

Data File : VU028456.D  
Acq On : 04 Dec 2018 10:15  
Operator : MD/SY  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05060

Quant Time: Dec 05 03:09:16 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM113018WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 30 23:11:27 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 406069   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 390159   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 188292   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 180639   | 49.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 99.44%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 150515   | 53.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 107.92% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 321361   | 49.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 99.48%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 327421   | 109.81   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 109.81% |
| 24) Chloroform-d               | 4.65    | 84    | 322507   | 55.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.06% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 212204   | 53.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.34% |
| 32) Benzene-d6                 | 5.34    | 84    | 648348   | 53.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.76% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 234758   | 53.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 107.14% |
| 41) Toluene-d8                 | 7.56    | 98    | 574266   | 52.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.34% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 105622   | 53.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 106.76% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 231708   | 109.46   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 109.46% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 306524   | 54.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 109.42% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 207047   | 54.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 109.36% |

#### Target Compounds

|                                |      |     |        |        |      | Qvalue |
|--------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 155501 | 42.828 | ug/L | 100    |
| 3) Chloromethane               | 1.33 | 50  | 221253 | 42.174 | ug/L | 98     |
| 5) Vinyl chloride              | 1.41 | 62  | 186524 | 41.570 | ug/L | 98     |
| 6) Bromomethane                | 1.63 | 94  | 60332  | 47.769 | ug/L | 99     |
| 8) Chloroethane                | 1.70 | 64  | 109369 | 43.418 | ug/L | 98     |
| 9) Trichlorofluoromethane      | 1.89 | 101 | 197105 | 43.133 | ug/L | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 121491 | 45.800 | ug/L | 98     |
| 12) 1,1-Dichloroethene         | 2.29 | 96  | 114334 | 44.618 | ug/L | 93     |
| 13) Acetone                    | 2.32 | 43  | 276524 | 89.150 | ug/L | 100    |
| 14) Carbon disulfide           | 2.48 | 76  | 412266 | 42.495 | ug/L | 100    |
| 15) Methyl Acetate             | 2.61 | 43  | 189114 | 41.211 | ug/L | 98     |
| 16) Methylene chloride         | 2.70 | 84  | 144322 | 43.507 | ug/L | 100    |
| 17) trans-1,2-Dichloroethene   | 2.98 | 96  | 127534 | 43.916 | ug/L | 99     |
| 18) Methyl tert-butyl Ether    | 3.00 | 73  | 432859 | 42.893 | ug/L | 100    |
| 19) 1,1-Dichloroethane         | 3.44 | 63  | 270369 | 43.099 | ug/L | 98     |
| 20) cis-1,2-Dichloroethene     | 4.22 | 96  | 145746 | 43.636 | ug/L | 94     |
| 22) 2-Butanone                 | 4.26 | 43  | 322719 | 83.112 | ug/L | 97     |

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Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05060

Quant Time: Dec 05 03:09:16 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM113018WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 30 23:11:27 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane         | 4.55  | 128  | 64419    | 44.087 | ug/L  | 96       |
