

Data File : VU029834.D  
Acq On : 06 Mar 2019 11:14  
Operator : JC/SP  
Sample : VSTDICCC010  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Quant Time: Mar 07 01:05:50 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\524U030719DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Mar 07 01:00:11 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
| 1) Fluorobenzene   | 5.74 | 96   | 66017    | 1.00 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                            |       |     |          |      |         |      |
|----------------------------|-------|-----|----------|------|---------|------|
| 57) 4-Bromofluorobenzene   | 10.31 | 95  | 24354    | 1.03 | ug/l    | 0.00 |
| Spiked Amount 1.000        |       |     | Recovery | =    | 103.00% |      |
| 68) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 27453    | 1.00 | ug/l    | 0.00 |
| Spiked Amount 1.000        |       |     | Recovery | =    | 100.00% |      |

#### Target Compounds

|                               |      |     |        |             | Qvalue |
|-------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 211491 | 9.574 ug/l  | 100    |
| 3) Chloromethane              | 1.33 | 50  | 187602 | 9.537 ug/l  | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 216474 | 9.783 ug/l  | 100    |
| 5) Bromomethane               | 1.62 | 94  | 127921 | 8.465 ug/l  | 100    |
| 6) Chloroethane               | 1.69 | 64  | 127849 | 9.635 ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 292873 | 9.712 ug/l  | 100    |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.28 | 101 | 171682 | 9.786 ug/l  | 100    |
| 9) 1,1-Dichloroethene         | 2.28 | 96  | 167266 | 9.741 ug/l  | 100    |
| 10) Iodomethane               | 2.41 | 142 | 190516 | 12.797 ug/l | 100    |
| 11) Allyl Chloride            | 2.59 | 41  | 232031 | 9.612 ug/l  | 100    |
| 12) Acrylonitrile             | 2.93 | 53  | 71899  | 19.203 ug/l | 100    |
| 13) Acetone                   | 2.32 | 43  | 142595 | 45.983 ug/l | 100    |
| 14) Carbon Disulfide          | 2.47 | 76  | 540355 | 9.717 ug/l  | 100    |
| 15) Methylene Chloride        | 2.69 | 84  | 188005 | 9.124 ug/l  | 100    |
| 16) trans-1,2-Dichloroethene  | 2.97 | 96  | 186320 | 9.605 ug/l  | 100    |
| 17) 1,1-Dichloroethane        | 3.44 | 63  | 309531 | 9.537 ug/l  | 100    |
| 18) 2-Butanone                | 4.27 | 43  | 216145 | 51.288 ug/l | 100    |
| 19) Cyclohexane               | 4.99 | 56  | 223242 | 9.065 ug/l  | 100    |
| 20) Methylcyclohexane         | 6.41 | 83  | 303991 | 10.357 ug/l | 100    |
| 21) 2,2-Dichloropropane       | 4.22 | 77  | 255343 | 9.625 ug/l  | 100    |
| 22) cis-1,2-Dichloroethene    | 4.22 | 96  | 202649 | 9.857 ug/l  | 100    |
| 23) Diethyl Ether             | 2.10 | 59  | 126616 | 9.835 ug/l  | 100    |
| 24) tert-Butyl Alcohol        | 2.84 | 59  | 129553 | 97.555 ug/l | 100    |
| 25) Methyl tert-Butyl Ether   | 3.00 | 73  | 421781 | 9.754 ug/l  | 100    |
| 26) Bromochloromethane        | 4.54 | 128 | 88478  | 9.694 ug/l  | 100    |
| 27) Chloroform                | 4.67 | 83  | 317877 | 9.672 ug/l  | 100    |
| 28) 1,1,1-Trichloroethane     | 4.91 | 97  | 276406 | 9.919 ug/l  | 100    |
| 29) 1,1-Dichloropropene       | 5.13 | 75  | 247140 | 9.980 ug/l  | 100    |
| 30) Carbon Tetrachloride      | 5.13 | 117 | 245048 | 10.080 ug/l | 100    |
| 31) Isopropyl Ether           | 3.58 | 45  | 439455 | 9.817 ug/l  | 100    |
| 32) Ethyl-t-butyl ether       | 4.07 | 59  | 436310 | 10.027 ug/l | 100    |
| 33) Tert-Amyl methyl ether    | 5.58 | 73  | 410860 | 10.211 ug/l | 100    |
| 34) Propionitrile             | 4.33 | 54  | 67038  | 53.476 ug/l | 100    |
| 35) Benzene                   | 5.38 | 78  | 717246 | 9.832 ug/l  | 100    |
| 36) 1,2-Dichloroethane        | 5.40 | 62  | 195872 | 9.831 ug/l  | 100    |
| 37) Trichloroethene           | 6.18 | 130 | 208777 | 9.803 ug/l  | 100    |
| 38) 1,2-Dichloropropane       | 6.43 | 63  | 182575 | 9.888 ug/l  | 100    |
| 39) Methacrylonitrile         | 4.55 | 41  | 52897  | 10.031 ug/l | 100    |
| 40) Methyl acrylate           | 4.42 | 55  | 85016  | 10.200 ug/l | 100    |
| 41) Tetrahydrofuran           | 4.65 | 42  | 52946  | 19.196 ug/l | 100    |
| 42) 1-Chlorobutane            | 5.06 | 56  | 318610 | 10.071 ug/l | 100    |

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QLast Update : Thu Mar 07 01:00:11 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) Dibromomethane             | 6.56  | 93   | 95930    | 10.024 | ug/l  | 100      |
| 44) Bromodichloromethane       | 6.75  | 83   | 233413   | 9.931  | ug/l  | 100      |
| 45) 4-Methyl-2-Pentanone       | 7.46  | 43   | 515658   | 51.664 | ug/l  | 100      |
| 46) t-1,4-Dichloro-2-butene    | 10.49 | 75   | 107029   | 24.634 | ug/l  | 88       |
| 47) Methyl methacrylate        | 6.62  | 69   | 173894   | 21.175 | ug/l  | 100      |
| 48) Ethyl methacrylate         | 8.02  | 69   | 173370   | 11.018 | ug/l  | 100      |
| 49) Toluene                    | 7.63  | 92   | 464768   | 10.375 | ug/l  | 100      |
| 50) t-1,3-Dichloropropene      | 7.88  | 75   | 215221   | 10.449 | ug/l  | 100      |
| 51) cis-1,3-Dichloropropene    | 7.27  | 75   | 263553   | 10.336 | ug/l  | 100      |
| 52) 1,1,2-Trichloroethane      | 8.06  | 97   | 137382   | 9.698  | ug/l  | 100      |
| 53) 1,3-Dichloropropane        | 8.24  | 76   | 230551   | 9.923  | ug/l  | 100      |
| 54) 2-Hexanone                 | 8.36  | 43   | 367594   | 53.030 | ug/l  | 100      |
| 55) Dibromochloromethane       | 8.47  | 129  | 171790   | 10.218 | ug/l  | 100      |
| 56) 1,2-Dibromoethane          | 8.58  | 107  | 132932   | 9.897  | ug/l  | 100      |
| 58) Tetrachloroethene          | 8.22  | 164  | 211839   | 9.738  | ug/l  | 100      |
| 59) Chlorobenzene              | 9.12  | 112  | 524631   | 10.190 | ug/l  | 100      |
