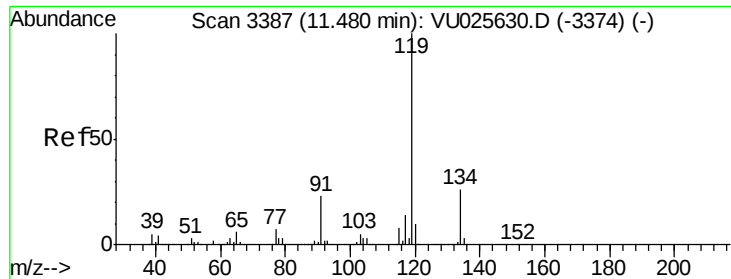


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

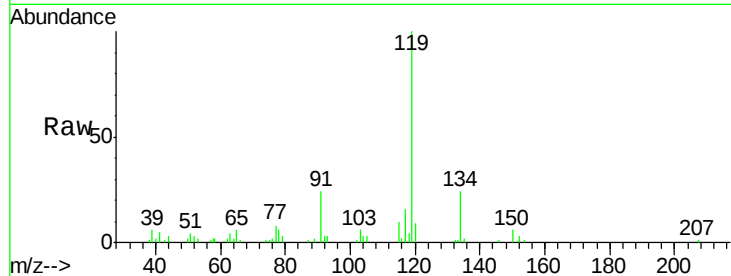




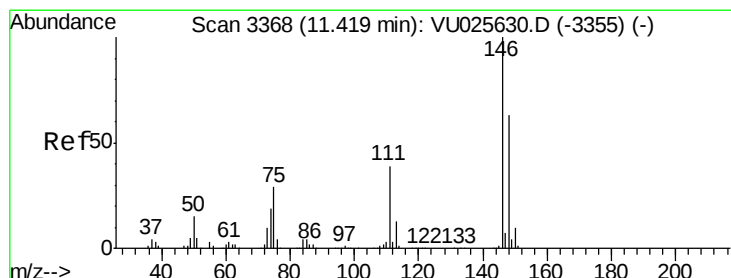
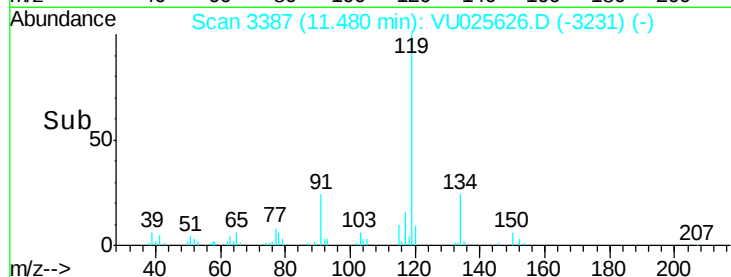
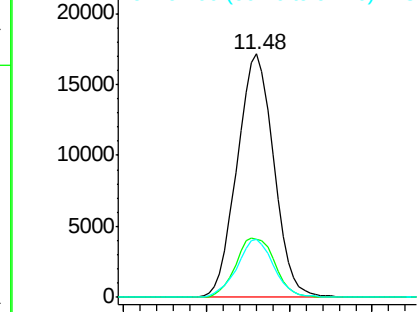
#81  
p-Isopropyltoluene  
Concen: 0.583 ug/l  
RT: 11.48 min Scan# 3387  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion:119 Resp: 26406  
Ion Ratio Lower Upper  
119 100  
134 25.9 20.9 31.3  
91 23.8 18.2 27.2