| 25) Chloroform                 | 4.67  | 83   | 251421   | 43.773 | ug/L  | 98       |
| 27) 1,2-Dichloroethane         | 5.40  | 62   | 206227   | 43.372 | ug/L  | 99       |
| 29) Cyclohexane                | 5.00  | 56   | 264156   | 41.718 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane      | 4.92  | 97   | 196522   | 42.554 | ug/L  | 99       |
| 31) Carbon tetrachloride       | 5.13  | 117  | 160610   | 43.178 | ug/L  | 97       |
| 33) Benzene                    | 5.39  | 78   | 581048   | 43.355 | ug/L  | 100      |
| 34) Trichloroethene            | 6.18  | 95   | 138233   | 43.136 | ug/L  | 99       |
| 35) Methylcyclohexane          | 6.41  | 83   | 240754   | 43.158 | ug/L  | 99       |
| 37) 1,2-Dichloropropane        | 6.43  | 63   | 170182   | 42.826 | ug/L  | 100      |
| 38) Bromodichloromethane       | 6.76  | 83   | 189810   | 43.047 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene    | 7.27  | 75   | 241252   | 42.758 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone       | 7.46  | 43   | 508959   | 80.987 | ug/L  | 99       |
| 42) Toluene                    | 7.64  | 91   | 589857   | 43.246 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene  | 7.88  | 75   | 224219   | 43.369 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane      | 8.07  | 97   | 134218   | 43.433 | ug/L  | 98       |
| 46) Tetrachloroethene          | 8.23  | 164  | 99796    | 44.284 | ug/L  | 98       |
| 48) 2-Hexanone                 | 8.36  | 43   | 437133   | 82.790 | ug/L  | 100      |
| 49) Dibromochloromethane       | 8.48  | 129  | 136467   | 43.172 | ug/L  | 93       |
| 50) 1,2-Dibromoethane          | 8.58  | 107  | 140581   | 42.323 | ug/L  | 99       |
| 51) Chlorobenzene              | 9.12  | 112  | 348972   | 42.891 | ug/L  | 98       |
| 52) Ethylbenzene               | 9.25  | 91   | 646096   | 42.882 | ug/L  | 99       |
| 53) m,p-Xylene                 | 9.37  | 106  | 231056   | 42.997 | ug/L  | 98       |
| 54) o-xylene                   | 9.78  | 106  | 227717   | 42.783 | ug/L  | 100      |
| 55) Styrene                    | 9.79  | 104  | 399092   | 43.764 | ug/L  | 97       |
| 56) Isopropylbenzene           | 10.17 | 105  | 602392   | 42.901 | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 247099   | 42.866 | ug/L  | 97       |
| 59) 1,2,3-Trichloropropane     | 10.49 | 75   | 189007   | 41.902 | ug/L  | 100      |
| 61) Bromoform                  | 9.96  | 173  | 97868    | 42.255 | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene        | 11.41 | 146  | 264366   | 43.078 | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.51 | 146  | 265285   | 42.926 | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 263387   | 43.239 | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75   | 49420    | 40.273 | ug/L  | 100      |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 200744   | 44.465 | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.50 | 180  | 179006   | 42.573 | ug/L  | 100      |
| 69) Naphthalene                | 13.74 | 128  | 607068   | 41.406 | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 183309   | 43.280 | ug/L  | 98       |

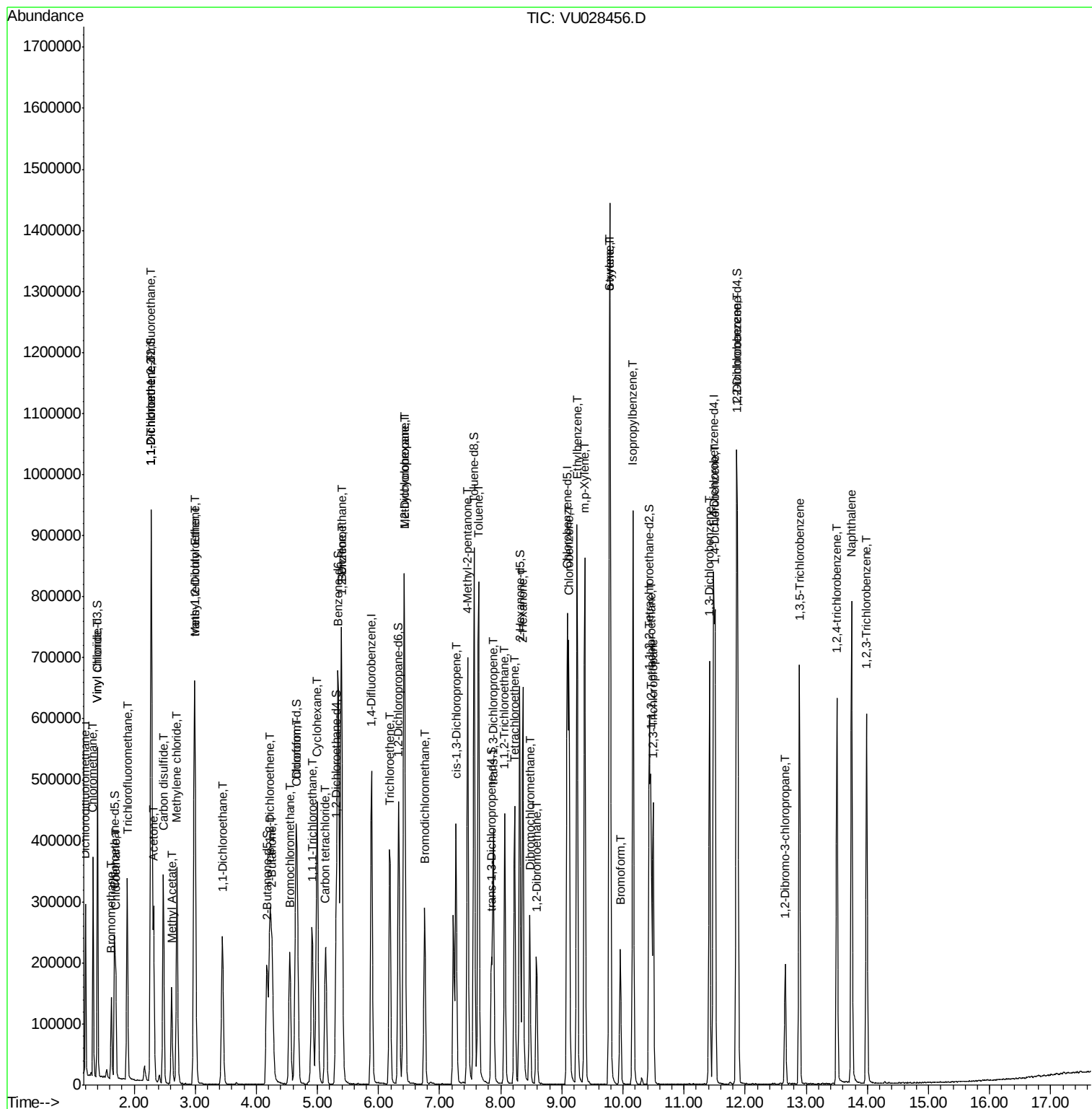
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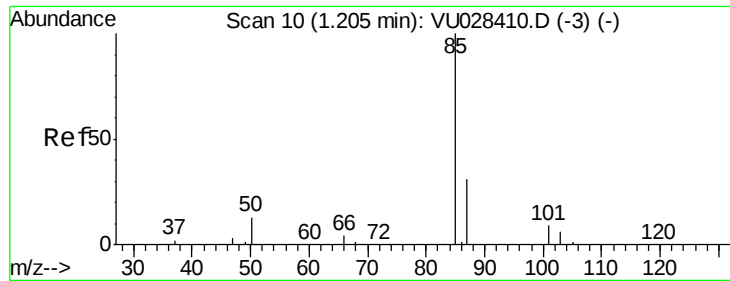
Data File : VU028456.D

```
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Operator     : MD/SY
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Misc        : 5.0mL/MSVOA_U/WATER
ALS Vial     : 2      Sample Multiplier: 1
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**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VSTD05060

Quant Time: Dec 05 03:09:16 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM113018WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 30 23:11:27 2018  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 42.828 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

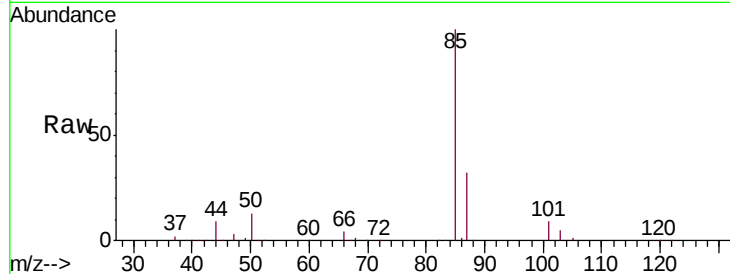
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05060