| 60) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 183722   | 9.948  | ug/l  | 100      |
| 61) Pentachloroethane          | 11.10 | 117  | 132554   | 10.309 | ug/l  | 100      |
| 62) Hexachloroethane           | 12.14 | 117  | 144769   | 10.702 | ug/l  | 100      |
| 63) Ethyl Benzene              | 9.25  | 91   | 888746   | 10.538 | ug/l  | 100      |
| 64) m/p-Xylenes                | 9.37  | 106  | 717636   | 21.524 | ug/l  | 100      |
| 65) o-Xylene                   | 9.77  | 106  | 343031   | 10.713 | ug/l  | 100      |
| 66) Styrene                    | 9.79  | 104  | 578232   | 10.870 | ug/l  | 100      |
| 67) Bromoform                  | 9.95  | 173  | 104182   | 10.551 | ug/l  | 100      |
| 69) Isopropylbenzene           | 10.16 | 105  | 902217   | 10.625 | ug/l  | 100      |
| 70) 1,1,2,2-Tetrachloroethane  | 10.45 | 83   | 171936   | 9.952  | ug/l  | 100      |
| 71) 1,2,3-Trichloropropane     | 10.49 | 75   | 107029   | 8.554  | ug/l  | 91       |
| 72) Bromobenzene               | 10.45 | 156  | 230985   | 10.277 | ug/l  | 100      |
| 73) n-propylbenzene            | 10.59 | 120  | 258362   | 10.823 | ug/l  | 100      |
| 74) 2-Chlorotoluene            | 10.66 | 126  | 220075   | 10.393 | ug/l  | 100      |
| 75) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 775703   | 10.844 | ug/l  | 100      |
| 76) 4-Chlorotoluene            | 10.77 | 126  | 230334   | 10.667 | ug/l  | 100      |
| 77) tert-Butylbenzene          | 11.10 | 119  | 762677   | 10.776 | ug/l  | 100      |
| 78) 1,2,4-Trimethylbenzene     | 11.14 | 105  | 791042   | 10.944 | ug/l  | 100      |
| 79) sec-Butylbenzene           | 11.32 | 105  | 1016453  | 10.837 | ug/l  | 100      |
| 80) Nitrobenzene               | 12.86 | 77   | 18142    | 55.017 | ug/l  | 100      |
| 81) p-Isopropyltoluene         | 11.47 | 119  | 864742   | 11.012 | ug/l  | 100      |
| 82) 1,3-Dichlorobenzene        | 11.41 | 146  | 458964   | 10.311 | ug/l  | 100      |
| 83) 1,4-Dichlorobenzene        | 11.50 | 146  | 450850   | 10.366 | ug/l  | 100      |
| 84) n-Butylbenzene             | 11.89 | 91   | 782852   | 10.942 | ug/l  | 100      |
| 85) 1,2-Dichlorobenzene        | 11.87 | 146  | 426639   | 10.165 | ug/l  | 100      |
| 86) 1,2-Dibromo-3-Chloropropan | 12.65 | 75   | 26573    | 10.773 | ug/l  | 100      |
| 87) 1,2,4-Trichlorobenzene     | 13.50 | 180  | 294521   | 10.957 | ug/l  | 100      |
| 88) Hexachlorobutadiene        | 13.69 | 225  | 172360   | 10.180 | ug/l  | 100      |
| 89) Naphthalene                | 13.74 | 128  | 505773   | 11.772 | ug/l  | 100      |
| 90) 1,2,3-Trichlorobenzene     | 13.98 | 180  | 276593   | 10.953 | ug/l  | 100      |

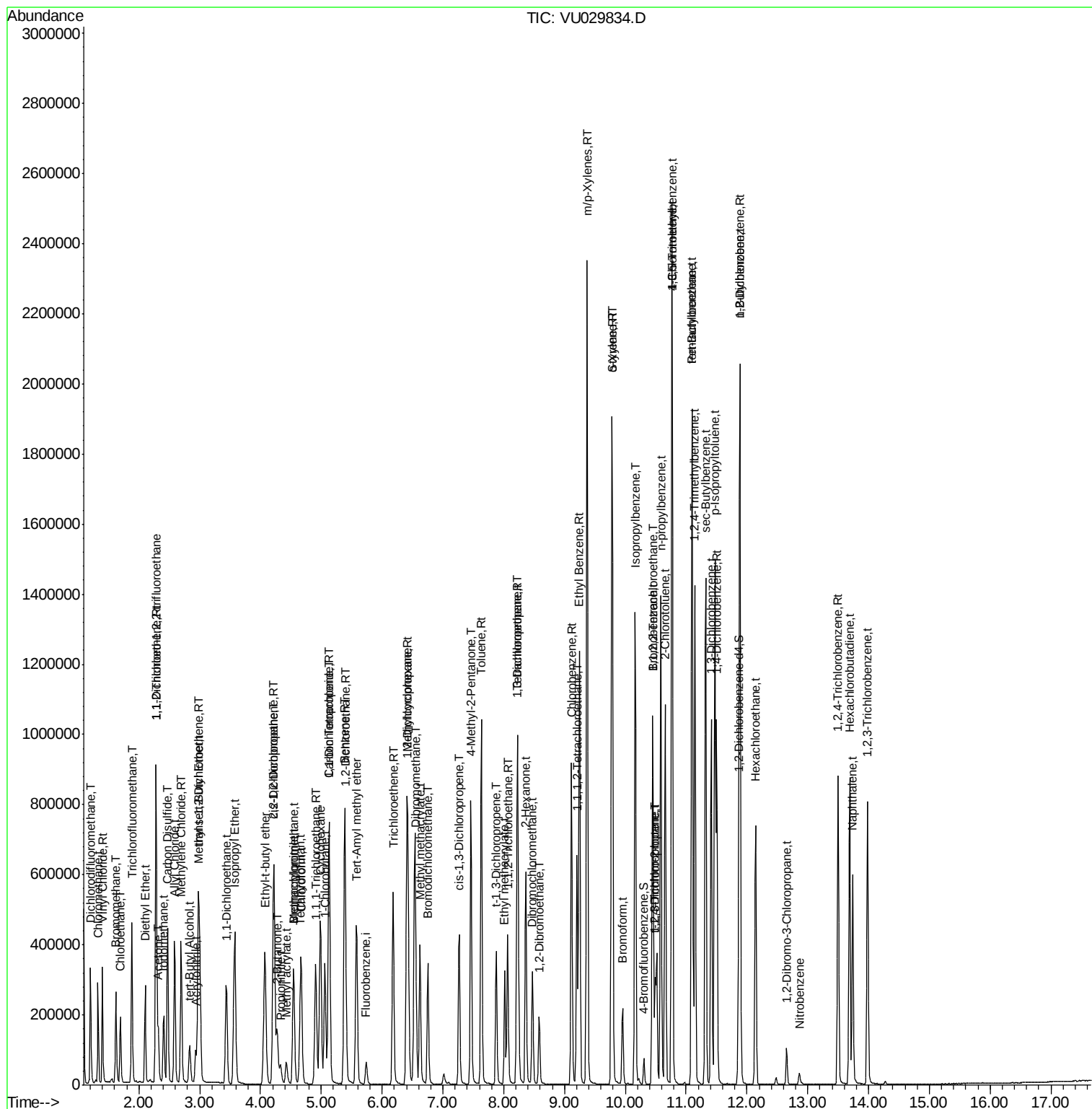
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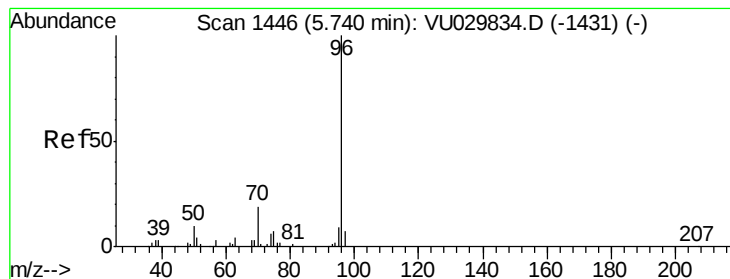
Data File : VU029834.D

```
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VSTDICCC010

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Mar 07 01:00:11 2019  
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 96 Resp: 66017

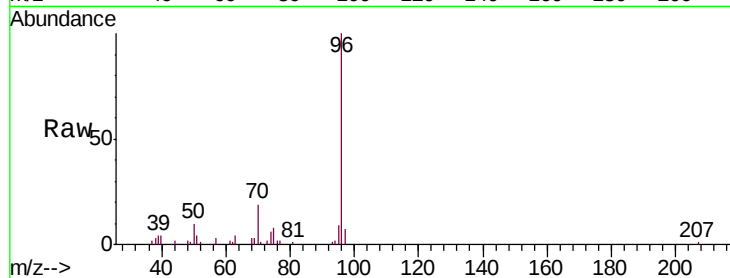
Ion Ratio Lower Upper

96 100

70 18.0 14.4 21.6

95 8.8 7.0 10.6

97 0.0 0.0 0.0

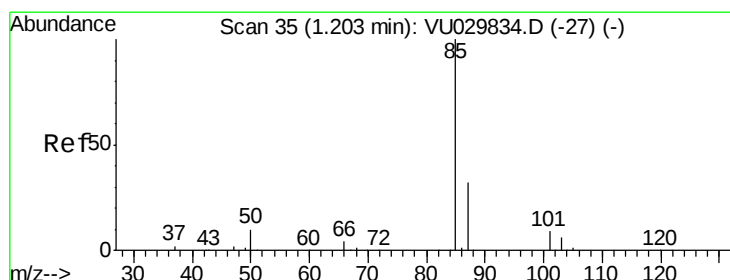
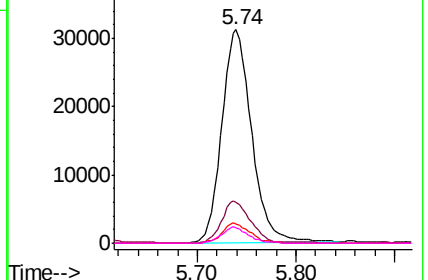
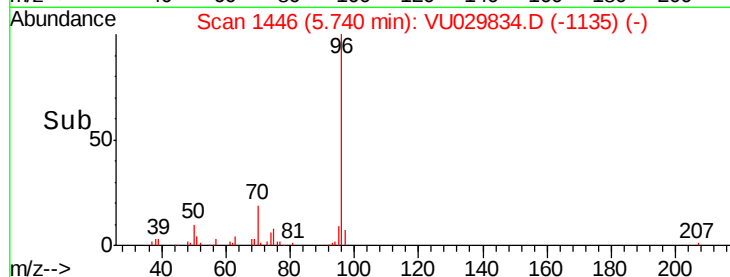


Abundance Ion 96.00 (95.70 to 96.70): VU029834.D (-1431) (-)

Ion 70.00 (69.70 to 70.70): VU029834.D (-1431) (-)

Ion 95.00 (94.70 to 95.70): VU029834.D (-1431) (-)

Ion 97.00 (96.70 to 97.70): VU029834.D (-1431) (-)



#2

Dichlorodifluoromethane

Concen: 9.574 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU029834.D

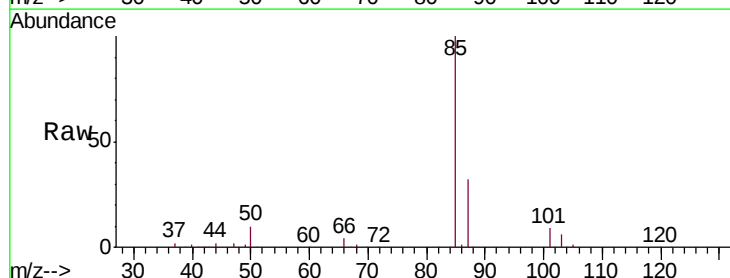
Acq: 06 Mar 2019 11:14

Tgt Ion: 85 Resp: 211491

Ion Ratio Lower Upper

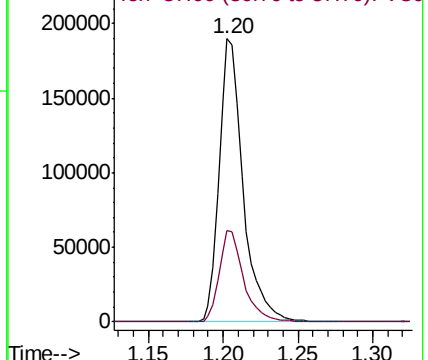
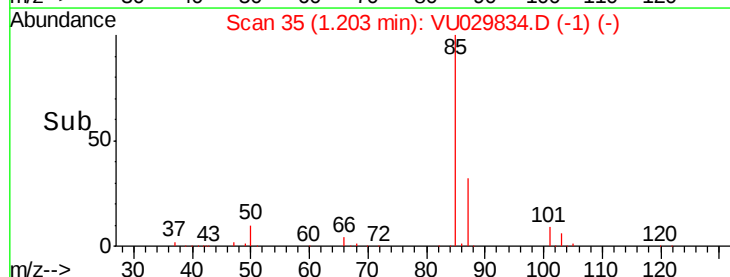
85 100

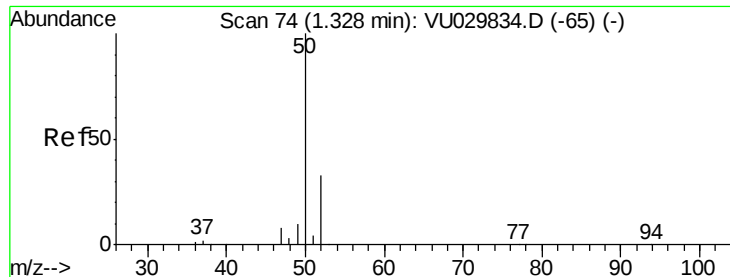
87 32.4 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU029834.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU029834.D (-27) (-)





#3

Chloromethane

Concen: 9.537 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

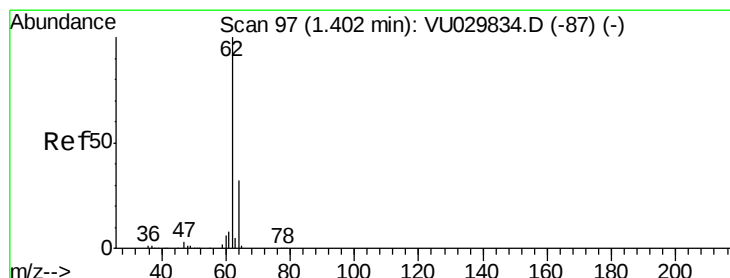
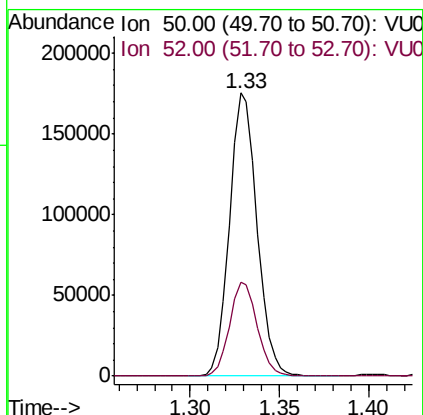
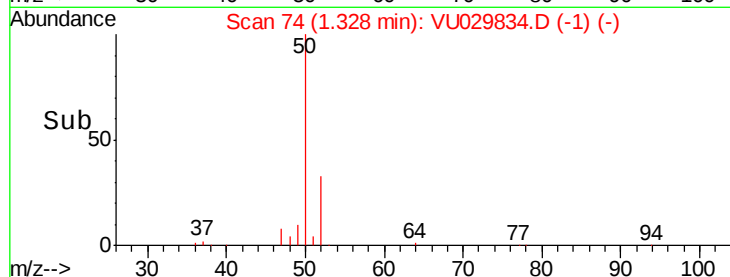
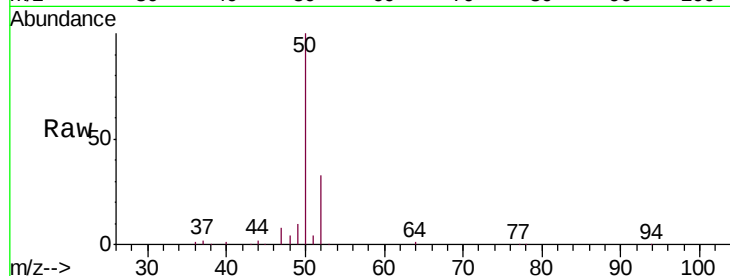
VSTDICCC010

Tgt Ion: 50 Resp: 187602

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 9.783 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029834.D

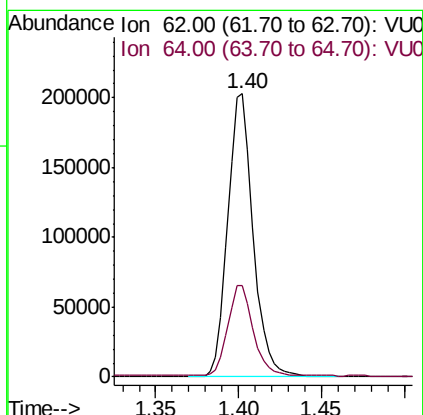
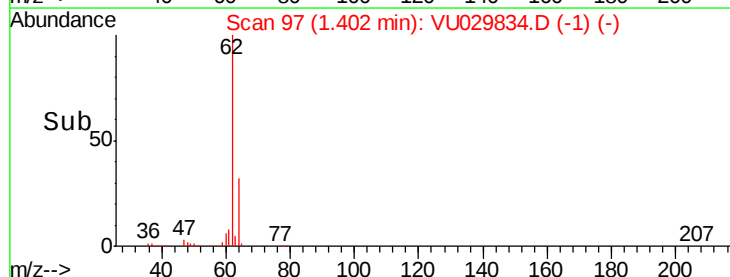
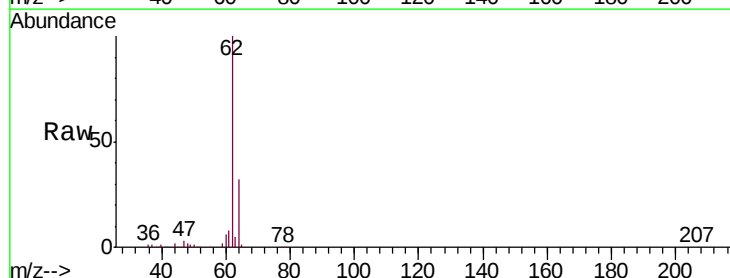
Acq: 06 Mar 2019 11:14

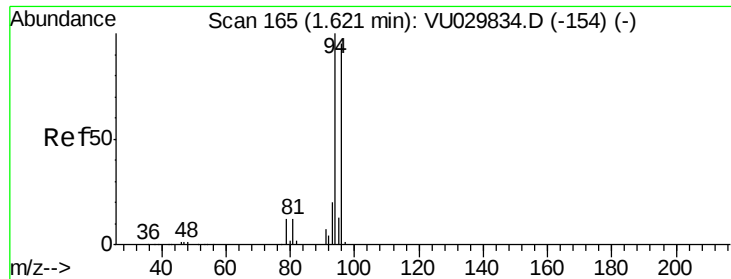
Tgt Ion: 62 Resp: 216474

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 8.465 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

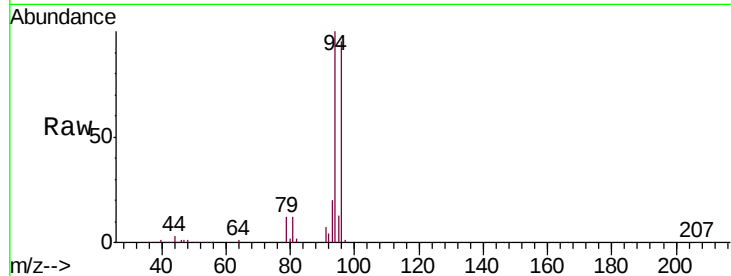
VSTDICCC010

Tgt Ion: 94 Resp: 127921

Ion Ratio Lower Upper

94 100

96 95.5 76.4 114.6



Abundance Ion 94.00 (93.70 to 94.70): VU029834.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU029834.D (-154) (-)

1.62

100000

80000

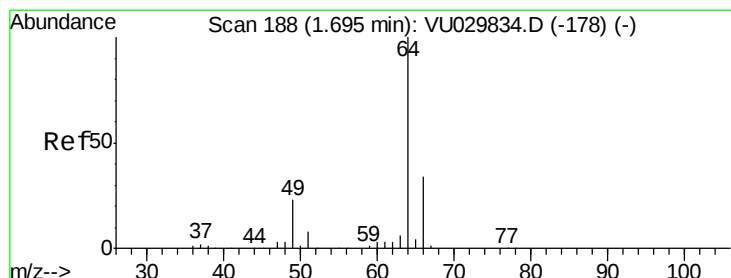
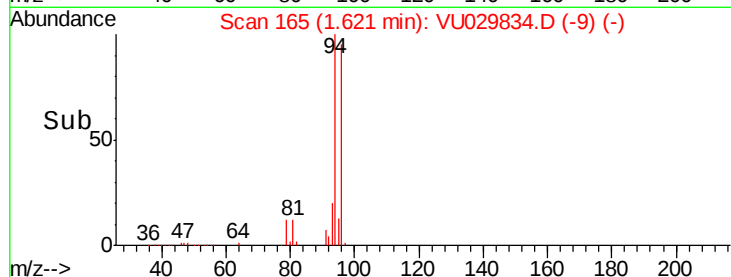
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 9.635 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU029834.D

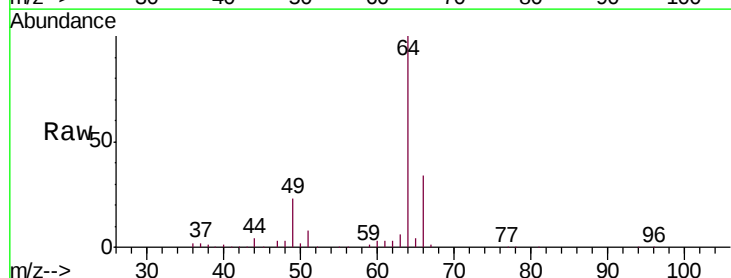
Acq: 06 Mar 2019 11:14

Tgt Ion: 64 Resp: 127849

Ion Ratio Lower Upper

64 100

66 34.1 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU029834.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU029834.D (-178) (-)

1.69

100000

80000

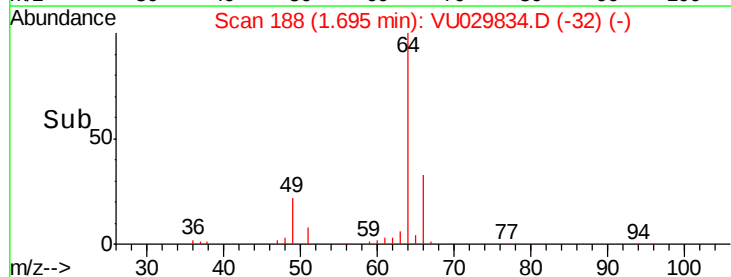
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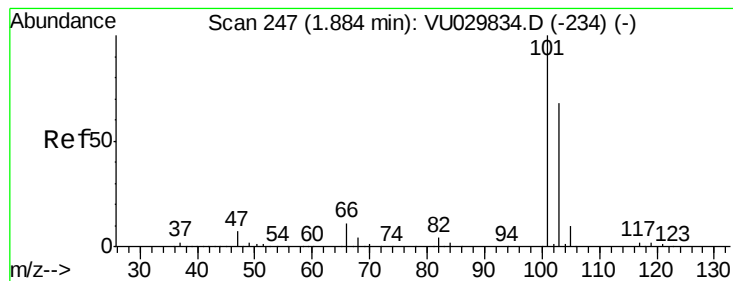
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20000

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Time-->



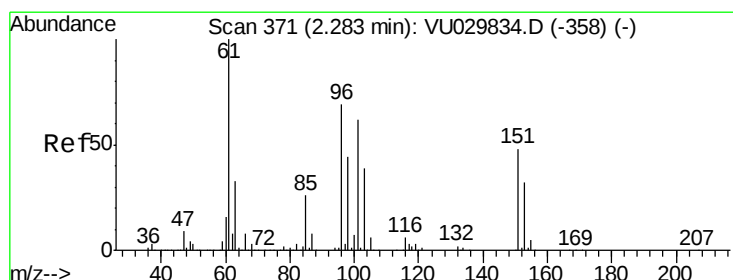
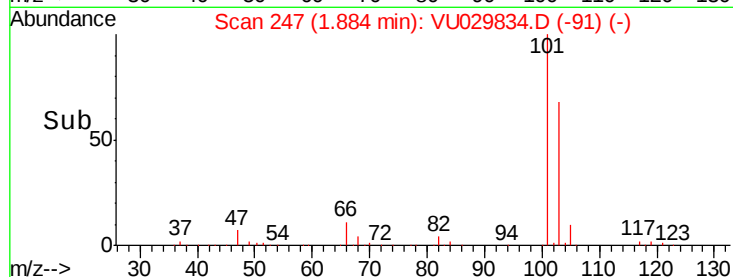