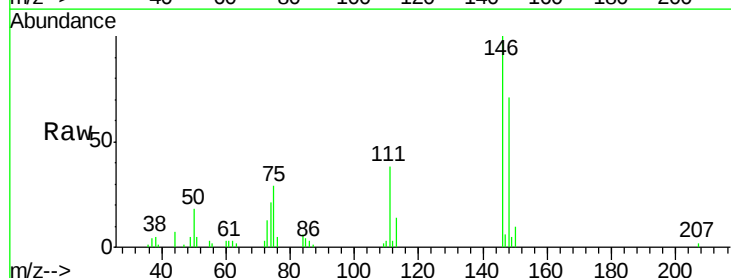


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V

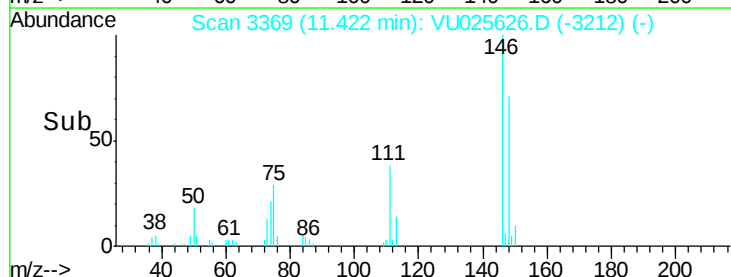
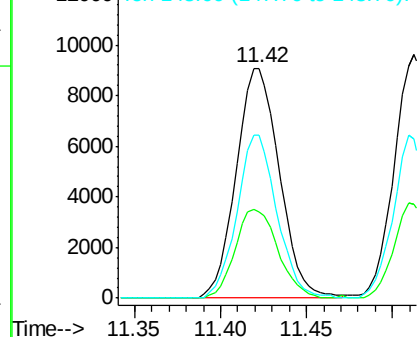


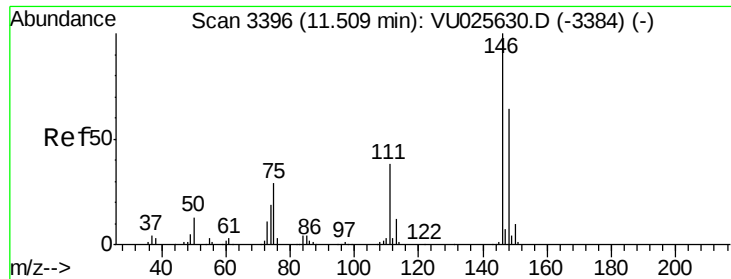
#82  
1,3-Dichlorobenzene  
Concen: 0.643 ug/l  
RT: 11.42 min Scan# 3369  
Delta R.T. 0.00 min  
Lab File: VU025626.D  
Acq: 25 Jul 2018 09:49

Tgt Ion:146 Resp: 15925  
Ion Ratio Lower Upper  
146 100  
111 38.0 31.8 47.6  
148 65.5 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V  
Ion 111.00 (110.70 to 111.70): V  
Ion 148.00 (147.70 to 148.70): V

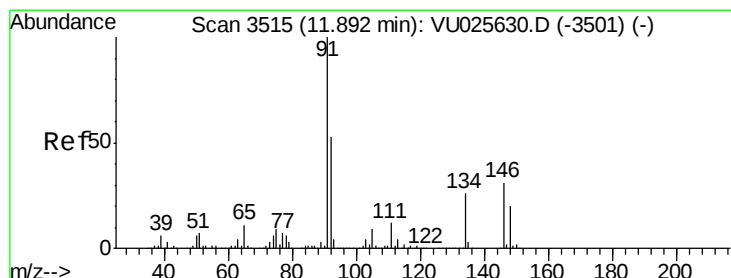
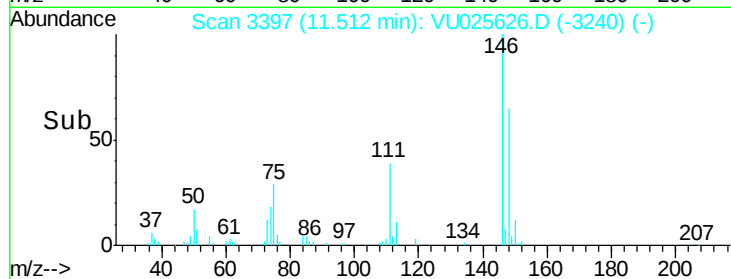
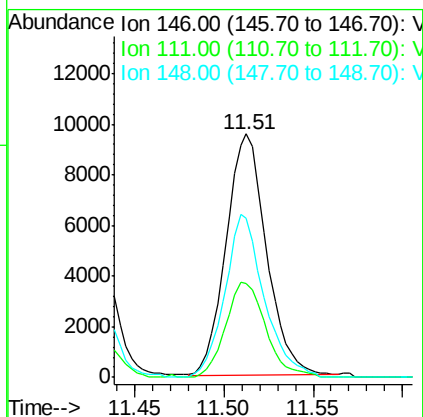
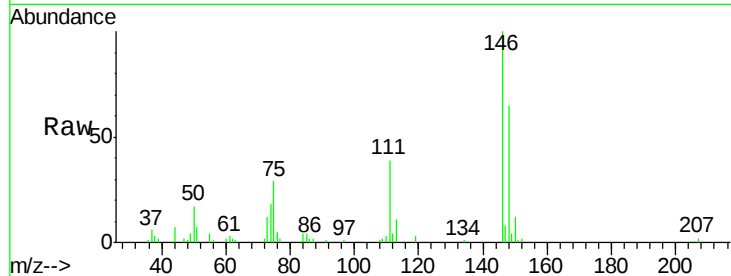