Tgt Ion: 85 Resp: 155501

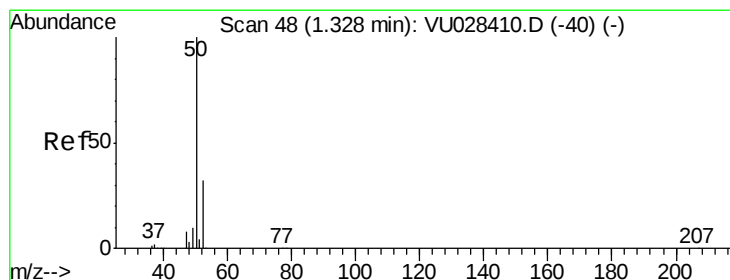
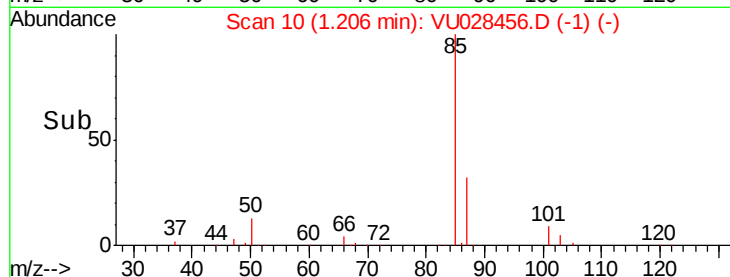
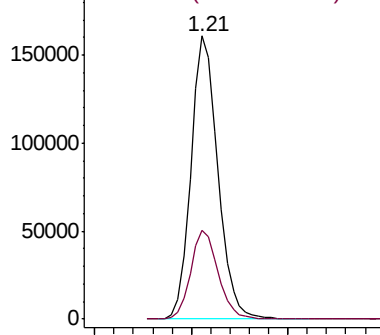
Ion Ratio Lower Upper

85 100

87 31.7 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 42.174 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028456.D

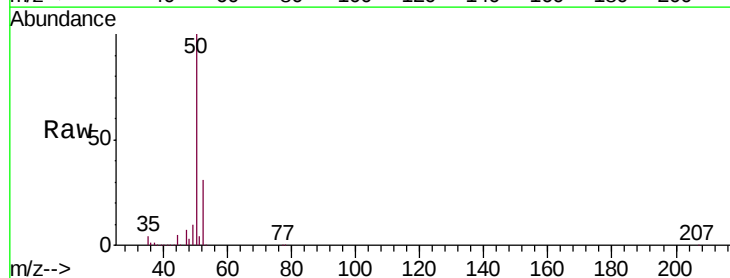
Acq: 04 Dec 2018 10:15

Tgt Ion: 50 Resp: 221253

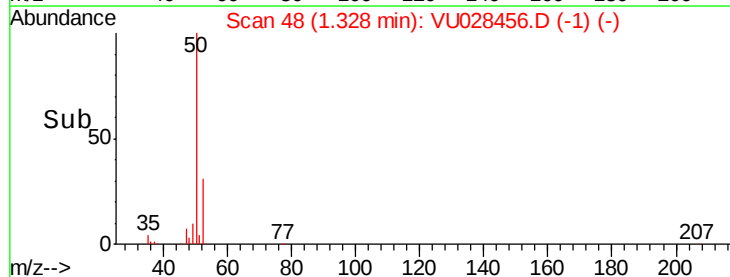
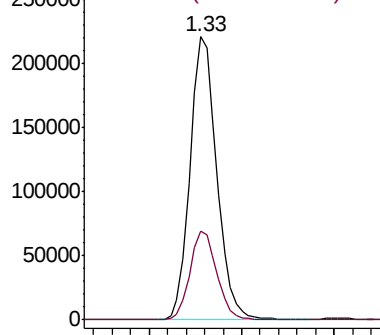
Ion Ratio Lower Upper

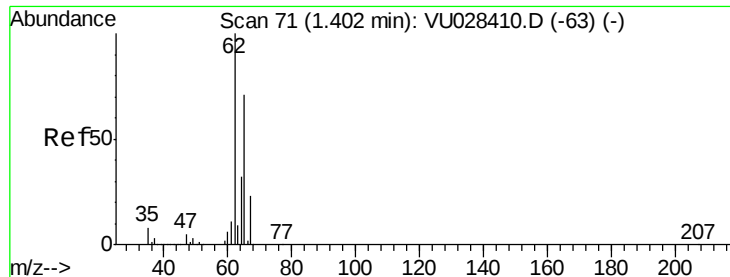
50 100

52 31.4 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 41.570 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

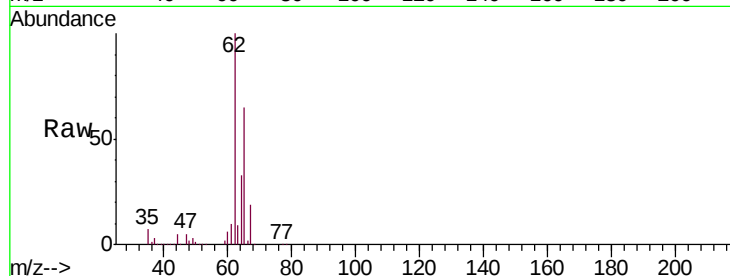
VSTD05060

Tgt Ion: 62 Resp: 186524

Ion Ratio Lower Upper

62 100

64 33.2 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.41

200000

150000

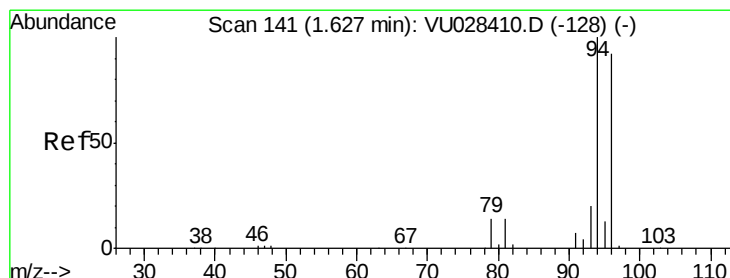
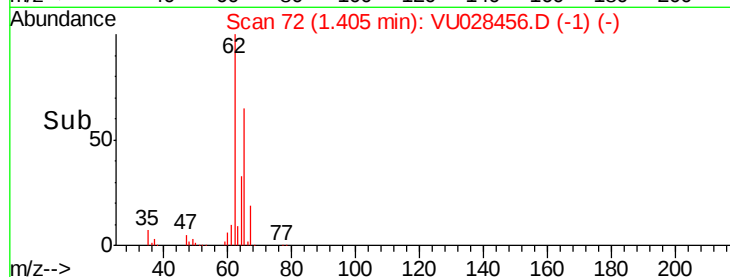
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 47.769 ug/L

RT: 1.63 min Scan# 141

Delta R.T. 0.00 min

Lab File: VU028456.D

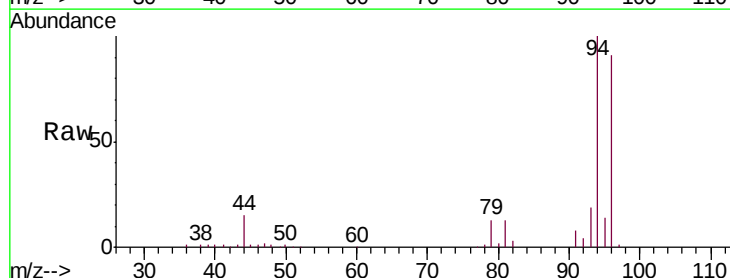
Acq: 04 Dec 2018 10:15

Tgt Ion: 94 Resp: 60332

Ion Ratio Lower Upper

94 100

96 91.4 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

50000

40000

30000

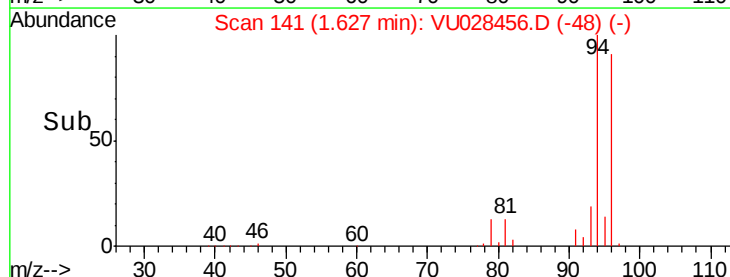
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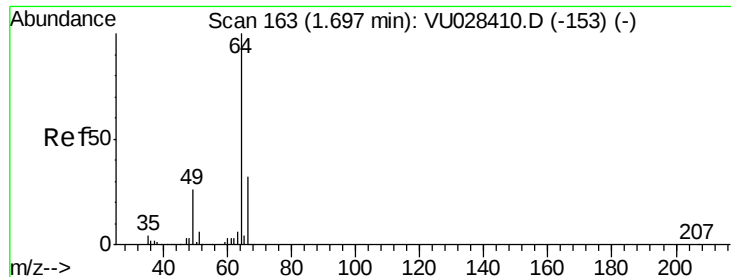
10000

0

1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 43.418 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

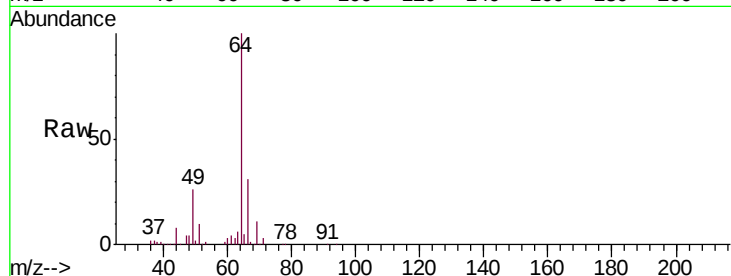
VSTD05060

Tgt Ion: 64 Resp: 109369

Ion Ratio Lower Upper

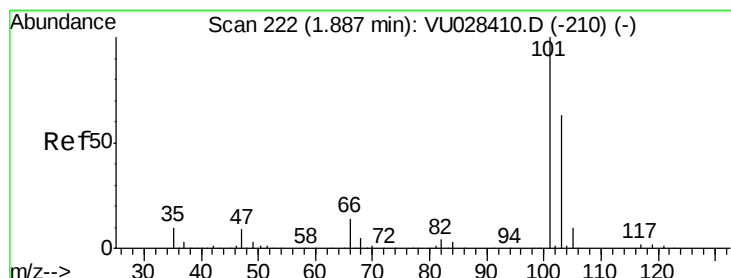
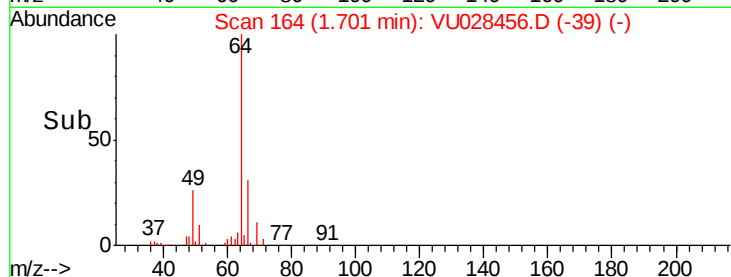
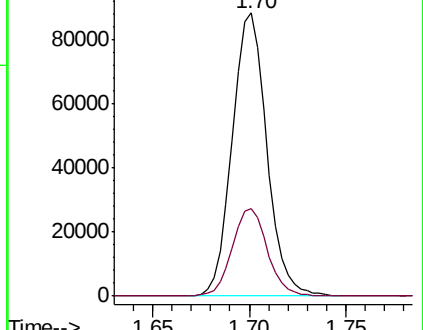
64 100

66 31.1 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU028410.D (-153) (-)

Ion 66.00 (65.70 to 66.70): VU028410.D (-153) (-)



#9

Trichlorofluoromethane

Concen: 43.133 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU028456.D

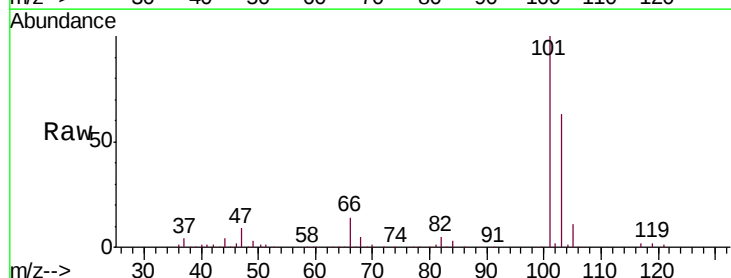
Acq: 04 Dec 2018 10:15

Tgt Ion: 101 Resp: 197105

Ion Ratio Lower Upper

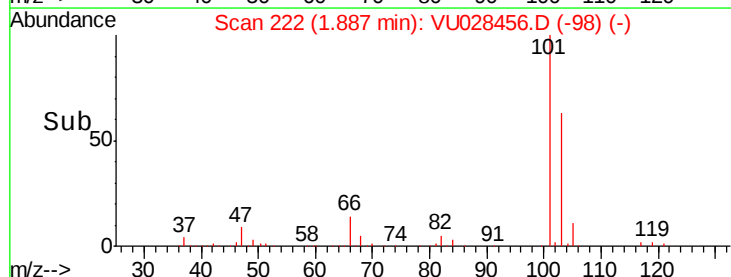
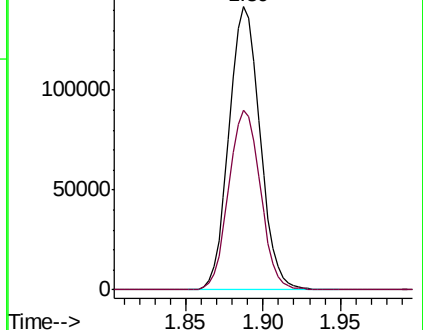
101 100

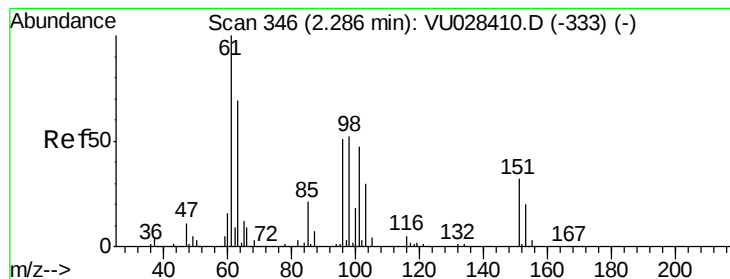
103 64.9 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU028410.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VU028410.D (-210) (-)





#10

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

Concen: 45.800 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05060

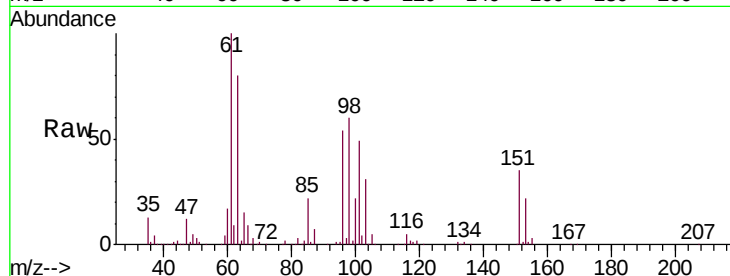
Tgt Ion: 101 Resp: 121491

Ion Ratio Lower Upper

101 100

85 44.9 36.5 54.7

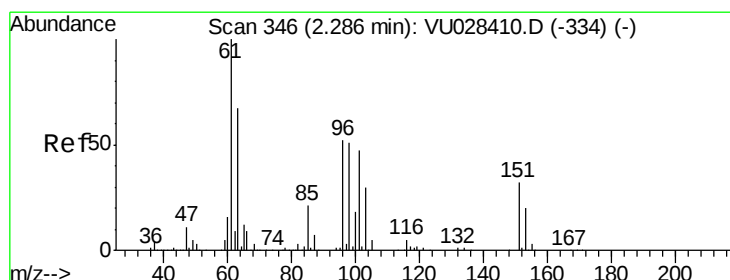
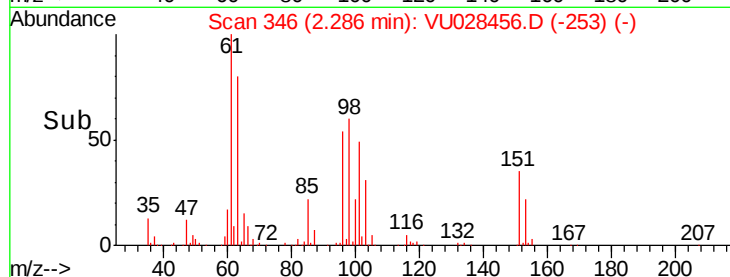
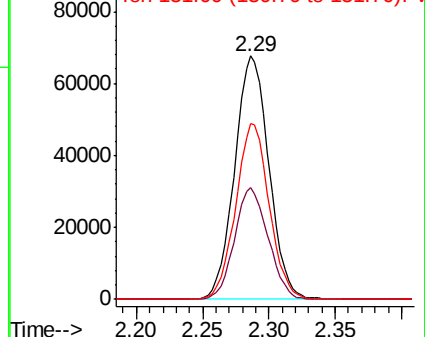
151 70.4 55.0 82.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 44.618 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

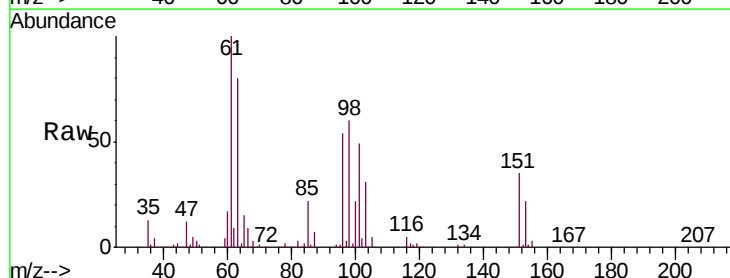
Tgt Ion: 96 Resp: 114334

Ion Ratio Lower Upper

96 100

61 186.6 136.2 252.9

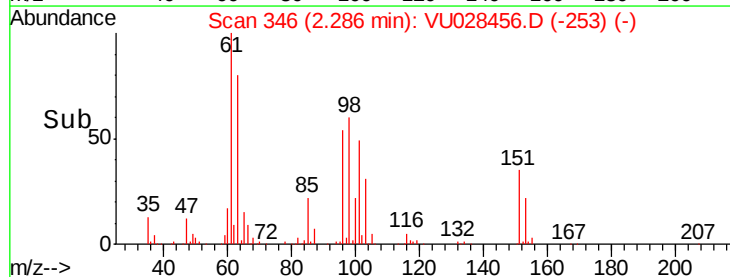
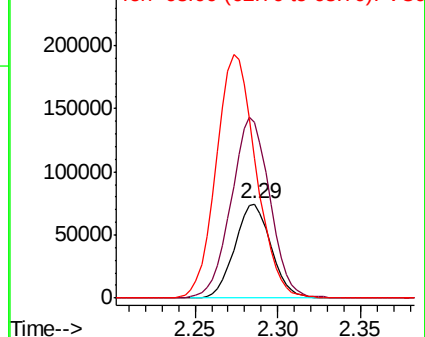
63 149.0 95.5 177.4

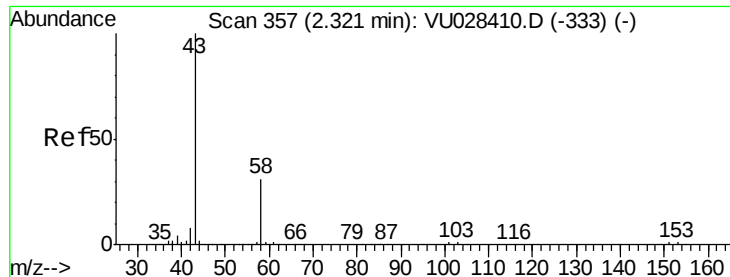


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.150 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

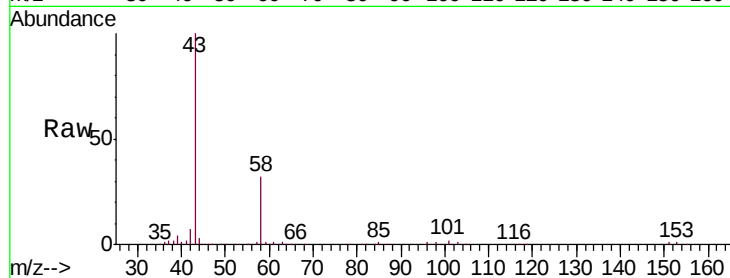
VSTD05060

Tgt Ion: 43 Resp: 276524

Ion Ratio Lower Upper

43 100

58 31.3 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU028410.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VU028410.D (-333) (-)

200000

150000

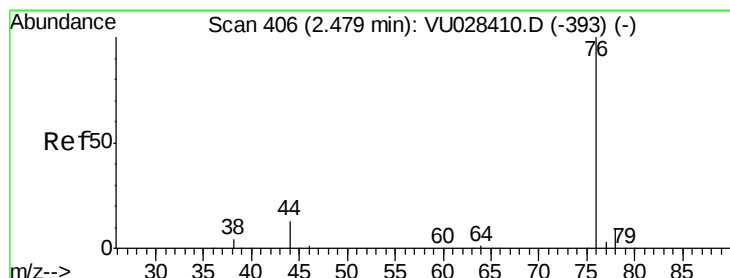
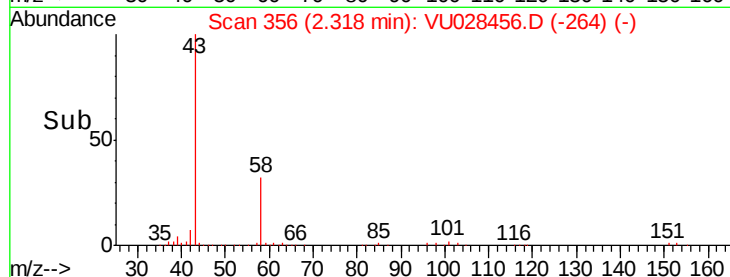
100000

50000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 42.495 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028456.D

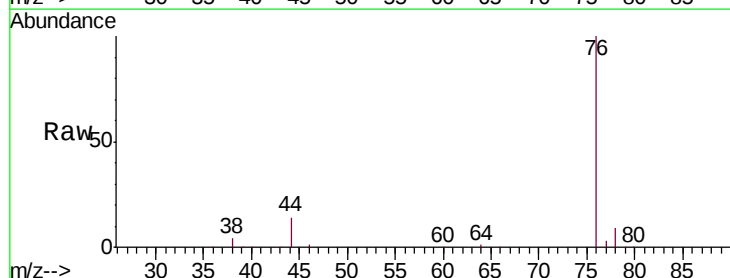
Acq: 04 Dec 2018 10:15

Tgt Ion: 76 Resp: 412266

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU028410.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VU028410.D (-393) (-)

300000