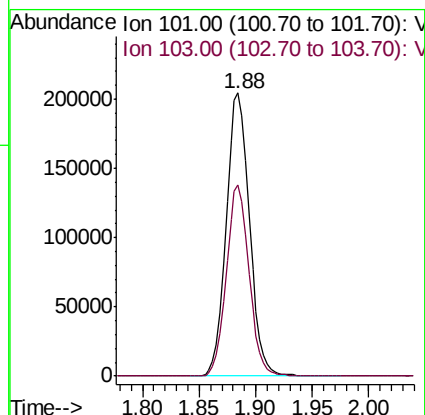
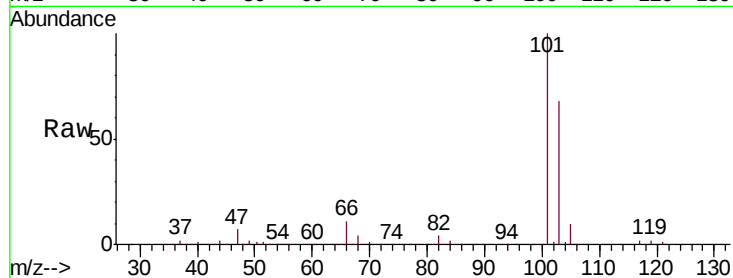


#7

Trichlorofluoromethane  
 Concen: 9.712 ug/l  
 RT: 1.88 min Scan# 247  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

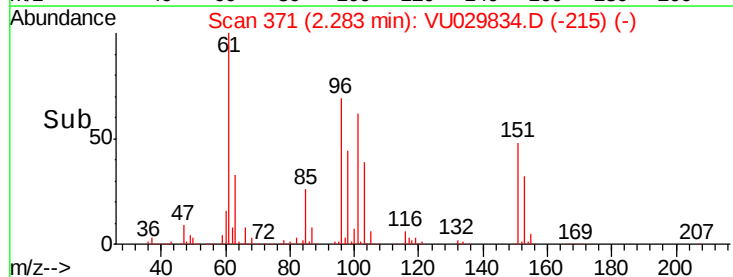
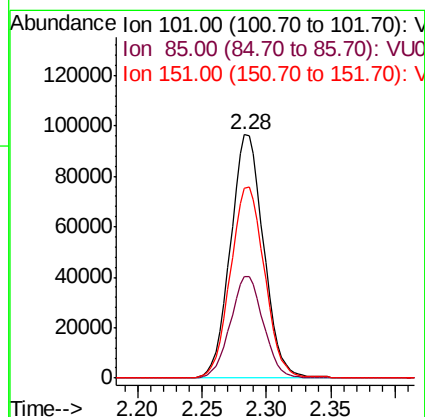
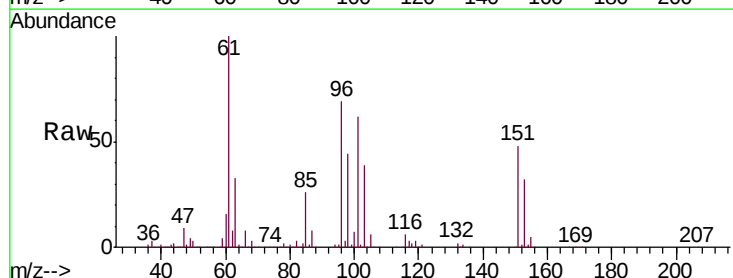
Tgt Ion:101 Resp: 292873  
 Ion Ratio Lower Upper  
 101 100  
 103 67.7 54.2 81.2

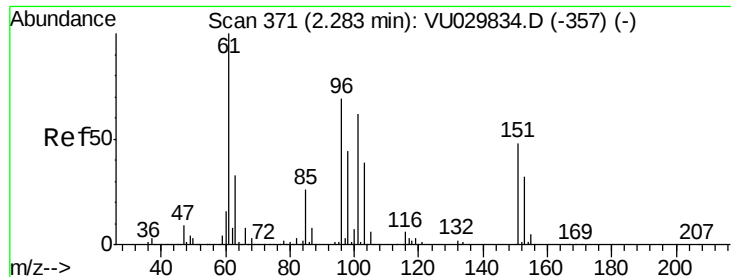


#8

1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 9.786 ug/l  
 RT: 2.28 min Scan# 371  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Tgt Ion:101 Resp: 171682  
 Ion Ratio Lower Upper  
 101 100  
 85 41.7 33.4 50.0  
 151 80.8 64.6 97.0





#9

1,1-Dichloroethene

Concen: 9.741 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

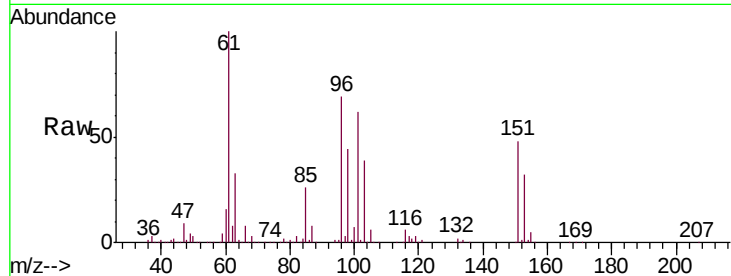
Tgt Ion: 96 Resp: 167266

Ion Ratio Lower Upper

96 100

61 145.1 0.0 435.3

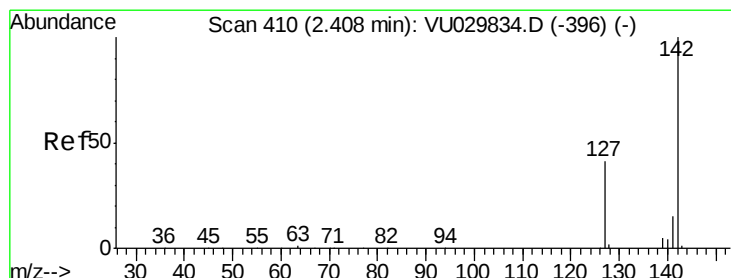
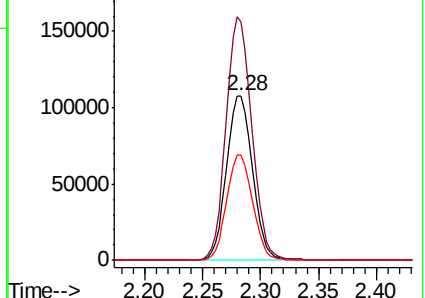
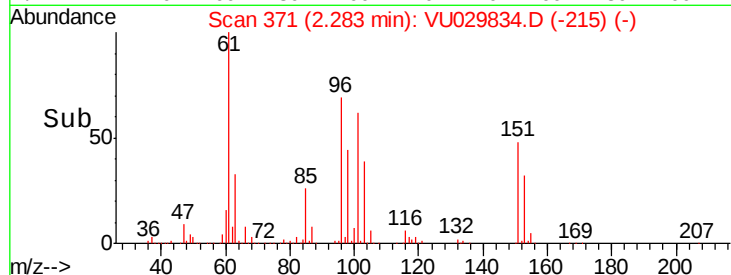
98 64.3 0.0 128.6



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



#10

Iodomethane

Concen: 12.797 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029834.D

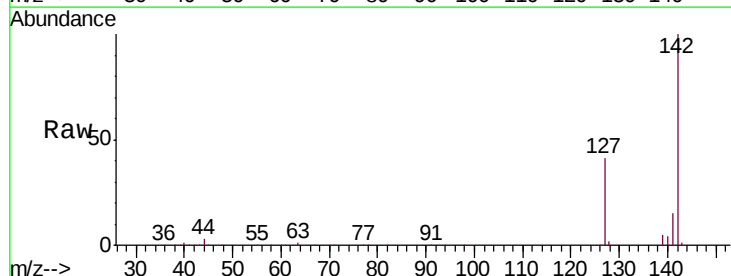
Acq: 06 Mar 2019 11:14

Tgt Ion: 142 Resp: 190516

Ion Ratio Lower Upper

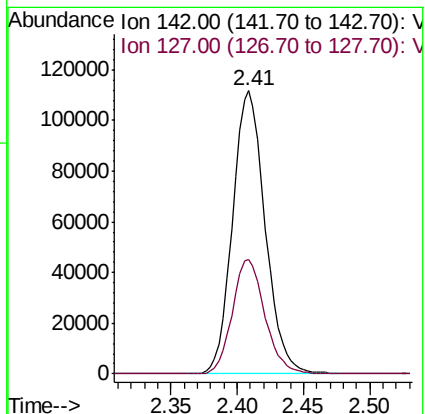
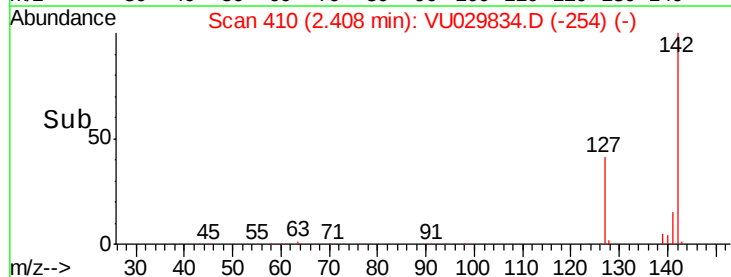
142 100

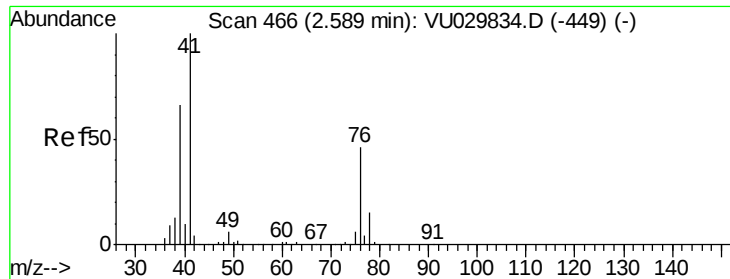
127 40.4 32.3 48.5



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

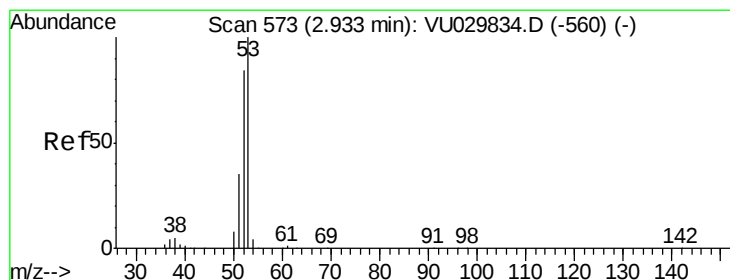
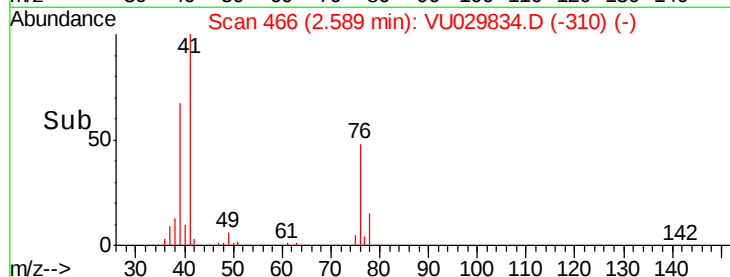
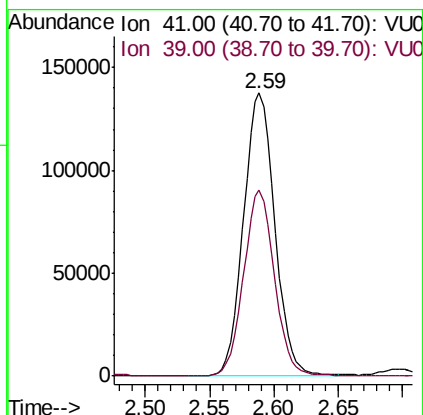
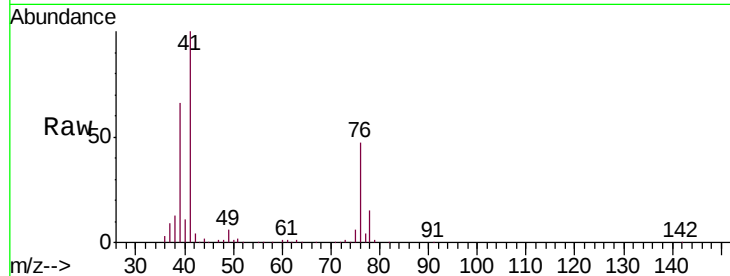




#11  
 Allyl Chloride  
 Concen: 9.612 ug/l  
 RT: 2.59 min Scan# 466  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

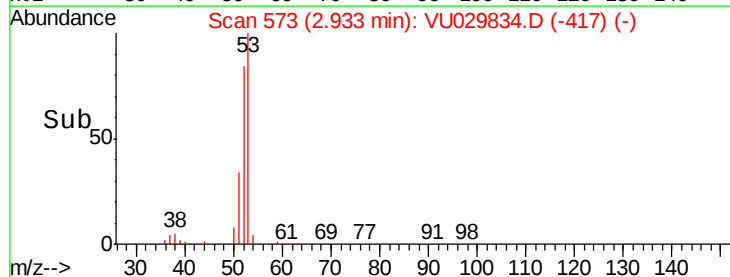
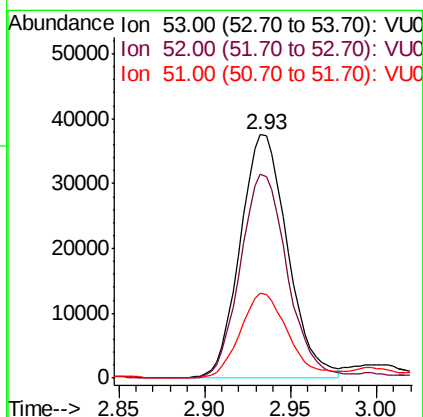
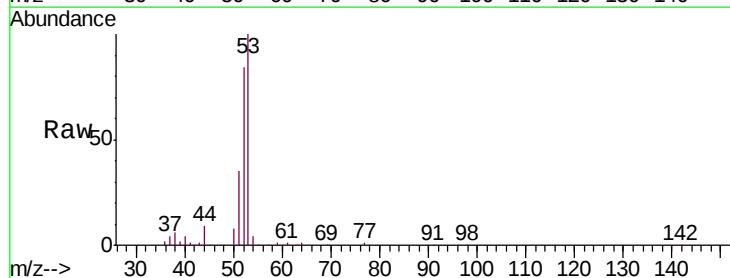
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

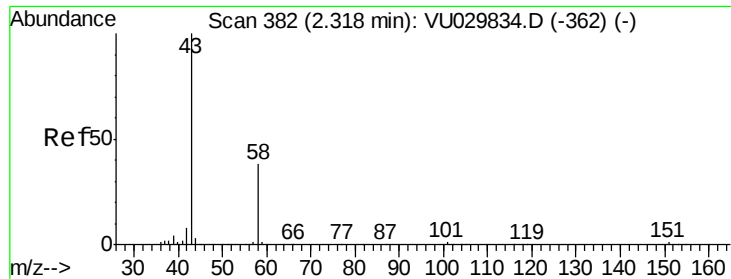
Tgt Ion: 41 Resp: 232031  
 Ion Ratio Lower Upper  
 41 100  
 39 64.5 51.6 77.4



#12  
 Acrylonitrile  
 Concen: 19.203 ug/l  
 RT: 2.93 min Scan# 573  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Tgt Ion: 53 Resp: 71899  
 Ion Ratio Lower Upper  
 53 100  
 52 83.1 66.5 99.7  
 51 35.7 28.6 42.8





#13

Acetone

Concen: 45.983 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

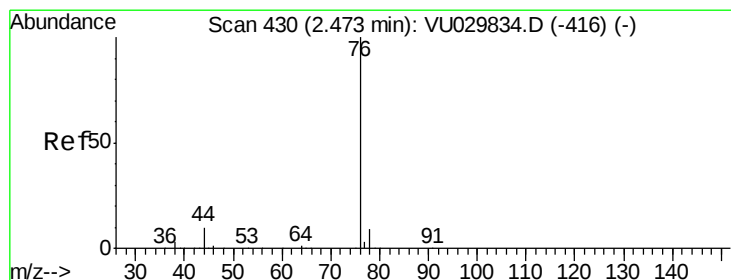
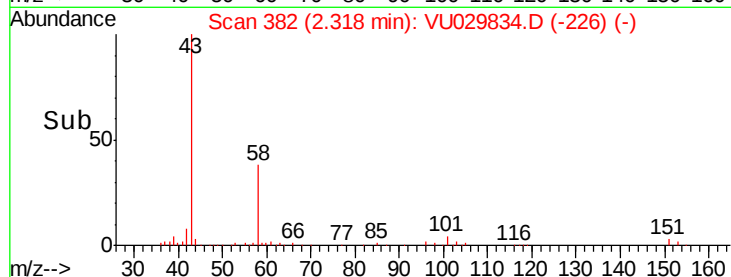
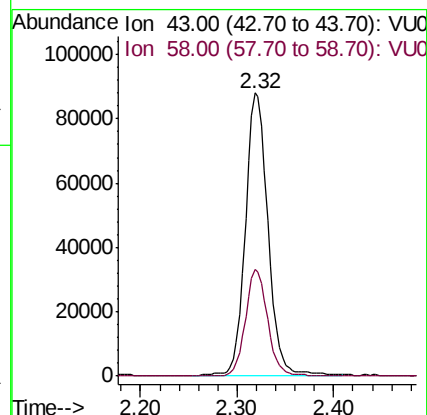
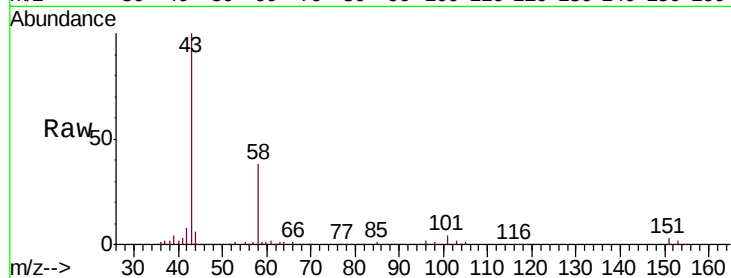
VSTDICCC010

Tgt Ion: 43 Resp: 142595

Ion Ratio Lower Upper

43 100

58 37.7 30.2 45.2



#14

Carbon Disulfide

Concen: 9.717 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU029834.D

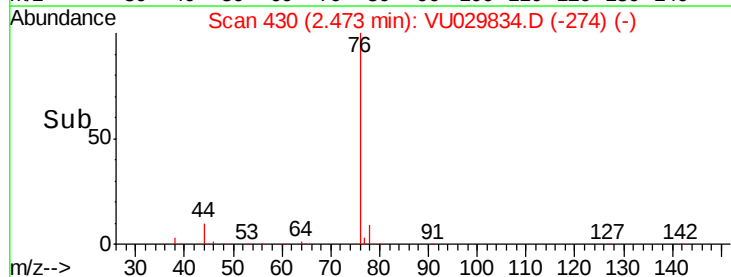
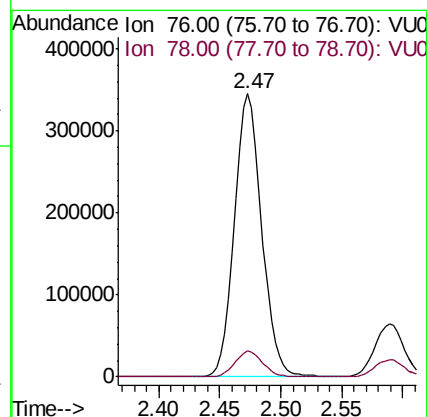
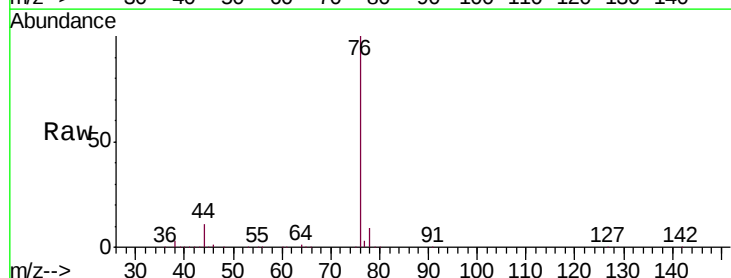
Acq: 06 Mar 2019 11:14

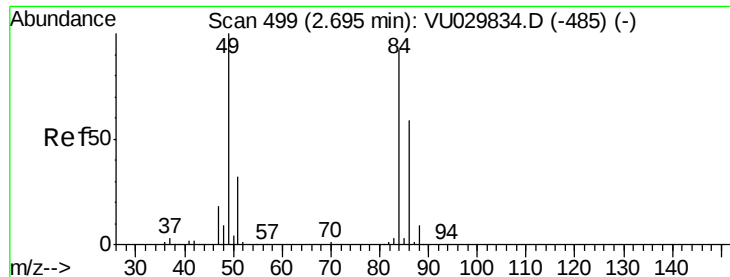
Tgt Ion: 76 Resp: 540355

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

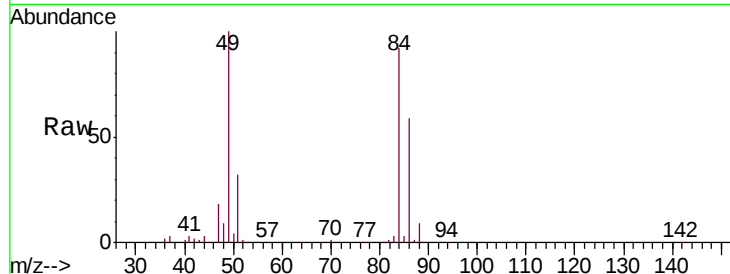




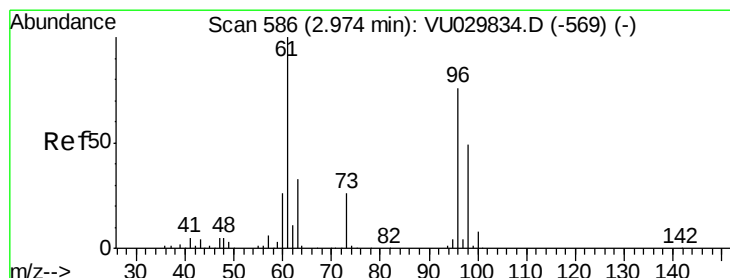
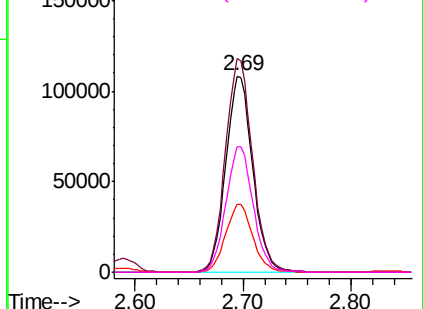
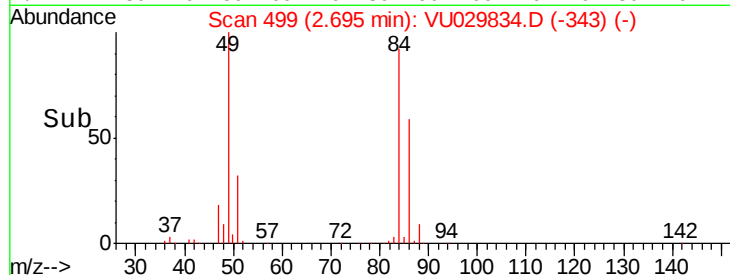
#15  
Methylene Chloride  
Concen: 9.124 ug/l  
RT: 2.69 min Scan# 499  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 84 Resp: 188005  
Ion Ratio Lower Upper  
84 100  
49 109.0 87.2 130.8  
51 34.5 0.0 69.0  
86 64.1 51.3 76.9

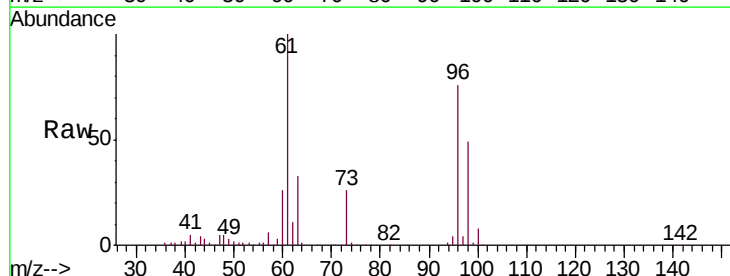


Abundance Ion 84.00 (83.70 to 84.70): VU0  
Ion 49.00 (48.70 to 49.70): VU0  
Ion 51.00 (50.70 to 51.70): VU0  
Ion 86.00 (85.70 to 86.70): VU0

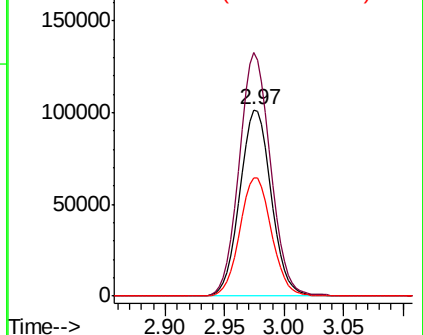
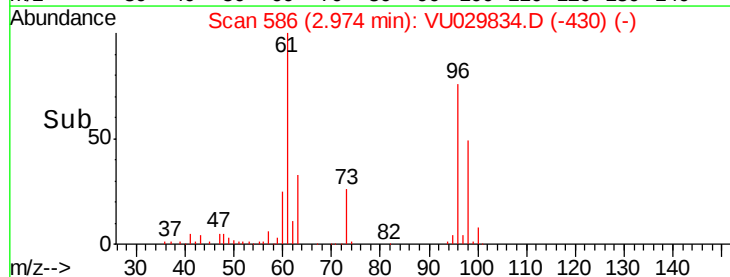


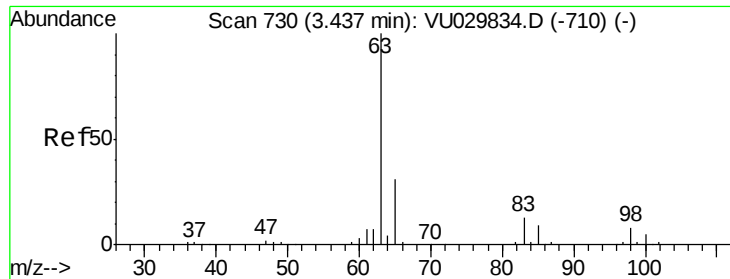
#16  
trans-1,2-Dichloroethene  
Concen: 9.605 ug/l  
RT: 2.97 min Scan# 586  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Tgt Ion: 96 Resp: 186320  
Ion Ratio Lower Upper  
96 100  
61 130.9 104.7 157.1  
98 63.6 50.9 76.3



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

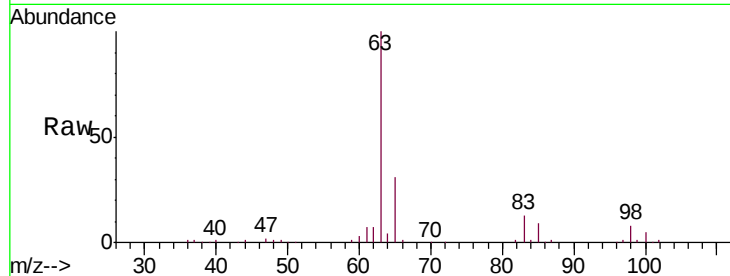




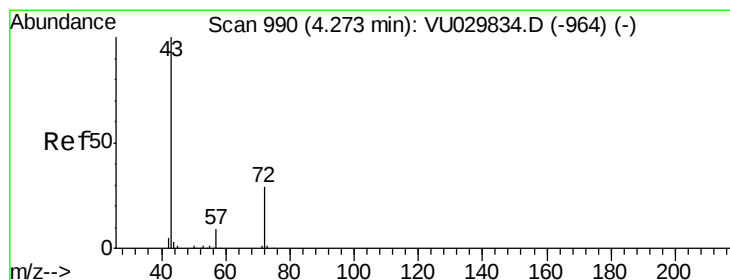
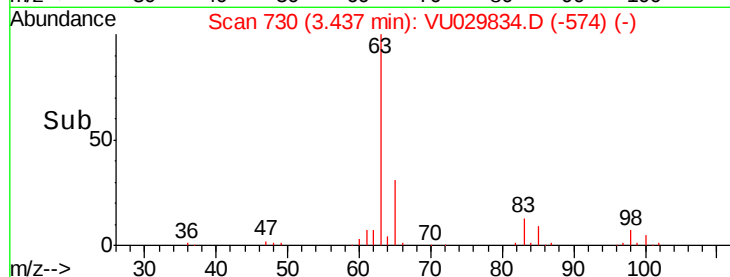
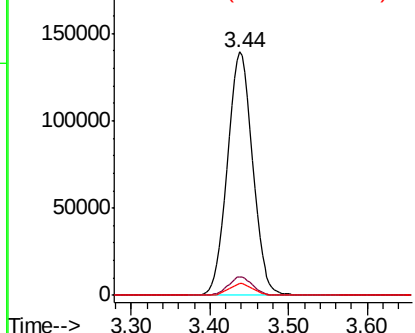
#17  
 1,1-Dichloroethane  
 Concen: 9.537 ug/l  
 RT: 3.44 min Scan# 730  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 309531 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 98       | 7.6   | 3.8   | 11.4   |
| 100      | 4.7   | 2.4   | 7.1    |

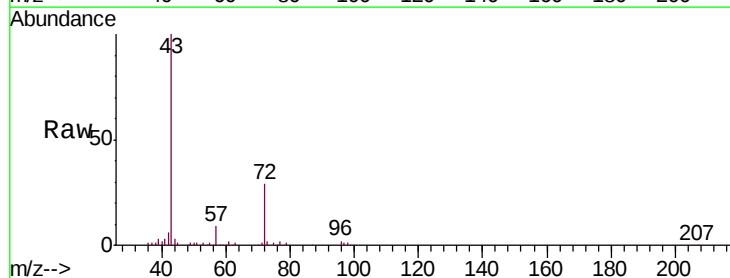


Abundance Ion 63.00 (62.70 to 63.70): VU0  
 Ion 98.00 (97.70 to 98.70): VU0  
 Ion 100.00 (99.70 to 100.70): VU0

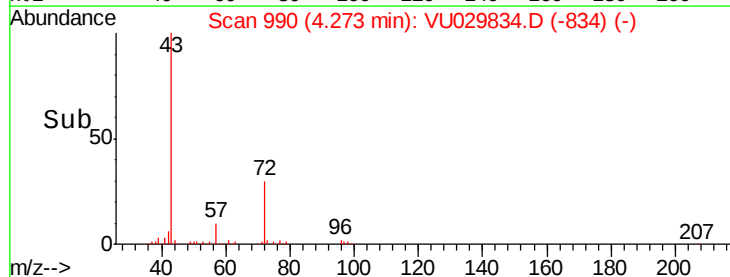
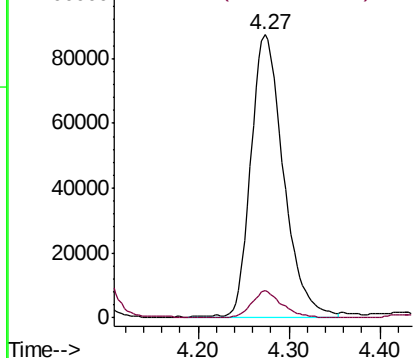


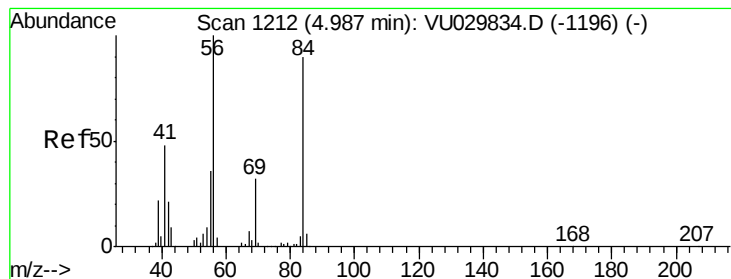
#18  
 2-Butanone  
 Concen: 51.288 ug/l  
 RT: 4.27 min Scan# 990  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 216145 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 57       | 9.3   | 0.0   | 18.6   |



Abundance Ion 43.00 (42.70 to 43.70): VU0  
 Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 9.065 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

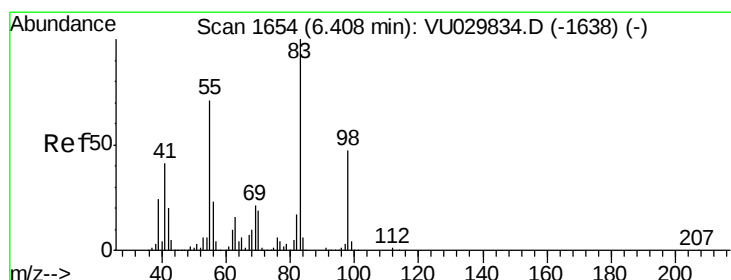
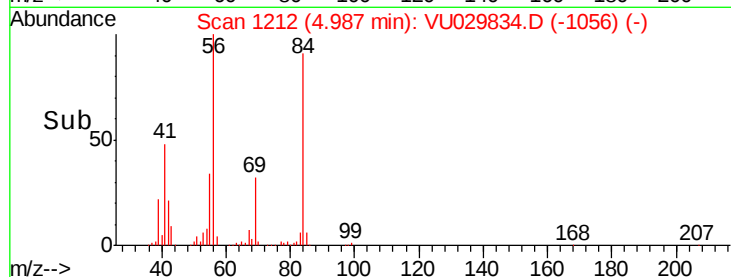
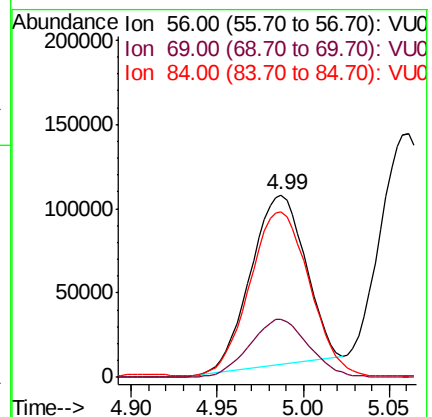
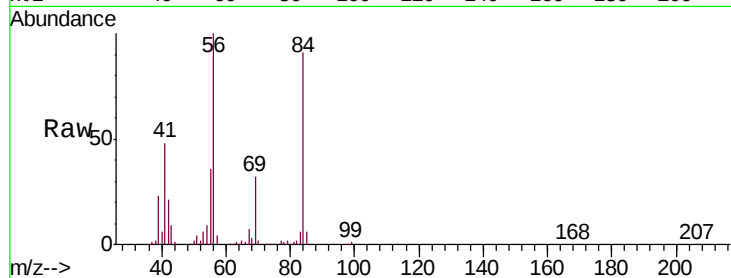
Tgt Ion: 56 Resp: 223242

Ion Ratio Lower Upper

56 100

69 36.8 29.4 44.2

84 105.8 84.6 127.0



#20

Methylcyclohexane

Concen: 10.357 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

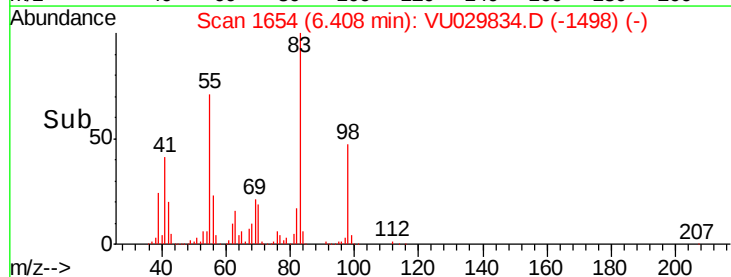
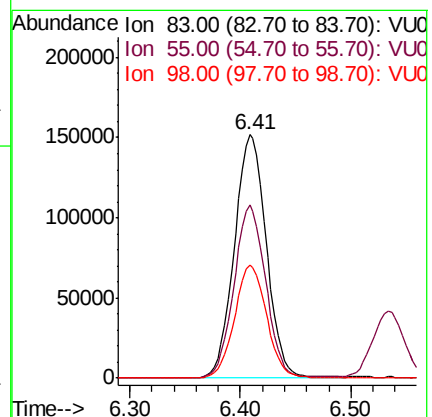
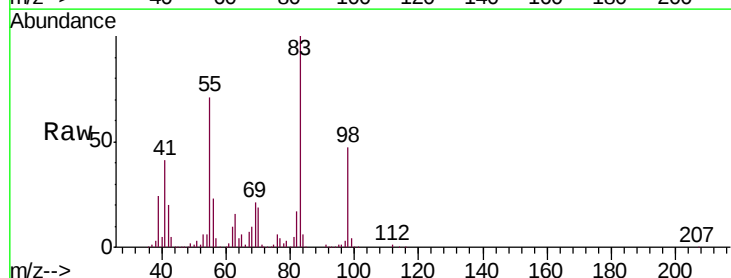
Tgt Ion: 83 Resp: 303991

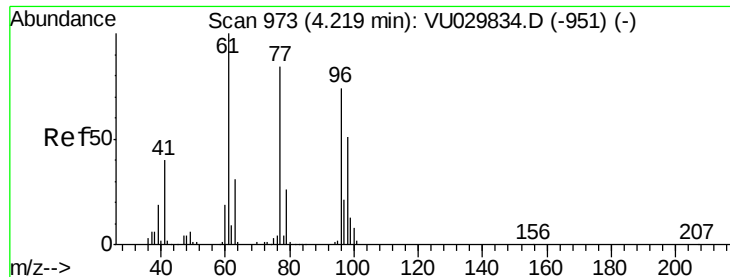
Ion Ratio Lower Upper

83 100

55 69.9 55.9 83.9

98 46.2 37.0 55.4

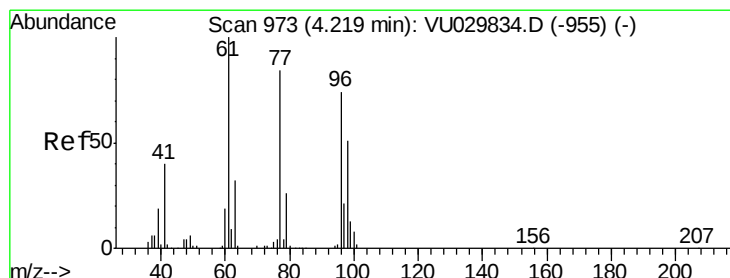
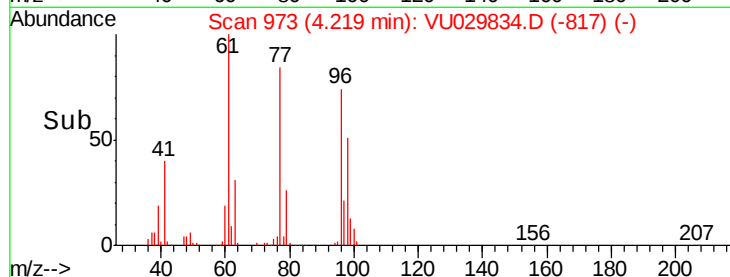