#83  
 1,4-Dichlorobenzene  
 Concen: 0.605 ug/l  
 RT: 11.51 min Scan# 3397  
 Delta R.T. 0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

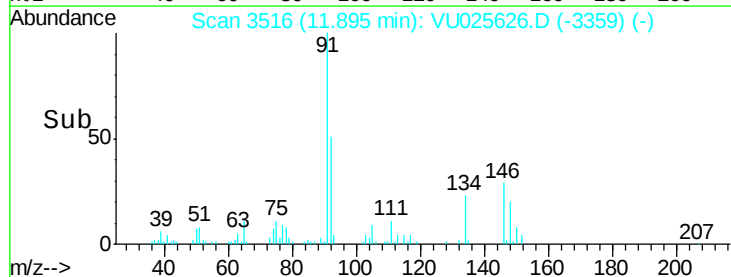
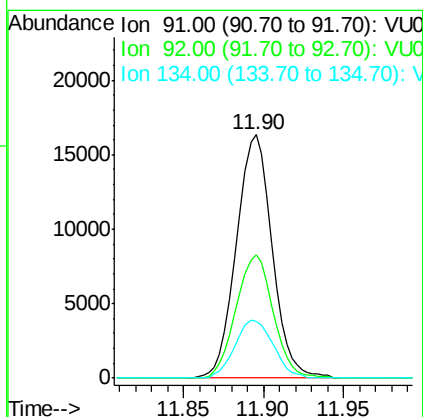
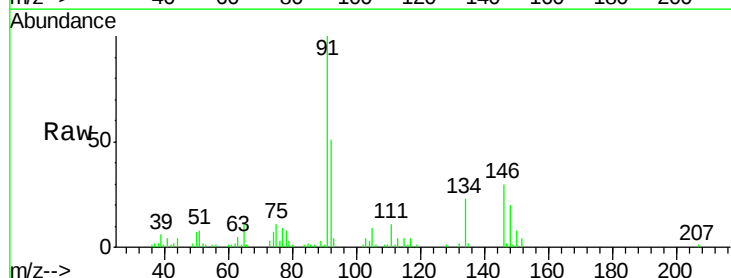
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

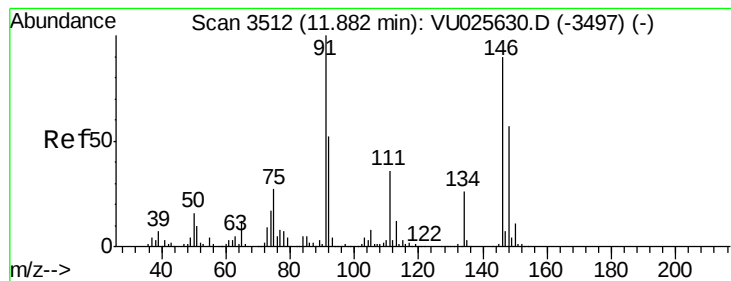
Tgt Ion: 146 Resp: 14958  
 Ion Ratio Lower Upper  
 146 100  
 111 39.3 30.1 45.1  
 148 65.9 50.6 76.0