250000

200000

150000

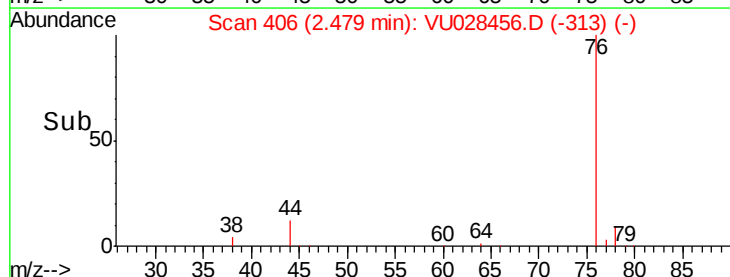
100000

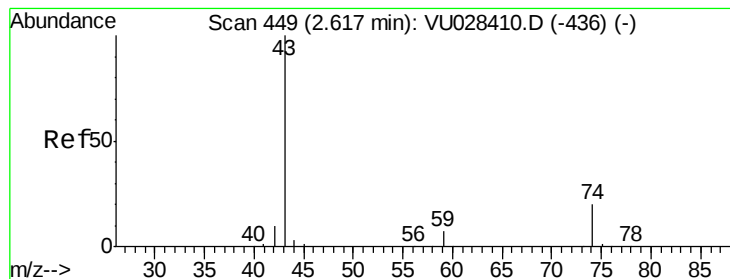
50000

0

Time-->

2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 41.211 ug/L

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

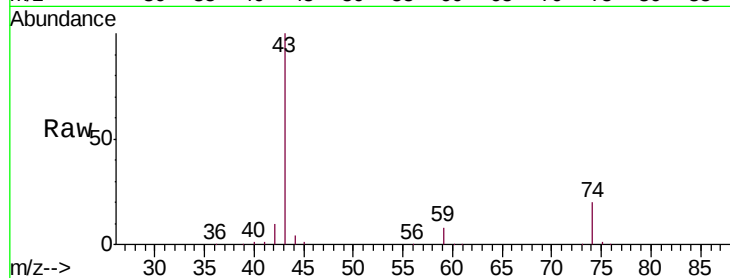
VSTD05060

Tgt Ion: 43 Resp: 189114

Ion Ratio Lower Upper

43 100

74 19.5 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VU028410.D (-436) (-)

Ion 74.00 (73.70 to 74.70): VU028410.D (-436) (-)

2.61

120000

100000

80000

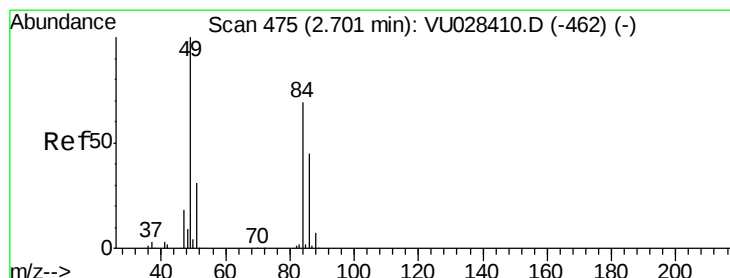
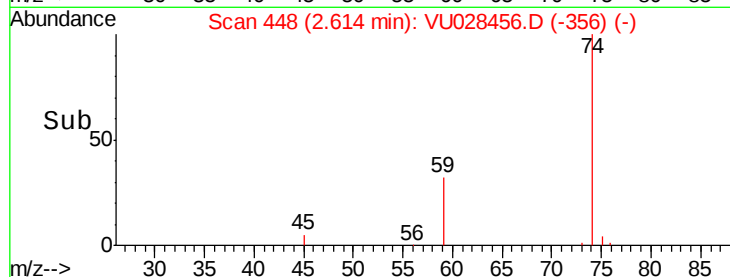
60000

40000

20000

0

Time-->



#16

Methylene chloride

Concen: 43.507 ug/L

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

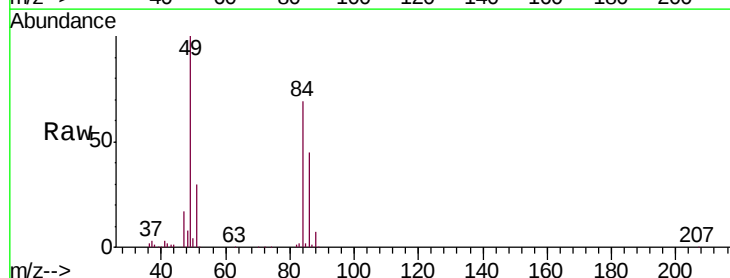
Tgt Ion: 84 Resp: 144322

Ion Ratio Lower Upper

84 100

86 65.3 45.6 84.8

49 144.2 101.3 188.1



Abundance Ion 84.00 (83.70 to 84.70): VU028410.D (-462) (-)

Ion 86.00 (85.70 to 86.70): VU028410.D (-462) (-)

Ion 49.00 (48.70 to 49.70): VU028410.D (-462) (-)

2.70

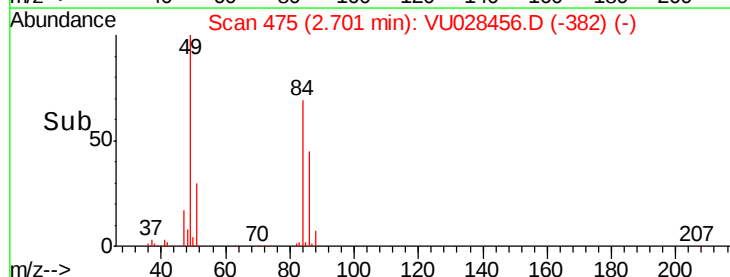
150000

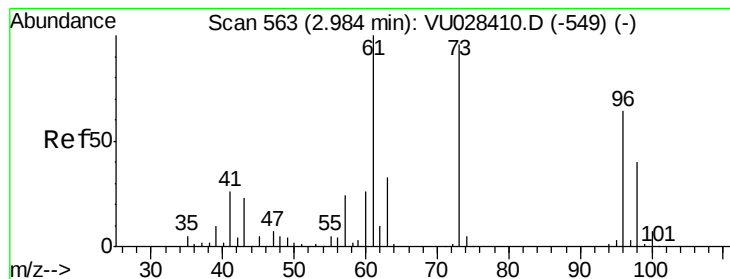
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 43.916 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05060

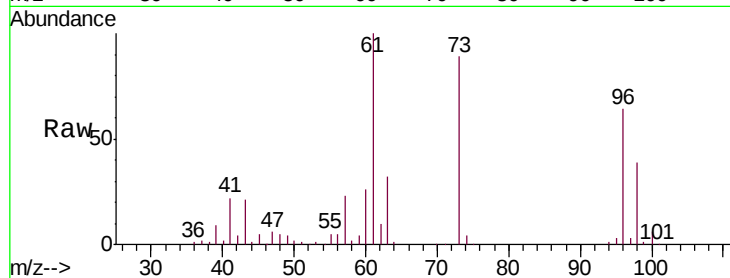
Tgt Ion: 96 Resp: 127534

Ion Ratio Lower Upper

96 100

61 155.5 109.5 203.3

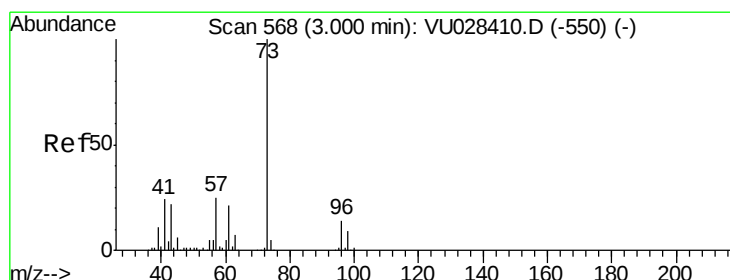
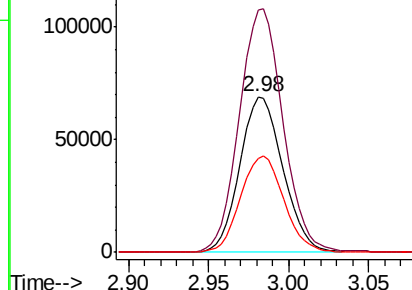
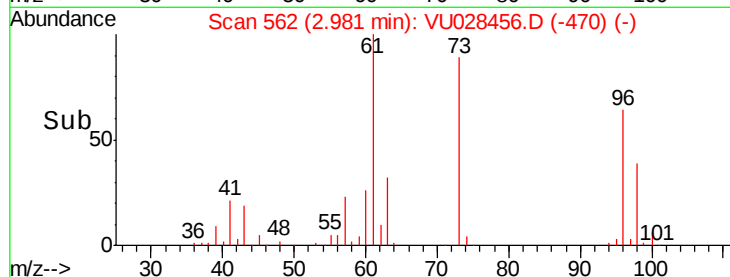
98 60.5 43.3 80.5



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



#18

Methyl tert-butyl Ether

Concen: 42.893 ug/L

RT: 3.00 min Scan# 567

Delta R.T. -0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

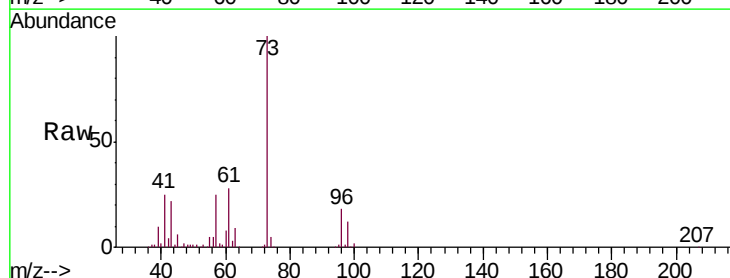
Tgt Ion: 73 Resp: 432859

Ion Ratio Lower Upper

73 100

43 22.4 17.9 26.9

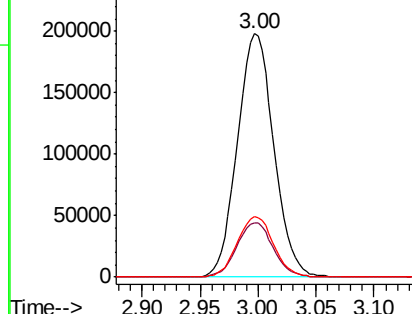
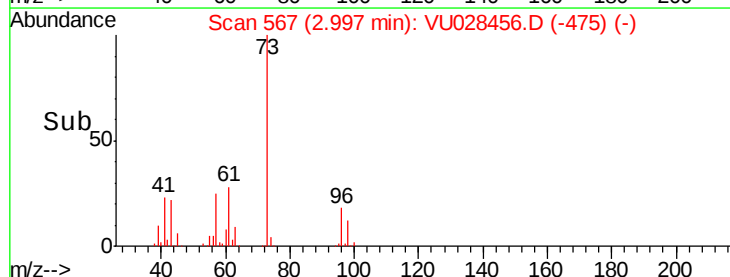
57 24.8 19.7 29.5

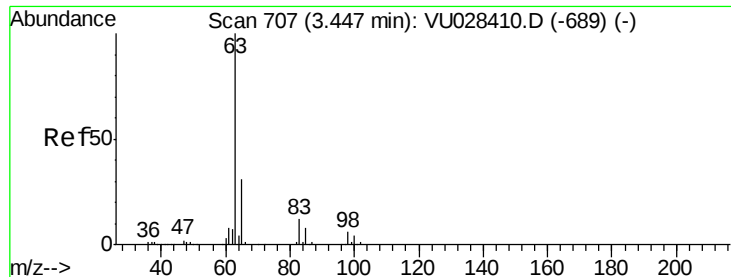


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 43.099 ug/L

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05060

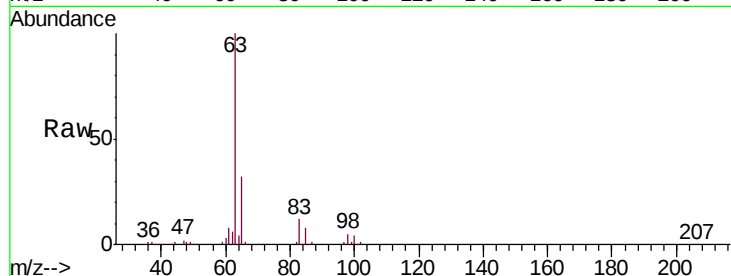
Tgt Ion: 63 Resp: 270369

Ion Ratio Lower Upper

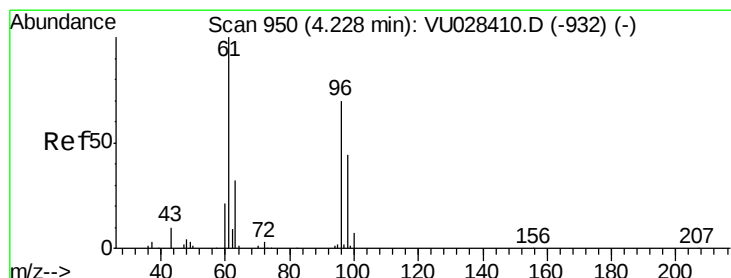
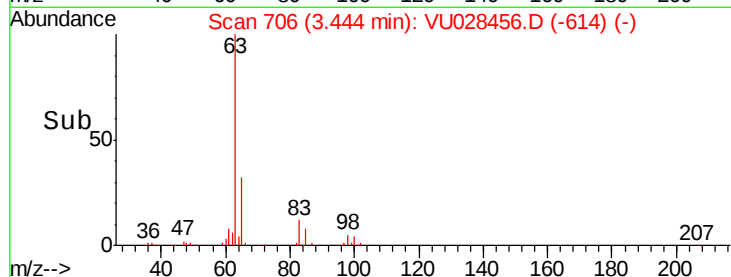
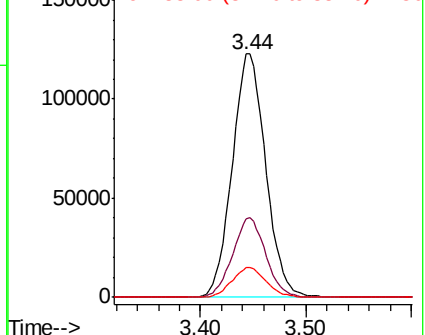
63 100

65 32.4 21.6 40.0

83 12.4 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU0  
Ion 65.00 (64.70 to 65.70): VU0  
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 43.636 ug/L

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

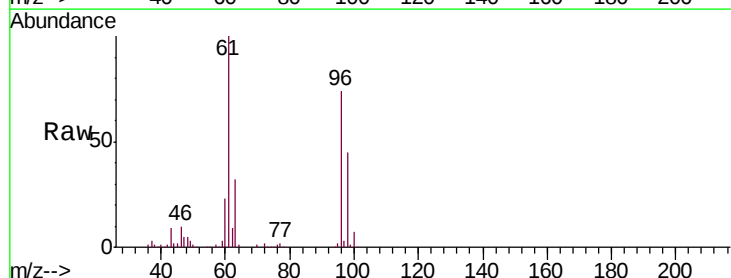
Tgt Ion: 96 Resp: 145746

Ion Ratio Lower Upper

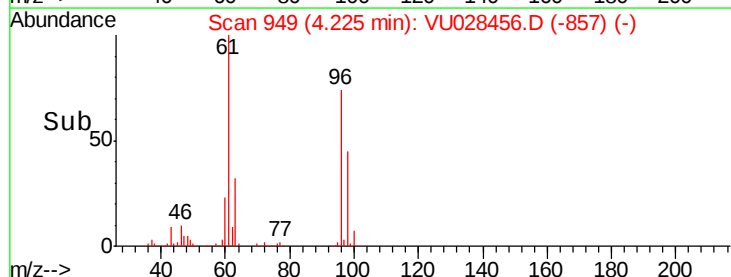
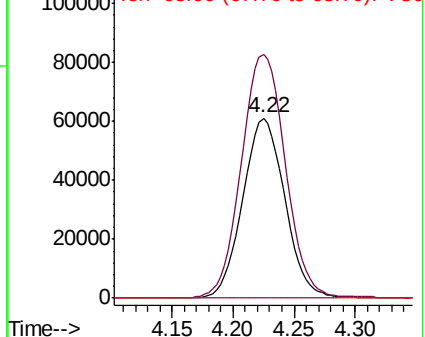
96 100

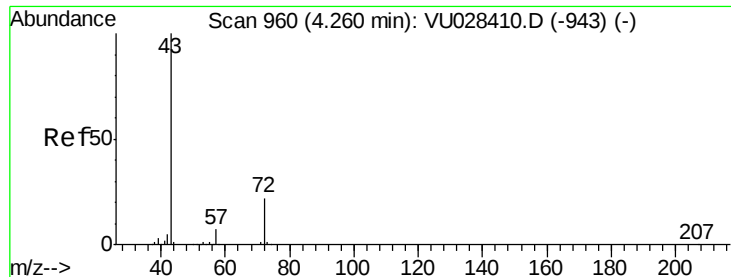
61 135.3 99.8 185.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.00 (60.70 to 61.70): VU0  
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 83.112 ug/L

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

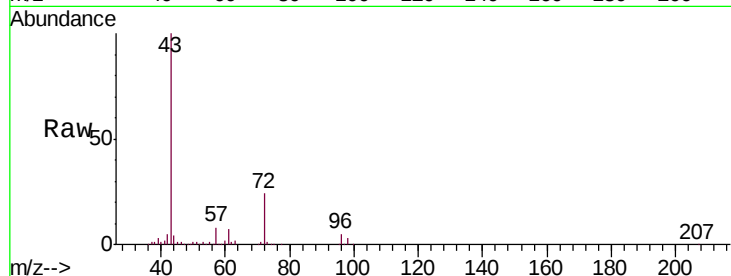
VSTD05060

Tgt Ion: 43 Resp: 322719

Ion Ratio Lower Upper

43 100

72 24.0 11.3 33.9



Abundance Ion 43.00 (42.70 to 43.70): VU028410.D (-943) (-)

Ion 72.00 (71.70 to 72.70): VU028410.D (-943) (-)

4.26

150000

100000

50000

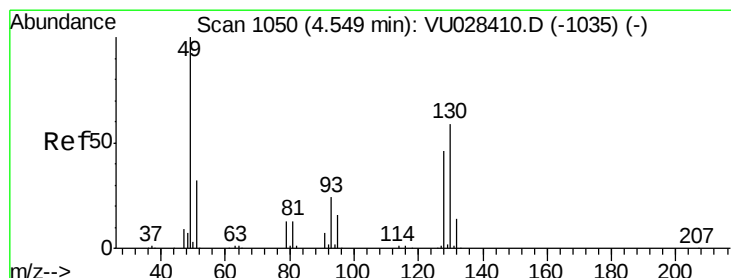
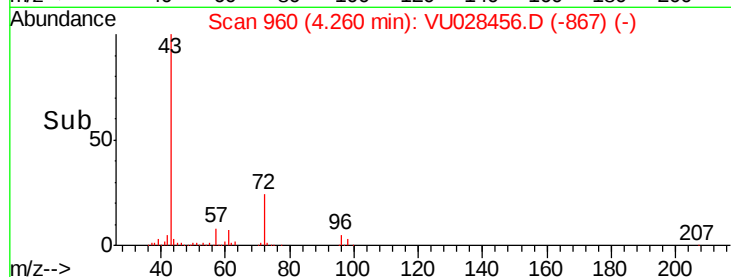
0

Time-->

4.20

4.30

4.40



#23

Bromochloromethane

Concen: 44.087 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Tgt Ion: 128 Resp: 64419

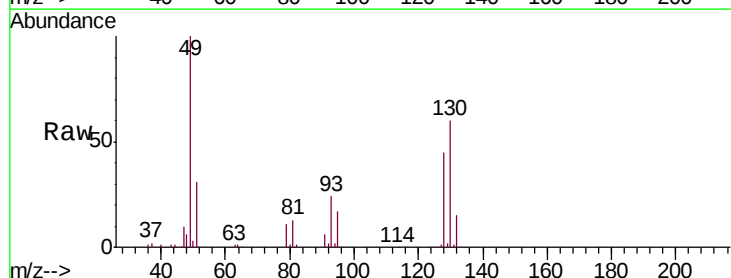
Ion Ratio Lower Upper

128 100

49 223.2 152.5 283.3

130 134.8 89.8 166.8

51 69.2 56.2 84.2



Abundance Ion 128.00 (127.70 to 128.70): VU028410.D (-1035) (-)

Ion 49.00 (48.70 to 49.70): VU028410.D (-1035) (-)

Ion 130.00 (129.70 to 130.70): VU028410.D (-1035) (-)

Ion 51.00 (50.70 to 51.70): VU028410.D (-1035) (-)

80000

60000

40000

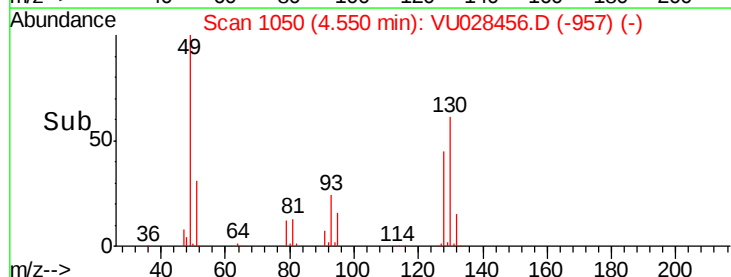
20000

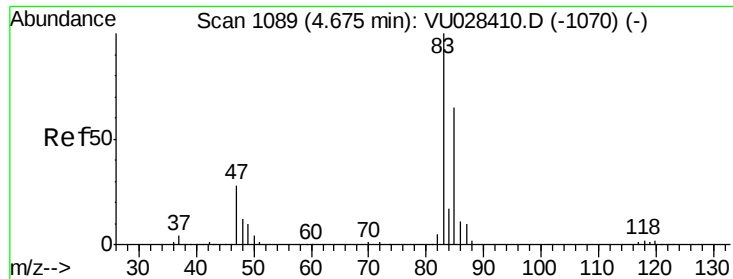
0

Time-->

4.50

4.60

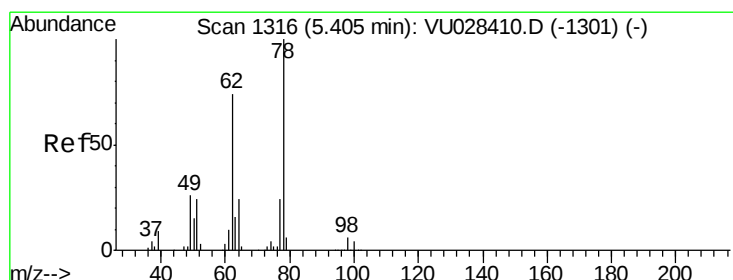