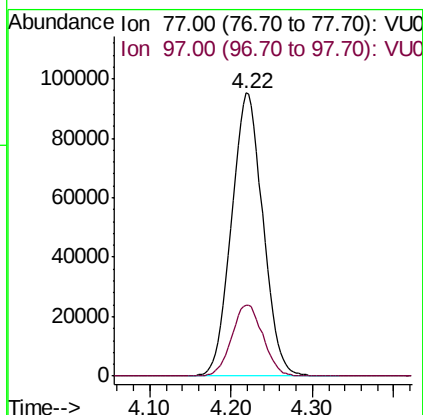
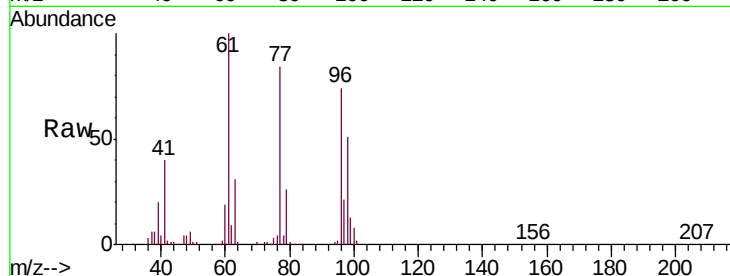




#21  
 2,2-Dichloropropane  
 Concen: 9.625 ug/l  
 RT: 4.22 min Scan# 973  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

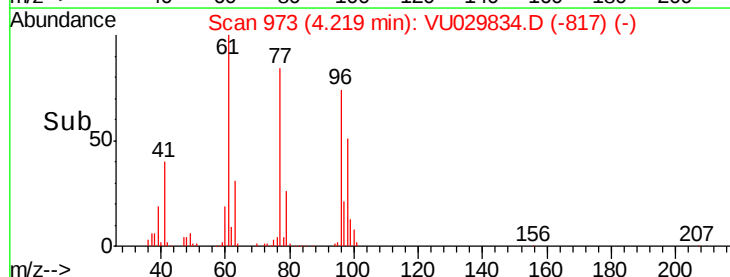
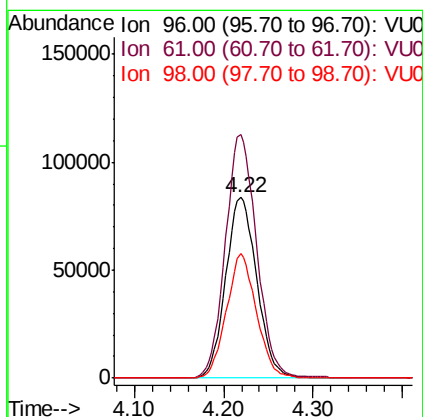
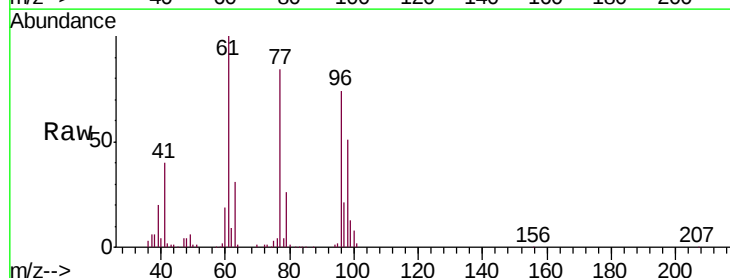
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 VSTDICCC010

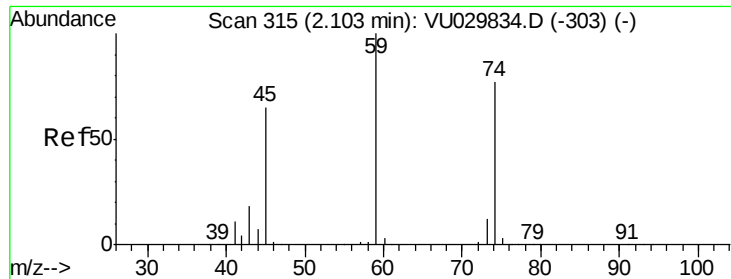
Tgt Ion: 77 Resp: 255343  
 Ion Ratio Lower Upper  
 77 100  
 97 25.2 20.2 30.2



#22  
 cis-1,2-Dichloroethene  
 Concen: 9.857 ug/l  
 RT: 4.22 min Scan# 973  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Tgt Ion: 96 Resp: 202649  
 Ion Ratio Lower Upper  
 96 100  
 61 135.6 0.0 339.0  
 98 66.3 33.1 99.5

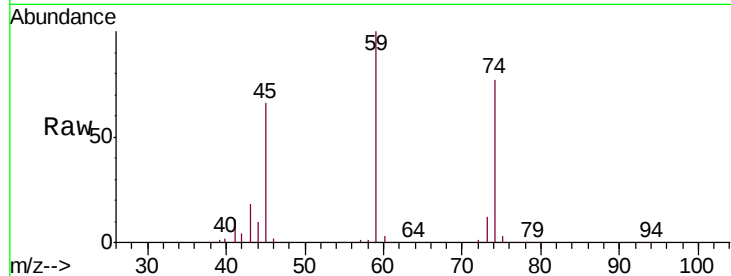




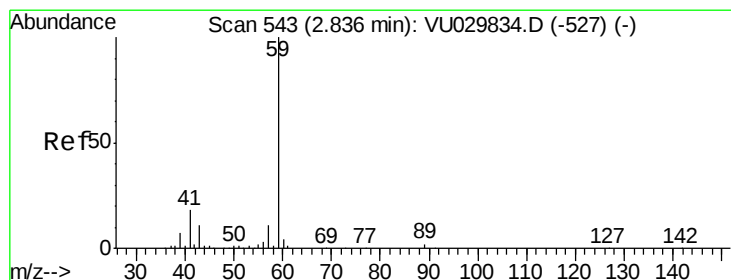
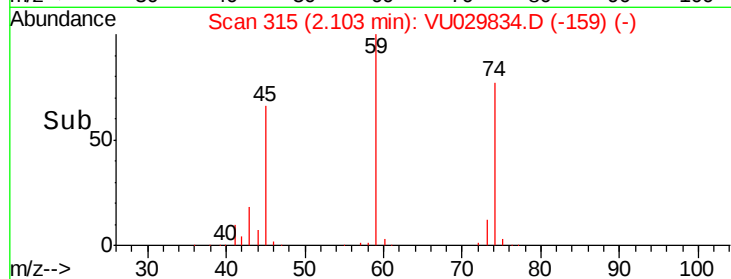
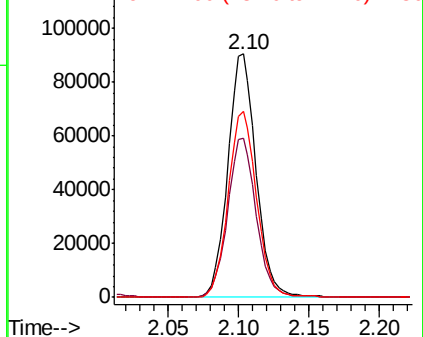
#23  
Diethyl Ether  
Concen: 9.835 ug/l  
RT: 2.10 min Scan# 315  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 59 Resp: 126616  
Ion Ratio Lower Upper  
59 100  
45 65.9 52.7 79.1  
74 77.2 61.8 92.6

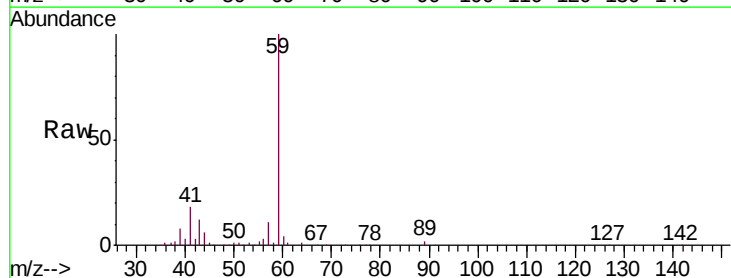


Abundance Ion 59.00 (58.70 to 59.70): VU0  
Ion 45.00 (44.70 to 45.70): VU0  
Ion 74.00 (73.70 to 74.70): VU0

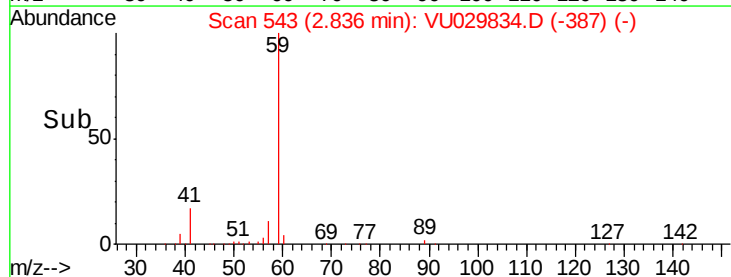
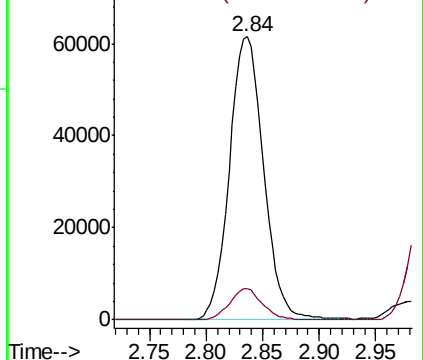


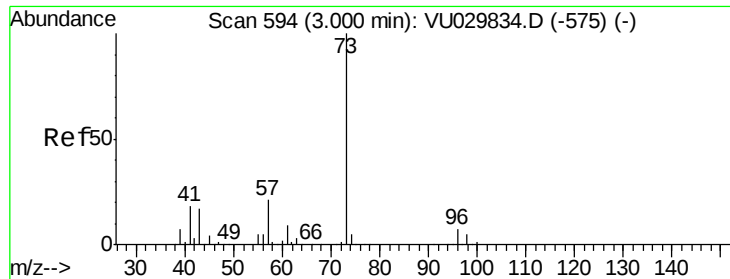
#24  
tert-Butyl Alcohol  
Concen: 97.555 ug/l  
RT: 2.84 min Scan# 543  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Tgt Ion: 59 Resp: 129553  
Ion Ratio Lower Upper  
59 100  
57 10.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0  
Ion 57.00 (56.70 to 57.70): VU0



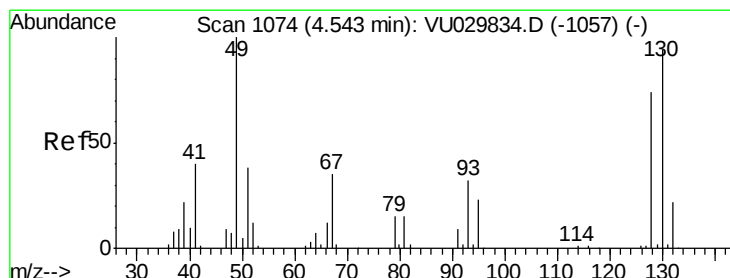
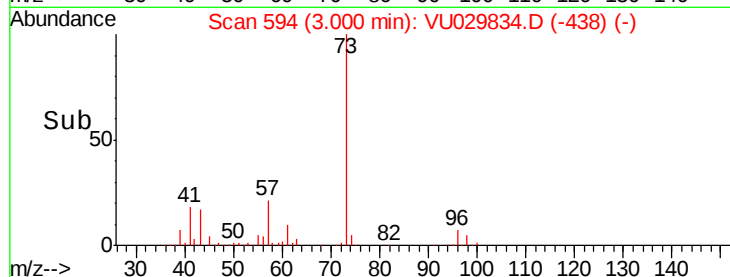
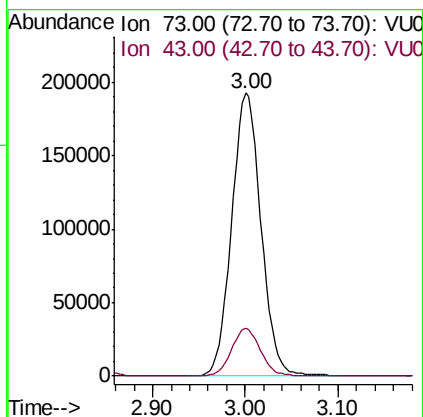
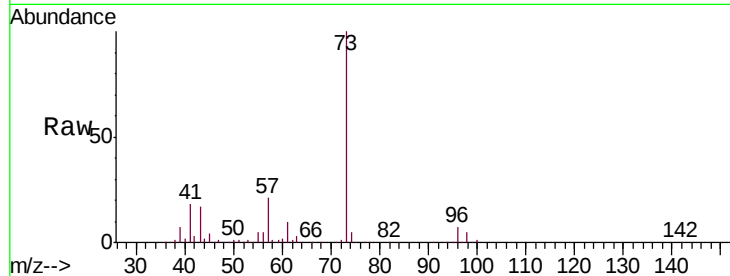


#25

Methyl tert-Butyl Ether  
 Concen: 9.754 ug/l  
 RT: 3.00 min Scan# 594  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

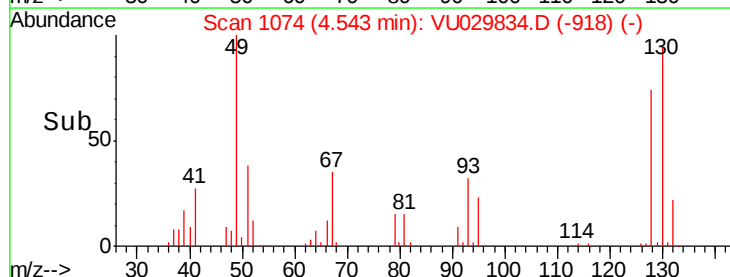
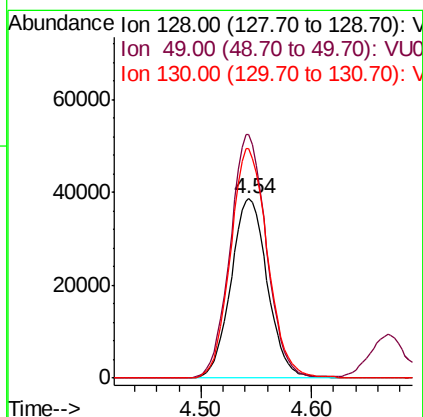
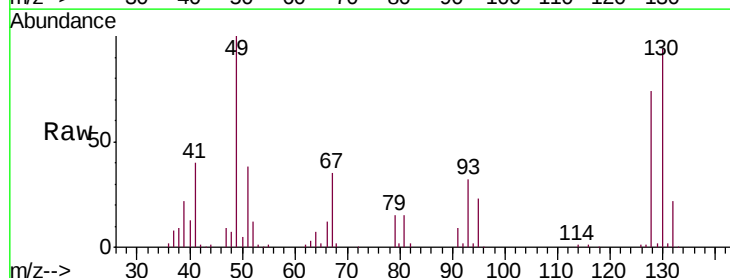
Tgt Ion: 73 Resp: 421781  
 Ion Ratio Lower Upper  
 73 100  
 43 16.4 13.1 19.7

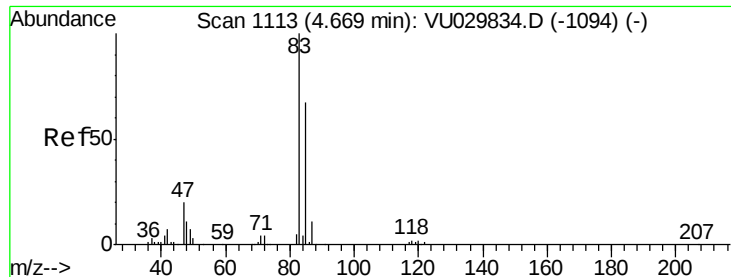


#26

Bromochloromethane  
 Concen: 9.694 ug/l  
 RT: 4.54 min Scan# 1074  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Tgt Ion: 128 Resp: 88478  
 Ion Ratio Lower Upper  
 128 100  
 49 135.3 0.0 270.6  
 130 130.3 104.2 156.4

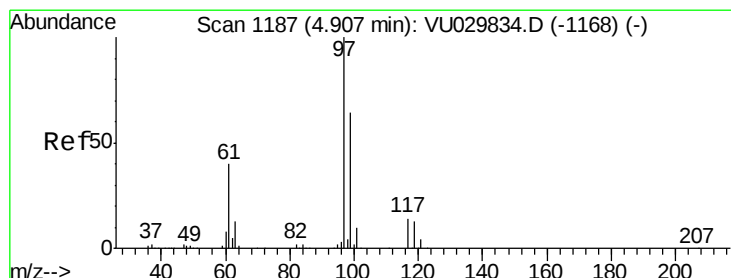
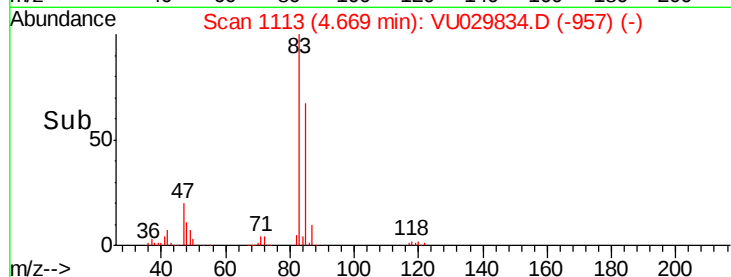
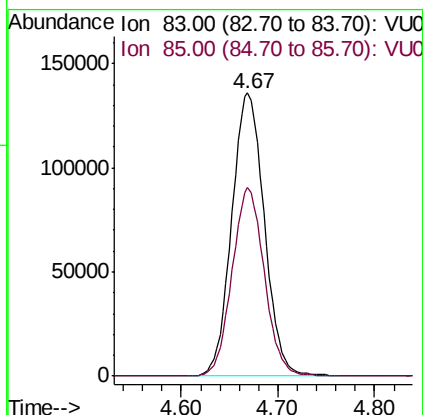
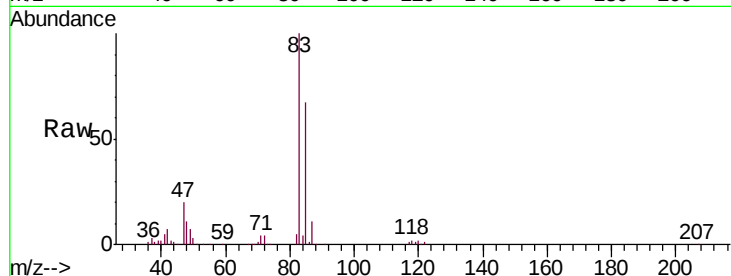




#27  
Chloroform  
Concen: 9.672 ug/l  
RT: 4.67 min Scan# 1113  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

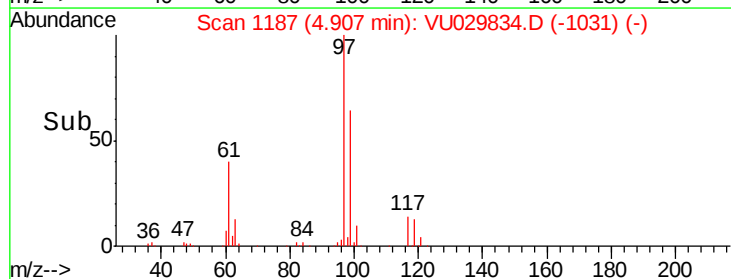
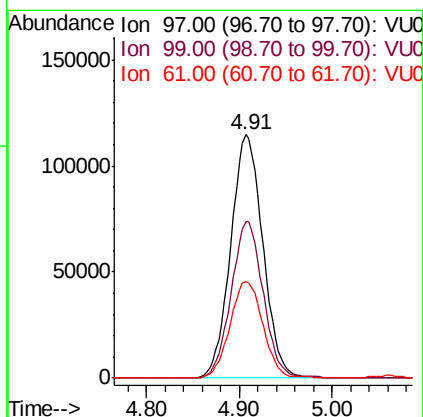
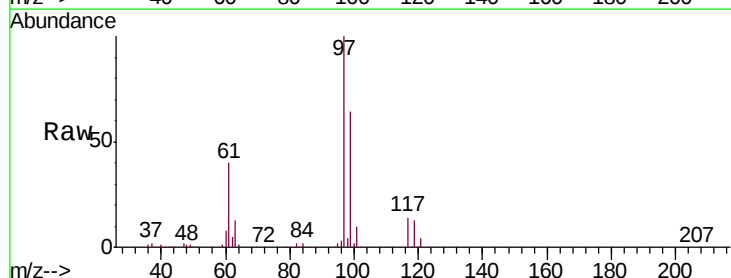
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

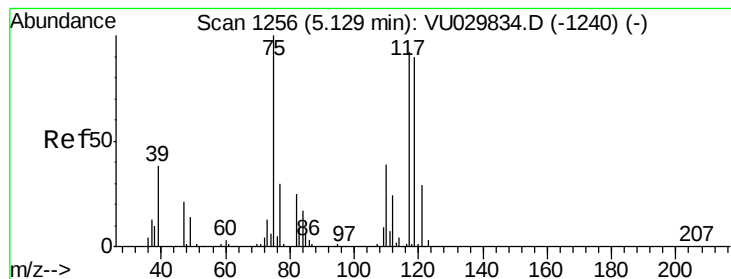
Tgt Ion: 83 Resp: 317877  
Ion Ratio Lower Upper  
83 100  
85 66.6 0.0 133.2



#28  
1,1,1-Trichloroethane  
Concen: 9.919 ug/l  
RT: 4.91 min Scan# 1187  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Tgt Ion: 97 Resp: 276406  
Ion Ratio Lower Upper  
97 100  
99 63.9 31.9 95.9  
61 40.9 20.4 61.3





#29

1,1-Dichloropropene

Concen: 9.980 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

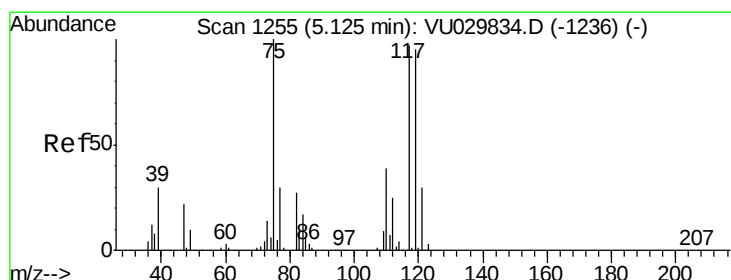
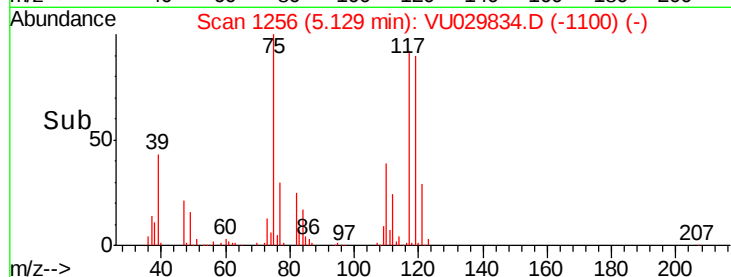
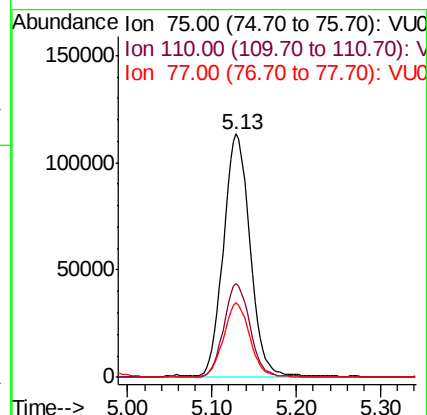
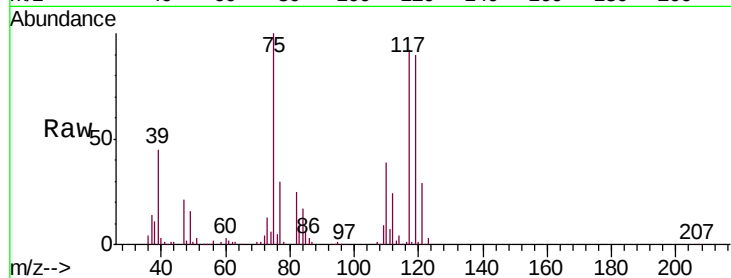
Tgt Ion: 75 Resp: 247140

Ion Ratio Lower Upper

75 100

110 38.3 19.1 57.5

77 29.9 23.9 35.9



#30

Carbon Tetrachloride

Concen: 10.080 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

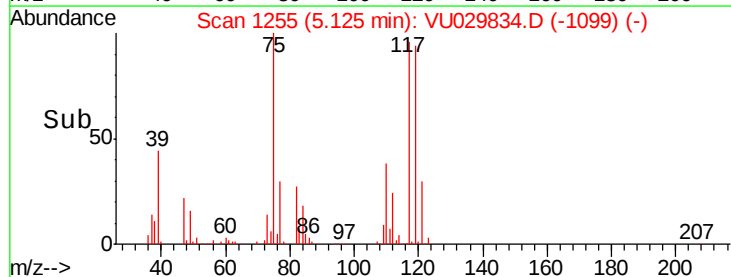
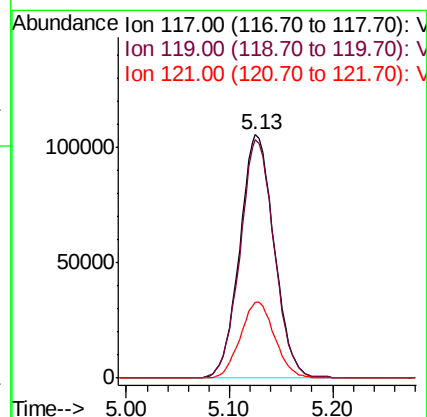
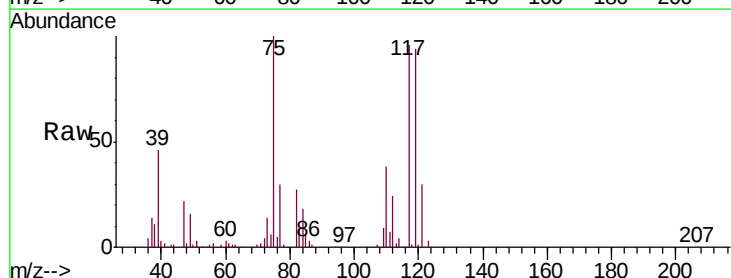
Tgt Ion: 117 Resp: 245048

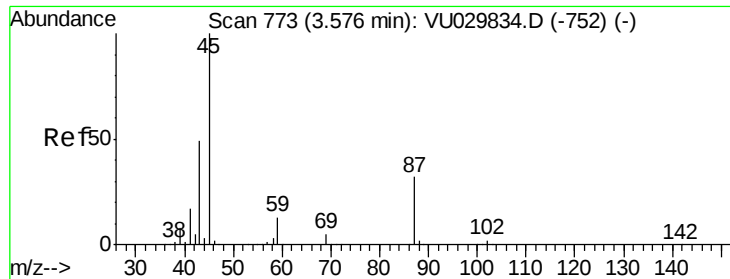
Ion Ratio Lower Upper

117 100

119 98.0 78.4 117.6

121 31.2 25.0 37.4

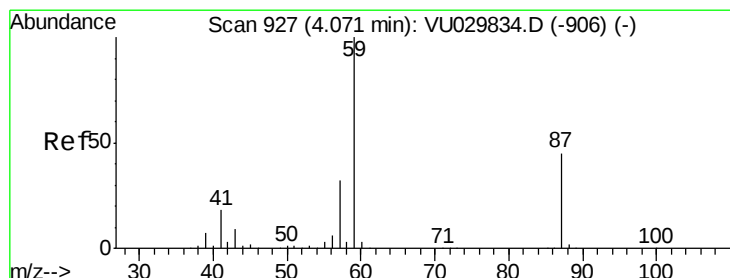
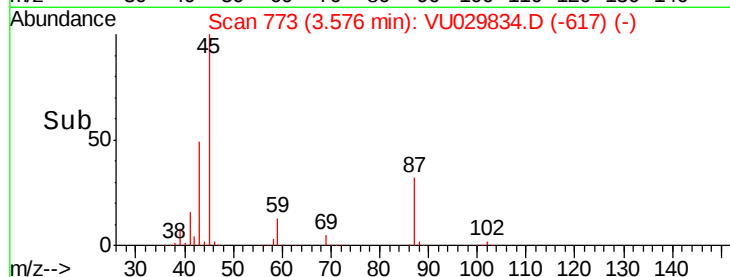
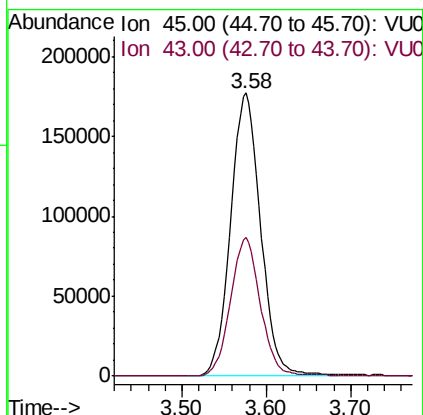
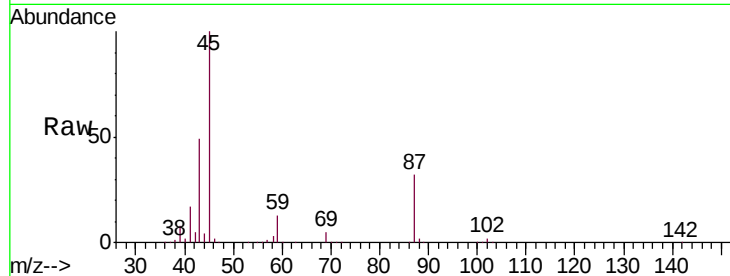




#31  
Isopropyl Ether  
Concen: 9.817 ug/l  
RT: 3.58 min Scan# 773  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

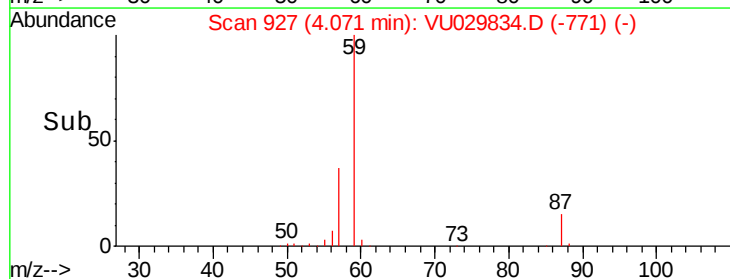
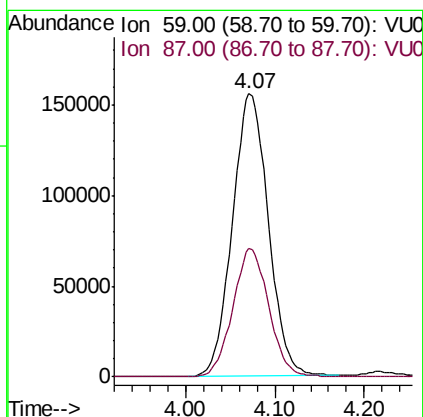
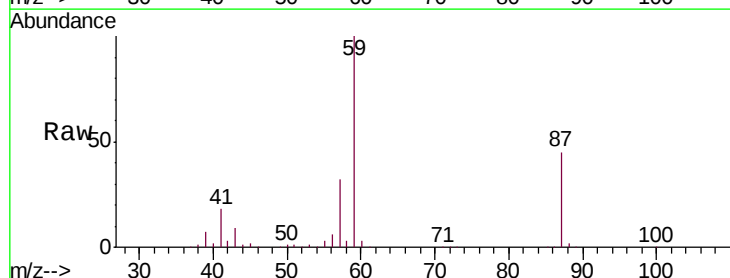
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

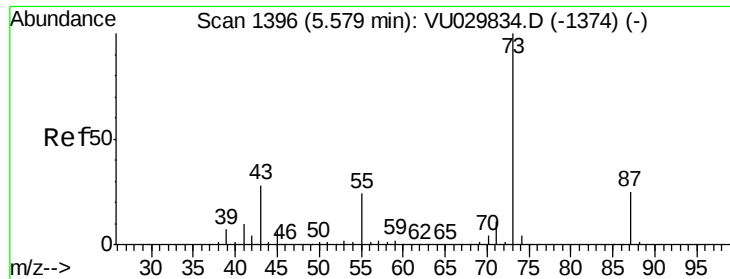
Tgt Ion: 45 Resp: 439455  
Ion Ratio Lower Upper  
45 100  
43 48.6 24.3 72.9



#32  
Ethyl-t-butyl ether  
Concen: 10.027 ug/l  
RT: 4.07 min Scan# 927  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Tgt Ion: 59 Resp: 436310  
Ion Ratio Lower Upper  
59 100  
87 45.3 36.2 54.4

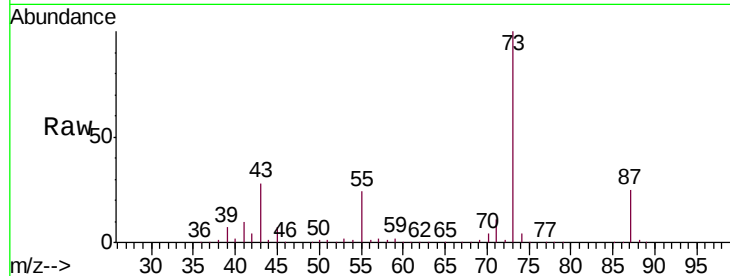




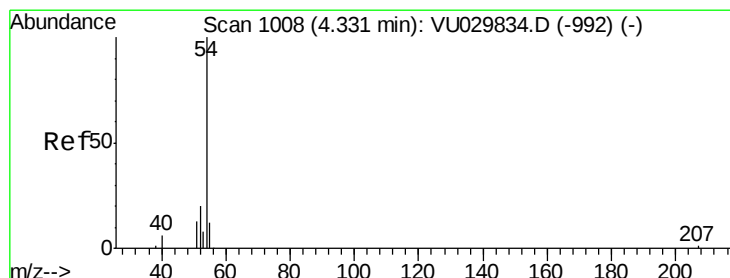
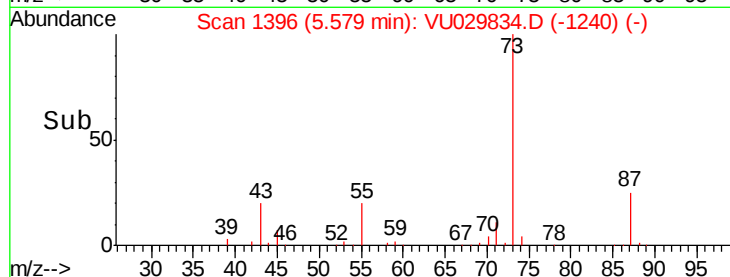
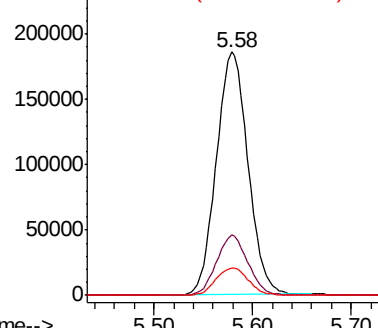
#33  
Tert-Amyl methyl ether  
Concen: 10.211 ug/l  
RT: 5.58 min Scan# 1396  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 73 Resp: 410860  
Ion Ratio Lower Upper  
73 100  
87 24.6 19.7 29.5  
71 11.8 9.4 14.2



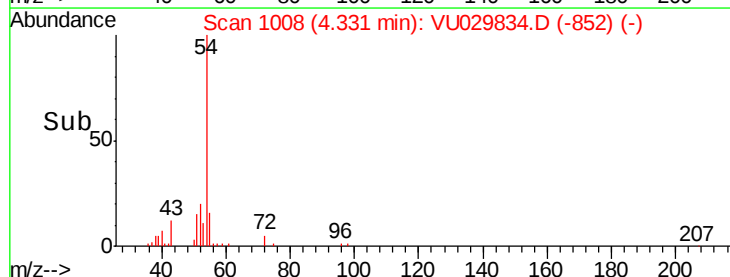
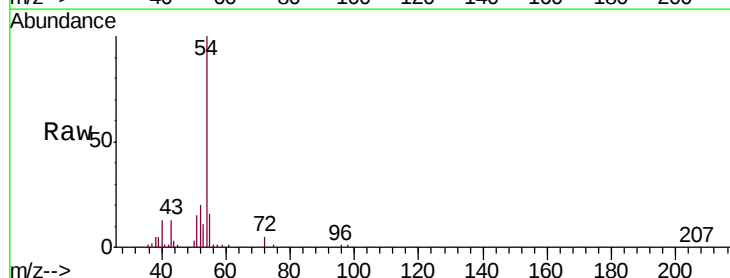
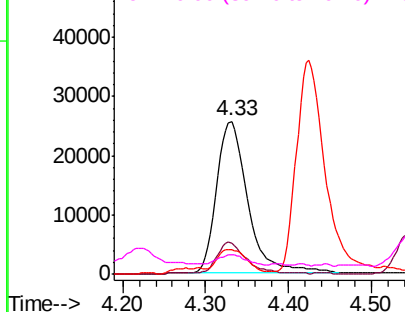
Abundance Ion 73.00 (72.70 to 73.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0  
Ion 71.00 (70.70 to 71.70): VU0

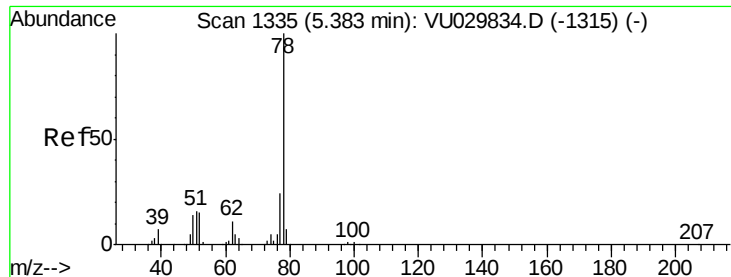


#34  
Propionitrile  
Concen: 53.476 ug/l  
RT: 4.33 min Scan# 1008  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Tgt Ion: 54 Resp: 67038  
Ion Ratio Lower Upper  
54 100  
52 20.1 16.1 24.1  
55 14.0 11.2 16.8  
40 5.9 4.7 7.1

Abundance Ion 54.00 (53.70 to 54.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 9.832 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