#84  
 n-Butylbenzene  
 Concen: 0.562 ug/l  
 RT: 11.90 min Scan# 3516  
 Delta R.T. 0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

Tgt Ion: 91 Resp: 24863  
 Ion Ratio Lower Upper  
 91 100  
 92 52.9 42.2 63.2  
 134 25.3 20.3 30.5





#85

1,2-Dichlorobenzene

Concen: 0.659 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

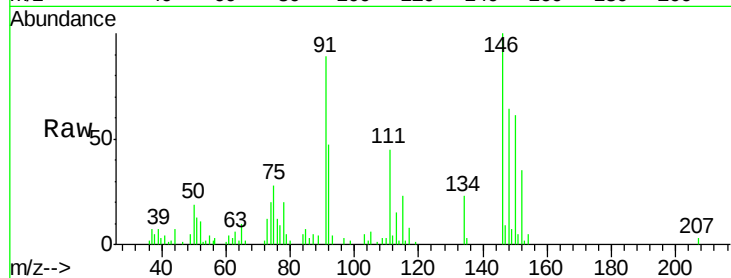
Tgt Ion:146 Resp: 14731

Ion Ratio Lower Upper

146 100

111 44.8 20.7 62.1

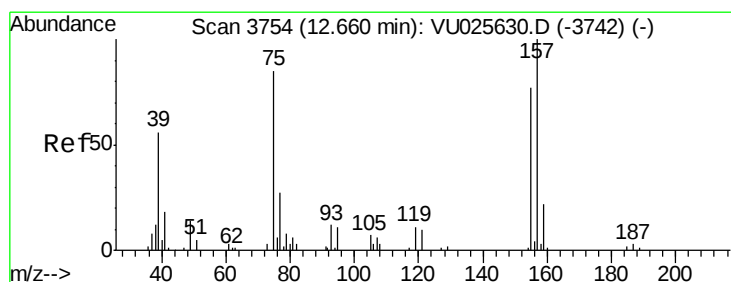
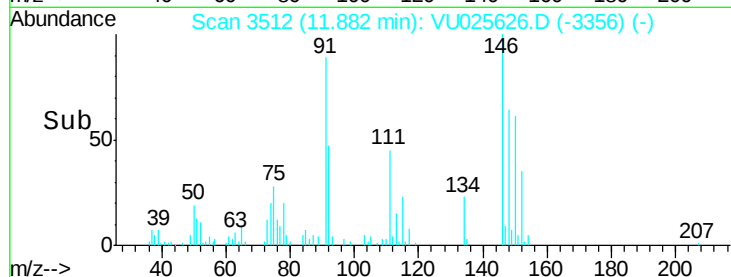
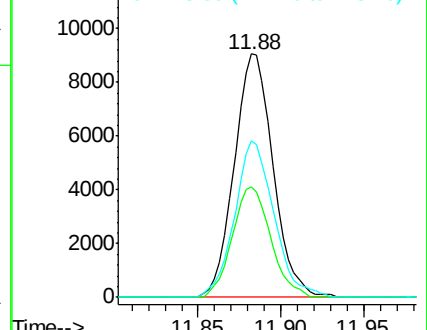
148 65.4 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.614 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