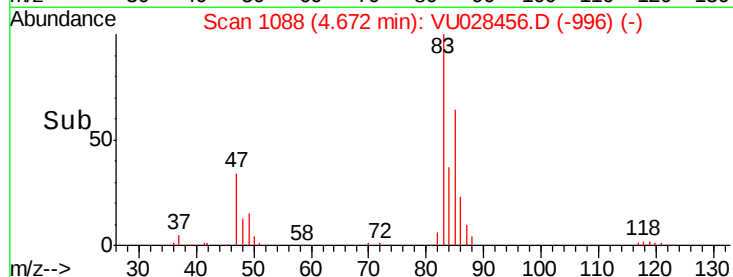
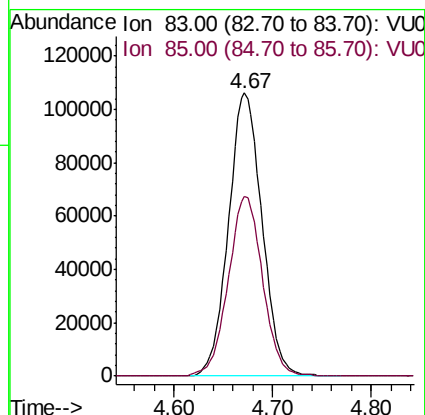
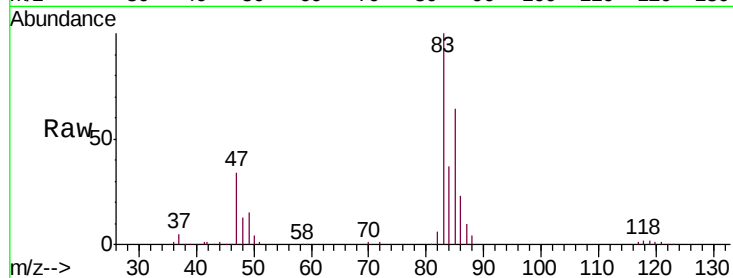




#25  
Chloroform  
Concen: 43.773 ug/L  
RT: 4.67 min Scan# 1088  
Delta R.T. -0.00 min  
Lab File: VU028456.D  
Acq: 04 Dec 2018 10:15

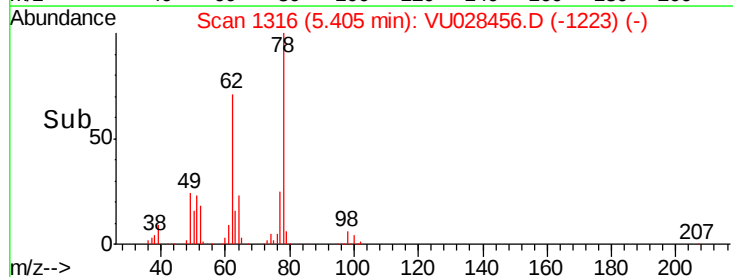
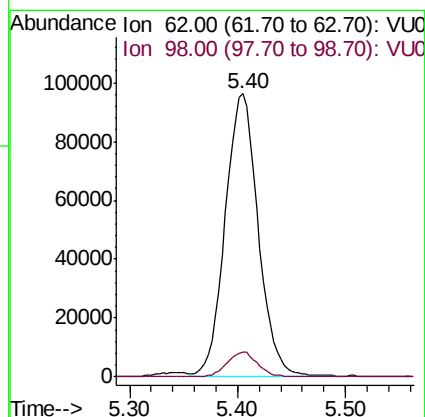
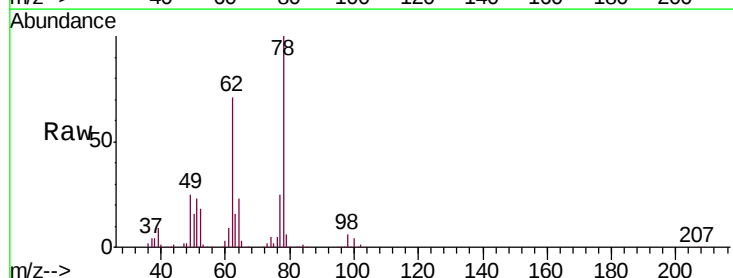
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05060

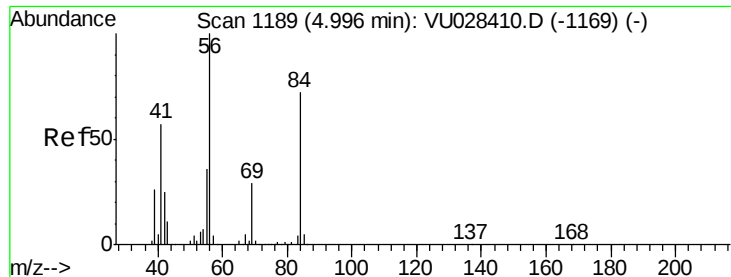
Tgt Ion: 83 Resp: 251421  
Ion Ratio Lower Upper  
83 100  
85 63.6 45.7 84.9



#27  
1,2-Dichloroethane  
Concen: 43.372 ug/L  
RT: 5.40 min Scan# 1316  
Delta R.T. 0.00 min  
Lab File: VU028456.D  
Acq: 04 Dec 2018 10:15

Tgt Ion: 62 Resp: 206227  
Ion Ratio Lower Upper  
62 100  
98 8.8 6.7 10.1

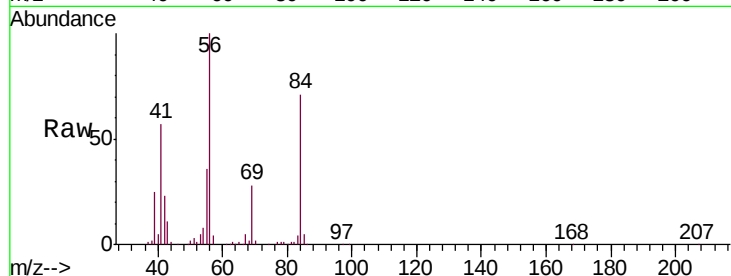




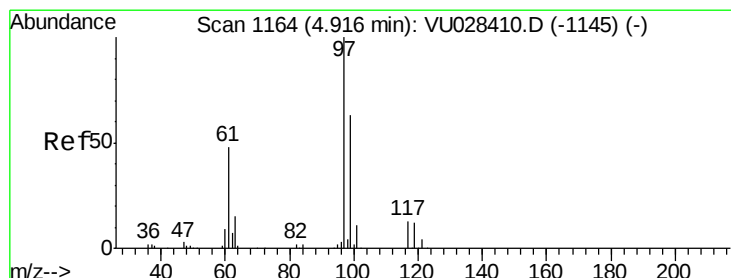
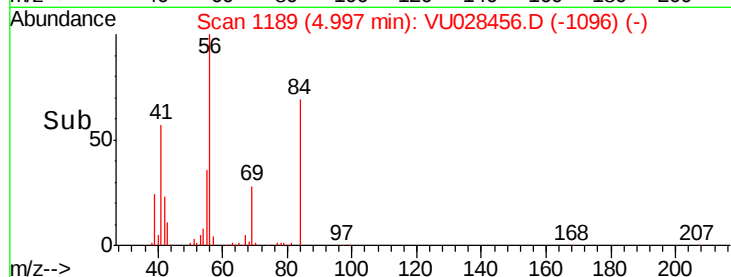
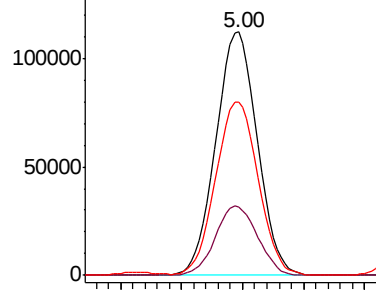
#29  
Cyclohexane  
Concen: 41.718 ug/L  
RT: 5.00 min Scan# 1189  
Delta R.T. 0.00 min  
Lab File: VU028456.D  
Acq: 04 Dec 2018 10:15

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05060

Tgt Ion: 56 Resp: 264156  
Ion Ratio Lower Upper  
56 100  
69 28.9 22.5 33.7  
84 73.3 56.6 85.0

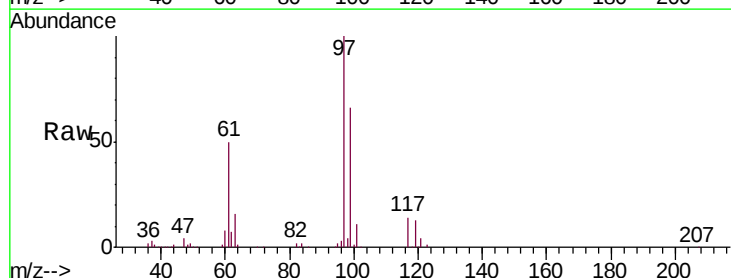


Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 69.00 (68.70 to 69.70): VU0  
Ion 84.00 (83.70 to 84.70): VU0

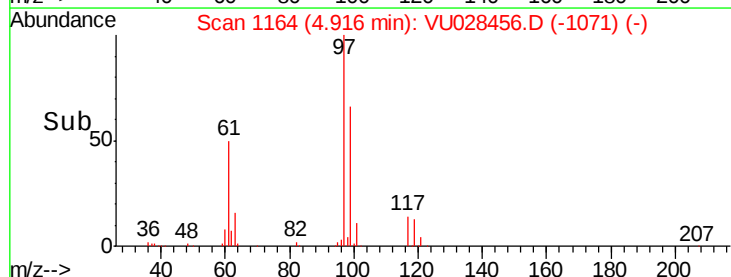
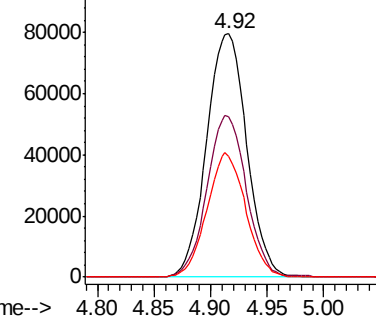


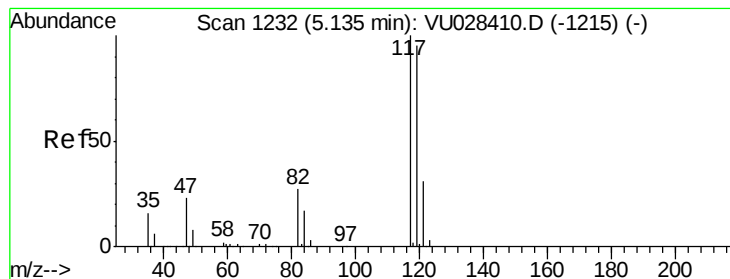
#30  
1,1,1-Trichloroethane  
Concen: 42.554 ug/L  
RT: 4.92 min Scan# 1164  
Delta R.T. 0.00 min  
Lab File: VU028456.D  
Acq: 04 Dec 2018 10:15

Tgt Ion: 97 Resp: 196522  
Ion Ratio Lower Upper  
97 100  
99 64.9 51.4 77.0  
61 49.1 39.3 58.9



Abundance Ion 97.00 (96.70 to 97.70): VU0  
Ion 99.00 (98.70 to 99.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 43.178 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

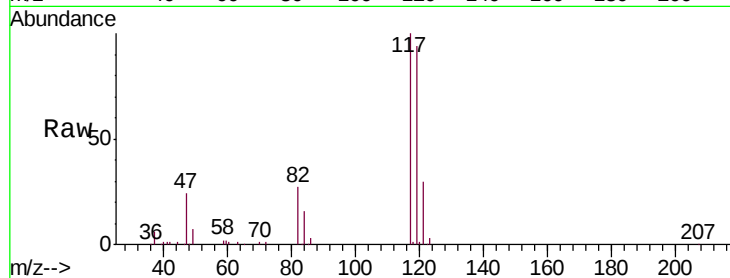
VSTD05060

Tgt Ion:117 Resp: 160610

Ion Ratio Lower Upper

117 100

119 93.5 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.13

80000

60000

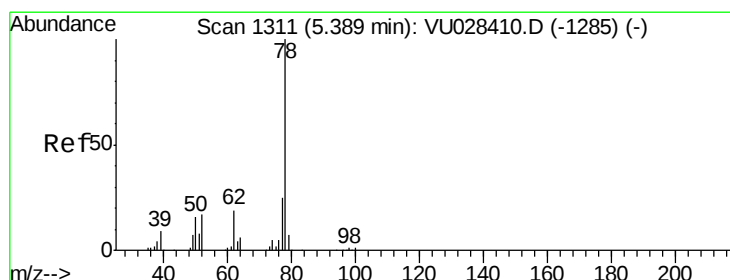
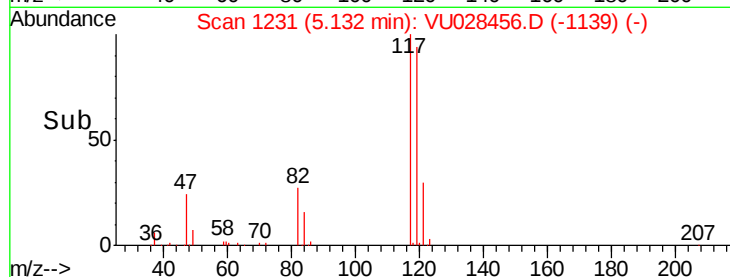
40000

20000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 43.355 ug/L

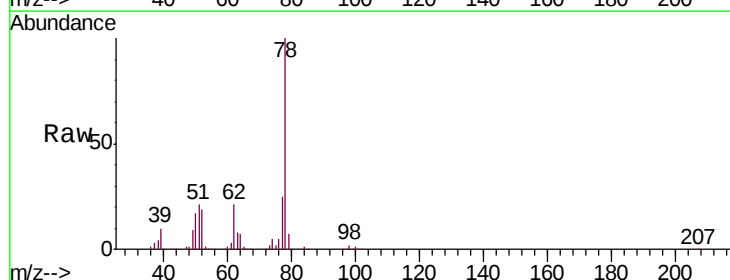
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Tgt Ion: 78 Resp: 581048



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.39

300000

250000

200000

150000

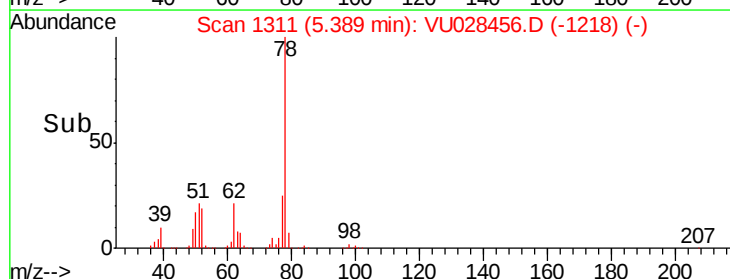
100000

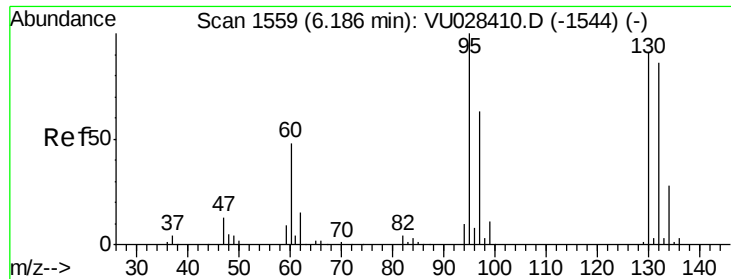
50000

0

Time-->

5.30 5.40 5.50

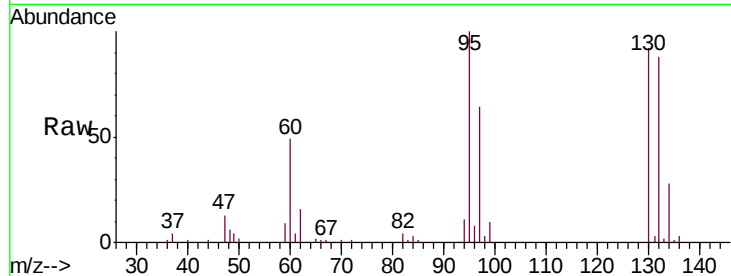




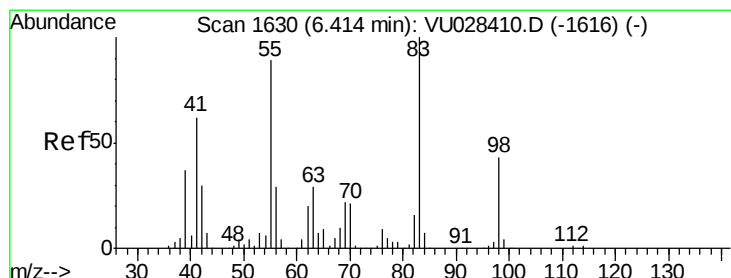
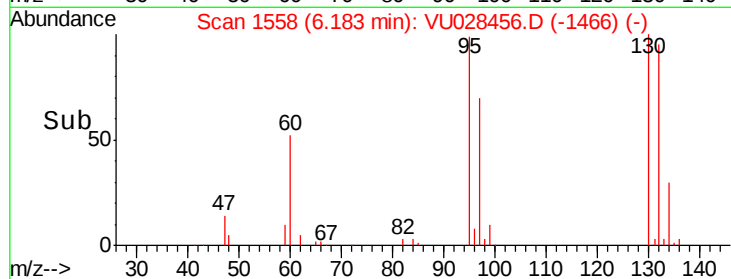
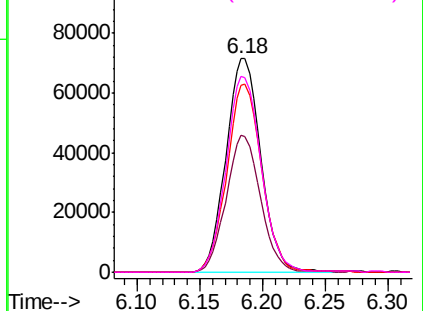
#34  
 Trichloroethene  
 Concen: 43.136 ug/L  
 RT: 6.18 min Scan# 1558  
 Delta R.T. -0.00 min  
 Lab File: VU028456.D  
 Acq: 04 Dec 2018 10:15

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05060

Tgt Ion: 95 Resp: 138233  
 Ion Ratio Lower Upper  
 95 100  
 97 63.9 44.1 81.9  
 132 87.7 60.2 111.8  
 130 91.9 63.5 117.9

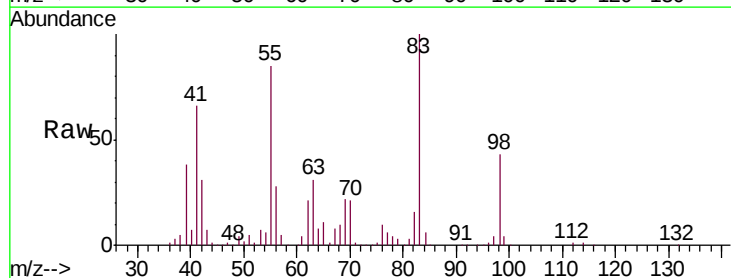


Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 97.00 (96.70 to 97.70): VU0  
 Ion 132.00 (131.70 to 132.70): V  
 Ion 130.00 (129.70 to 130.70): V

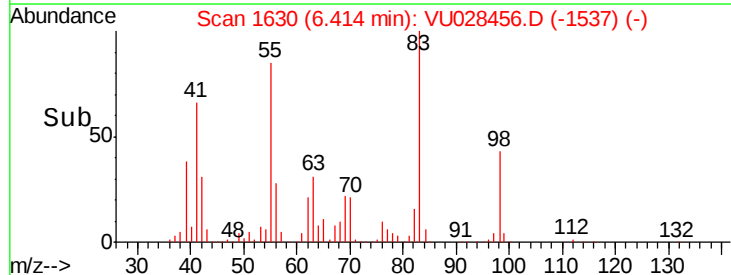
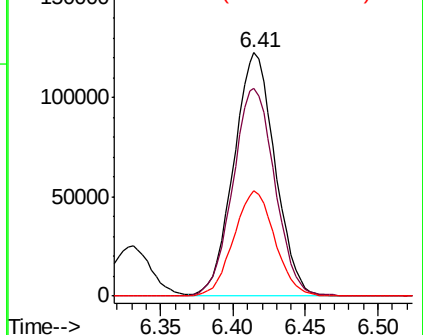


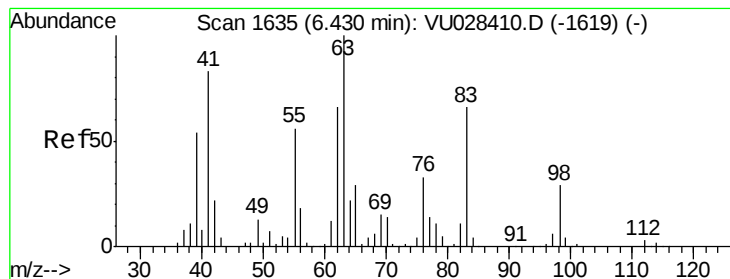
#35  
 Methylcyclohexane  
 Concen: 43.158 ug/L  
 RT: 6.41 min Scan# 1630  
 Delta R.T. 0.00 min  
 Lab File: VU028456.D  
 Acq: 04 Dec 2018 10:15

Tgt Ion: 83 Resp: 240754  
 Ion Ratio Lower Upper  
 83 100  
 55 87.4 70.5 105.7  
 98 43.3 34.6 52.0



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





#37

1,2-Dichloropropane

Concen: 42.826 ug/L

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

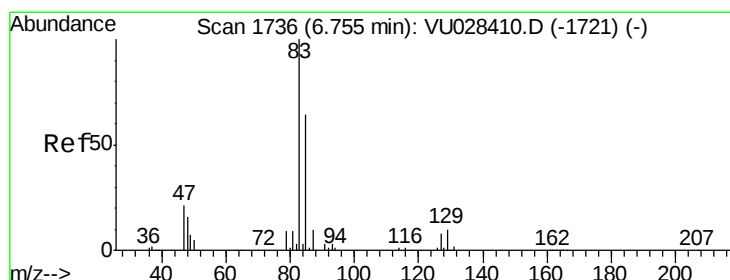
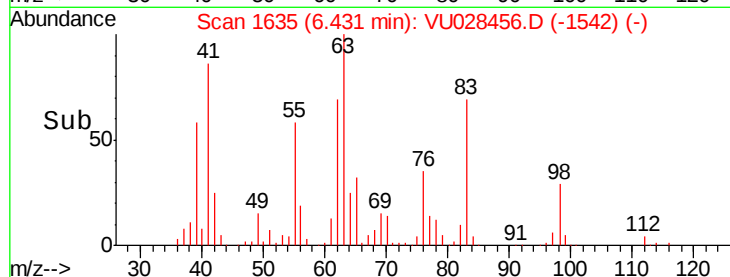
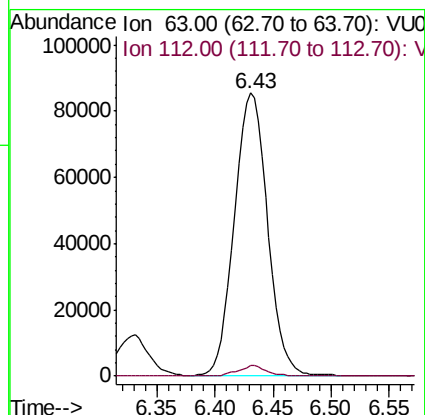