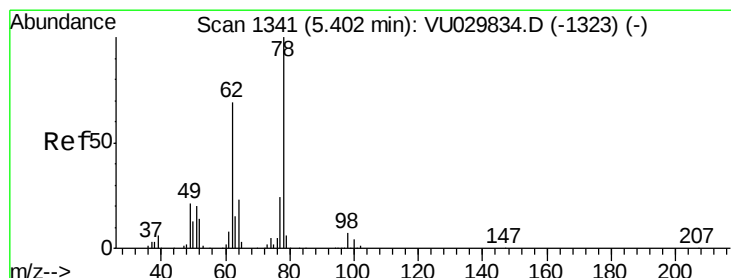
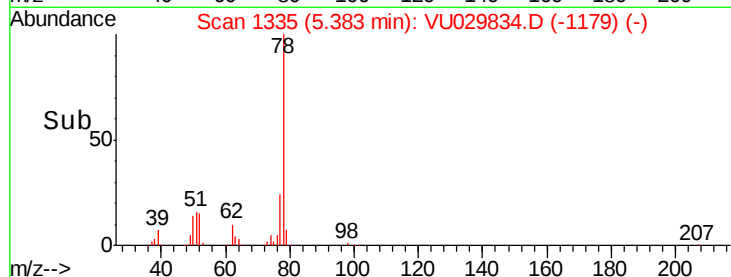
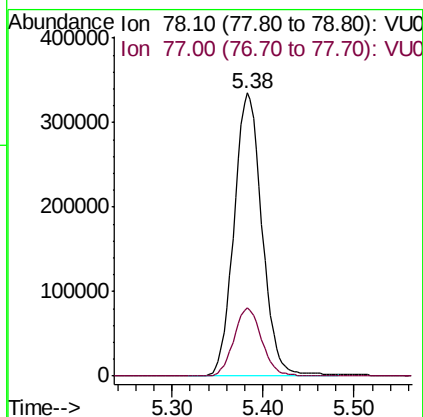
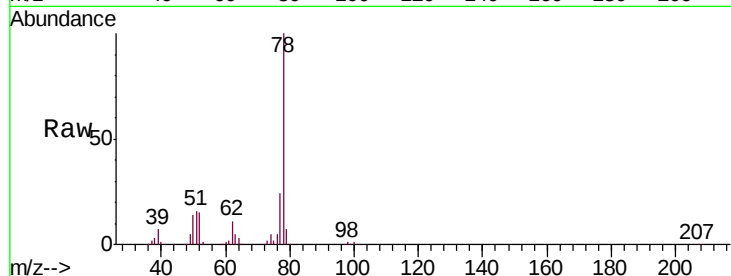
VSTDICCC010

Tgt Ion: 78 Resp: 717246

Ion Ratio Lower Upper

78 100

77 24.0 19.2 28.8



#36

1,2-Dichloroethane

Concen: 9.831 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU029834.D

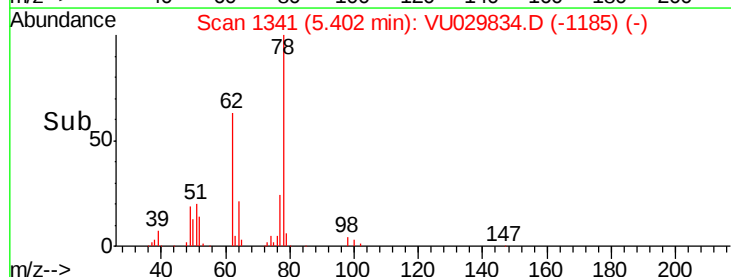
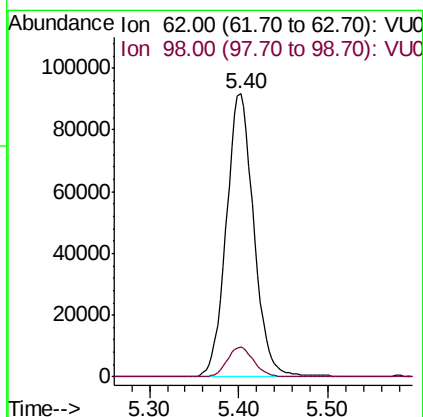
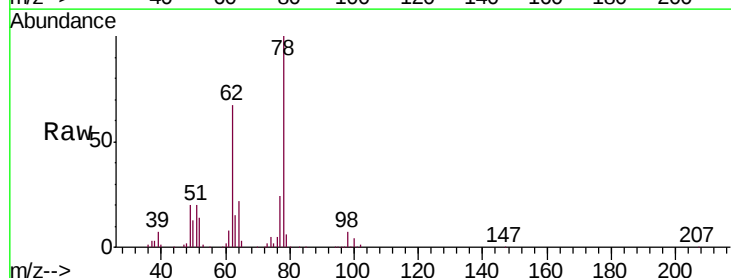
Acq: 06 Mar 2019 11:14

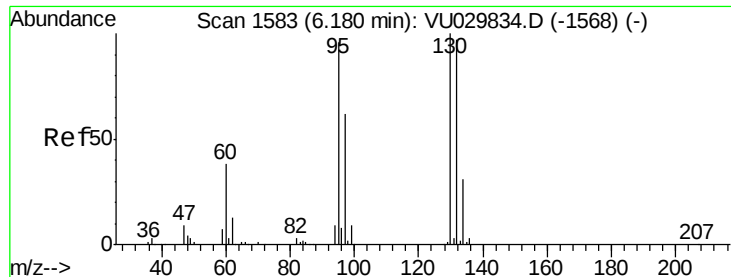
Tgt Ion: 62 Resp: 195872

Ion Ratio Lower Upper

62 100

98 10.2 8.2 12.2

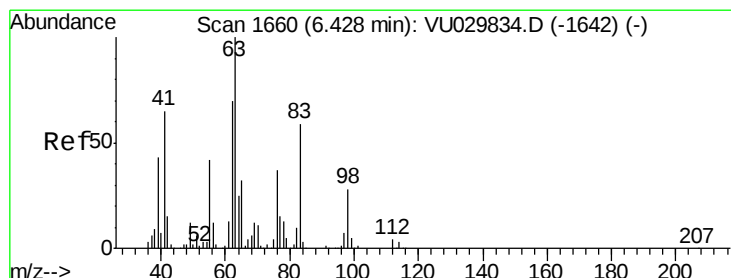
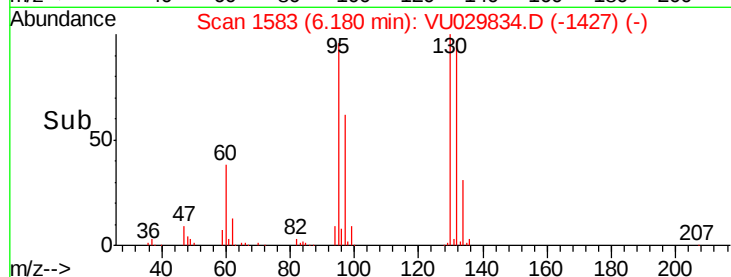
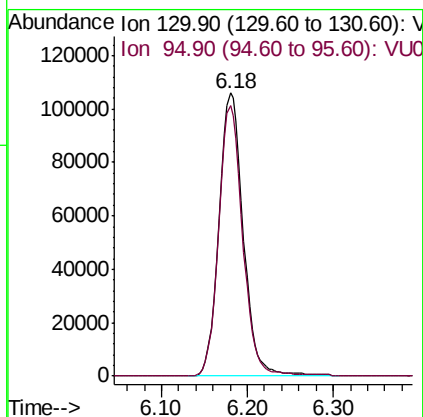
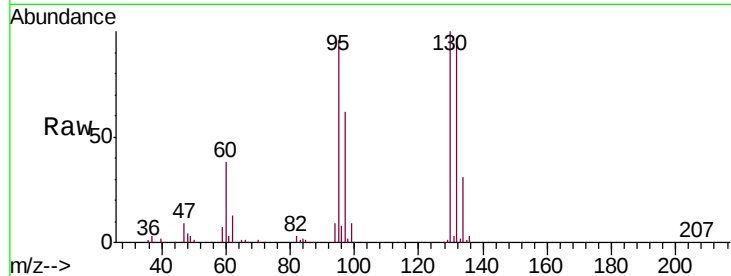




#37  
 Trichloroethene  
 Concen: 9.803 ug/l  
 RT: 6.18 min Scan# 1583  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

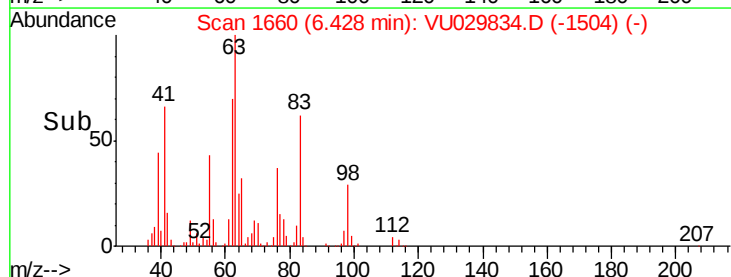
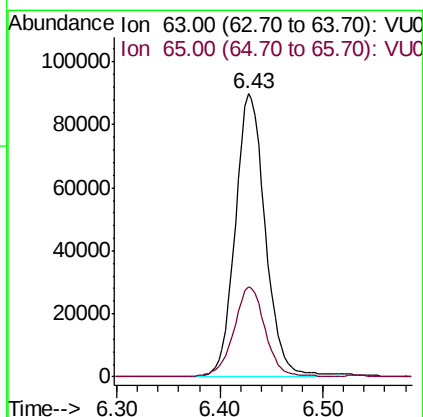
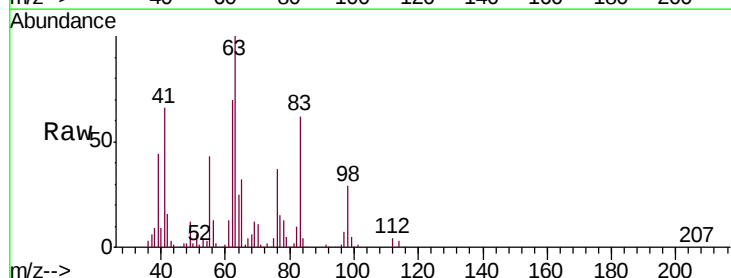
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

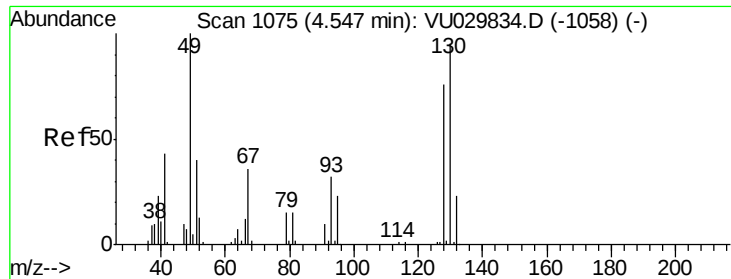
Tgt Ion:130 Resp: 208777  
 Ion Ratio Lower Upper  
 130 100  
 95 95.7 76.6 114.8



#38  
 1,2-Dichloropropane  
 Concen: 9.888 ug/l  
 RT: 6.43 min Scan# 1660  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Tgt Ion: 63 Resp: 182575  
 Ion Ratio Lower Upper  
 63 100  
 65 31.8 25.4 38.2

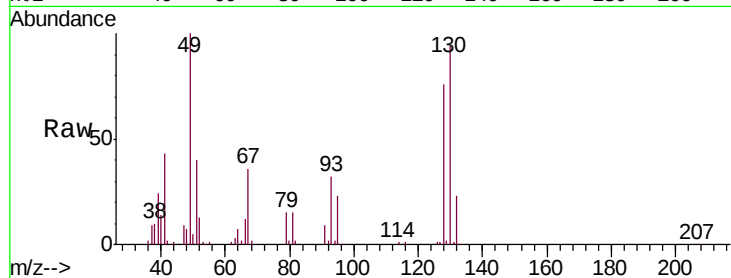




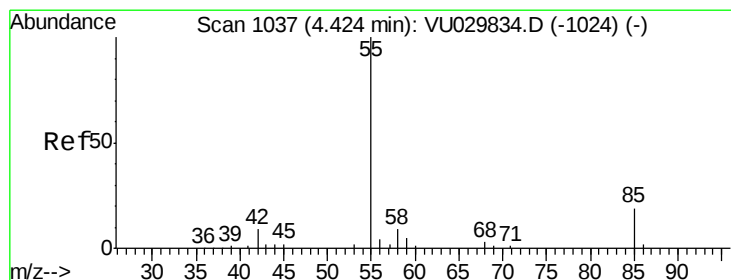
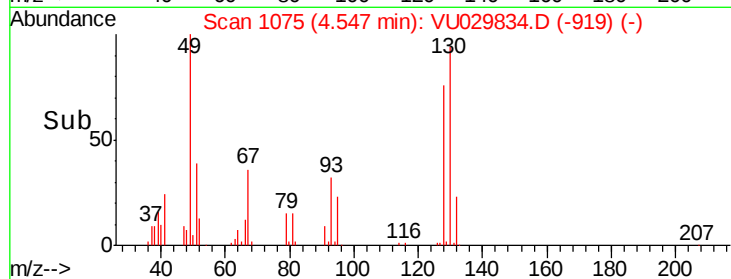
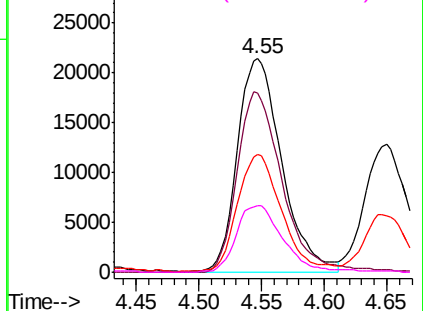
#39  
Methacrylonitrile  
Concen: 10.031 ug/l  
RT: 4.55 min Scan# 1075  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 52897 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 67       | 85.5  | 68.4  | 102.6 |
| 39       | 53.2  | 42.6  | 63.8  |
| 52       | 32.8  | 26.2  | 39.4  |

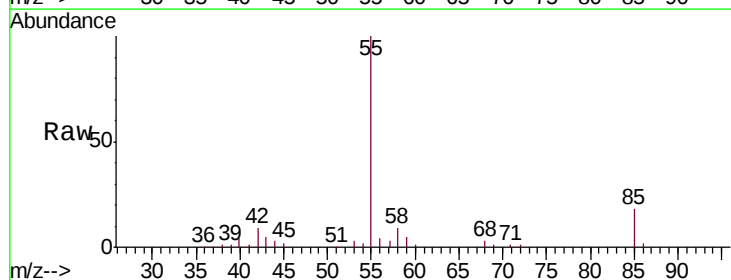


Abundance Ion 41.00 (40.70 to 41.70): VU0  
Ion 67.00 (66.70 to 67.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0

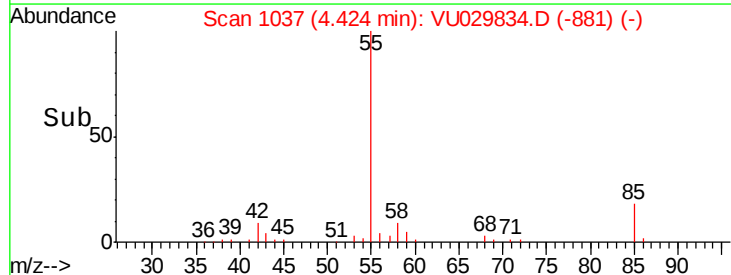
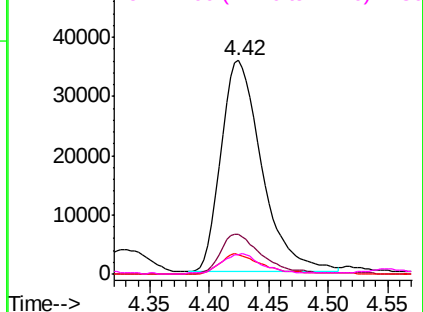


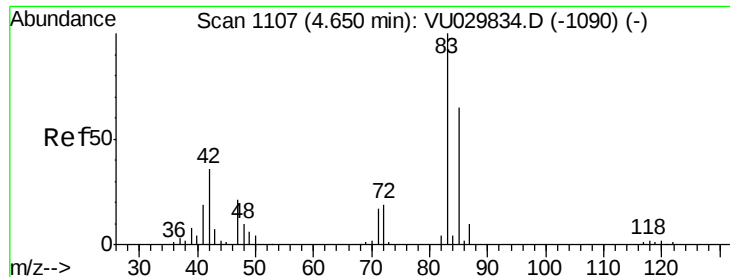
#40  
Methyl acrylate  
Concen: 10.200 ug/l  
RT: 4.42 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 55    | Resp: | 85016 |
| Ion      | Ratio | Lower | Upper |
| 55       | 100   |       |       |
| 85       | 19.0  | 15.2  | 22.8  |
| 58       | 9.5   | 7.6   | 11.4  |
| 42       | 9.4   | 7.5   | 11.3  |



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: 19.196 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

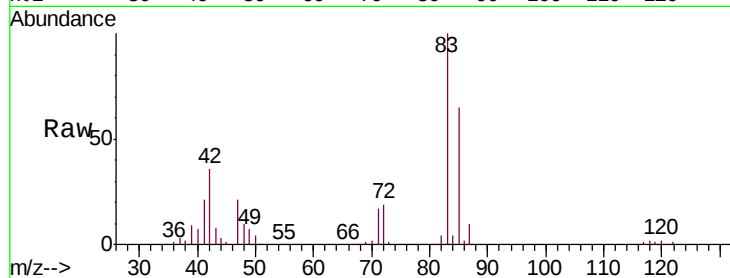
Tgt Ion: 42 Resp: 52946

Ion Ratio Lower Upper

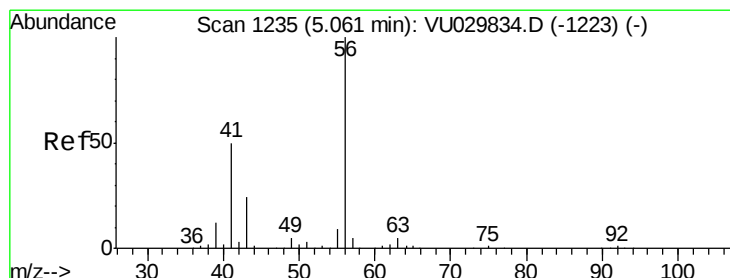
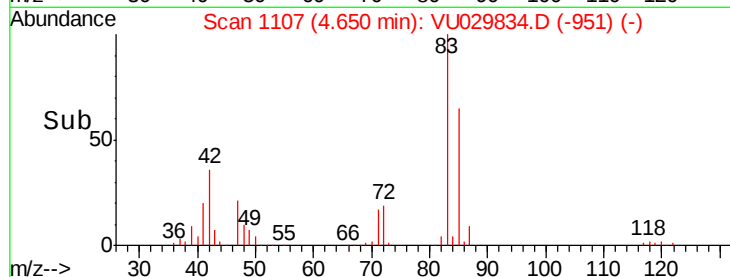
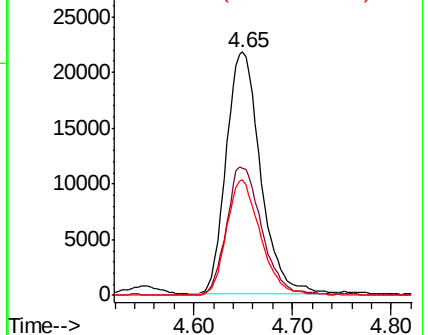
42 100

72 54.5 43.6 65.4

71 46.9 37.5 56.3



Abundance Ion 42.00 (41.70 to 42.70): VU0  
Ion 72.00 (71.70 to 72.70): VU0  
Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 10.071 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU029834.D

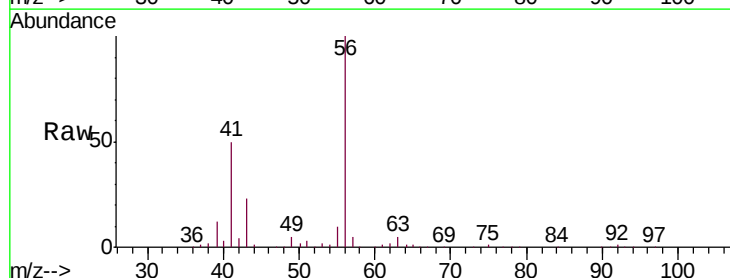
Acq: 06 Mar 2019 11:14

Tgt Ion: 56 Resp: 318610

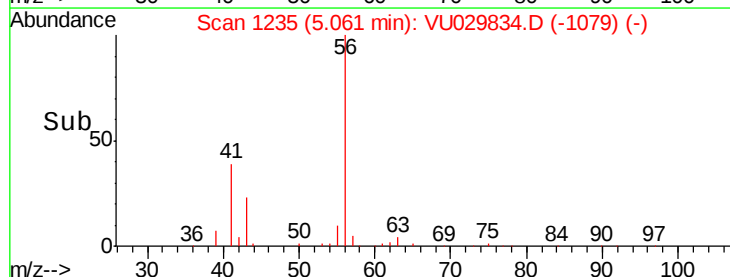
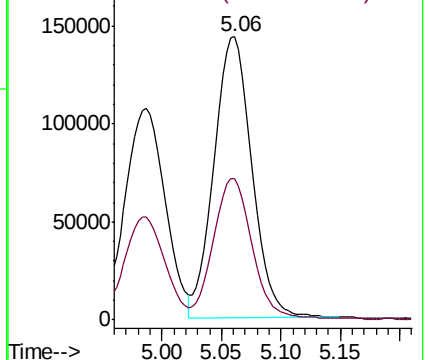
Ion Ratio Lower Upper

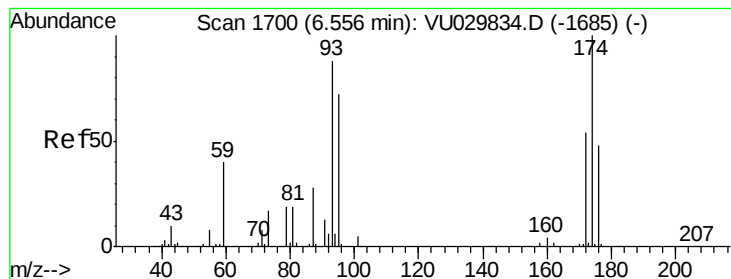
56 100

41 50.0 25.0 75.0



Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 10.024 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

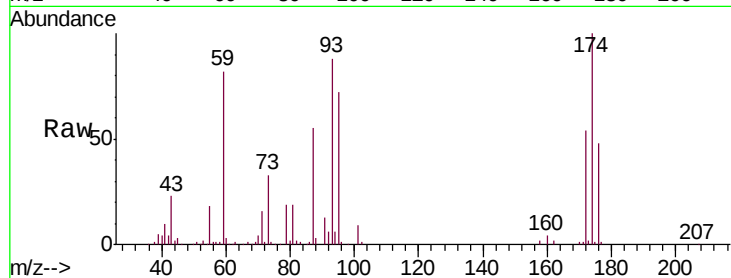
Tgt Ion: 93 Resp: 95930

Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

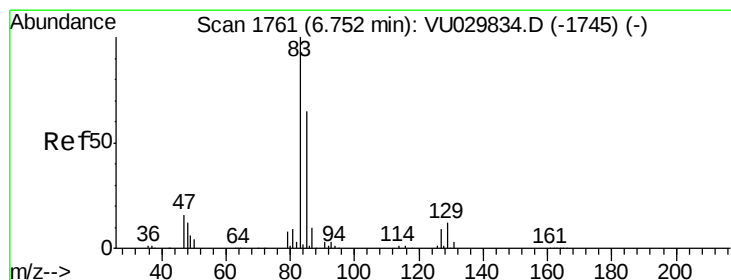
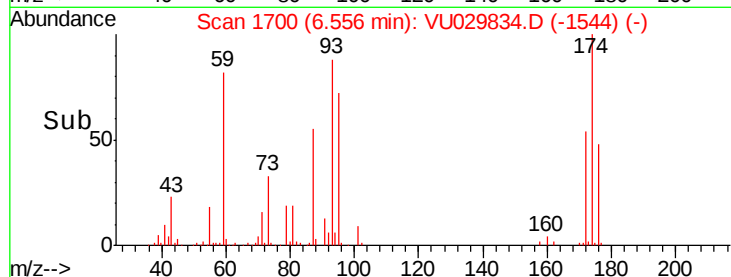
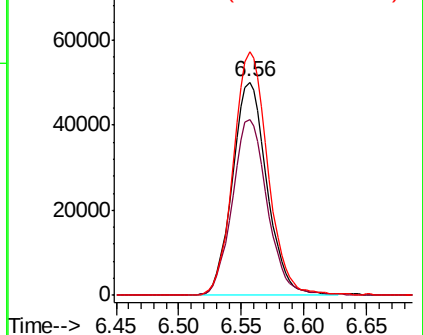
174 114.3 91.4 137.2



Abundance Ion 93.00 (92.70 to 93.70): VU029834.D (-1685) (-)

Ion 95.00 (94.70 to 95.70): VU029834.D (-1685) (-)

Ion 174.00 (173.70 to 174.70): VU029834.D (-1685) (-)



#44

Bromodichloromethane

Concen: 9.931 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

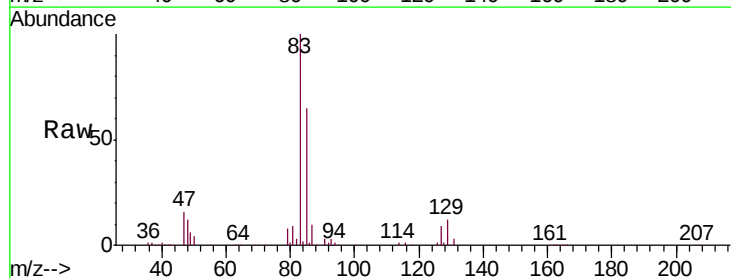
Tgt Ion: 83 Resp: 233413

Ion Ratio Lower Upper

83 100

85 64.6 51.7 77.5

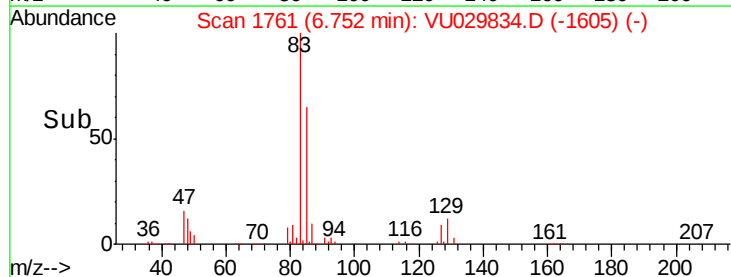
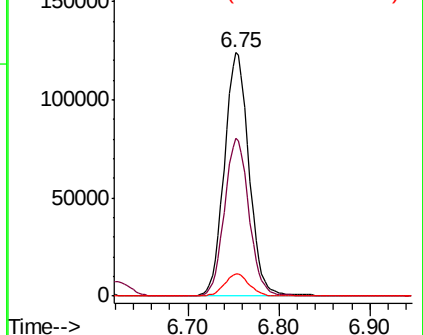
127 9.3 7.4 11.2

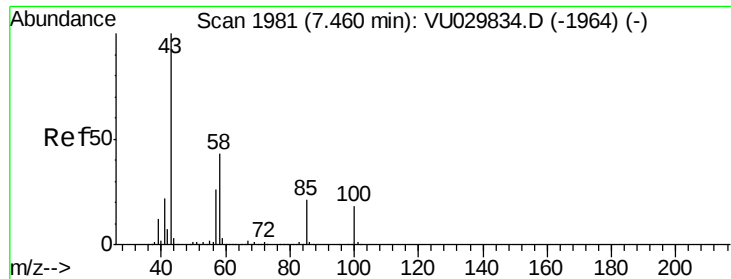


Abundance Ion 83.00 (82.70 to 83.70): VU029834.D (-1745) (-)

Ion 85.00 (84.70 to 85.70): VU029834.D (-1745) (-)

Ion 127.00 (126.70 to 127.70): VU029834.D (-1745) (-)

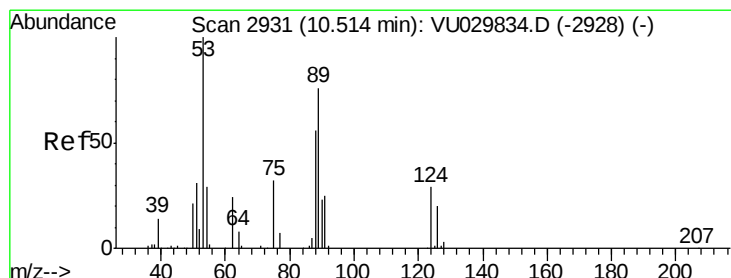
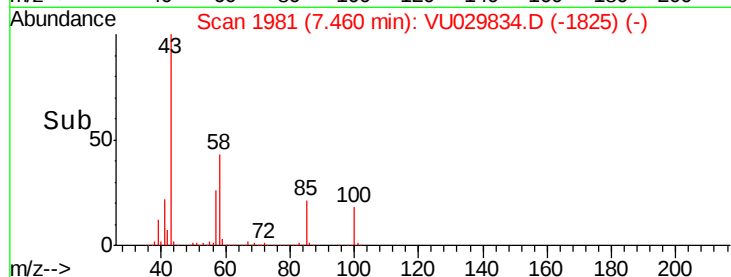
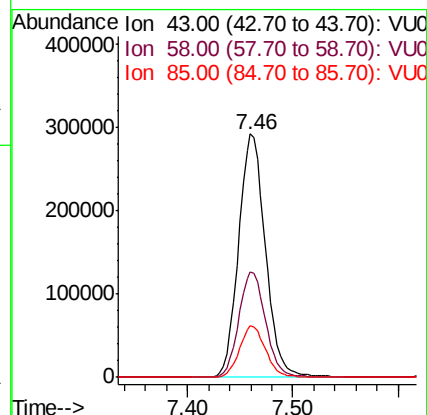
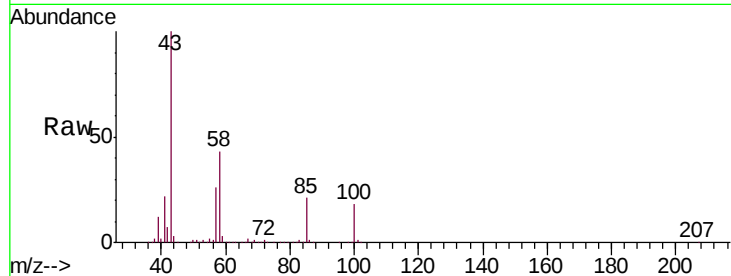




#45  
 4-Methyl-2-Pentanone  
 Concen: 51.664 ug/l  
 RT: 7.46 min Scan# 1981  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

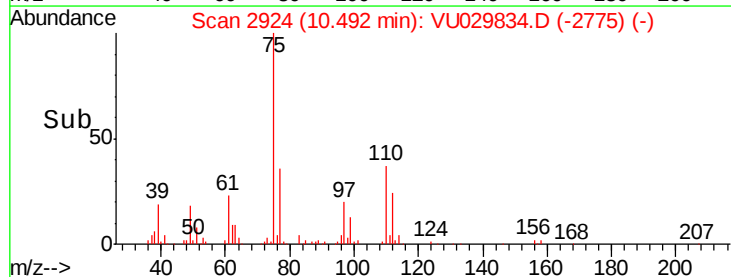
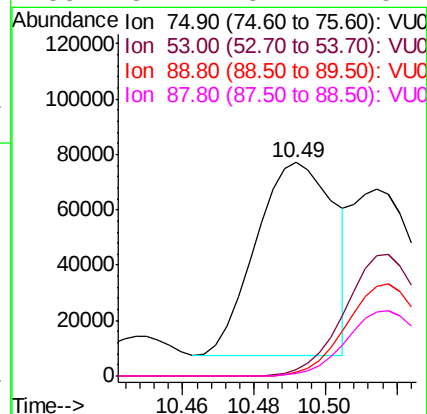
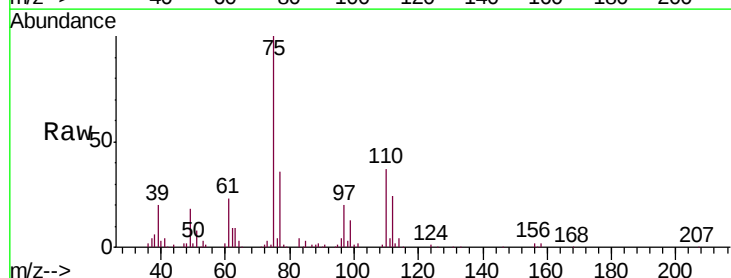
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

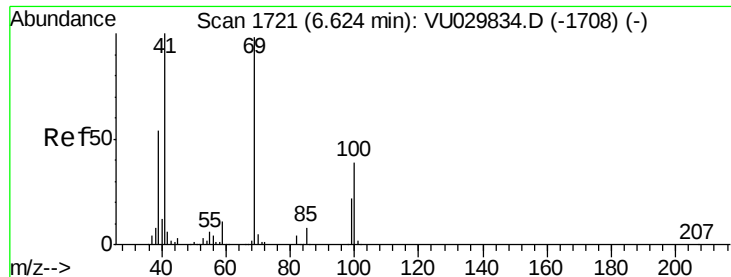
Tgt Ion: 43 Resp: 515658  
 Ion Ratio Lower Upper  
 43 100  
 58 43.3 21.6 65.0  
 85 20.6 16.5 24.7



#46  
 t-1,4-Dichloro-2-butene  
 Concen: 24.634 ug/l  
 RT: 10.49 min Scan# 2924  
 Delta R.T. -0.02 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Tgt Ion: 75 Resp: 107029  
 Ion Ratio Lower Upper  
 75 100  
 53 63.0 59.2 88.8  
 89 47.8 44.9 67.3  
 88 34.2 32.2 48.2

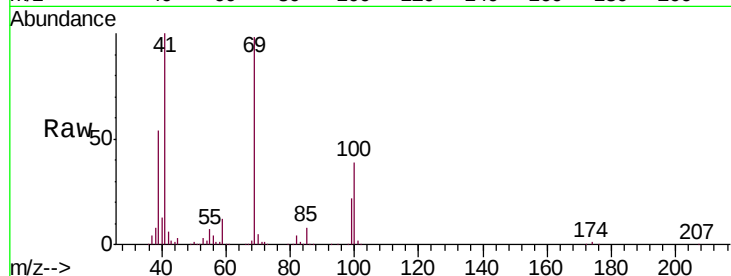




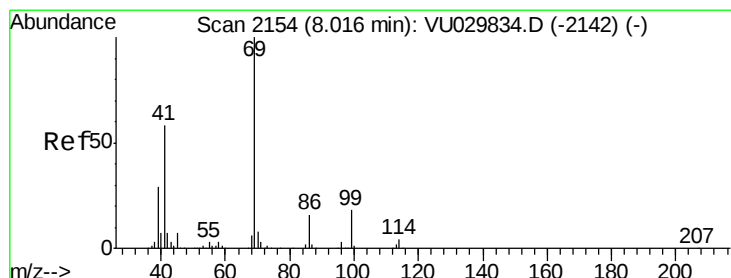
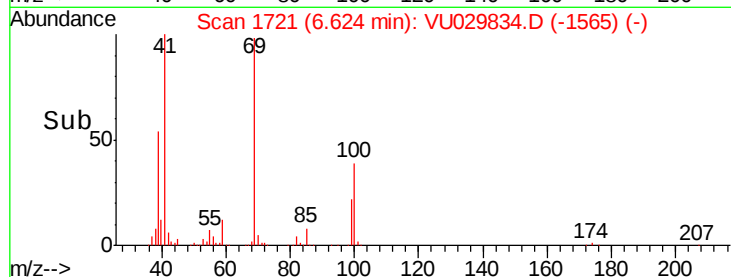
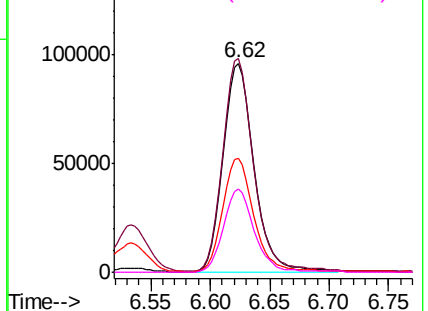
#47  
Methyl methacrylate  
Concen: 21.175 ug/l  
RT: 6.62 min Scan# 1721  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 69 Resp: 173894  
Ion Ratio Lower Upper  
69 100  
41 100.5 0.0 201.0  
39 54.1 43.3 64.9  
100 39.4 31.5 47.3

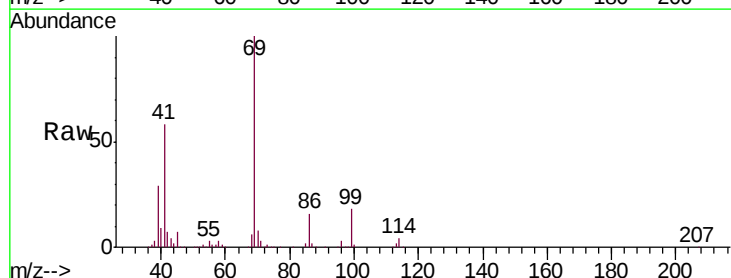


Abundance Ion 69.00 (68.70 to 69.70): VU0  