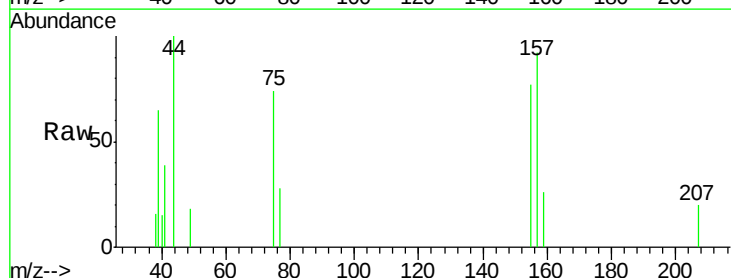
Tgt Ion: 75 Resp: 832

Ion Ratio Lower Upper

75 100

155 112.3 65.8 98.6#

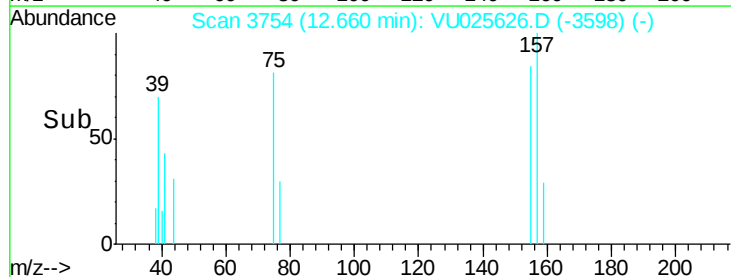
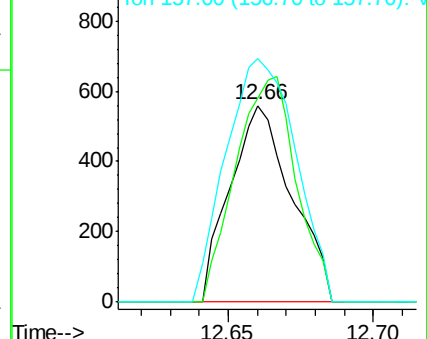
157 140.1 83.5 125.3#