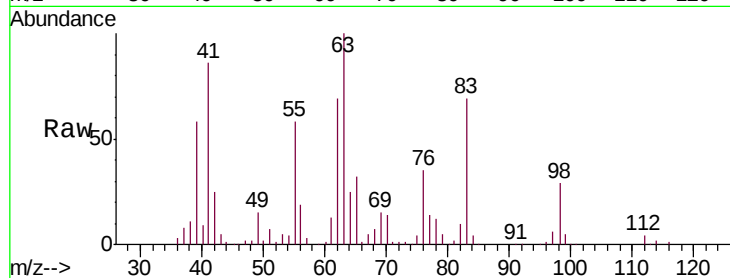
VSTD05060

Tgt Ion: 63 Resp: 170182

Ion Ratio Lower Upper

63 100

112 3.2 2.6 3.8



#38

Bromodichloromethane

Concen: 43.047 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

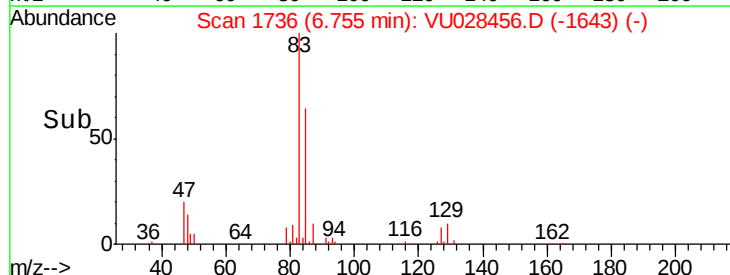
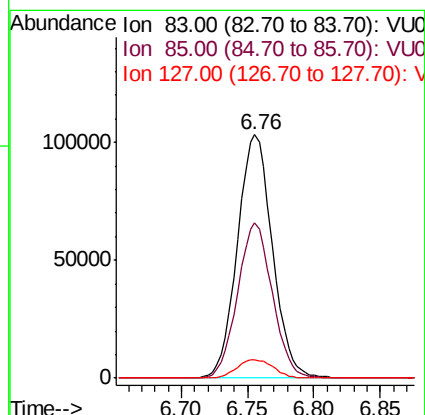
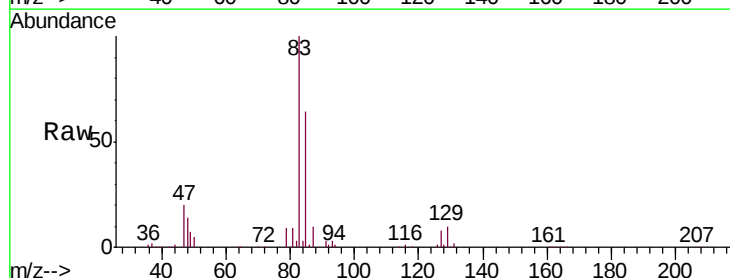
Tgt Ion: 83 Resp: 189810

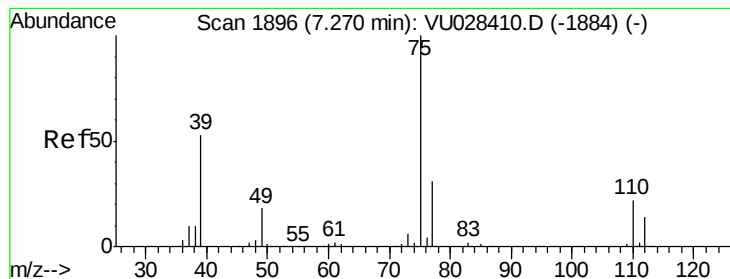
Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.3

127 7.5 6.0 9.0



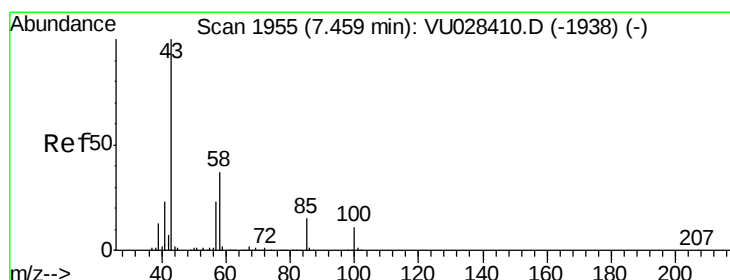
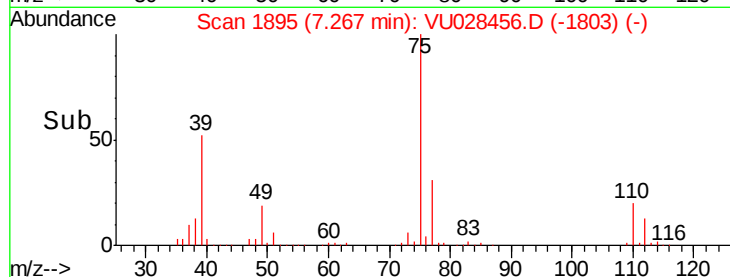
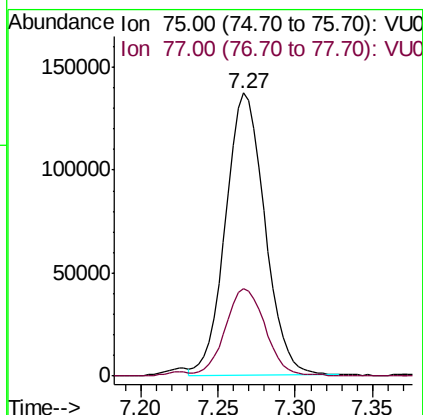
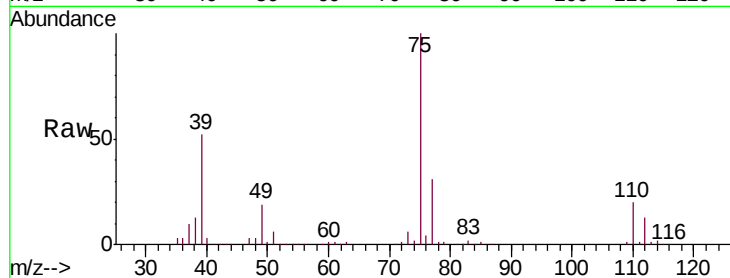


#39

cis-1,3-Dichloropropene  
 Concen: 42.758 ug/L  
 RT: 7.27 min Scan# 1895  
 Delta R.T. -0.00 min  
 Lab File: VU028456.D  
 Acq: 04 Dec 2018 10:15

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05060

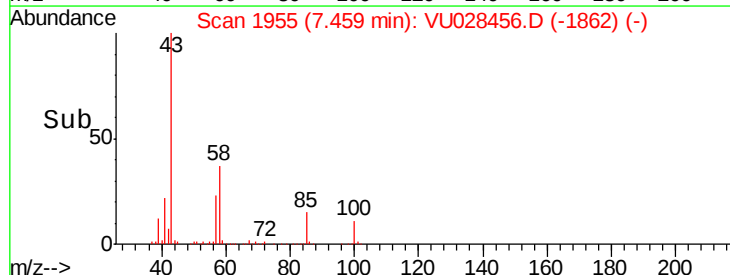
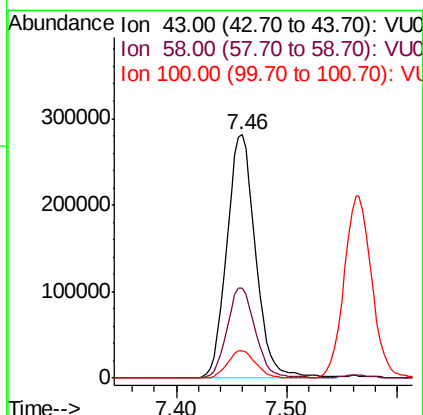
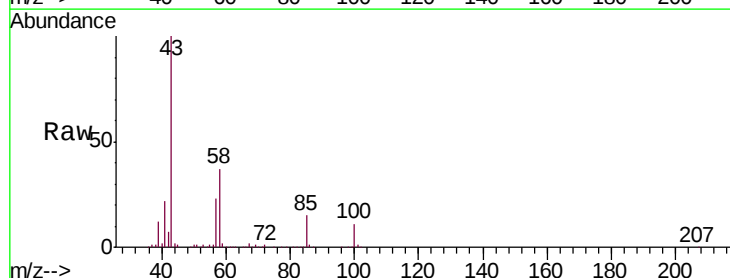
Tgt Ion: 75 Resp: 241252  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 21.9 40.7

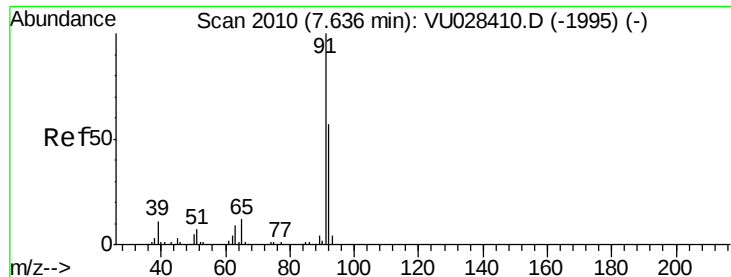


#40

4-Methyl-2-pentanone  
 Concen: 80.987 ug/L  
 RT: 7.46 min Scan# 1955  
 Delta R.T. 0.00 min  
 Lab File: VU028456.D  
 Acq: 04 Dec 2018 10:15

Tgt Ion: 43 Resp: 508959  
 Ion Ratio Lower Upper  
 43 100  
 58 36.9 29.9 44.9  
 100 11.1 8.7 13.1





#42

Toluene

Concen: 43.246 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

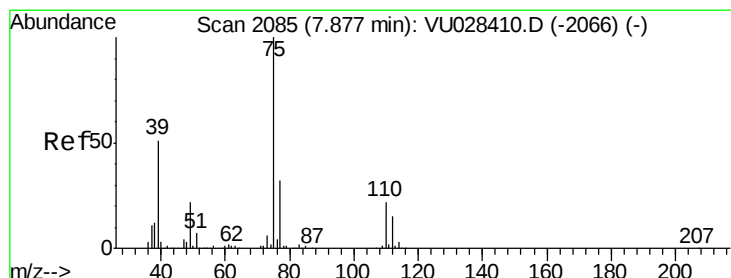
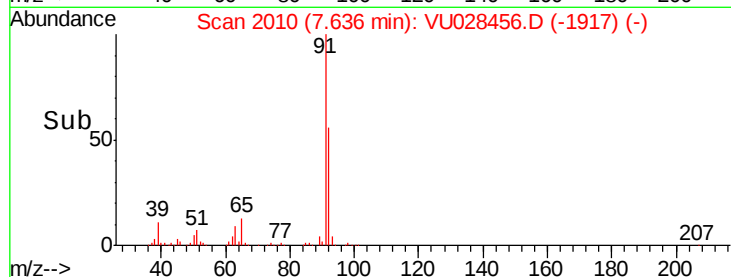
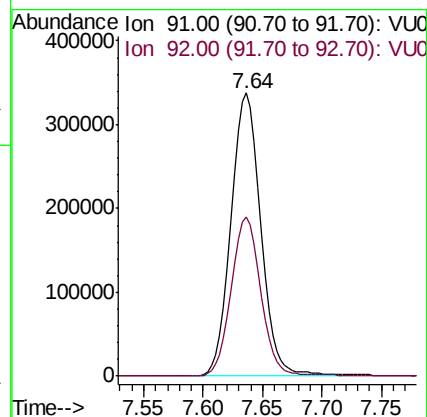
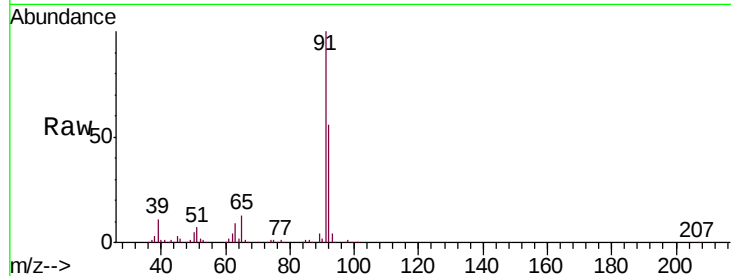
VSTD05060

Tgt Ion: 91 Resp: 589857

Ion Ratio Lower Upper

91 100

92 56.3 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 43.369 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028456.D

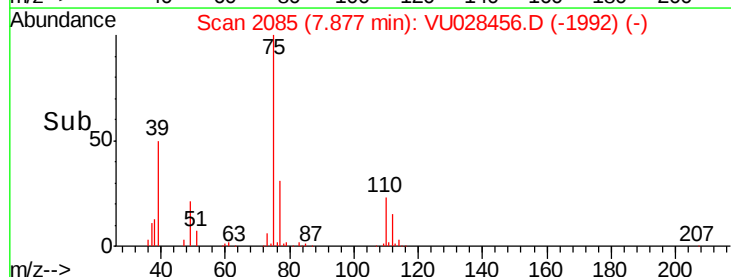
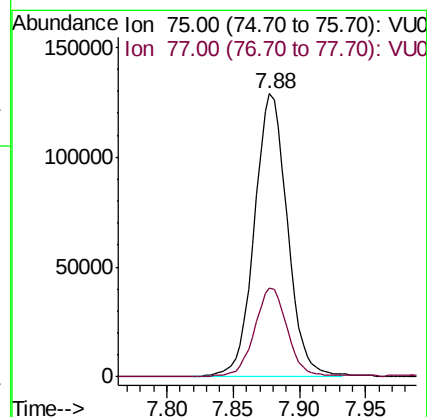
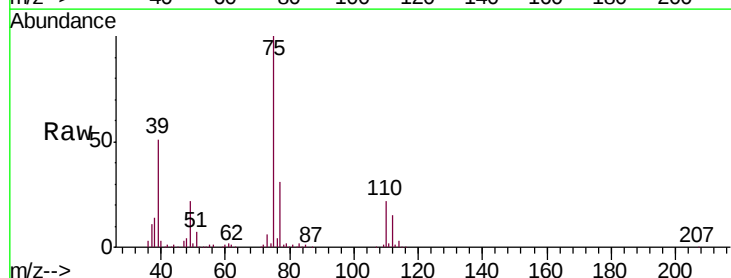
Acq: 04 Dec 2018 10:15

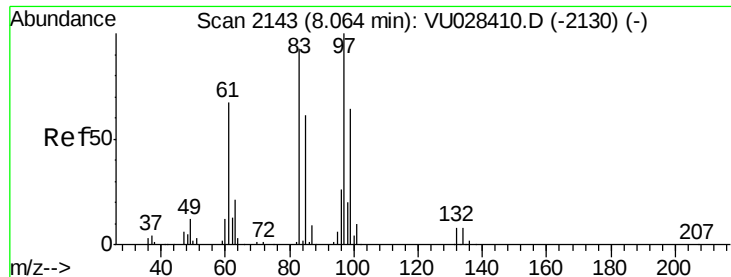
Tgt Ion: 75 Resp: 224219

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1

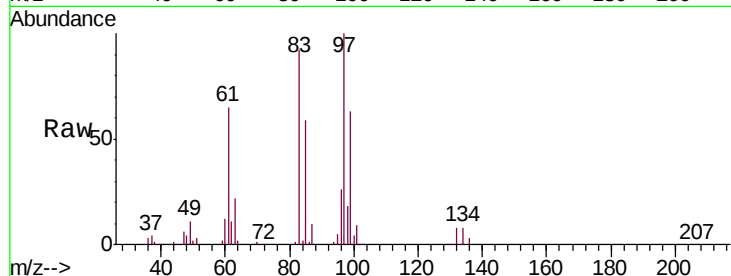




#45  
 1,1,2-Trichloroethane  
 Concen: 43.433 ug/L  
 RT: 8.07 min Scan# 2144  
 Delta R.T. 0.00 min  
 Lab File: VU028456.D  
 Acq: 04 Dec 2018 10:15

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05060

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 134218 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.6  | 44.9  | 83.3   |
| 83       | 92.5  | 65.1  | 120.9  |
| 85       | 58.9  | 42.6  | 79.2   |



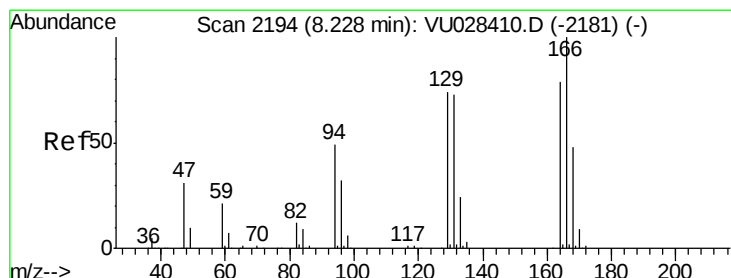
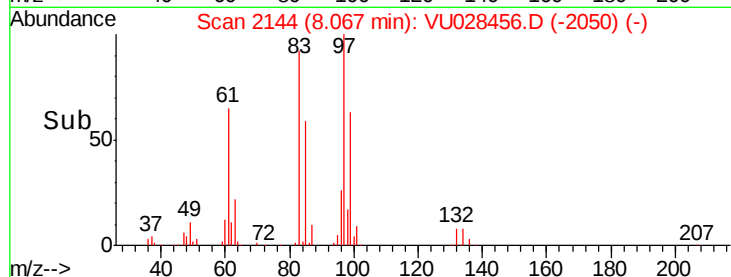
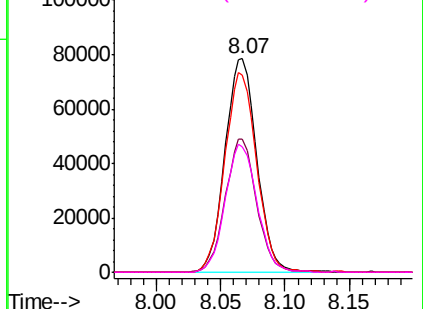
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

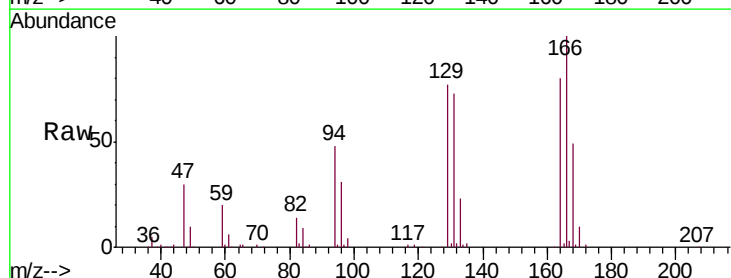
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46  
 Tetrachloroethene  
 Concen: 44.284 ug/L  
 RT: 8.23 min Scan# 2194  
 Delta R.T. 0.00 min  
 Lab File: VU028456.D  
 Acq: 04 Dec 2018 10:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 99796 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 96.7  | 65.8  | 122.2 |
| 131      | 92.4  | 65.2  | 121.0 |
| 166      | 125.8 | 88.9  | 165.1 |



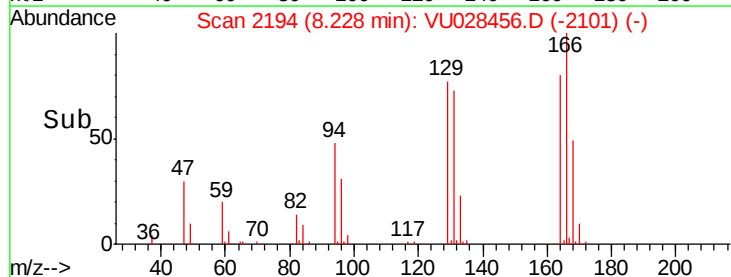
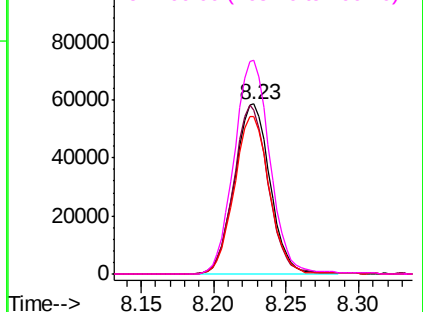
Abundance

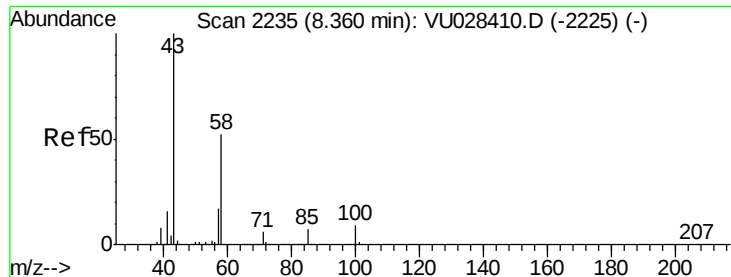
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

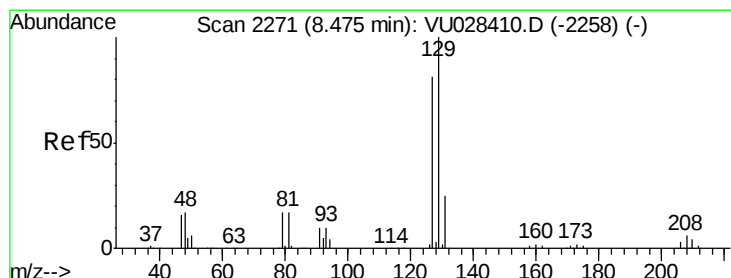
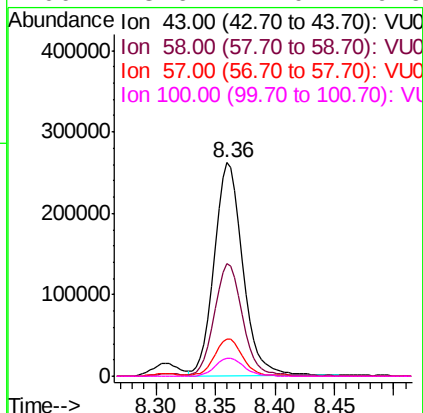
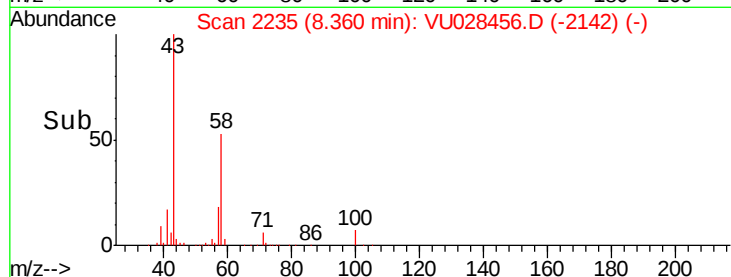
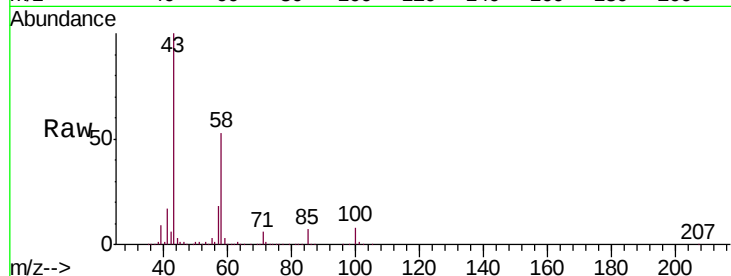




#48  
2-Hexanone  
Concen: 82.790 ug/L  
RT: 8.36 min Scan# 2235  
Delta R.T. 0.00 min  
Lab File: VU028456.D  
Acq: 04 Dec 2018 10:15

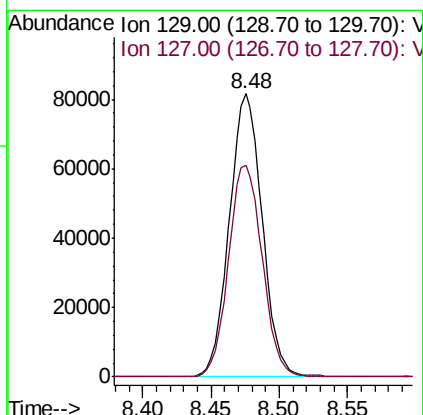
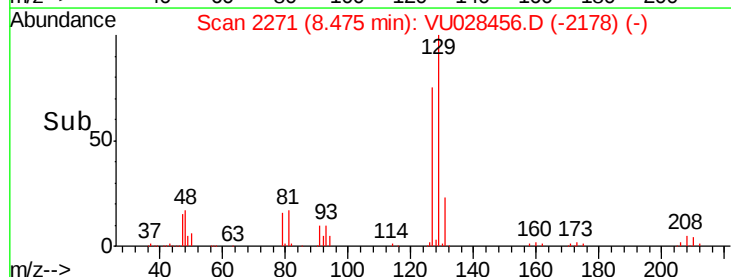
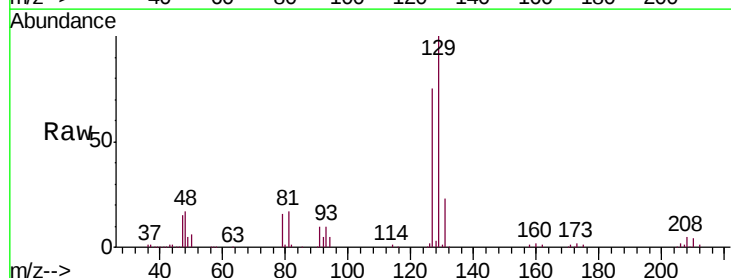
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05060

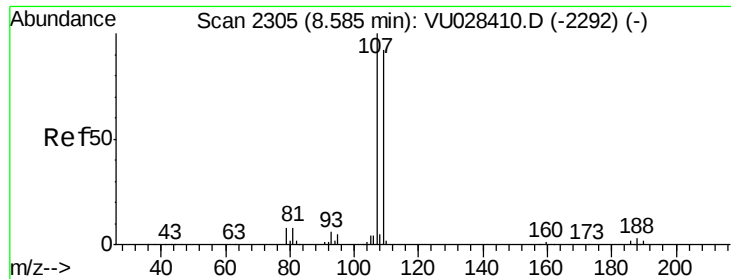
Tgt Ion: 43 Resp: 437133  
Ion Ratio Lower Upper  
43 100  
58 52.0 41.4 62.0  
57 17.2 14.0 21.0  
100 8.6 7.0 10.6



#49  
Dibromochloromethane  