Ion 41.00 (40.70 to 41.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 100.00 (99.70 to 100.70): VU0

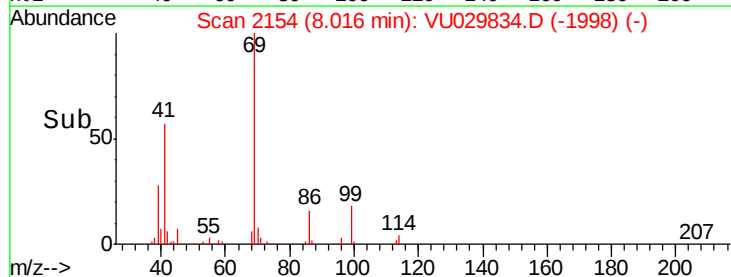
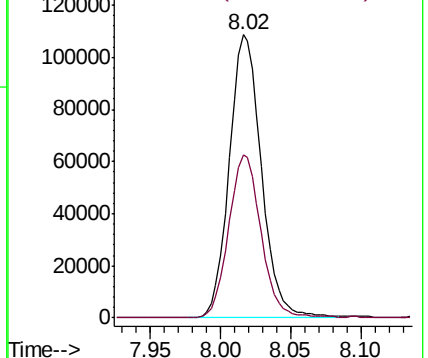


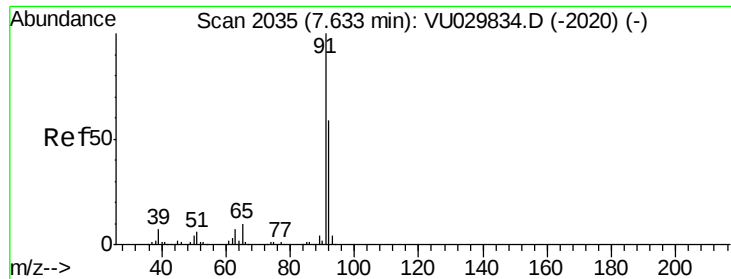
#48  
Ethyl methacrylate  
Concen: 11.018 ug/l  
RT: 8.02 min Scan# 2154  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Tgt Ion: 69 Resp: 173370  
Ion Ratio Lower Upper  
69 100  
41 58.1 29.0 87.1



Abundance Ion 69.00 (68.70 to 69.70): VU0  
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 10.375 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

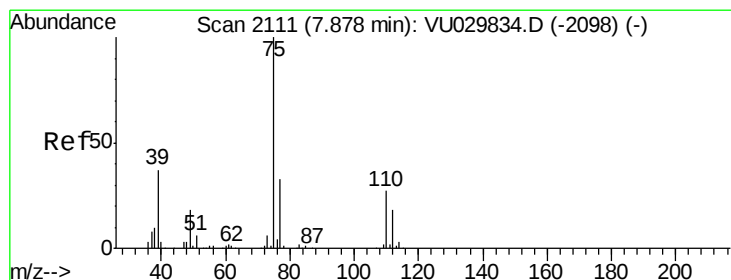
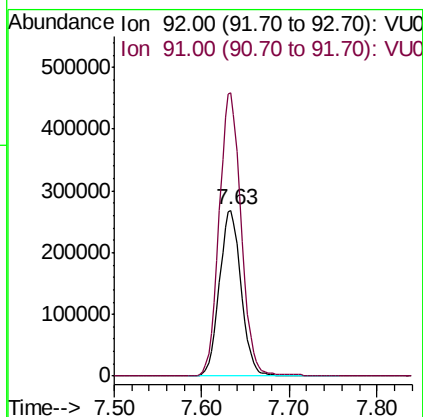
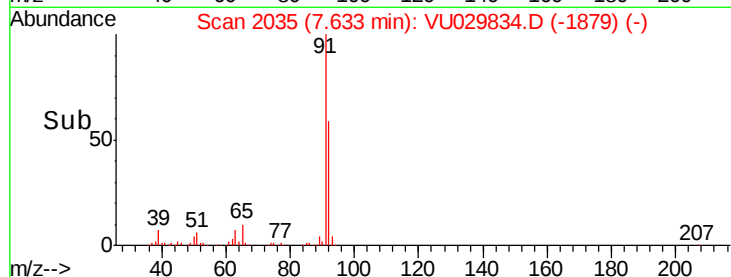
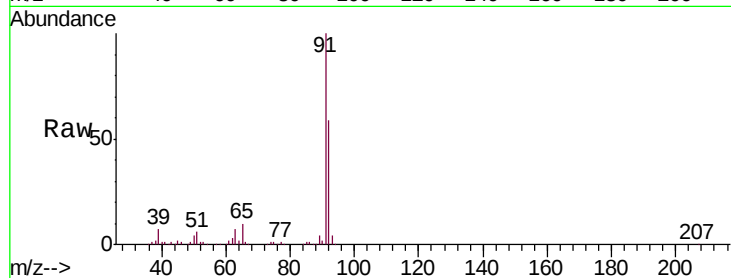
VSTDICCC010

Tgt Ion: 92 Resp: 464768

Ion Ratio Lower Upper

92 100

91 172.3 137.8 206.8



#50

t-1,3-Dichloropropene

Concen: 10.449 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029834.D

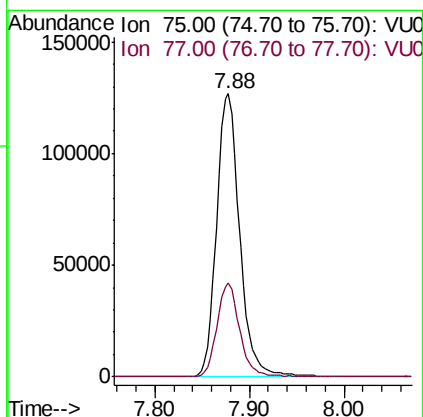
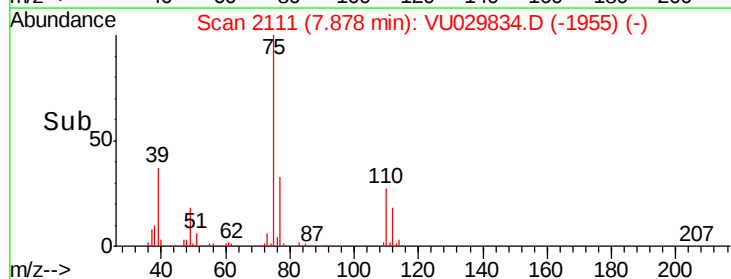
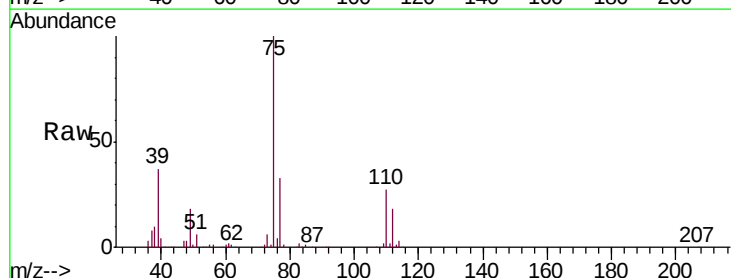
Acq: 06 Mar 2019 11:14

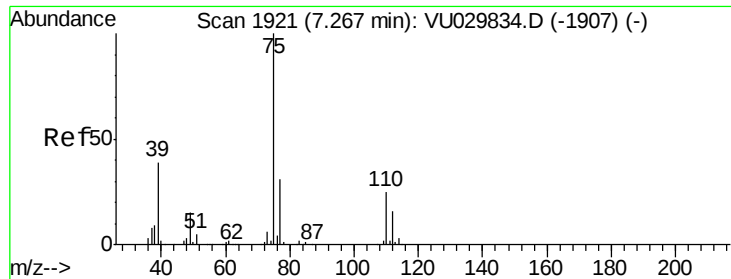
Tgt Ion: 75 Resp: 215221

Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6

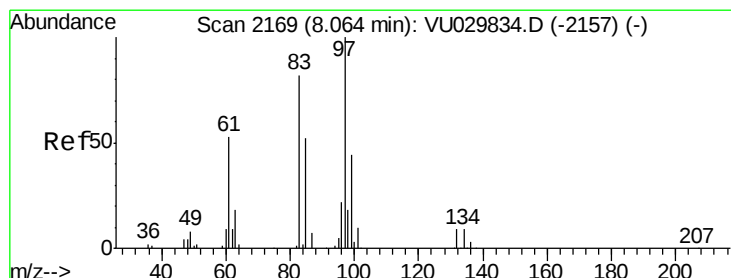
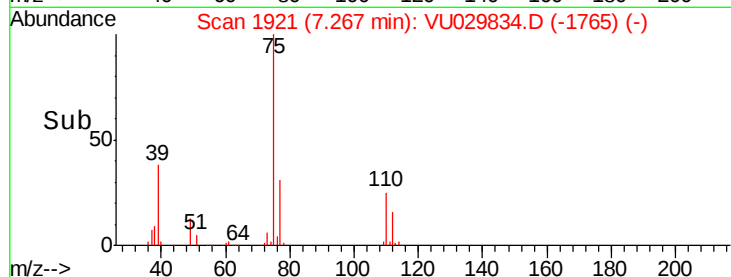
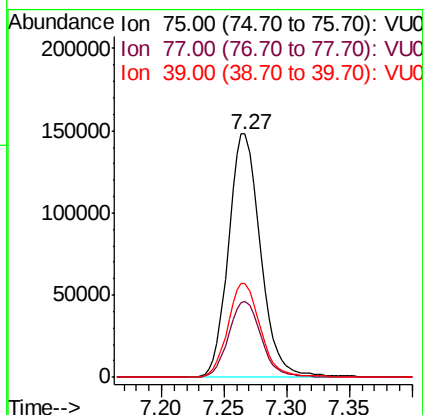
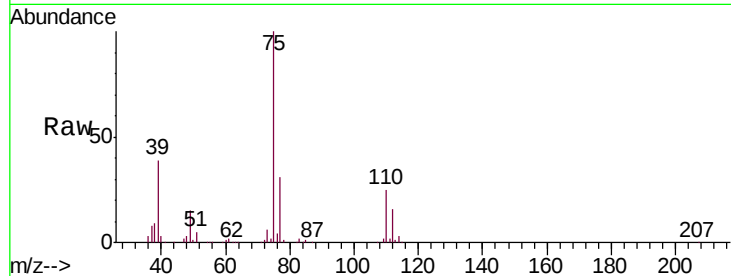




#51  
 cis-1,3-Dichloropropene  
 Concen: 10.336 ug/l  
 RT: 7.27 min Scan# 1921  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

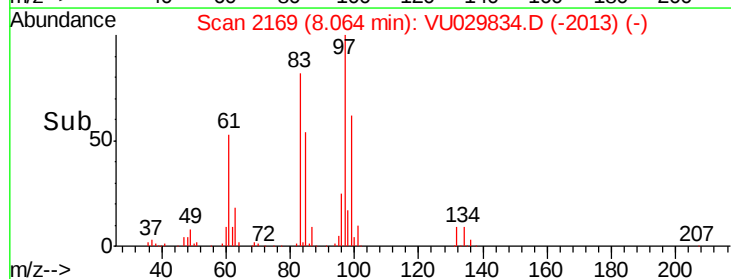
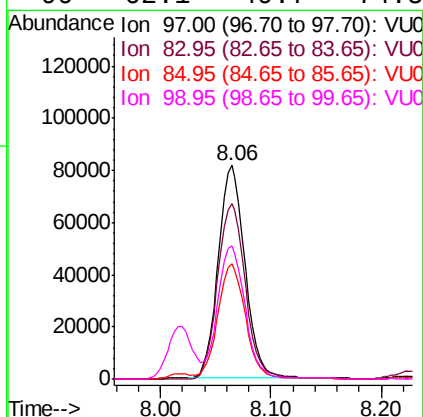
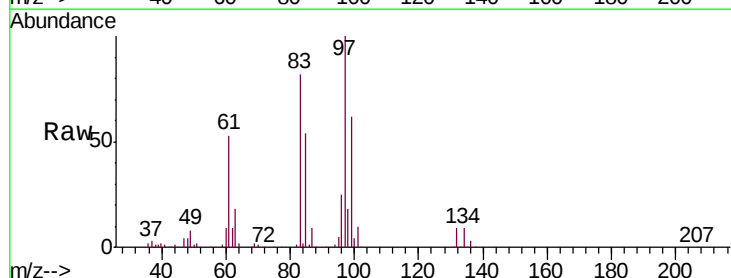
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

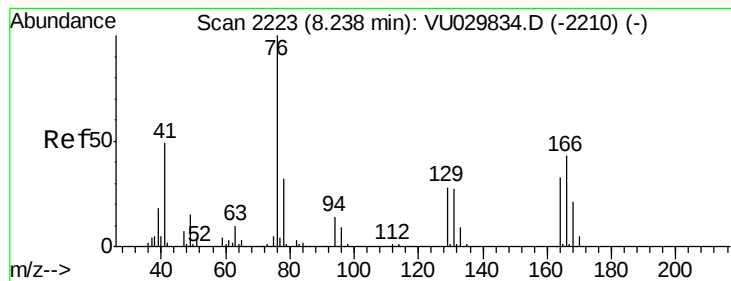
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.1  | 24.9  | 37.3  |
| 39      | 38.5  | 30.8  | 46.2  |



#52  
 1,1,2-Trichloroethane  
 Concen: 9.698 ug/l  
 RT: 8.06 min Scan# 2169  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 82.4  | 65.9  | 98.9  |
| 85      | 53.8  | 43.0  | 64.6  |
| 99      | 62.1  | 49.7  | 74.5  |





#53

1,3-Dichloropropane

Concen: 9.923 ug/l

RT: 8.24 min Scan# 2223

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

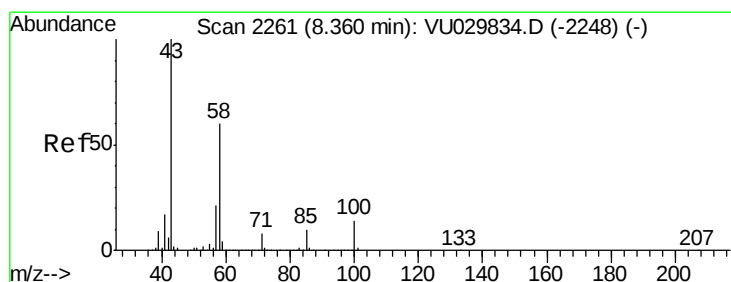
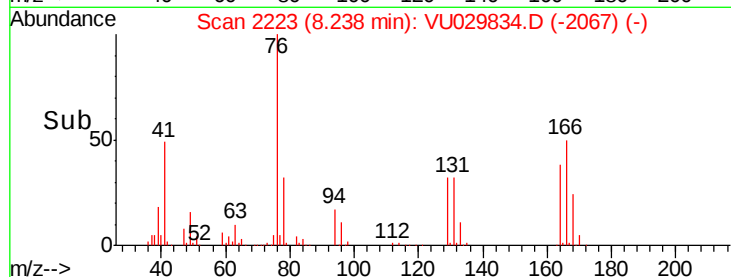
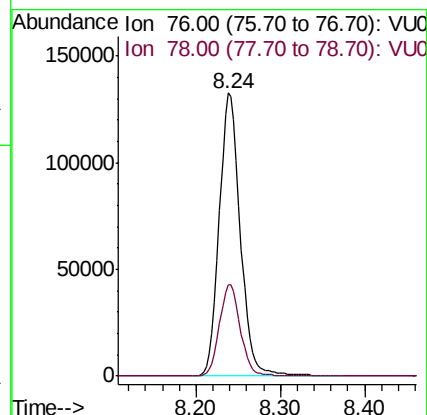
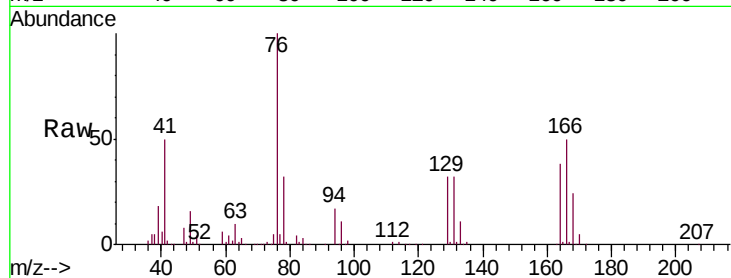
VSTDICCC010

Tgt Ion: 76 Resp: 230551

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



#54

2-Hexanone

Concen: 53.030 ug/l

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

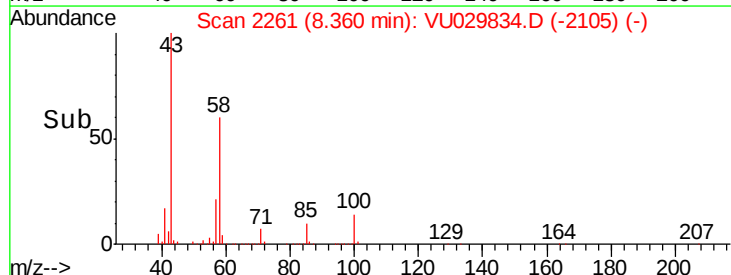
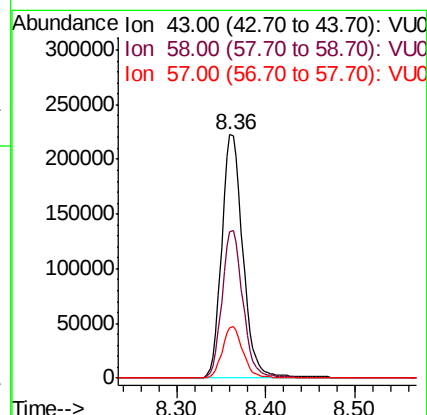
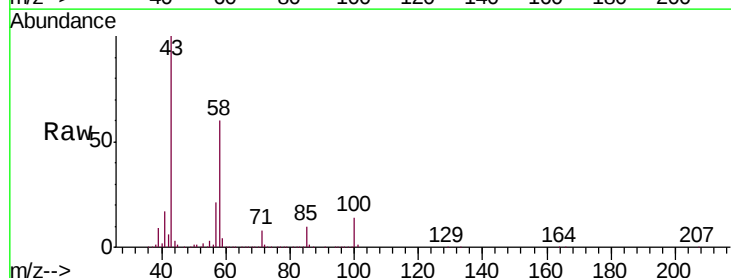
Tgt Ion: 43 Resp: 367594

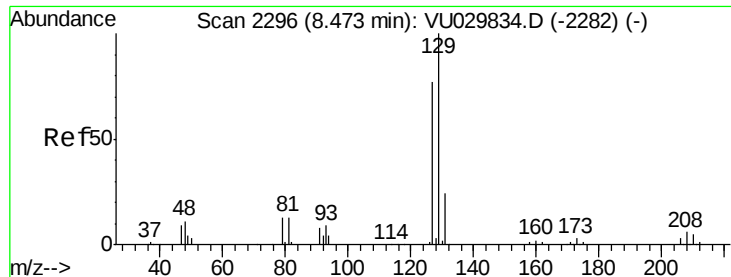
Ion Ratio Lower Upper

43 100

58 59.6 39.6 79.6

57 20.5 0.5 40.5





#55

Dibromochloromethane

Concen: 10.218 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

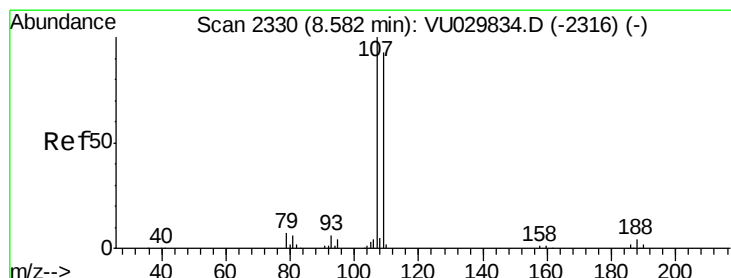
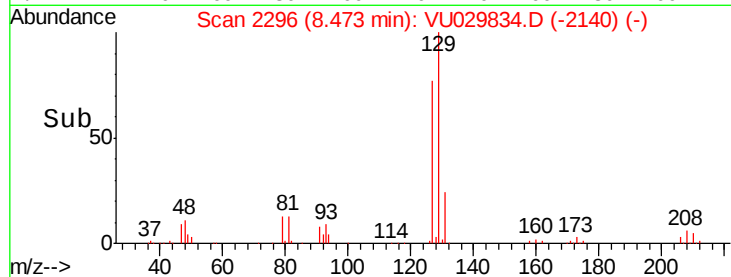
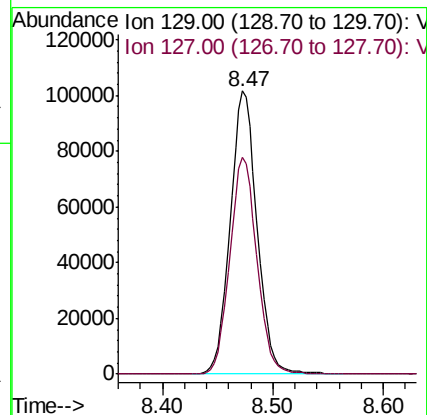
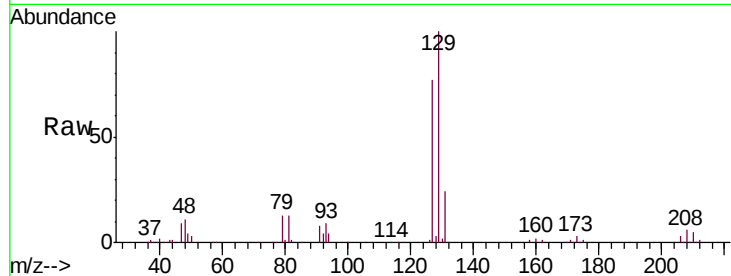
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion:129 Resp: 171790

Ion Ratio Lower Upper

129 100

127 77.0 61.6 92.4



#56

1,2-Dibromoethane

Concen: 9.897 ug/l

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU029834.D

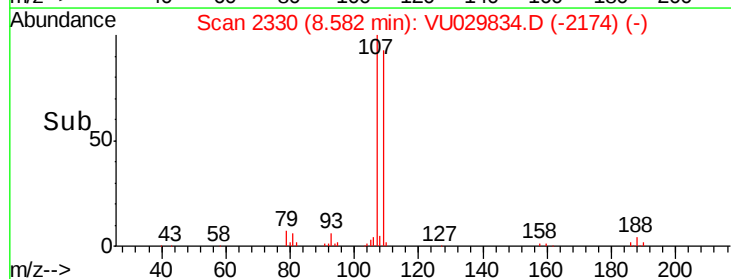
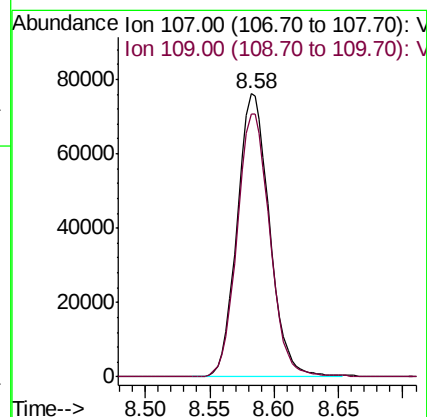
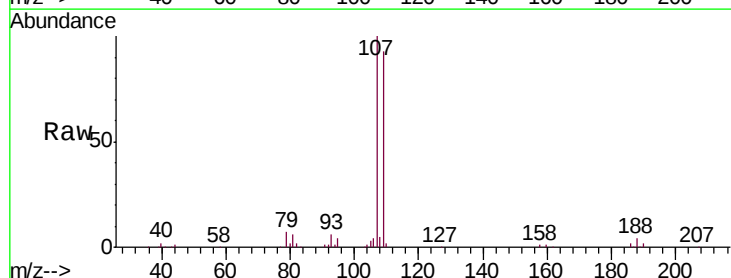
Acq: 06 Mar 2019 11:14

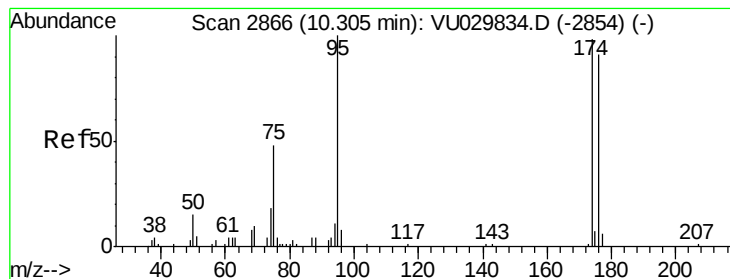
Tgt Ion:107 Resp: 132932

Ion Ratio Lower Upper

107 100

109 94.2 0.0 188.4





#57

4-Bromofluorobenzene

Concen: 9.897 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

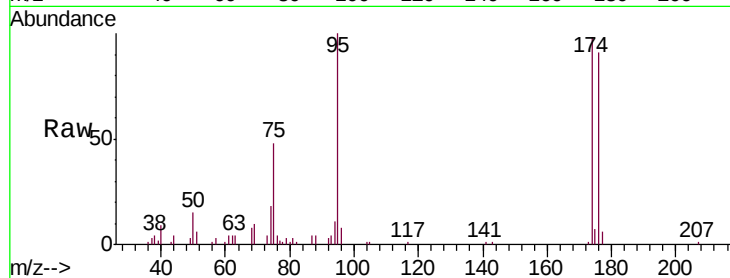
Tgt Ion: 95 Resp: 24354

Ion Ratio Lower Upper

95 100

174 95.6 76.5 114.7

176 92.7 74.2 111.2

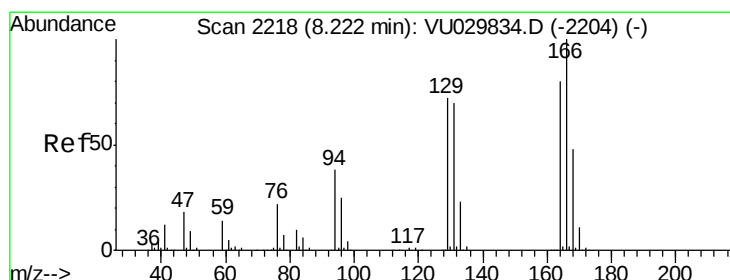
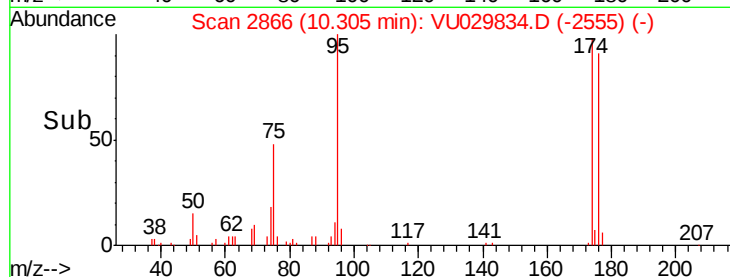
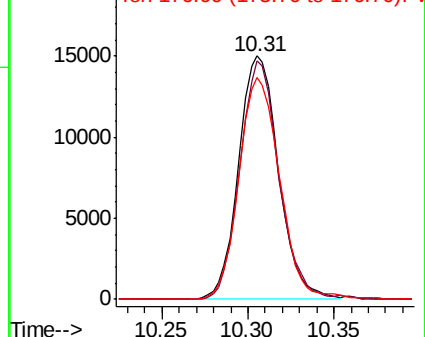


Abundance

Ion 95.00 (94.70 to 95.70): VU029834.D (-2854) (-)

Ion 174.00 (173.70 to 174.70): VU029834.D (-2854) (-)

Ion 176.00 (175.70 to 176.70): VU029834.D (-2854) (-)



#58

Tetrachloroethene

Concen: 9.738 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Tgt Ion: 164 Resp: 211839

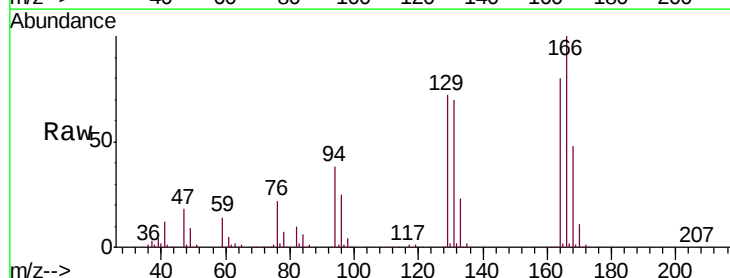
Ion Ratio Lower Upper

164 100

166 125.6 100.5 150.7

129 90.4 72.3 108.5

131 87.5 70.0 105.0



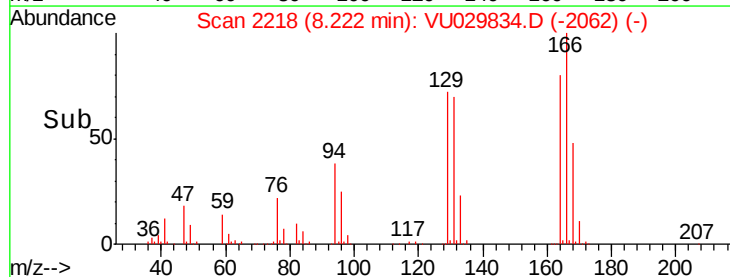
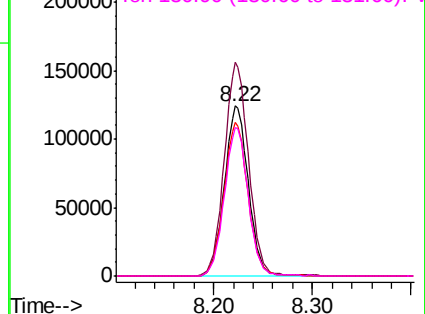
Abundance

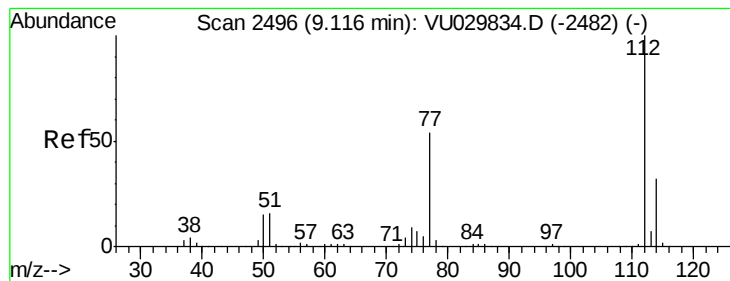
Ion 163.85 (163.55 to 164.55): VU029834.D (-2204) (-)

Ion 165.80 (165.50 to 166.50): VU029834.D (-2204) (-)

Ion 128.90 (128.60 to 129.60): VU029834.D (-2204) (-)

Ion 130.90 (130.60 to 131.60): VU029834.D (-2204) (-)





#59

Chlorobenzene

Concen: 10.190 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

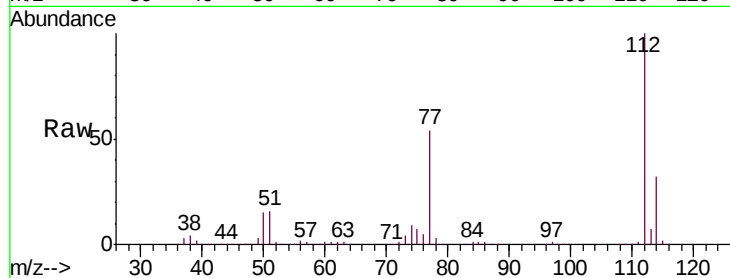
VSTDICCC010

Tgt Ion:112 Resp: 524631

Ion Ratio Lower Upper

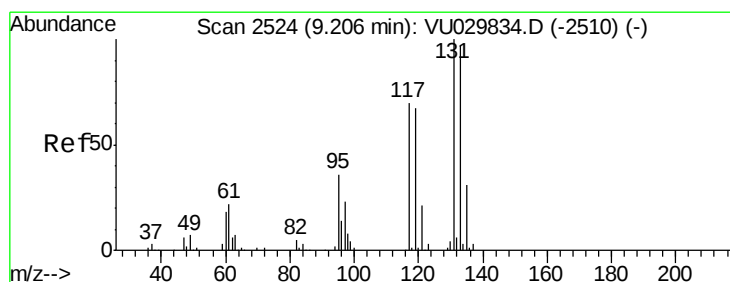
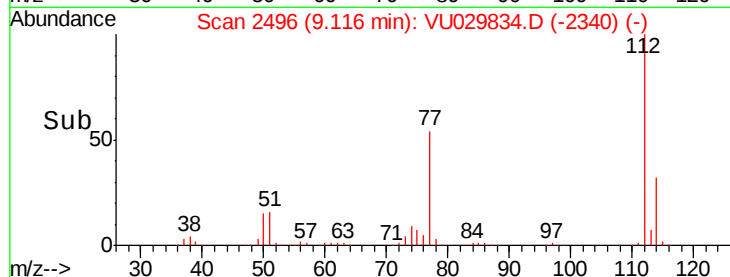
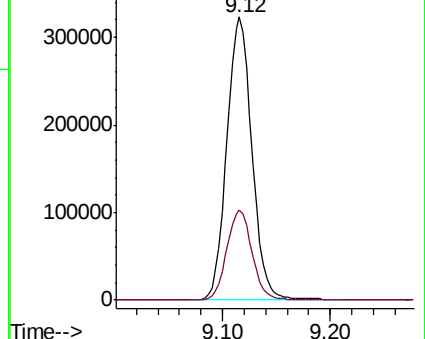
112 100

114 31.8 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: 9.948 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

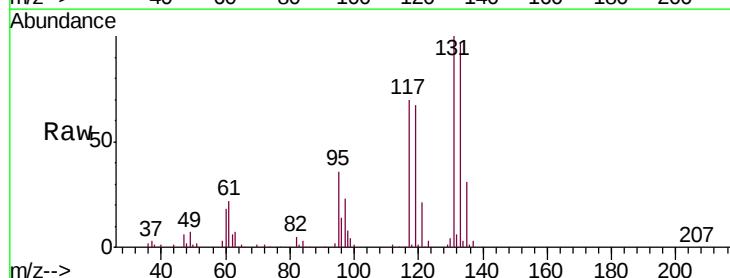
Tgt Ion:131 Resp: 183722

Ion Ratio Lower Upper

131 100

133 95.5 76.4 114.6

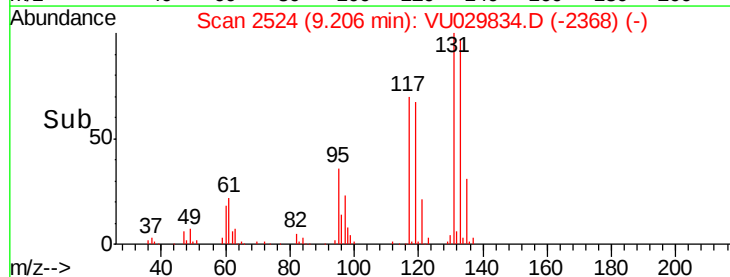
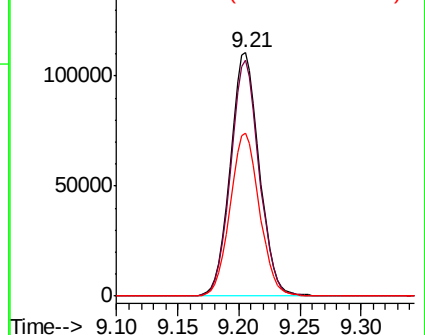
119 67.8 54.2 81.4

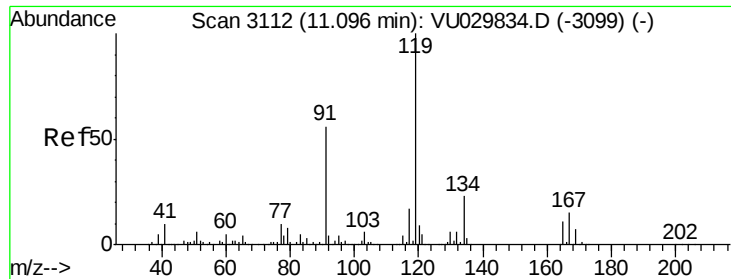


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 10.309 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

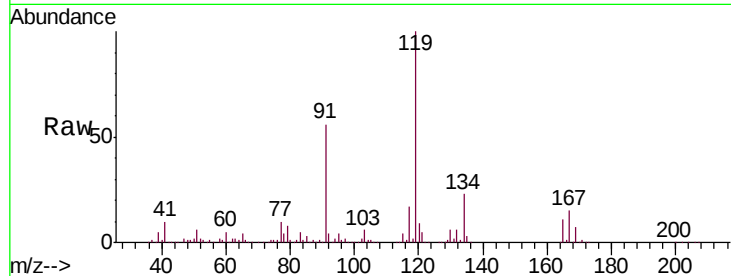
VSTDICCC010

Tgt Ion:117 Resp: 132554

Ion Ratio Lower Upper

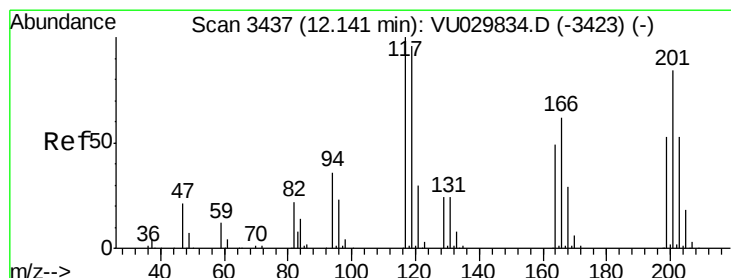
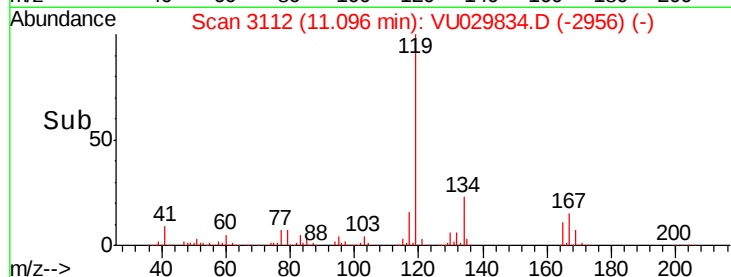
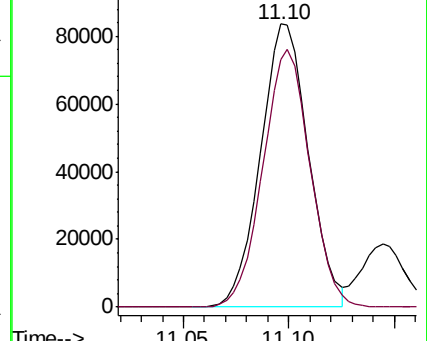
117 100