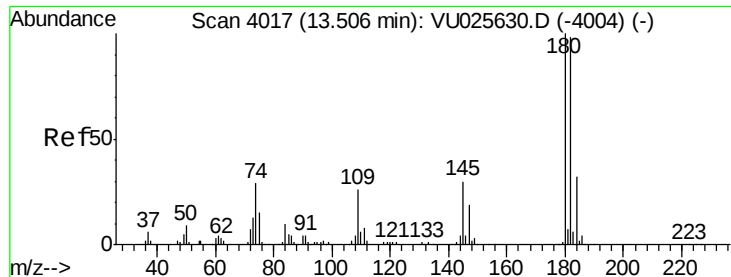


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

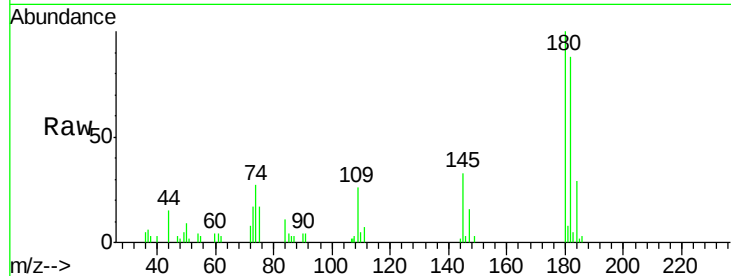




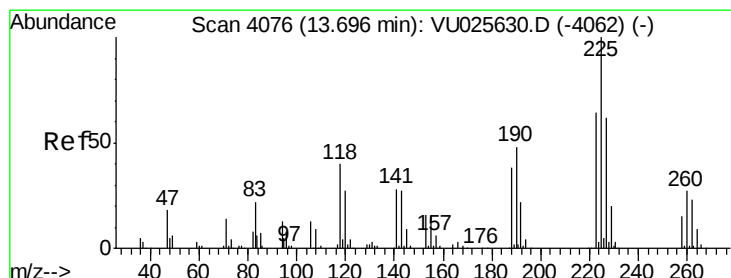
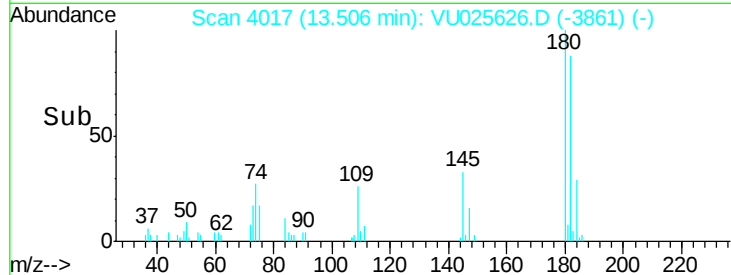
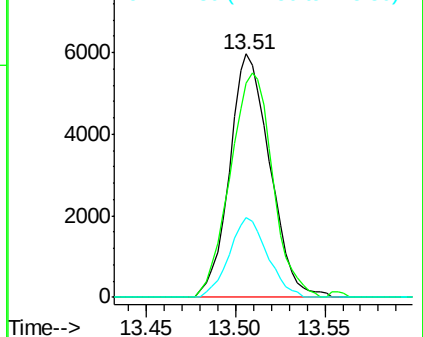
#87  
 1,2,4-Trichlorobenzene  
 Concen: 0.580 ug/l  
 RT: 13.51 min Scan# 4017  
 Delta R.T. 0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion:180 Resp: 9389  
 Ion Ratio Lower Upper  
 180 100  
 182 96.8 77.1 115.7  
 145 30.9 23.3 34.9

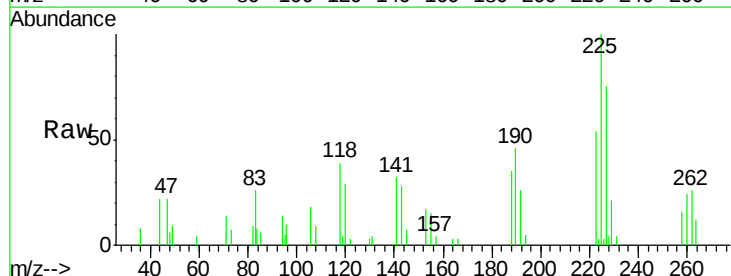


Abundance Ion 179.70 (179.40 to 180.40): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

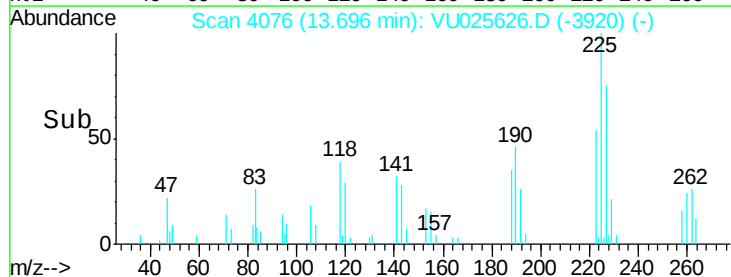
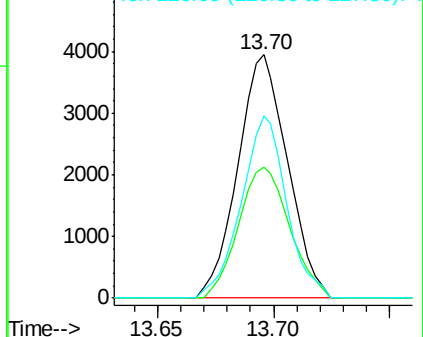


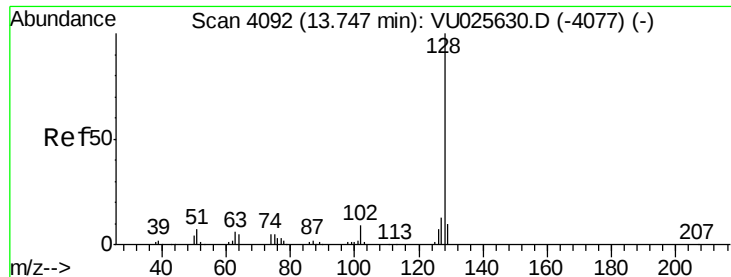
#88  
 Hexachlorobutadiene  
 Concen: 0.600 ug/l  
 RT: 13.70 min Scan# 4076  
 Delta R.T. 0.00 min  
 Lab File: VU025626.D  
 Acq: 25 Jul 2018 09:49