Concen: 43.172 ug/L  
RT: 8.48 min Scan# 2271  
Delta R.T. 0.00 min  
Lab File: VU028456.D  
Acq: 04 Dec 2018 10:15

Tgt Ion: 129 Resp: 136467  
Ion Ratio Lower Upper  
129 100  
127 74.6 56.8 105.4

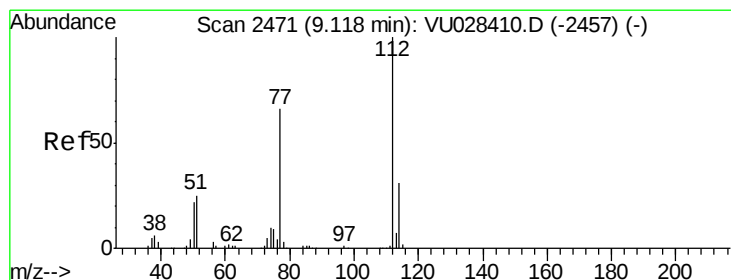
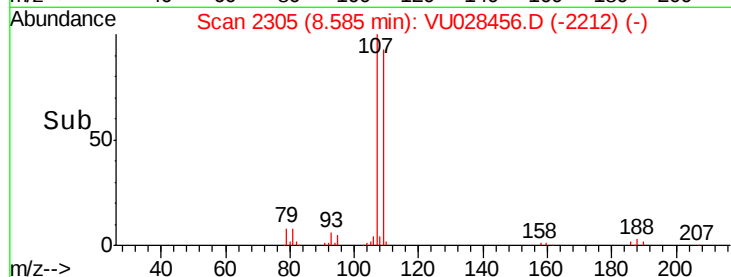
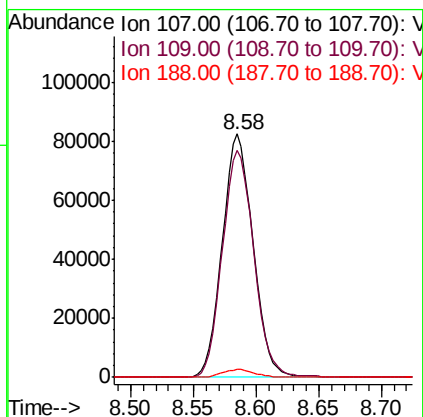
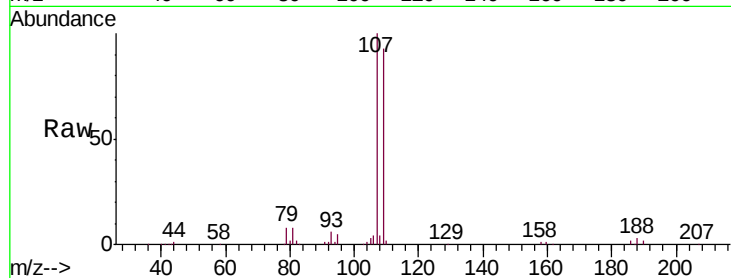




#50  
1,2-Dibromoethane  
Concen: 42.323 ug/L  
RT: 8.58 min Scan# 2305  
Delta R.T. 0.00 min  
Lab File: VU028456.D  
Acq: 04 Dec 2018 10:15

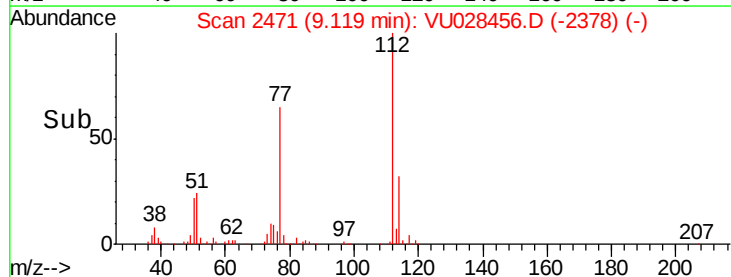
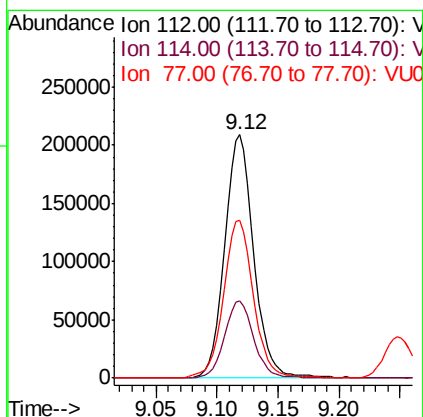
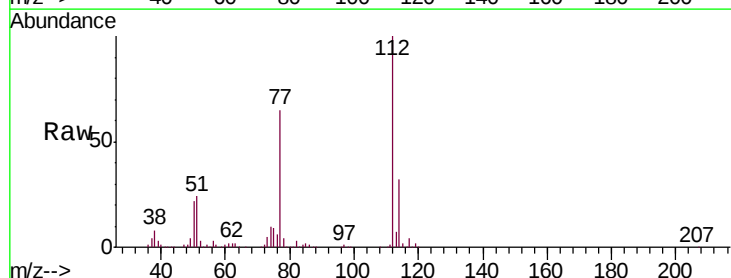
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05060

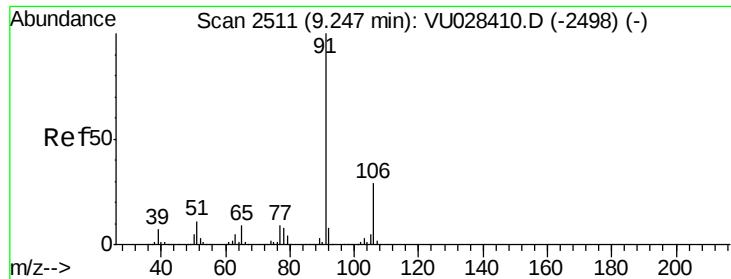
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.2  | 64.5  | 119.7 |
| 188     | 3.1   | 2.6   | 3.8   |



#51  
Chlorobenzene  
Concen: 42.891 ug/L  
RT: 9.12 min Scan# 2471  
Delta R.T. 0.00 min  
Lab File: VU028456.D  
Acq: 04 Dec 2018 10:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.9  | 21.6  | 40.0  |
| 77      | 64.7  | 53.0  | 79.6  |





#52

Ethylbenzene

Concen: 42.882 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

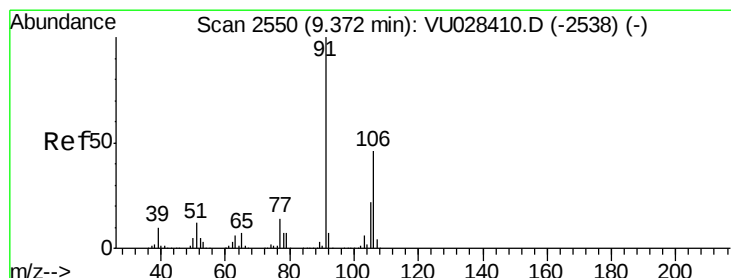
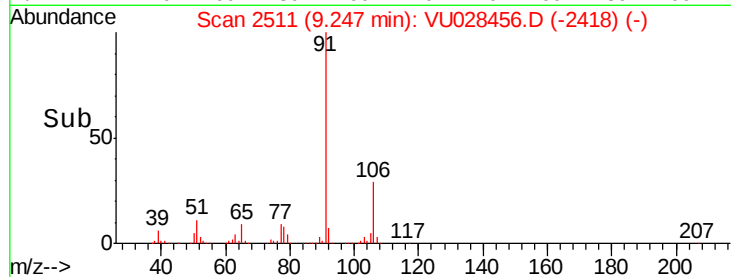
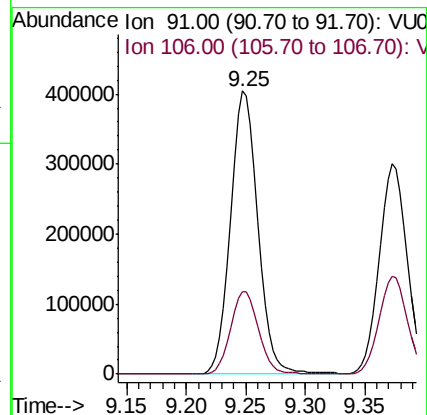
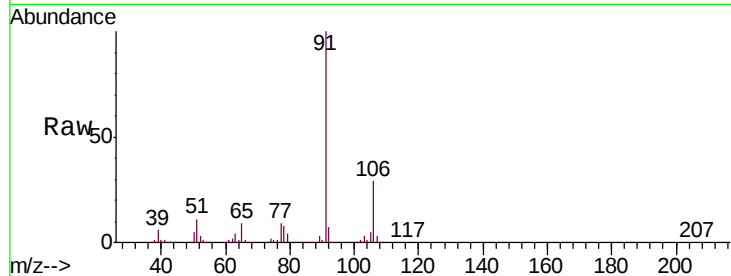
VSTD05060

Tgt Ion: 91 Resp: 646096

Ion Ratio Lower Upper

91 100

106 29.2 20.2 37.6



#53

m,p-Xylene

Concen: 42.997 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028456.D

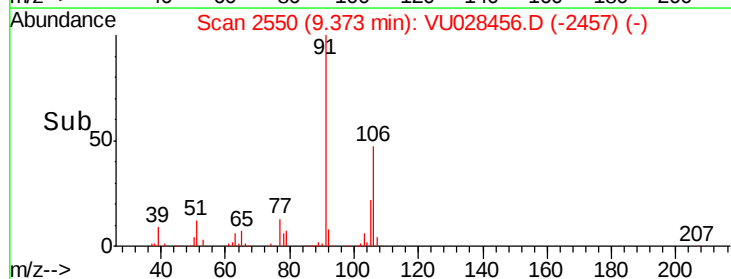
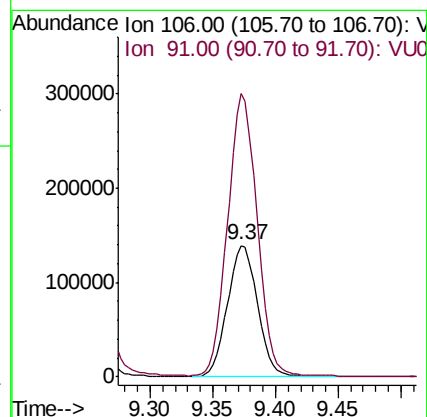
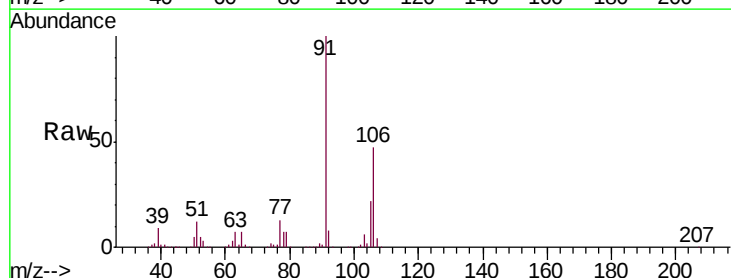
Acq: 04 Dec 2018 10:15

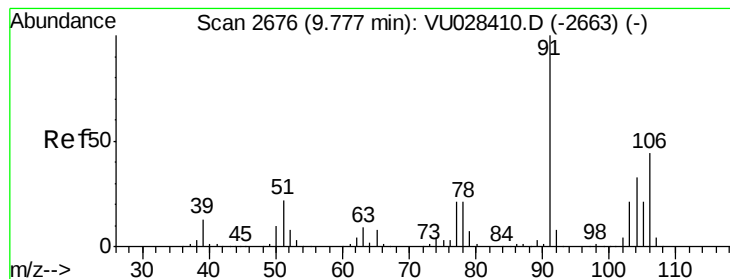
Tgt Ion: 106 Resp: 231056

Ion Ratio Lower Upper

106 100

91 214.9 152.9 283.9





#54

o-xylene

Concen: 42.783 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

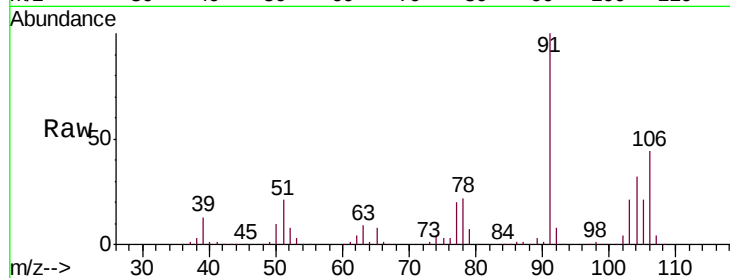
VSTD05060

Tgt Ion:106 Resp: 227717

Ion Ratio Lower Upper

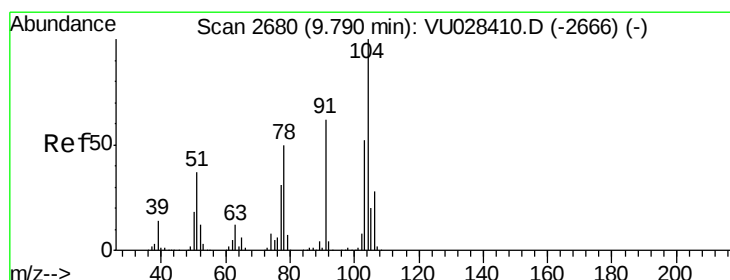
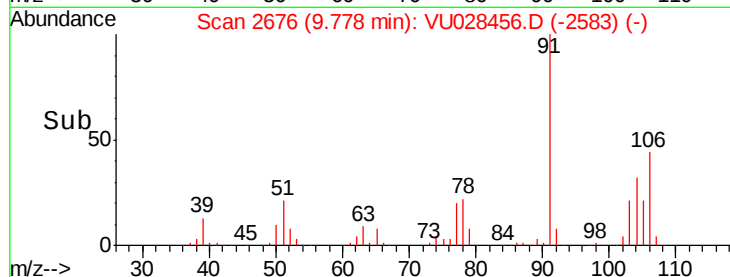
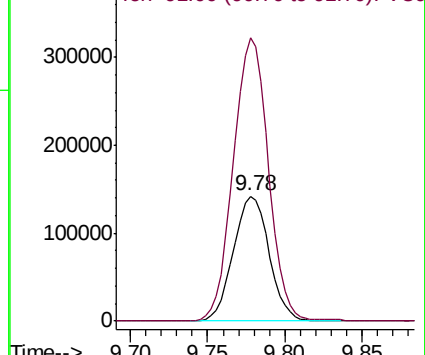
106 100

91 226.2 158.4 294.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 43.764 ug/L

RT: 9.79 min Scan# 2680

Delta R.T. 0.00 min

Lab File: VU028456.D

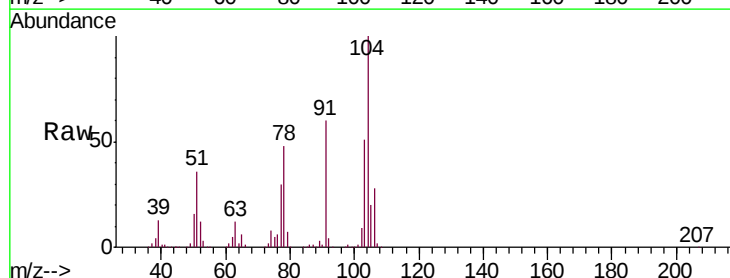
Acq: 04 Dec 2018 10:15

Tgt Ion:104 Resp: 399092

Ion Ratio Lower Upper

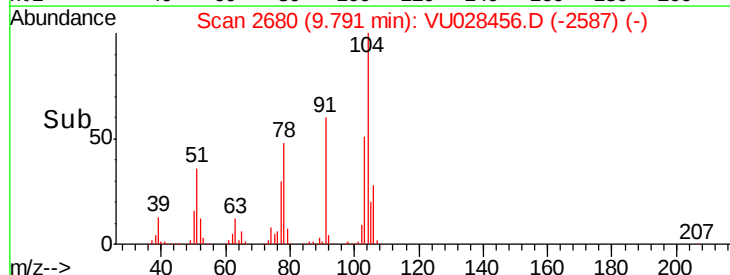
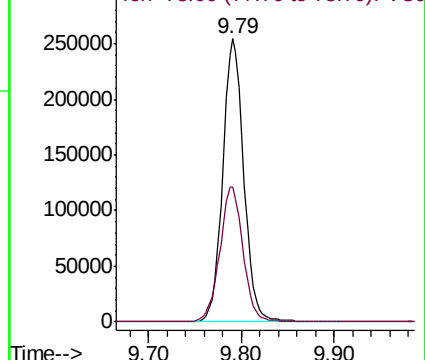
104 100

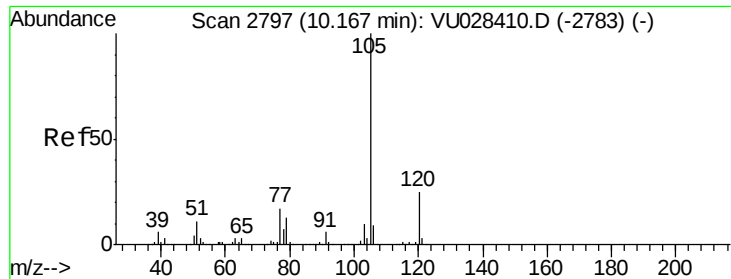
78 47.6 35.0 65.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 42.901 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05060

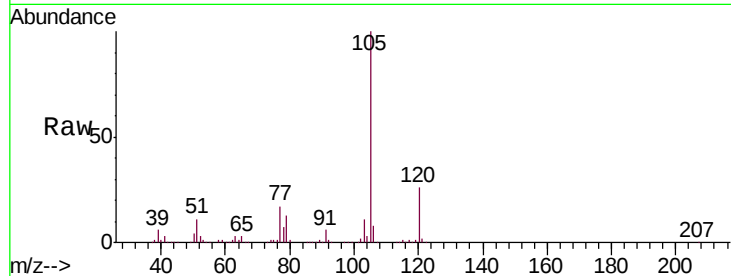
Tgt Ion: 105 Resp: 602392

Ion Ratio Lower Upper

105 100

120 25.8 20.1 30.1

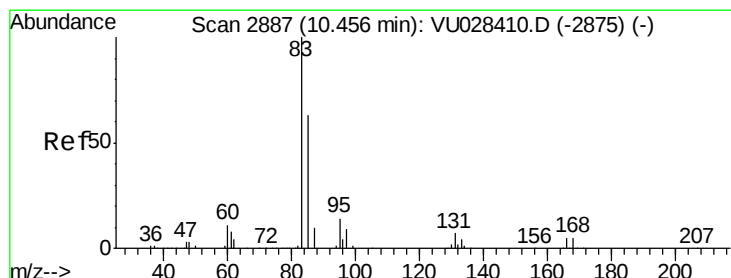
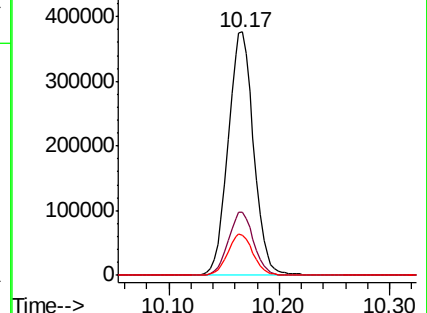
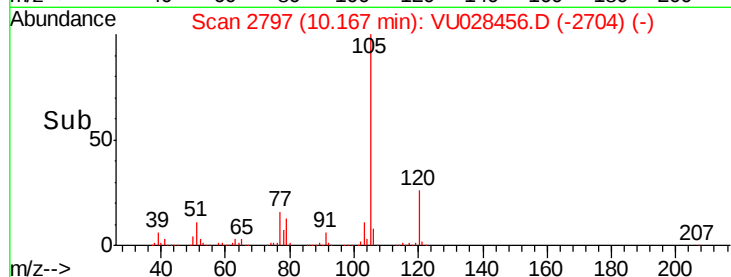
77 16.9 13.4 20.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 42.866 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

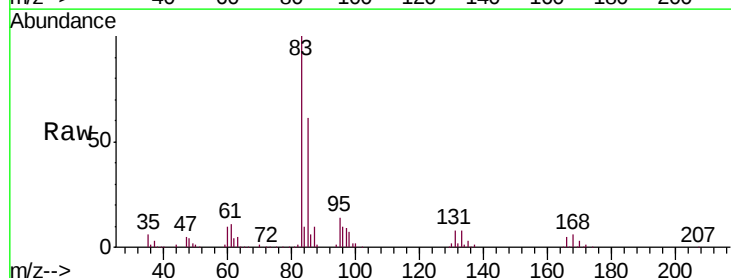
Tgt Ion: 83 Resp: 247099

Ion Ratio Lower Upper

83 100

85 61.5 44.7 83.1

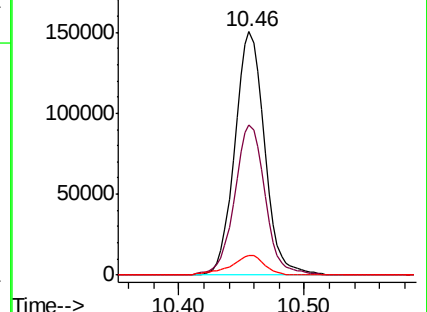
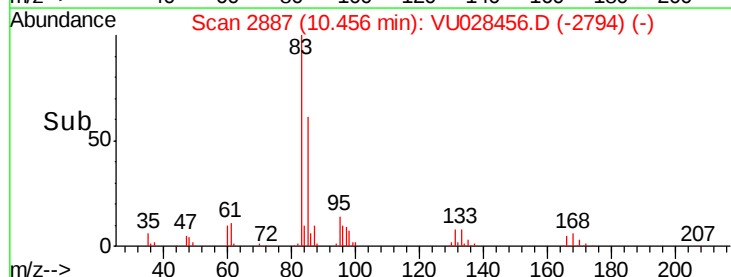
131 8.0 6.5 9.7

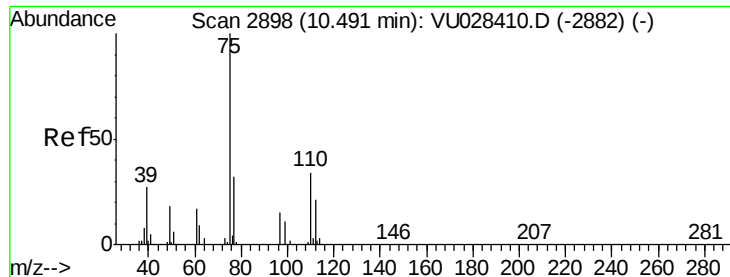


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 41.902 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

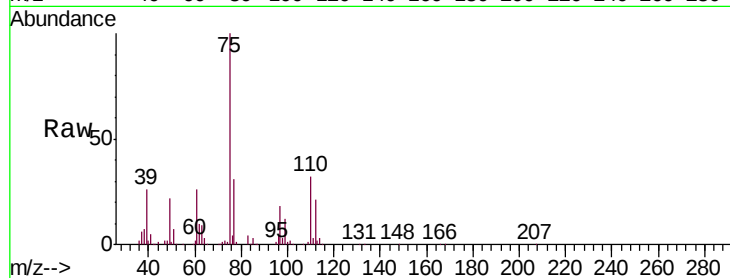
VSTD05060

Tgt Ion: 75 Resp: 189007

Ion Ratio Lower Upper

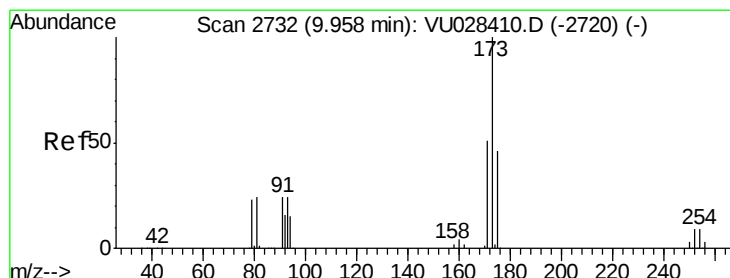
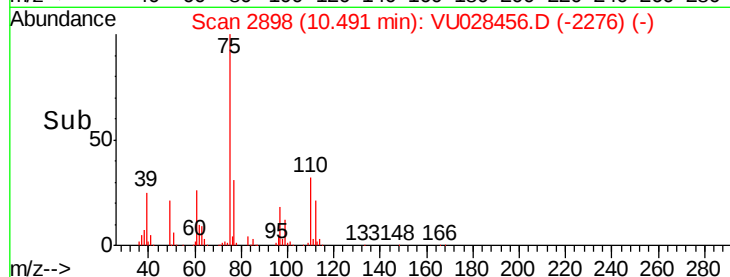
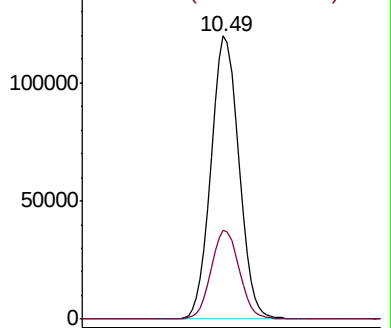
75 100

77 31.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU028410.D (-2882) (-)

Ion 77.00 (76.70 to 77.70): VU028410.D (-2882) (-)



#61

Bromoform

Concen: 42.255 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

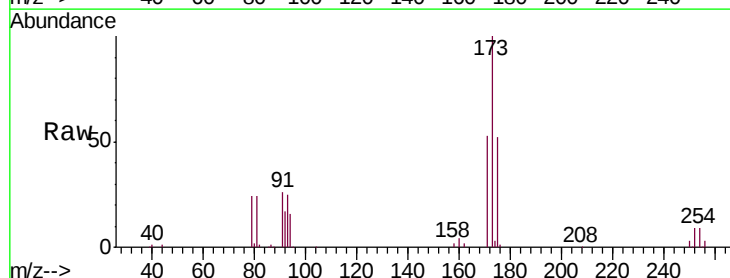
Tgt Ion: 173 Resp: 97868

Ion Ratio Lower Upper

173 100

175 48.9 38.1 57.1

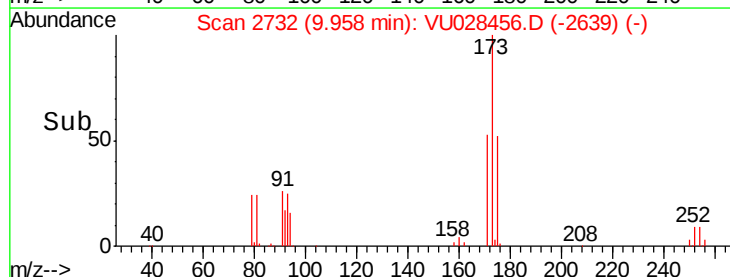