167 89.3 71.4 107.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 10.702 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU029834.D

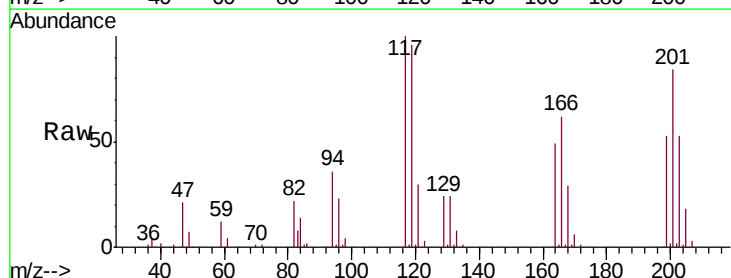
Acq: 06 Mar 2019 11:14

Tgt Ion:117 Resp: 144769

Ion Ratio Lower Upper

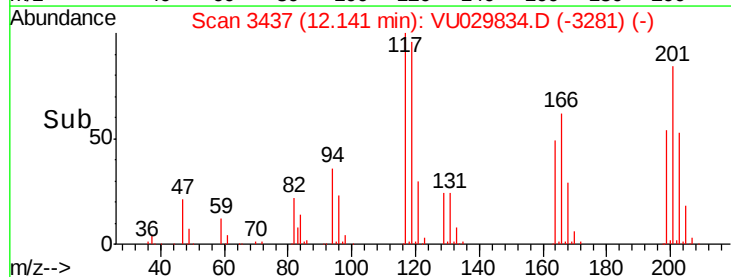
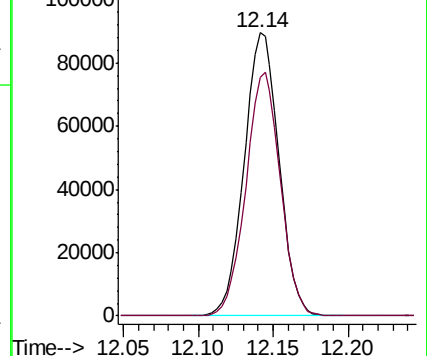
117 100

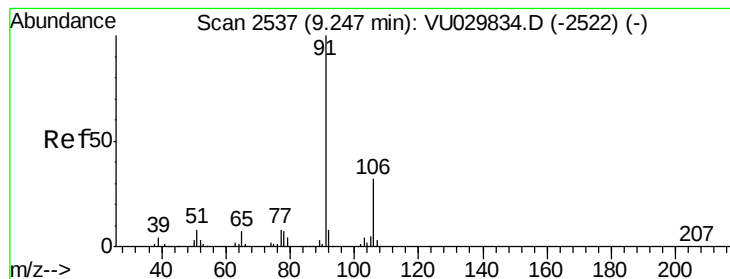
201 85.2 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 10.538 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

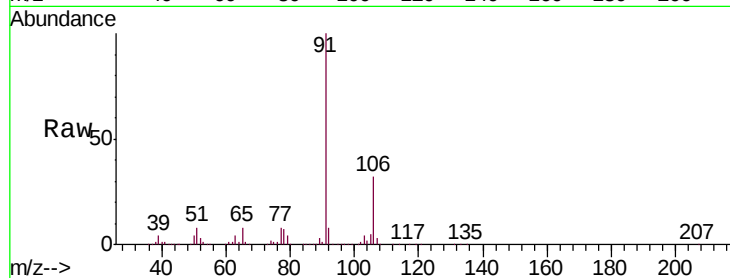
VSTDICCC010

Tgt Ion: 91 Resp: 888746

Ion Ratio Lower Upper

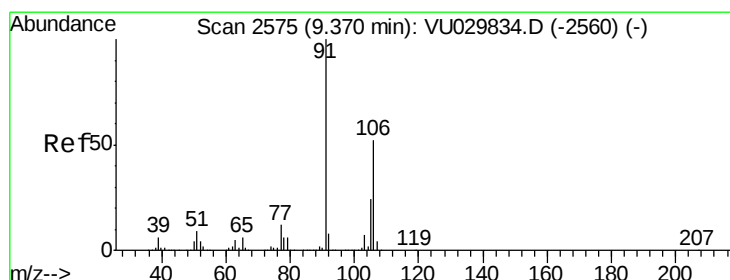
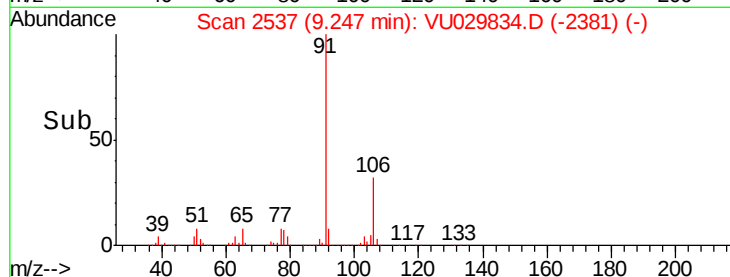
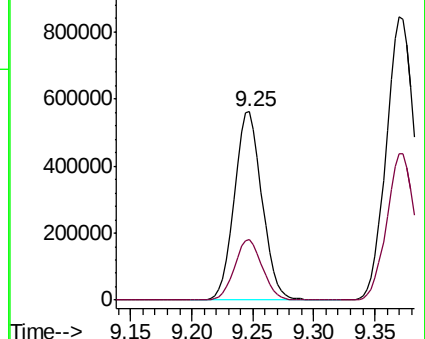
91 100

106 32.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VU029834.D (-2522) (-)

Ion 106.00 (105.70 to 106.70): VU029834.D (-2522) (-)



#64

m/p-Xylenes

Concen: 21.524 ug/l

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU029834.D

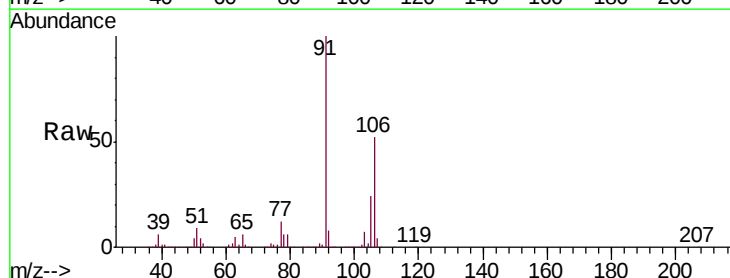
Acq: 06 Mar 2019 11:14

Tgt Ion: 106 Resp: 717636

Ion Ratio Lower Upper

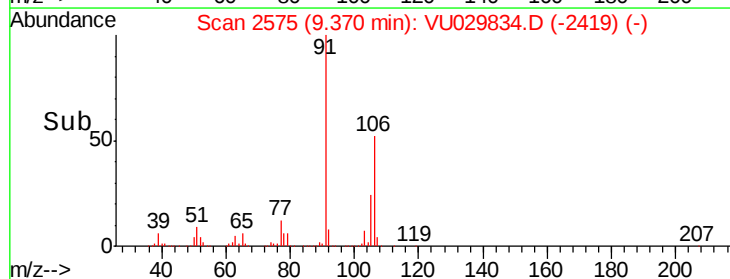
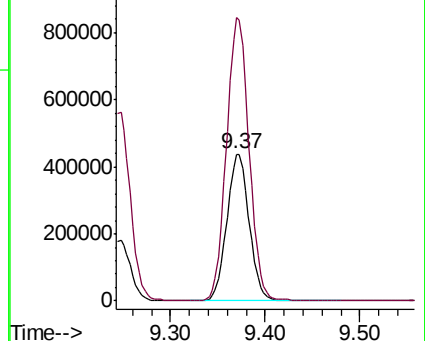
106 100

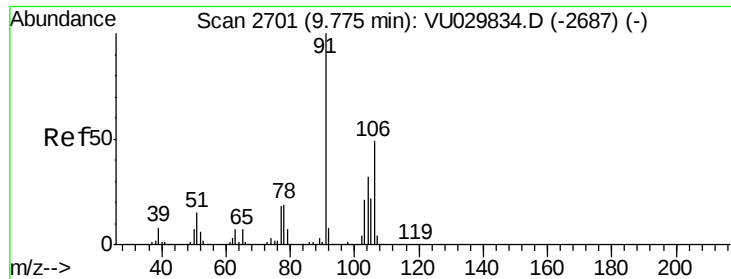
91 194.1 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): VU029834.D (-2560) (-)

Ion 91.00 (90.70 to 91.70): VU029834.D (-2560) (-)





#65

o-Xylene

Concen: 10.713 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

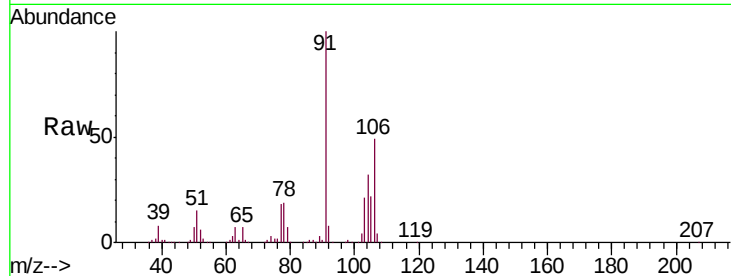
VSTDICCC010

Tgt Ion:106 Resp: 343031

Ion Ratio Lower Upper

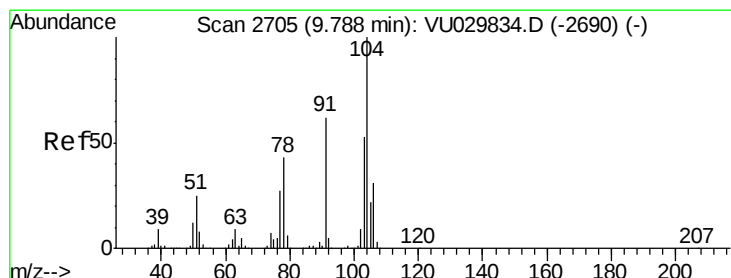
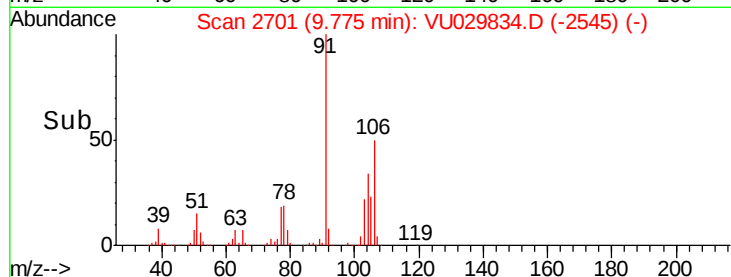
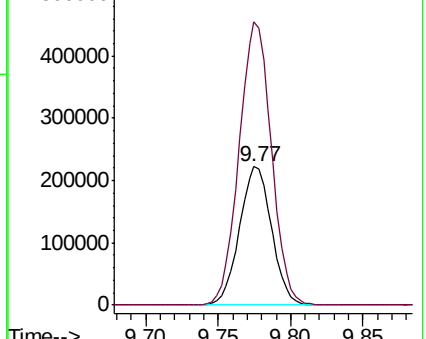
106 100

91 205.5 102.8 308.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 10.870 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

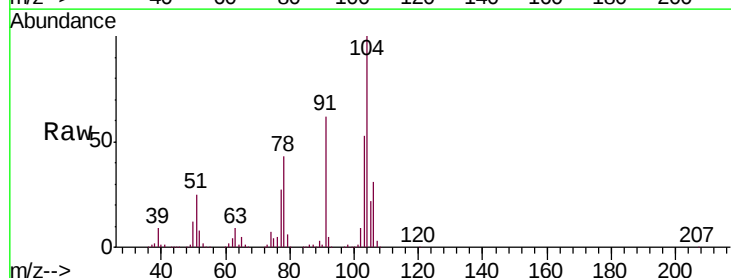
Tgt Ion:104 Resp: 578232

Ion Ratio Lower Upper

104 100

78 46.5 37.2 55.8

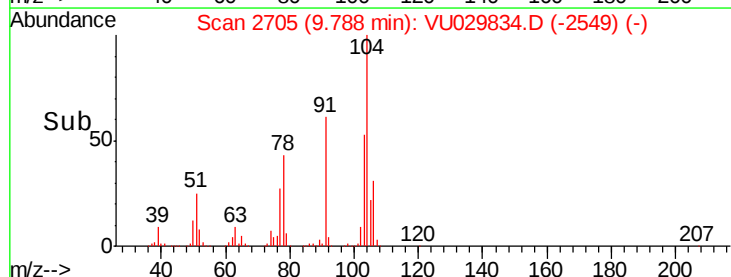
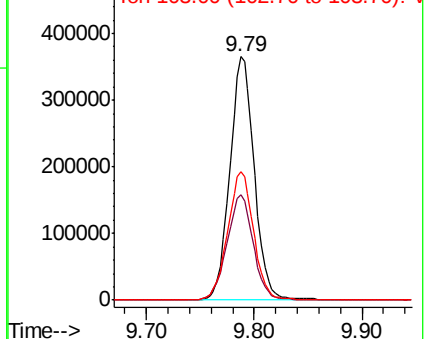
103 55.9 44.7 67.1

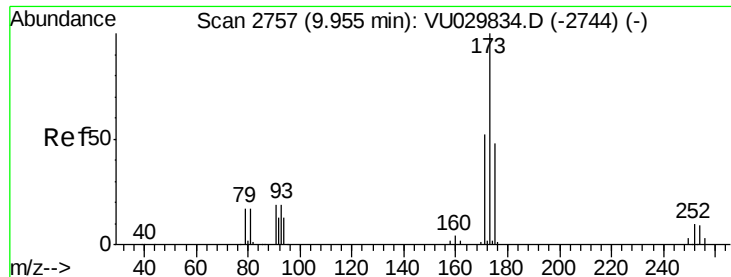


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 10.551 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

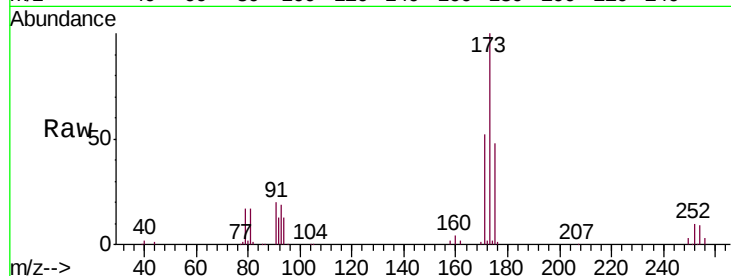
Tgt Ion:173 Resp: 104182

Ion Ratio Lower Upper

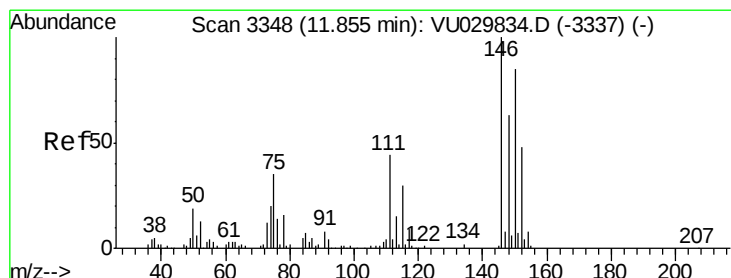
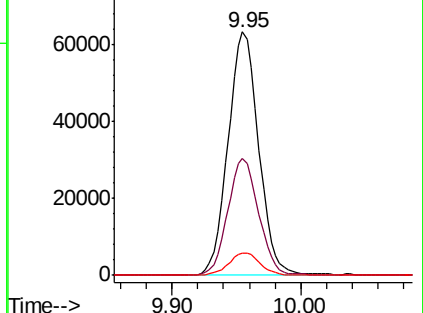
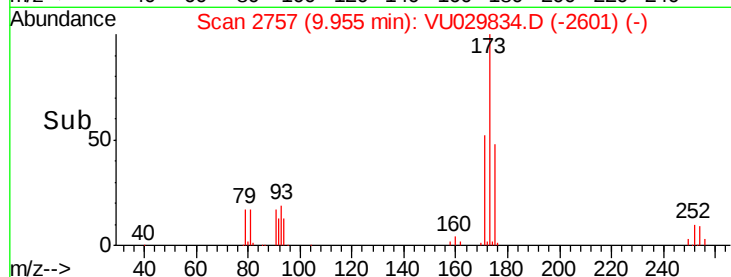
173 100

175 48.2 38.6 57.8

254 9.3 7.4 11.2



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: 10.551 ug/l

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

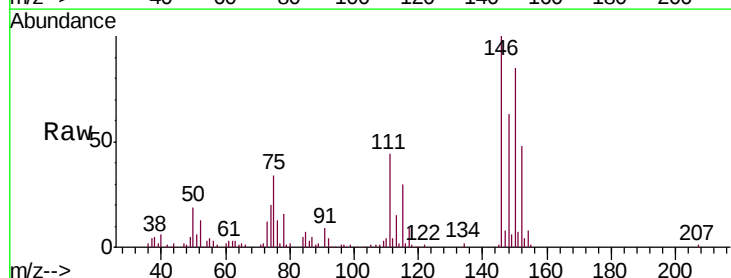
Tgt Ion:152 Resp: 27453

Ion Ratio Lower Upper

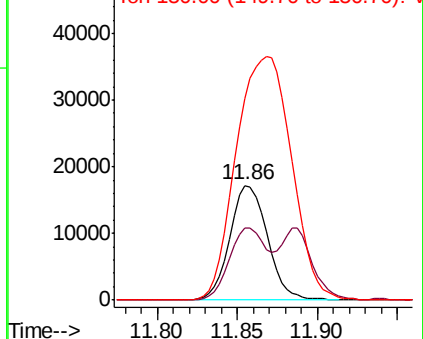
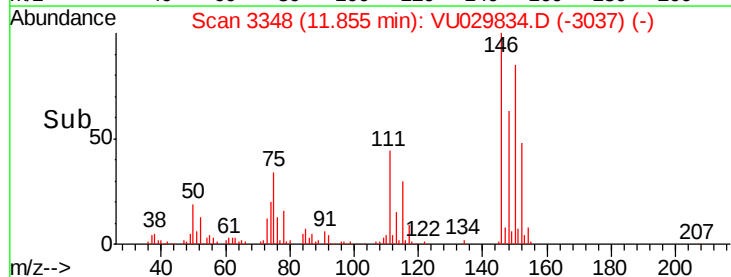
152 100

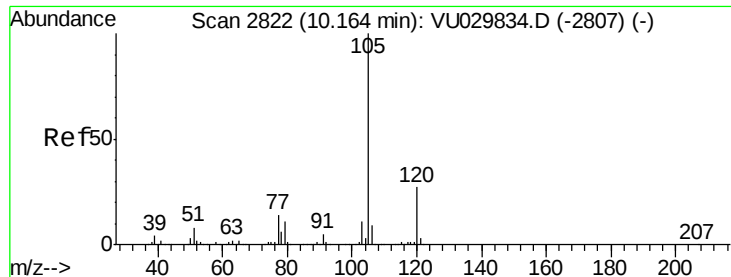
115 62.0 0.0 124.0

150 315.6 0.0 631.2



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: 10.625 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

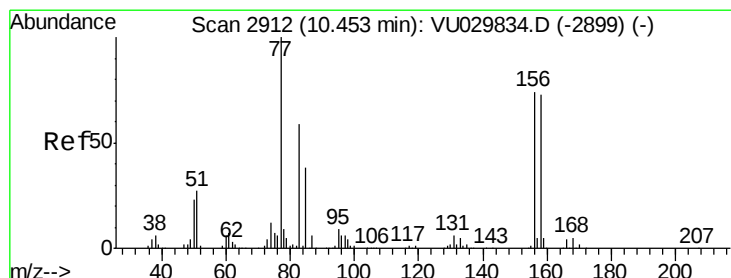
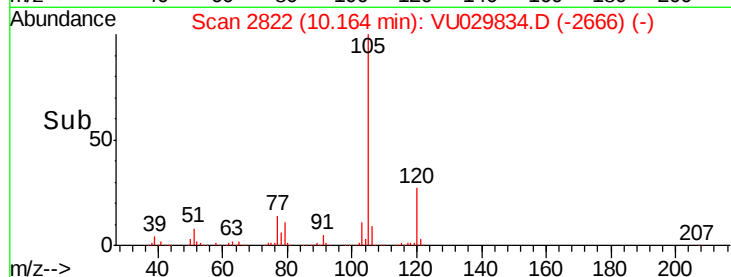
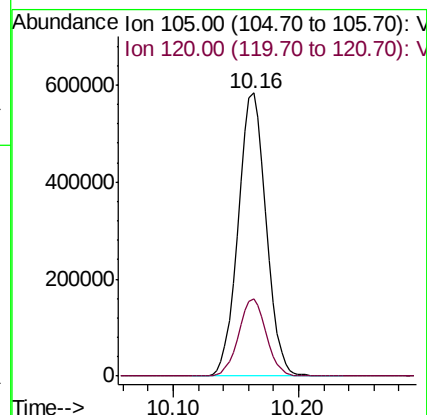
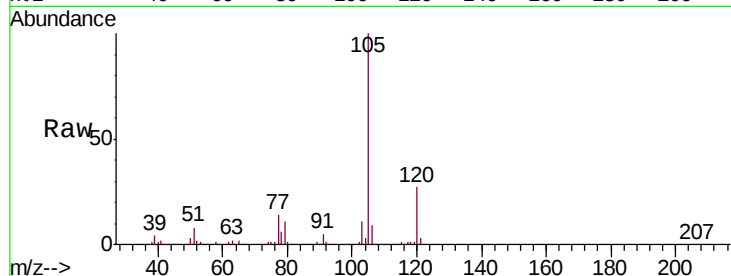
VSTDICCC010

Tgt Ion:105 Resp: 902217

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#70

1,1,2,2-Tetrachloroethane

Concen: 9.952 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

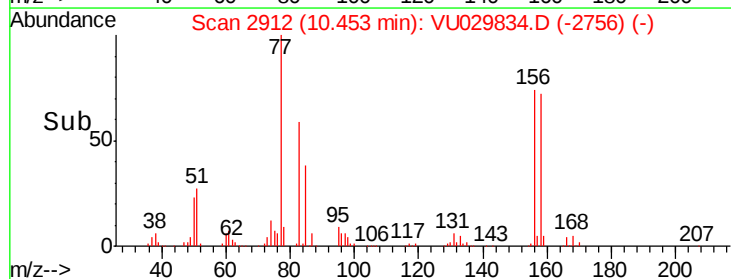
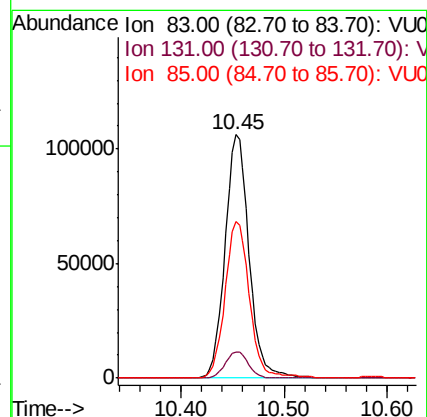
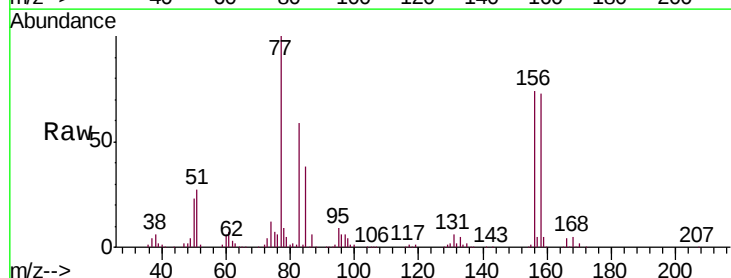
Tgt Ion: 83 Resp: 171936

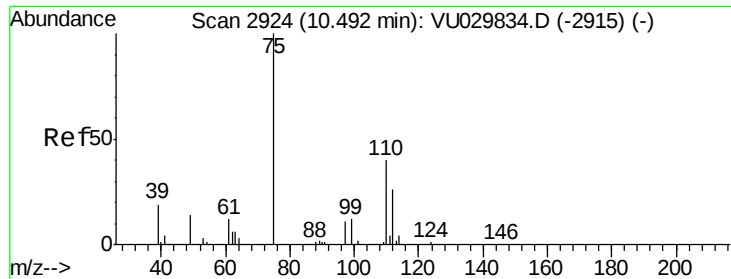
Ion Ratio Lower Upper

83 100

131 10.4 8.3 12.5

85 65.6 52.5 78.7

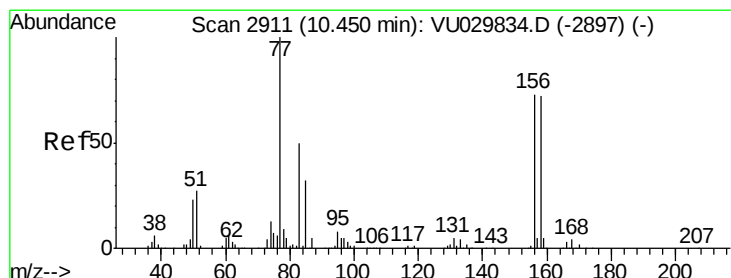
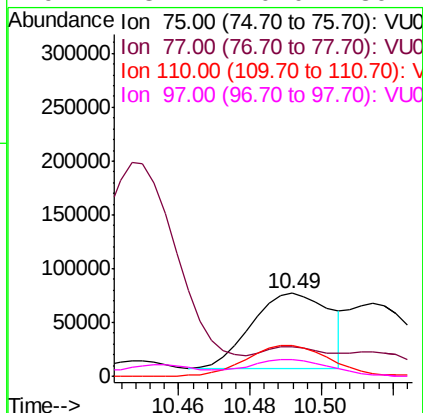
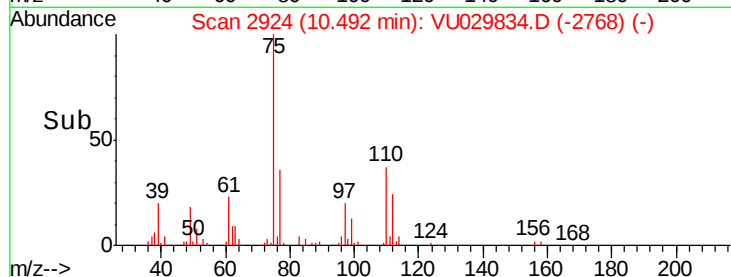
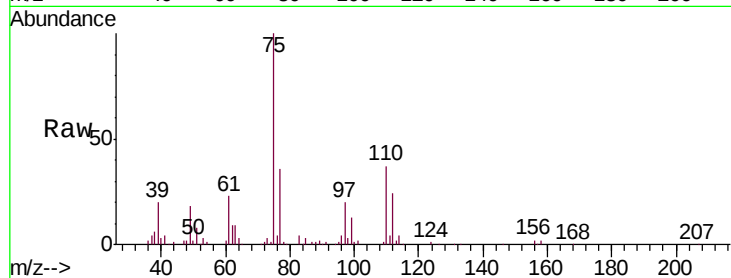




#71  
1,2,3-Trichloropropane  
Concen: 8.554 ug/l  
RT: 10.49 min Scan# 2924  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

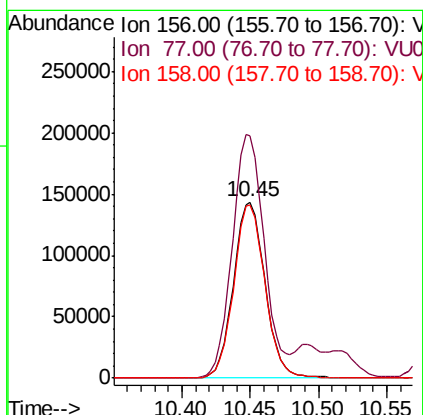
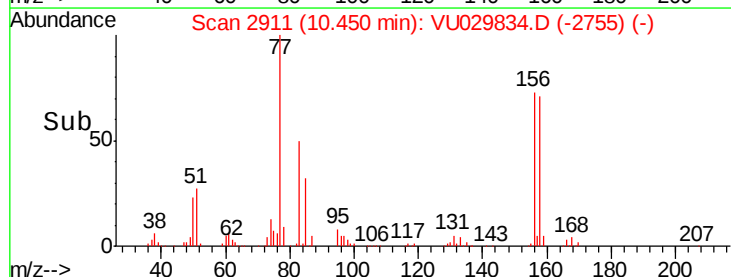
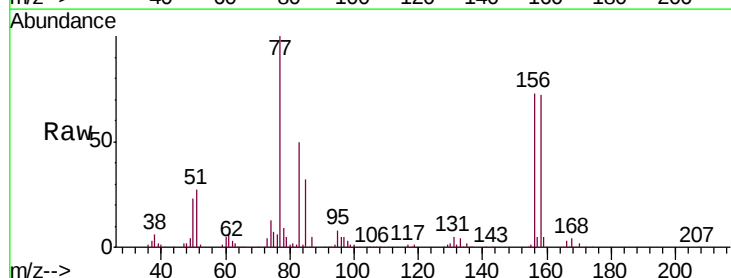
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

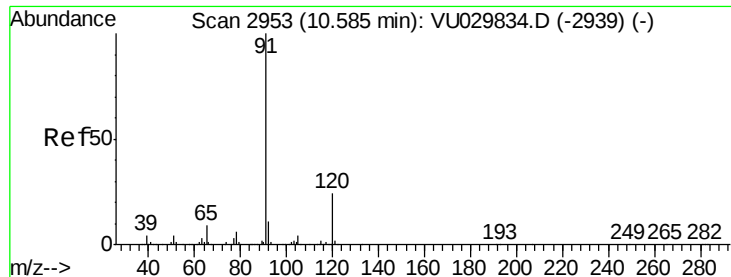
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 107029 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 9.6   | 0.0   | 16.4   |
| 110      | 43.9  | 0.0   | 74.8   |
| 97       | 23.1  | 0.0   | 39.4   |



#72  
Bromobenzene  
Concen: 10.277 ug/l  
RT: 10.45 min Scan# 2911  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 156   | Resp: | 230985 |
| Ion      | Ratio | Lower | Upper  |
| 156      | 100   |       |        |
| 77       | 141.1 | 0.0   | 282.2  |
| 158      | 98.1  | 0.0   | 196.2  |





#73

n-propylbenzene

Concen: 10.823 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

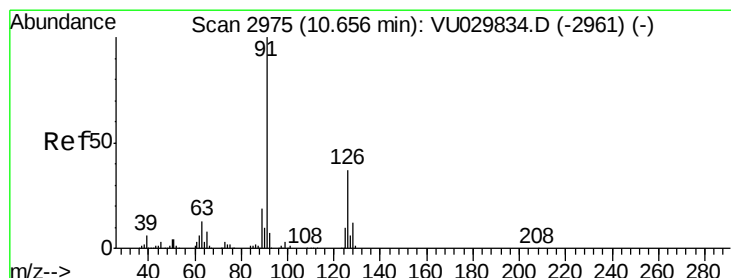
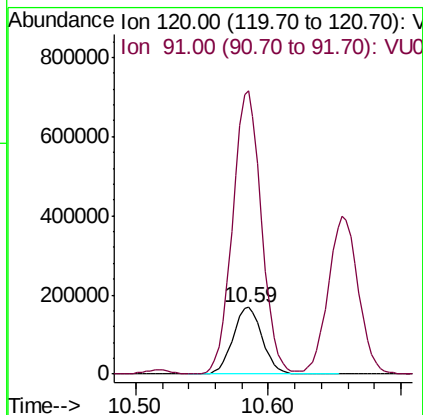
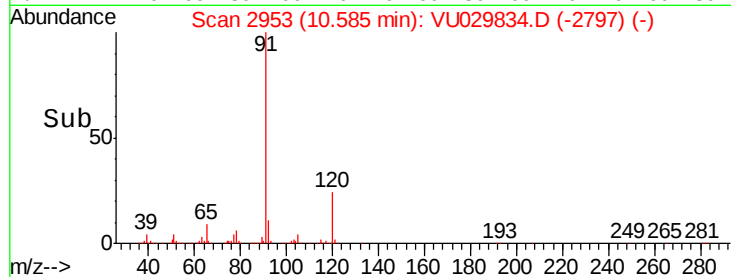
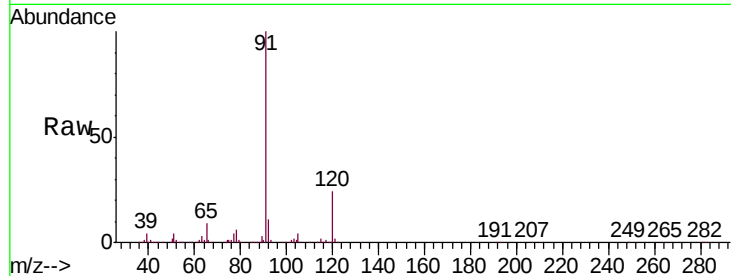
VSTDICCC010

Tgt Ion:120 Resp: 258362

Ion Ratio Lower Upper

120 100

91 416.8 333.4 500.2



#74

2-Chlorotoluene

Concen: 10.393 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU029834.D

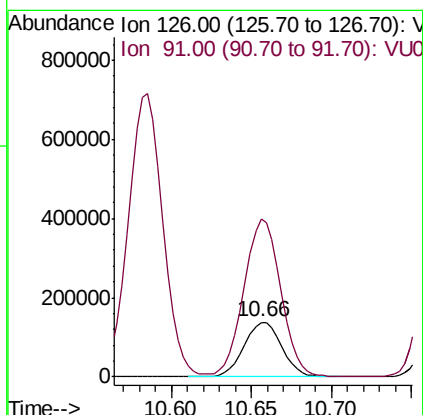
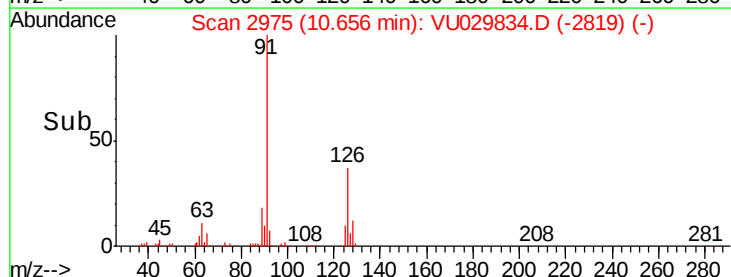
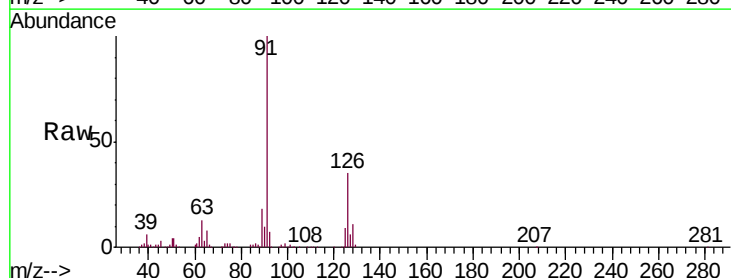
Acq: 06 Mar 2019 11:14

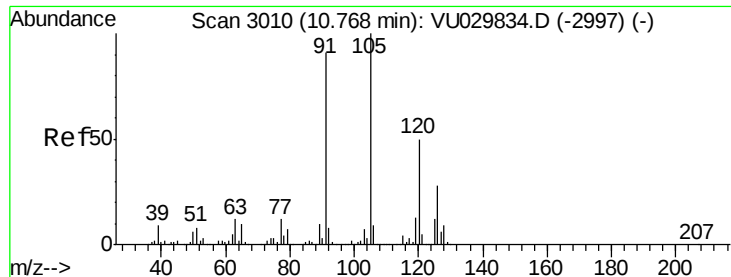
Tgt Ion:126 Resp: 220075

Ion Ratio Lower Upper

126 100

91 284.5 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 10.844 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

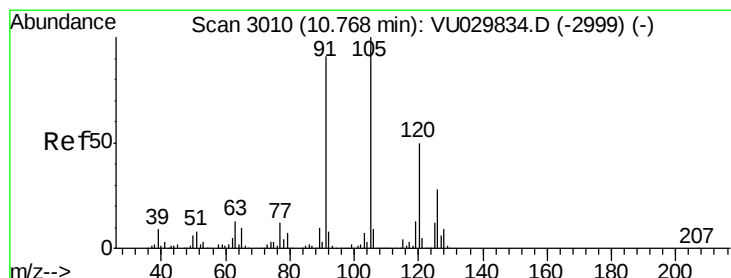
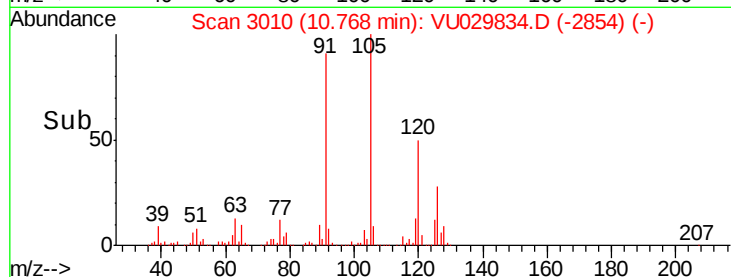
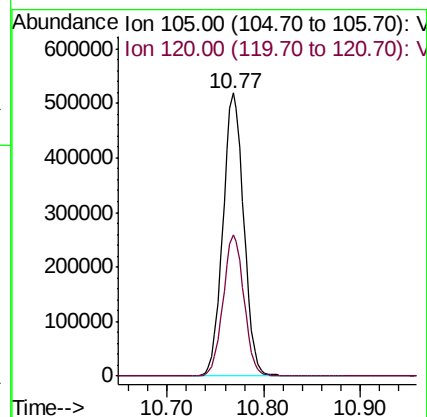
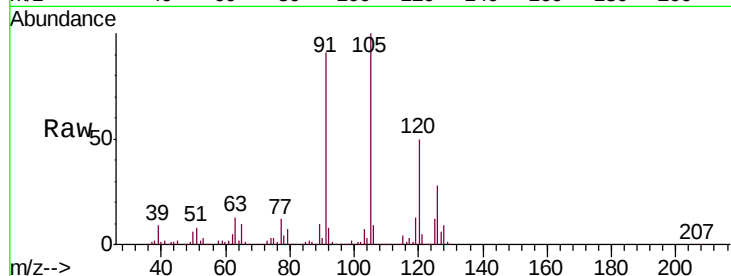
VSTDICCC010

Tgt Ion:105 Resp: 775703

Ion Ratio Lower Upper

105 100

120 50.0 40.0 60.0



#76

4-Chlorotoluene

Concen: 10.667 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029834.D

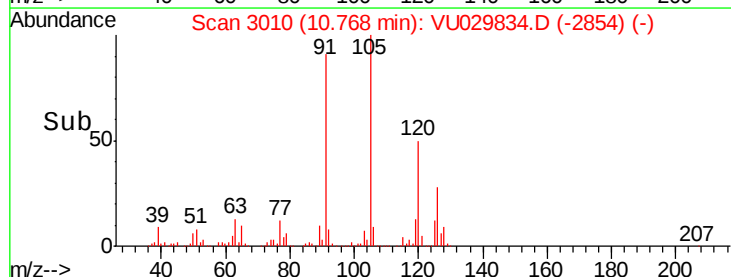
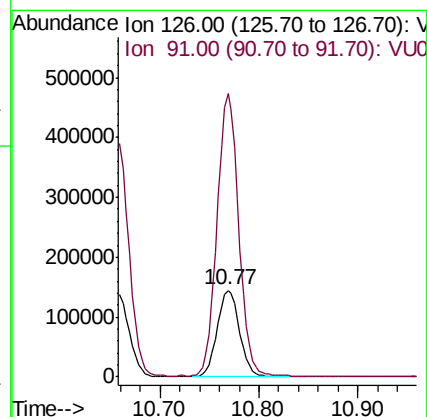
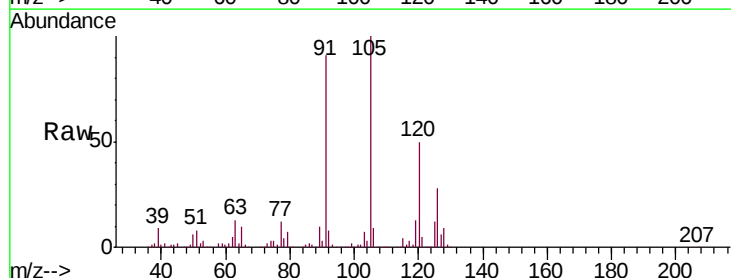