Tgt Ion:225 Resp: 5883  
 Ion Ratio Lower Upper  
 225 100  
 223 55.3 50.6 75.8  
 227 68.3 51.8 77.6



Abundance Ion 224.60 (224.30 to 225.30): V  
 Ion 222.60 (222.30 to 223.30): V  
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.620 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

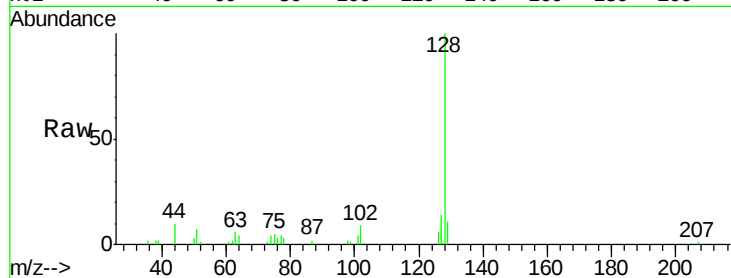
Tgt Ion:128 Resp: 15103

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

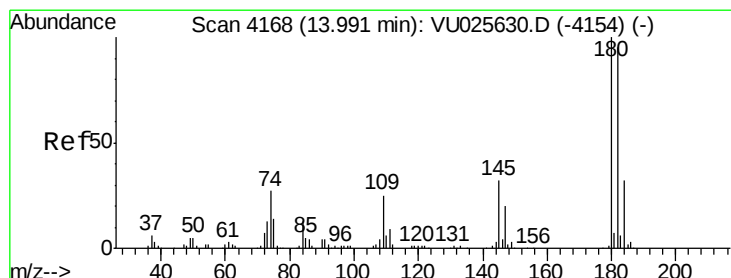
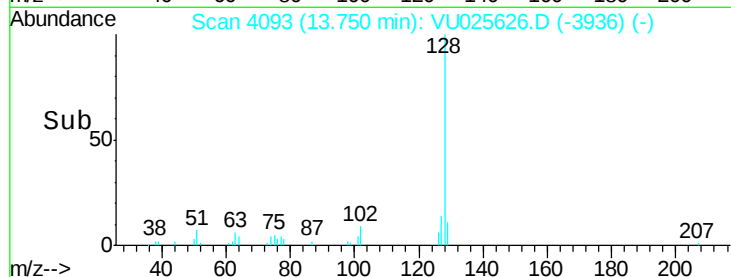
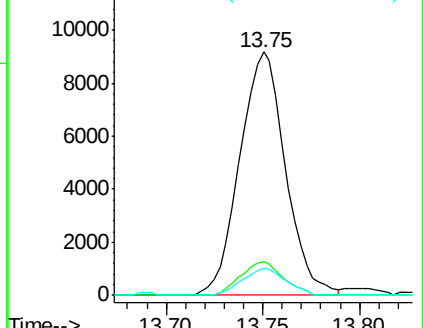
129 10.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.578 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025626.D

Acq: 25 Jul 2018 09:49

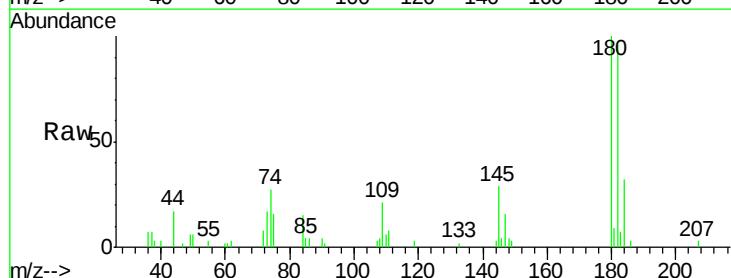
Tgt Ion:180 Resp: 8778

Ion Ratio Lower Upper

180 100

182 95.2 76.8 115.2

145 29.9 24.6 36.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