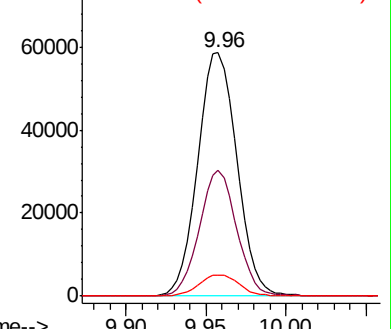
254 9.1 6.8 10.2

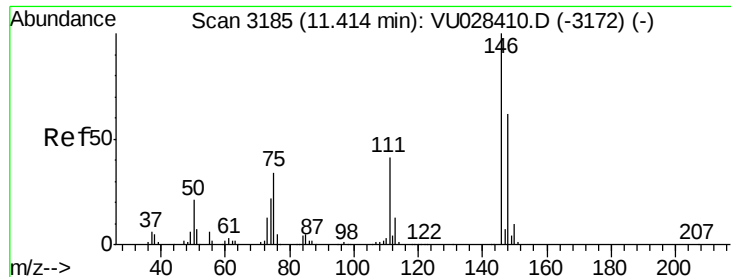


Abundance Ion 173.00 (172.70 to 173.70): VU028410.D (-2720) (-)

Ion 175.00 (174.70 to 175.70): VU028410.D (-2720) (-)

Ion 254.00 (253.70 to 254.70): VU028410.D (-2720) (-)





#62

1,3-Dichlorobenzene

Concen: 43.078 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05060

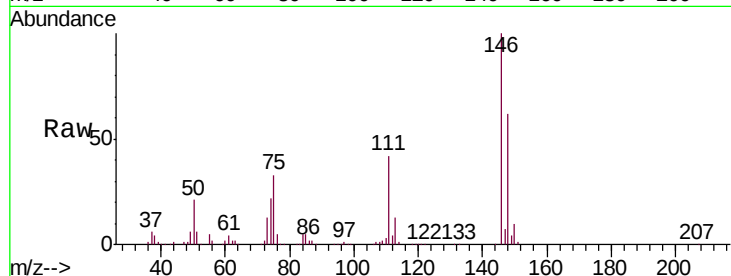
Tgt Ion:146 Resp: 264366

Ion Ratio Lower Upper

146 100

111 41.6 28.8 53.4

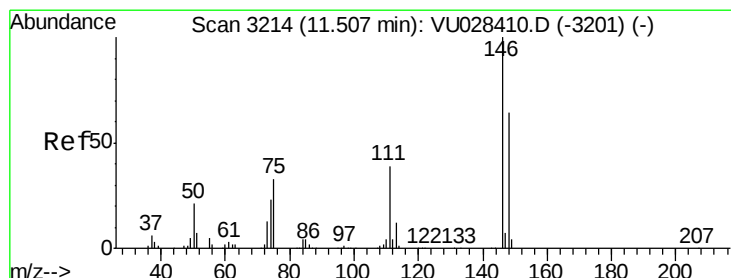
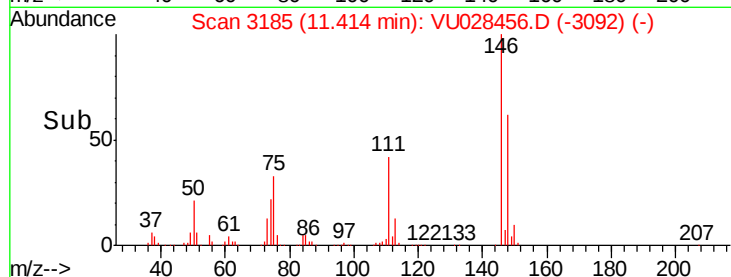
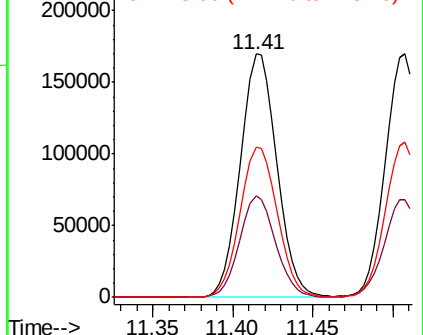
148 61.9 43.1 80.1



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



#63

1,4-Dichlorobenzene

Concen: 42.926 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

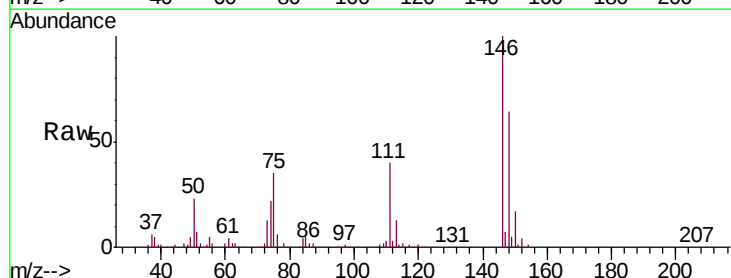
Tgt Ion:146 Resp: 265285

Ion Ratio Lower Upper

146 100

111 40.4 27.6 51.4

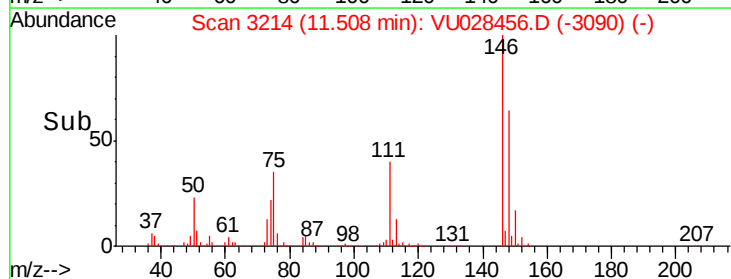
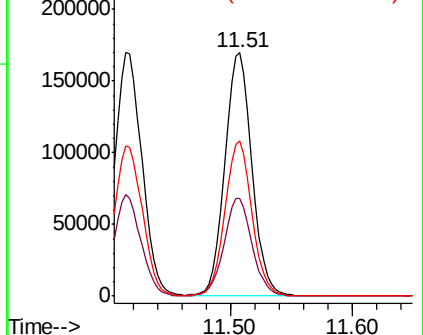
148 63.7 44.7 82.9

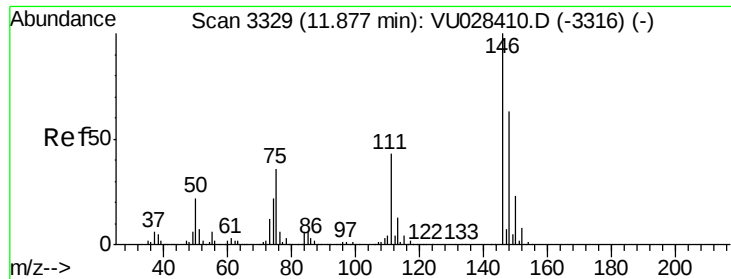


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

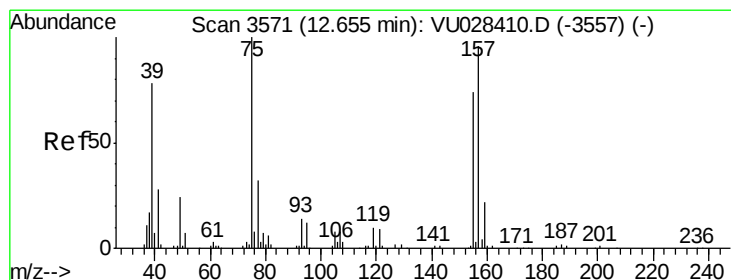
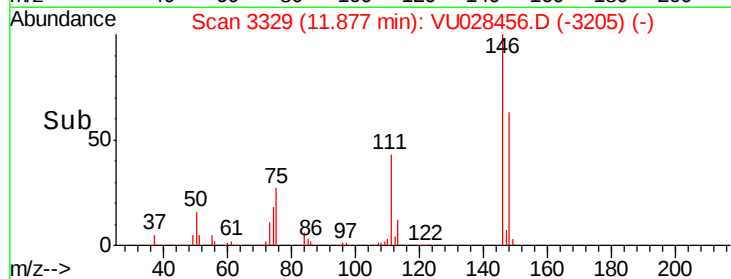
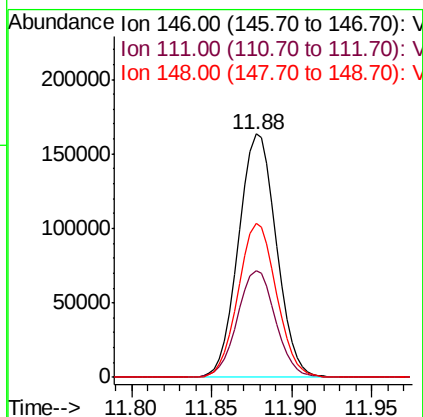
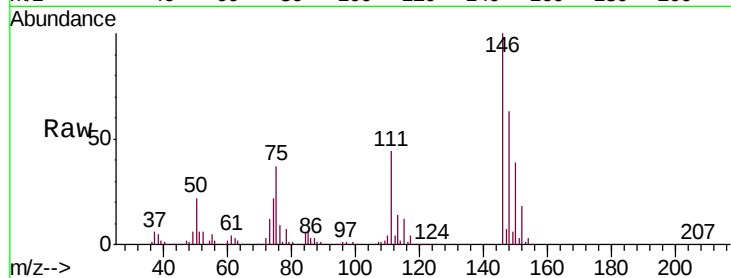




#65  
 1,2-Dichlorobenzene  
 Concen: 43.239 ug/L  
 RT: 11.88 min Scan# 3329  
 Delta R.T. 0.00 min  
 Lab File: VU028456.D  
 Acq: 04 Dec 2018 10:15

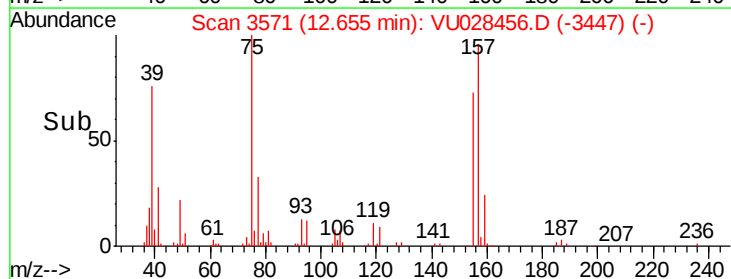
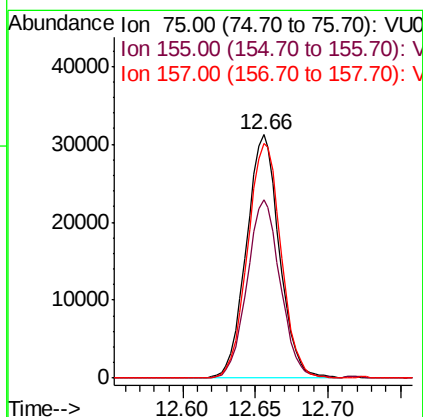
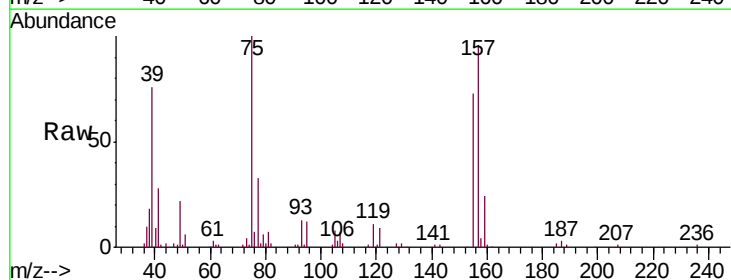
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05060

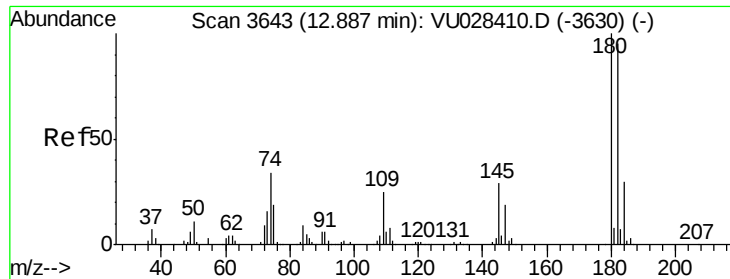
Tgt Ion: 146 Resp: 263387  
 Ion Ratio Lower Upper  
 146 100  
 111 43.8 34.9 52.3  
 148 63.2 50.8 76.2



#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 40.273 ug/L  
 RT: 12.66 min Scan# 3571  
 Delta R.T. 0.00 min  
 Lab File: VU028456.D  
 Acq: 04 Dec 2018 10:15

Tgt Ion: 75 Resp: 49420  
 Ion Ratio Lower Upper  
 75 100  
 155 73.5 58.8 88.2  
 157 96.4 76.9 115.3

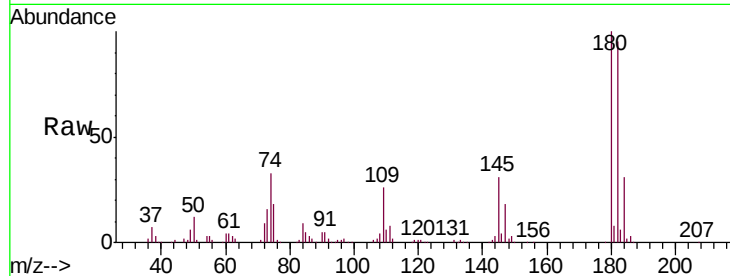




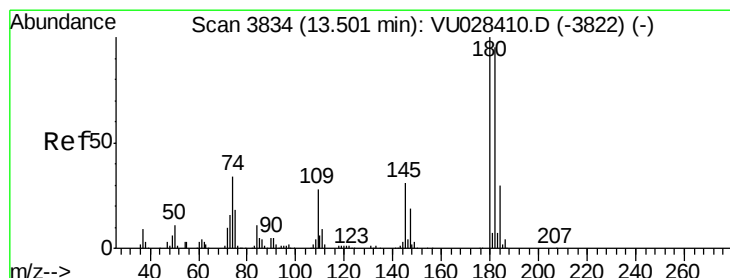
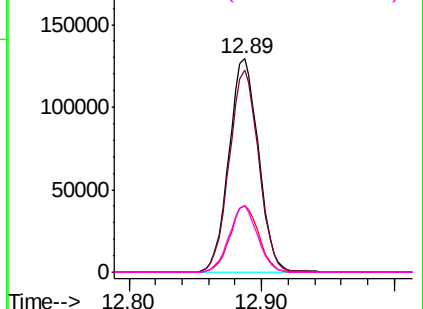
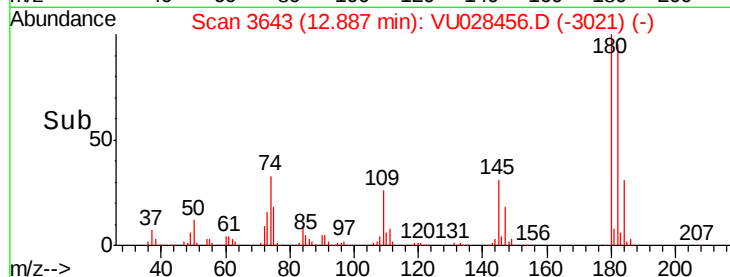
#67  
 1,3,5-Trichlorobenzene  
 Concen: 44.465 ug/L  
 RT: 12.89 min Scan# 3643  
 Delta R.T. 0.00 min  
 Lab File: VU028456.D  
 Acq: 04 Dec 2018 10:15

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05060

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 200744 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.0  | 75.8  | 113.6  |
| 184      | 30.3  | 24.0  | 36.0   |
| 145      | 29.7  | 23.8  | 35.8   |

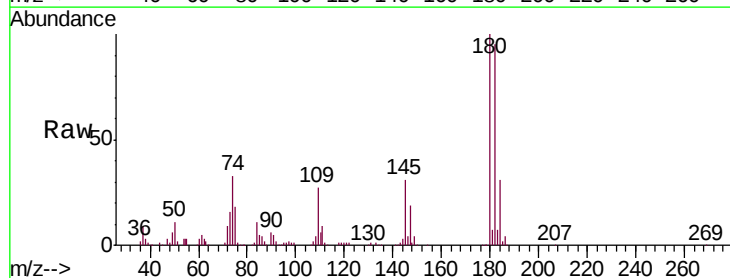


Abundance Ion 180.00 (179.70 to 180.70): V  
 200000  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 184.00 (183.70 to 184.70): V  
 Ion 145.00 (144.70 to 145.70): V

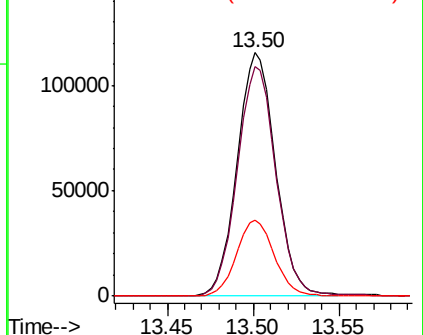
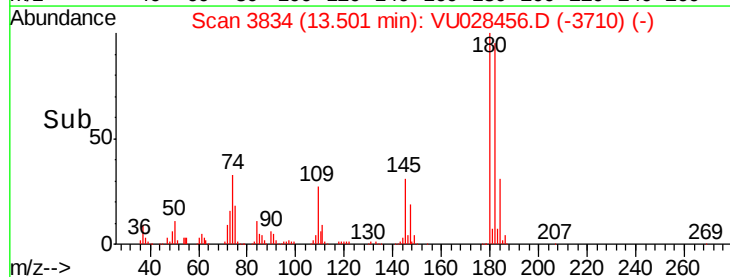


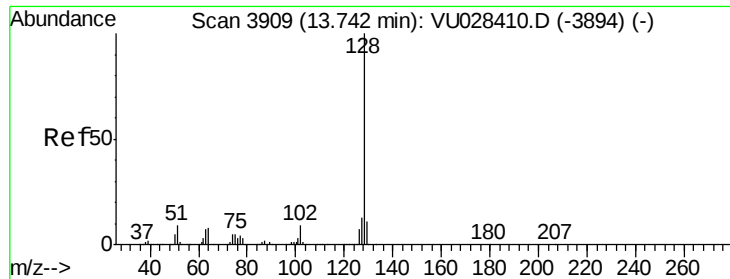
#68  
 1,2,4-trichlorobenzene  
 Concen: 42.573 ug/L  
 RT: 13.50 min Scan# 3834  
 Delta R.T. 0.00 min  
 Lab File: VU028456.D  
 Acq: 04 Dec 2018 10:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 179006 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.1  | 76.0  | 114.0  |
| 145      | 30.7  | 24.2  | 36.2   |



Abundance Ion 180.00 (179.70 to 180.70): V  
 150000  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 41.406 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05060

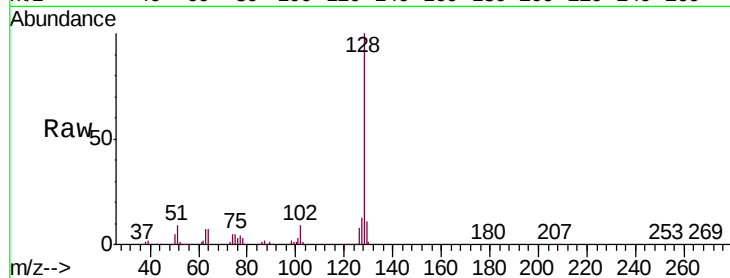
Tgt Ion:128 Resp: 607068

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

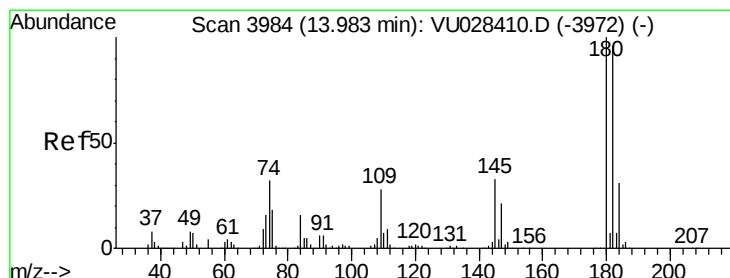
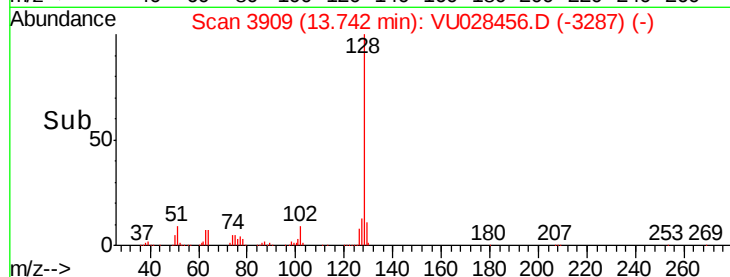
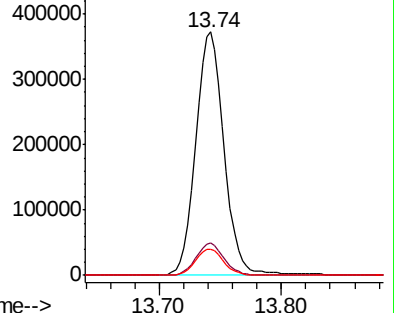
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 43.280 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028456.D

Acq: 04 Dec 2018 10:15

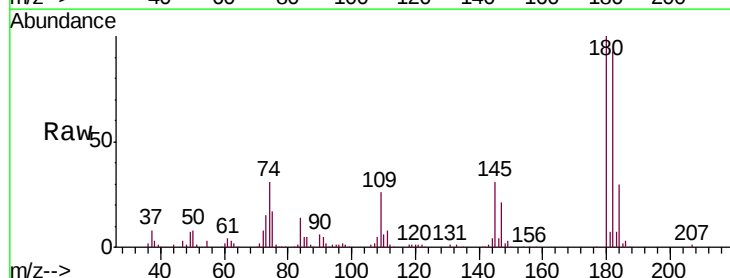
Tgt Ion:180 Resp: 183309

Ion Ratio Lower Upper

180 100

182 93.7 76.6 115.0

145 31.0 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