Acq: 06 Mar 2019 11:14

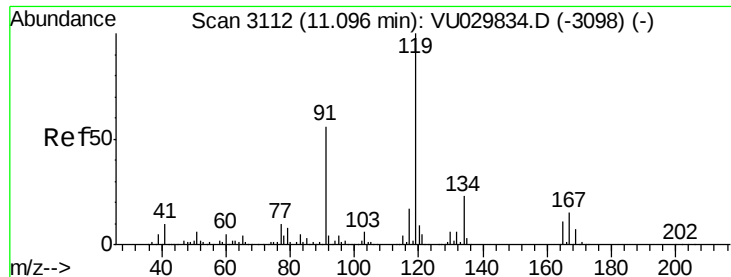
Tgt Ion:126 Resp: 230334

Ion Ratio Lower Upper

126 100

91 317.4 0.0 634.8

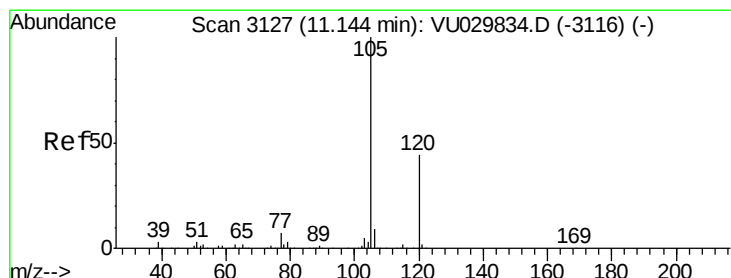
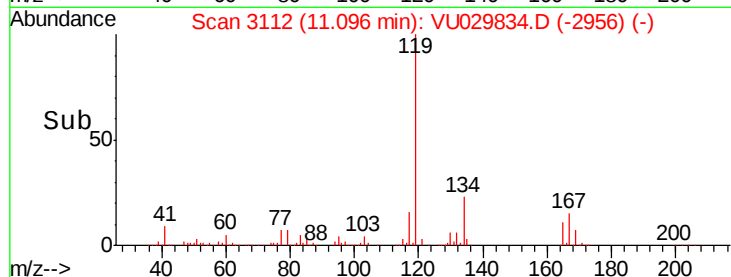
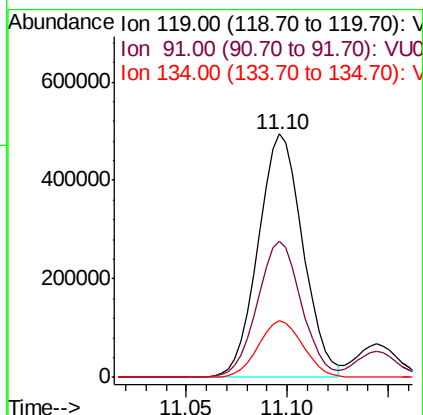
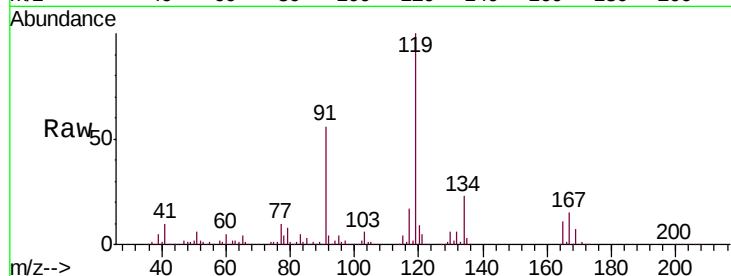




#77  
 tert-Butylbenzene  
 Concen: 10.776 ug/l  
 RT: 11.10 min Scan# 3112  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

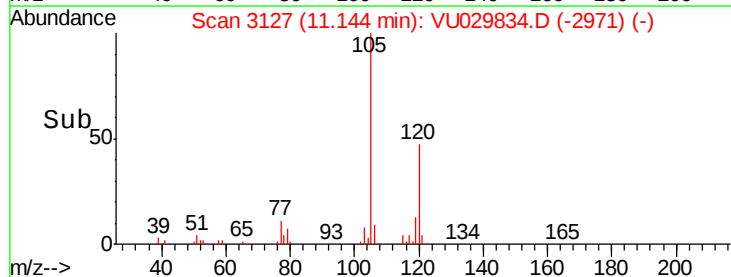
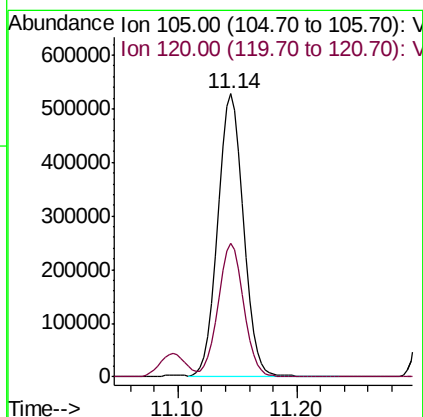
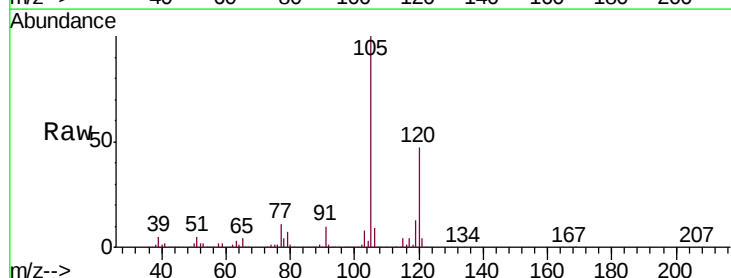
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

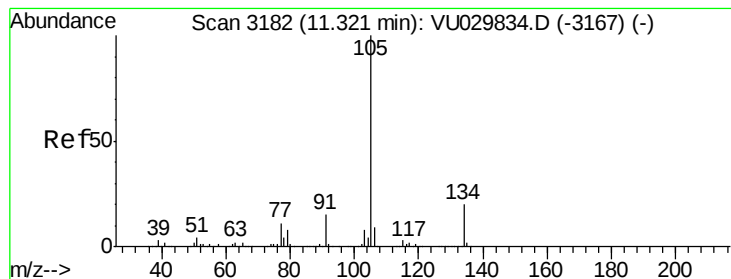
Tgt Ion:119 Resp: 762677  
 Ion Ratio Lower Upper  
 119 100  
 91 55.4 27.7 83.1  
 134 23.4 18.7 28.1



#78  
 1,2,4-Trimethylbenzene  
 Concen: 10.944 ug/l  
 RT: 11.14 min Scan# 3127  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Tgt Ion:105 Resp: 791042  
 Ion Ratio Lower Upper  
 105 100  
 120 47.0 23.5 70.5





#79

sec-Butylbenzene

Concen: 10.837 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

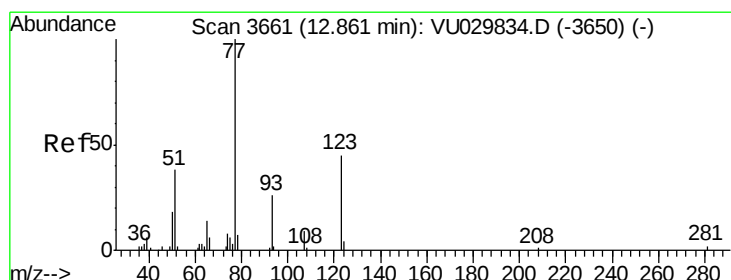
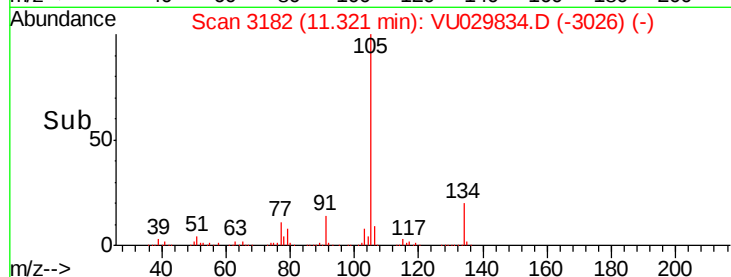
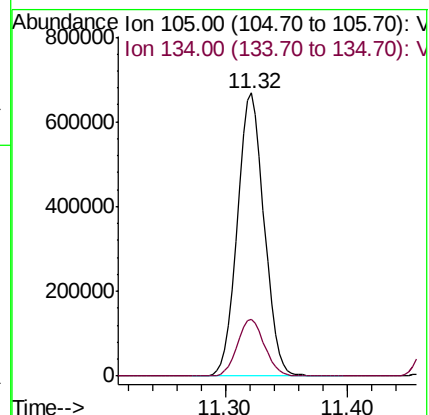
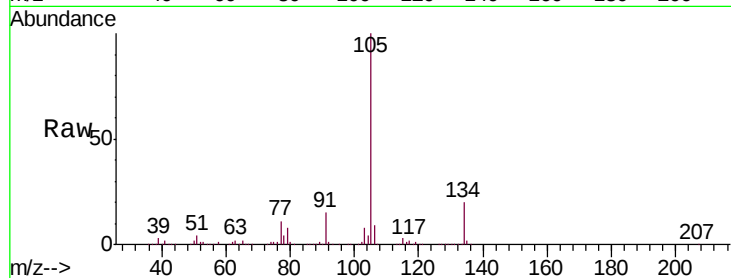
VSTDICCC010

Tgt Ion:105 Resp: 1016453

Ion Ratio Lower Upper

105 100

134 20.4 16.3 24.5



#80

Nitrobenzene

Concen: 55.017 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

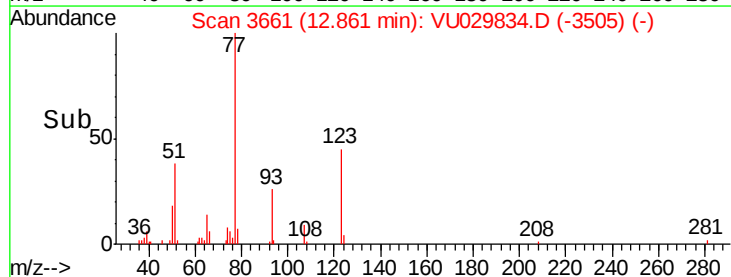
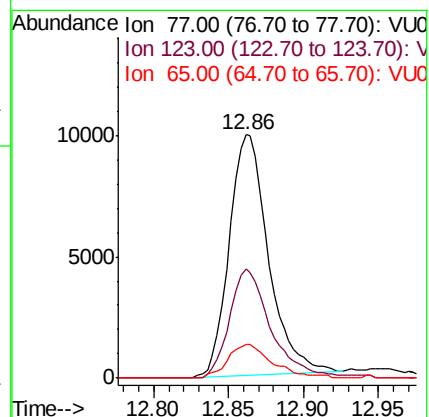
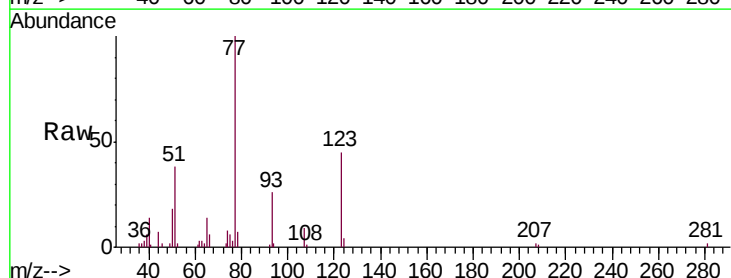
Tgt Ion: 77 Resp: 18142

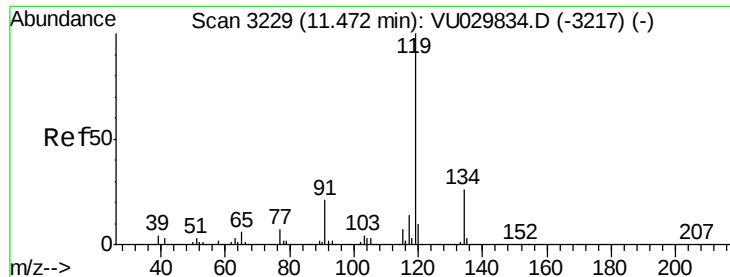
Ion Ratio Lower Upper

77 100

123 45.8 20.2 71.4

65 15.9 14.0 17.8

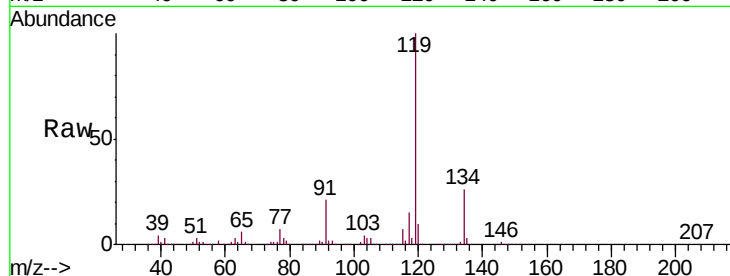




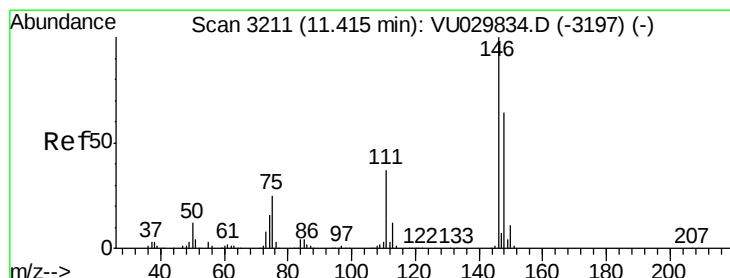
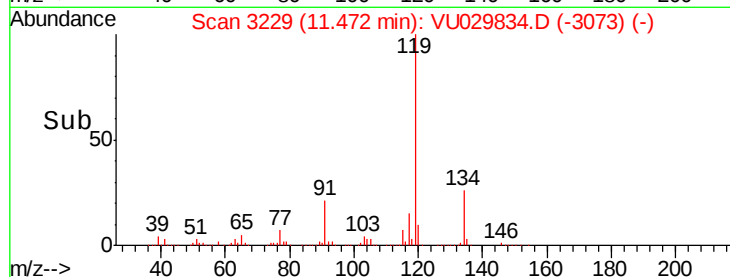
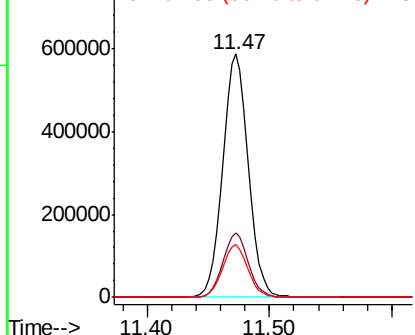
#81  
p-Isopropyltoluene  
Concen: 11.012 ug/l  
RT: 11.47 min Scan# 3229  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion:119 Resp: 864742  
Ion Ratio Lower Upper  
119 100  
134 26.5 21.2 31.8  
91 21.5 17.2 25.8

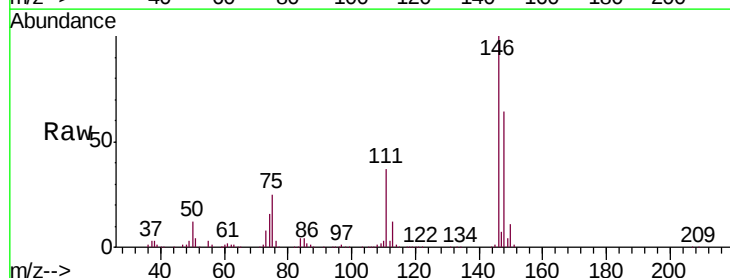


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V

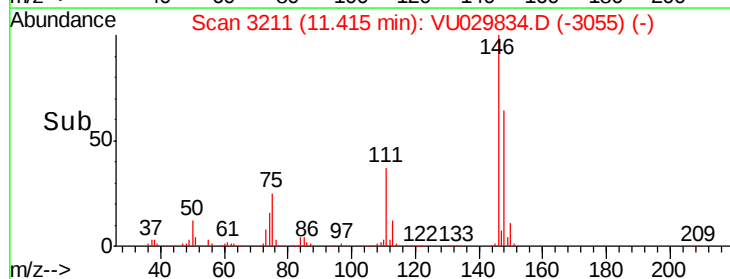
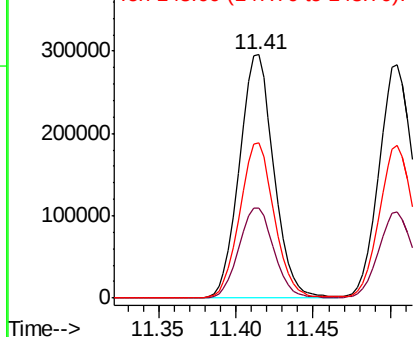


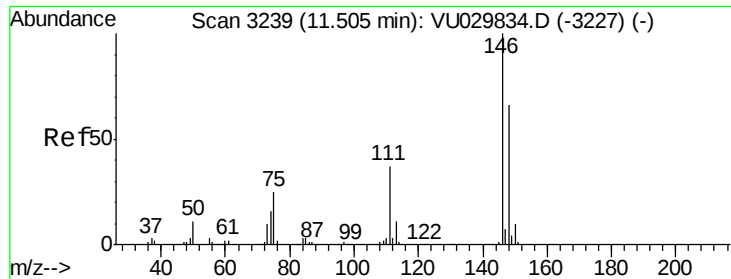
#82  
1,3-Dichlorobenzene  
Concen: 10.311 ug/l  
RT: 11.41 min Scan# 3211  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Tgt Ion:146 Resp: 458964  
Ion Ratio Lower Upper  
146 100  
111 37.8 30.2 45.4  
148 64.0 51.2 76.8



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

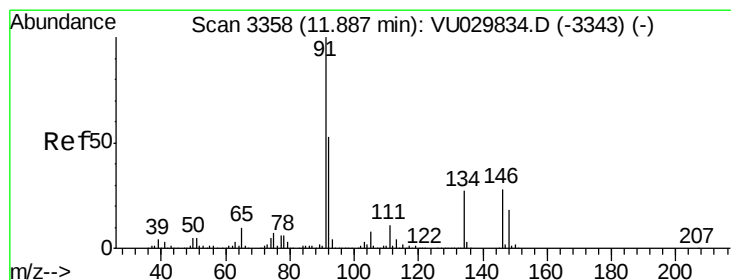
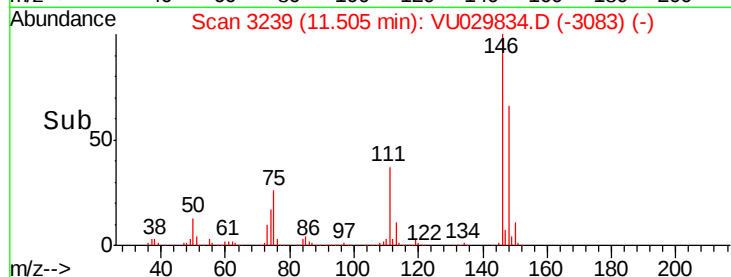
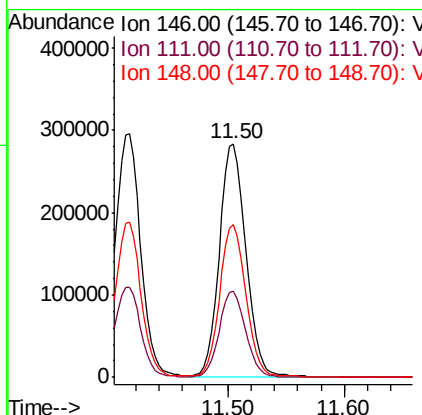
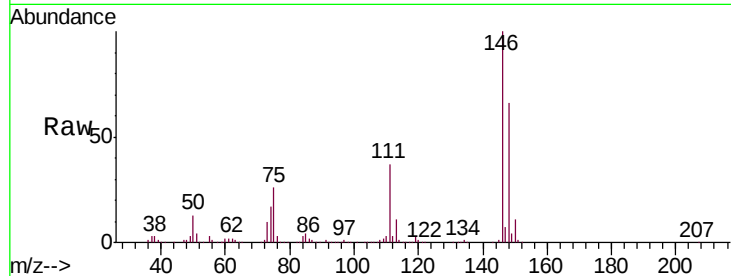




#83  
 1,4-Dichlorobenzene  
 Concen: 10.366 ug/l  
 RT: 11.50 min Scan# 3239  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

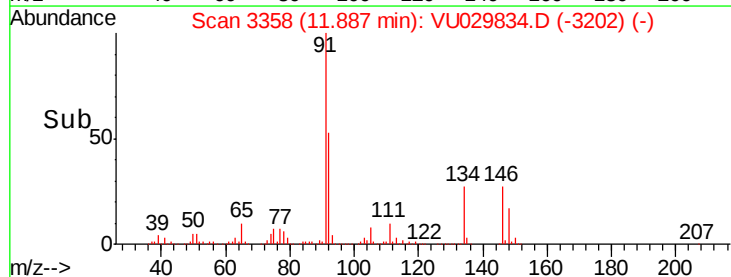
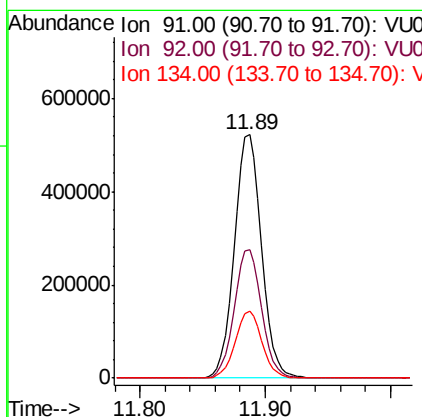
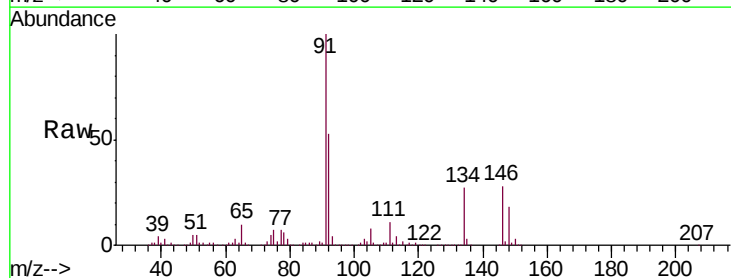
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

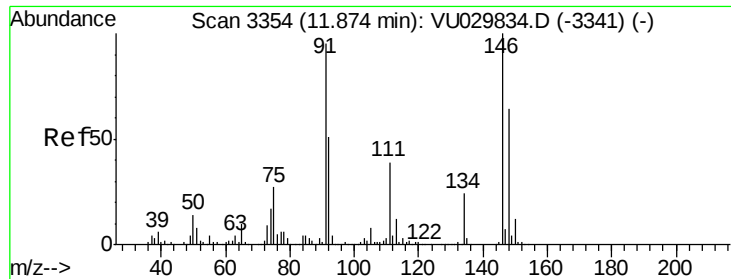
Tgt Ion: 146 Resp: 450850  
 Ion Ratio Lower Upper  
 146 100  
 111 36.8 29.4 44.2  
 148 64.6 51.7 77.5



#84  
 n-Butylbenzene  
 Concen: 10.942 ug/l  
 RT: 11.89 min Scan# 3358  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Tgt Ion: 91 Resp: 782852  
 Ion Ratio Lower Upper  
 91 100  
 92 53.2 42.6 63.8  
 134 27.1 21.7 32.5

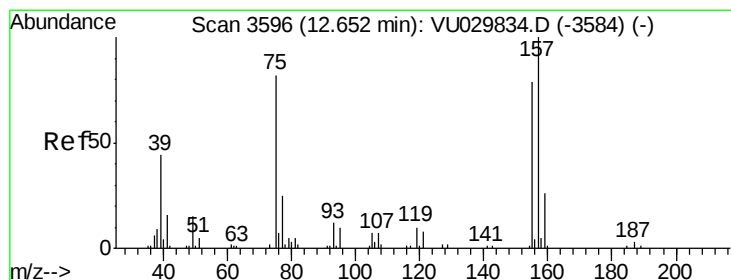
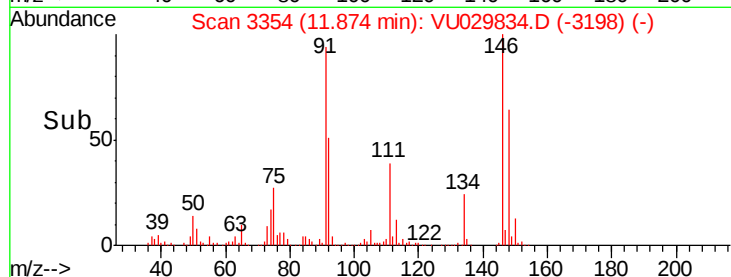
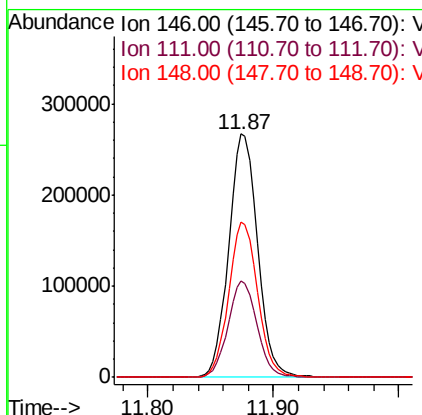
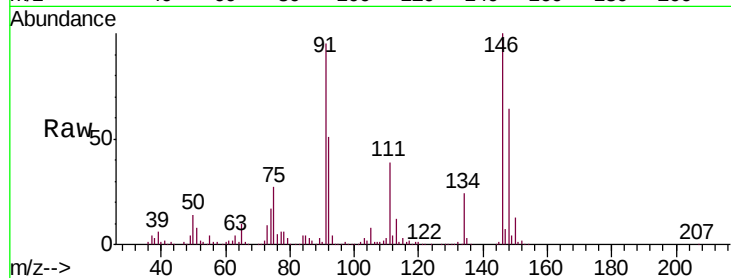




#85  
 1,2-Dichlorobenzene  
 Concen: 10.165 ug/l  
 RT: 11.87 min Scan# 3354  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

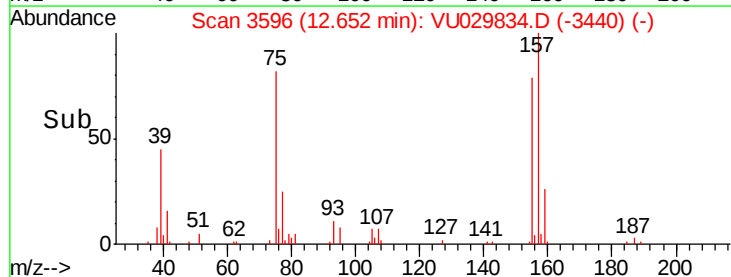
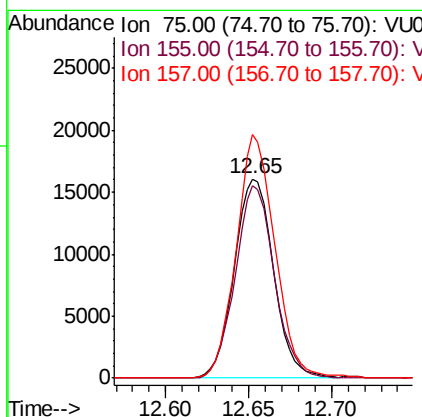
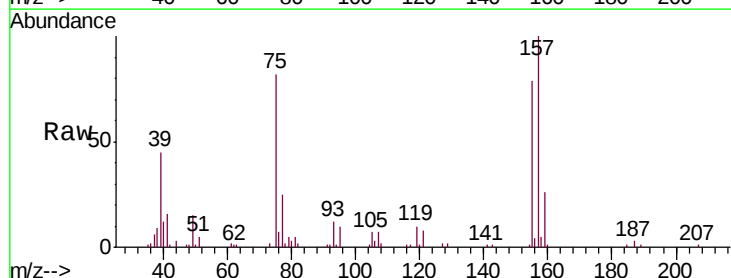
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

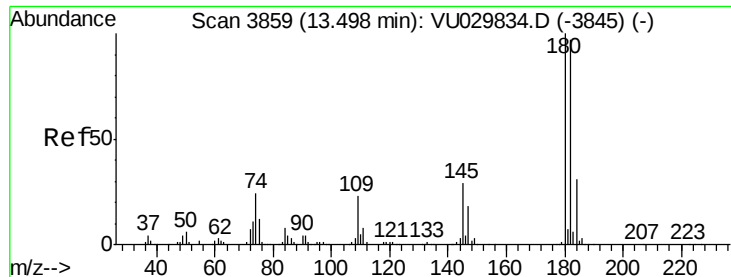
Tgt Ion: 146 Resp: 426639  
 Ion Ratio Lower Upper  
 146 100  
 111 39.7 19.9 59.6  
 148 64.2 32.1 96.3



#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 10.773 ug/l  
 RT: 12.65 min Scan# 3596  
 Delta R.T. 0.00 min  
 Lab File: VU029834.D  
 Acq: 06 Mar 2019 11:14

Tgt Ion: 75 Resp: 26573  
 Ion Ratio Lower Upper  
 75 100  
 155 95.7 76.6 114.8  
 157 120.2 96.2 144.2





#87

1,2,4-Trichlorobenzene

Concen: 10.957 ug/l

RT: 13.50 min Scan# 3859

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

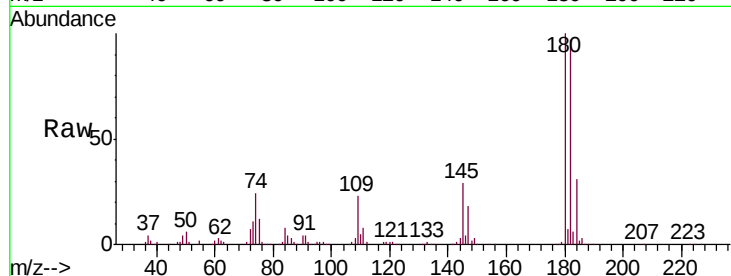
Tgt Ion:180 Resp: 294521

Ion Ratio Lower Upper

180 100

182 96.9 77.5 116.3

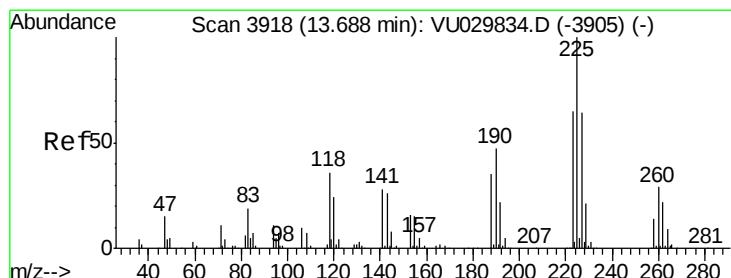
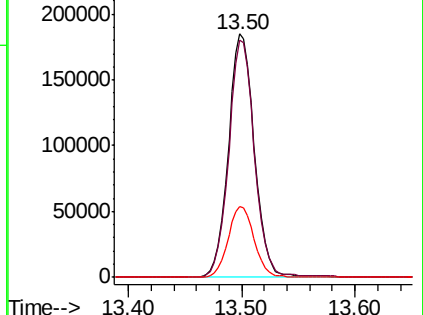
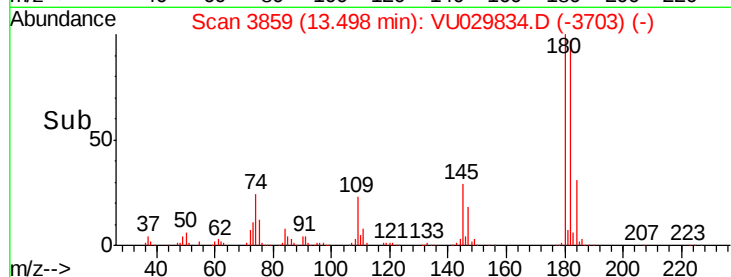
145 29.5 23.6 35.4



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: 10.180 ug/l

RT: 13.69 min Scan# 3918

Delta R.T. 0.00 min

Lab File: VU029834.D

Acq: 06 Mar 2019 11:14

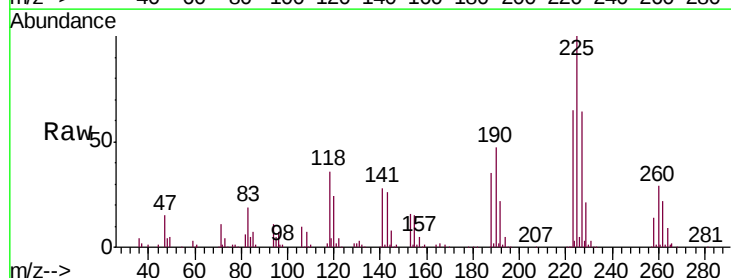
Tgt Ion:225 Resp: 172360

Ion Ratio Lower Upper

225 100

223 64.0 51.2 76.8

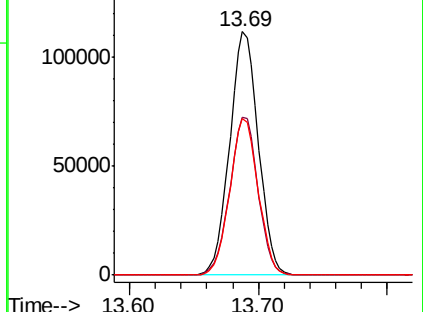
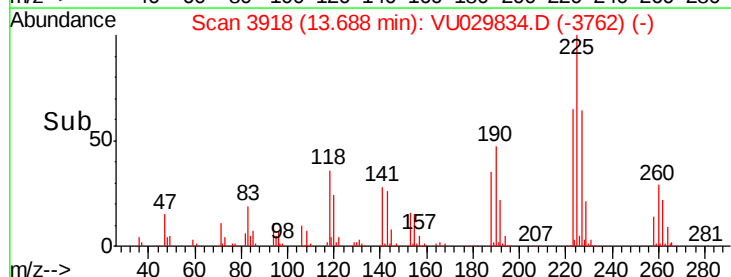
227 63.6 50.9 76.3

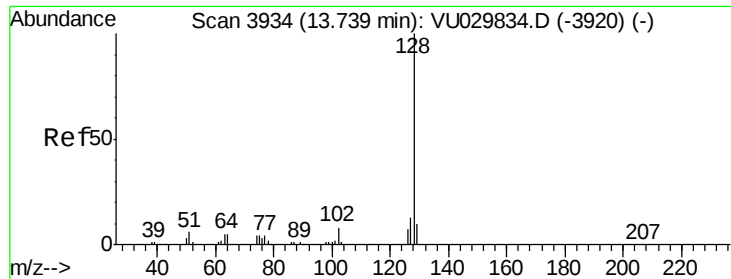


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V

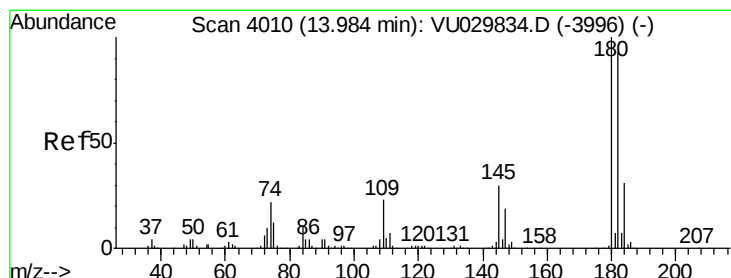
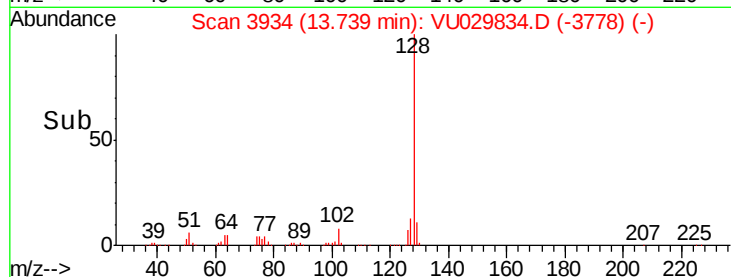
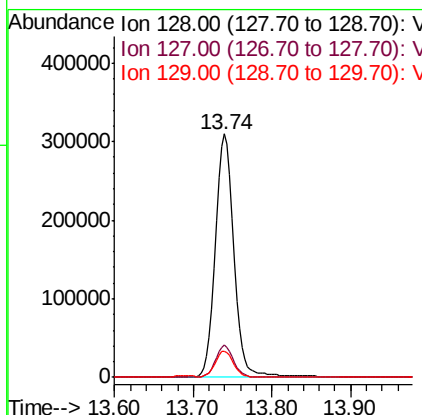
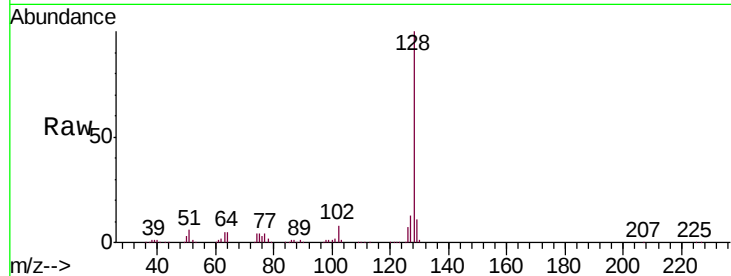




#89  
Naphthalene  
Concen: 11.772 ug/l  
RT: 13.74 min Scan# 3934  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion:128 Resp: 505773  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.4  
129 10.3 8.2 12.4



#90  
1,2,3-Trichlorobenzene  
Concen: 10.953 ug/l  
RT: 13.98 min Scan# 4010  
Delta R.T. 0.00 min  
Lab File: VU029834.D  
Acq: 06 Mar 2019 11:14

Tgt Ion:180 Resp: 276593  
Ion Ratio Lower Upper  
180 100  
182 93.5 74.8 112.2  
145 30.7 24.6 36.8

